

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112818\
 Data File : VU028357.D
 Acq On : 28 Nov 2018 11:11
 Operator : MD/SY
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 1:23:03 PM

Quant Time: Nov 29 00:59:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 00:29:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	236659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	423296	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	403064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	202433	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	598229	151.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.50%	
35) Dibromofluoromethane	4.88	113	425126	151.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.08%	
50) Toluene-d8	7.57	98	1723502	153.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	306.20%	
62) 4-Bromofluorobenzene	10.31	95	638772	157.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	486128	153.125	ug/l	100
3) Chloromethane	1.32	50	911596	148.139	ug/l	99
4) Vinyl Chloride	1.40	62	665665	154.609	ug/l	100
5) Bromomethane	1.61	94	259997	156.134	ug/l	100
6) Chloroethane	1.67	64	377863	152.521	ug/l	97
7) Trichlorofluoromethane	1.87	101	673102	150.507	ug/l	99
8) Diethyl Ether	2.10	74	308749	148.510	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	400780	153.837	ug/l	99
10) Methyl Iodide	2.40	142	390503	158.952	ug/l	99
11) Tert butyl alcohol	2.85	59	720517	801.875	ug/l	99
12) 1,1-Dichloroethene	2.28	96	403118	159.446	ug/l	96
13) Acrolein	2.20	56	599367	750.316	ug/l	100
14) Allyl chloride	2.59	41	1048213	158.687	ug/l	91
15) Acrylonitrile	2.94	53	1868667	786.204	ug/l	100
16) Acetone	2.33	43	1663517	687.553	ug/l	100
17) Carbon Disulfide	2.47	76	1444502	148.853	ug/l	99
18) Methyl Acetate	2.62	43	1033593	153.435	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	1593733	153.759	ug/l	98
20) Methylene Chloride	2.70	84	513985	137.313	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	452804	154.430	ug/l	98
22) Diisopropyl ether	3.57	45	2003602	154.154	ug/l	97
23) Vinyl Acetate	3.52	43	8626891	798.061	ug/l	100
24) 1,1-Dichloroethane	3.44	63	1002671	156.378	ug/l	100
25) 2-Butanone	4.26	43	2677098	772.057	ug/l	99
26) 2,2-Dichloropropane	4.22	77	770441	151.298	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	525144	151.441	ug/l	99
28) Bromochloromethane	4.55	49	461947	144.086	ug/l	99
29) Tetrahydrofuran	4.64	42	1806255	802.308	ug/l	100
30) Chloroform	4.67	83	890263	150.426	ug/l	98
31) Cyclohexane	4.99	56	989098	129.961	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	737388	155.273	ug/l	99
36) 1,1-Dichloropropene	5.13	75	696458	150.356	ug/l	99
37) Ethyl Acetate	4.38	43	1039465	164.669	ug/l	99
38) Carbon Tetrachloride	5.13	117	584087	153.556	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	861509	157.749	ug/l	98
40) Benzene	5.39	78	2119125	154.465	ug/l	99
41) Methacrylonitrile	4.54	41	563534	160.753	ug/l	98
42) 1,2-Dichloroethane	5.40	62	753300	152.420	ug/l	99
43) Isopropyl Acetate	5.55	43	1592679	159.220	ug/l	99
44) Trichloroethene	6.18	130	462642	157.323	ug/l	100
45) 1,2-Dichloropropane	6.43	63	633151	157.597	ug/l	99
46) Dibromomethane	6.56	93	358875	155.514	ug/l	98
47) Bromodichloromethane	6.76	83	708953	154.454	ug/l	99
48) Methyl methacrylate	6.62	41	824417	158.218	ug/l	99
49) 1,4-Dioxane	6.63	88	303391	3644.751	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	5124315	802.078	ug/l	98
52) Toluene	7.64	92	1268801	160.605	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	877203	159.822	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	930553	158.256	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	507817	154.450	ug/l	98
56) Ethyl methacrylate	8.02	69	934836	167.130	ug/l	99
57) 1,3-Dichloropropane	8.24	76	951721	157.843	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	2561159	852.850	ug/l	100
59) 2-Hexanone	8.37	43	4047933	817.967	ug/l	99
60) Dibromochloromethane	8.48	129	507502	162.295	ug/l	99
61) 1,2-Dibromoethane	8.58	107	540478	160.500	ug/l	97
64) Tetrachloroethene	8.22	164	395927	149.331	ug/l	98
65) Chlorobenzene	9.12	112	1292562	154.441	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	447609	156.027	ug/l	99
67) Ethyl Benzene	9.25	91	2487416	157.801	ug/l	99
68) m/p-Xylenes	9.38	106	1805478	318.223	ug/l	99
69) o-Xylene	9.78	106	875521	155.230	ug/l	99
70) Styrene	9.79	104	1473308	161.968	ug/l	99
71) Bromoform	9.96	173	391764	162.470	ug/l #	100
73) Isopropylbenzene	10.17	105	2337914	148.493	ug/l	100
74) N-amyl acetate	10.01	43	1529707	155.074	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	964738	149.007	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	818568m	147.690	ug/l	
77) Bromobenzene	10.45	156	542846	146.327	ug/l	98
78) n-propylbenzene	10.59	91	2935713	151.150	ug/l	100
79) 2-Chlorotoluene	10.66	91	1678874	146.631	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	1972243	148.650	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	351533m	130.383	ug/l	
82) 4-Chlorotoluene	10.77	91	1996892	151.374	ug/l	99
83) tert-Butylbenzene	11.10	119	1900827	153.689	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	2043318	152.050	ug/l	99
85) sec-Butylbenzene	11.32	105	2443767	152.125	ug/l	99
86) p-Isopropyltoluene	11.48	119	2053871	155.492	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	1019866	150.727	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	1028078	150.973	ug/l	98
89) n-Butylbenzene	11.89	91	2154877	165.299	ug/l	100
90) Hexachloroethane	12.14	117	336293	163.076	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	1043654	154.596	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	236855	164.467	ug/l	99

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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Nov 29 00:29:32 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	771022	174.485	ug/l	100
94) Hexachlorobutadiene	13.69	225	334719	160.416	ug/l	97
95) Naphthalene	13.74	128	2733696	181.912	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	778968	174.299	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

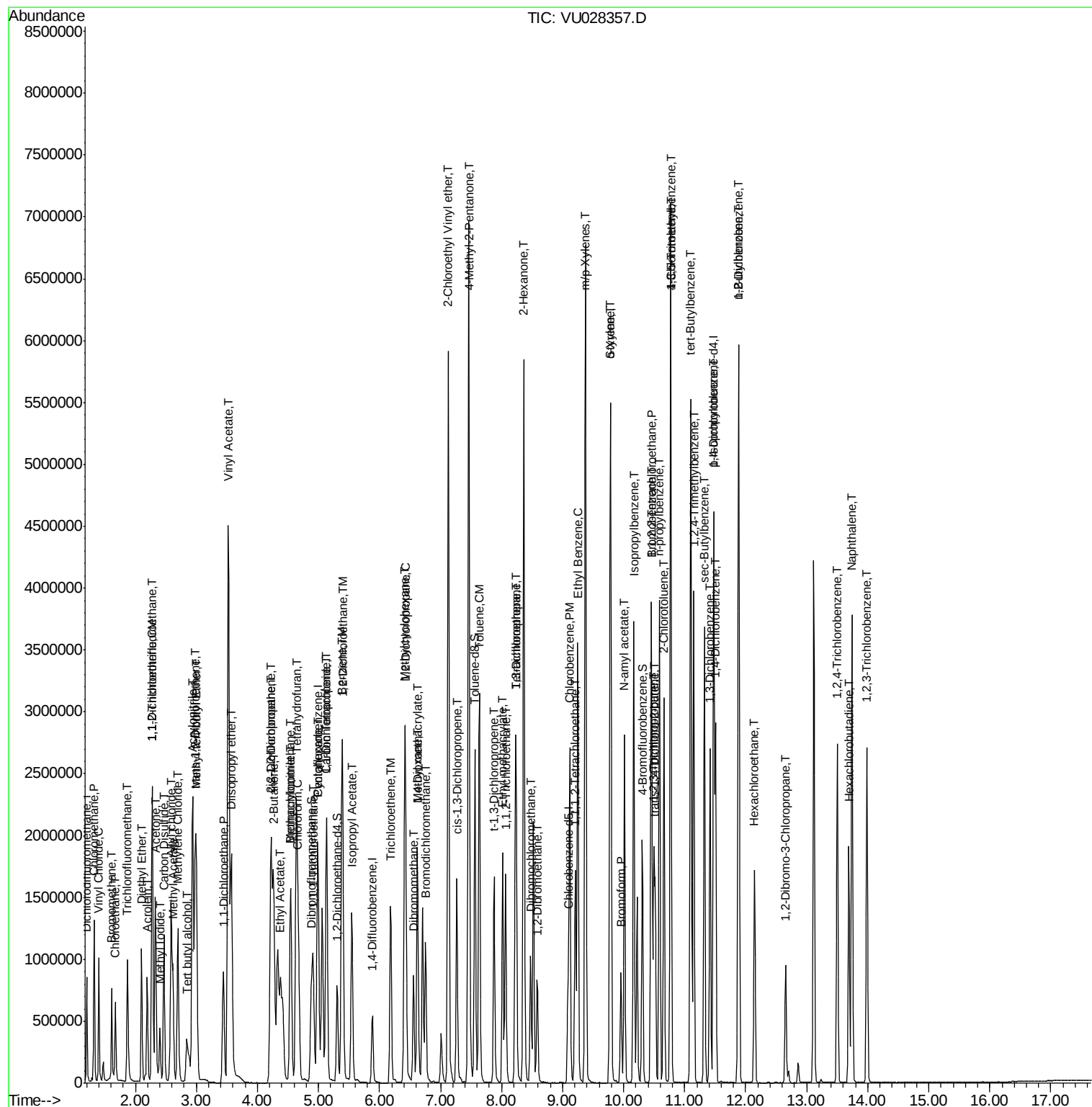
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Data File : VU028357.D
Acq On : 28 Nov 2018 11:11
Operator : MD/SY
Sample : VSTDICC150
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

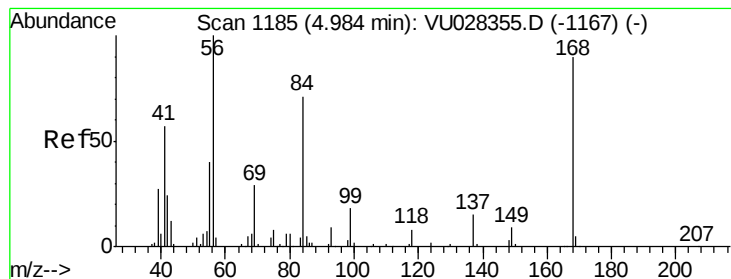
Instrument :
MSVOA_U
ClientSampled :
VSTDICC150

Manual Integrations
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11/29/2018 1:23:03 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 29 00:29:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 236659

Ion Ratio Lower Upper

168 100

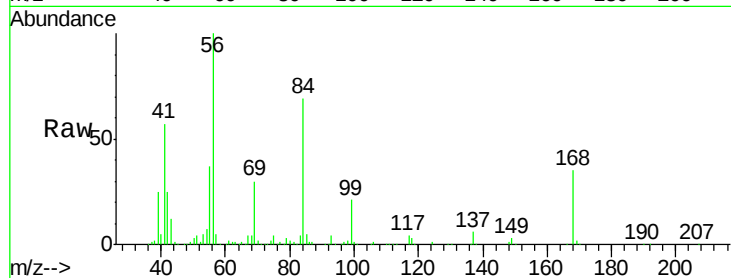
99 59.6 49.6 74.4

Manual Integrations

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11/29/2018 1:23:03 PM



Abundance Ion 167.90 (167.60 to 168.60): VU028357.D (-1092) (-)

Ion 98.90 (98.60 to 99.60): VU028357.D (-1092) (-)

200000

150000

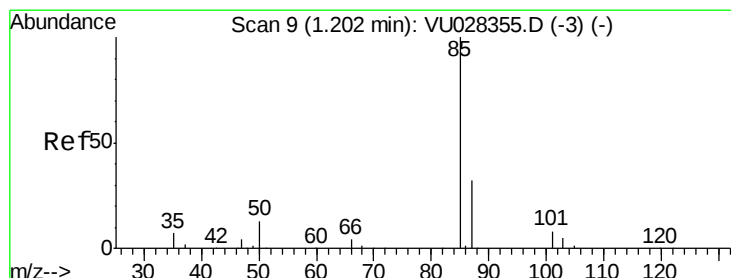
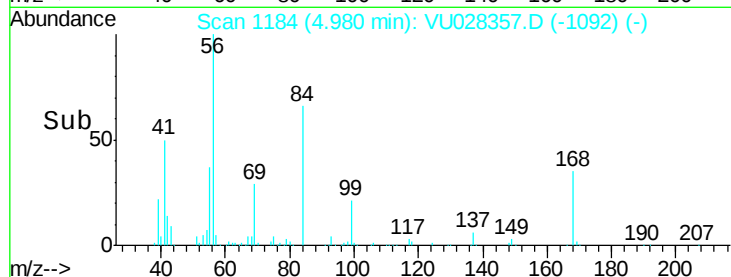
100000

50000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 153.125 ug/l

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU028357.D

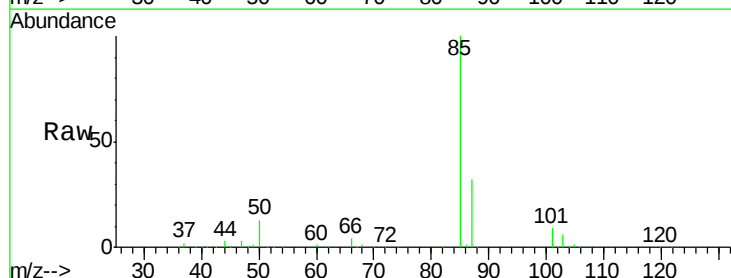
Acq: 28 Nov 2018 11:11

Tgt Ion: 85 Resp: 486128

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028357.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU028357.D (-1) (-)

500000

400000

300000

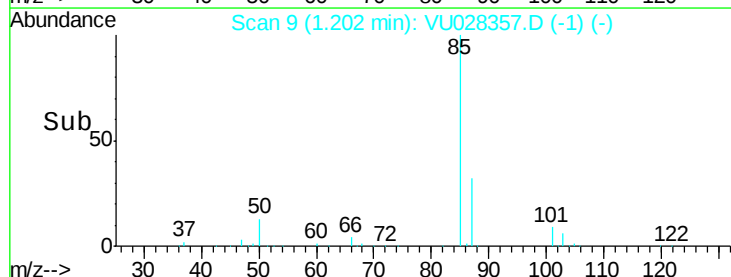
200000

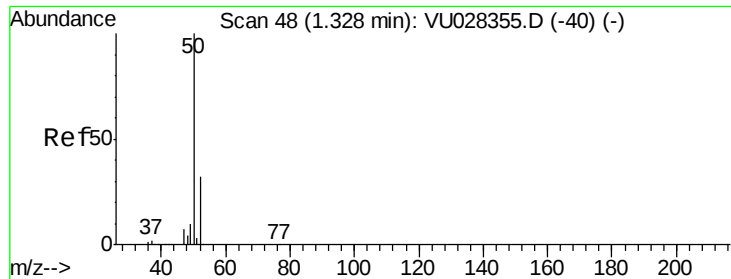
100000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 148.139 ug/l

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 911596

Ion Ratio Lower Upper

50 100

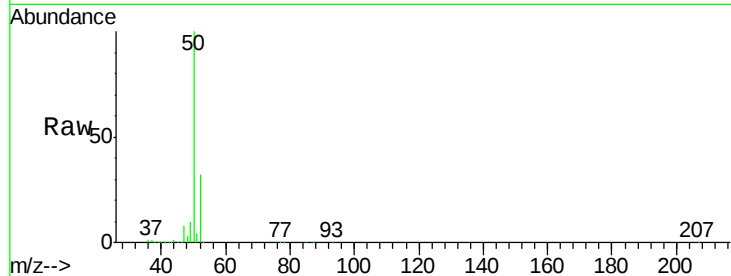
52 32.4 25.4 38.2

Manual Integrations

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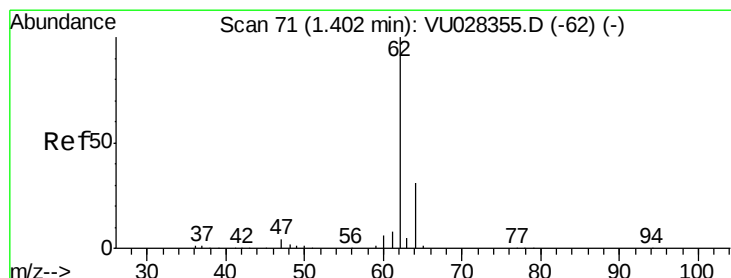
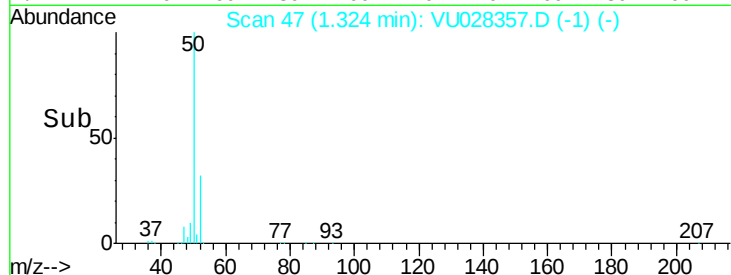
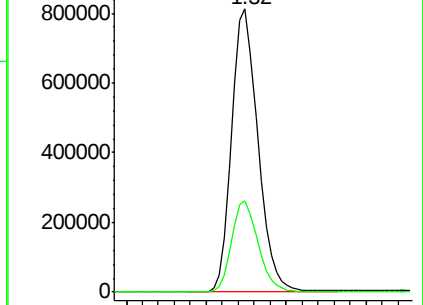
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 154.609 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028357.D

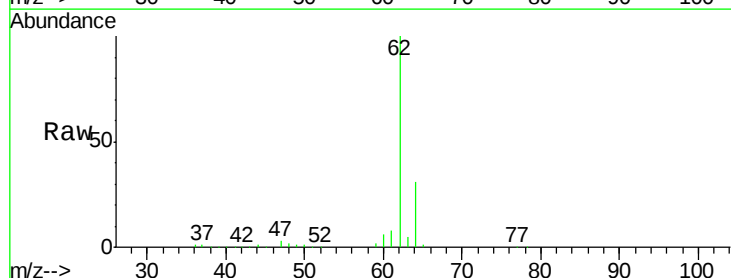
Acq: 28 Nov 2018 11:11

Tgt Ion: 62 Resp: 665665

Ion Ratio Lower Upper

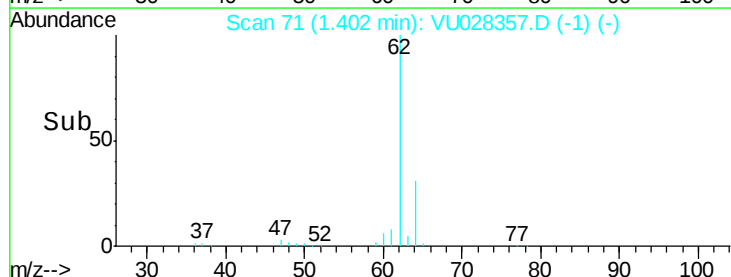
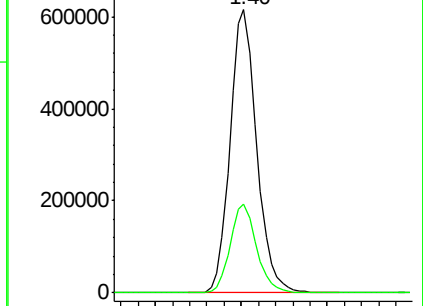
62 100

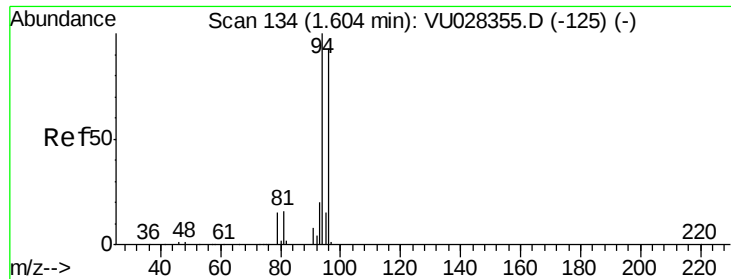
64 31.2 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 156.134 ug/l

RT: 1.61 min Scan# 137

Delta R.T. 0.01 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 259997

Ion Ratio Lower Upper

94 100

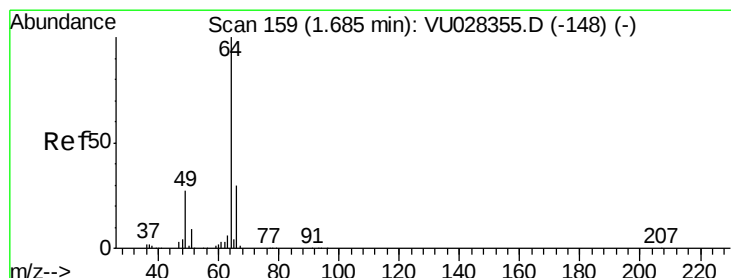
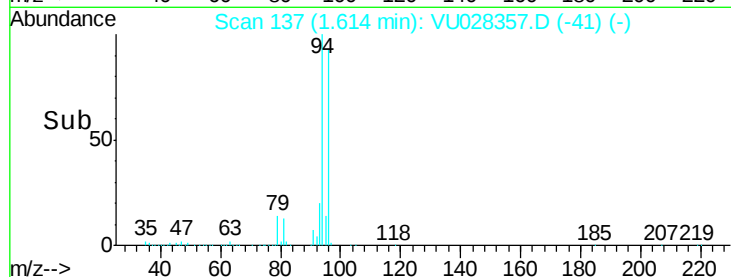
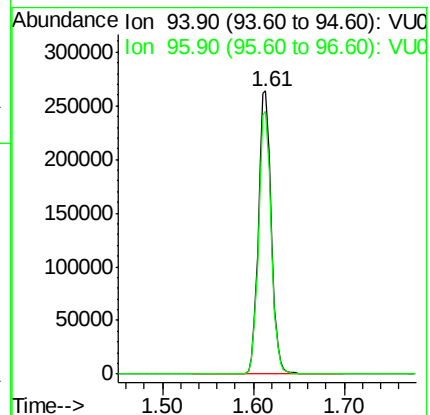
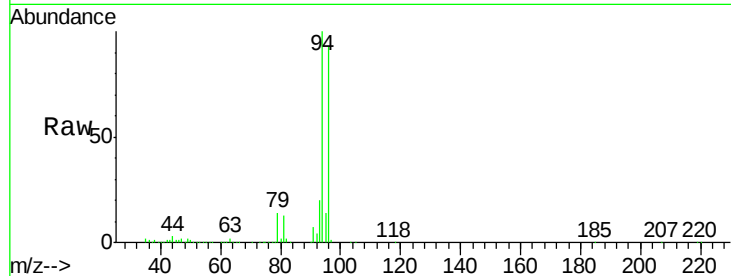
96 93.0 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 152.521 ug/l

RT: 1.67 min Scan# 155

Delta R.T. -0.01 min

Lab File: VU028357.D

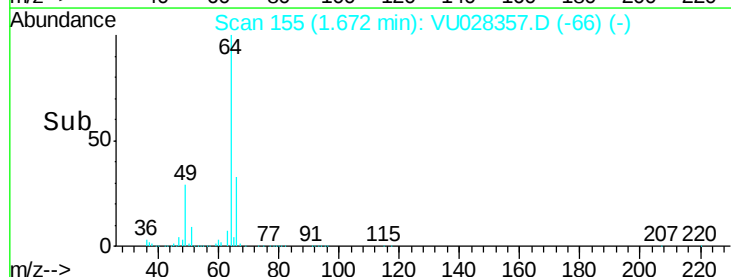
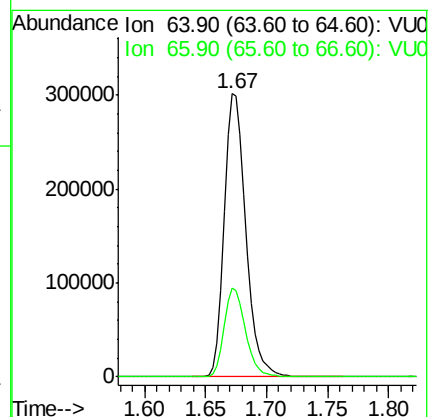
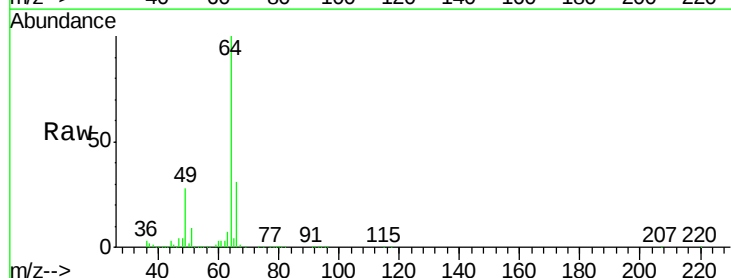
Acq: 28 Nov 2018 11:11

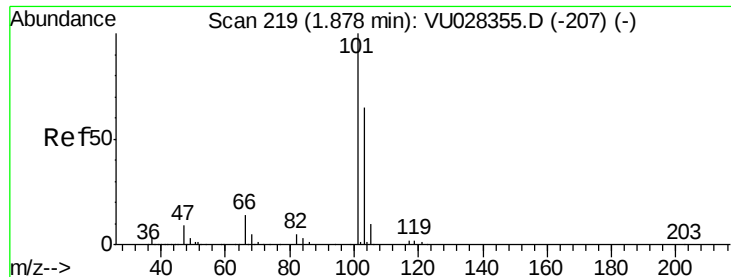
Tgt Ion: 64 Resp: 377863

Ion Ratio Lower Upper

64 100

66 31.4 23.6 35.4





#7

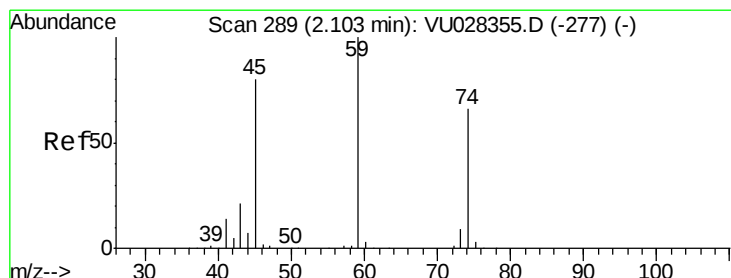
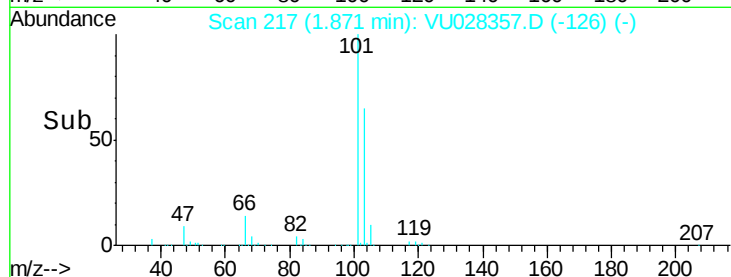
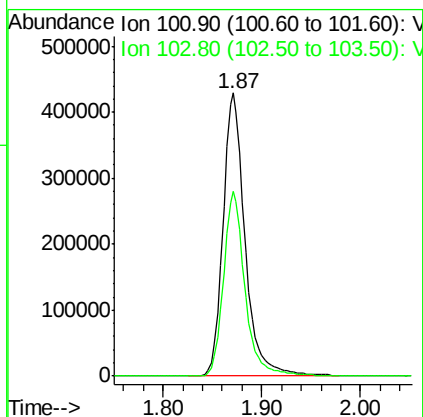
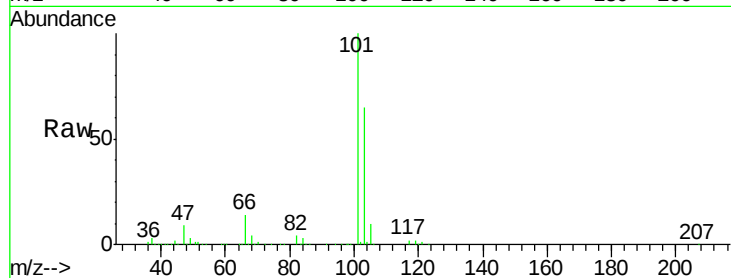
Trichlorofluoromethane
 Concen: 150.507 ug/l
 RT: 1.87 min Scan# 217
 Delta R.T. -0.01 min
 Lab File: VU028357.D
 Acq: 28 Nov 2018 11:11

Instrument :
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 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.6	77.4

Manual Integrations
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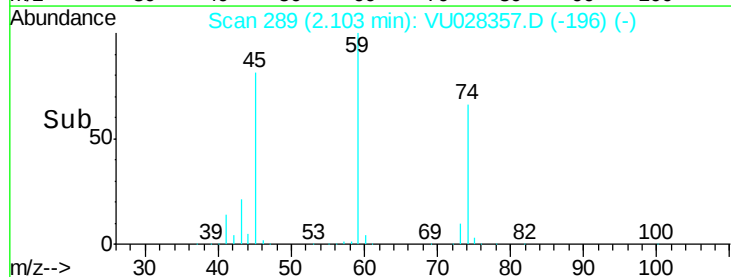
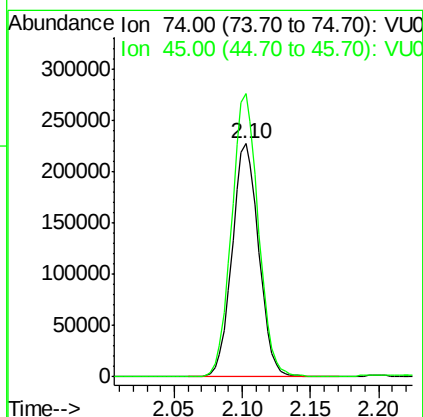
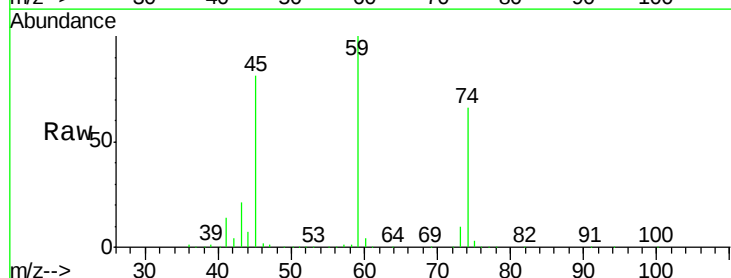
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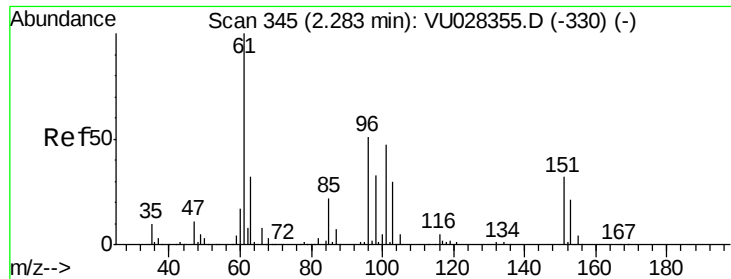


#8

Diethyl Ether
 Concen: 148.510 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028357.D
 Acq: 28 Nov 2018 11:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.8	63.0	189.1





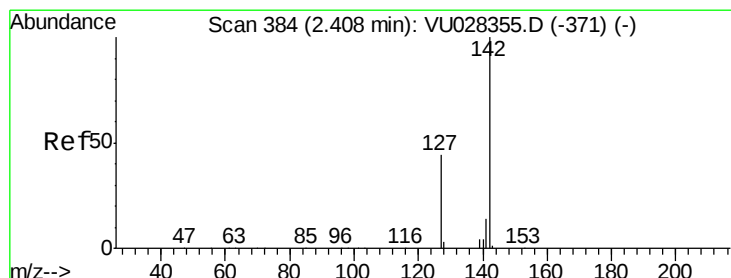
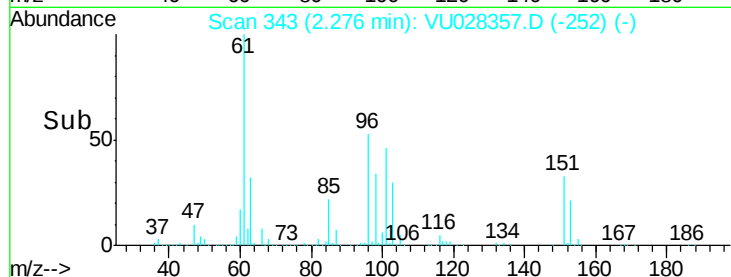
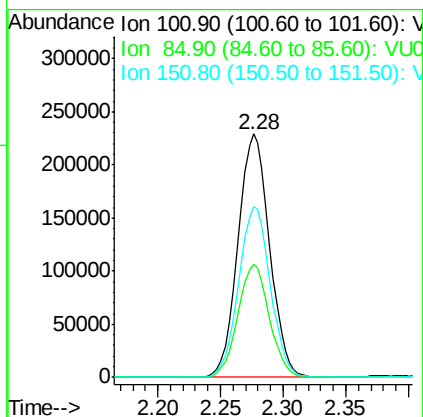
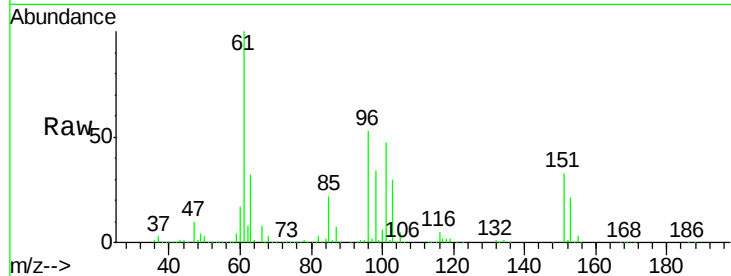
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 153.837 ug/l
 RT: 2.28 min Scan# 343
 Delta R.T. -0.01 min
 Lab File: VU028357.D
 Acq: 28 Nov 2018 11:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	400780		
85	46.4	37.2	55.8	
151	70.4	55.4	83.0	

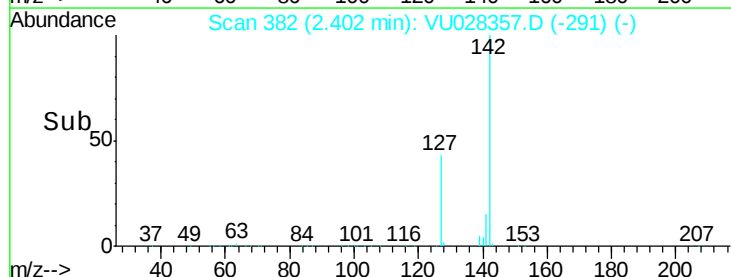
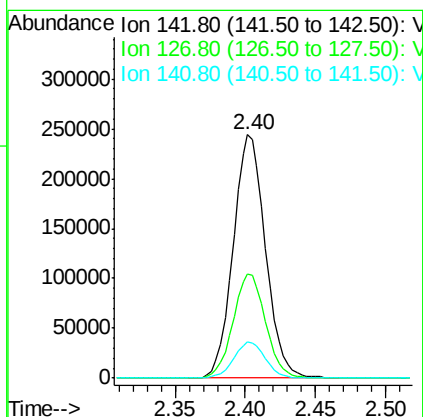
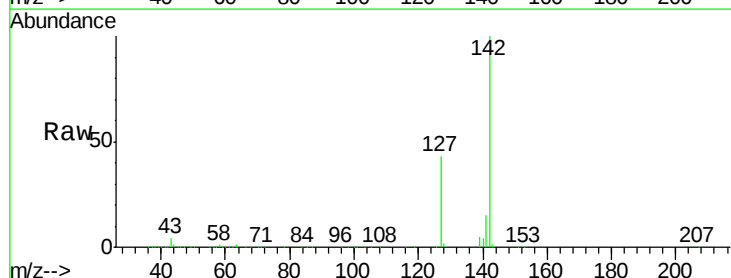
Manual Integrations
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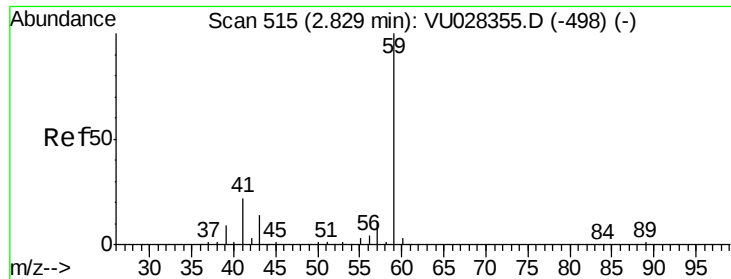
MMDadoda
 11/29/2018 1:23:03 PM



#10
 Methyl Iodide
 Concen: 158.952 ug/l
 RT: 2.40 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VU028357.D
 Acq: 28 Nov 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	390503		
127	43.1	35.0	52.6	
141	14.6	11.2	16.8	





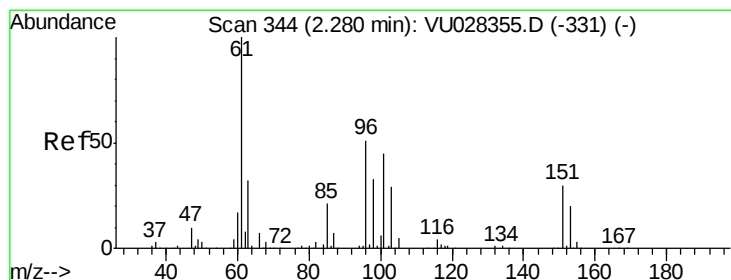
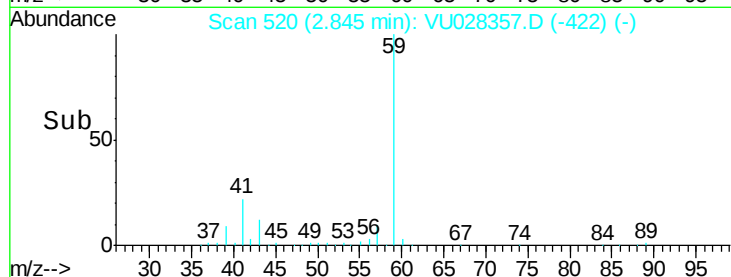
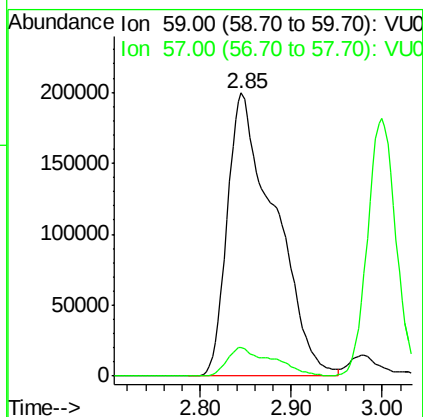
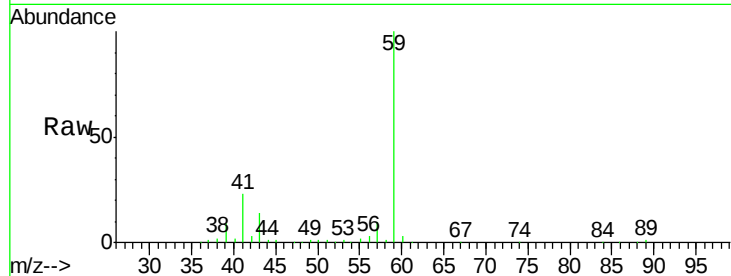
#11
Tert butyl alcohol
Concen: 801.875 ug/l
RT: 2.85 min Scan# 520
Delta R.T. 0.02 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.3	12.5

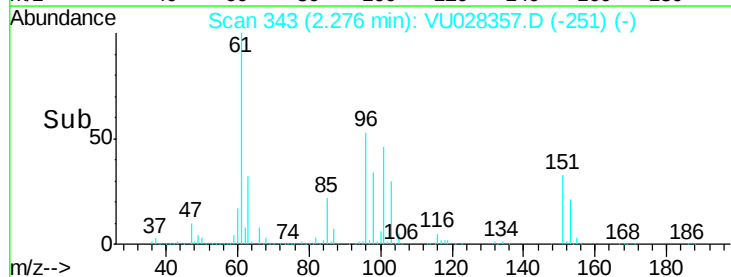
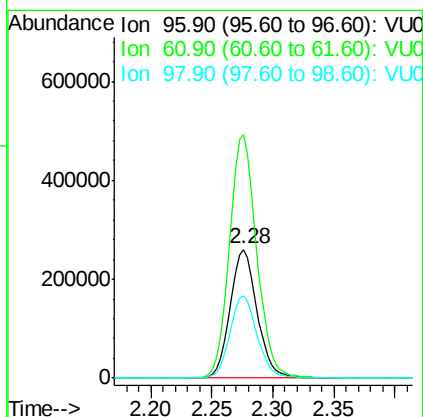
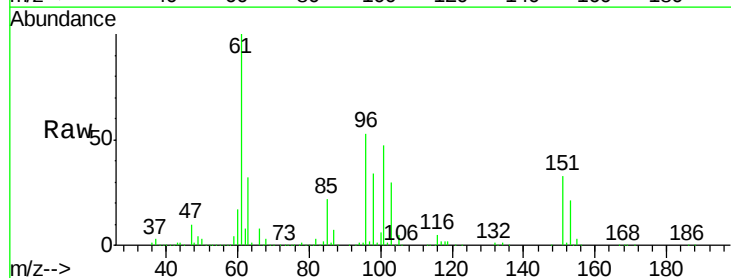
Manual Integrations
APPROVED

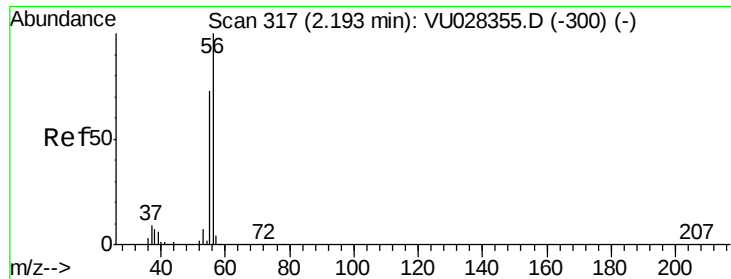
MMDadoda
11/29/2018 1:23:03 PM



#12
1,1-Dichloroethene
Concen: 159.446 ug/l
RT: 2.28 min Scan# 343
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.3	158.1	237.1
98	64.3	51.4	77.2





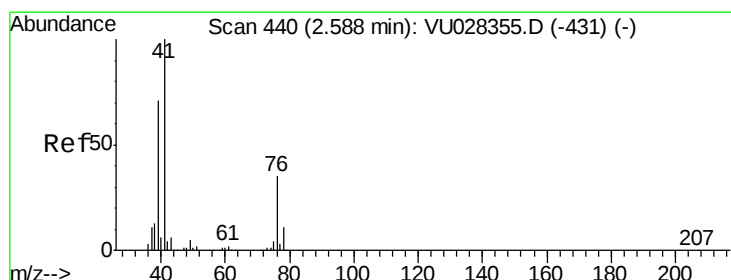
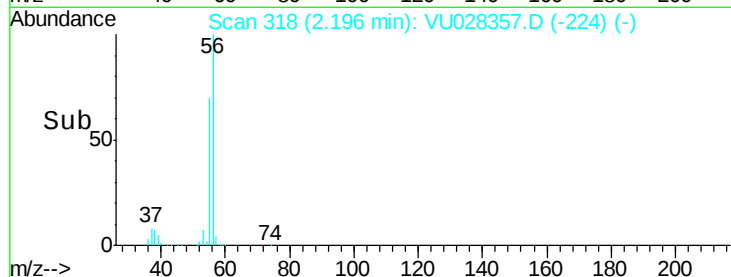
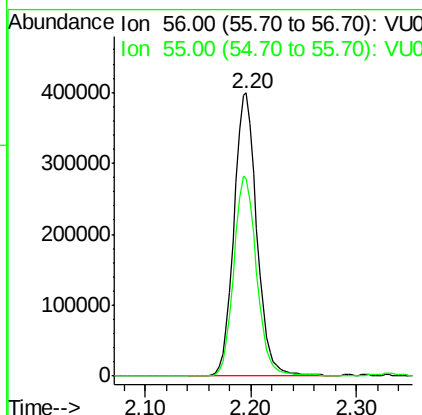
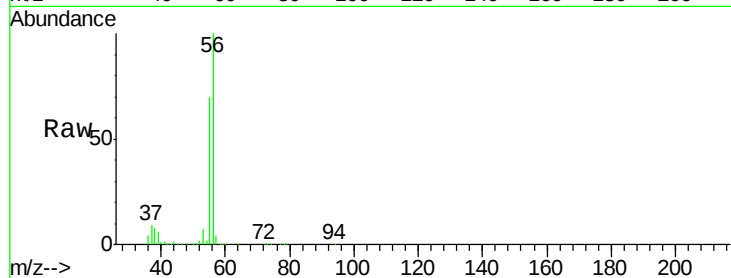
#13
Acrolein
Concen: 750.316 ug/l
RT: 2.20 min Scan# 318
Delta R.T. 0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	56	Resp	599367
Ion Ratio	100	Lower	Upper
55	70.6	56.6	85.0

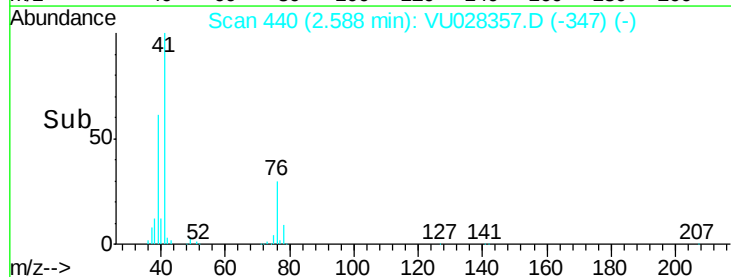
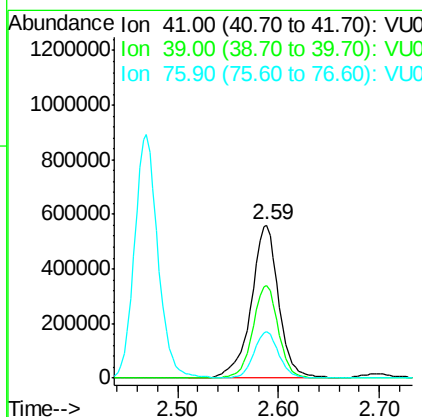
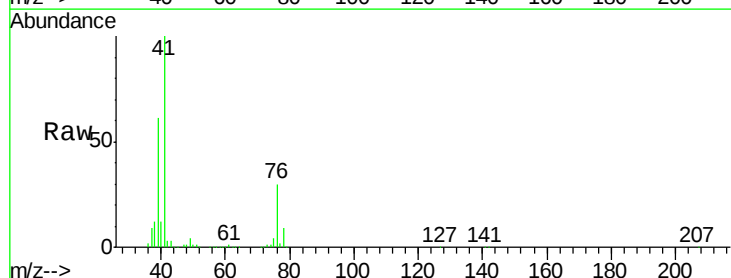
Manual Integrations
APPROVED

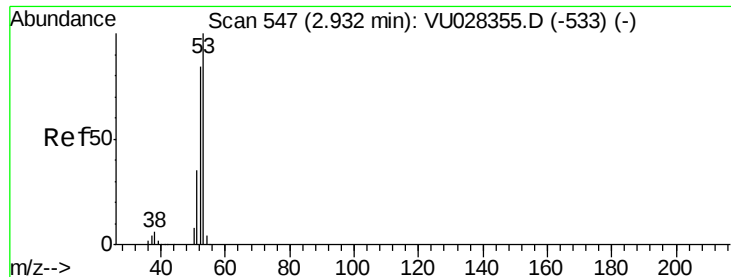
MMDadoda
11/29/2018 1:23:03 PM



#14
Allyl chloride
Concen: 158.687 ug/l
RT: 2.59 min Scan# 440
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Tgt Ion	41	Resp	1048213
Ion Ratio	100	Lower	Upper
39	56.4	51.6	77.4
76	26.6	24.4	36.6





#15

Acrylonitrile

Concen: 786.204 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.01 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC150

Tot Ion: 53 Resp: 1868667

Ion Ratio Lower Upper

53 100

52 82.4 65.7 98.5

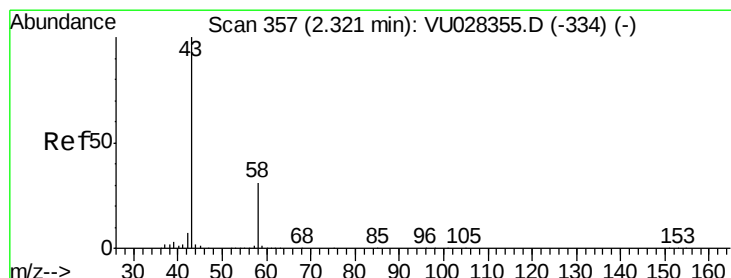
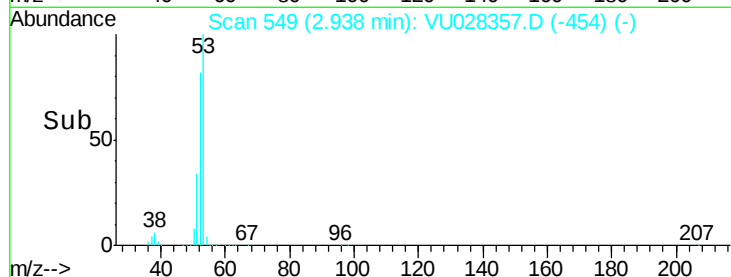
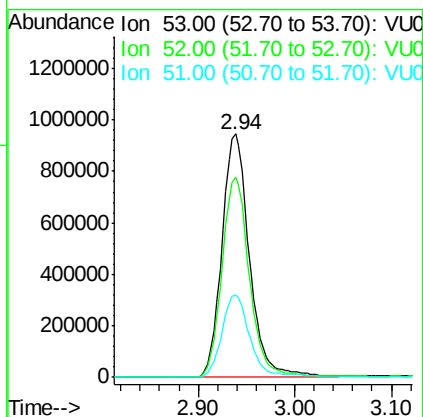
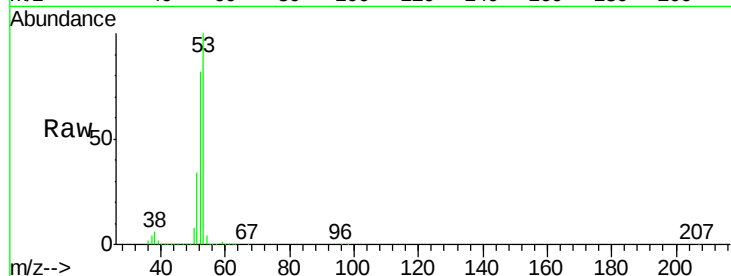
51 34.4 27.8 41.6

Manual Integrations

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MMDadoda

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#16

Acetone

Concen: 687.553 ug/l

RT: 2.33 min Scan# 359

Delta R.T. 0.01 min

Lab File: VU028357.D

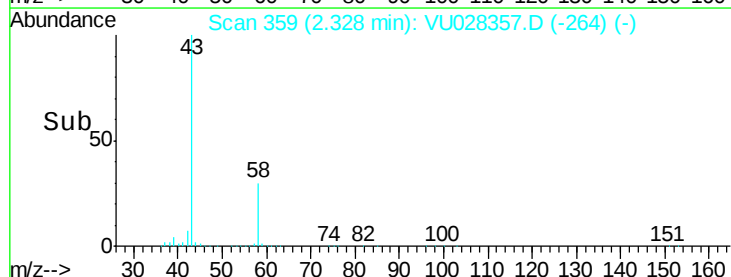
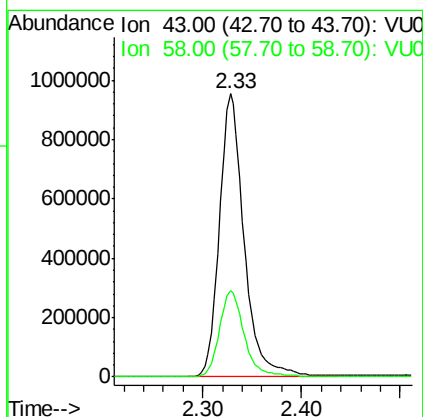
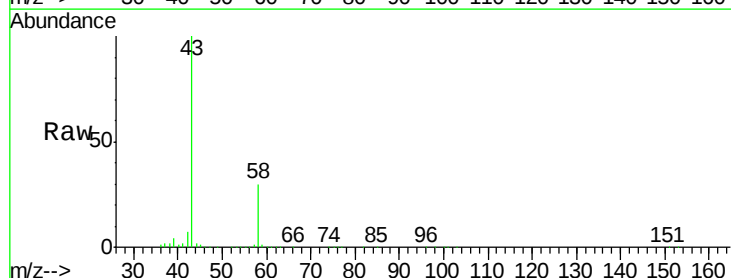
Acq: 28 Nov 2018 11:11

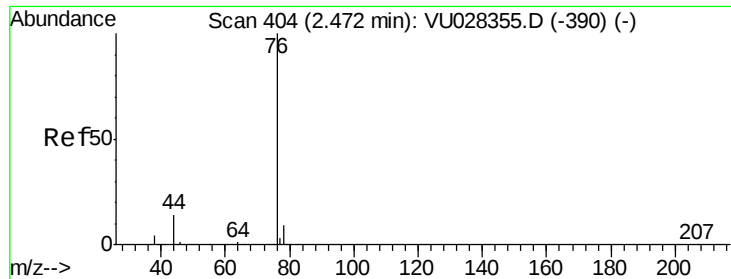
Tgt Ion: 43 Resp: 1663517

Ion Ratio Lower Upper

43 100

58 30.5 24.4 36.6





#17

Carbon Disulfide

Concen: 148.853 ug/l

RT: 2.47 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1444502

Ion Ratio Lower Upper

76 100

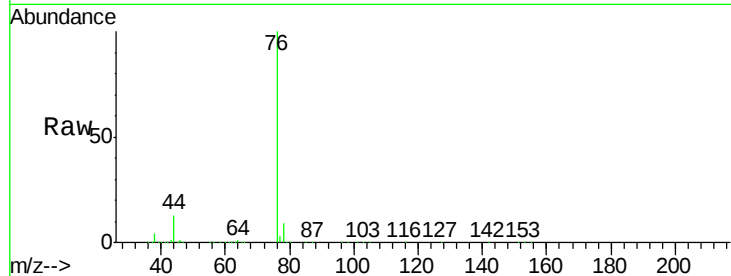
78 9.0 7.4 11.2

Manual Integrations

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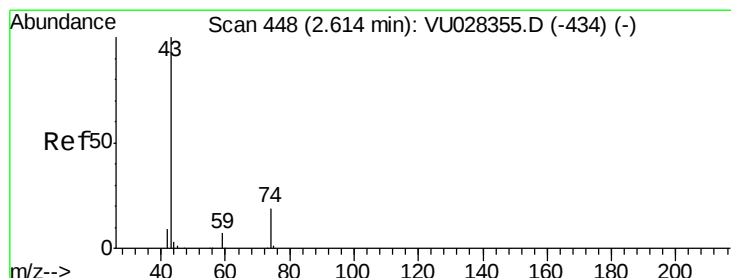
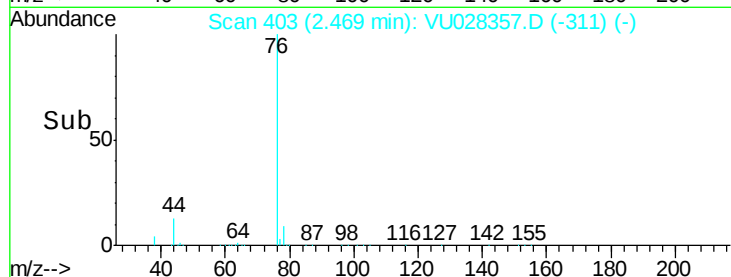
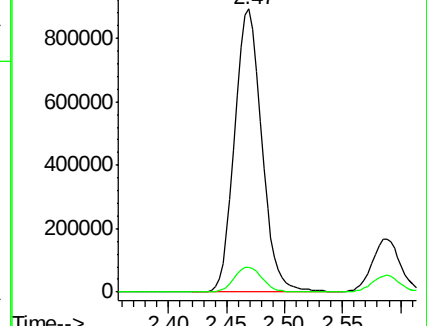
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 153.435 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU028357.D

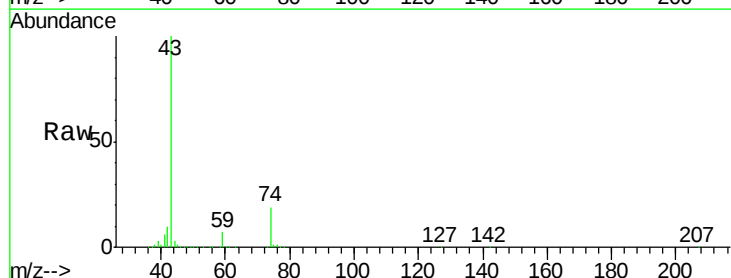
Acq: 28 Nov 2018 11:11

Tgt Ion: 43 Resp: 1033593

Ion Ratio Lower Upper

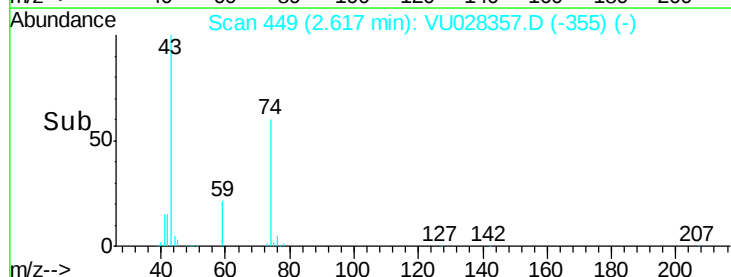
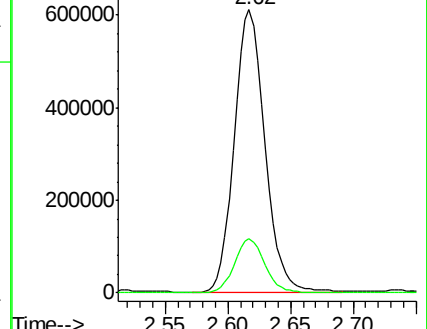
43 100

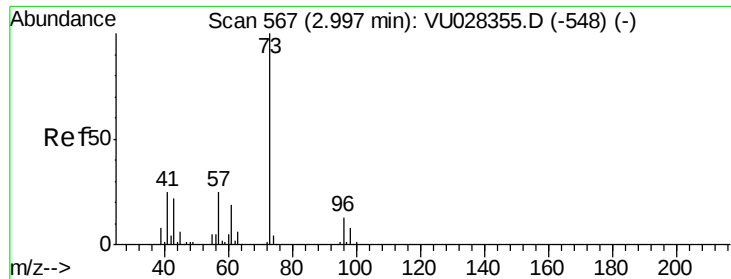
74 19.2 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





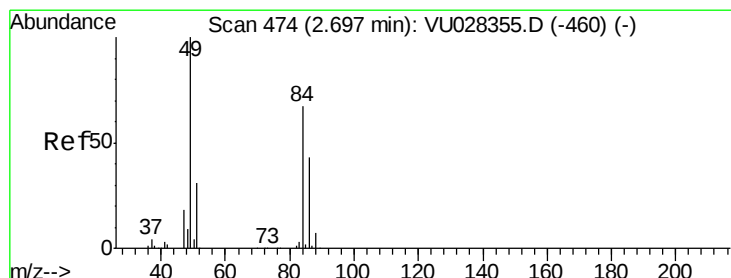
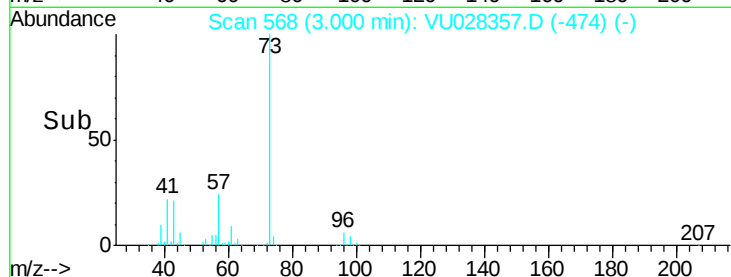
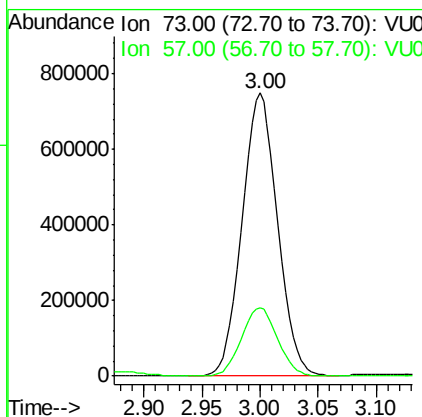
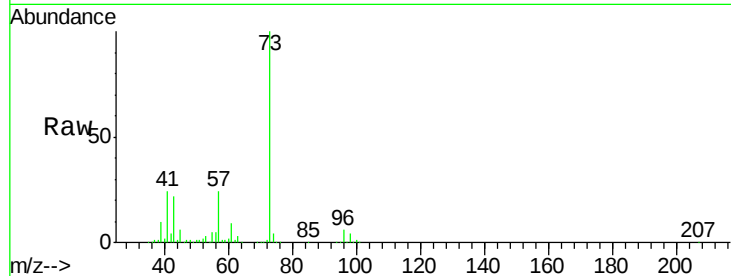
#19
Methvl tert-butvl Ether
Concen: 153.759 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1593733
Ion Ratio Lower Upper
73 100
57 24.2 20.1 30.1

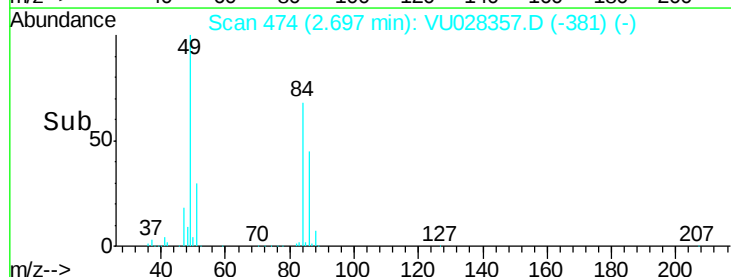
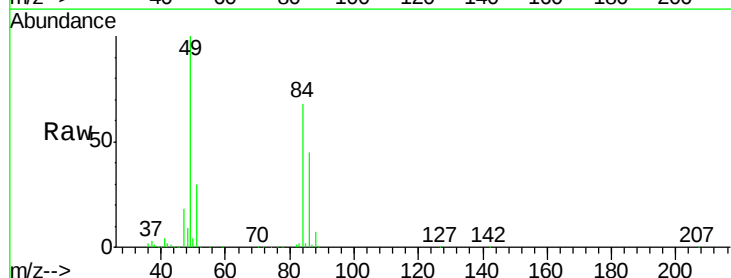
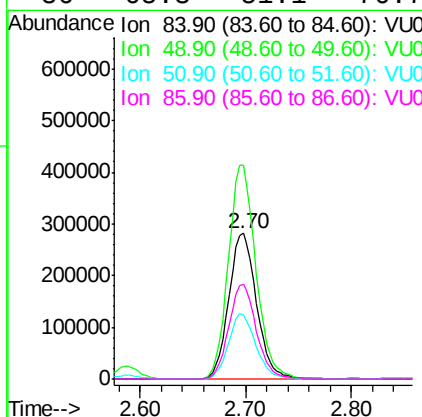
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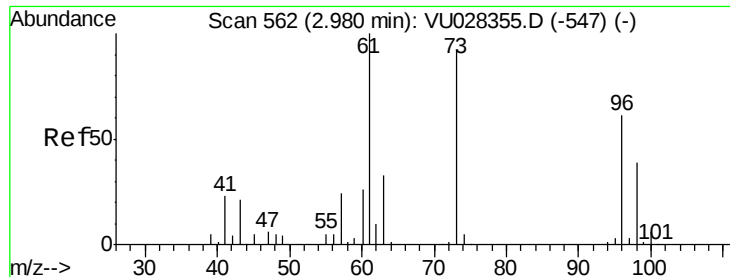
MMDadoda
11/29/2018 1:23:03 PM



#20
Methylene Chloride
Concen: 137.313 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Tgt Ion: 84 Resp: 513985
Ion Ratio Lower Upper
84 100
49 146.3 120.0 180.0
51 44.3 36.9 55.3
86 65.3 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 154.430 ug/l

RT: 2.98 min Scan# 561

Delta R.T. -0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 452804

Ion Ratio Lower Upper

96 100

61 161.8 131.1 196.7

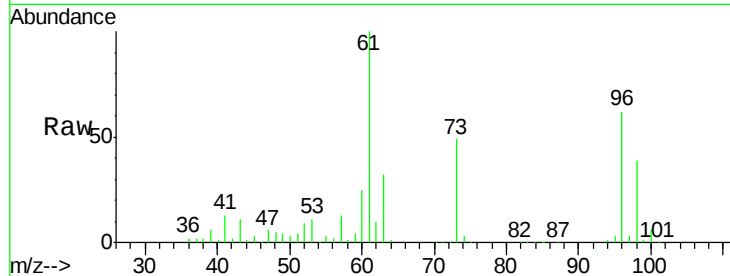
98 62.5 51.7 77.5

Manual Integrations

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MMDadoda

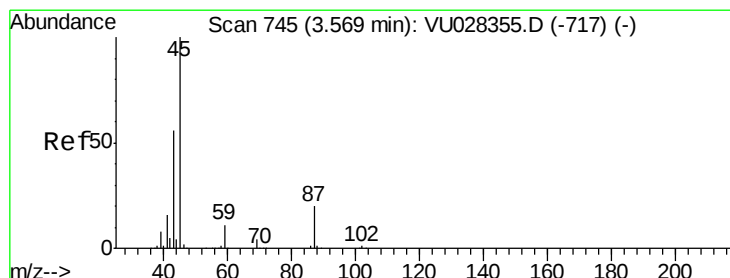
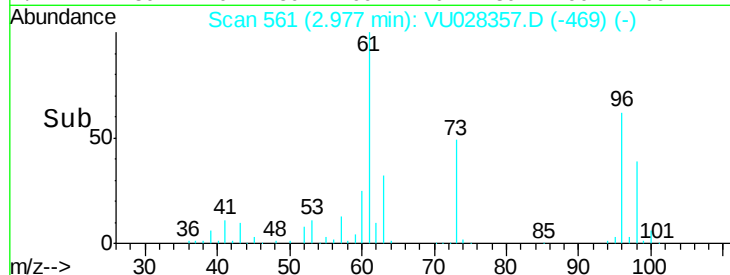
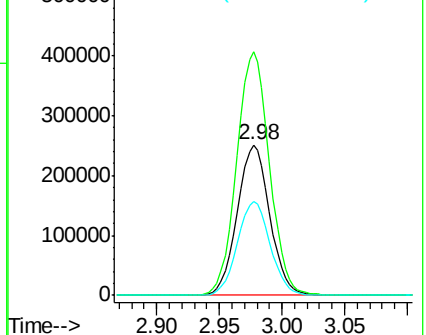
11/29/2018 1:23:03 PM



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 154.154 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Tgt Ion: 45 Resp: 2003602

Ion Ratio Lower Upper

45 100

43 53.1 44.8 67.2

87 21.3 16.3 24.5

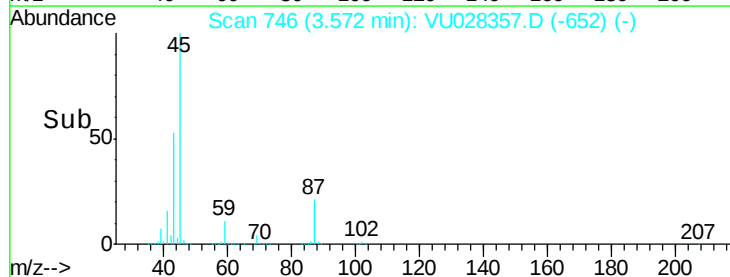
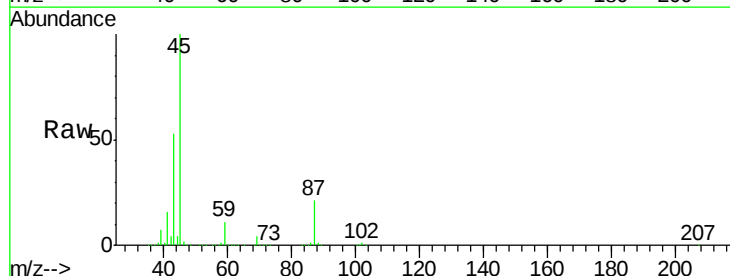
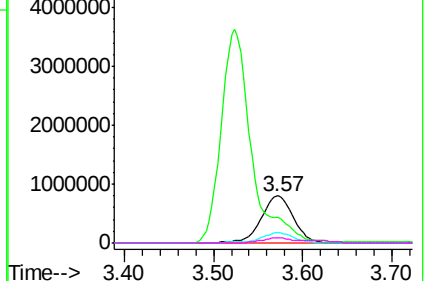
59 10.7 8.6 12.8

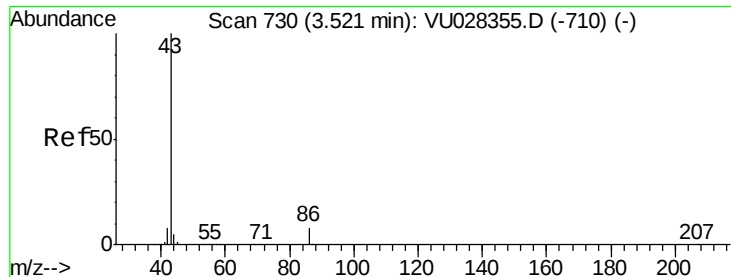
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 798.061 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 8626891

Ion Ratio Lower Upper

43 100

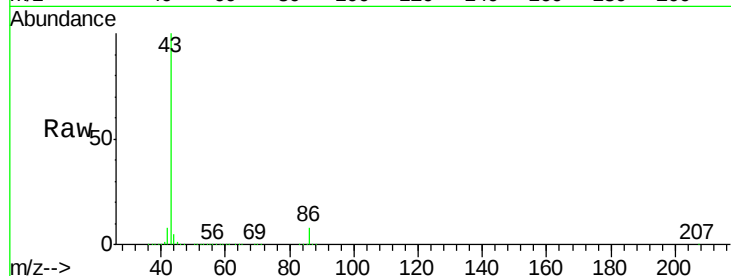
86 8.1 6.5 9.7

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.52

4000000

3000000

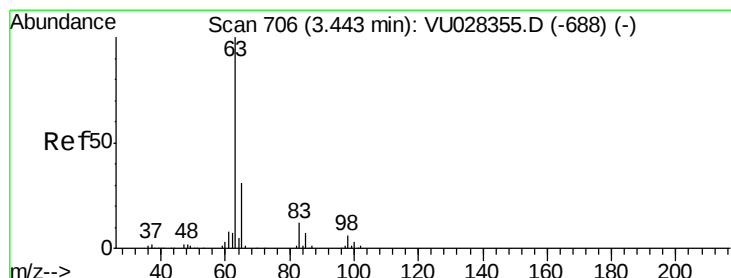
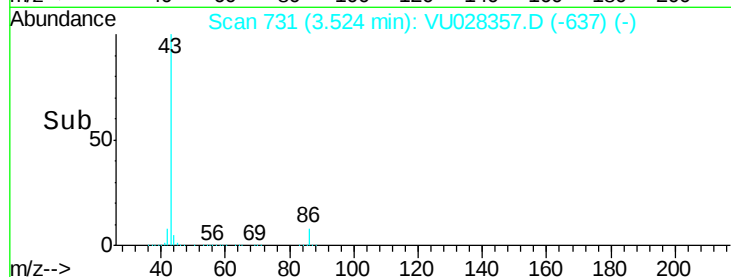
2000000

1000000

0

Time-->

3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 156.378 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

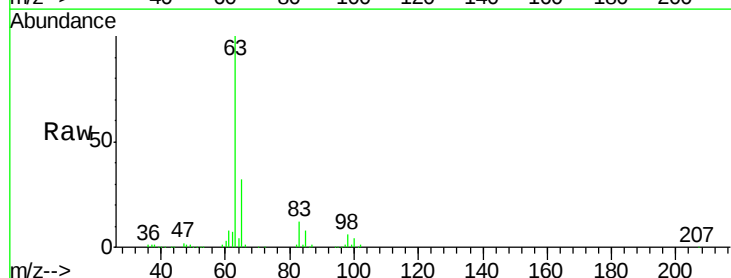
Tgt Ion: 63 Resp: 1002671

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 3.6 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

600000

500000

400000

300000

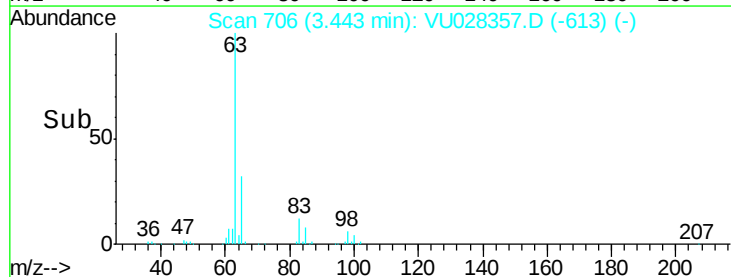
200000

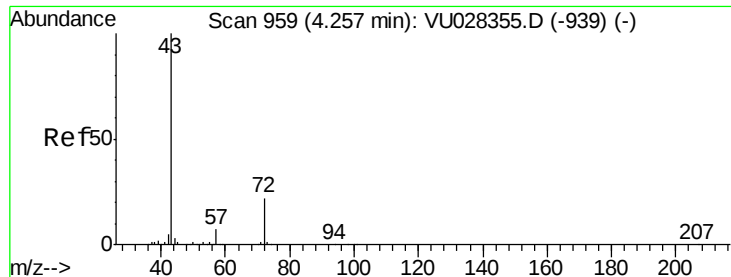
100000

0

Time-->

3.40 3.50





#25

2-Butanone

Concen: 772.057 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.01 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2677098

Ion Ratio Lower Upper

43 100

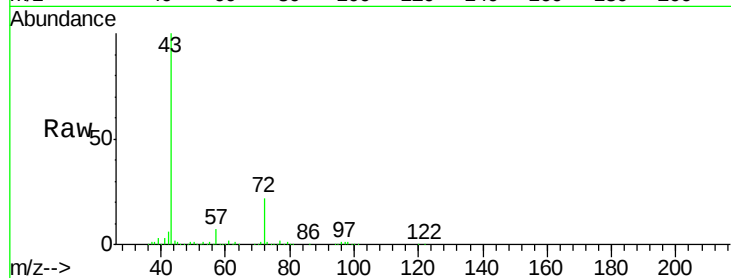
72 21.8 17.7 26.5

Manual Integrations

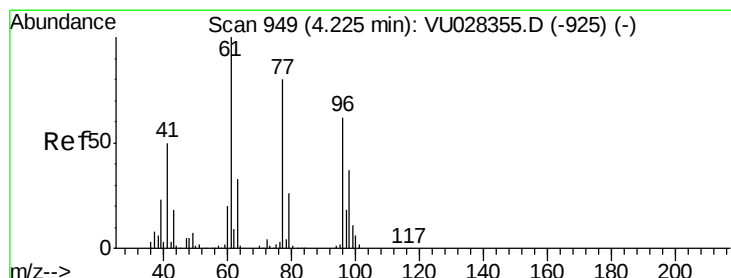
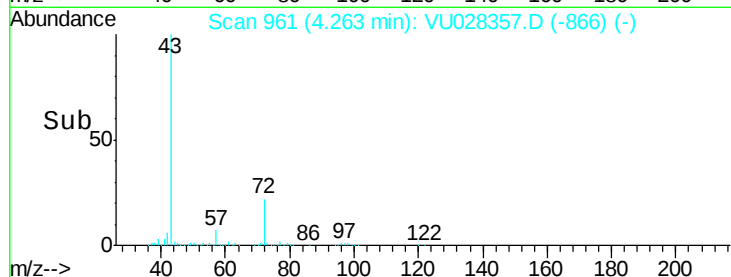
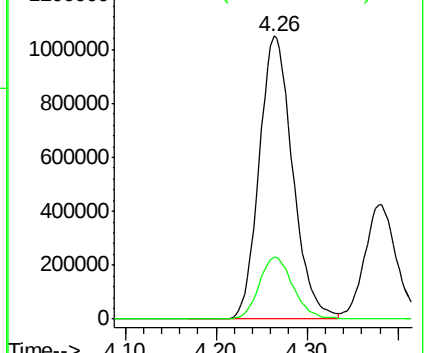
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Abundance Ion 43.00 (42.70 to 43.70): VU028357.D (-866) (-)



#26

2,2-Dichloropropane

Concen: 151.298 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028357.D

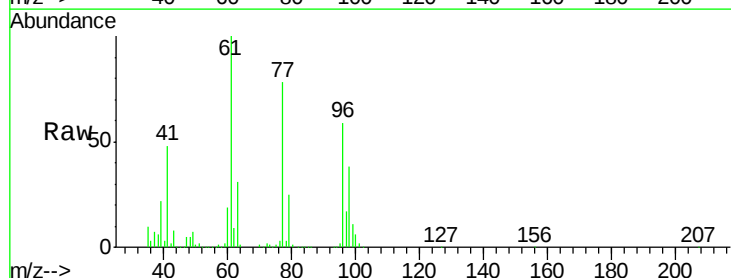
Acq: 28 Nov 2018 11:11

Tgt Ion: 77 Resp: 770441

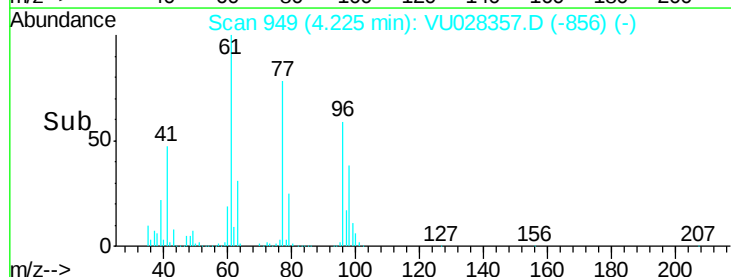
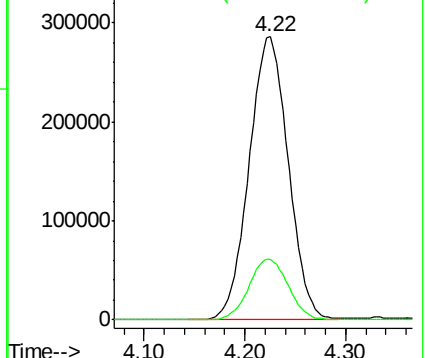
Ion Ratio Lower Upper

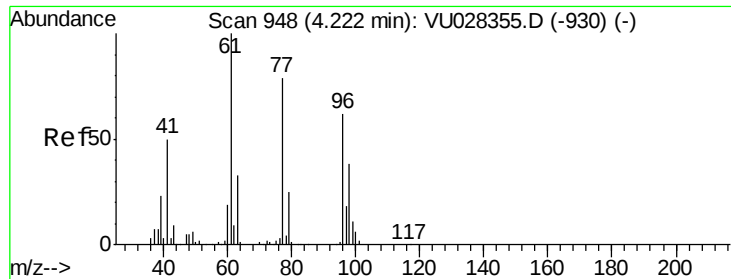
77 100

97 21.6 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VU028357.D (-856) (-)





#27

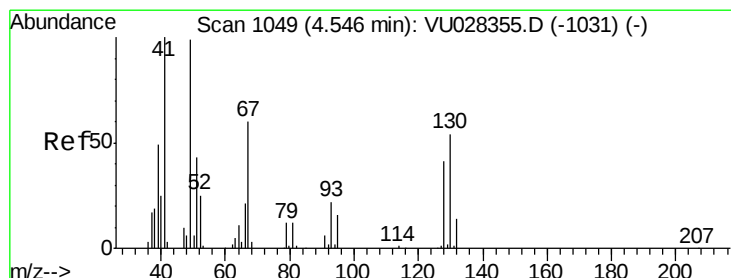
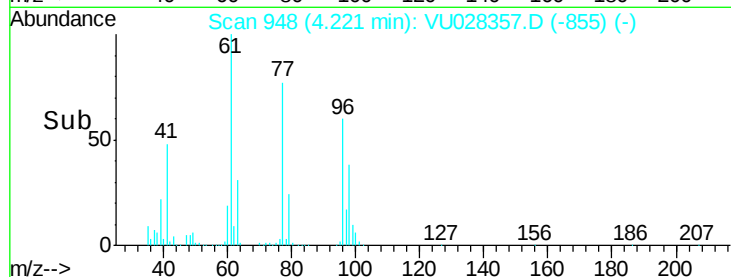
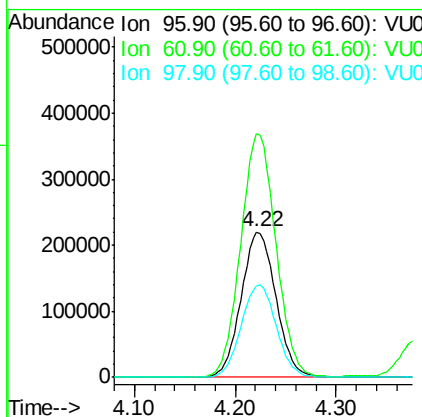
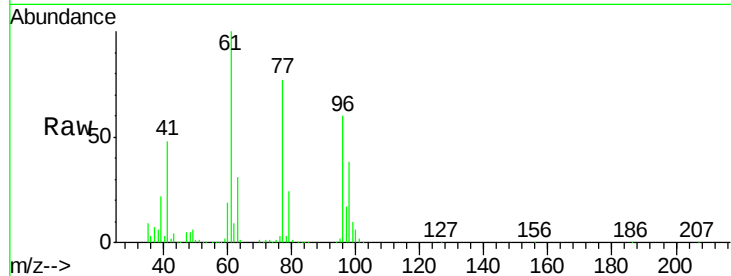
cis-1,2-Dichloroethene
Concen: 151.441 ug/l
RT: 4.22 min Scan# 948
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	169.9	0.0	342.0	
98	64.4	0.0	126.4	

Manual Integrations
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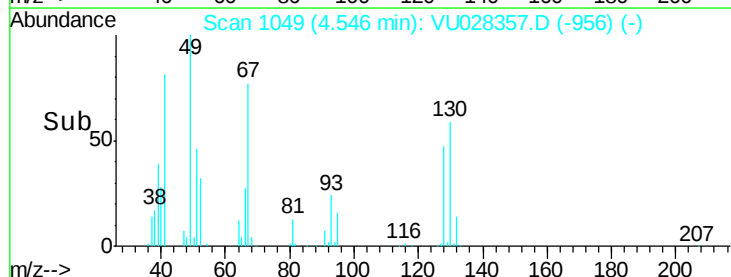
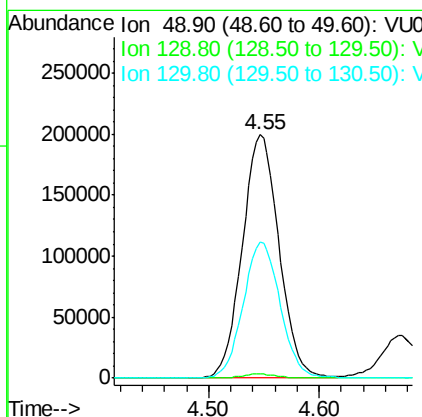
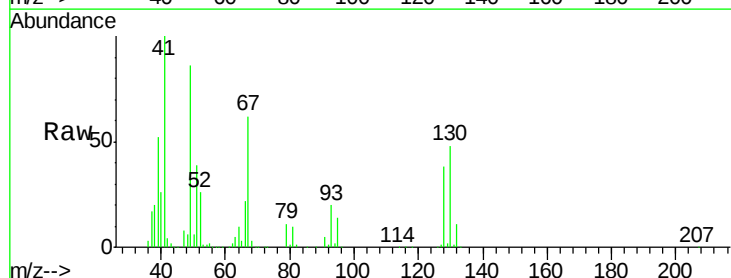
MMDadoda
11/29/2018 1:23:03 PM

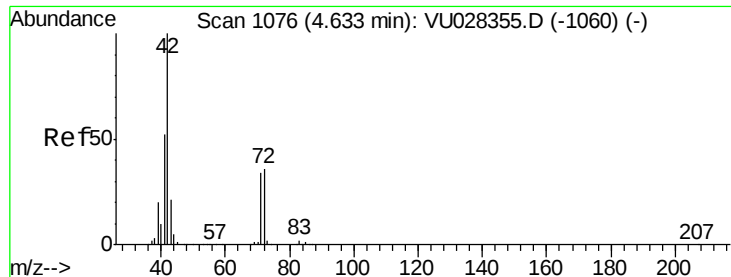


#28

Bromochloromethane
Concen: 144.086 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	2.6	
130	56.2	44.5	66.7	





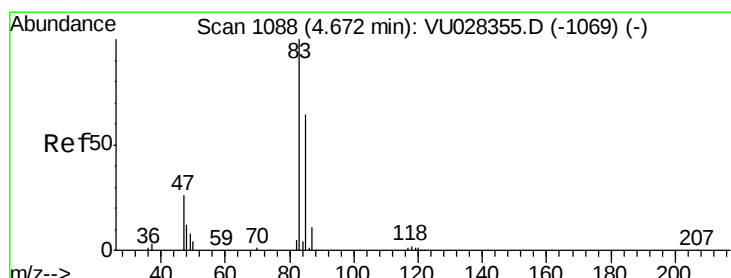
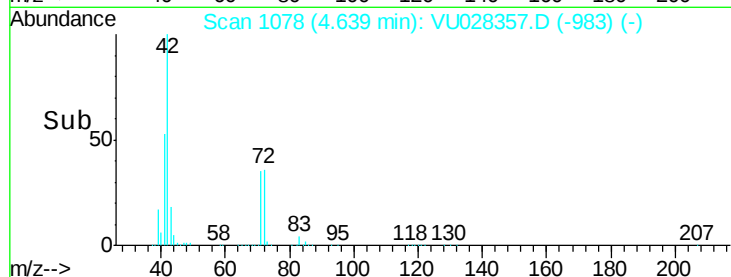
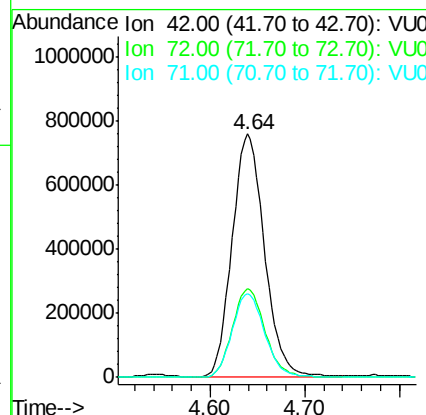
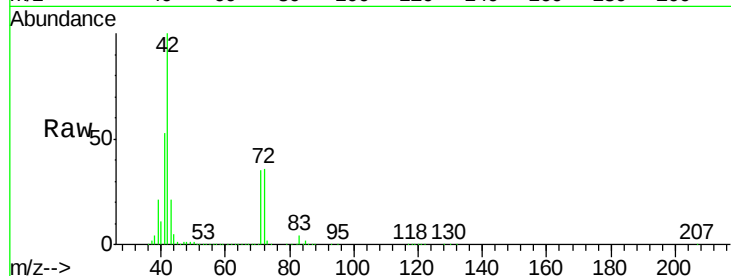
#29
Tetrahydrofuran
Concen: 802.308 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	29.5	44.3
71	34.7	27.7	41.5

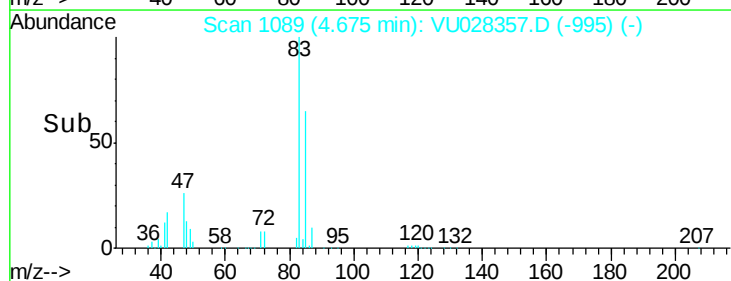
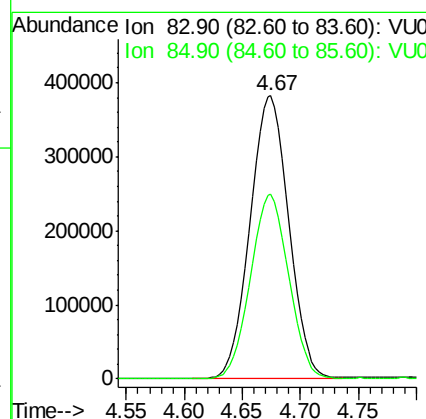
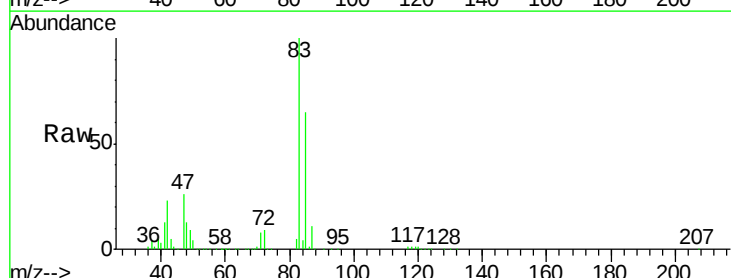
Manual Integrations
APPROVED

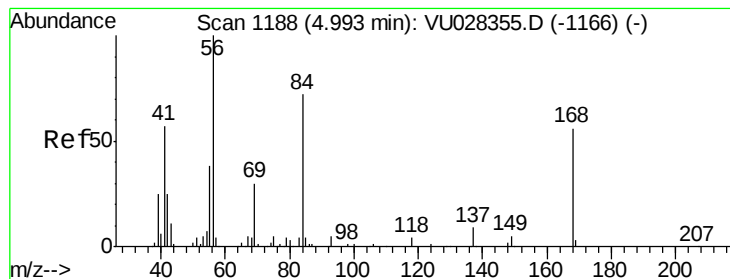
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#30
Chloroform
Concen: 150.426 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.2	76.8





#31

Cyclohexane

Concen: 129.961 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

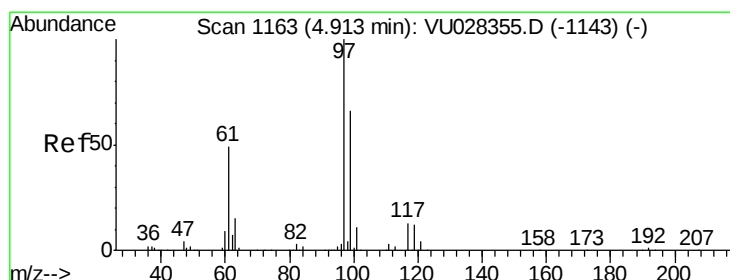
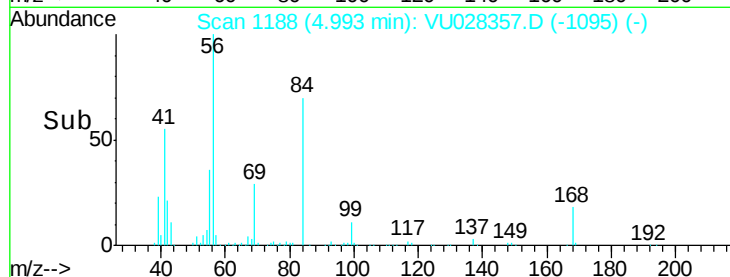
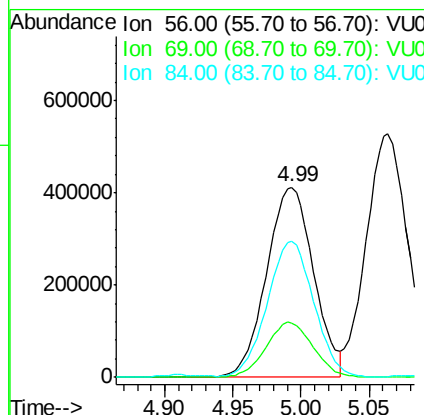
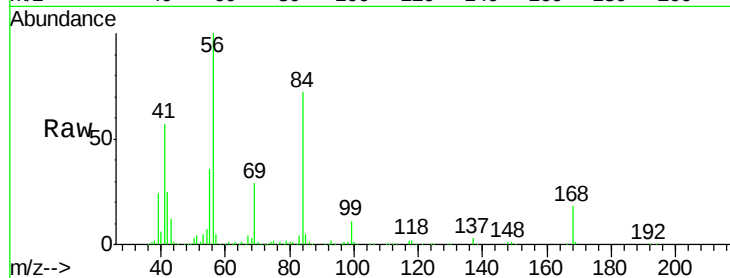
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	989098
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.7	35.5
84	70.5	57.3	85.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 155.273 ug/l

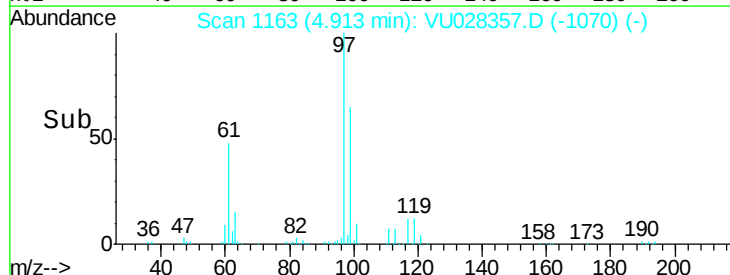
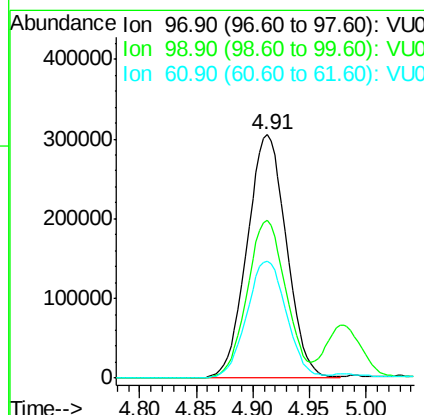
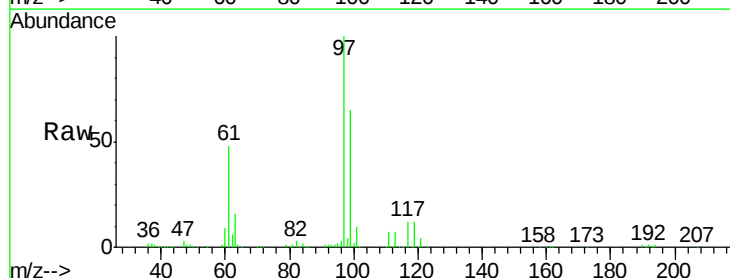
RT: 4.91 min Scan# 1163

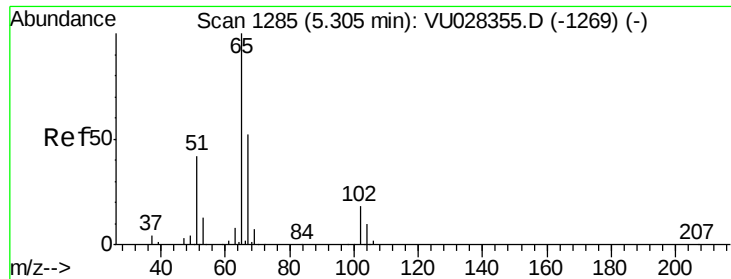
Delta R.T. -0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Tgt Ion:	97	Resp:	737388
Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.8	76.2
61	48.6	39.1	58.7





#33

1,2-Dichloroethane-d4

Concen: 151.253 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 598229

Ion Ratio Lower Upper

65 100

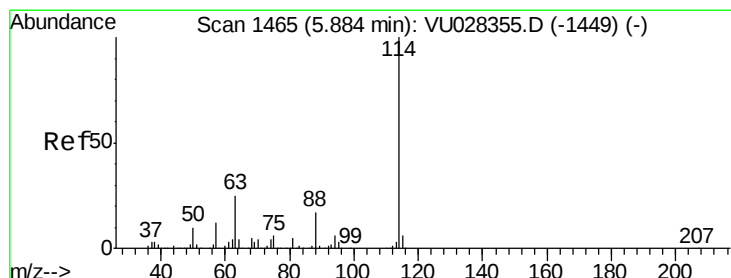
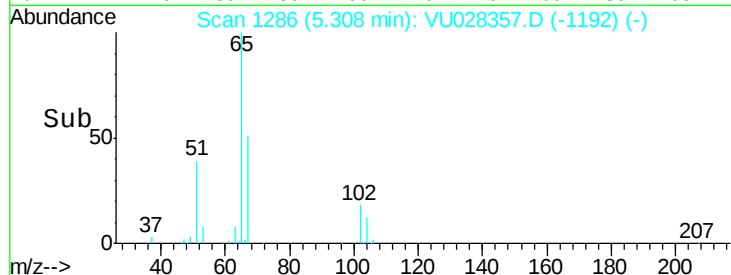
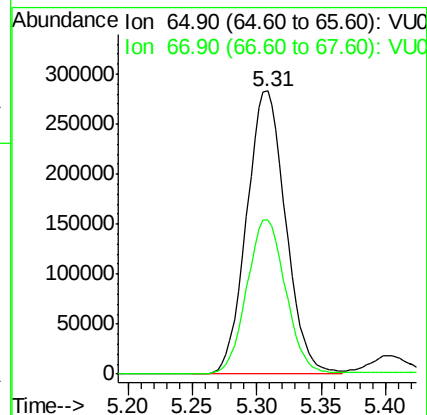
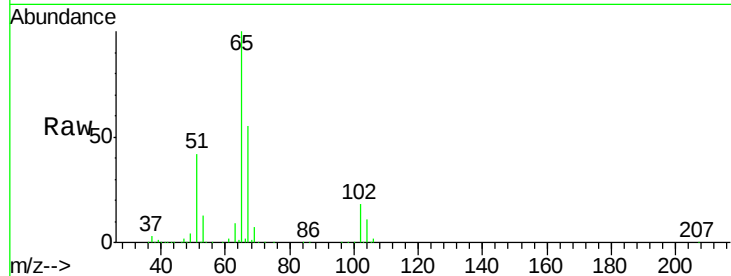
67 54.4 0.0 106.8

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11/29/2018 1:23:03 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

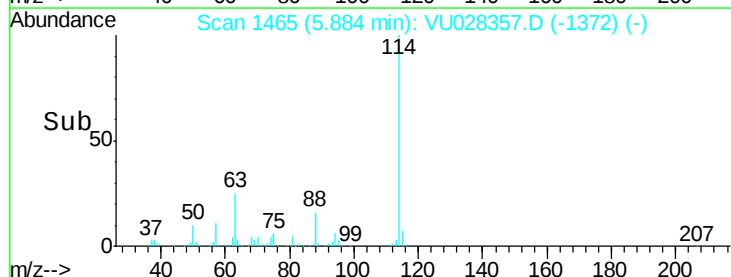
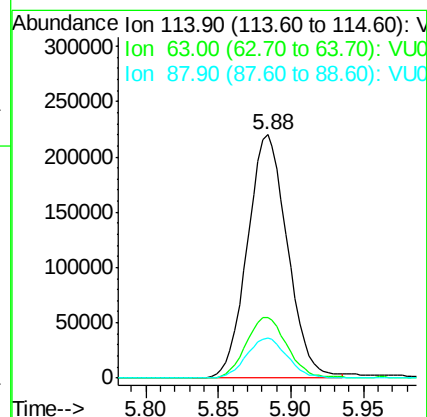
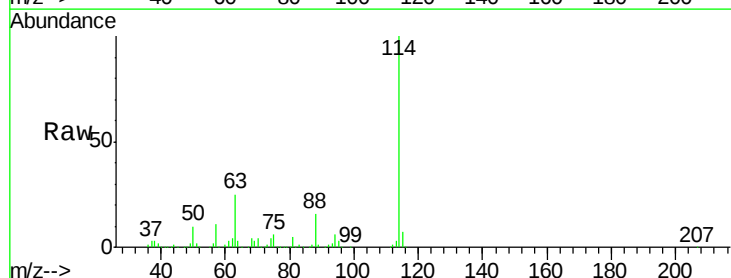
Tgt Ion: 114 Resp: 423296

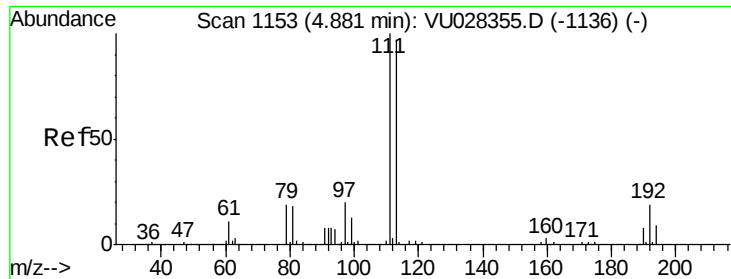
Ion Ratio Lower Upper

114 100

63 25.1 0.0 50.0

88 16.5 0.0 34.4





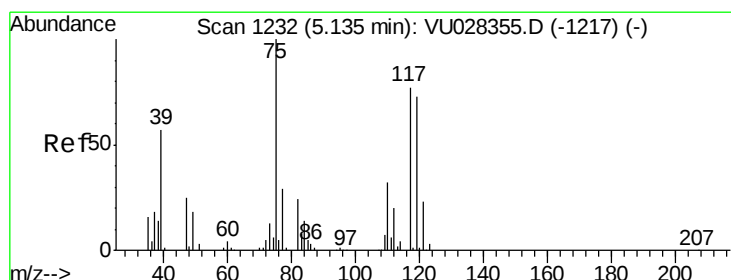
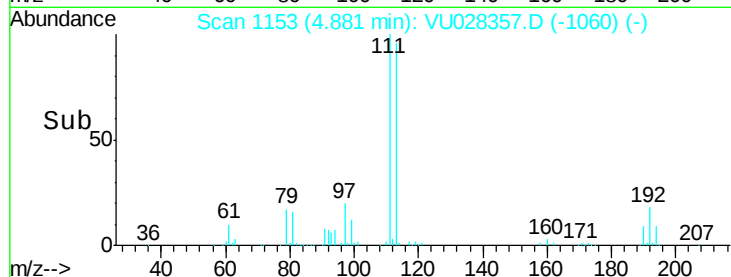
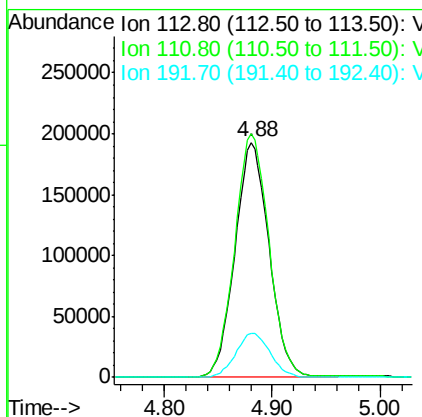
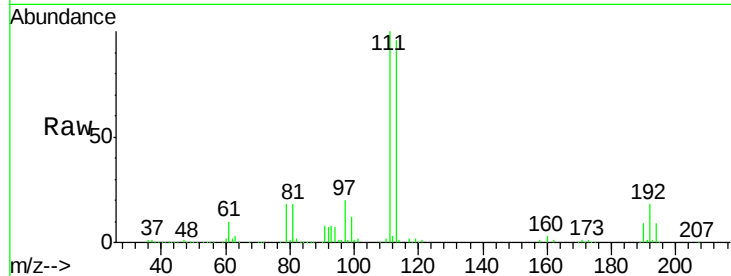
#35
Dibromofluoromethane
Concen: 151.035 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	425126		
111	104.4	82.9	124.3	
192	19.0	15.4	23.0	

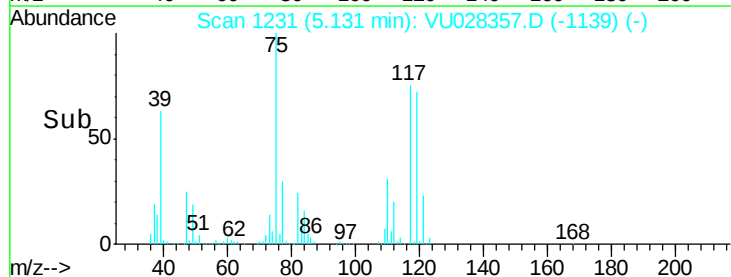
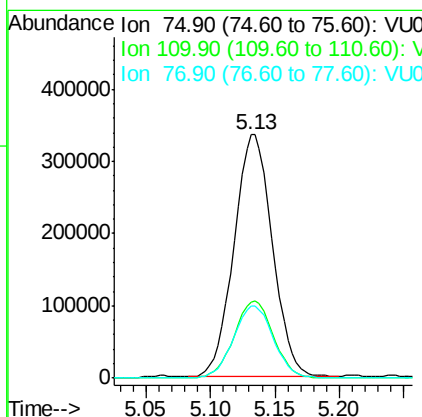
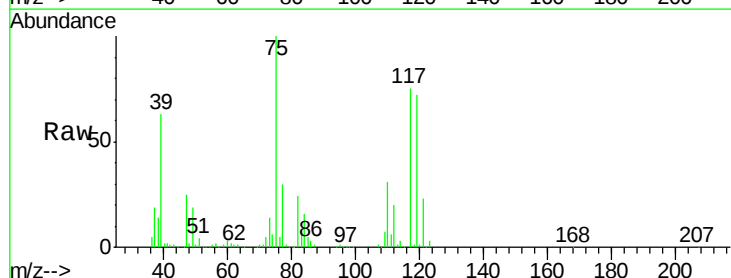
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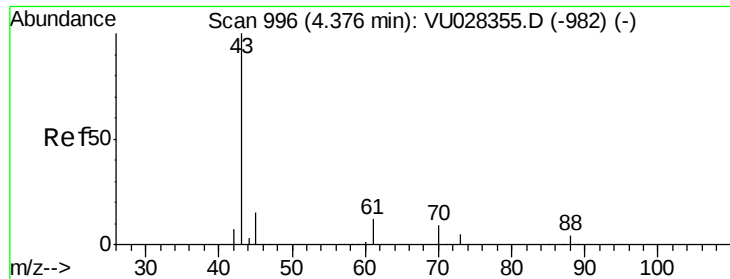
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11/29/2018 1:23:03 PM



#36
1,1-Dichloropropene
Concen: 150.356 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	696458		
110	32.4	15.8	47.4	
77	30.5	24.6	36.8	





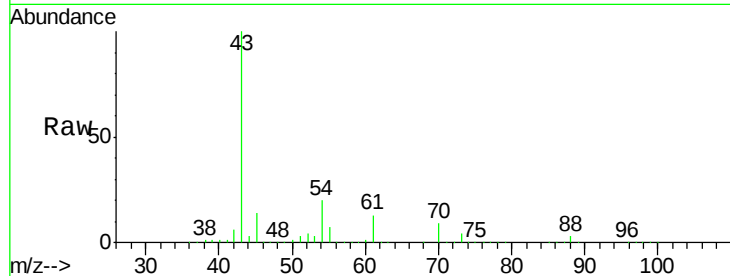
#37
Ethyl Acetate
Concen: 164.669 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

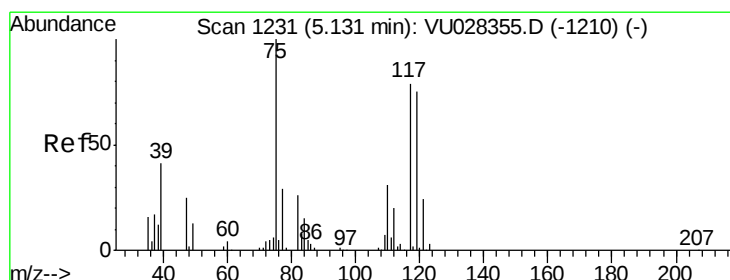
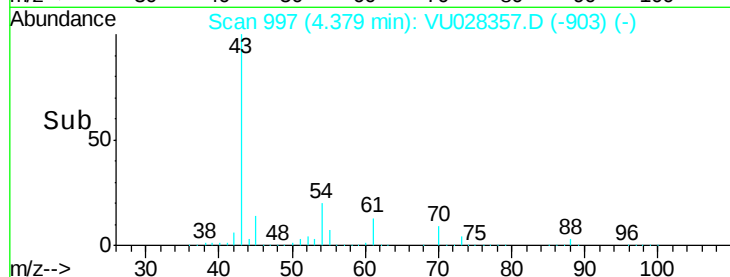
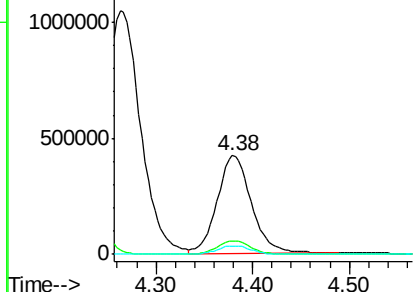
Tot Ion: 43 Resp: 1039465
Ion Ratio Lower Upper
43 100
61 13.2 10.2 15.4
70 8.6 6.9 10.3

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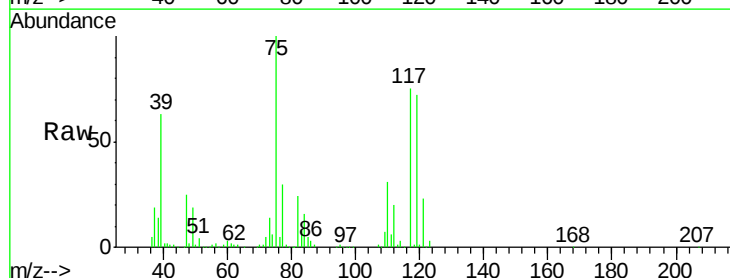


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

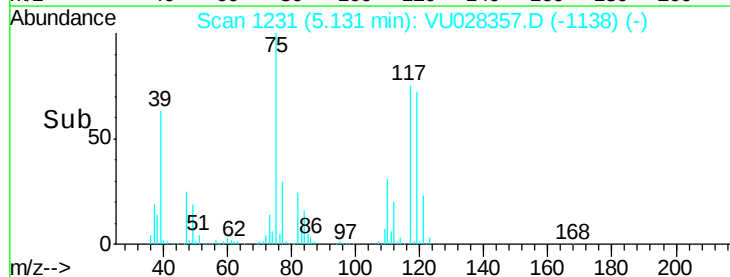
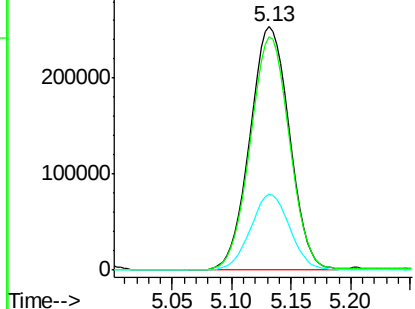


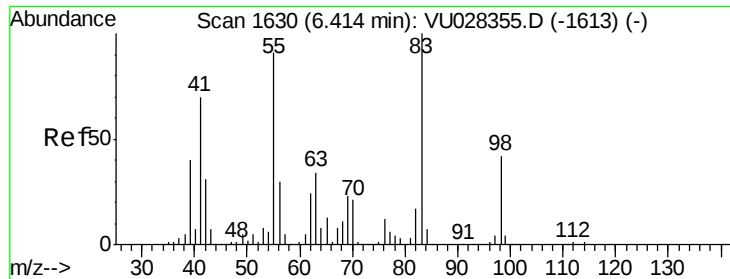
#38
Carbon Tetrachloride
Concen: 153.556 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Tgt Ion: 117 Resp: 584087
Ion Ratio Lower Upper
117 100
119 95.9 76.3 114.5
121 31.2 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





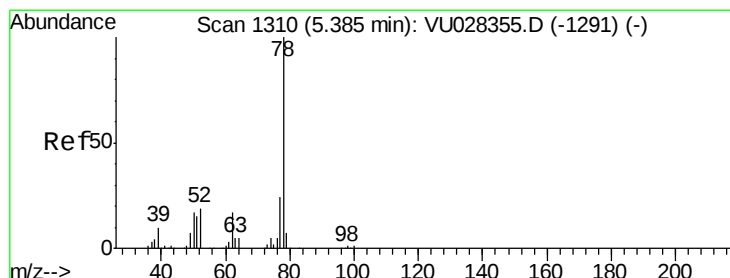
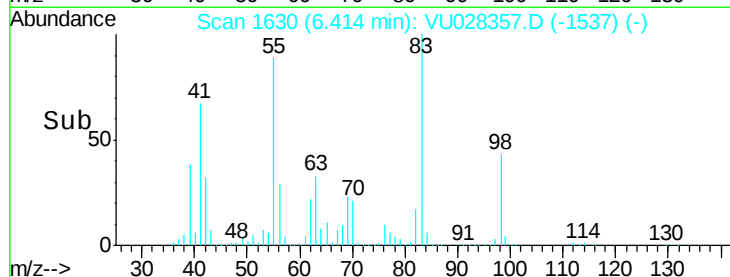
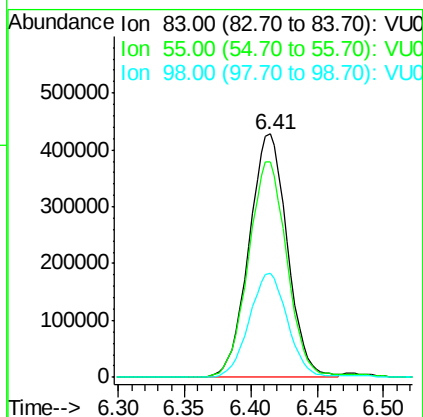
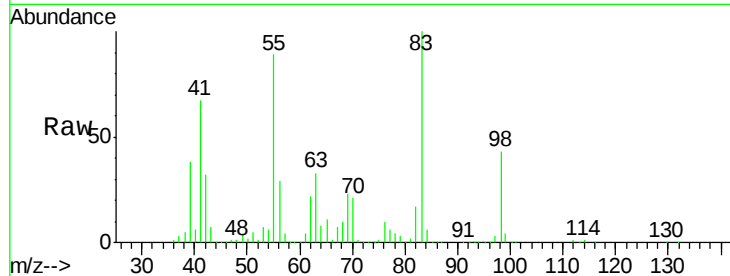
#39
Methvlcvclohexane
Concen: 157.749 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.5	73.1	109.7
98	42.9	33.9	50.9

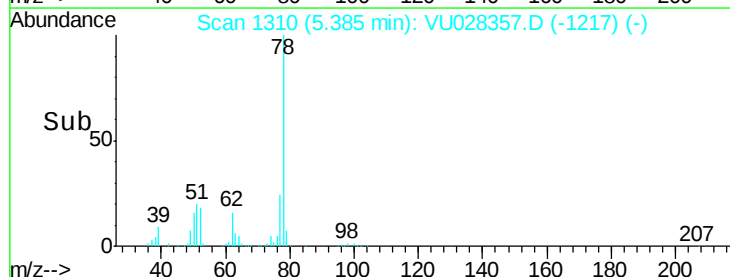
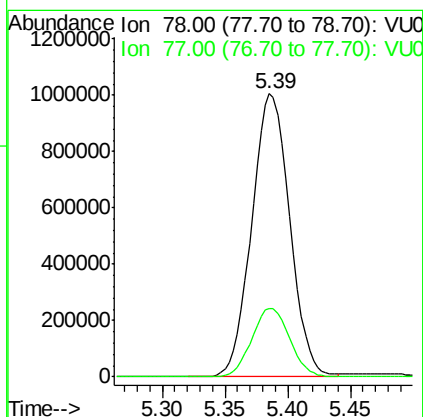
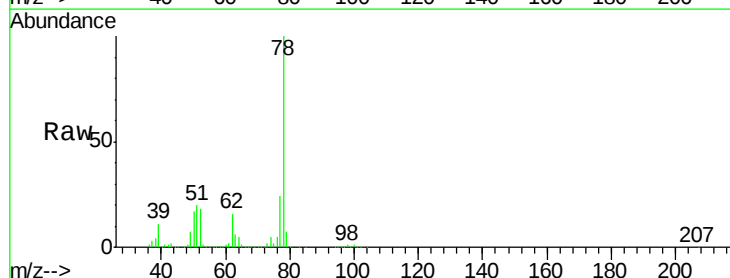
Manual Integrations
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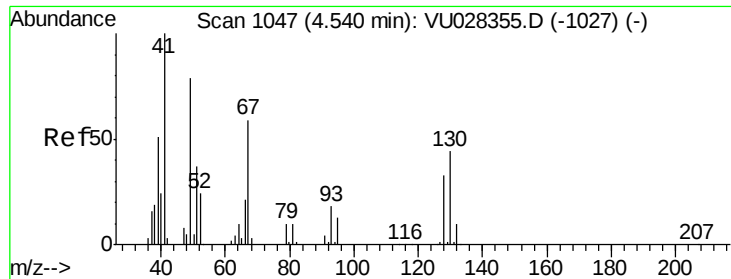
MMDadoda
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#40
Benzene
Concen: 154.465 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.6





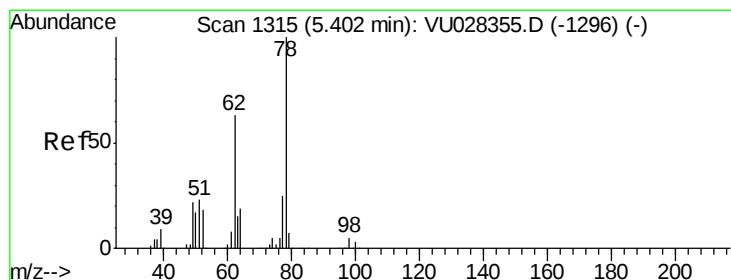
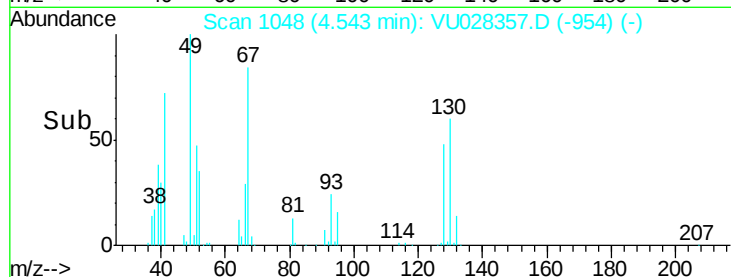
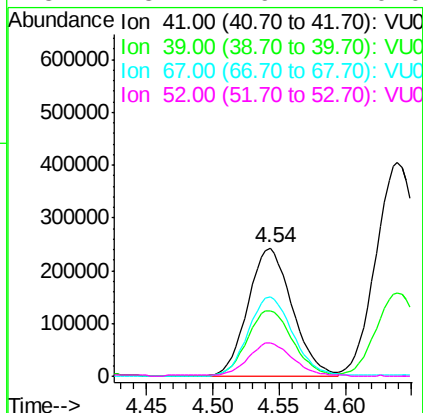
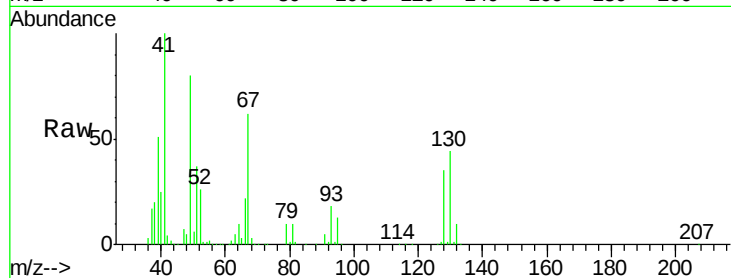
#41
Methacrylonitrile
Concen: 160.753 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	41.3	61.9	
67	63.2	48.6	73.0	
52	25.4	19.4	29.0	

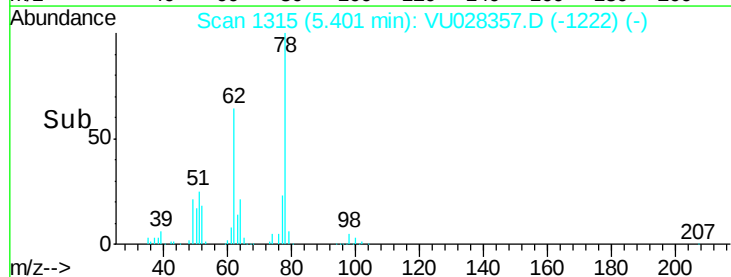
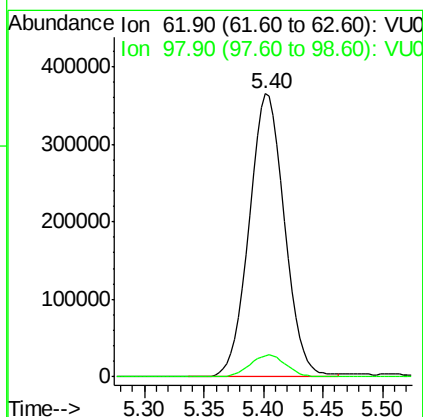
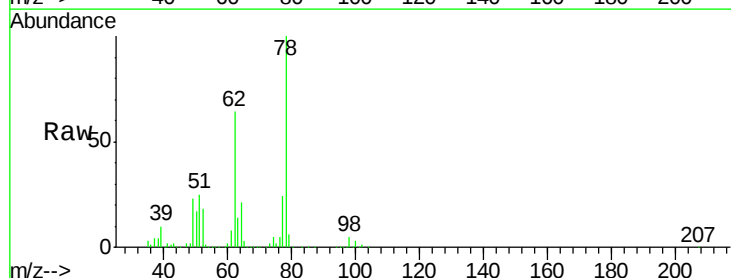
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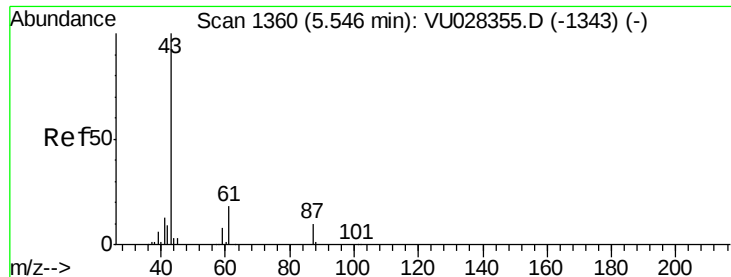
MMDadoda
11/29/2018 1:23:03 PM



#42
1,2-Dichloroethane
Concen: 152.420 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	15.4	





#43

Isopropyl Acetate

Concen: 159.220 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1592679

Ion Ratio Lower Upper

43 100

61 18.7 14.5 21.7

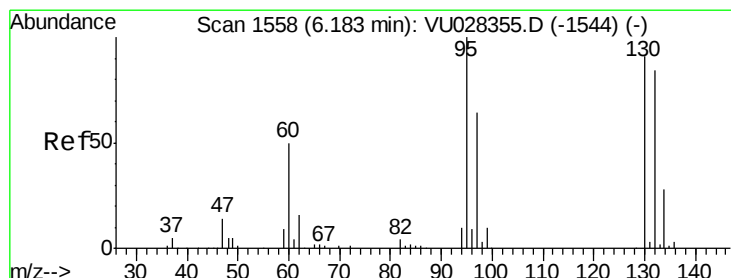
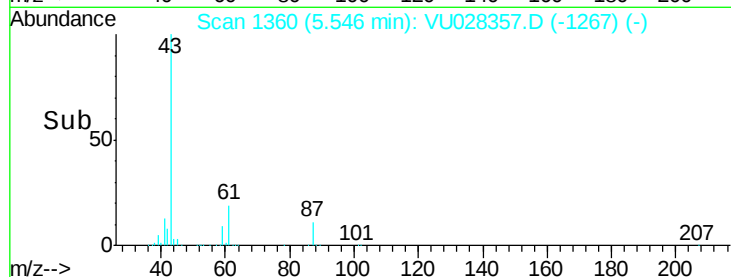
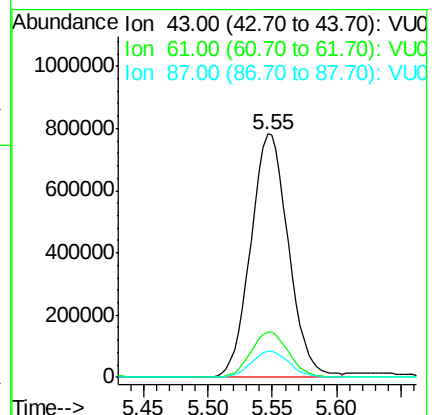
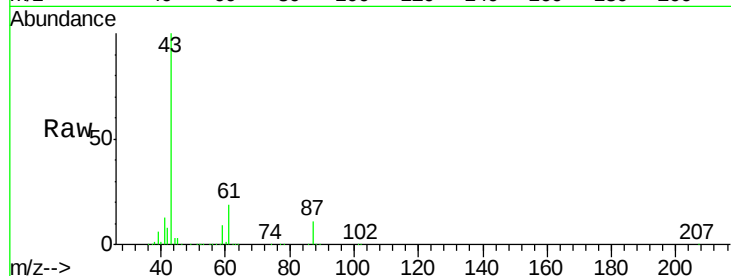
87 10.7 8.4 12.6

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11/29/2018 1:23:03 PM



#44

Trichloroethene

Concen: 157.323 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028357.D

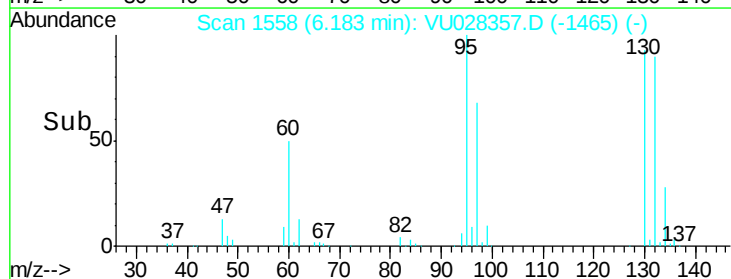
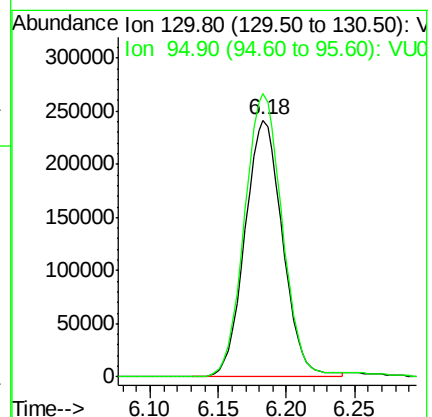
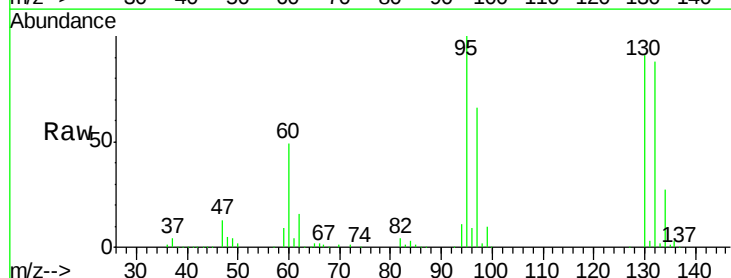
Acq: 28 Nov 2018 11:11

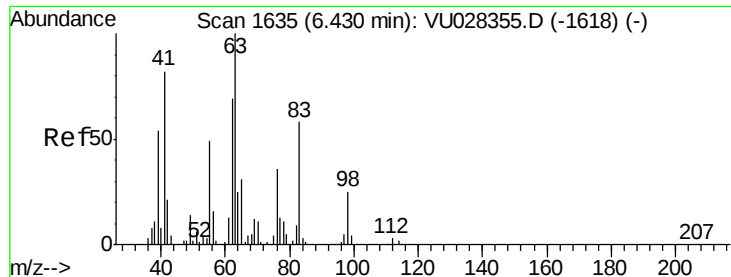
Tgt Ion:130 Resp: 462642

Ion Ratio Lower Upper

130 100

95 110.2 0.0 219.8





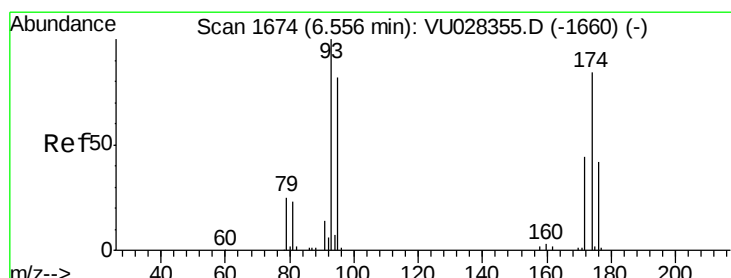
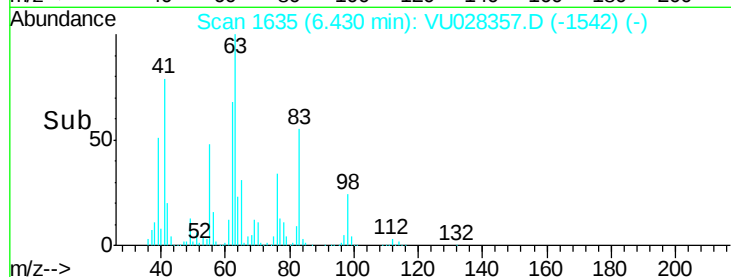
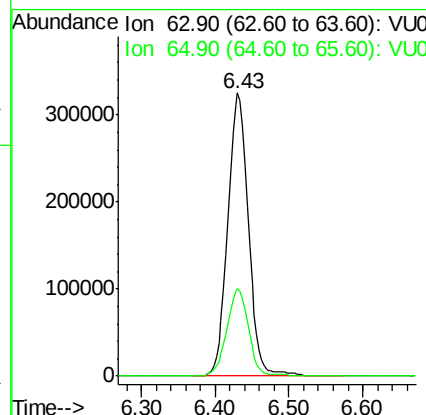
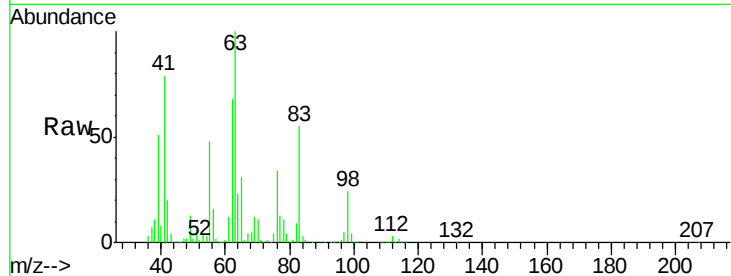
#45
 1,2-Dichloropropane
 Concen: 157.597 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028357.D
 Acq: 28 Nov 2018 11:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 633151
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.1 37.7

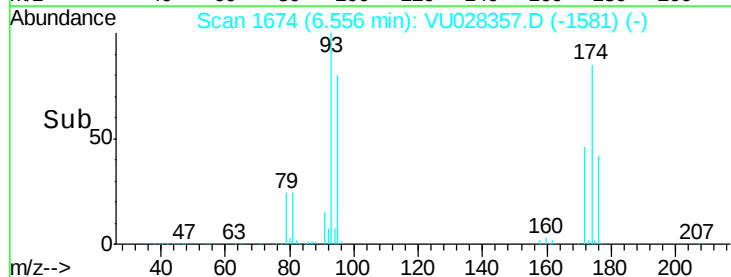
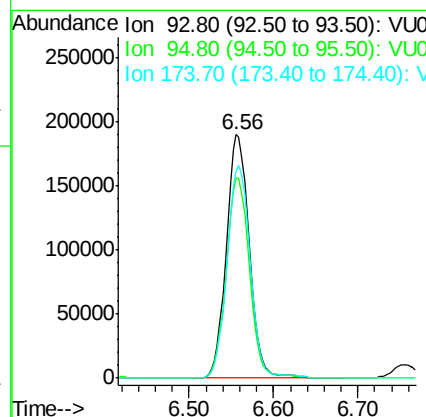
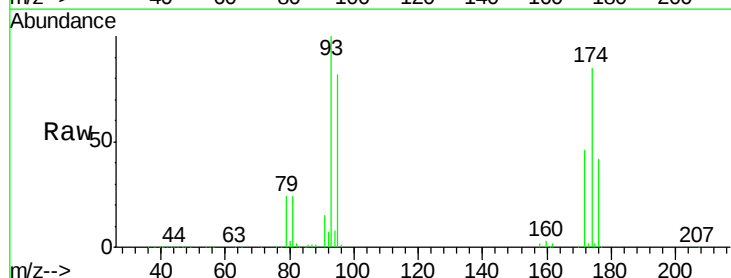
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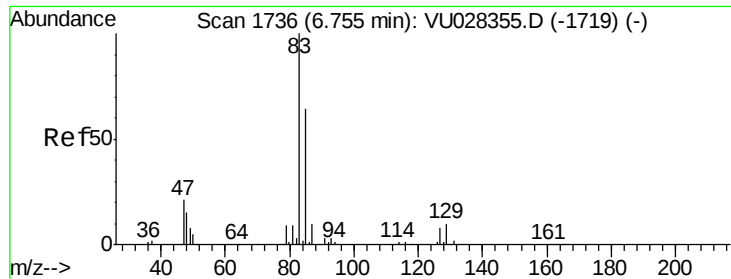
MMDadoda
 11/29/2018 1:23:03 PM



#46
 Dibromomethane
 Concen: 155.514 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VU028357.D
 Acq: 28 Nov 2018 11:11

Tgt Ion: 93 Resp: 358875
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.1 97.7
 174 88.2 69.9 104.9





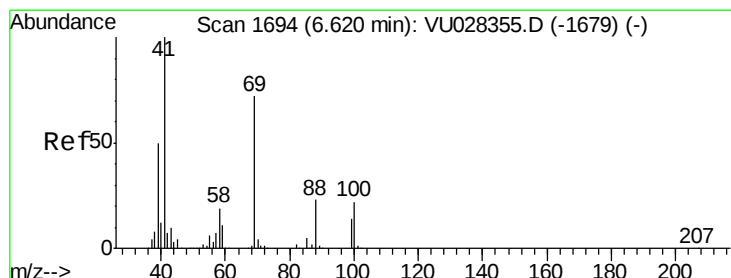
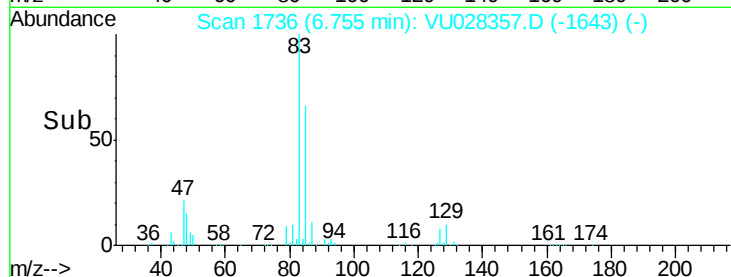
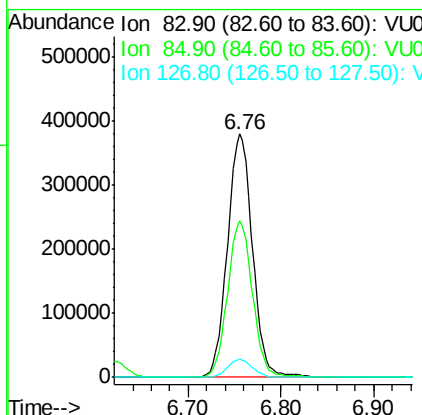
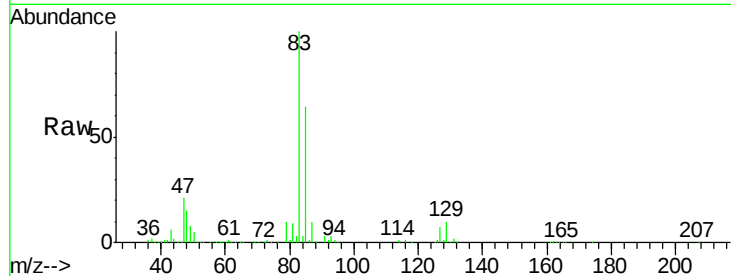
#47
Bromodichloromethane
Concen: 154.454 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	708953
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	50.9	76.3
127	7.4	6.2	9.4

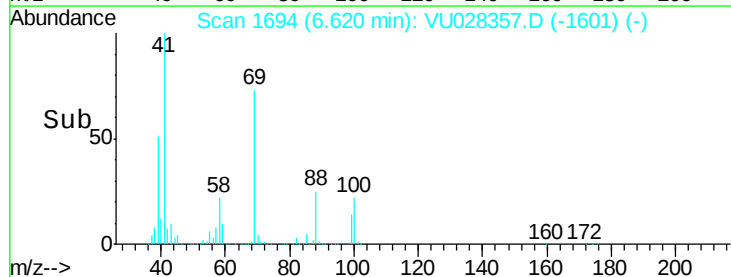
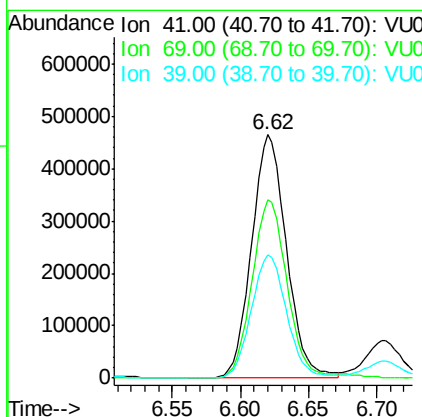
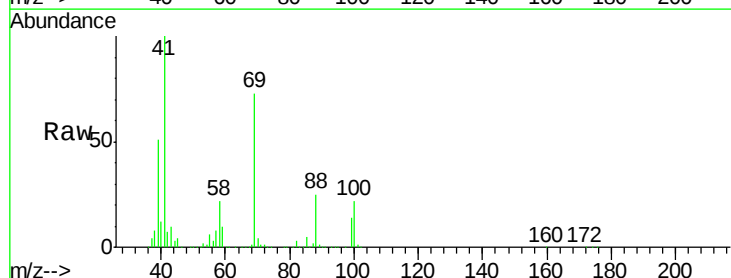
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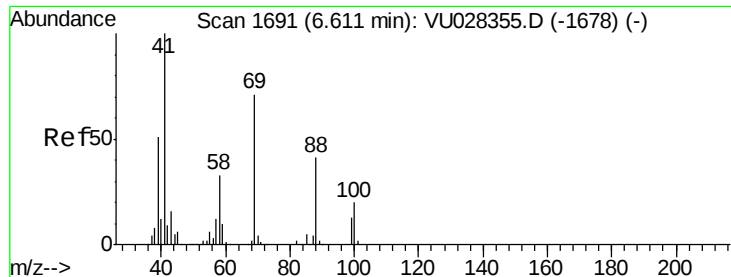
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#48
Methyl methacrylate
Concen: 158.218 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Tgt Ion	41	Resp	824417
Ion Ratio	100	Lower	Upper
41	100		
69	73.1	59.0	88.4
39	51.0	40.5	60.7





#49

1,4-Dioxane

Concen: 3644.751 ug/l

RT: 6.63 min Scan# 1696

Delta R.T. 0.02 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

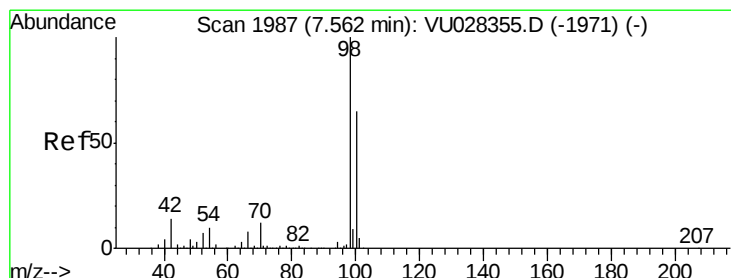
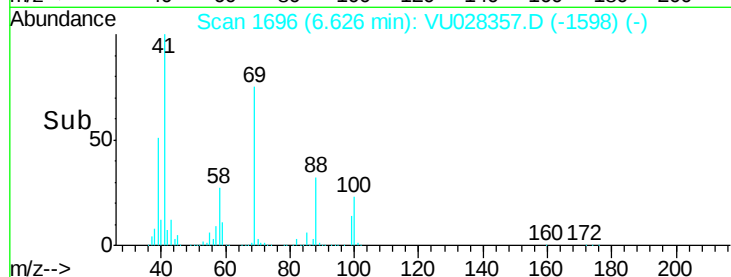
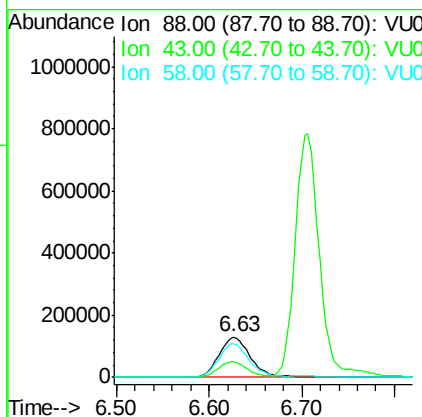
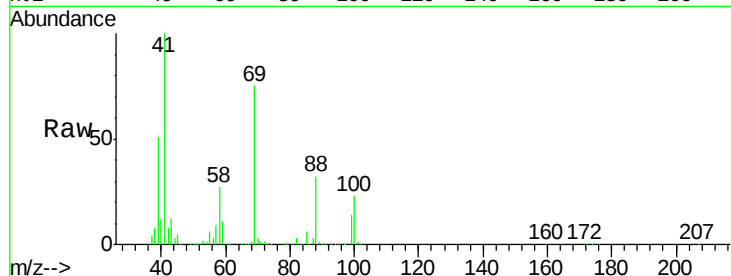
ClientSampleId :

VSTDIC150

Tot Ion	88	Resp	303391
Ion	Ratio	Lower	Upper
88	100		
43	36.2	32.6	48.8
58	81.3	68.7	103.1

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#50

Toluene-d8

Concen: 153.105 ug/l

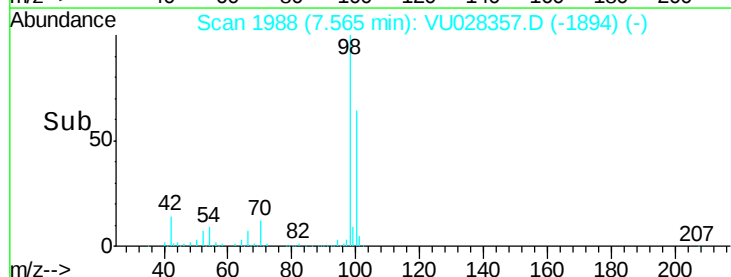
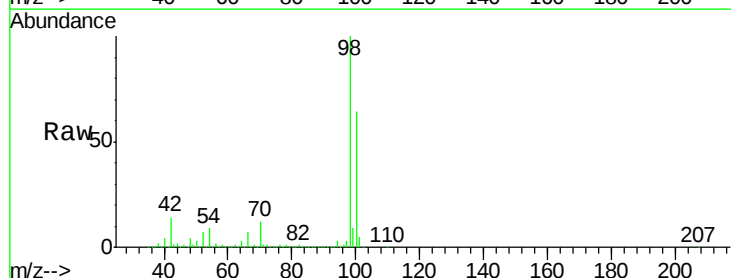
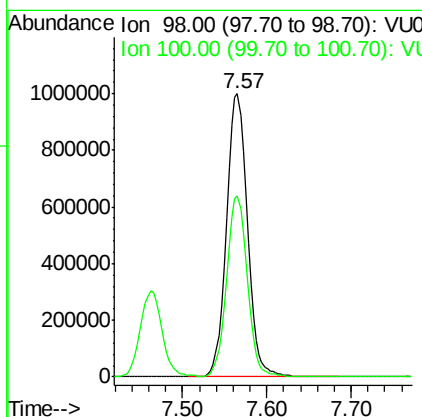
RT: 7.57 min Scan# 1988

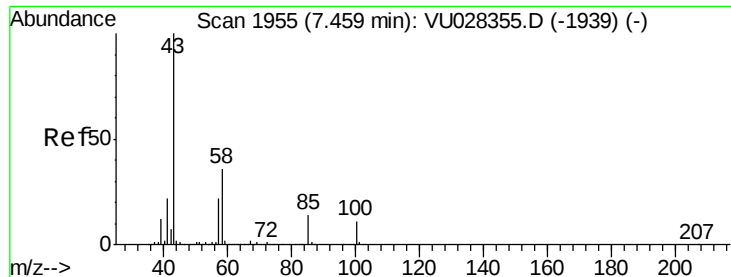
Delta R.T. 0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Tgt Ion	98	Resp	1723502
Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 802.078 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 5124315

Ion Ratio Lower Upper

43 100

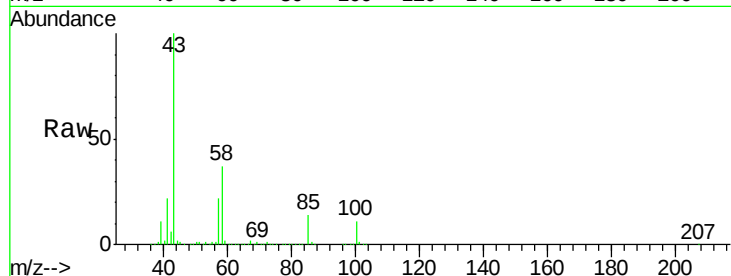
58 37.0 28.8 43.2

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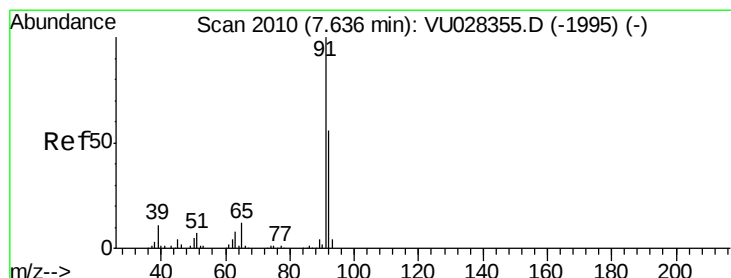
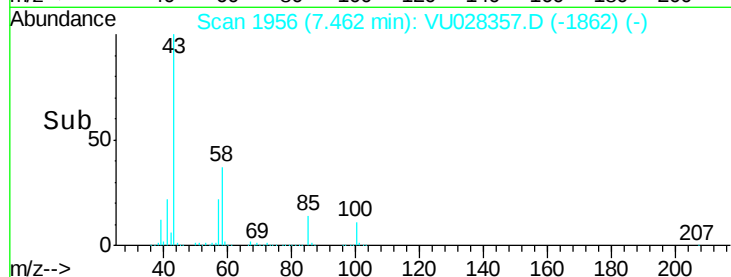
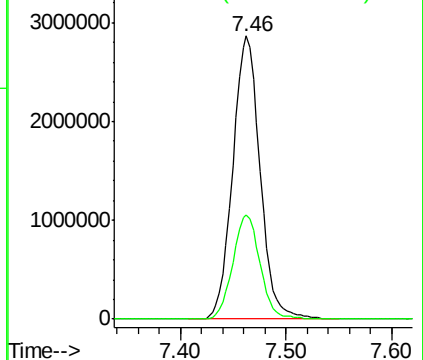
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 160.605 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028357.D

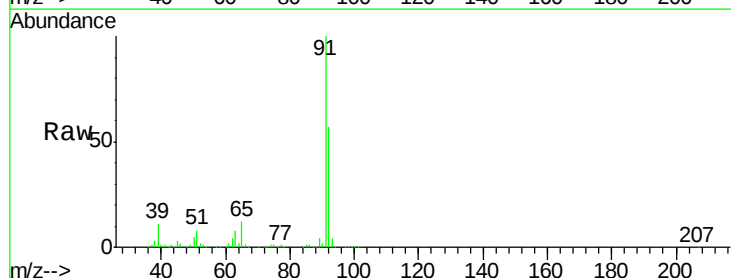
Acq: 28 Nov 2018 11:11

Tgt Ion: 92 Resp: 1268801

Ion Ratio Lower Upper

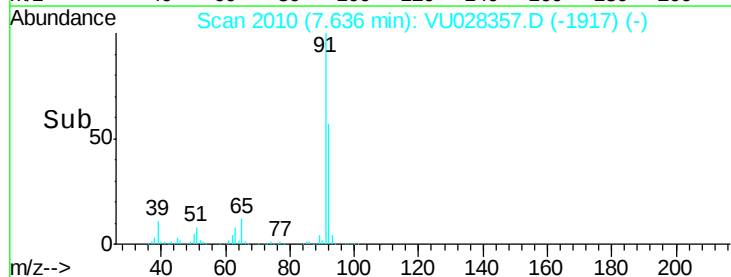
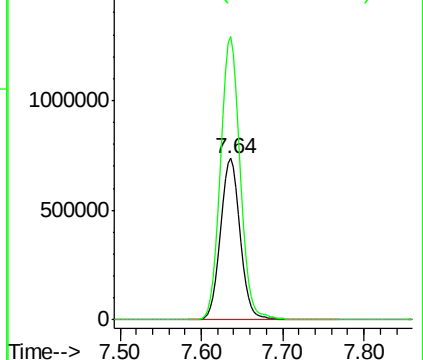
92 100

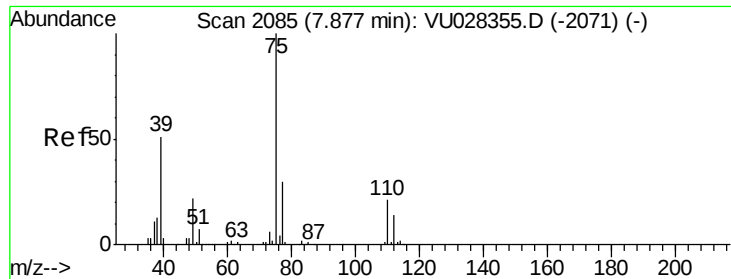
91 175.0 141.8 212.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





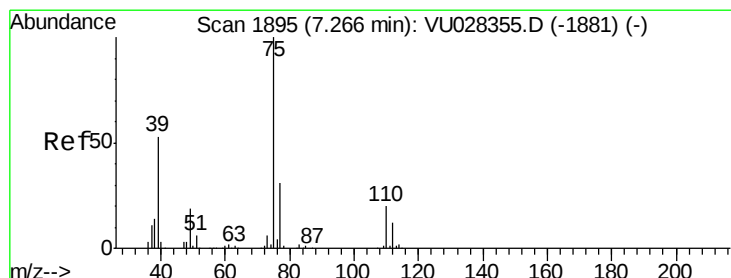
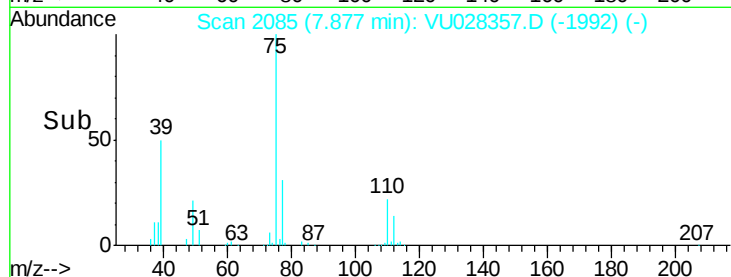
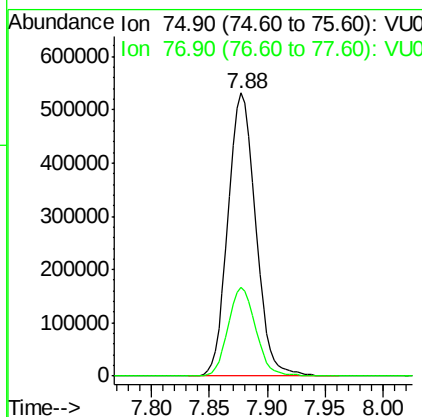
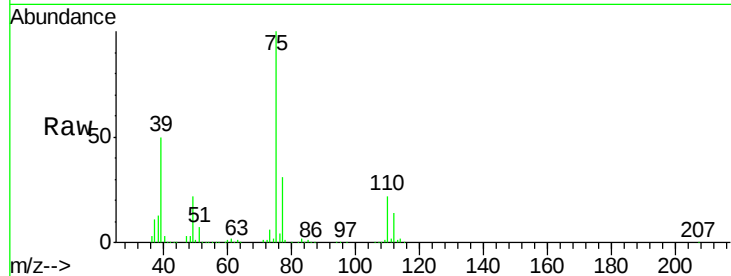
#53
t-1,3-Dichloropropene
Concen: 159.822 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 877203
Ion Ratio Lower Upper
75 100
77 31.4 24.1 36.1

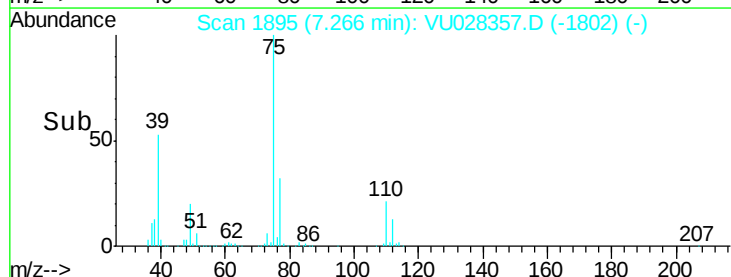
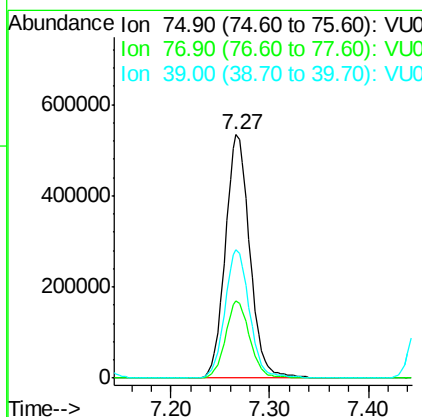
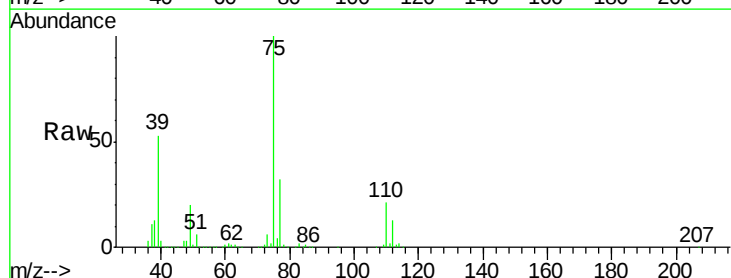
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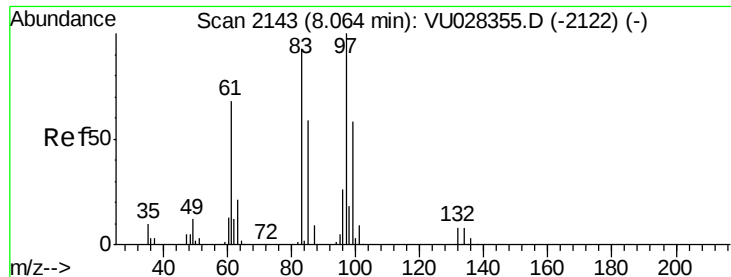
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 158.256 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Tgt Ion: 75 Resp: 930553
Ion Ratio Lower Upper
75 100
77 31.7 24.9 37.3
39 52.9 42.6 64.0





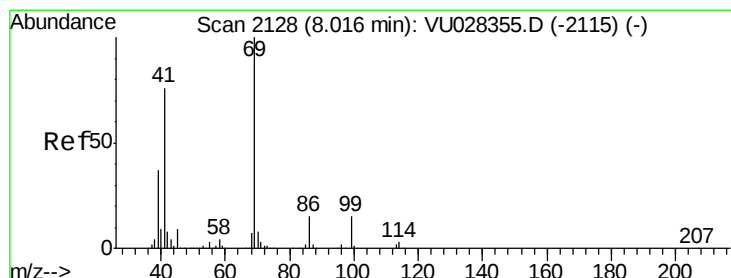
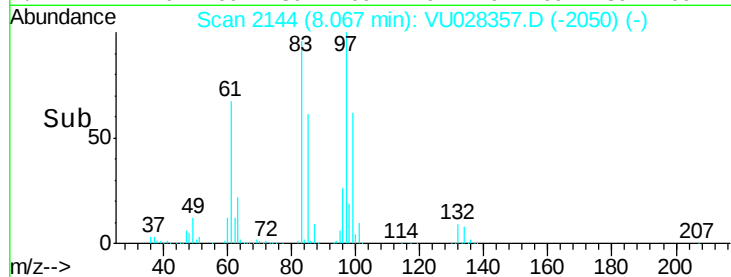
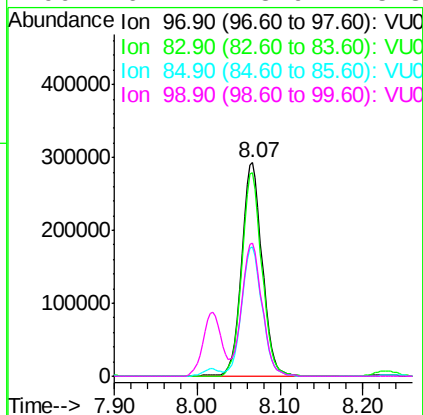
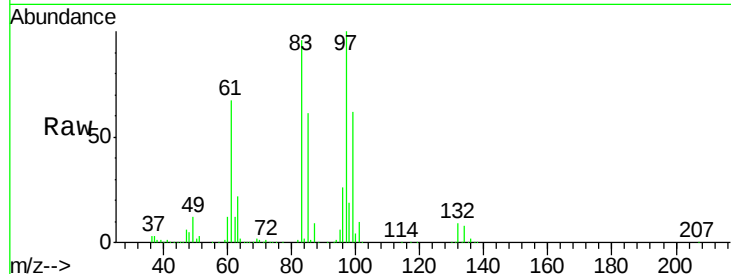
#55
 1,1,2-Trichloroethane
 Concen: 154.450 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028357.D
 Acq: 28 Nov 2018 11:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	507817
Ion	Ratio	Lower	Upper
97	100		
83	95.6	74.3	111.5
85	60.8	47.2	70.8
99	62.4	48.9	73.3

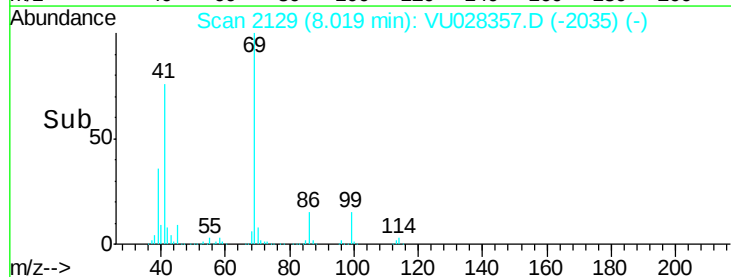
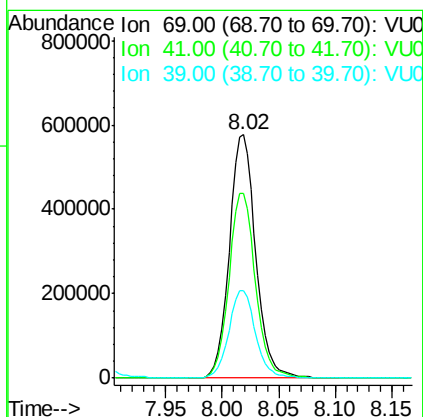
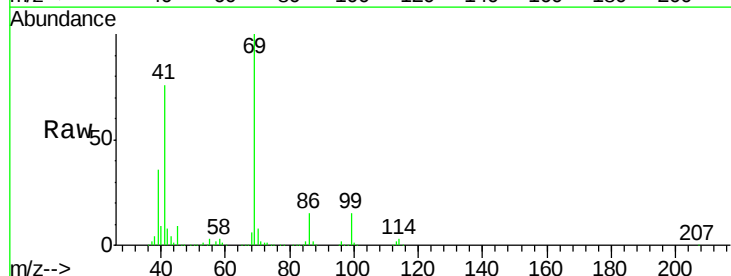
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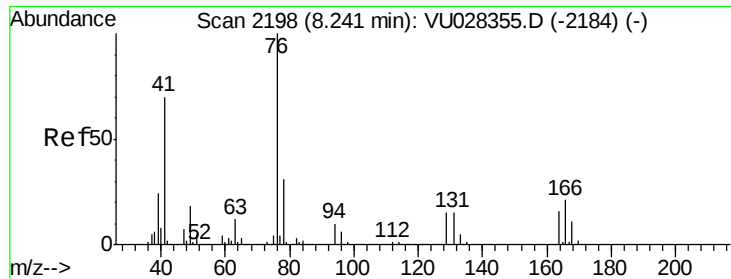
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#56
 Ethyl methacrylate
 Concen: 167.130 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028357.D
 Acq: 28 Nov 2018 11:11

Tgt Ion:	69	Resp:	934836
Ion	Ratio	Lower	Upper
69	100		
41	76.3	60.0	90.0
39	36.3	29.0	43.6





#57

1,3-Dichloropropane

Concen: 157.843 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 951721

Ion Ratio Lower Upper

76 100

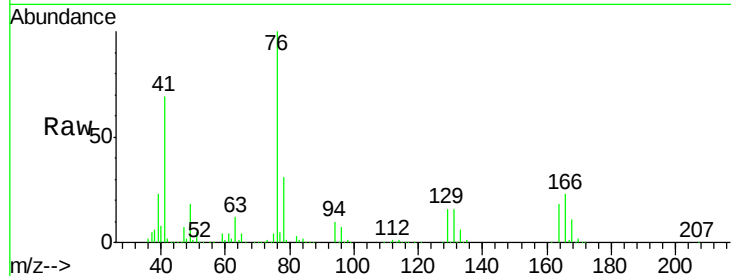
78 31.0 25.4 38.0

Manual Integrations

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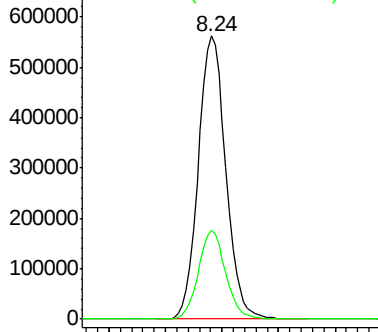
MMDadoda

11/29/2018 1:23:03 PM

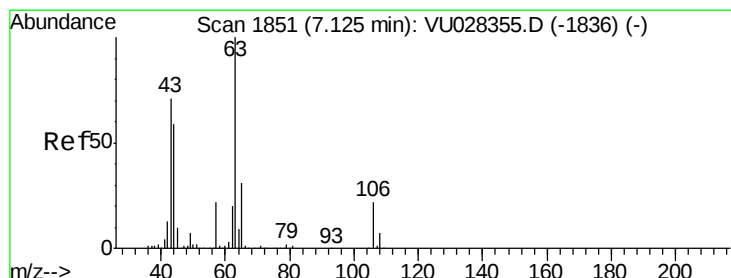
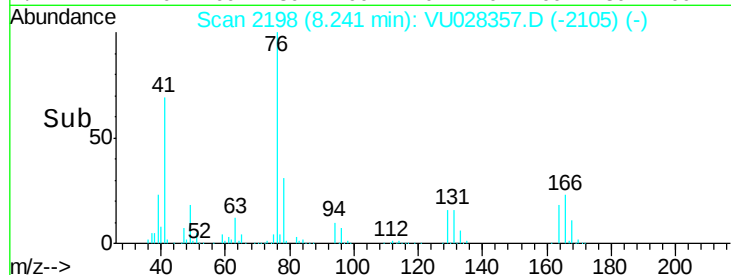


Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 852.850 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU028357.D

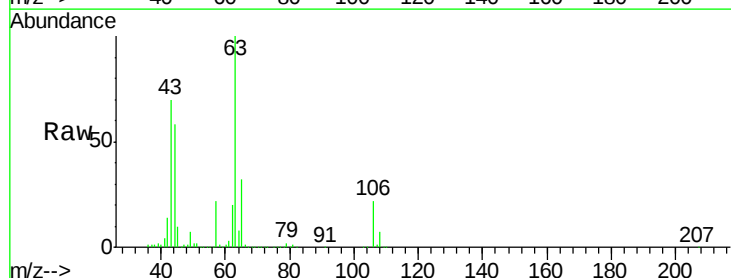
Acq: 28 Nov 2018 11:11

Tgt Ion: 63 Resp: 2561159

Ion Ratio Lower Upper

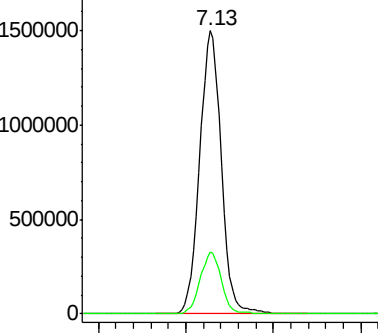
63 100

106 21.7 17.3 25.9

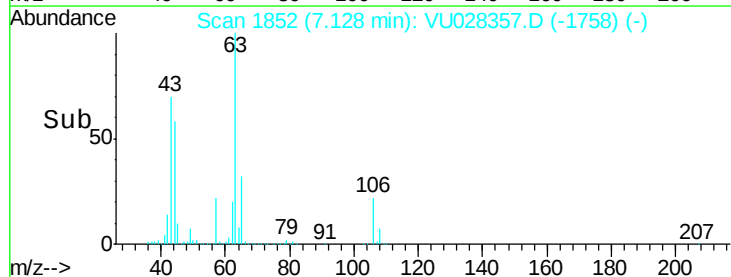


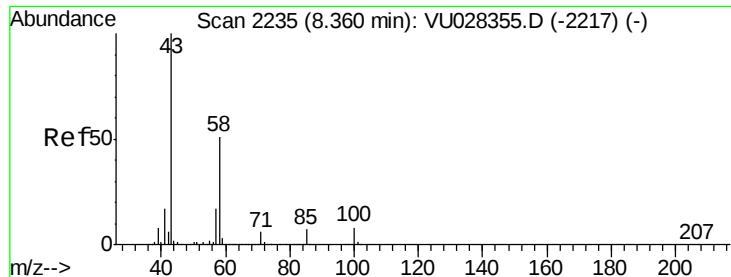
Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V



Time-->





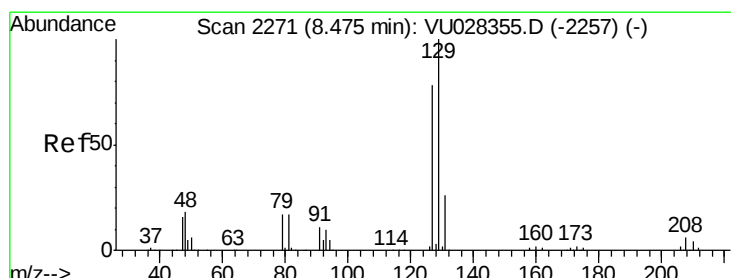
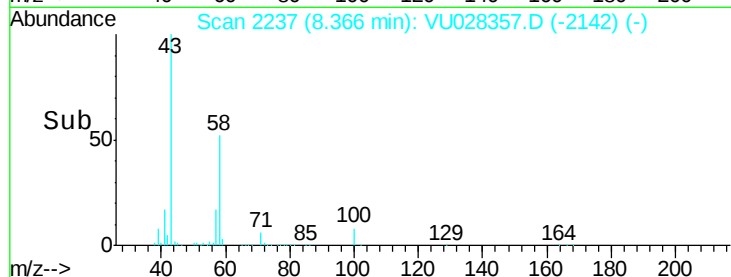
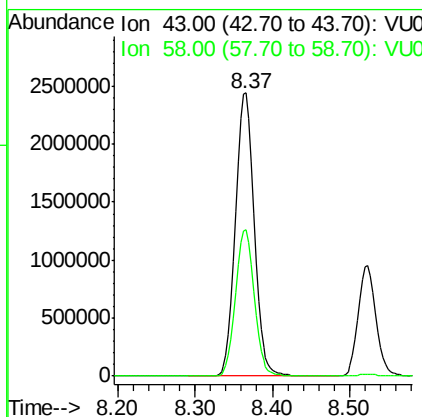
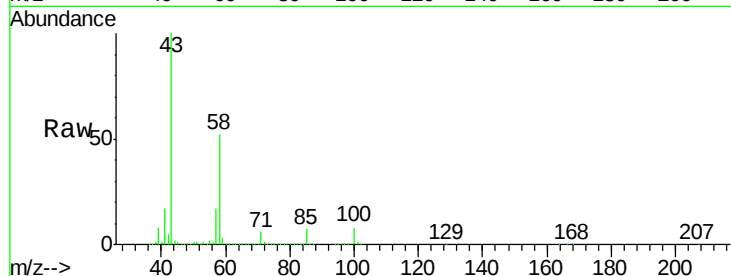
#59
2-Hexanone
Concen: 817.967 ug/l
RT: 8.37 min Scan# 2237
Delta R.T. 0.01 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 4047933
Ion Ratio Lower Upper
43 100
58 51.7 25.5 76.5

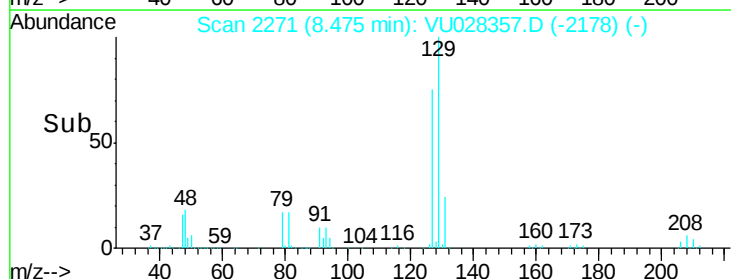
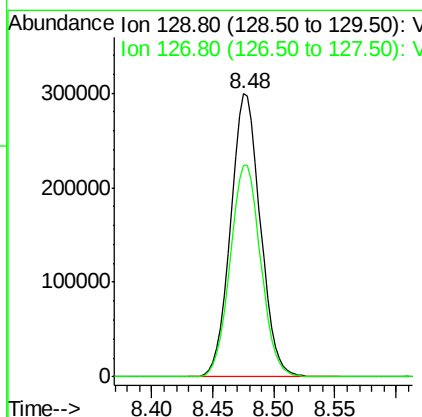
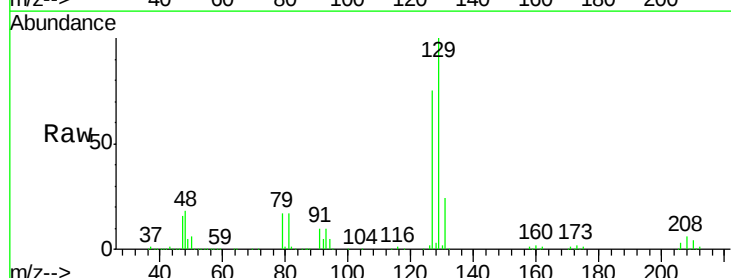
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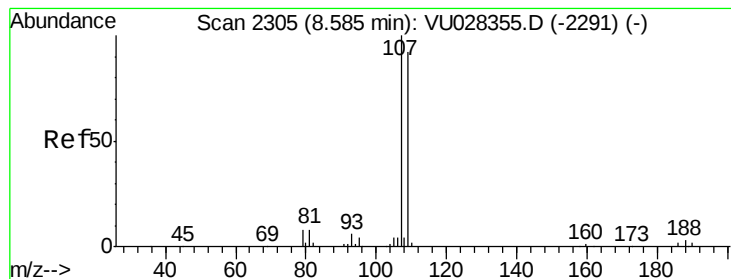
MMDadoda
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#60
Dibromochloromethane
Concen: 162.295 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Tgt Ion: 129 Resp: 507502
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.7





#61

1,2-Dibromoethane

Concen: 160.500 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 540478

Ion Ratio Lower Upper

107 100

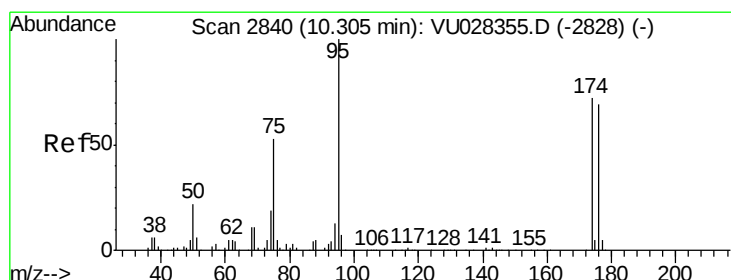
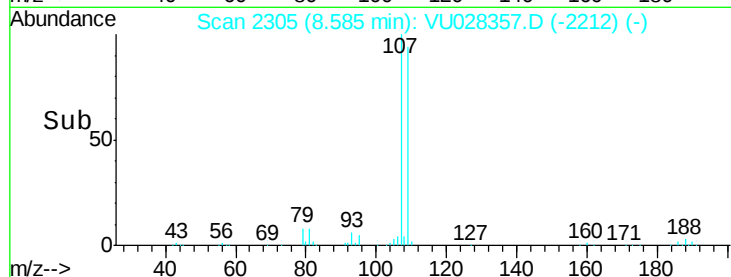
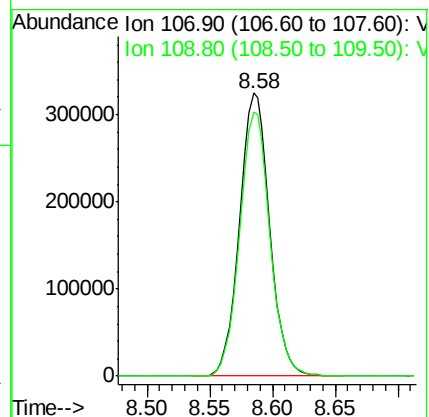
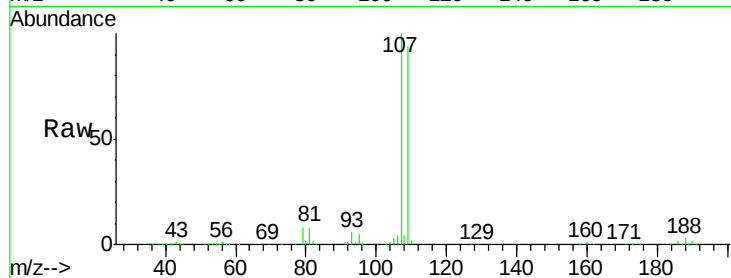
109 94.1 73.2 109.8

Manual Integrations

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11/29/2018 1:23:03 PM



#62

4-Bromofluorobenzene

Concen: 157.436 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

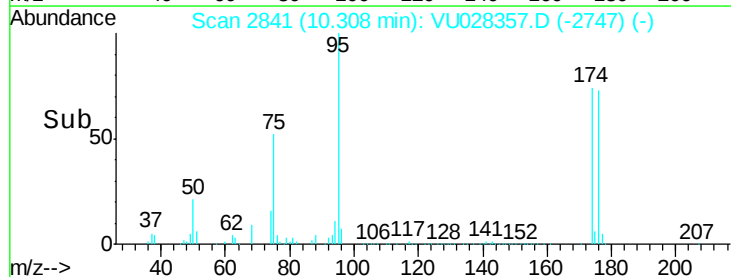
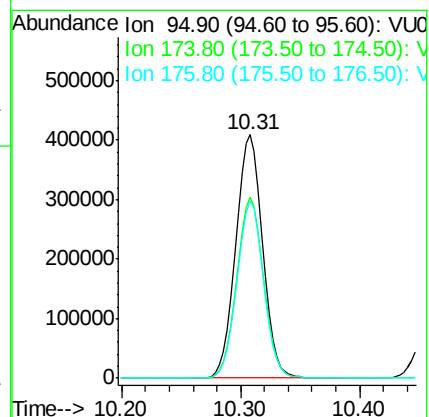
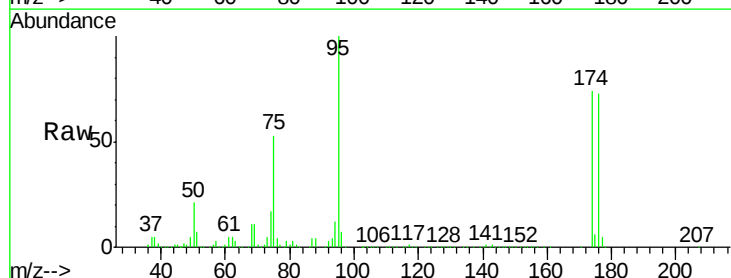
Tgt Ion: 95 Resp: 638772

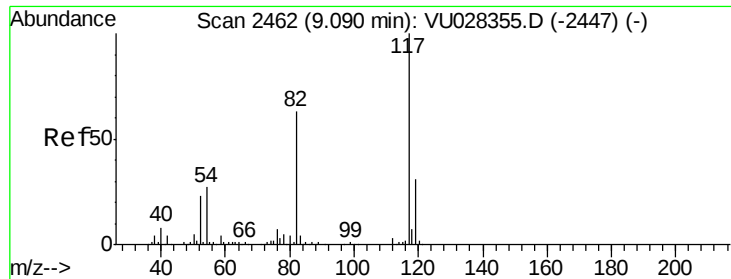
Ion Ratio Lower Upper

95 100

174 74.5 0.0 145.4

176 72.1 0.0 140.8





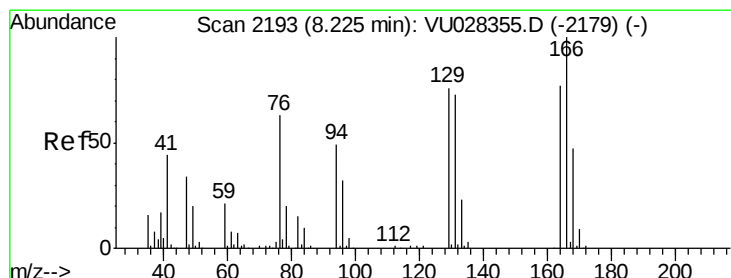
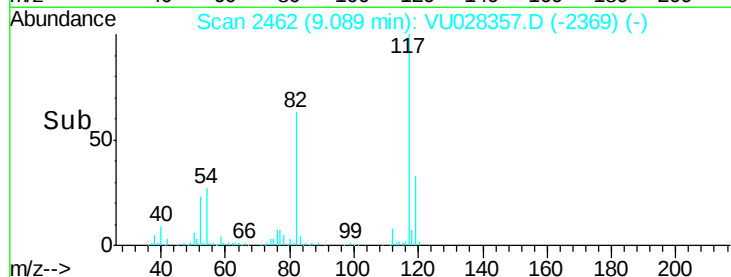
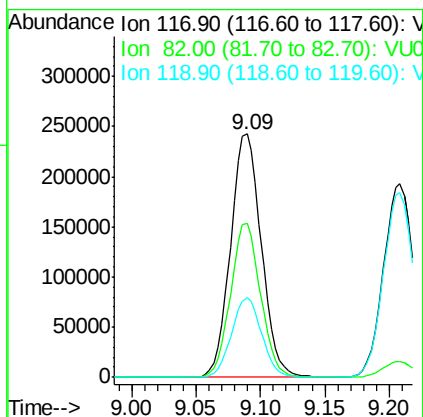
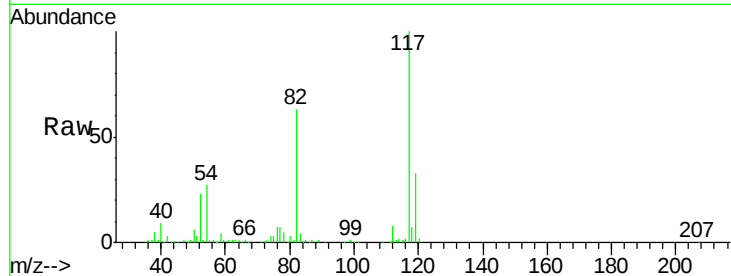
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.5	50.3	75.5
119	32.6	24.8	37.2

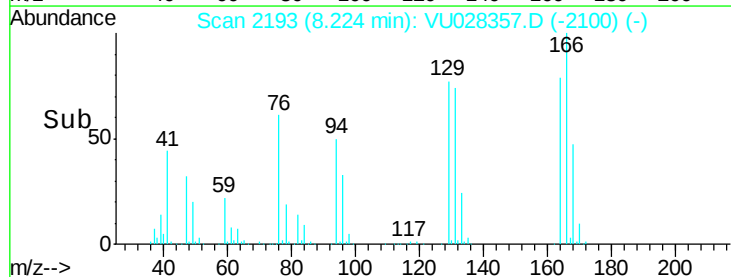
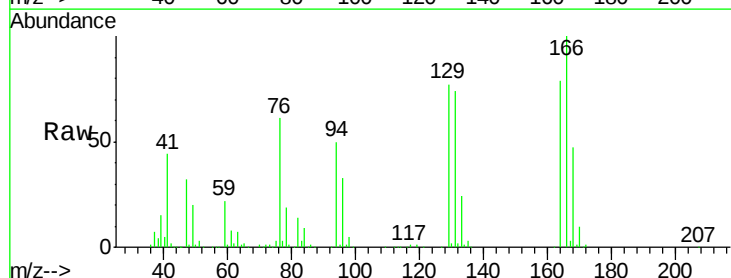
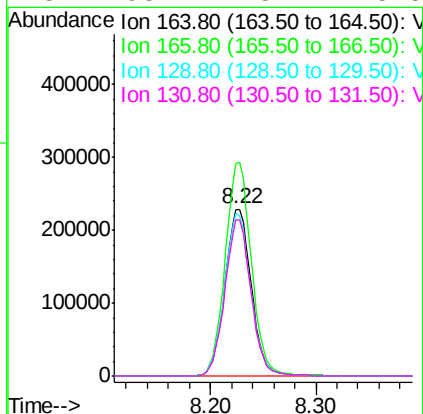
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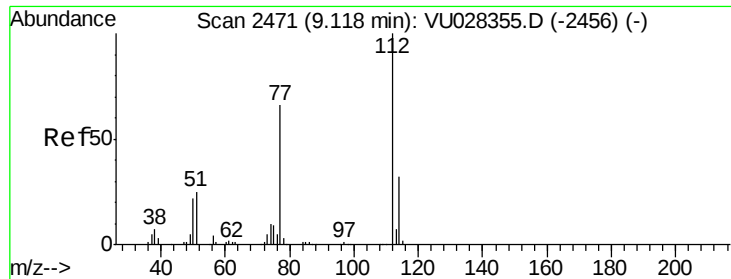
MMDadoda
11/29/2018 1:23:03 PM



#64
Tetrachloroethene
Concen: 149.331 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	104.0	156.0
129	97.4	79.2	118.8
131	93.7	75.7	113.5





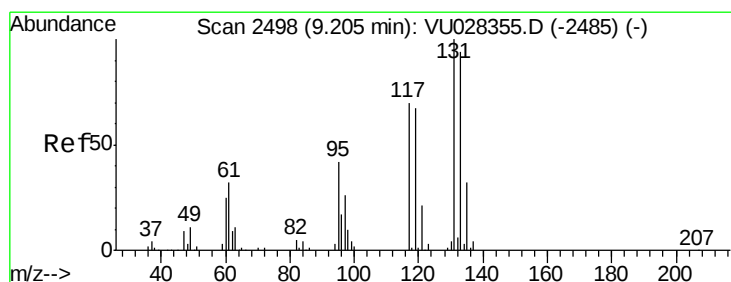
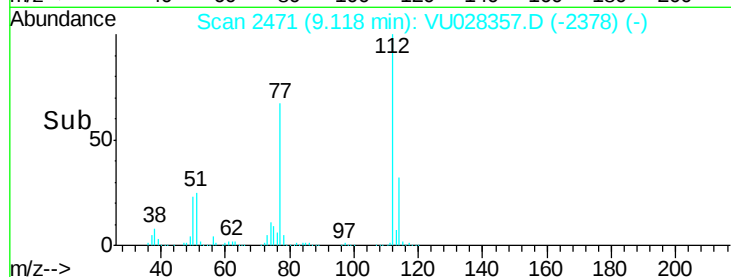
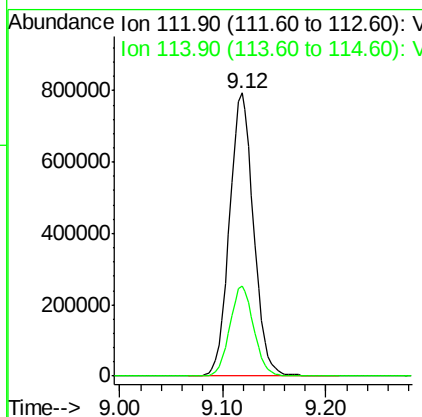
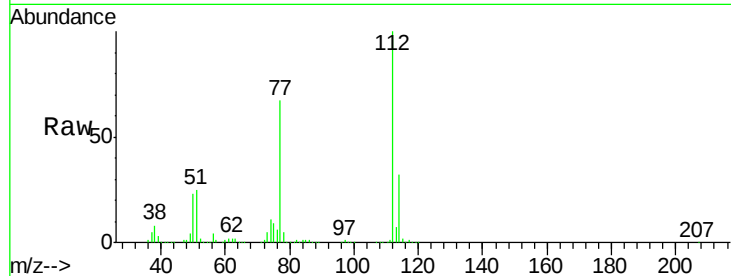
#65
Chlorobenzene
Concen: 154.441 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1292562
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5

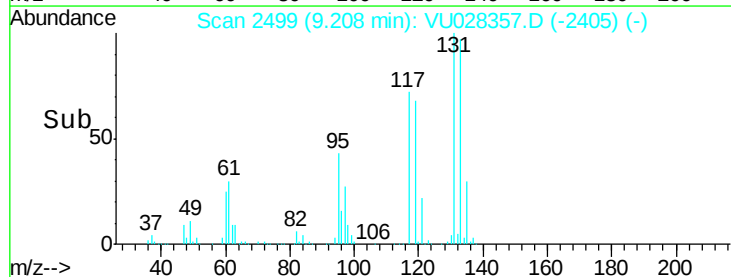
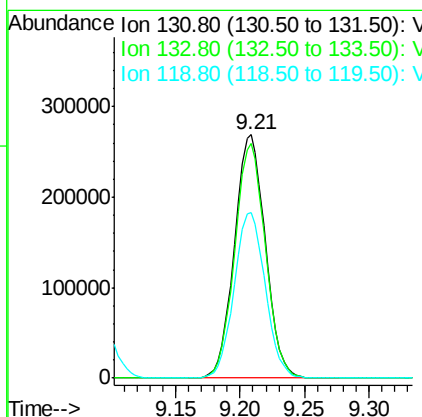
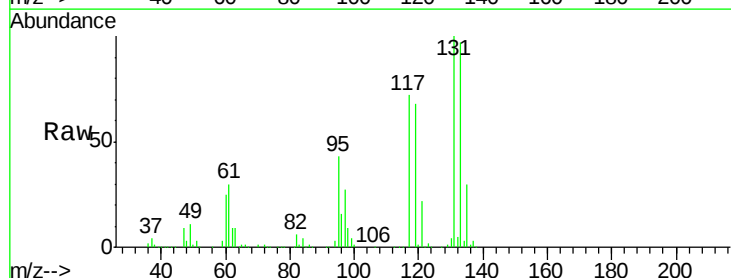
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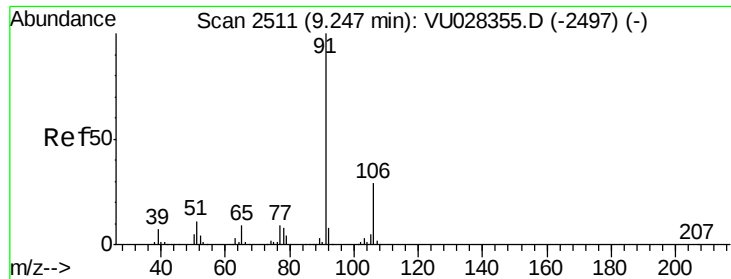
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 156.027 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Tgt Ion:131 Resp: 447609
Ion Ratio Lower Upper
131 100
133 95.7 47.3 141.8
119 68.6 34.1 102.2





#67

Ethyl Benzene

Concen: 157.801 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2487416

Ion Ratio Lower Upper

91 100

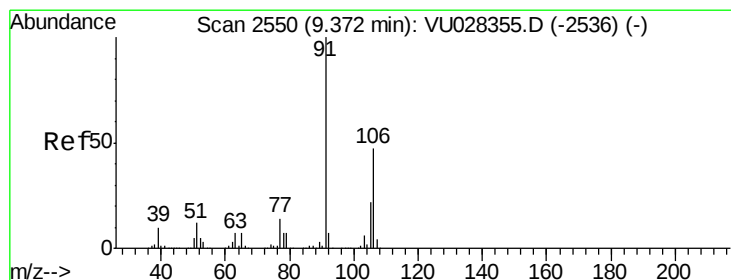
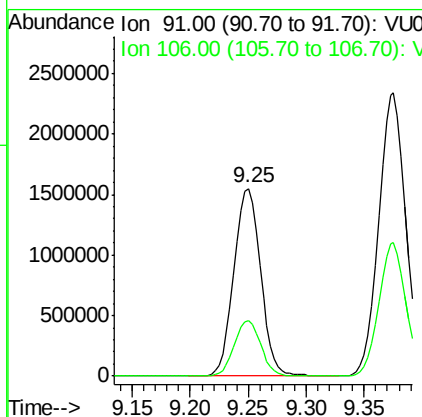
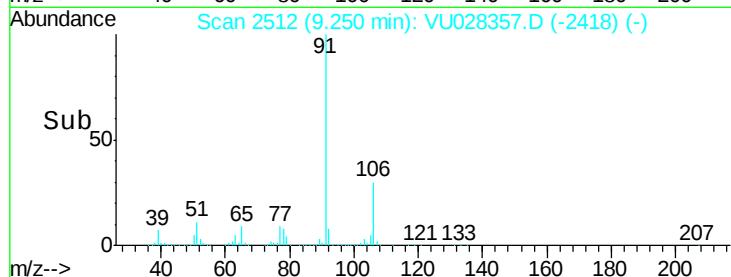
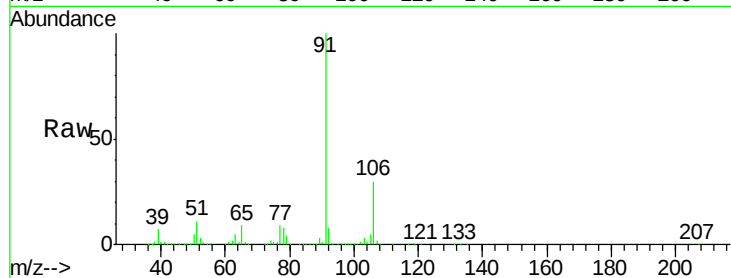
106 29.5 23.3 34.9

Manual Integrations

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11/29/2018 1:23:03 PM



#68

m/p-Xylenes

Concen: 318.223 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU028357.D

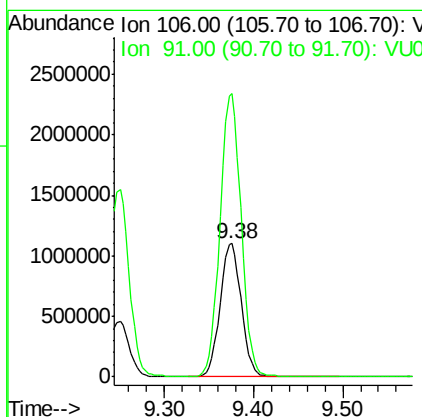
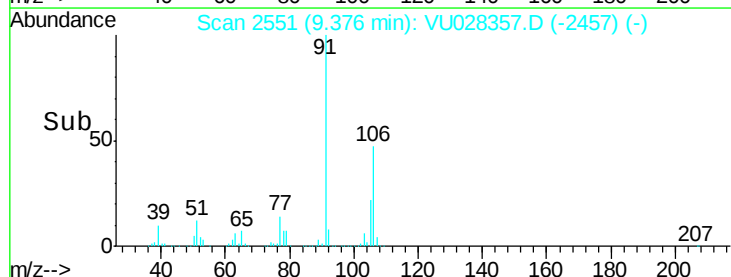
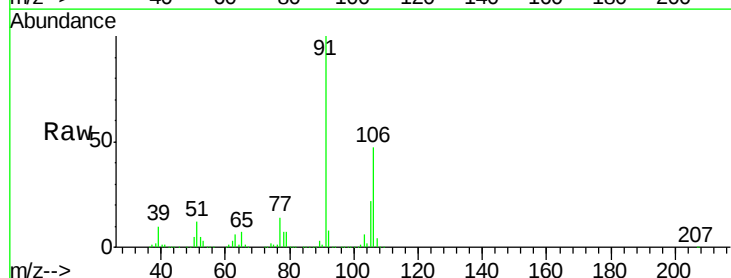
Acq: 28 Nov 2018 11:11

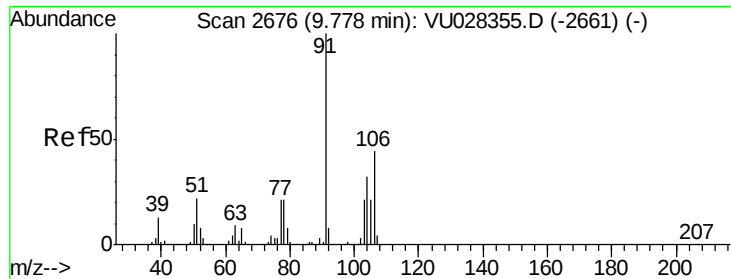
Tgt Ion: 106 Resp: 1805478

Ion Ratio Lower Upper

106 100

91 213.0 171.0 256.6





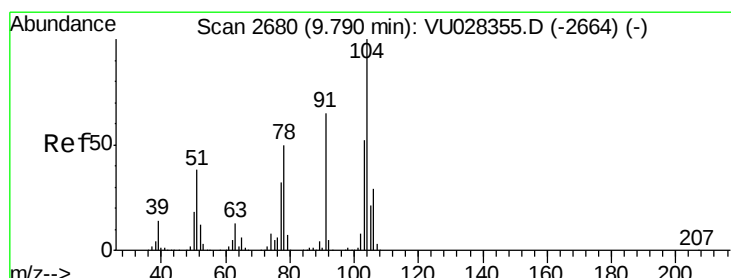
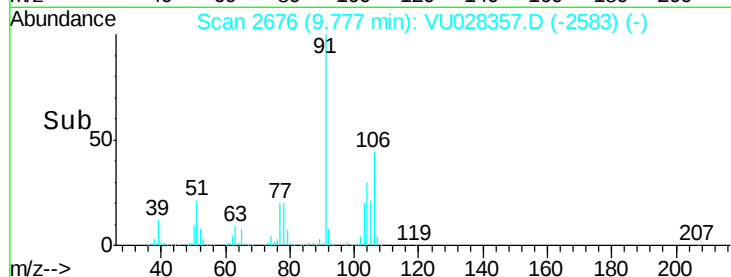
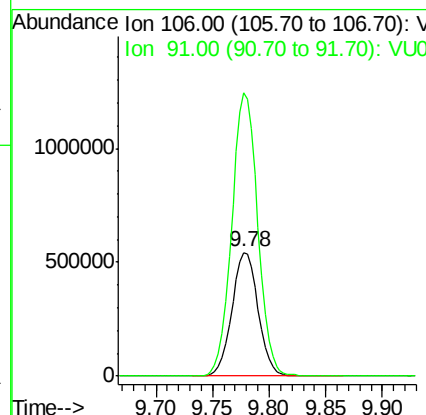
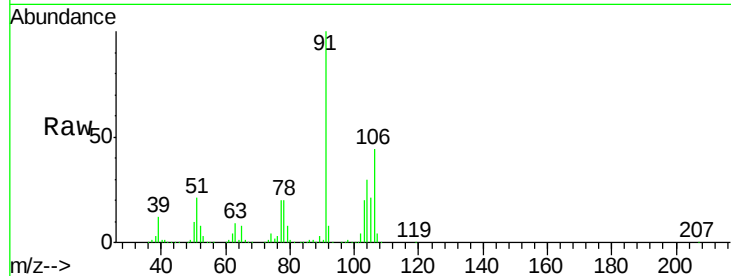
#69
o-Xylene
Concen: 155.230 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 875521
Ion Ratio Lower Upper
106 100
91 226.4 112.7 338.0

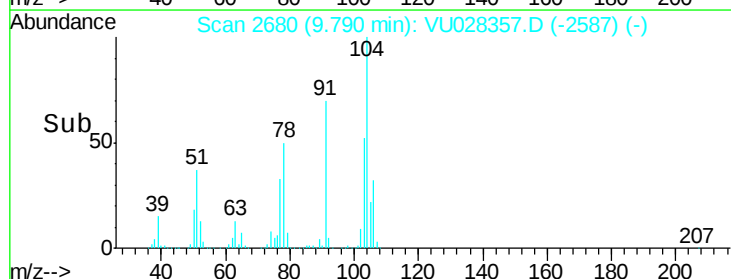
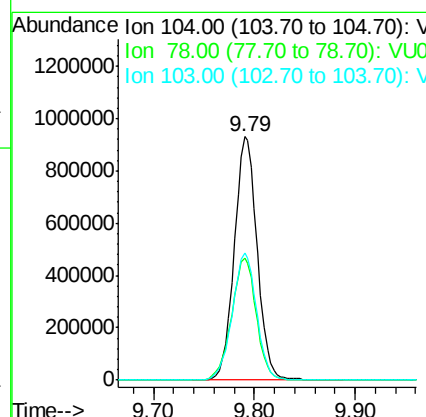
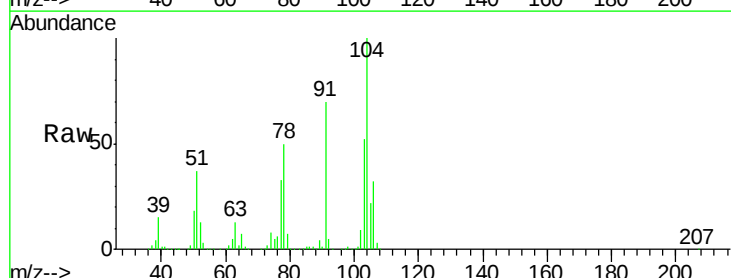
Manual Integrations
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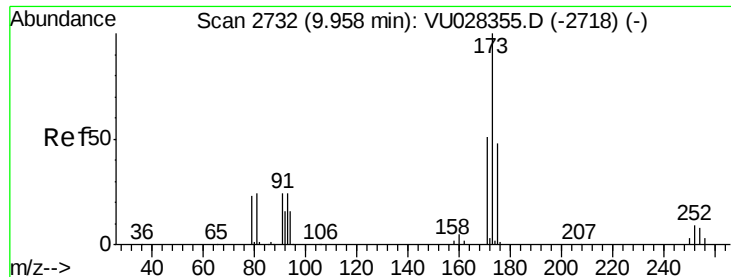
MMDadoda
11/29/2018 1:23:03 PM



#70
Styrene
Concen: 161.968 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Tgt Ion:104 Resp: 1473308
Ion Ratio Lower Upper
104 100
78 54.0 43.3 64.9
103 55.3 44.8 67.2





#71

Bromoform

Concen: 162.470 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

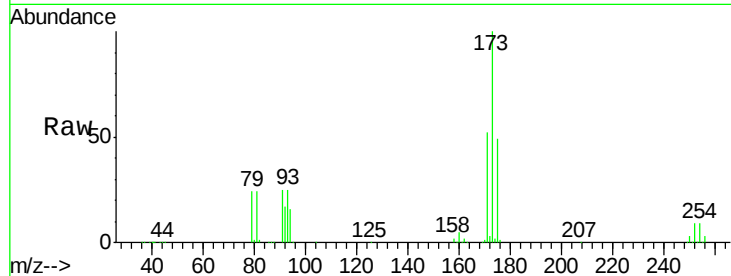
ClientSampleId :

VSTDIC150

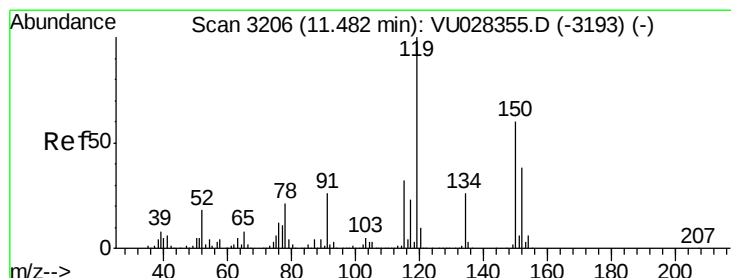
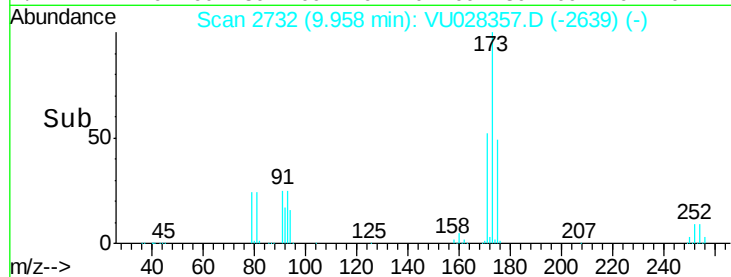
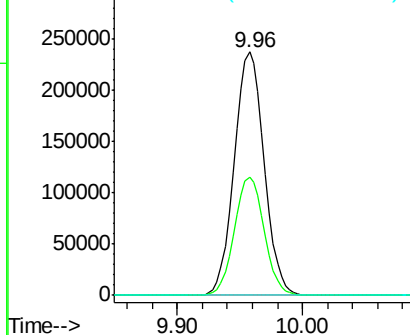
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.1	72.4
254	0.1	0.0	0.0#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

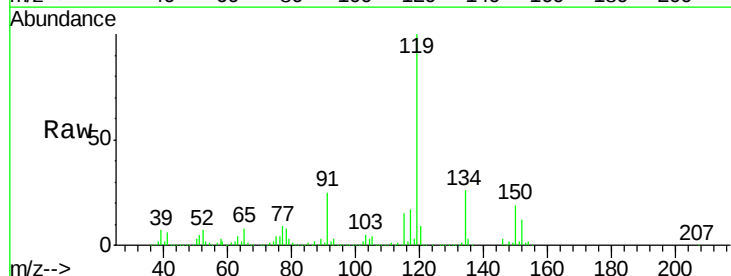
RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

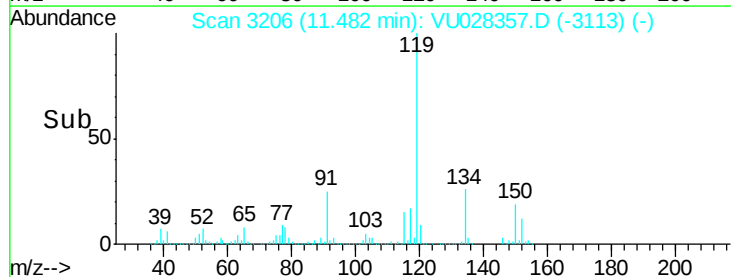
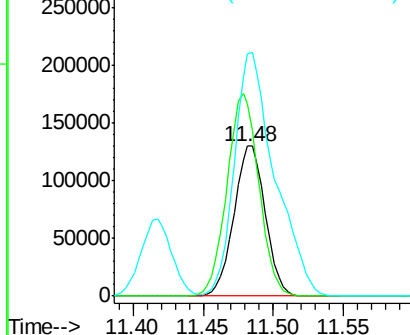
Lab File: VU028357.D

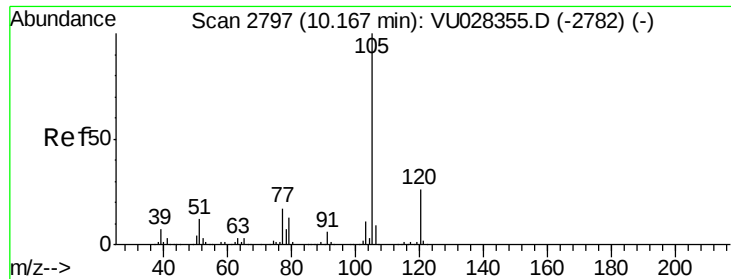
Acq: 28 Nov 2018 11:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	137.4	45.0	134.8#
150	209.4	0.0	349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 148.493 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2337914

Ion Ratio Lower Upper

105 100

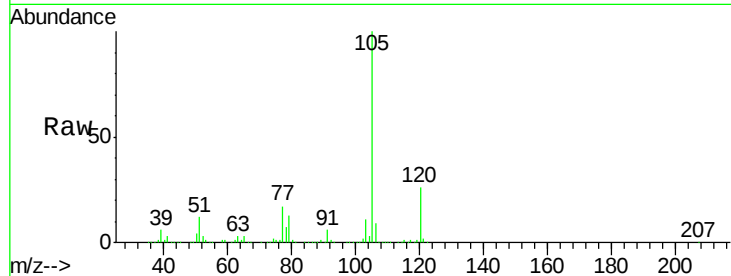
120 25.4 12.8 38.3

Manual Integrations

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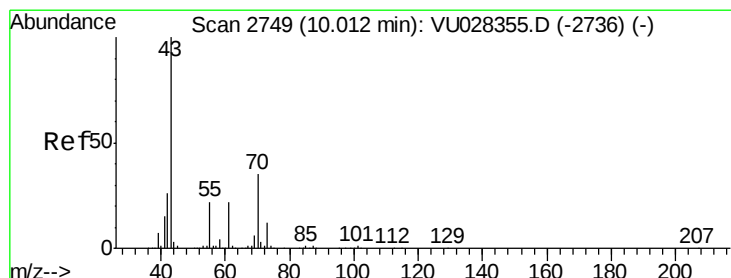
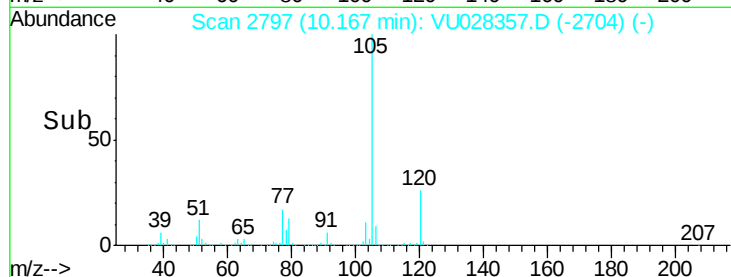
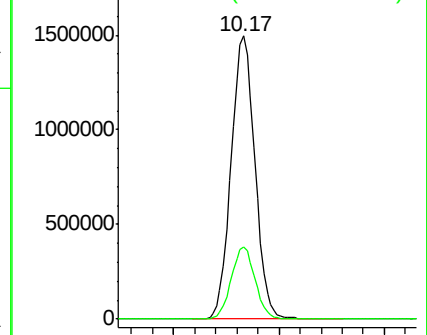
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 155.074 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Tgt Ion: 43 Resp: 1529707

Ion Ratio Lower Upper

43 100

70 36.0 28.4 42.6

55 22.3 18.0 27.0

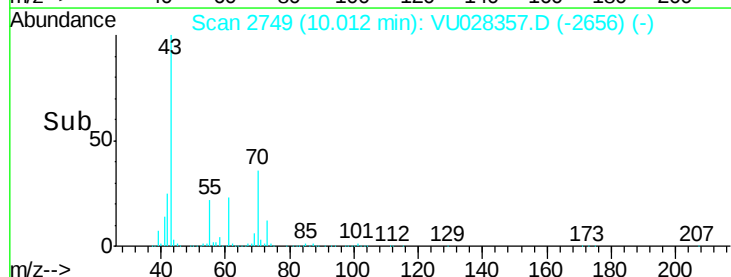
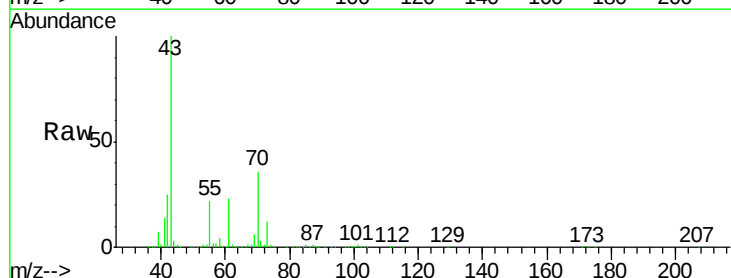
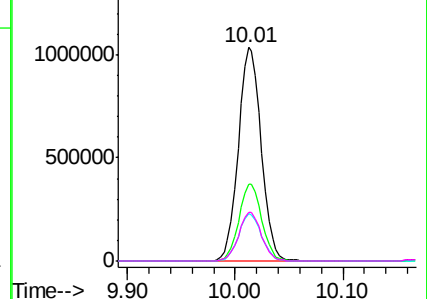
61 22.6 17.6 26.4

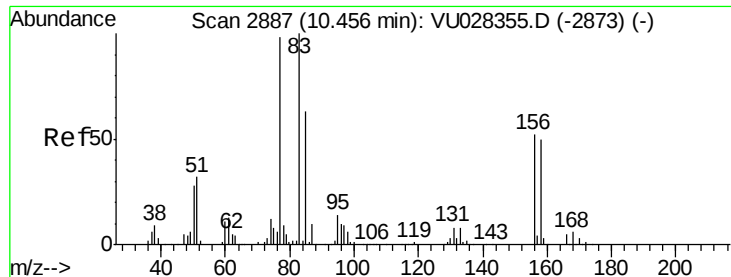
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 149.007 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 964738

Ion Ratio Lower Upper

83 100

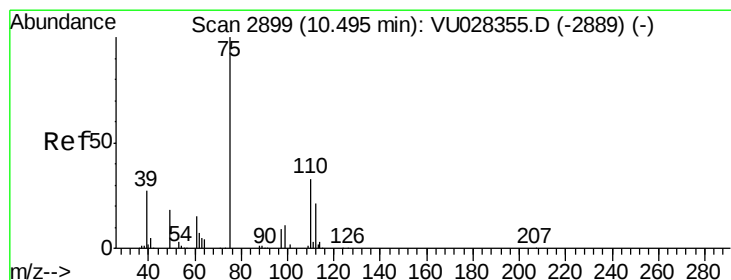
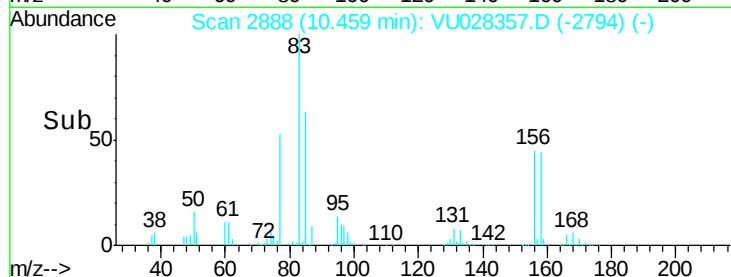
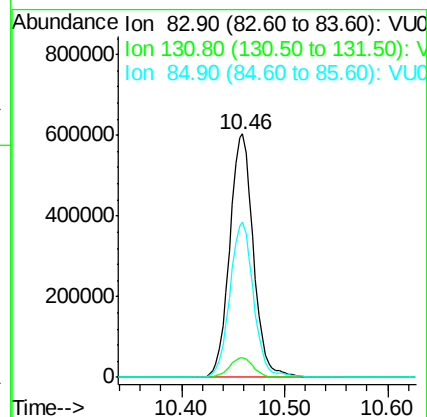
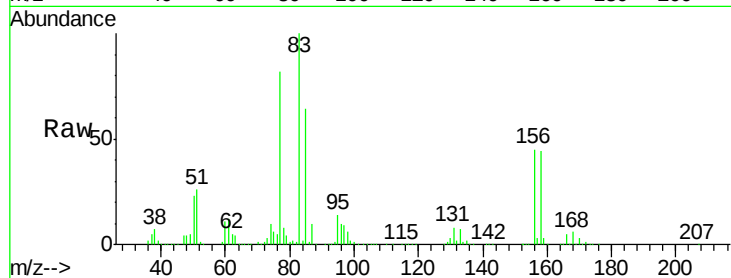
131 8.2 4.0 12.2

85 63.9 31.8 95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 147.690 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU028357.D

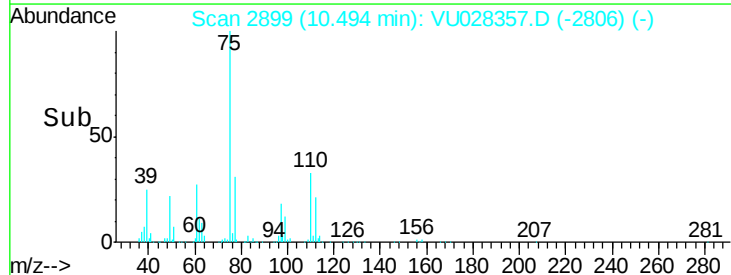
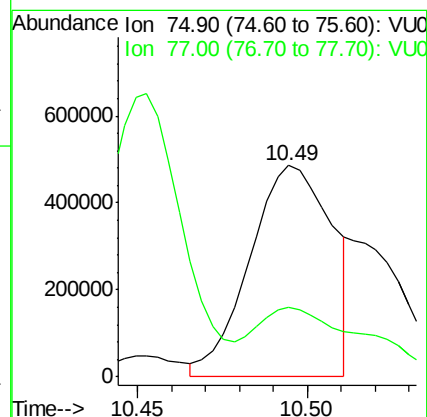
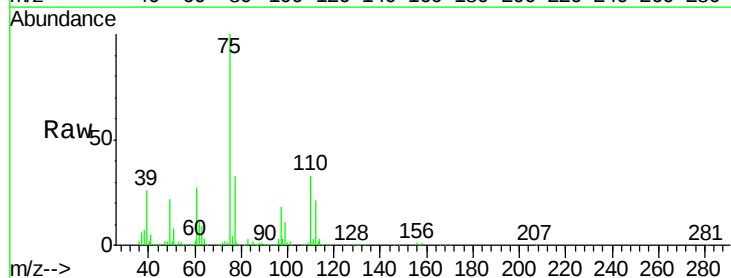
Acq: 28 Nov 2018 11:11

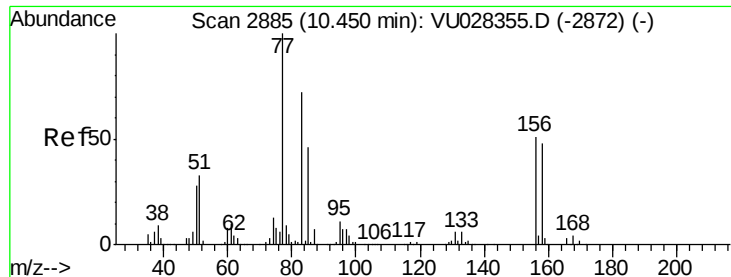
Tgt Ion: 75 Resp: 818568

Ion Ratio Lower Upper

75 100

77 44.2 22.4 67.0





#77

Bromobenzene

Concen: 146.327 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

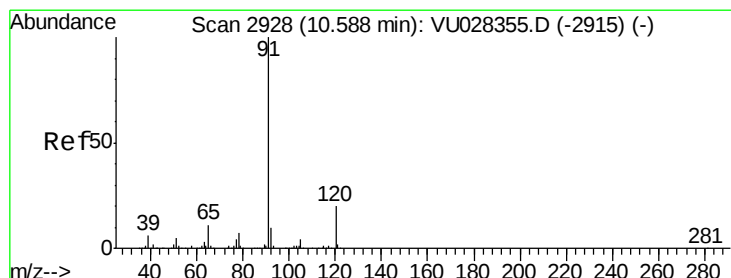
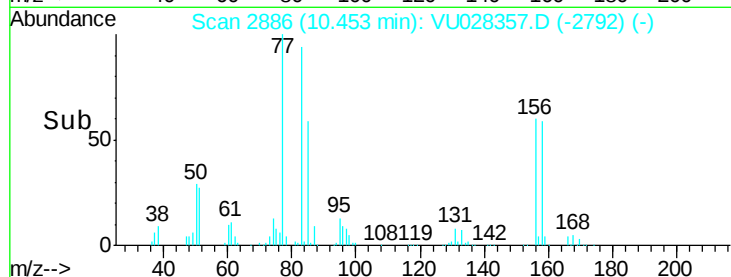
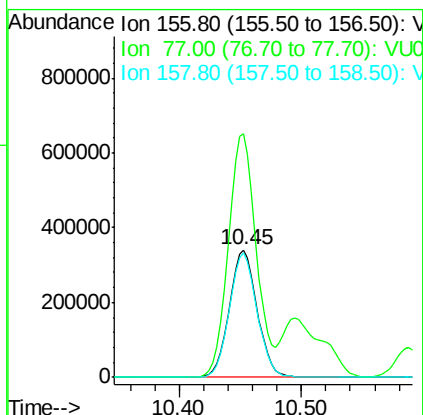
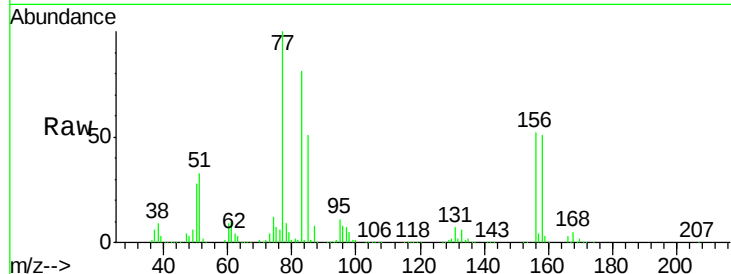
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.6	97.0	290.9
158	96.8	46.8	140.4

Manual Integrations
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#78

n-propylbenzene

Concen: 151.150 ug/l

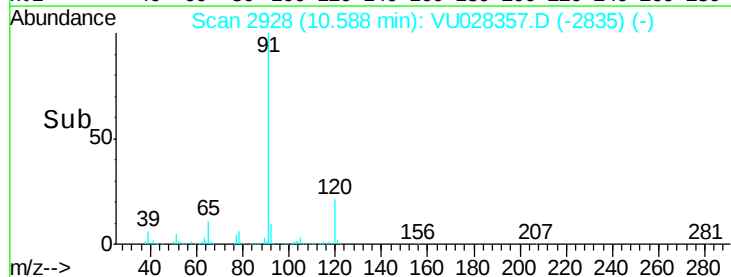
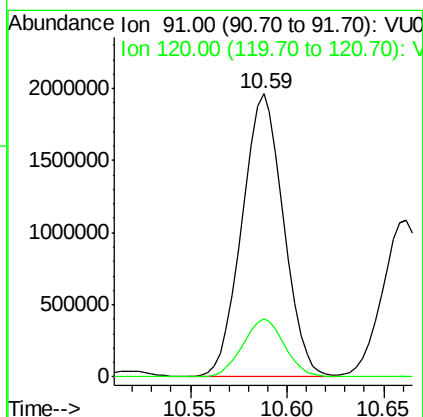
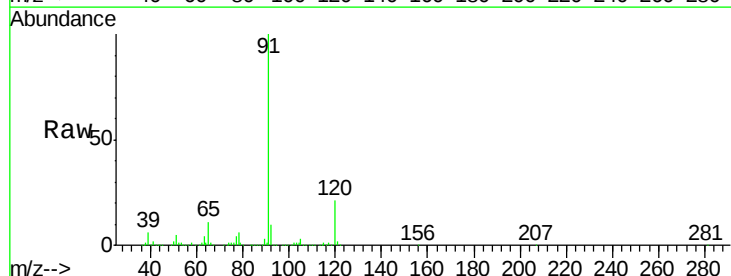
RT: 10.59 min Scan# 2928

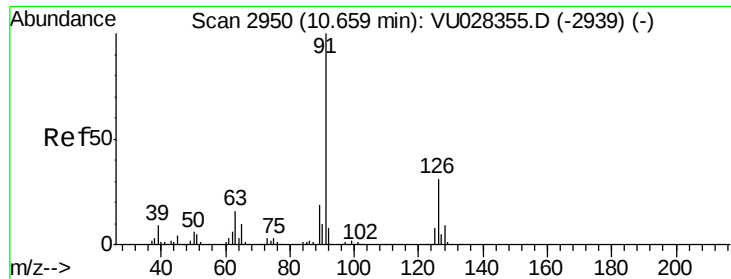
Delta R.T. -0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.6	10.3	30.8





#79

2-Chlorotoluene

Concen: 146.631 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1678874

Ion Ratio Lower Upper

91 100

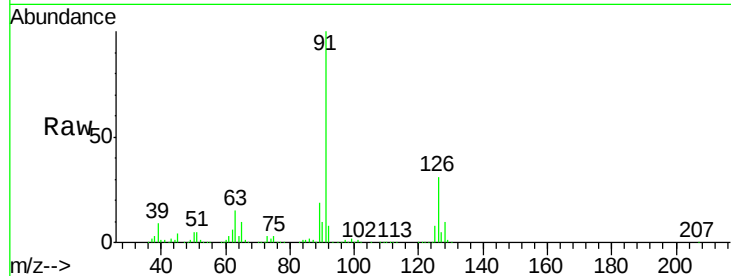
126 31.2 15.4 46.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU028357.D (-2857) (-)

Ion 125.90 (125.60 to 126.60): VU028357.D (-2857) (-)

2000000

1500000

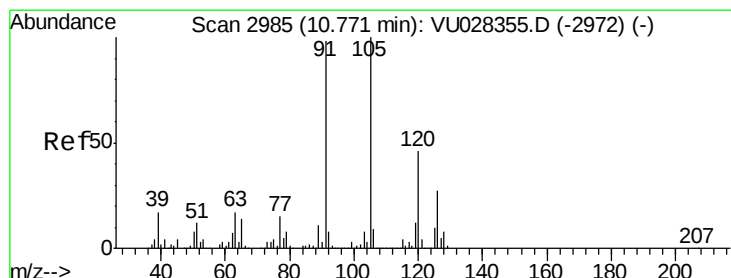
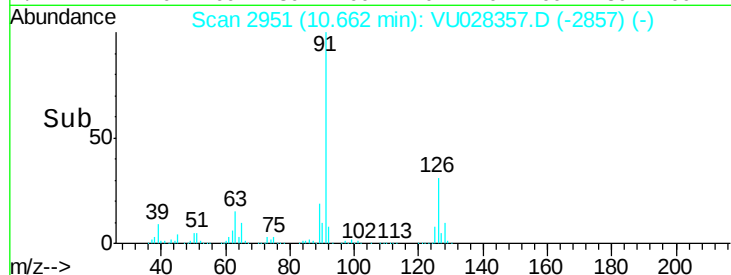
1000000

500000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 148.650 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028357.D

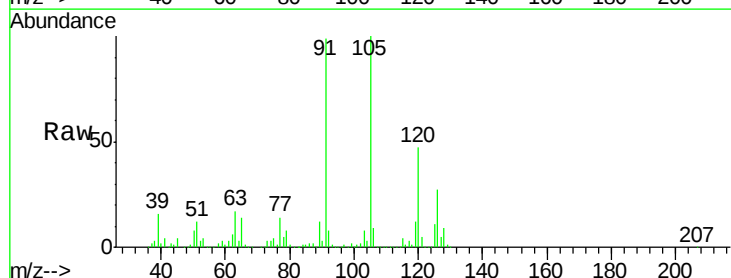
Acq: 28 Nov 2018 11:11

Tgt Ion: 105 Resp: 1972243

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VU028357.D (-2892) (-)

Ion 120.00 (119.70 to 120.70): VU028357.D (-2892) (-)

1500000

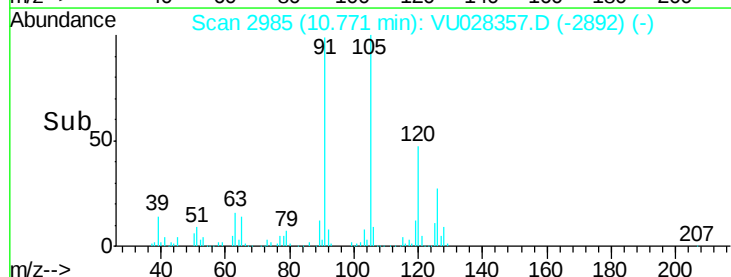
1000000

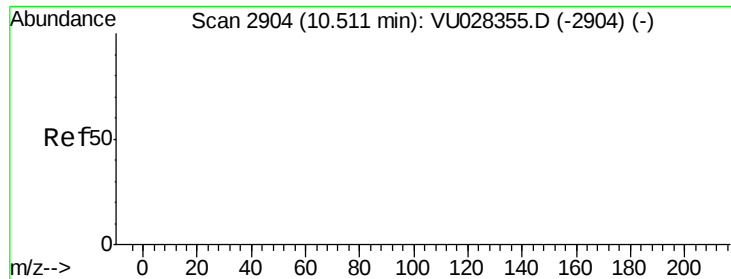
500000

0

10.70 10.80

Time-->





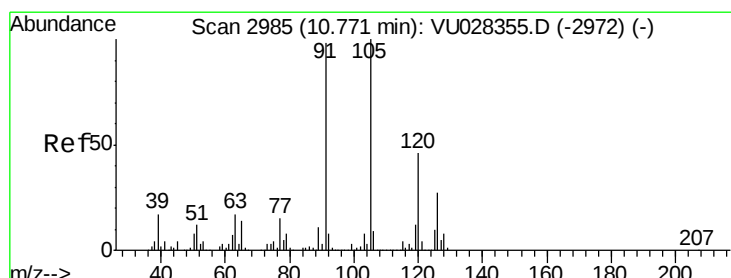
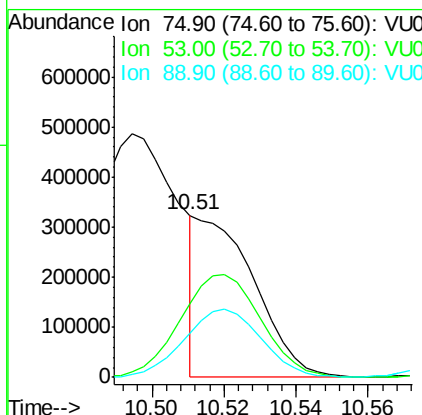
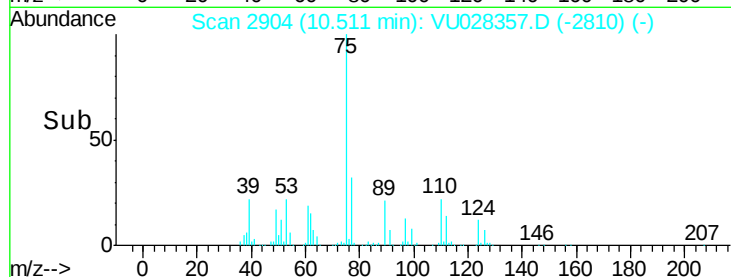
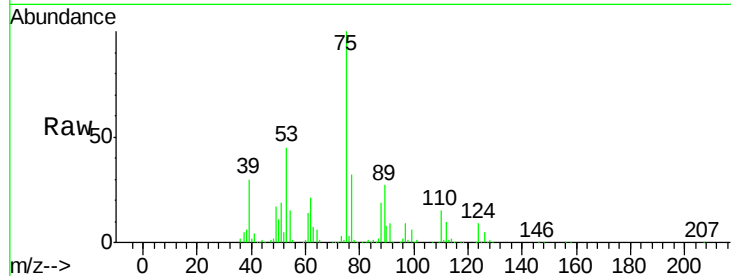
#81
trans-1,4-Dichloro-2-butene
Concen: 130.383 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

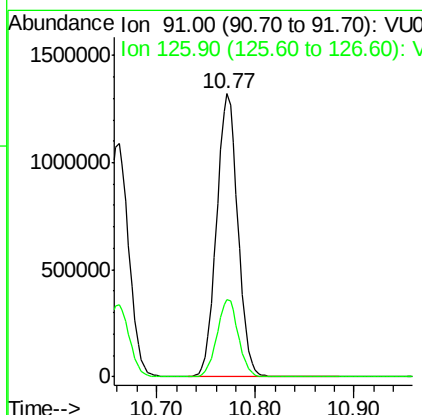
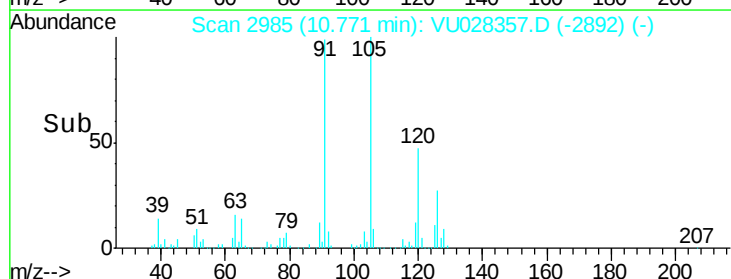
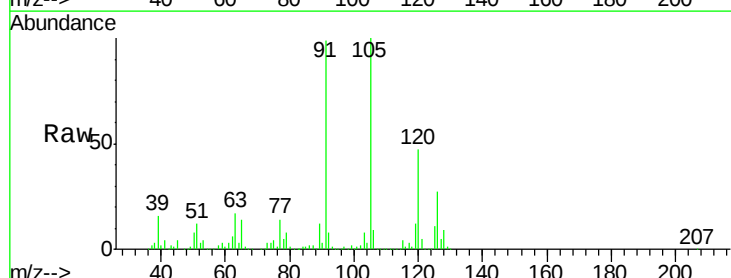
Manual Integrations
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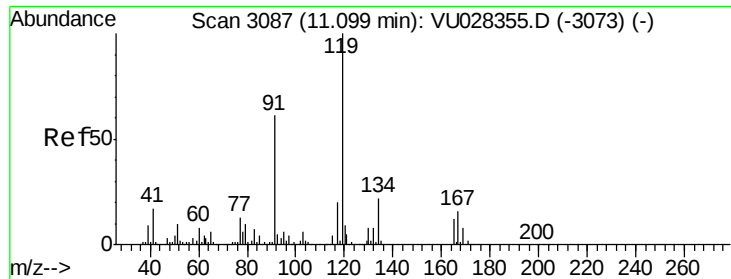
MMDadoda
11/29/2018 1:23:03 PM



#82
4-Chlorotoluene
Concen: 151.374 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.3	13.9	41.6





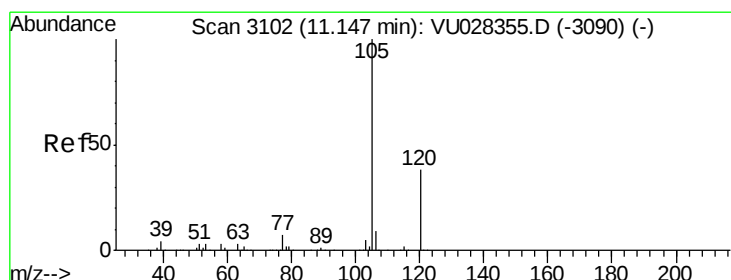
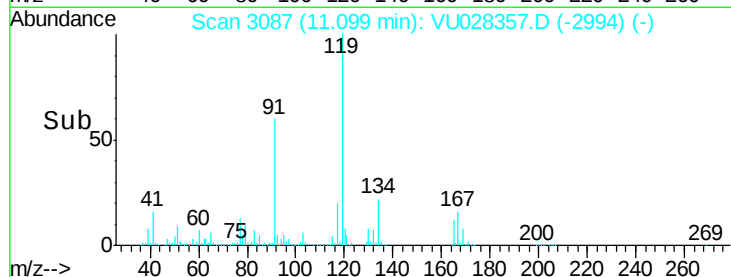
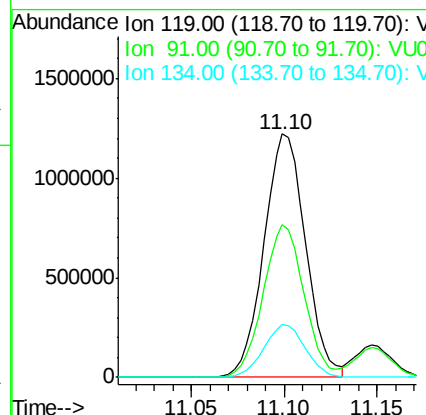
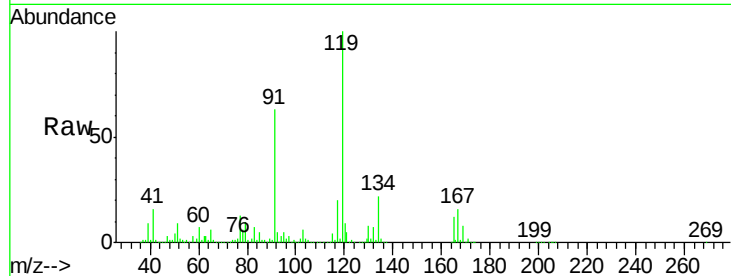
#83
 tert-Butylbenzene
 Concen: 153.689 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028357.D
 Acq: 28 Nov 2018 11:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.5	30.8	92.4
134	21.6	11.1	33.1

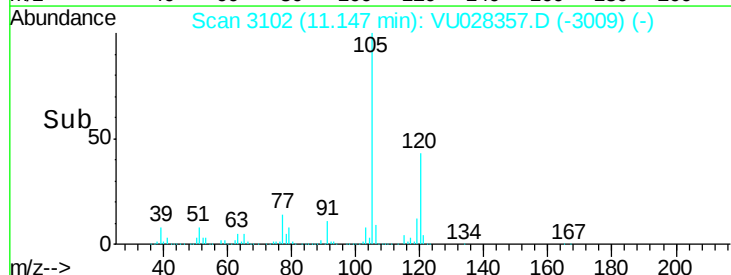
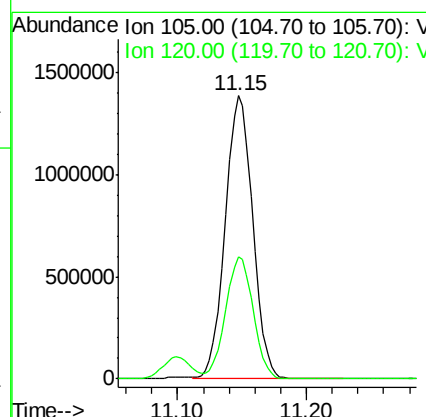
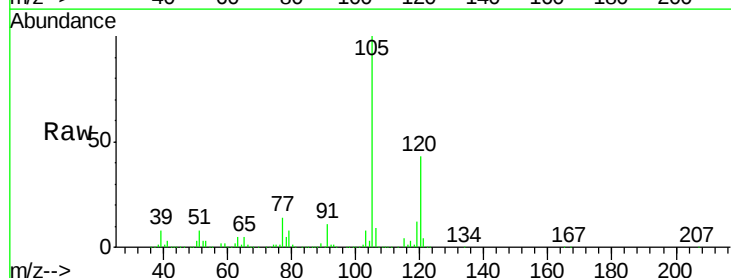
Manual Integrations
 APPROVED

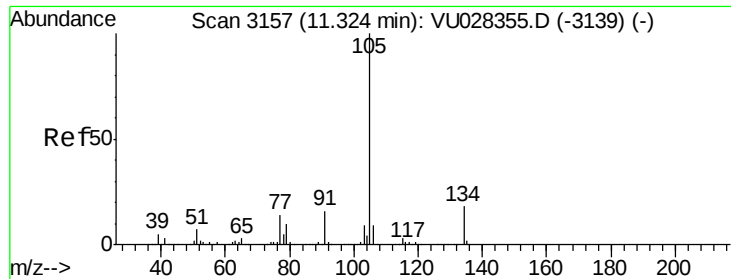
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 152.050 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028357.D
 Acq: 28 Nov 2018 11:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.4	64.3





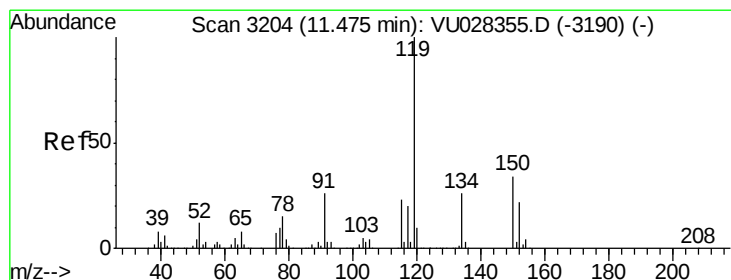
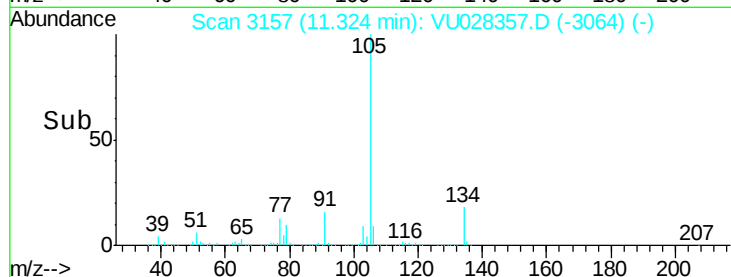
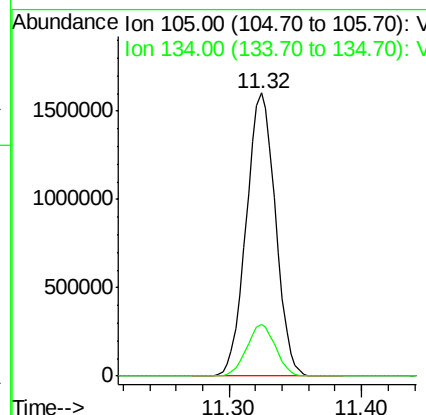
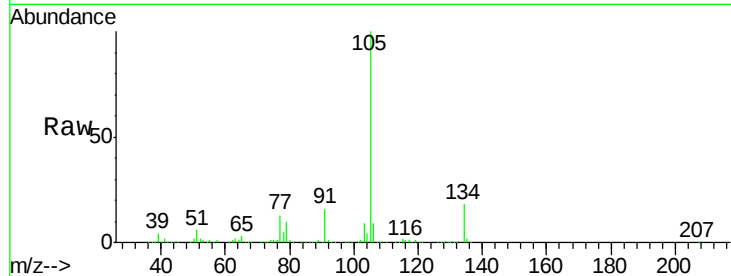
#85
 sec-Butylbenzene
 Concen: 152.125 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU028357.D
 Acq: 28 Nov 2018 11:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 2443767
 Ion Ratio Lower Upper
 105 100
 134 18.1 9.3 27.7

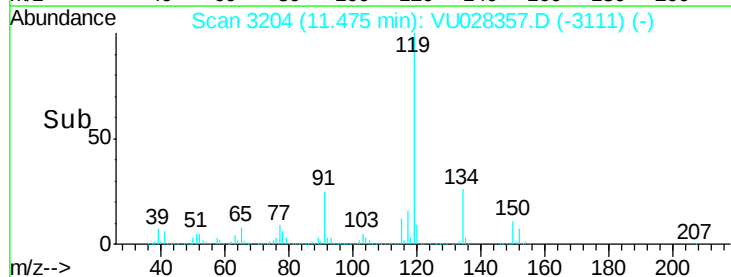
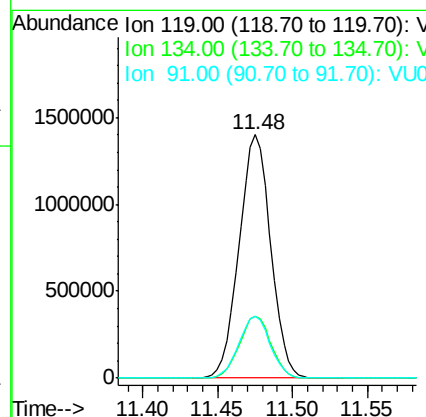
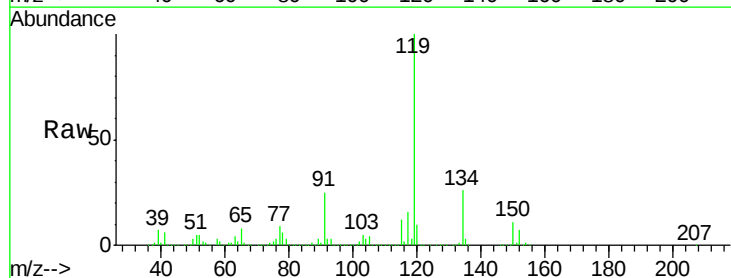
Manual Integrations
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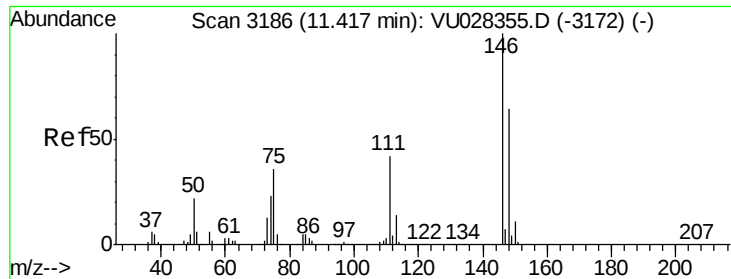
MMDadoda
 11/29/2018 1:23:03 PM



#86
 p-Isopropyltoluene
 Concen: 155.492 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028357.D
 Acq: 28 Nov 2018 11:11

Tgt Ion:119 Resp: 2053871
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.3
 91 25.4 13.1 39.1





#87

1,3-Dichlorobenzene

Concen: 150.727 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1019866

Ion Ratio Lower Upper

146 100

111 41.2 20.8 62.4

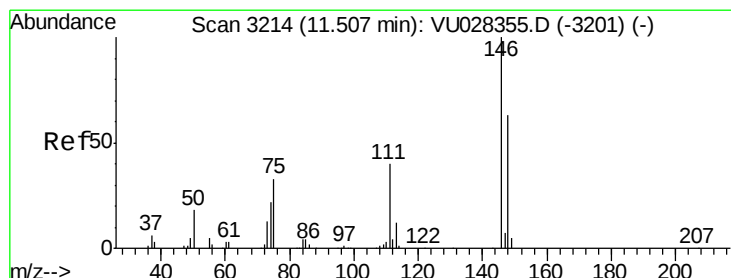
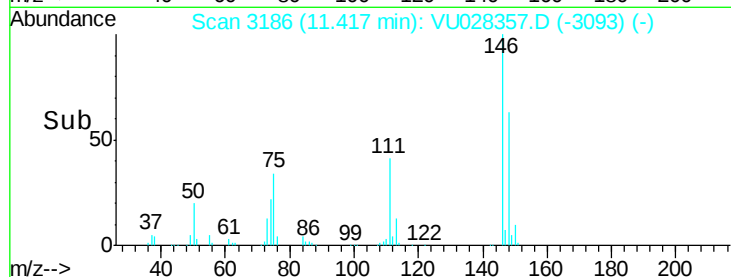
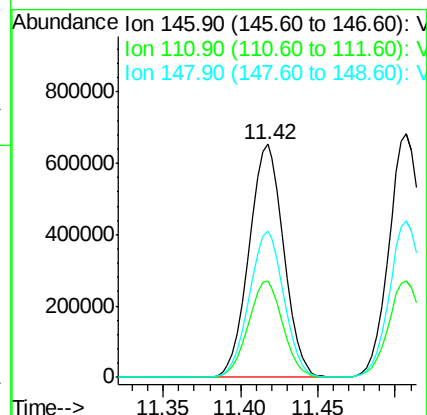
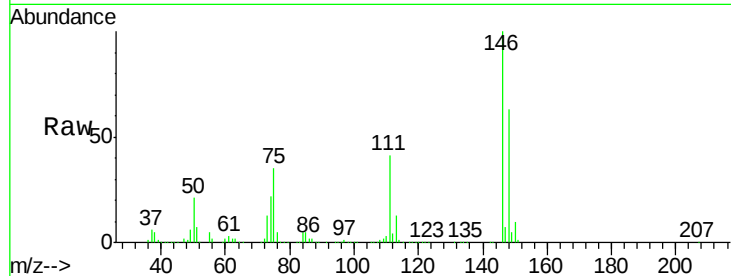
148 62.7 31.8 95.3

Manual Integrations

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11/29/2018 1:23:03 PM



#88

1,4-Dichlorobenzene

Concen: 150.973 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

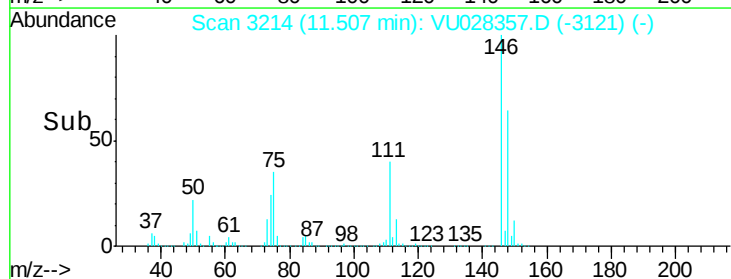
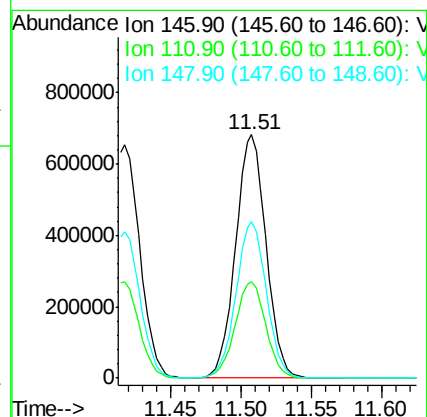
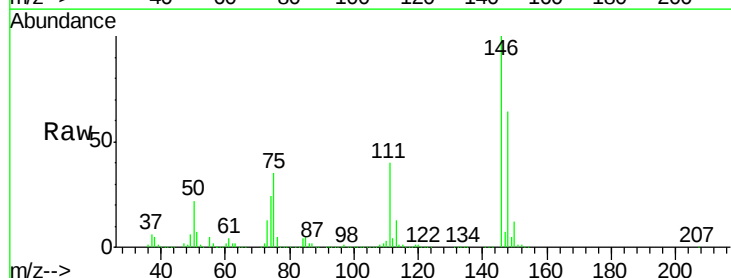
Tgt Ion:146 Resp: 1028078

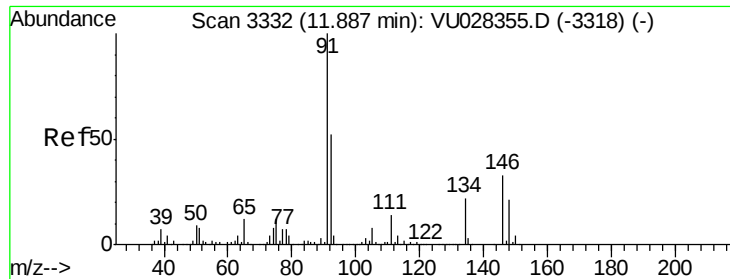
Ion Ratio Lower Upper

146 100

111 40.1 20.6 61.9

148 64.1 31.1 93.5





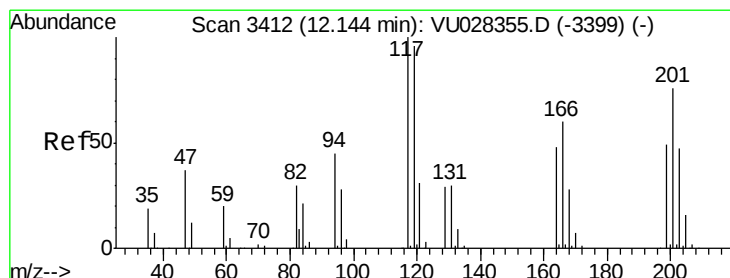
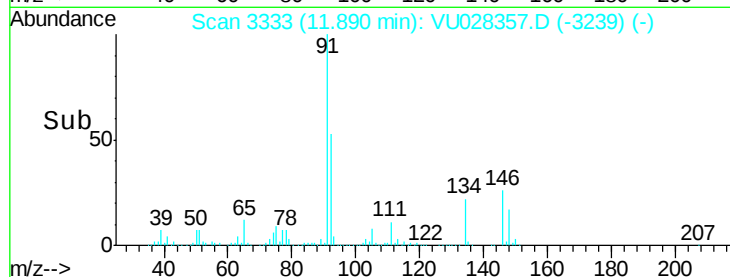
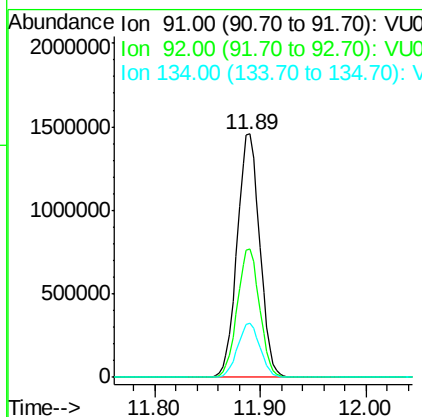
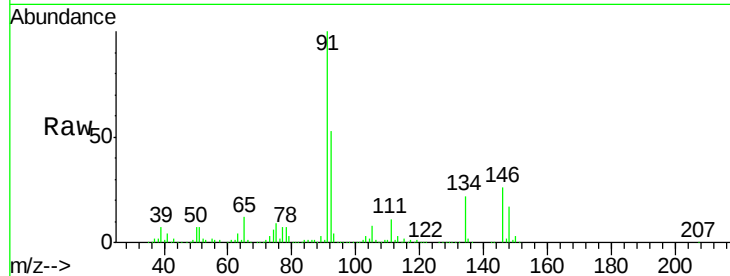
#89
n-Butylbenzene
Concen: 165.299 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2154877
Ion Ratio Lower Upper
91 100
92 52.3 26.2 78.5
134 22.1 11.1 33.1

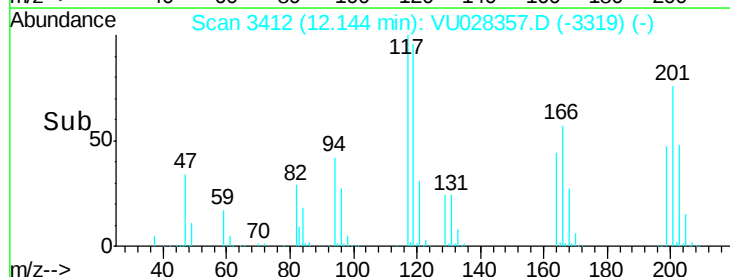
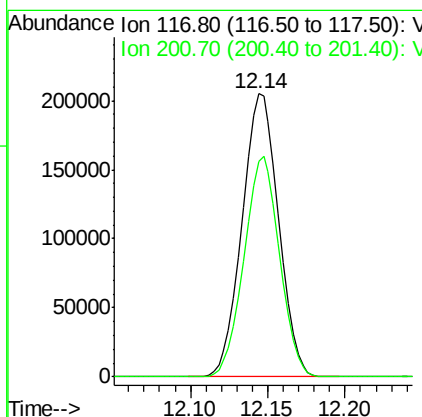
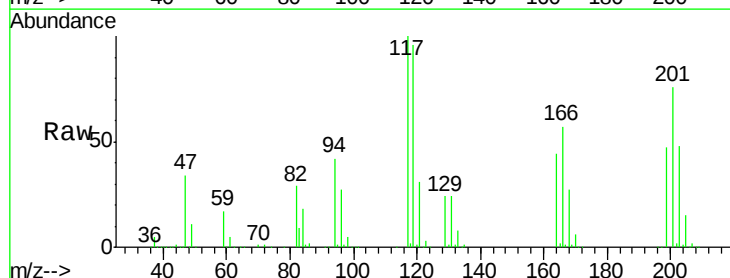
Manual Integrations
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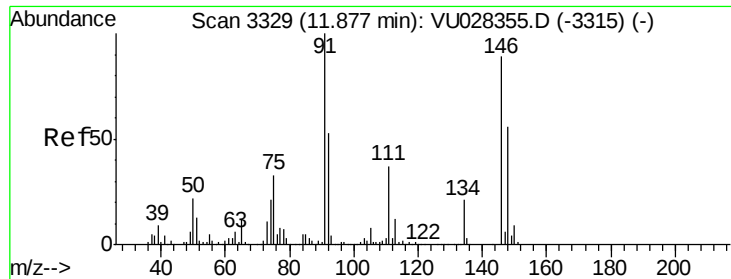
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#90
Hexachloroethane
Concen: 163.076 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028357.D
Acq: 28 Nov 2018 11:11

Tgt Ion: 117 Resp: 336293
Ion Ratio Lower Upper
117 100
201 75.7 37.7 113.1





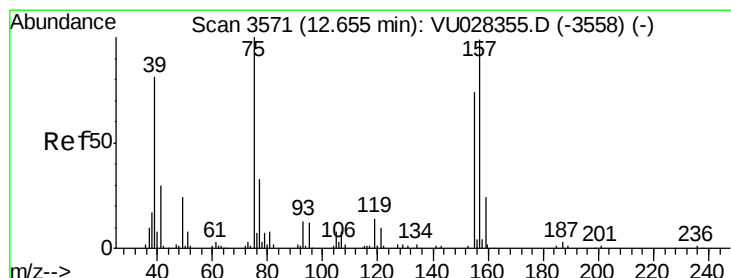
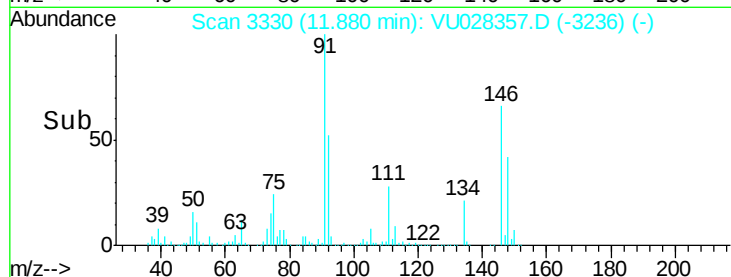
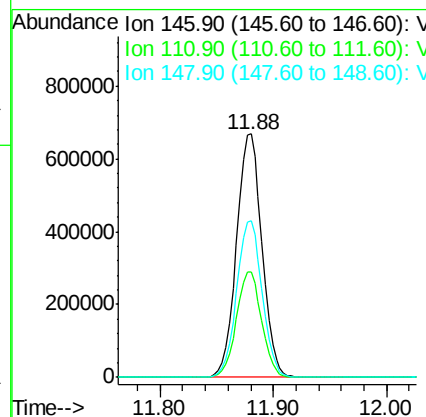
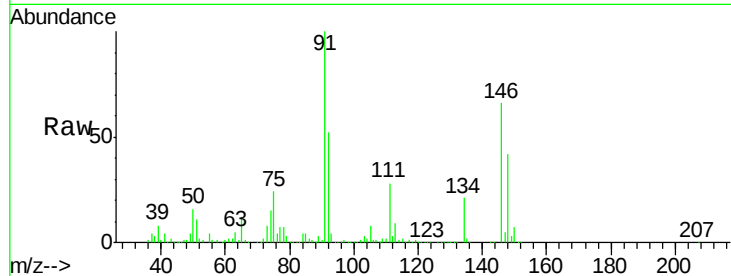
#91
 1,2-Dichlorobenzene
 Concen: 154.596 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028357.D
 Acq: 28 Nov 2018 11:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1043654
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.4 64.3
 148 64.4 32.2 96.6

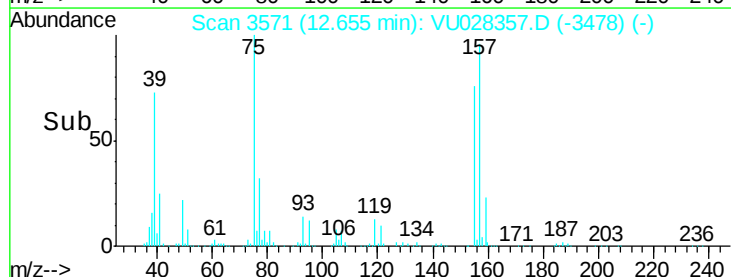
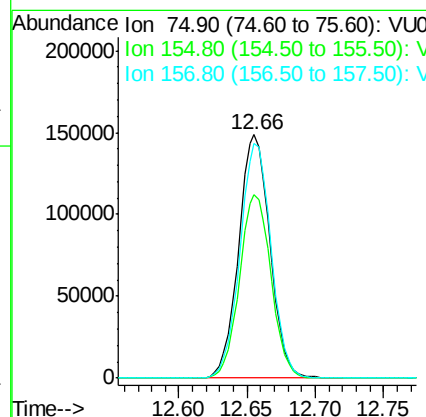
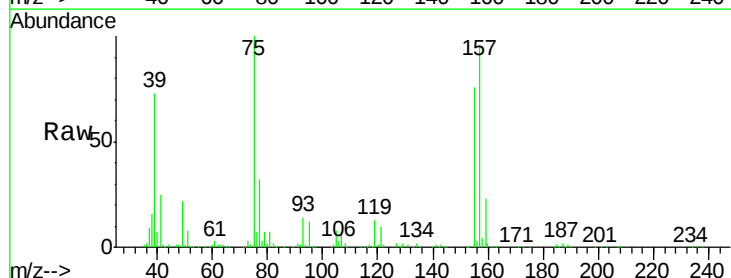
Manual Integrations
 APPROVED

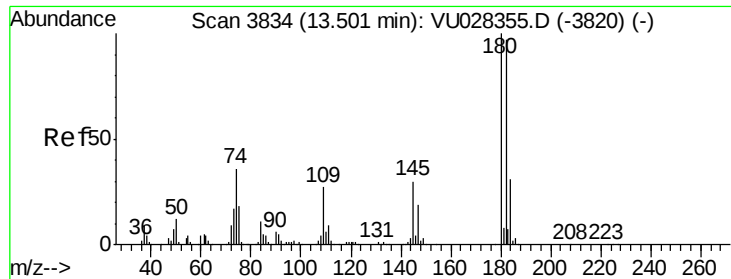
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 164.467 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028357.D
 Acq: 28 Nov 2018 11:11

Tgt Ion: 75 Resp: 236855
 Ion Ratio Lower Upper
 75 100
 155 75.7 36.9 110.7
 157 95.7 47.5 142.5





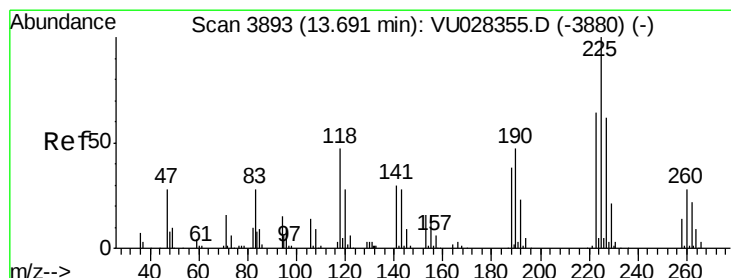
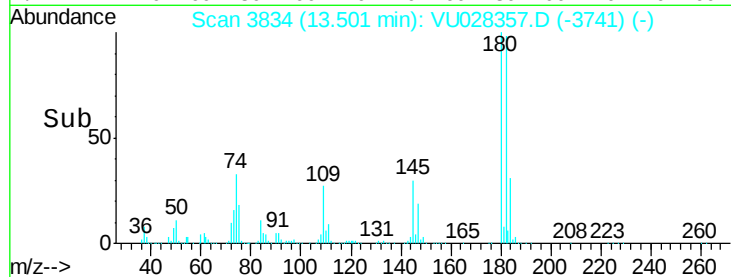
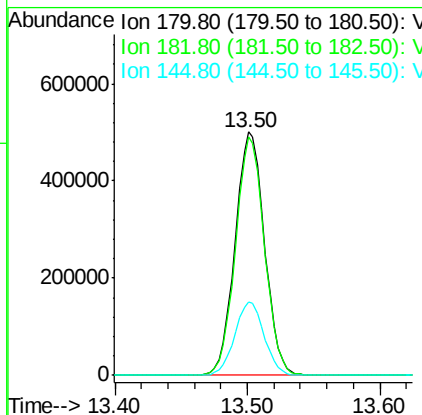
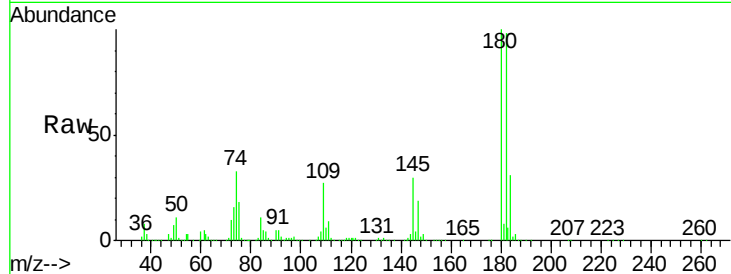
#93
 1,2,4-Trichlorobenzene
 Concen: 174.485 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028357.D
 Acq: 28 Nov 2018 11:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	771022		
182	96.1	48.3	144.9	
145	30.1	15.2	45.5	

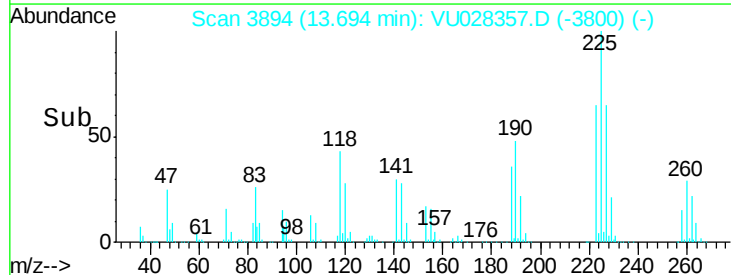
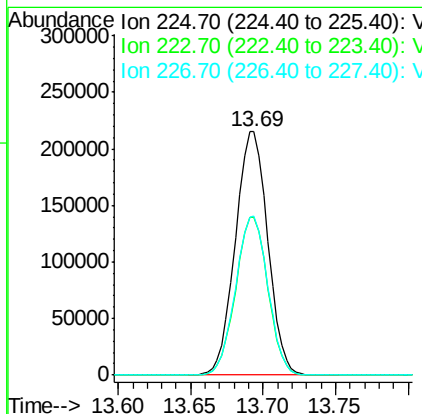
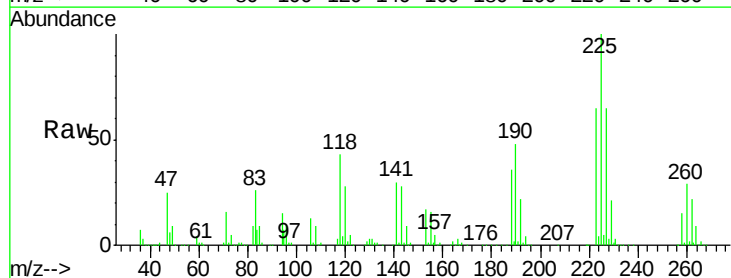
Manual Integrations
 APPROVED

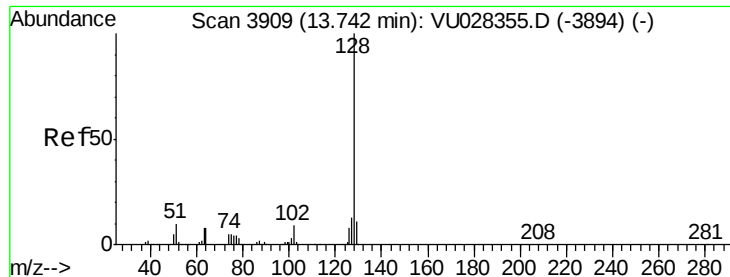
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#94
 Hexachlorobutadiene
 Concen: 160.416 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU028357.D
 Acq: 28 Nov 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	334719		
223	64.3	31.6	94.7	
227	64.8	30.8	92.4	





#95

Naphthalene

Concen: 181.912 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 2733696

Ion Ratio Lower Upper

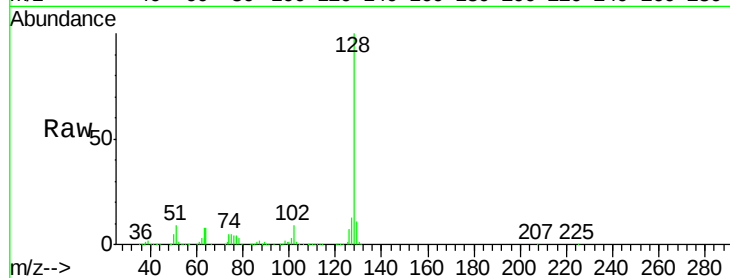
128 100

127 13.2 10.6 15.8

129 10.9 8.6 12.8

Manual Integrations
APPROVED

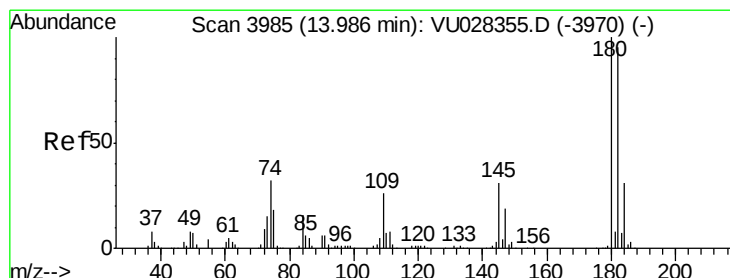
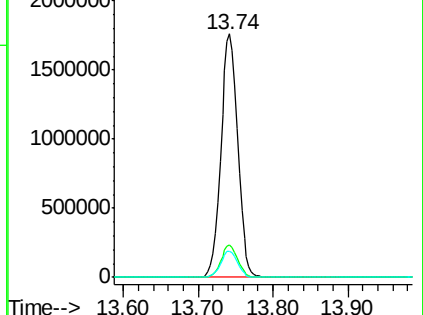
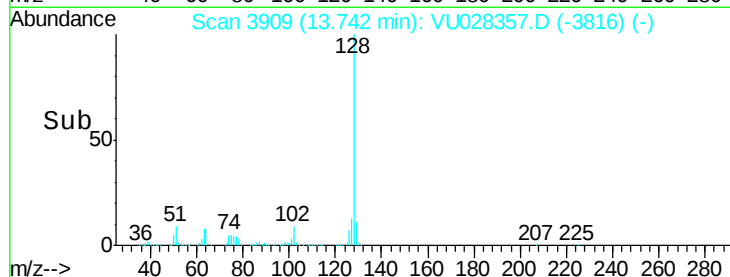
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 174.299 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU028357.D

Acq: 28 Nov 2018 11:11

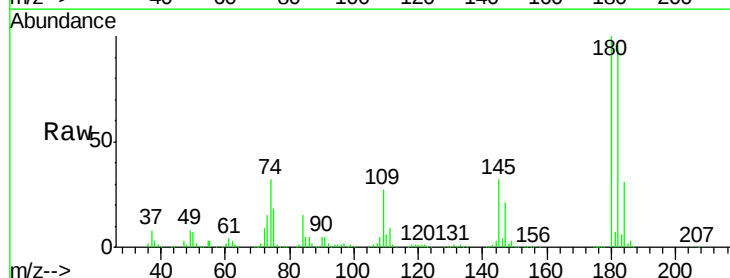
Tgt Ion:180 Resp: 778968

Ion Ratio Lower Upper

180 100

182 95.6 47.7 143.1

145 31.7 15.7 47.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

