

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112818\
 Data File : VU028354.D
 Acq On : 28 Nov 2018 09:59
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 1:22:49 PM

Quant Time: Nov 29 00:48:40 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	217232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	381167	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	350472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	155567	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	69478	19.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.28%	
35) Dibromofluoromethane	4.88	113	49818	19.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.32%	
50) Toluene-d8	7.56	98	196174	19.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.70%	
62) 4-Bromofluorobenzene	10.30	95	67028	18.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.70%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.21	85	56058	19.237	ug/l	97
3) Chloromethane	1.33	50	104652	18.527	ug/l	98
4) Vinyl Chloride	1.40	62	73855	18.688	ug/l	99
5) Bromomethane	1.61	94	25045	16.385	ug/l	99
6) Chloroethane	1.69	64	43024	18.919	ug/l	97
7) Trichlorofluoromethane	1.88	101	78229	19.057	ug/l	99
8) Diethyl Ether	2.10	74	35696	18.705	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	44186	18.477	ug/l	97
10) Methyl Iodide	2.41	142	42654	18.915	ug/l	100
11) Tert butyl alcohol	2.83	59	77356	93.790	ug/l	100
12) 1,1-Dichloroethene	2.28	96	43630	18.800	ug/l	97
13) Acrolein	2.19	56	71271	97.199	ug/l	100
14) Allyl chloride	2.59	41	114847	18.941	ug/l	100
15) Acrylonitrile	2.94	53	211438	96.914	ug/l	100
16) Acetone	2.32	43	216164	97.333	ug/l	99
17) Carbon Disulfide	2.48	76	161978	18.184	ug/l	99
18) Methyl Acetate	2.61	43	115451	18.671	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	179058	18.820	ug/l	98
20) Methylene Chloride	2.70	84	60633	17.647	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	50216	18.658	ug/l	97
22) Diisopropyl ether	3.57	45	229450	19.232	ug/l	96
23) Vinyl Acetate	3.52	43	956459	96.393	ug/l	99
24) 1,1-Dichloroethane	3.44	63	114811	19.507	ug/l	98
25) 2-Butanone	4.26	43	306013	96.144	ug/l	100
26) 2,2-Dichloropropane	4.22	77	88709	18.979	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	58651	18.426	ug/l	98
28) Bromochloromethane	4.55	49	58347	19.827	ug/l	99
29) Tetrahydrofuran	4.64	42	203739	98.591	ug/l	100
30) Chloroform	4.67	83	101669	18.715	ug/l	98
31) Cyclohexane	4.99	56	116169	16.629	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	83672	19.195	ug/l	99
36) 1,1-Dichloropropene	5.14	75	76073	18.238	ug/l	99
37) Ethyl Acetate	4.38	43	115577	20.333	ug/l	100
38) Carbon Tetrachloride	5.13	117	65216	19.040	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	92351	18.779	ug/l	99
40) Benzene	5.39	78	242923	19.664	ug/l	99
41) Methacrylonitrile	4.54	41	62700	19.863	ug/l	97
42) 1,2-Dichloroethane	5.40	62	84374	18.959	ug/l	98
43) Isopropyl Acetate	5.55	43	174842	19.411	ug/l	98
44) Trichloroethene	6.19	130	49658	18.753	ug/l	99
45) 1,2-Dichloropropane	6.43	63	71964	19.892	ug/l	93
46) Dibromomethane	6.56	93	40774	19.622	ug/l	97
47) Bromodichloromethane	6.76	83	78710	19.043	ug/l	96
48) Methyl methacrylate	6.62	41	87848	18.723	ug/l	99
49) 1,4-Dioxane	6.61	88	28745	383.492	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	554158	96.326	ug/l	100
52) Toluene	7.64	92	137687	19.355	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	94002	19.020	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	97678	18.448	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	56254	19.000	ug/l	98
56) Ethyl methacrylate	8.02	69	94336	18.729	ug/l	97
57) 1,3-Dichloropropane	8.24	76	103228	19.013	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.12	63	264077	97.655	ug/l	100
59) 2-Hexanone	8.36	43	428016	96.049	ug/l	100
60) Dibromochloromethane	8.48	129	54286	19.279	ug/l	98
61) 1,2-Dibromoethane	8.58	107	59022	19.464	ug/l	98
64) Tetrachloroethene	8.22	164	43628	18.924	ug/l	97
65) Chlorobenzene	9.12	112	140406	19.294	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	47470	19.030	ug/l	99
67) Ethyl Benzene	9.25	91	259589	18.939	ug/l	99
68) m/p-Xylenes	9.37	106	182114	36.915	ug/l	96
69) o-Xylene	9.78	106	92380	18.837	ug/l	99
70) Styrene	9.79	104	149237	18.868	ug/l	99
71) Bromoform	9.96	173	39479	18.829	ug/l #	98
73) Isopropylbenzene	10.16	105	242863	20.073	ug/l	100
74) N-amyl acetate	10.01	43	150431	19.844	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	99108	19.919	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	89185m	20.939	ug/l	
77) Bromobenzene	10.45	156	56394	19.781	ug/l	98
78) n-propylbenzene	10.58	91	296828	19.887	ug/l	100
79) 2-Chlorotoluene	10.66	91	179992	20.456	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	203032	19.913	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	31123m	15.021	ug/l	
82) 4-Chlorotoluene	10.77	91	200800	19.807	ug/l	98
83) tert-Butylbenzene	11.10	119	190278	20.019	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	206777	20.022	ug/l	99
85) sec-Butylbenzene	11.32	105	245809	19.911	ug/l	100
86) p-Isopropyltoluene	11.48	119	199600	19.663	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	99227	19.083	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	99441	19.002	ug/l	97
89) n-Butylbenzene	11.89	91	187129	18.679	ug/l	99
90) Hexachloroethane	12.14	117	31626	19.956	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	99964	19.269	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	22296	20.146	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	62245	18.330	ug/l	98
94) Hexachlorobutadiene	13.69	225	29221	18.223	ug/l	94
95) Naphthalene	13.74	128	225247	19.505	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	64757	18.855	ug/l	99

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

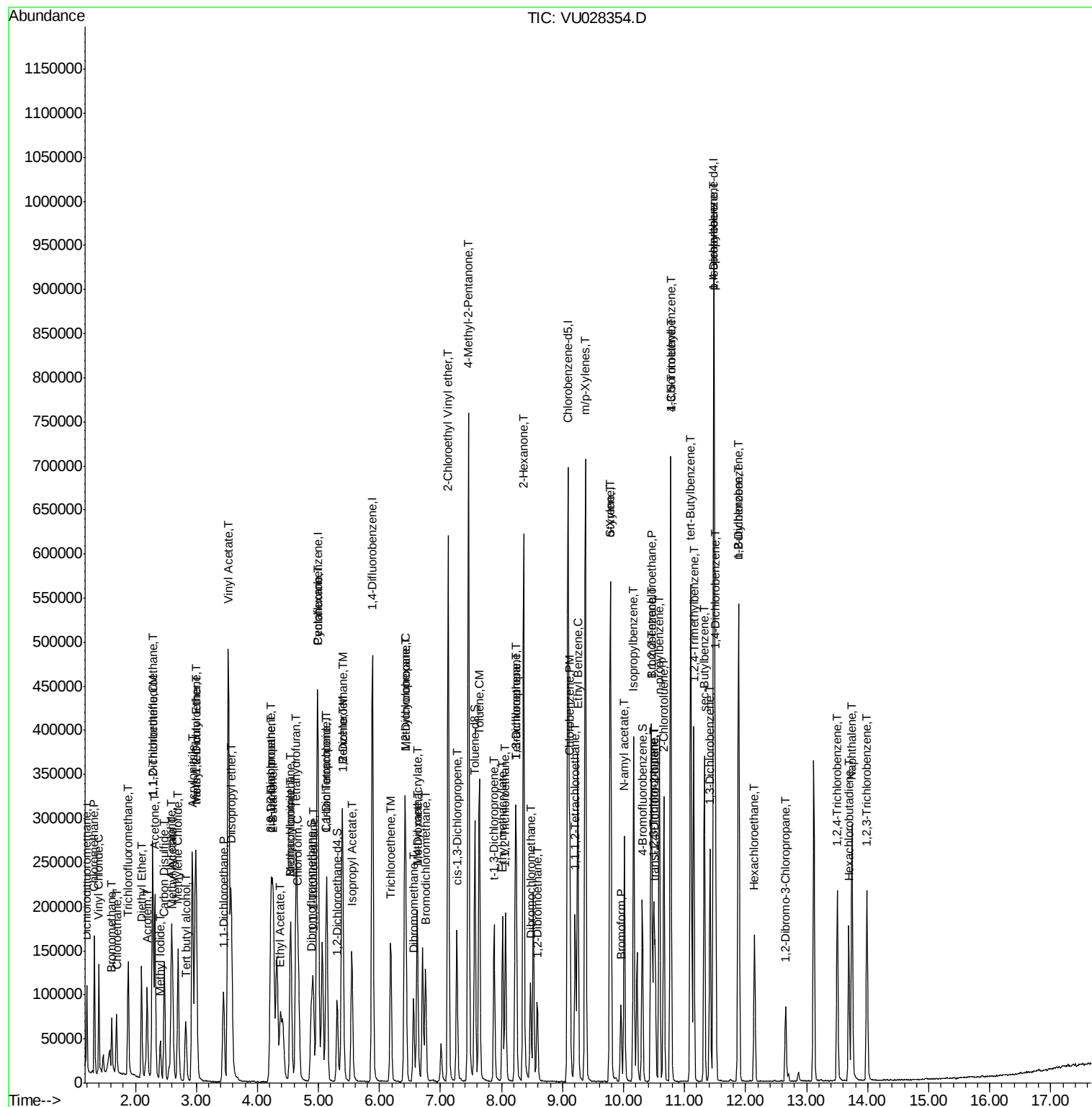
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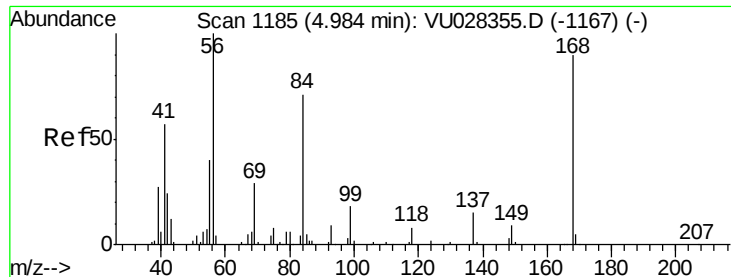
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC020

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 217232

Ion Ratio Lower Upper

168 100

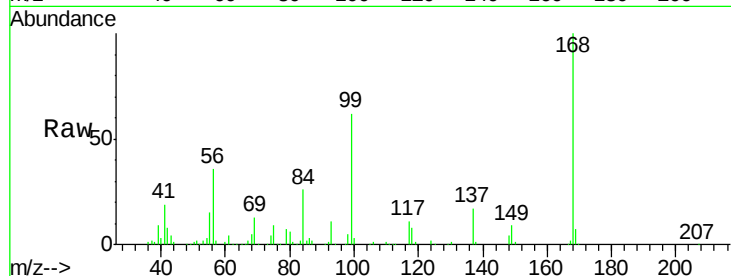
99 61.5 49.6 74.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

100000

80000

60000

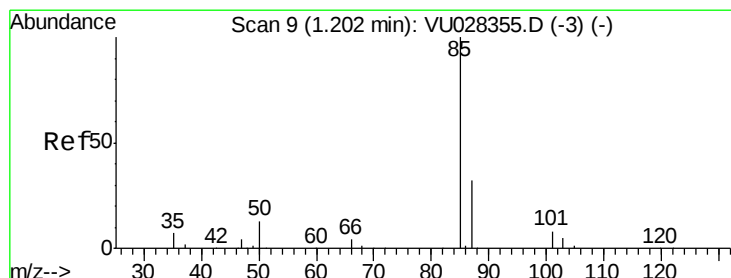
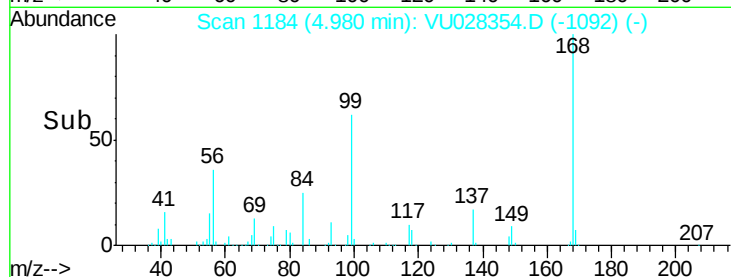
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.237 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028354.D

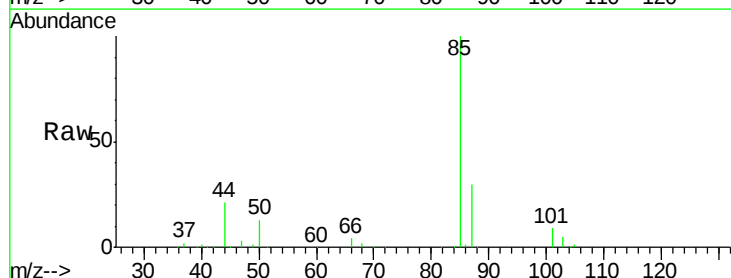
Acq: 28 Nov 2018 09:59

Tgt Ion: 85 Resp: 56058

Ion Ratio Lower Upper

85 100

87 30.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028355.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028355.D (-3) (-)

1.21

60000

50000

40000

30000

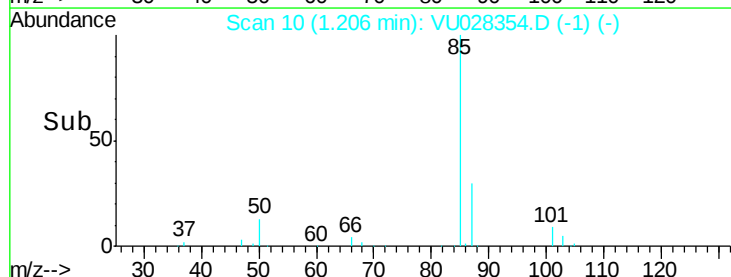
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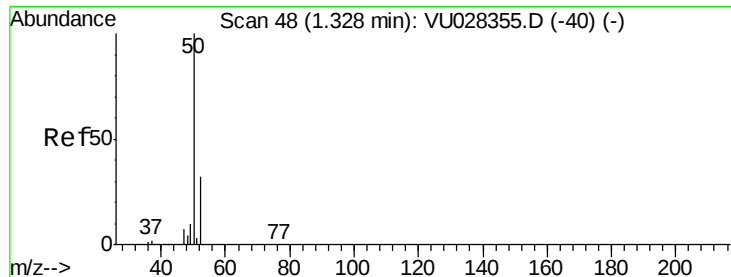
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 18.527 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 104652

Ion Ratio Lower Upper

50 100

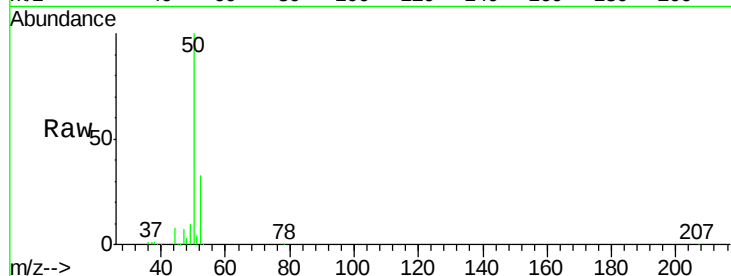
52 32.8 25.4 38.2

Manual Integrations

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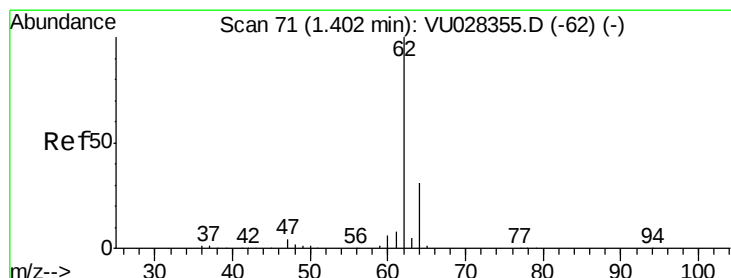
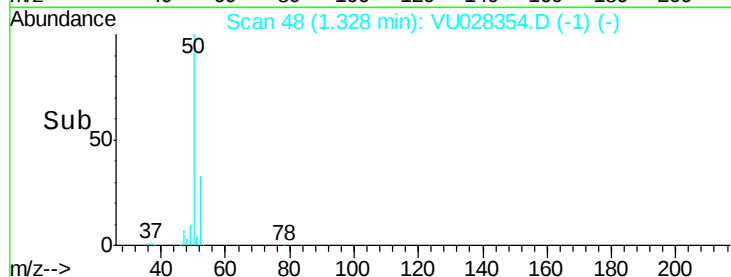
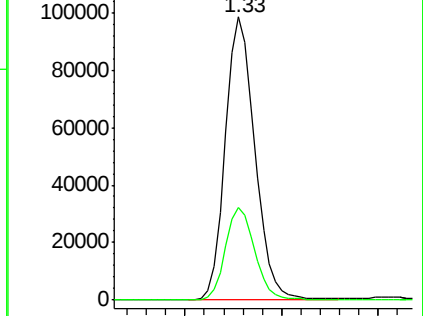
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 18.688 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028354.D

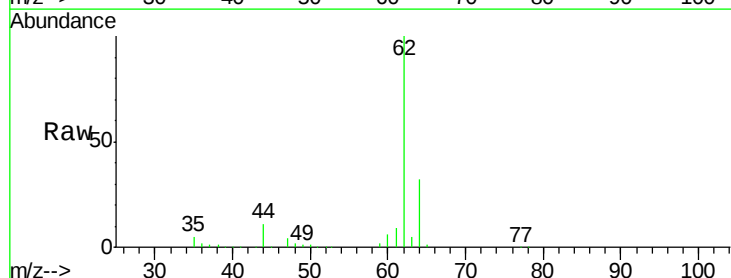
Acq: 28 Nov 2018 09:59

Tgt Ion: 62 Resp: 73855

Ion Ratio Lower Upper

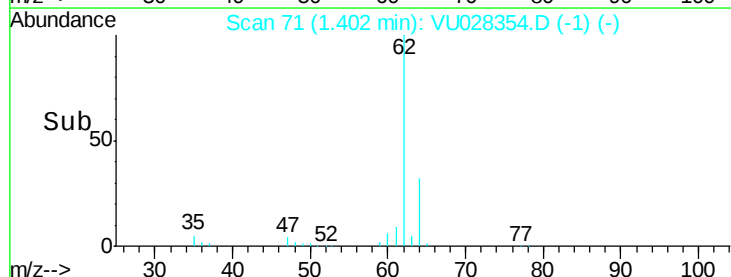
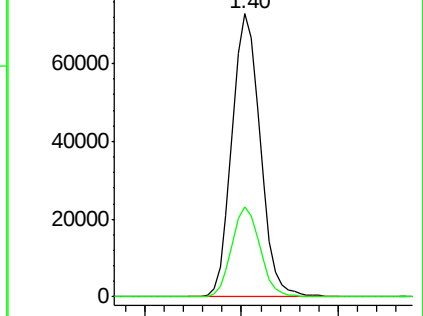
62 100

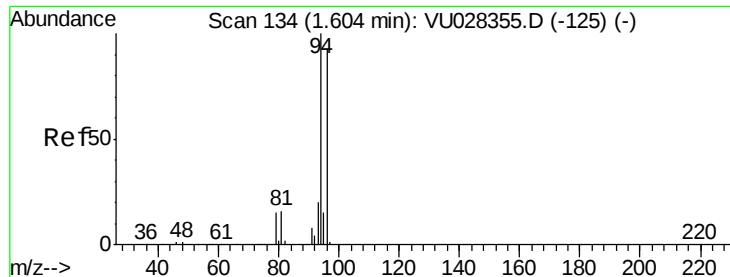
64 31.7 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 16.385 ug/l

RT: 1.61 min Scan# 137

Delta R.T. 0.01 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 94 Resp: 25045

Ion Ratio Lower Upper

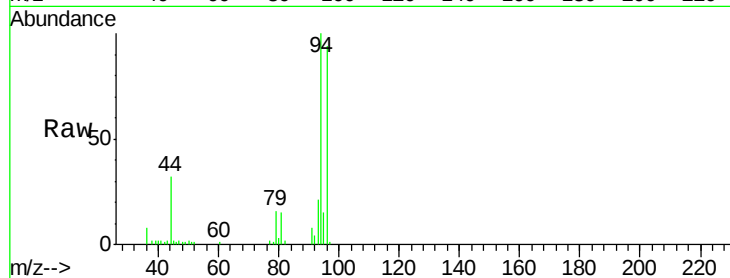
94 100

96 94.7 74.6 112.0

Manual Integrations
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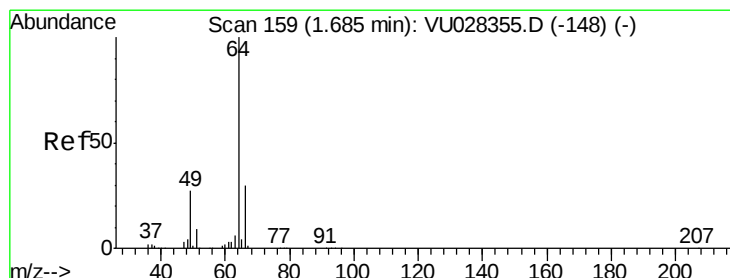
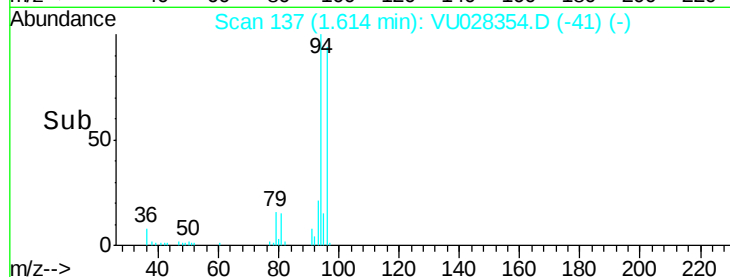
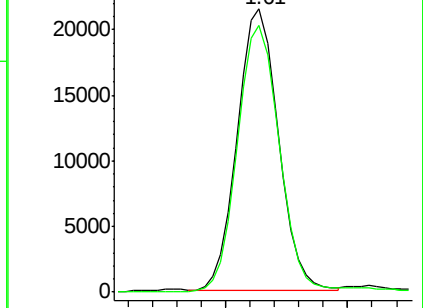
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Abundance Ion 93.90 (93.60 to 94.60): VU028355.D (-125) (-)

Ion 95.90 (95.60 to 96.60): VU028355.D (-125) (-)



#6

Chloroethane

Concen: 18.919 ug/l

RT: 1.69 min Scan# 161

Delta R.T. 0.01 min

Lab File: VU028354.D

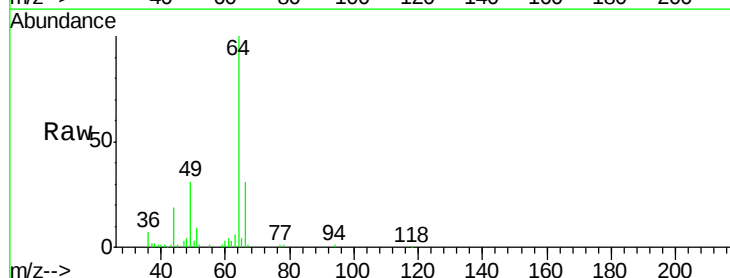
Acq: 28 Nov 2018 09:59

Tgt Ion: 64 Resp: 43024

Ion Ratio Lower Upper

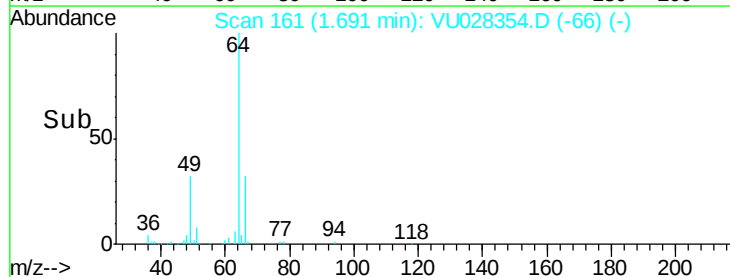
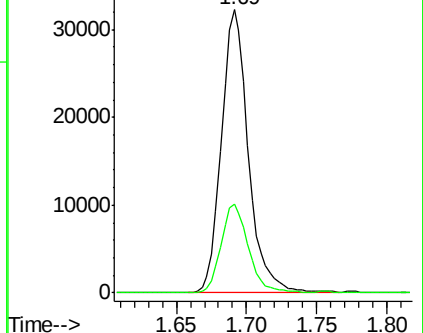
64 100

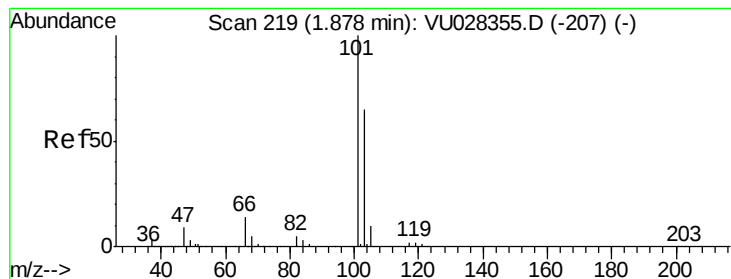
66 31.4 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU028355.D (-148) (-)

Ion 65.90 (65.60 to 66.60): VU028355.D (-148) (-)





#7

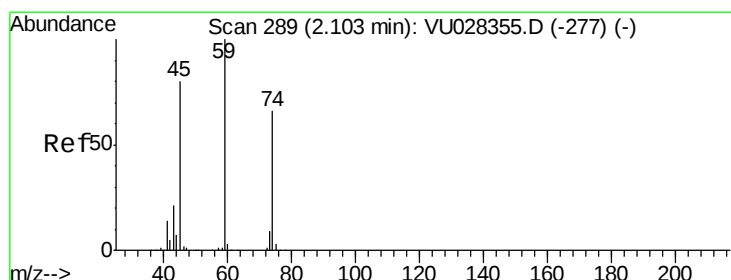
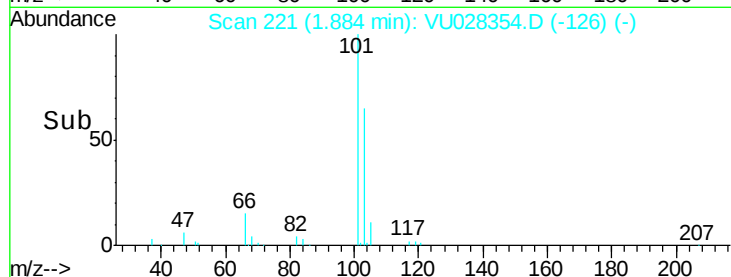
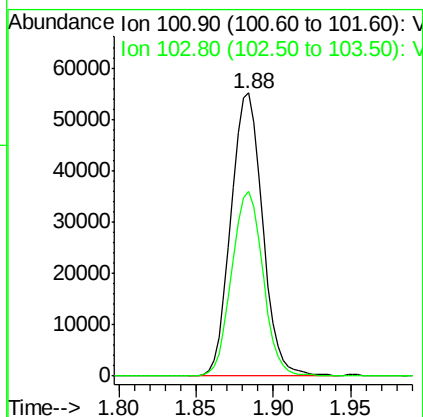
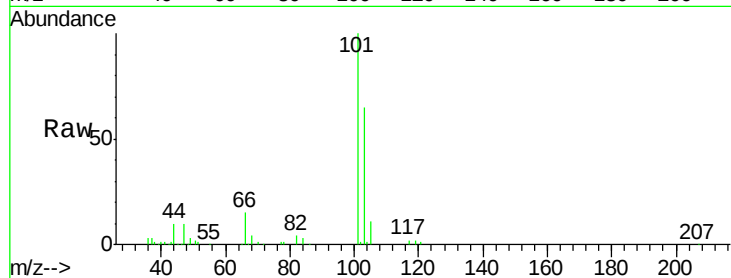
Trichlorofluoromethane
 Concen: 19.057 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VU028354.D
 Acq: 28 Nov 2018 09:59

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.6	77.4

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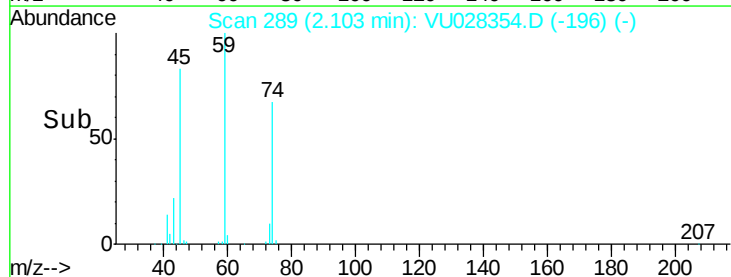
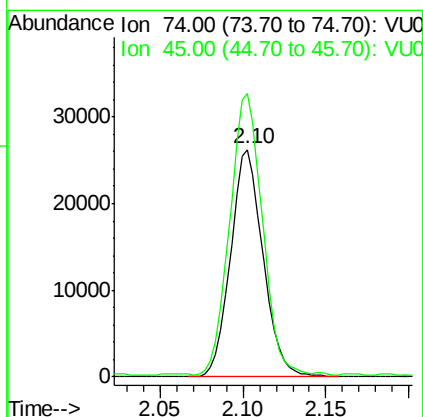
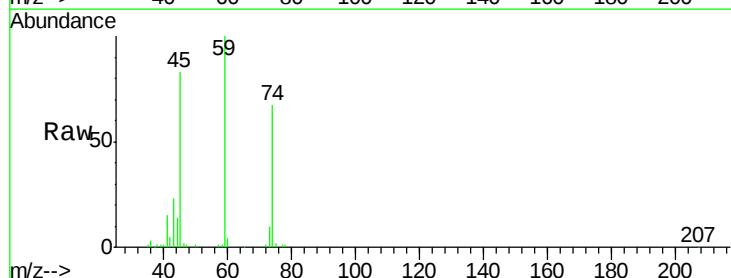
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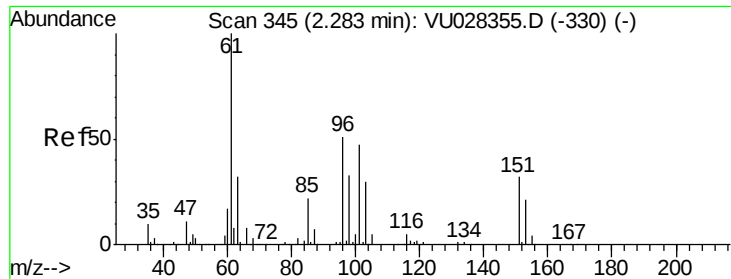


#8

Diethyl Ether
 Concen: 18.705 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028354.D
 Acq: 28 Nov 2018 09:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	124.1	63.0	189.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.477 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

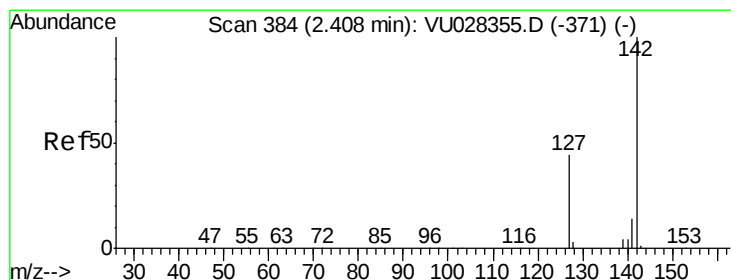
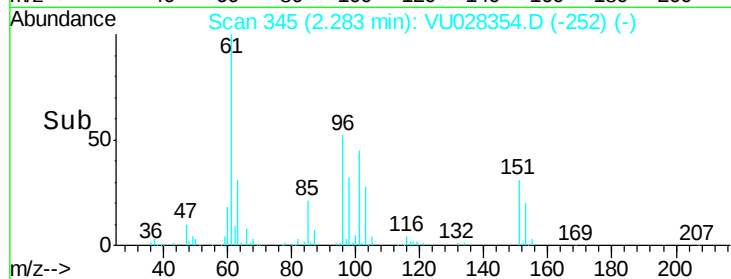
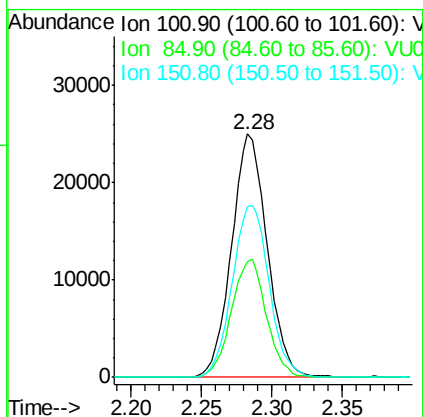
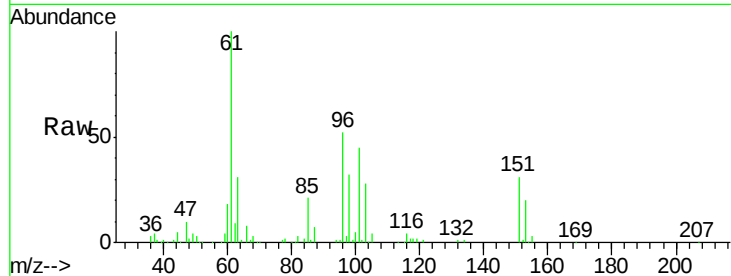
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	44186
Ion Ratio	Lower	Upper	
101	100		
85	47.5	37.2	55.8
151	72.9	55.4	83.0

Manual Integrations
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#10

Methyl Iodide

Concen: 18.915 ug/l

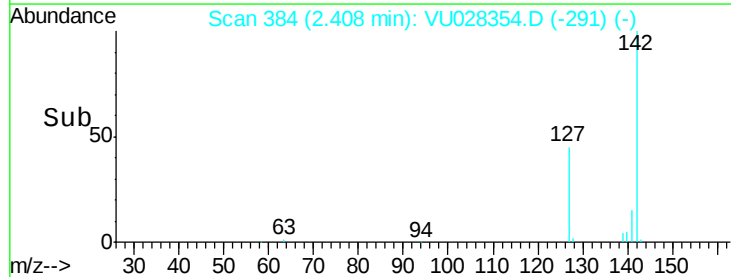
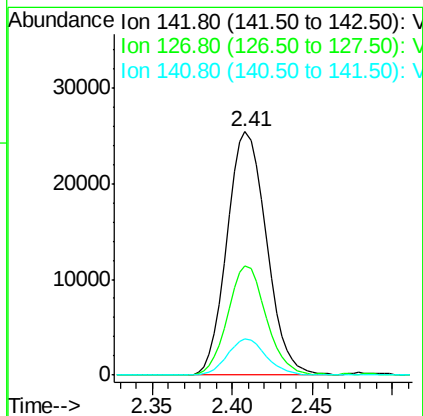
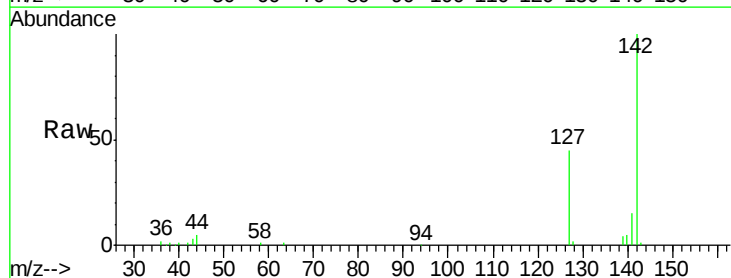
RT: 2.41 min Scan# 384

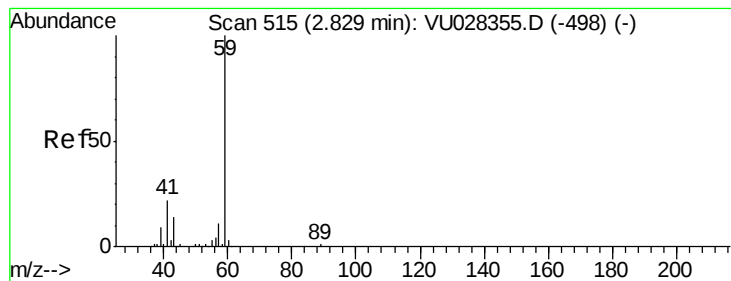
Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Tgt Ion:	142	Resp:	42654
Ion Ratio	Lower	Upper	
142	100		
127	43.7	35.0	52.6
141	14.4	11.2	16.8





#11

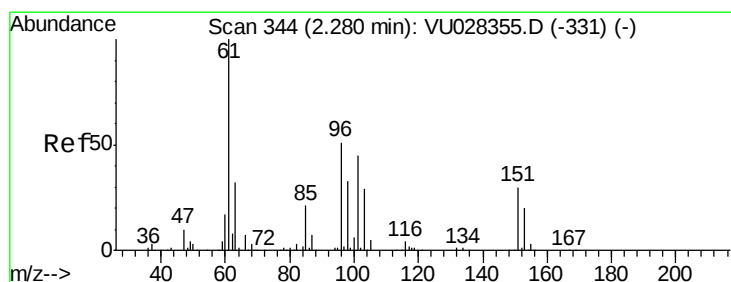
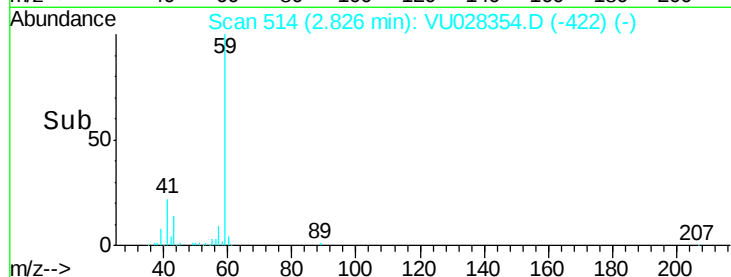
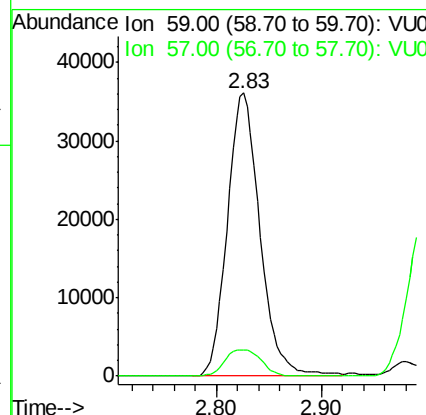
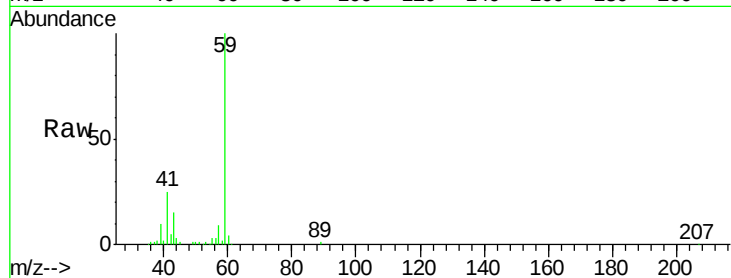
Tert butyl alcohol
 Concen: 93.790 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU028354.D
 Acq: 28 Nov 2018 09:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	59	Resp	77356
Ion Ratio	100	Lower	Upper
57	10.4	8.3	12.5

Manual Integrations
 APPROVED

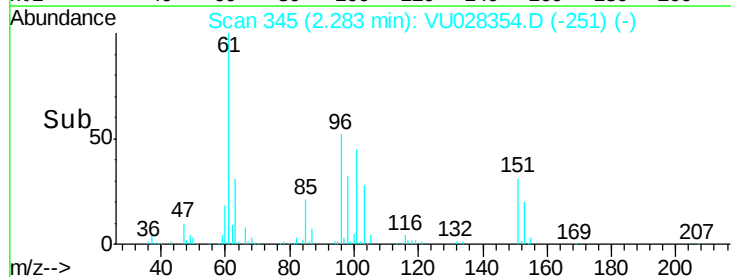
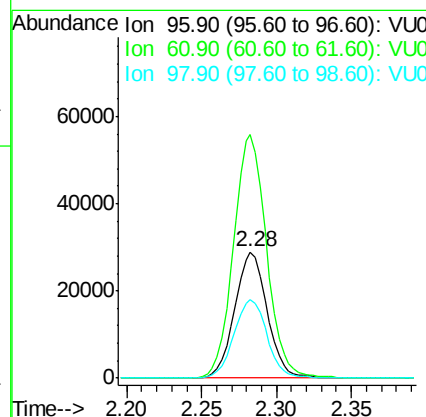
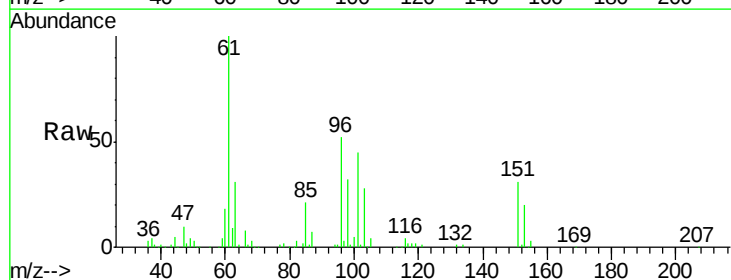
MMDadoda
 11/29/2018 1:22:49 PM

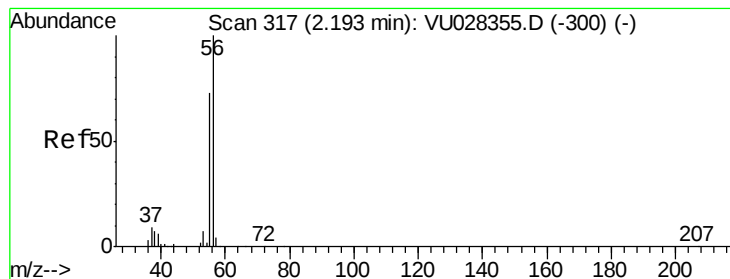


#12

1,1-Dichloroethene
 Concen: 18.800 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU028354.D
 Acq: 28 Nov 2018 09:59

Tgt Ion	96	Resp	43630
Ion Ratio	100	Lower	Upper
61	192.8	158.1	237.1
98	61.7	51.4	77.2





#13

Acrolein

Concen: 97.199 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 71271

Ion Ratio Lower Upper

56 100

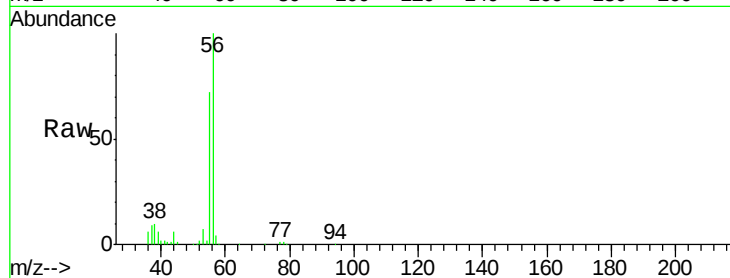
55 71.0 56.6 85.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

50000

40000

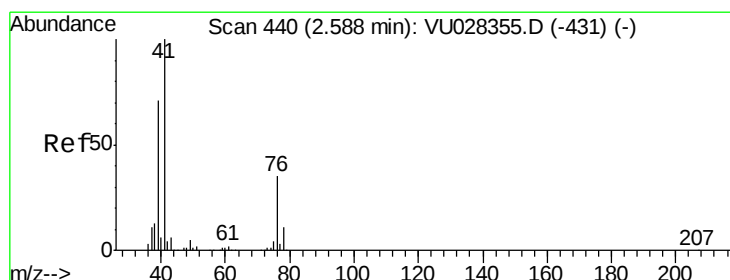
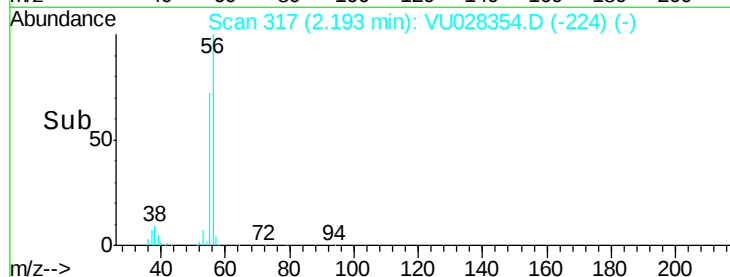
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 18.941 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

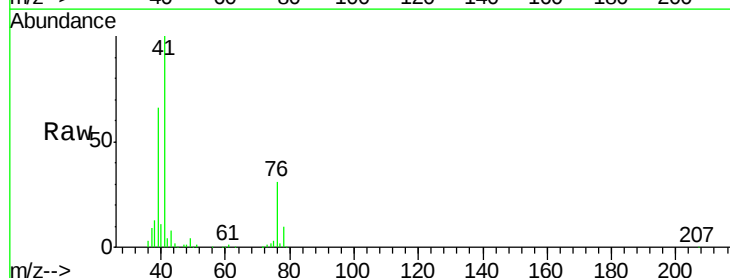
Tgt Ion: 41 Resp: 114847

Ion Ratio Lower Upper

41 100

39 64.3 51.6 77.4

76 30.2 24.4 36.6



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

2.59

80000

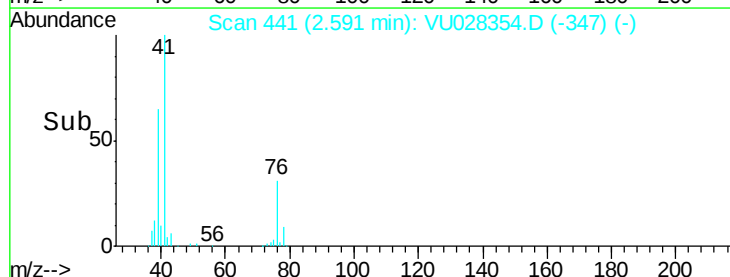
60000

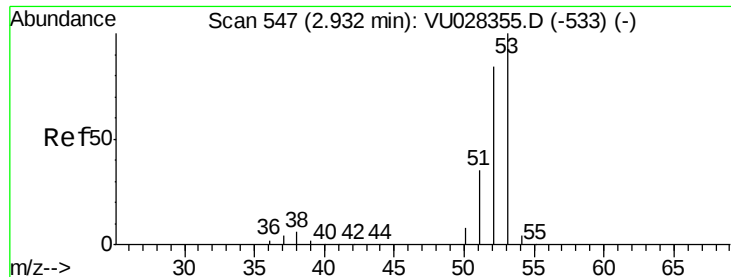
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 96.914 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

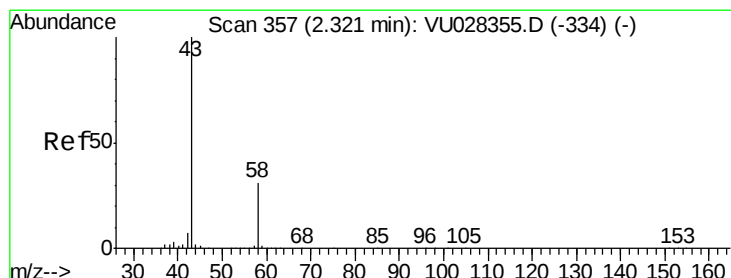
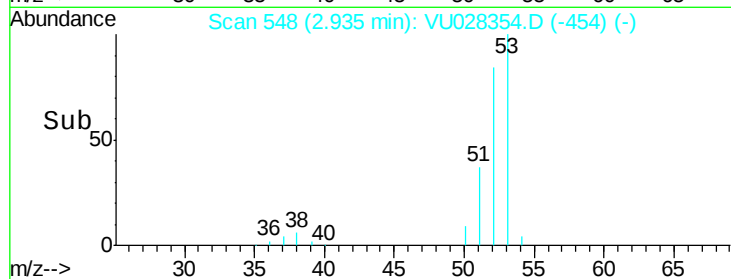
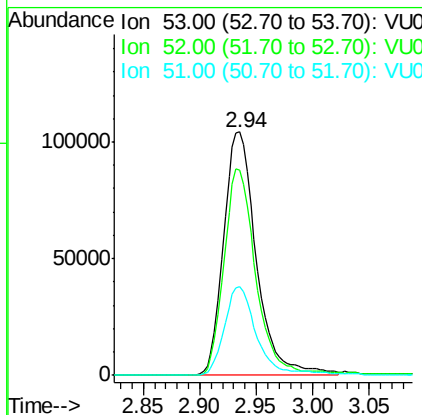
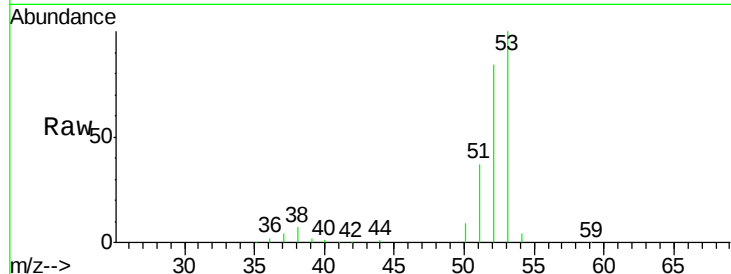
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	211438
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.7	98.5
51	34.5	27.8	41.6

Manual Integrations
APPROVED

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11/29/2018 1:22:49 PM



#16

Acetone

Concen: 97.333 ug/l

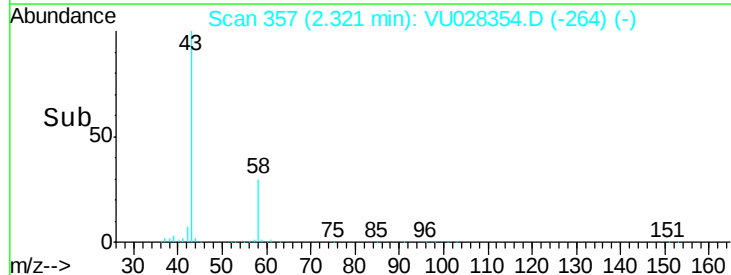
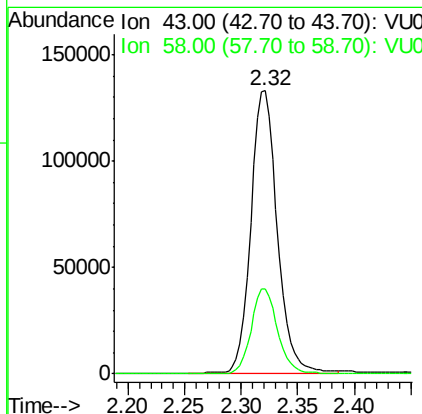
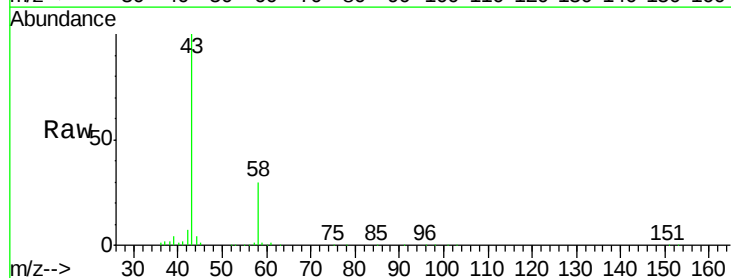
RT: 2.32 min Scan# 357

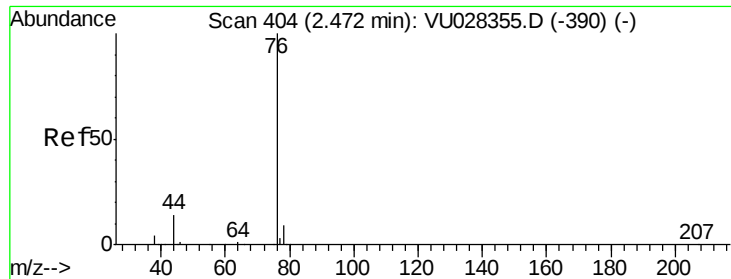
Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Tgt Ion:	43	Resp:	216164
Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.4	36.6





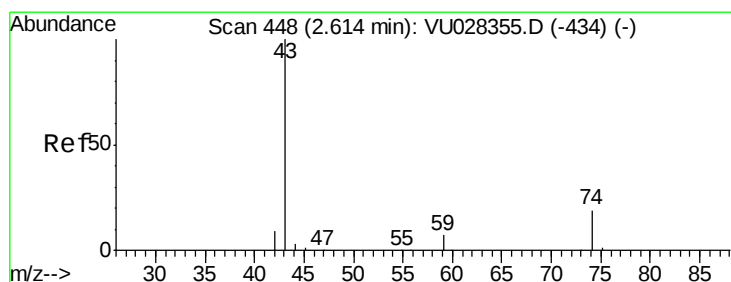
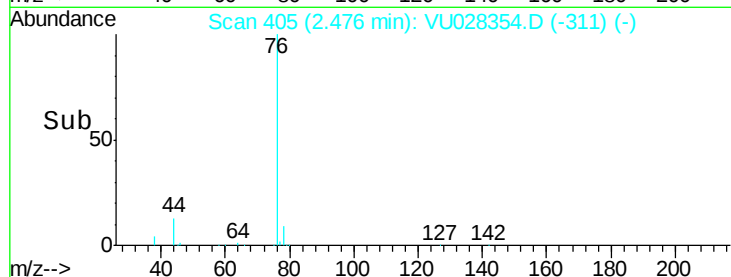
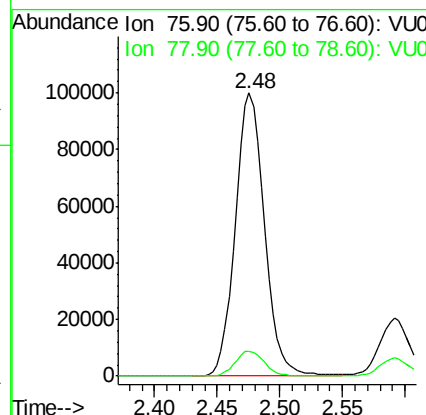
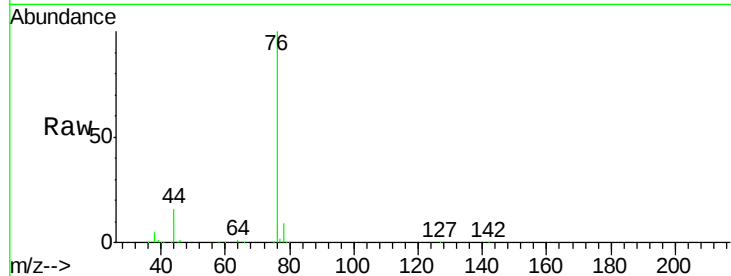
#17
Carbon Disulfide
Concen: 18.184 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 76 Resp: 161978
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2

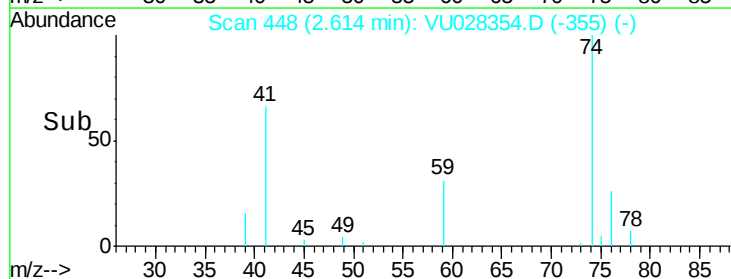
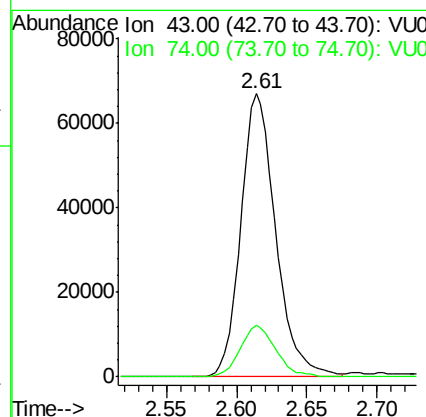
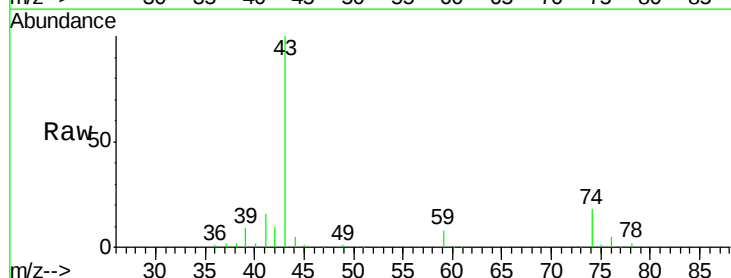
Manual Integrations
APPROVED

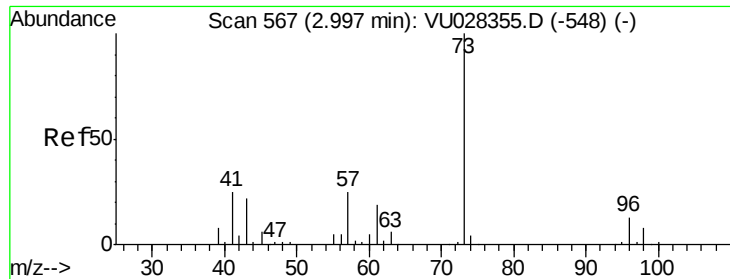
MMDadoda
11/29/2018 1:22:49 PM



#18
Methyl Acetate
Concen: 18.671 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Tgt Ion: 43 Resp: 115451
Ion Ratio Lower Upper
43 100
74 19.0 15.3 22.9





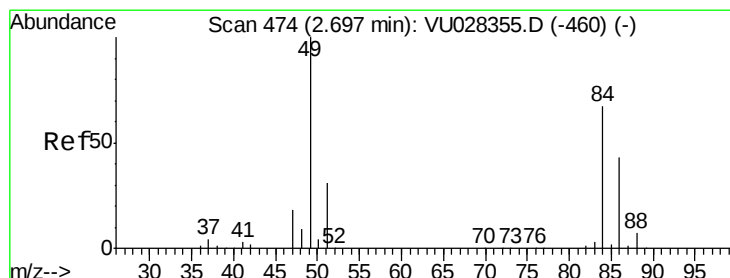
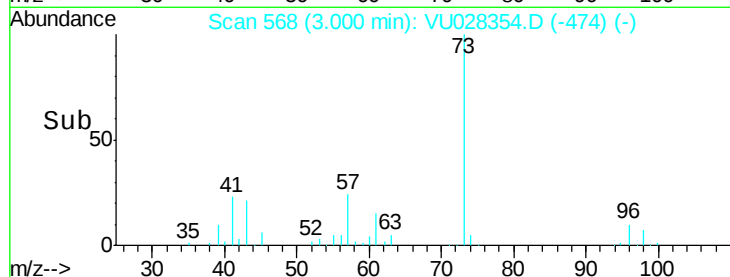
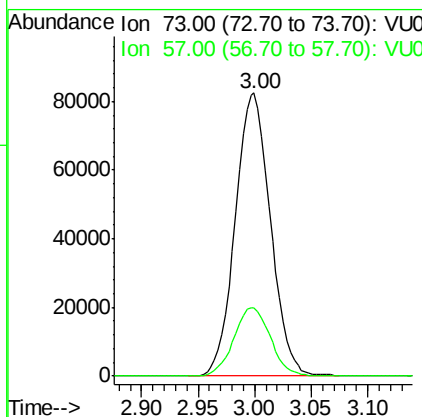
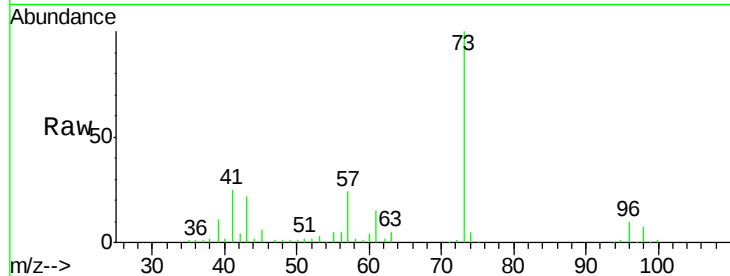
#19
Methvl tert-butvl Ether
Concen: 18.820 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 179058
Ion Ratio Lower Upper
73 100
57 24.1 20.1 30.1

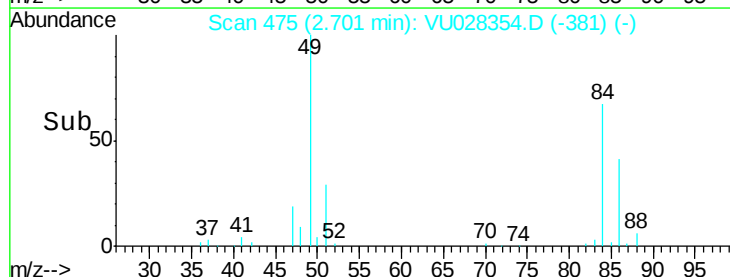
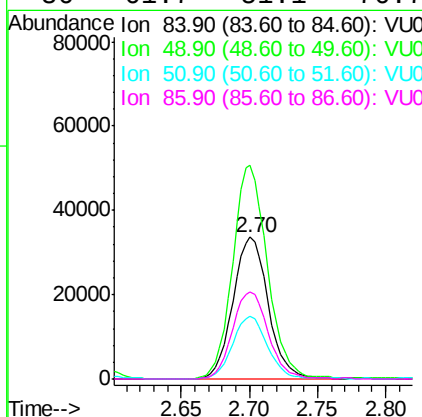
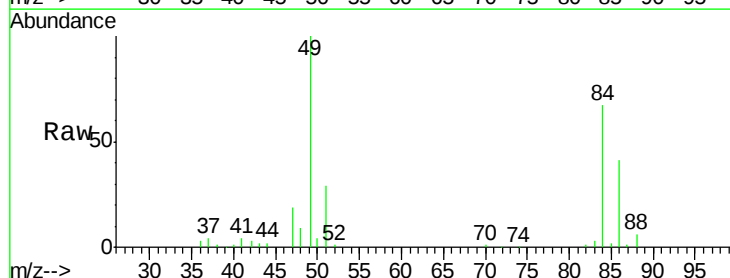
Manual Integrations
APPROVED

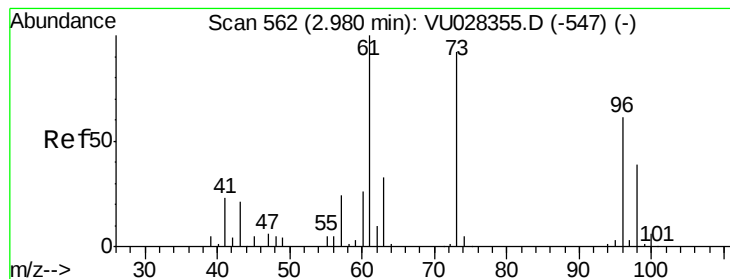
MMDadoda
11/29/2018 1:22:49 PM



#20
Methylene Chloride
Concen: 17.647 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Tgt Ion: 84 Resp: 60633
Ion Ratio Lower Upper
84 100
49 150.4 120.0 180.0
51 44.0 36.9 55.3
86 61.7 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 18.658 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 50216

Ion Ratio Lower Upper

96 100

61 159.5 131.1 196.7

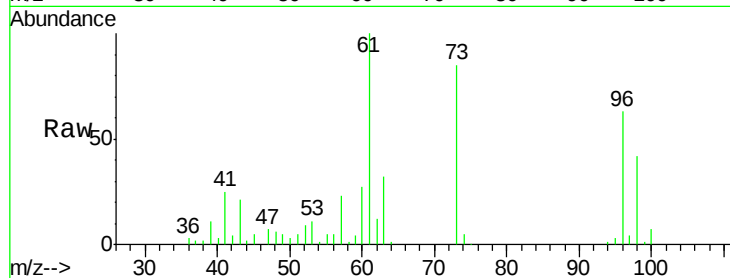
98 66.6 51.7 77.5

Manual Integrations

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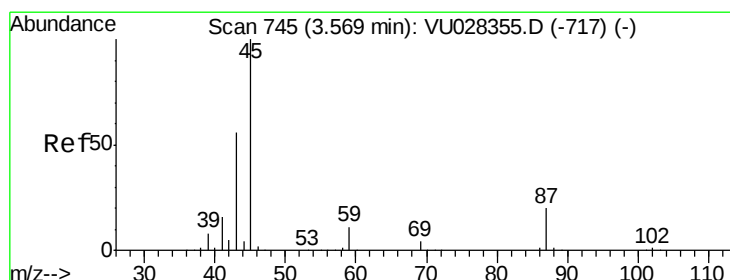
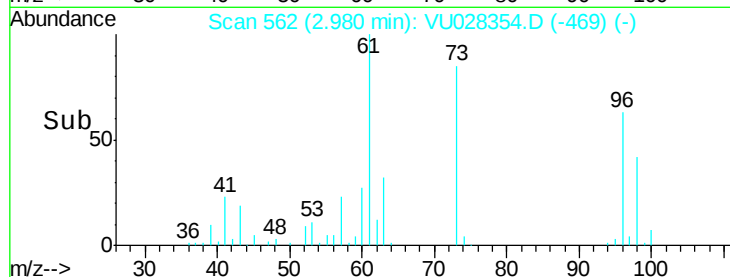
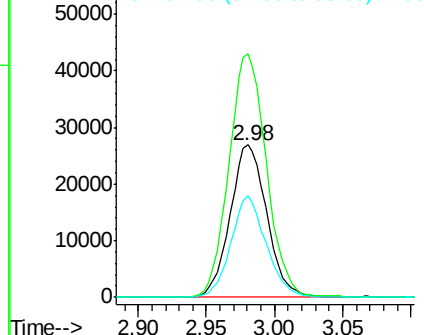
11/29/2018 1:22:49 PM



Abundance Ion 95.90 (95.60 to 96.60): VU028355.D (-547) (-)

Ion 60.90 (60.60 to 61.60): VU028355.D (-547) (-)

Ion 97.90 (97.60 to 98.60): VU028355.D (-547) (-)



#22

Diisopropyl ether

Concen: 19.232 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Tgt Ion: 45 Resp: 229450

Ion Ratio Lower Upper

45 100

43 60.4 44.8 67.2

87 20.5 16.3 24.5

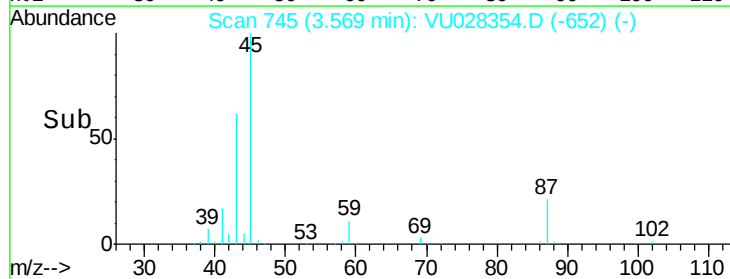
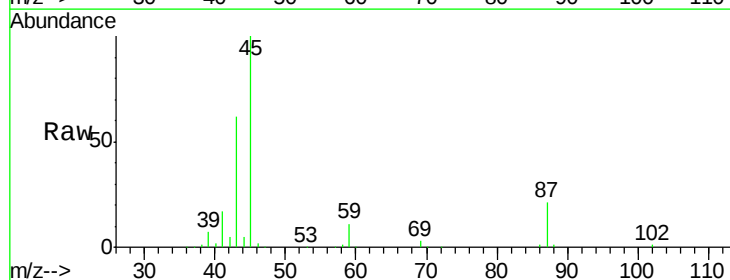
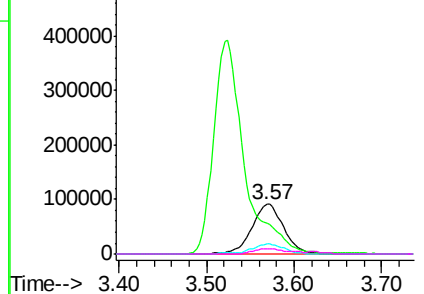
59 11.4 8.6 12.8

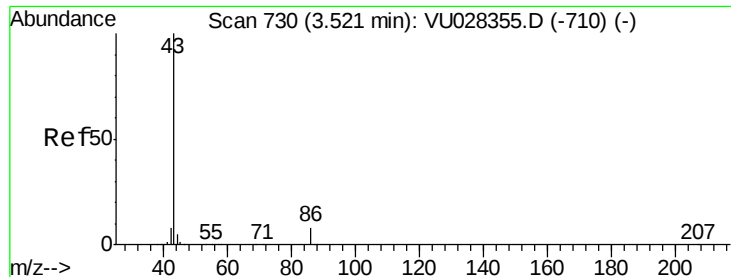
Abundance Ion 45.00 (44.70 to 45.70): VU028355.D (-717) (-)

Ion 43.00 (42.70 to 43.70): VU028355.D (-717) (-)

Ion 87.00 (86.70 to 87.70): VU028355.D (-717) (-)

Ion 59.00 (58.70 to 59.70): VU028355.D (-717) (-)





#23

Vinyl Acetate

Concen: 96.393 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 956459

Ion Ratio Lower Upper

43 100

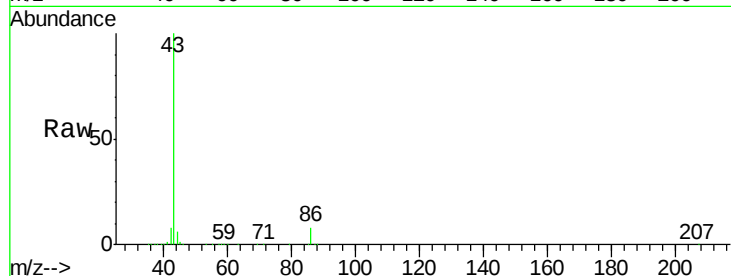
86 7.8 6.5 9.7

Manual Integrations

APPROVED

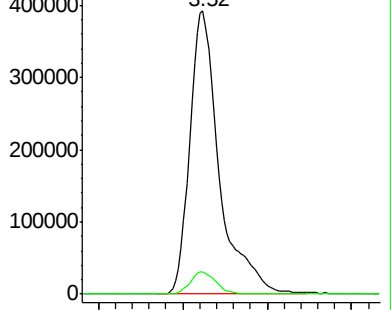
MMDadoda

11/29/2018 1:22:49 PM

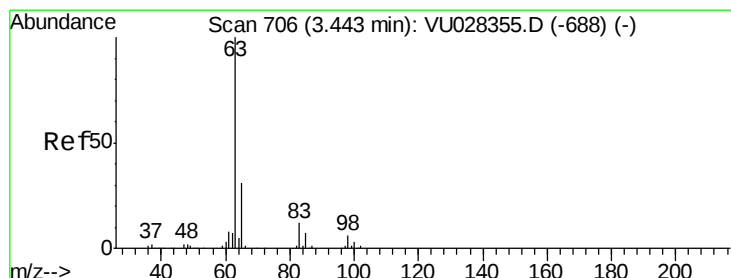
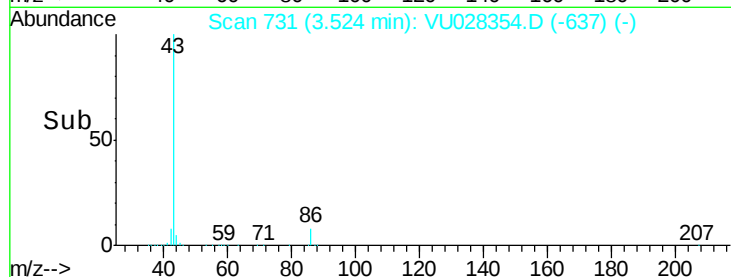


Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-710) (-)

Ion 86.00 (85.70 to 86.70): VU028355.D (-710) (-)



Time-->



#24

1,1-Dichloroethane

Concen: 19.507 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

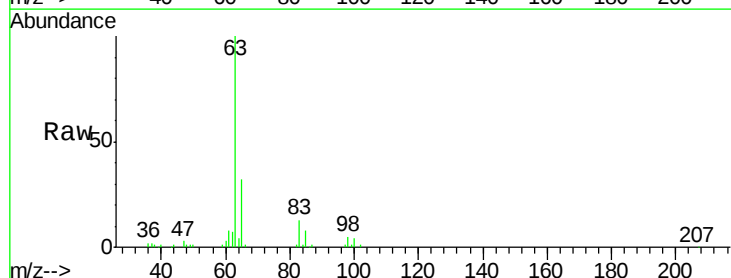
Tgt Ion: 63 Resp: 114811

Ion Ratio Lower Upper

63 100

98 4.9 2.9 8.6

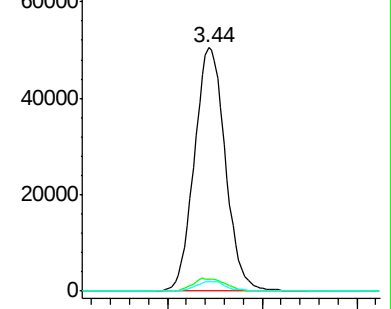
100 4.0 1.7 5.1



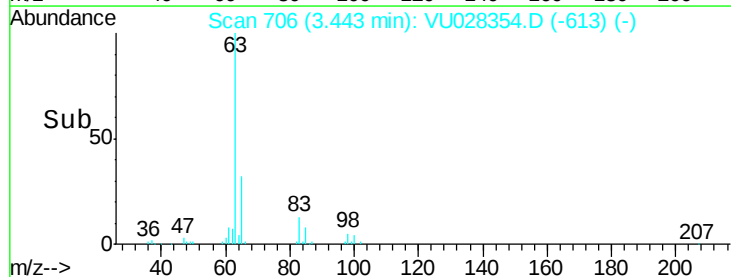
Abundance Ion 62.90 (62.60 to 63.60): VU028355.D (-688) (-)

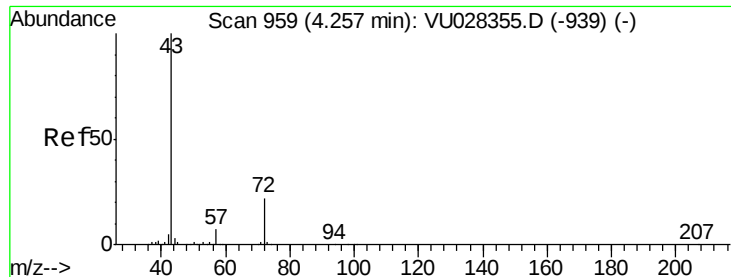
Ion 97.90 (97.60 to 98.60): VU028355.D (-688) (-)

Ion 99.90 (99.60 to 100.60): VU028355.D (-688) (-)



Time-->





#25

2-Butanone

Concen: 96.144 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 306013

Ion Ratio Lower Upper

43 100

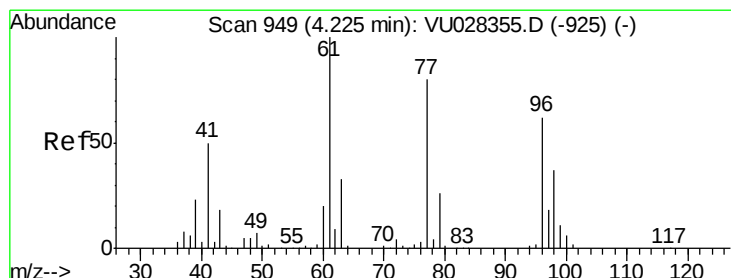
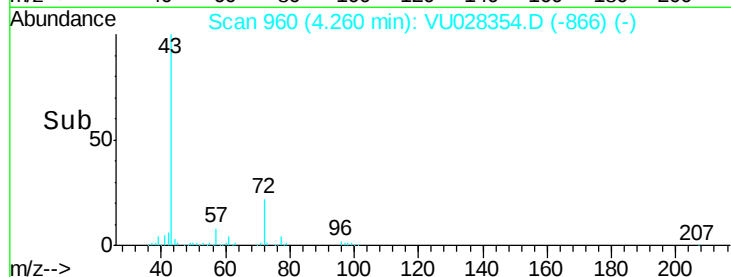
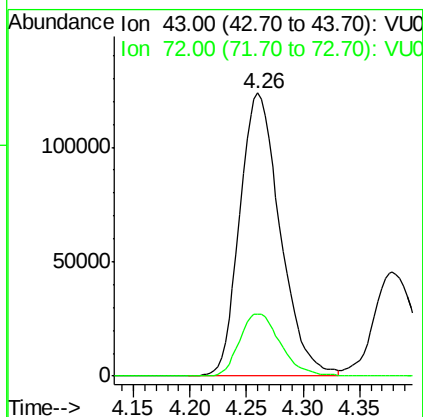
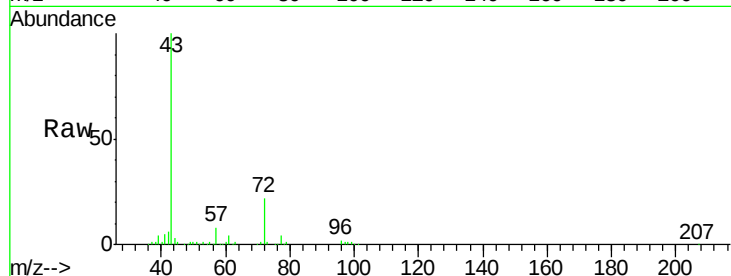
72 22.2 17.7 26.5

Manual Integrations

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MMDadoda

11/29/2018 1:22:49 PM



#26

2,2-Dichloropropane

Concen: 18.979 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028354.D

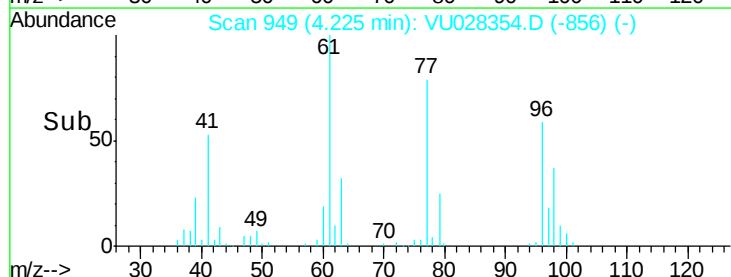
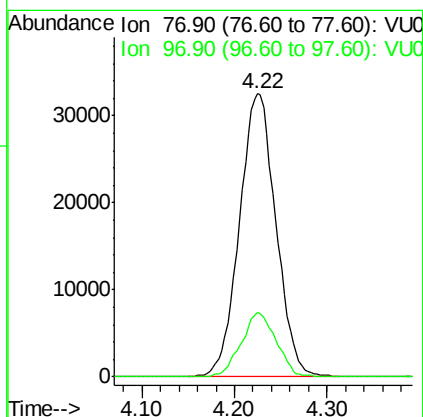
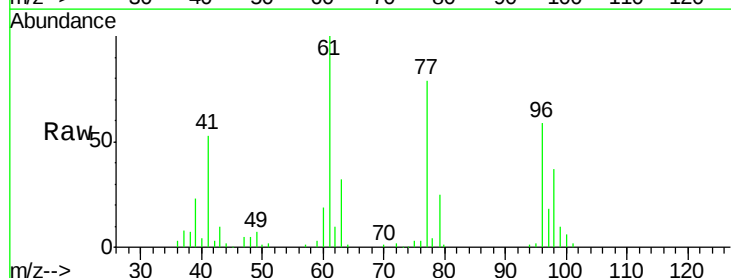
Acq: 28 Nov 2018 09:59

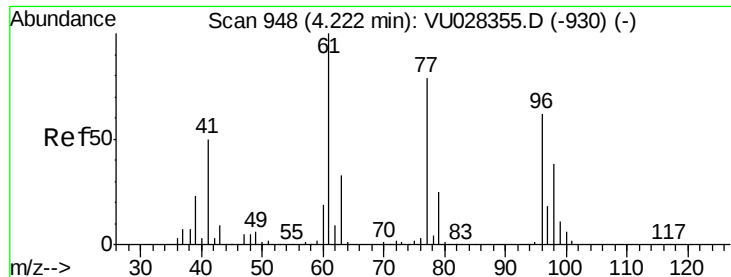
Tgt Ion: 77 Resp: 88709

Ion Ratio Lower Upper

77 100

97 21.9 10.7 32.1





#27

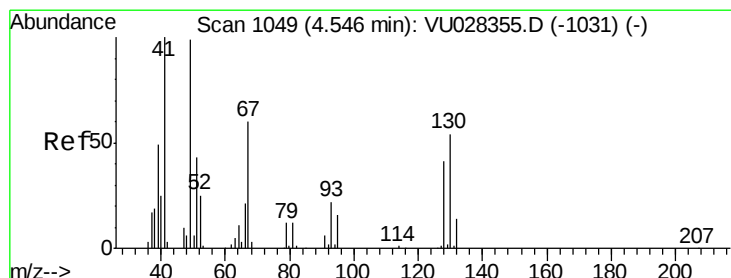
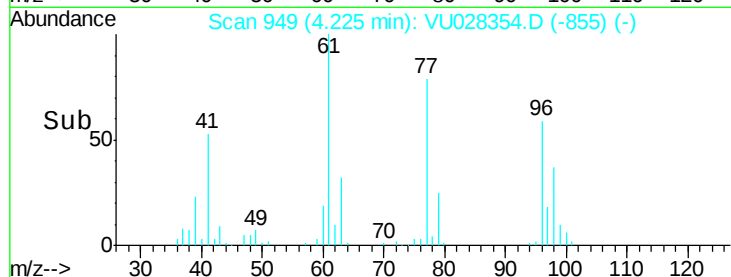
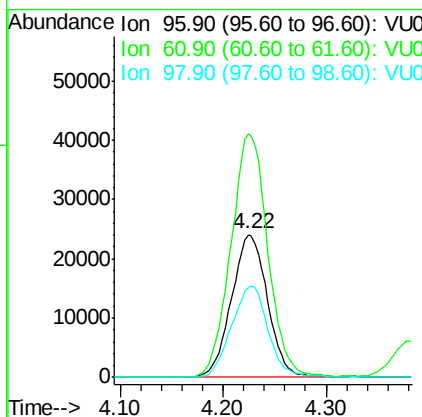
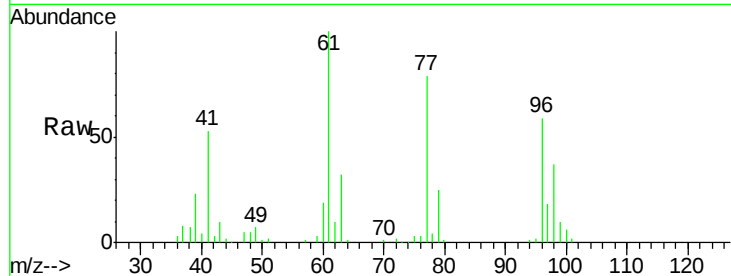
cis-1,2-Dichloroethene
Concen: 18.426 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	174.3	0.0	342.0
98	64.7	0.0	126.4

Manual Integrations
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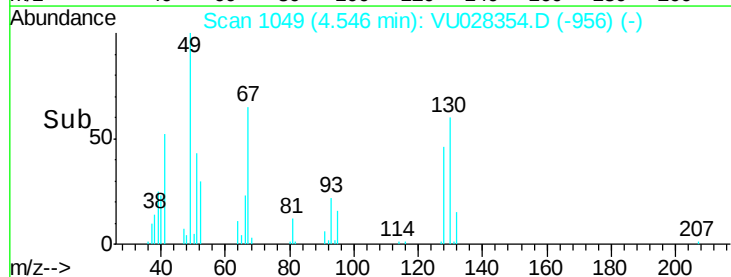
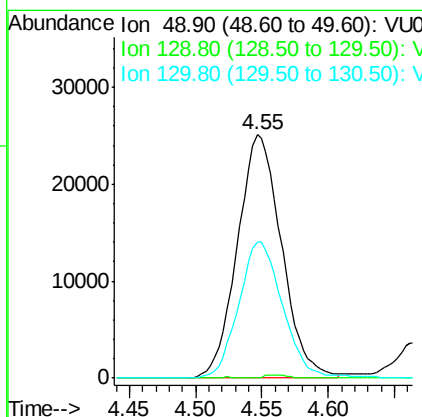
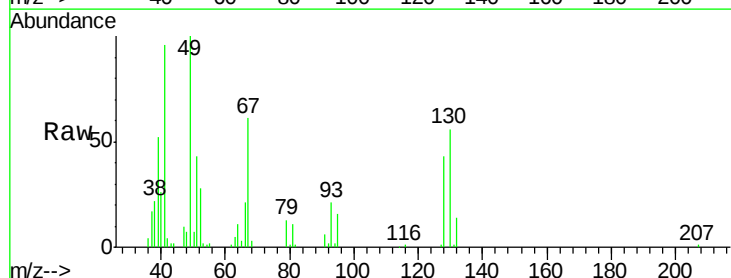
MMDadoda
11/29/2018 1:22:49 PM

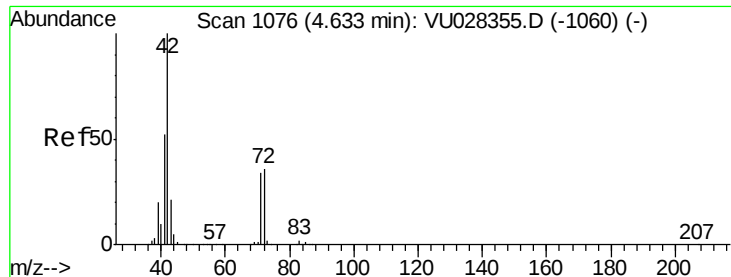


#28

Bromochloromethane
Concen: 19.827 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.6
130	55.0	44.5	66.7





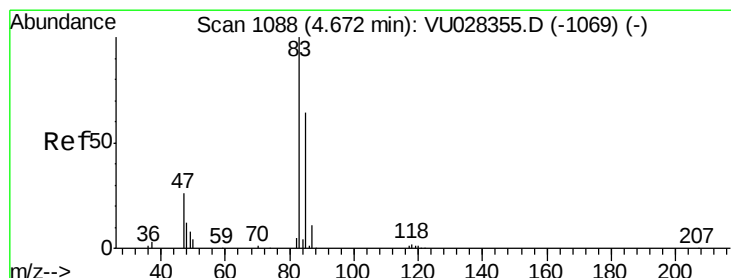
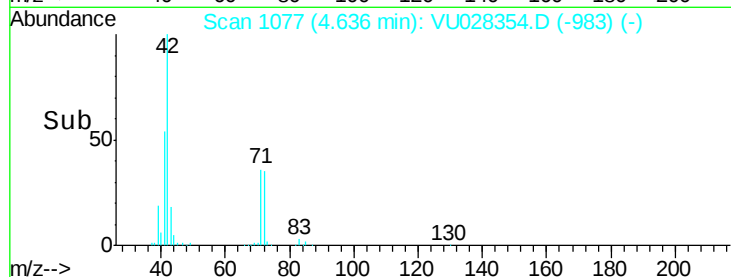
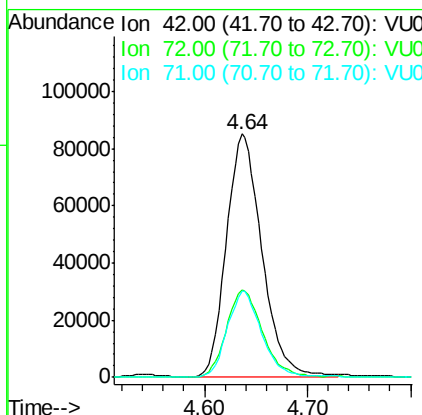
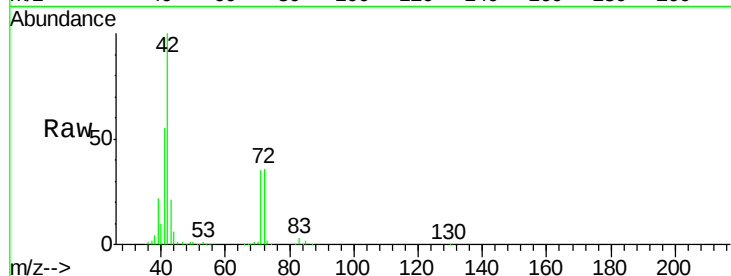
#29
Tetrahydrofuran
Concen: 98.591 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	29.5	44.3
71	34.5	27.7	41.5

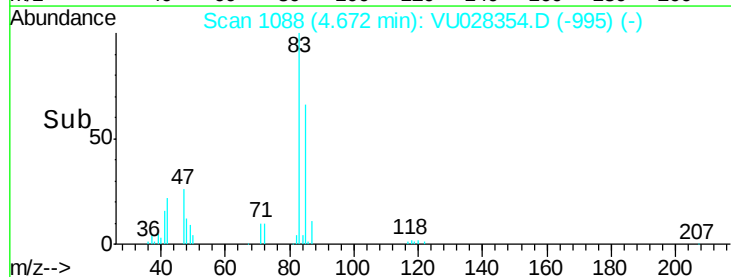
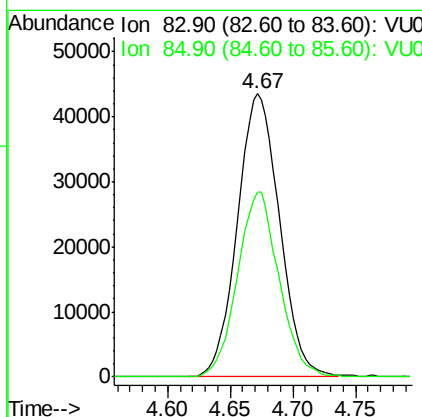
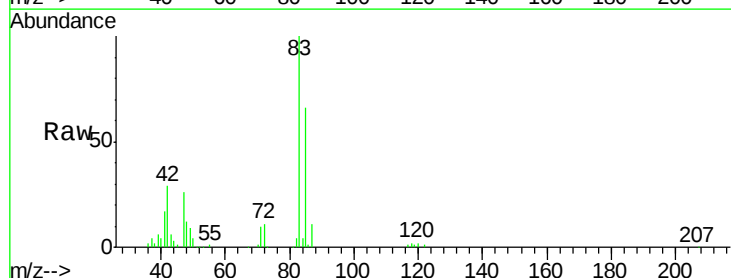
Manual Integrations
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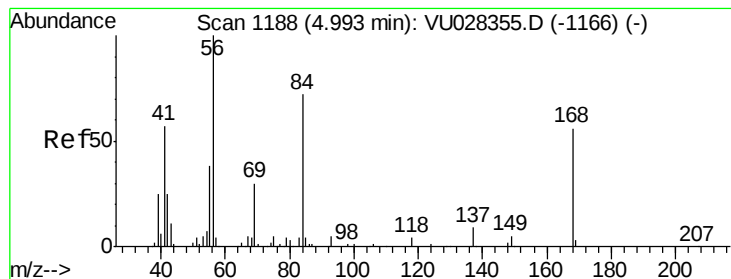
MMDadoda
11/29/2018 1:22:49 PM



#30
Chloroform
Concen: 18.715 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.2	76.8





#31

Cyclohexane

Concen: 16.629 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

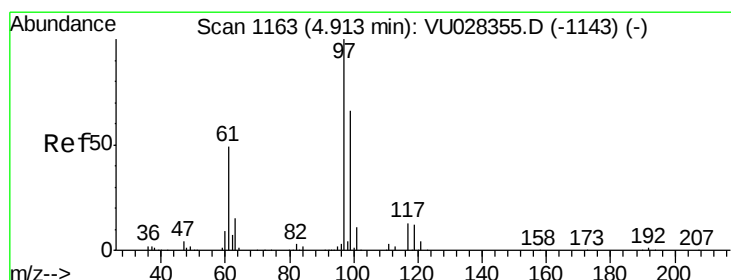
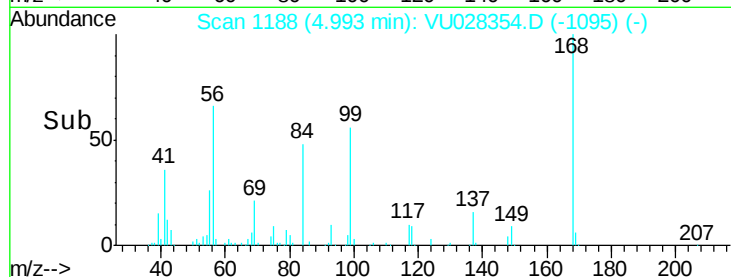
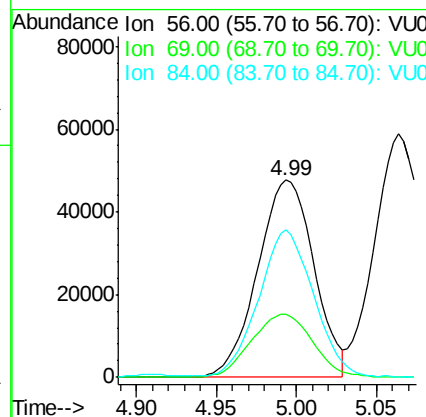
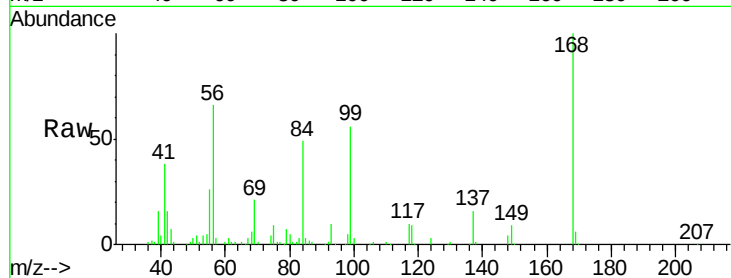
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	116169
Ion	Ratio	Lower	Upper
56	100		
69	31.9	23.7	35.5
84	74.1	57.3	85.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.195 ug/l

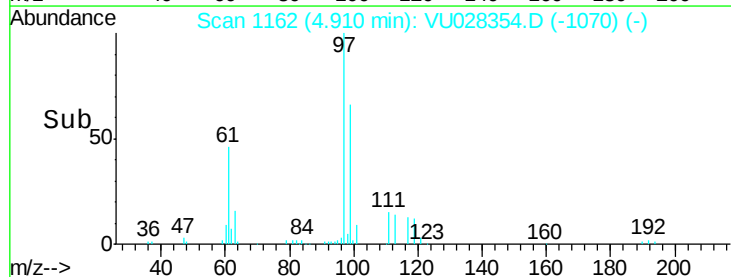
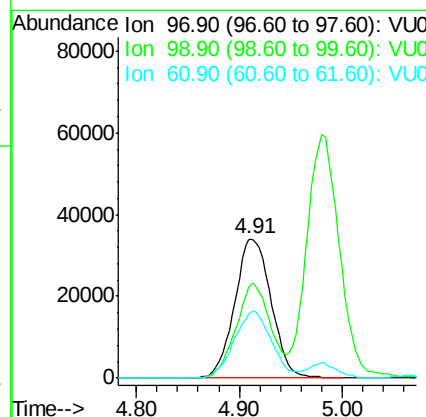
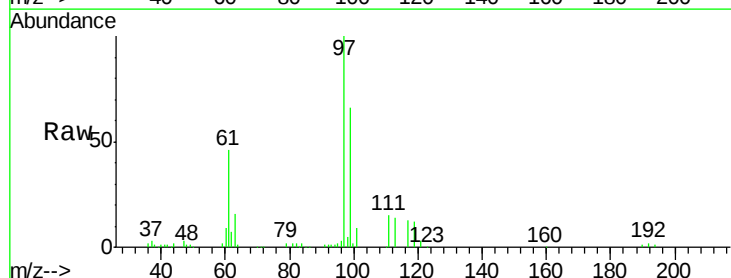
RT: 4.91 min Scan# 1162

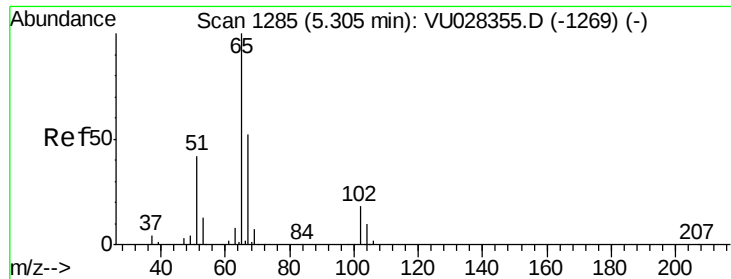
Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Tgt Ion:	97	Resp:	83672
Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.8	76.2
61	49.0	39.1	58.7





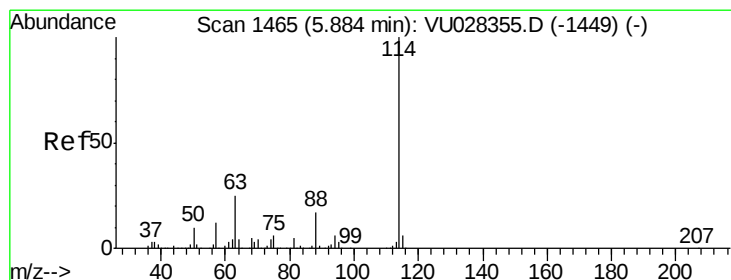
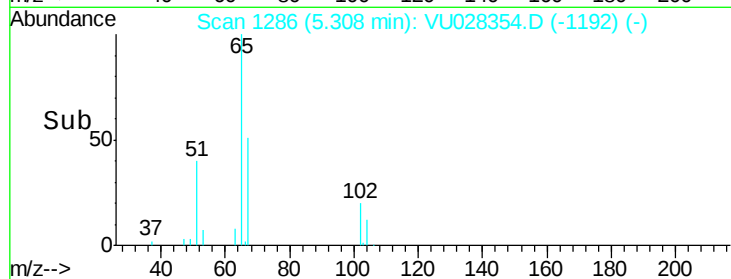
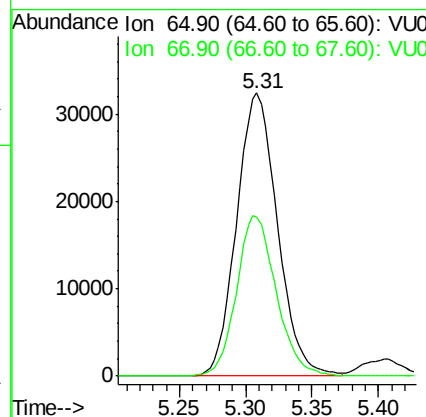
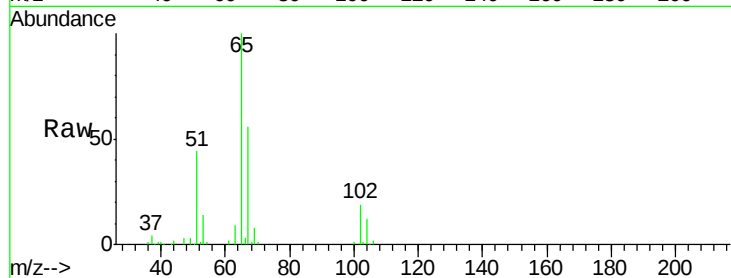
#33
 1,2-Dichloroethane-d4
 Concen: 19.137 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028354.D
 Acq: 28 Nov 2018 09:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	106.8

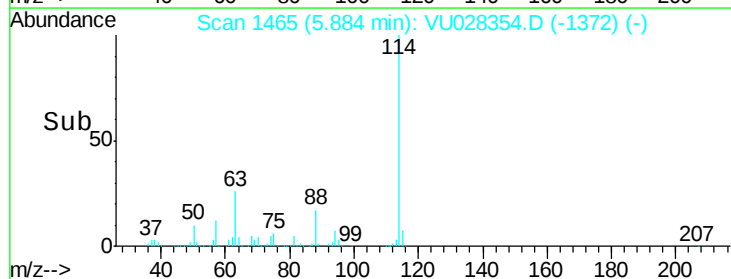
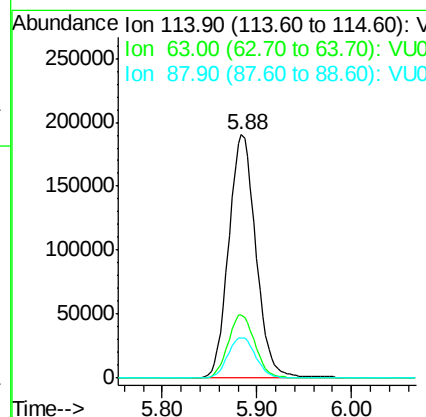
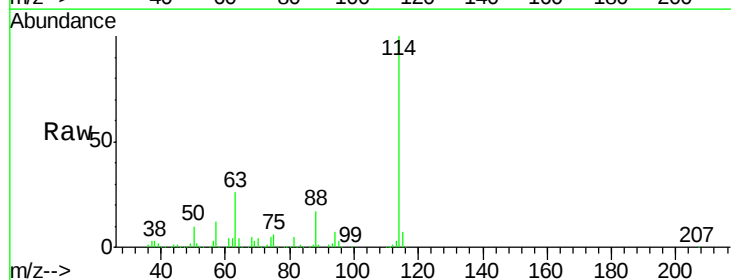
Manual Integrations
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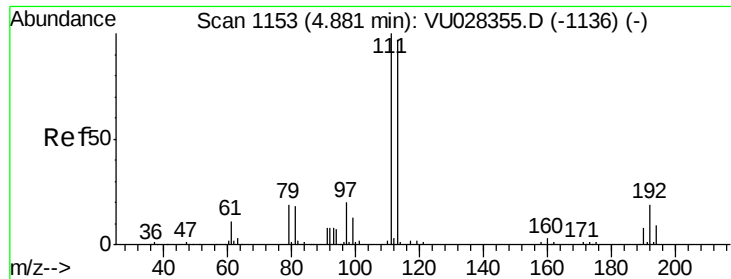
MMDadoda
 11/29/2018 1:22:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028354.D
 Acq: 28 Nov 2018 09:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.1	0.0	50.0
88	16.7	0.0	34.4





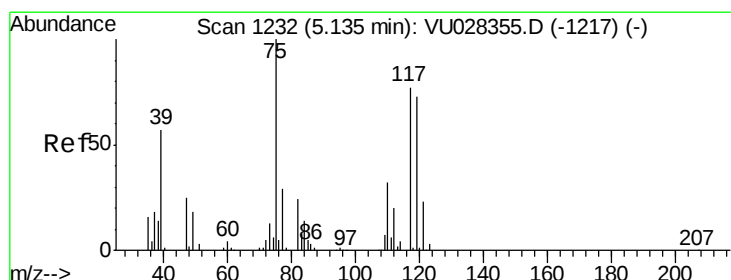
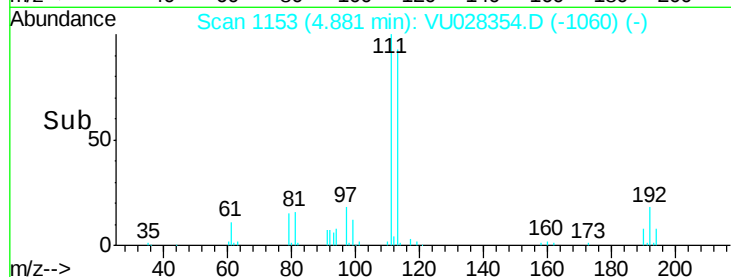
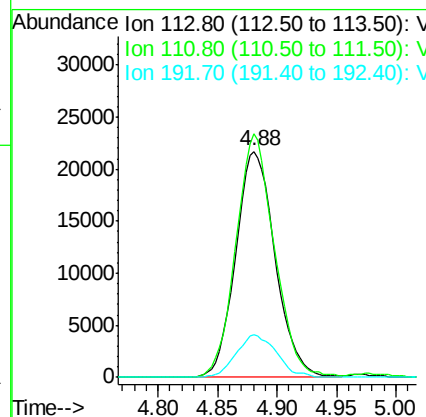
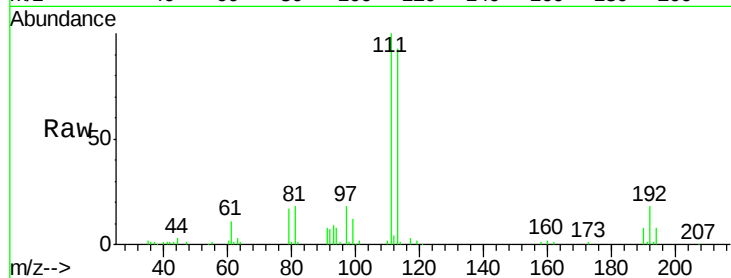
#35
 Dibromofluoromethane
 Concen: 19.655 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028354.D
 Acq: 28 Nov 2018 09:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.0	82.9	124.3
192	19.1	15.4	23.0

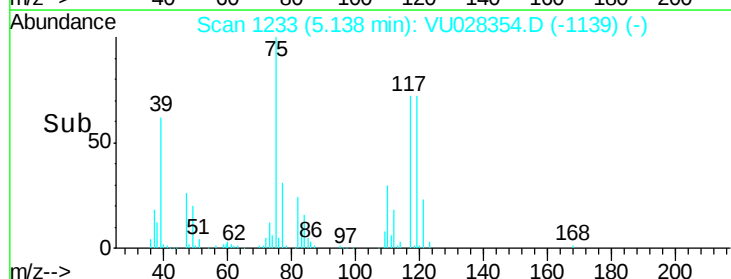
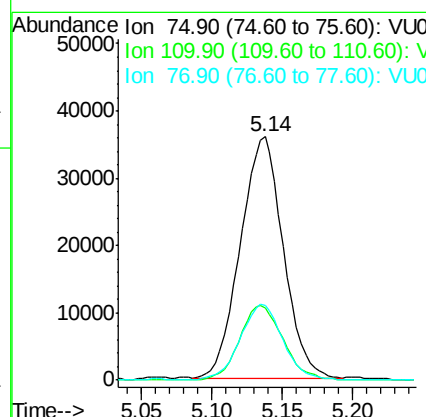
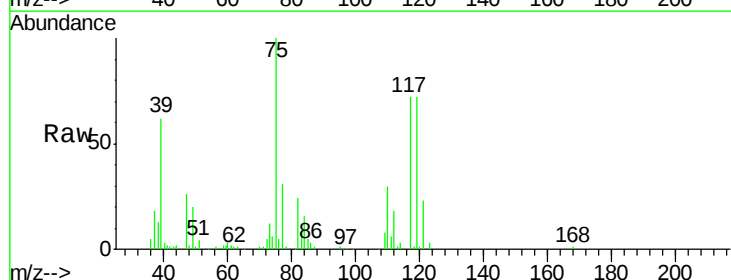
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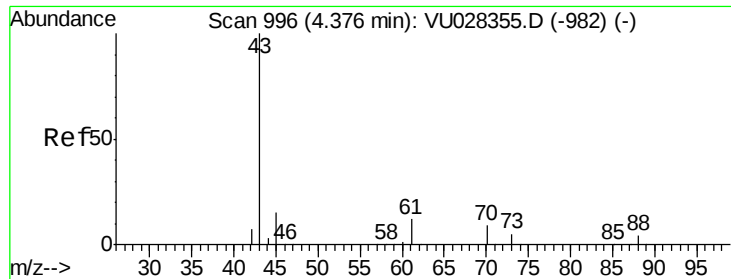
MMDadoda
 11/29/2018 1:22:49 PM



#36
 1,1-Dichloropropene
 Concen: 18.238 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU028354.D
 Acq: 28 Nov 2018 09:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.5	15.8	47.4
77	31.5	24.6	36.8





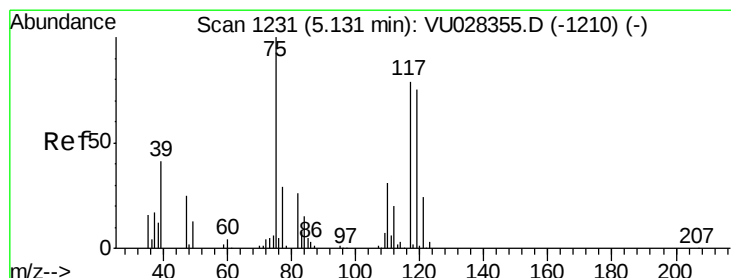
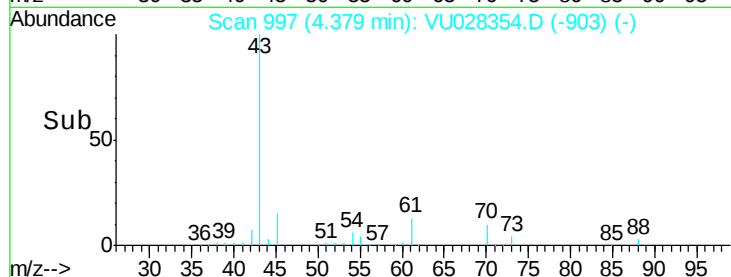
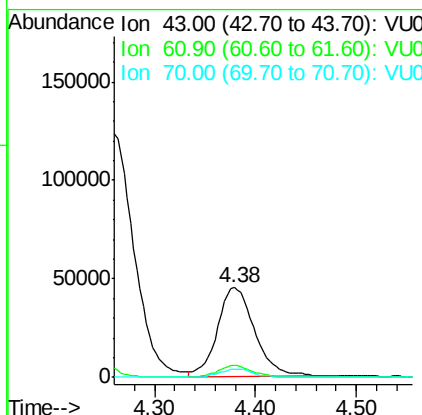
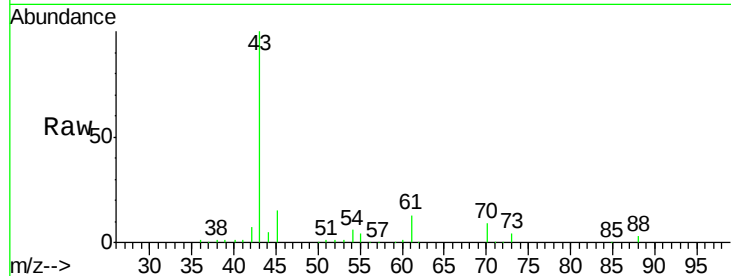
#37
Ethyl Acetate
Concen: 20.333 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.4
70	8.6	6.9	10.3

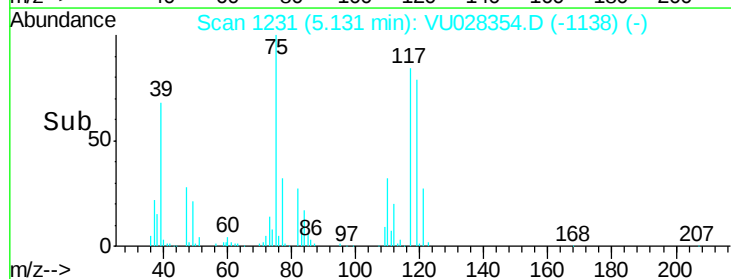
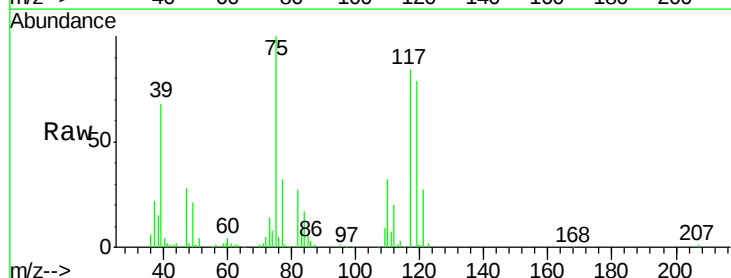
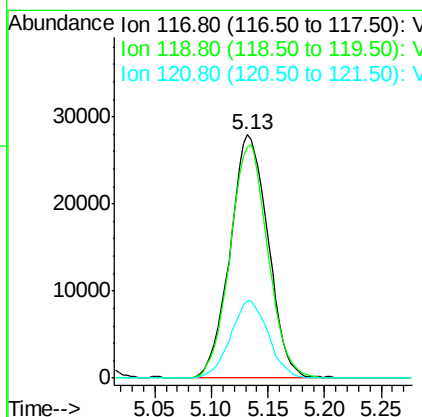
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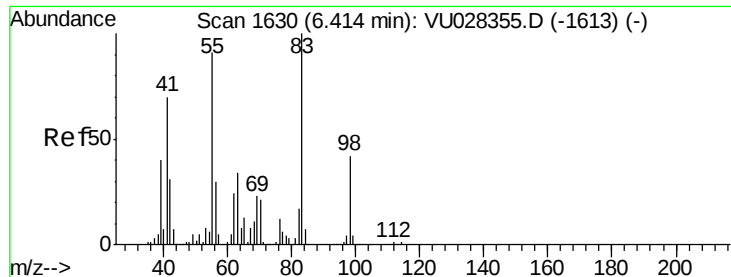
MMDadoda
11/29/2018 1:22:49 PM



#38
Carbon Tetrachloride
Concen: 19.040 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.3	114.5
121	31.9	24.7	37.1





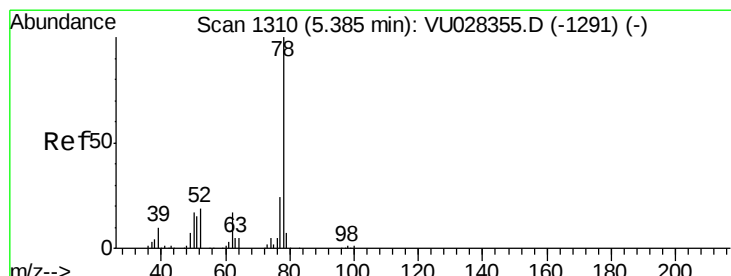
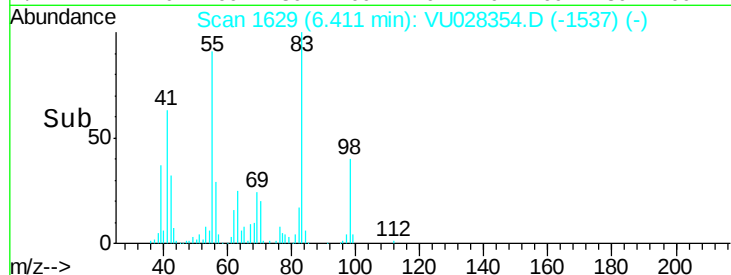
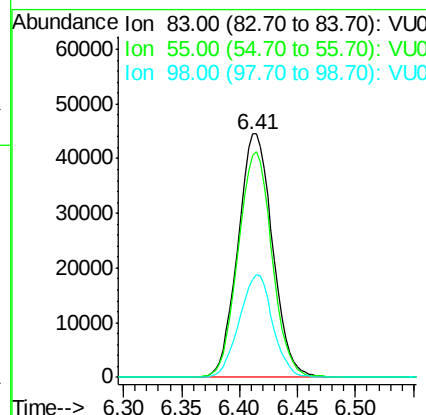
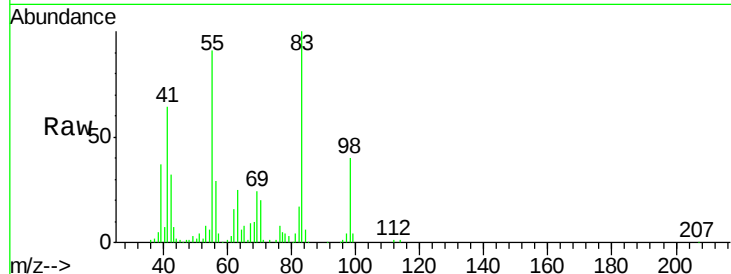
#39
Methvlcvclohexane
Concen: 18.779 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.2	73.1	109.7
98	40.3	33.9	50.9

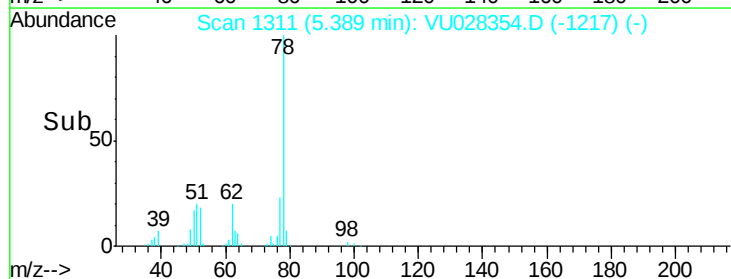
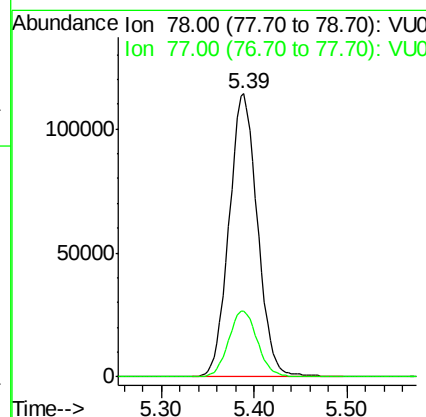
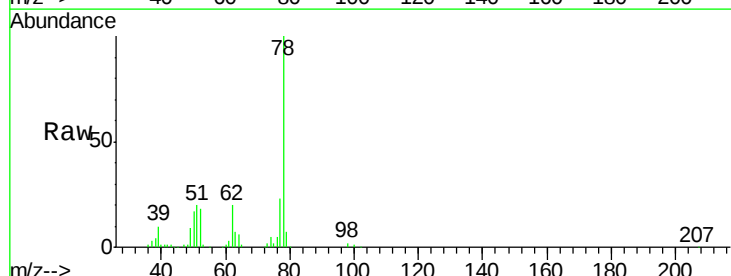
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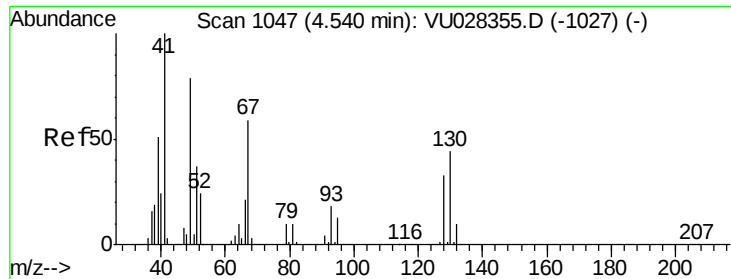
MMDadoda
11/29/2018 1:22:49 PM



#40
Benzene
Concen: 19.664 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6





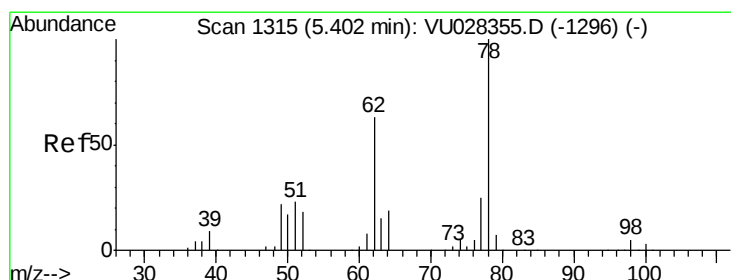
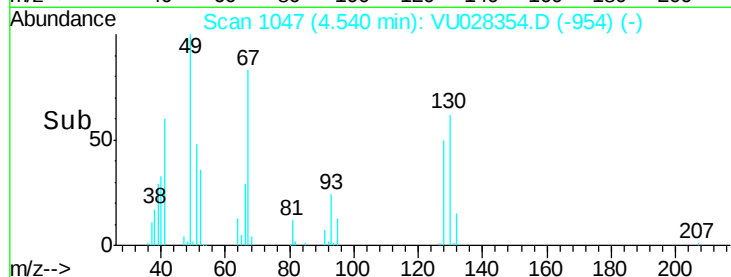
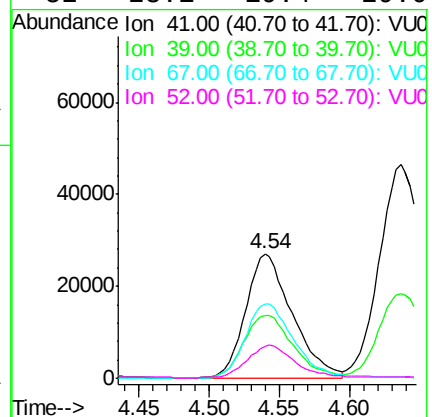
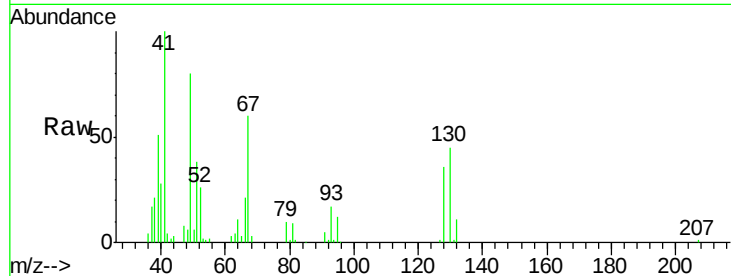
#41
Methacrylonitrile
Concen: 19.863 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.0	41.3	61.9	
67	61.6	48.6	73.0	
52	28.1	19.4	29.0	

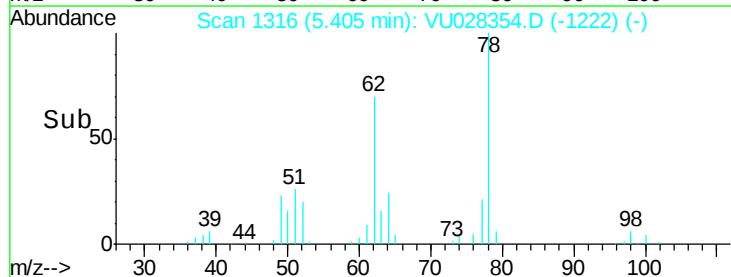
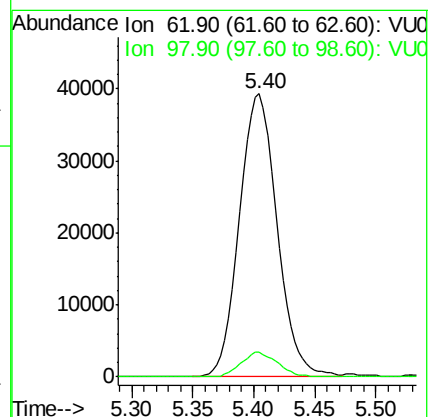
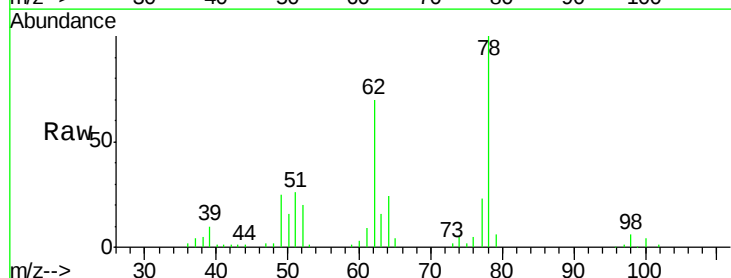
Manual Integrations
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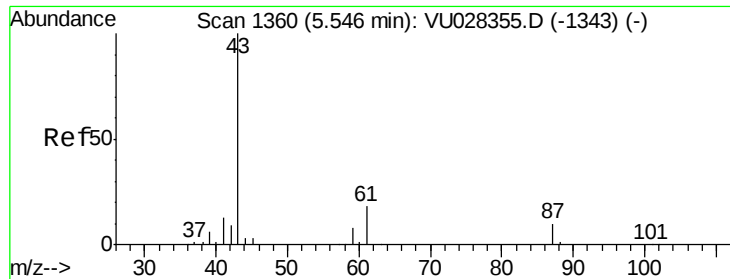
MMDadoda
11/29/2018 1:22:49 PM



#42
1,2-Dichloroethane
Concen: 18.959 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	15.4	





#43

Isopropyl Acetate

Concen: 19.411 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

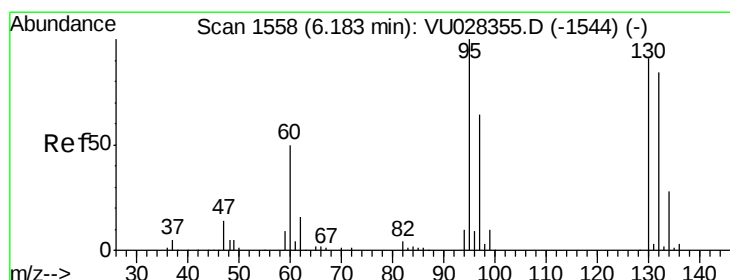
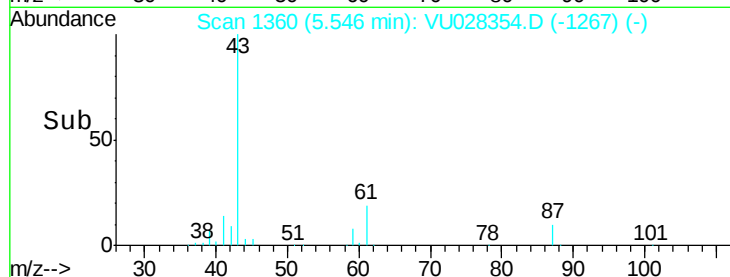
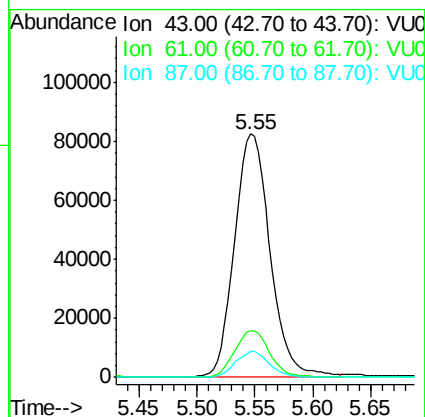
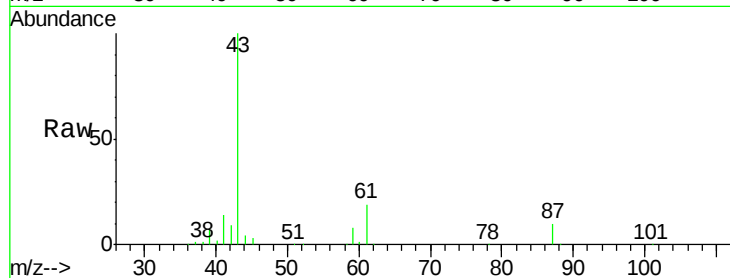
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	174842
Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.5	21.7
87	10.2	8.4	12.6

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#44

Trichloroethene

Concen: 18.753 ug/l

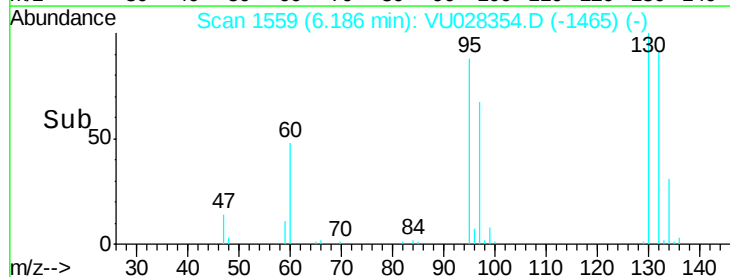
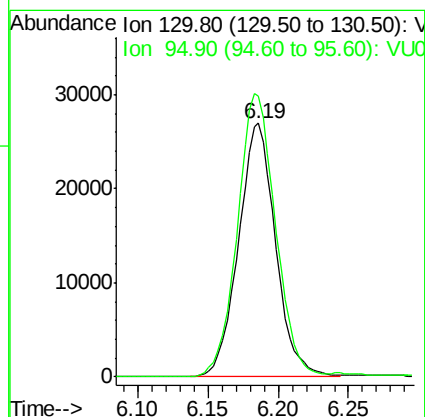
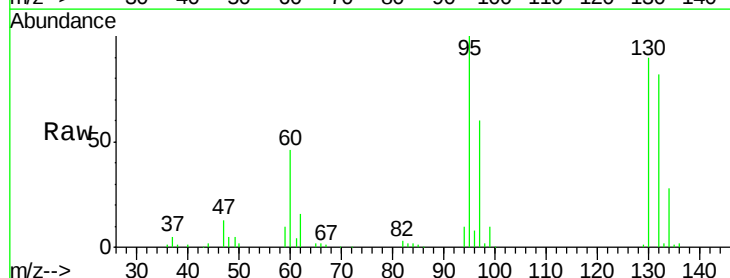
RT: 6.19 min Scan# 1559

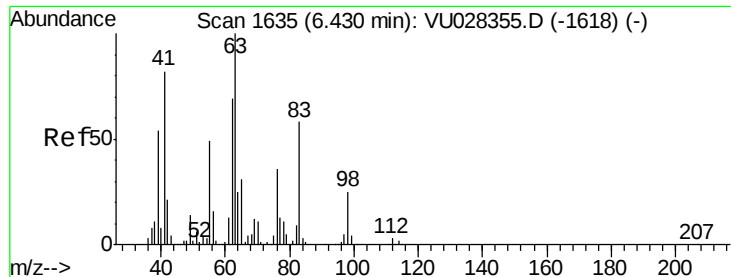
Delta R.T. 0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Tgt Ion:	130	Resp:	49658
Ion	Ratio	Lower	Upper
130	100		
95	110.9	0.0	219.8





#45

1,2-Dichloropropane

Concen: 19.892 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 71964

Ion Ratio Lower Upper

63 100

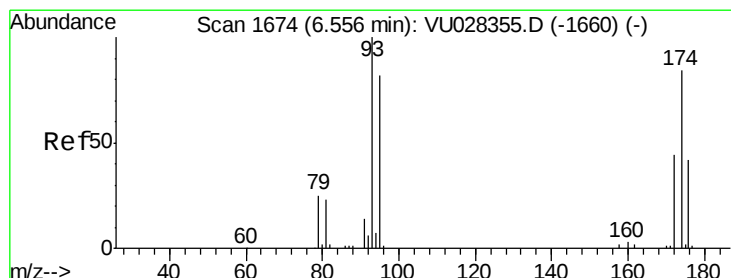
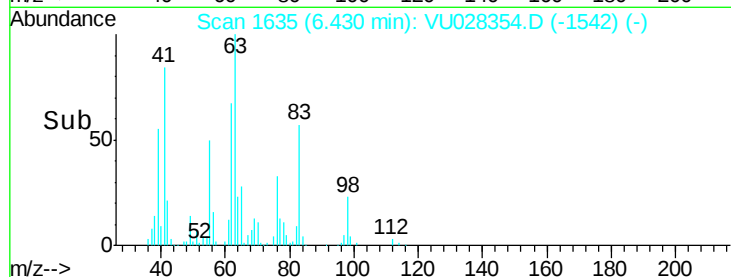
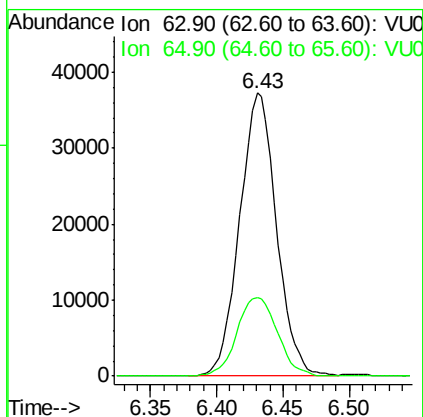
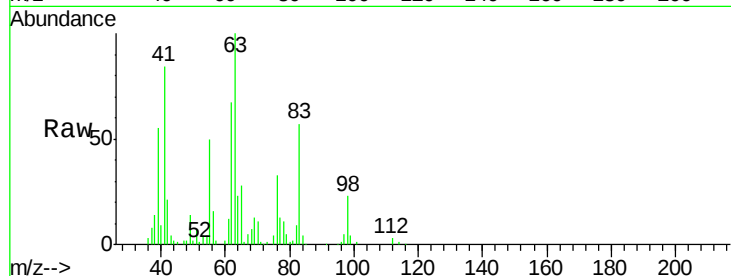
65 27.7 25.1 37.7

Manual Integrations

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#46

Dibromomethane

Concen: 19.622 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

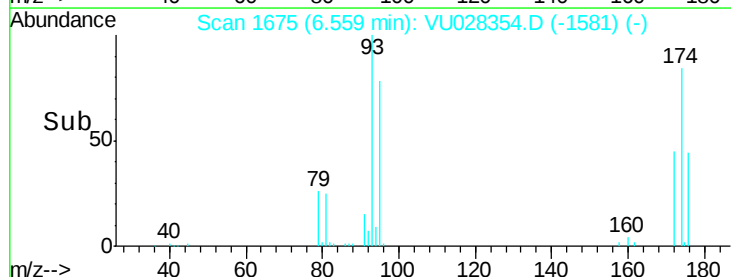
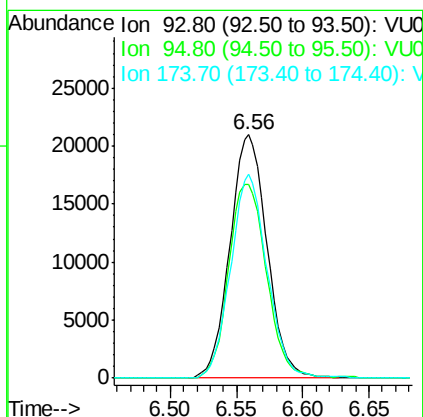
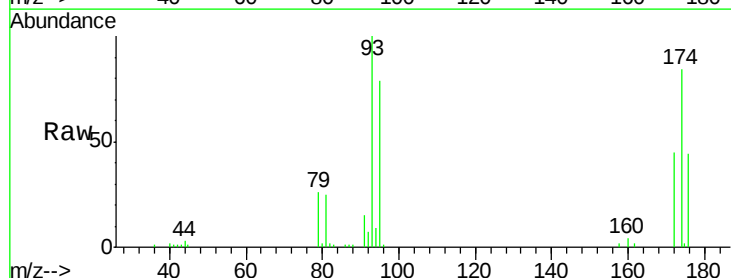
Tgt Ion: 93 Resp: 40774

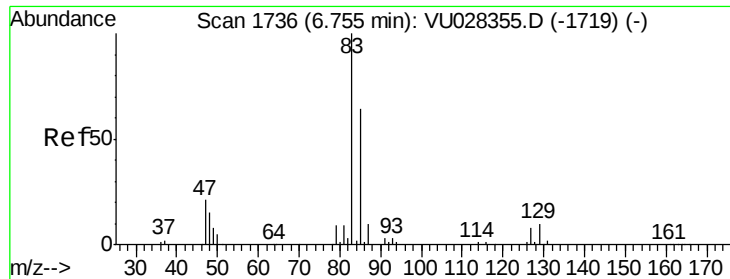
Ion Ratio Lower Upper

93 100

95 81.4 65.1 97.7

174 82.1 69.9 104.9





#47

Bromodichloromethane

Concen: 19.043 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

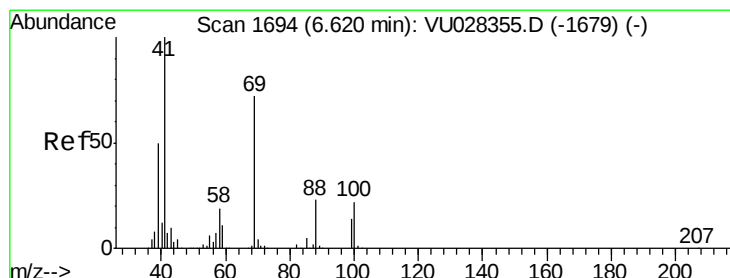
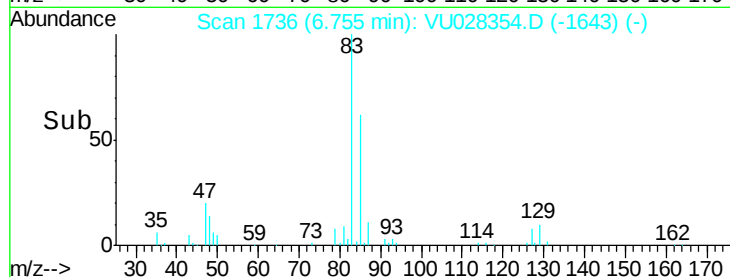
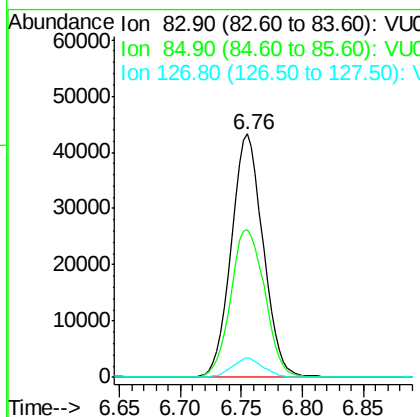
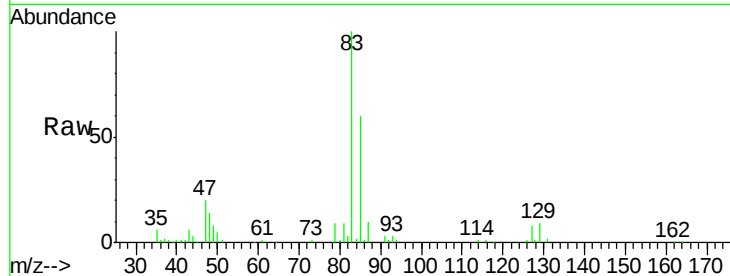
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	78710
Ion	Ratio	Lower	Upper
83	100		
85	60.4	50.9	76.3
127	8.0	6.2	9.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.723 ug/l

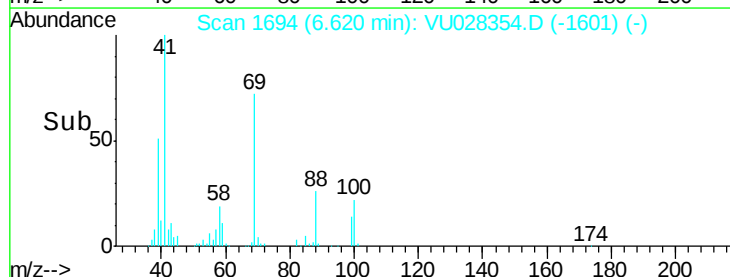
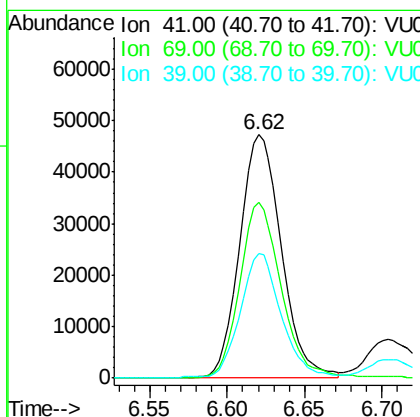
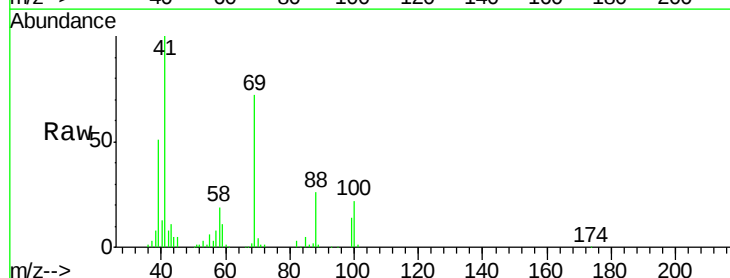
RT: 6.62 min Scan# 1694

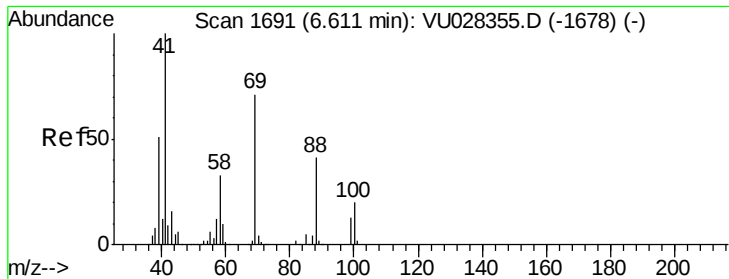
Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Tgt Ion:	41	Resp:	87848
Ion	Ratio	Lower	Upper
41	100		
69	72.5	59.0	88.4
39	51.0	40.5	60.7





#49

1,4-Dioxane

Concen: 383.492 ug/l

RT: 6.61 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

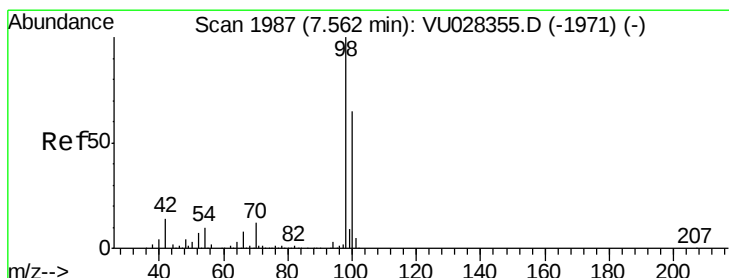
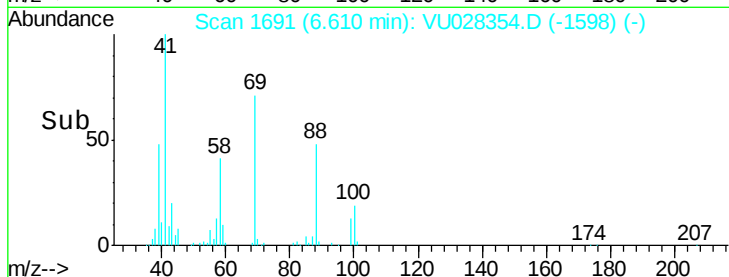
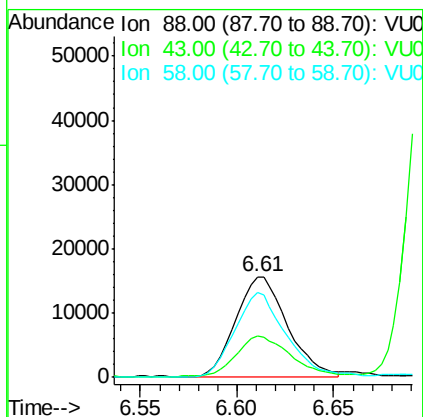
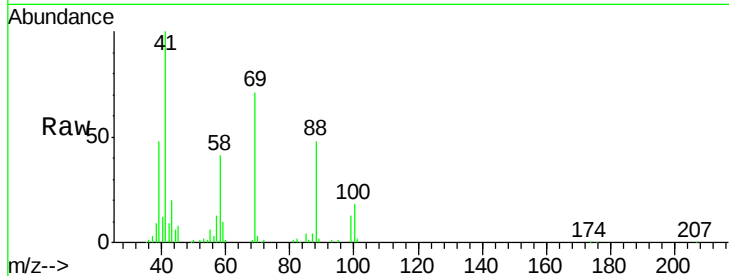
ClientSampled :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.0	32.6	48.8
58	85.1	68.7	103.1

Manual Integrations
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#50

Toluene-d8

Concen: 19.353 ug/l

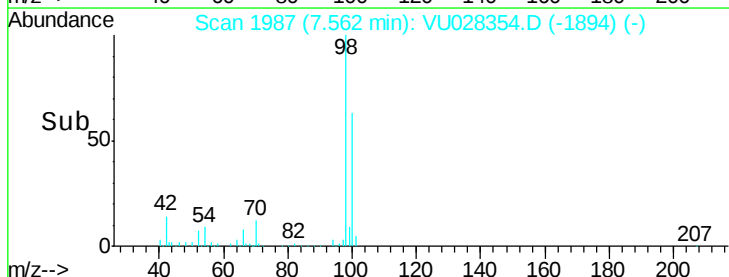
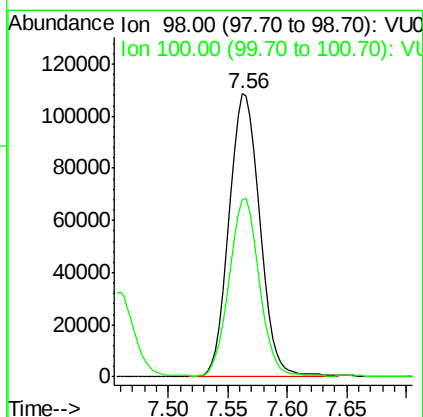
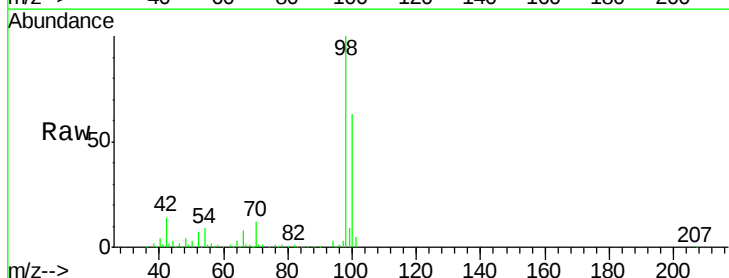
RT: 7.56 min Scan# 1987

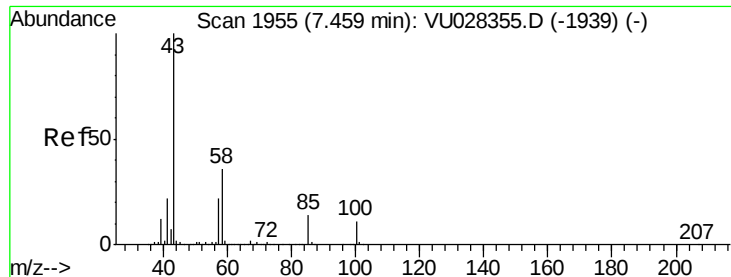
Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	60.8	50.8	76.2





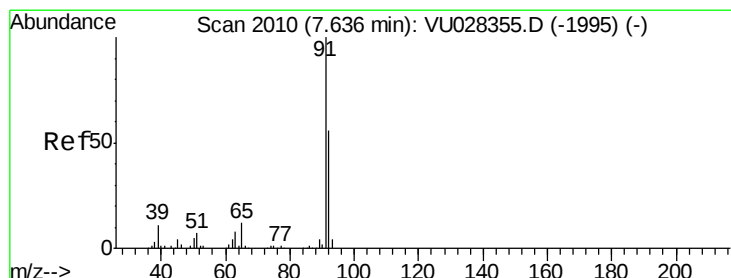
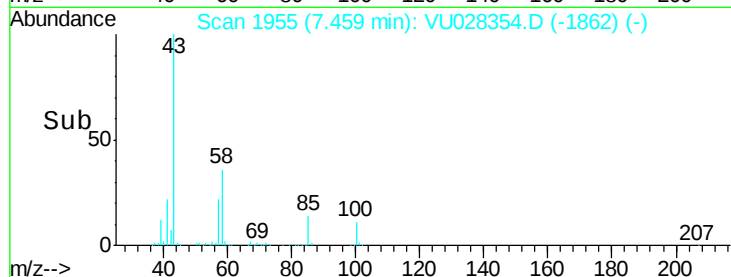
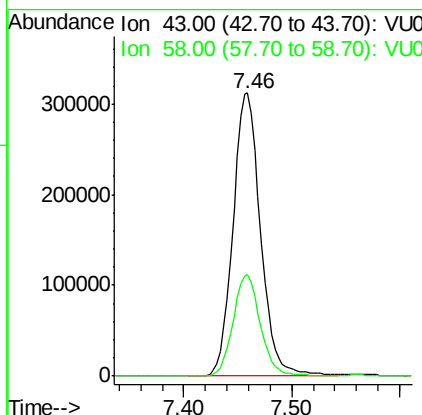
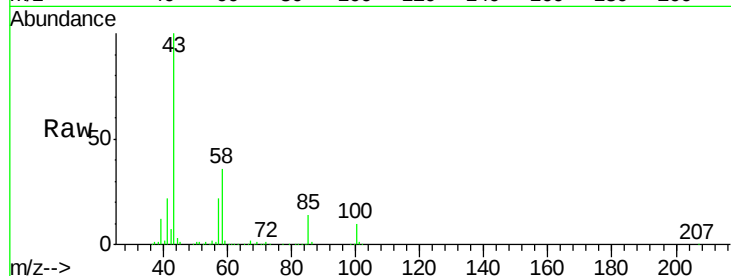
#51
4-Methyl-2-Pentanone
Concen: 96.326 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	554158
Ion Ratio	100	Lower	Upper
58	35.8	28.8	43.2

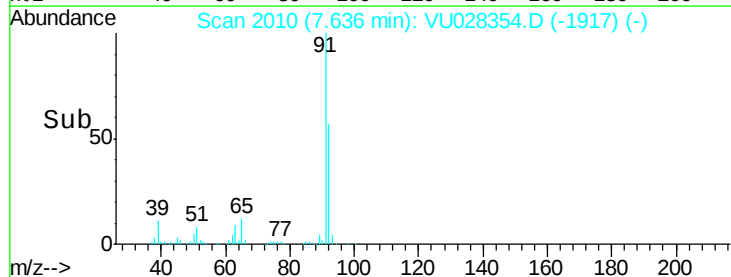
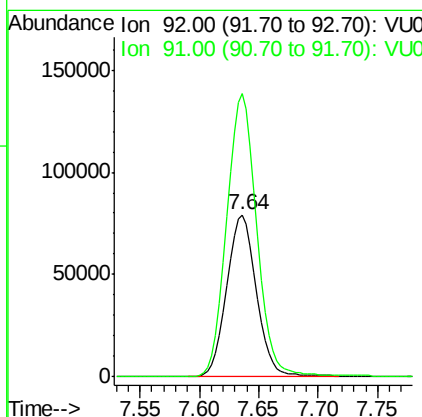
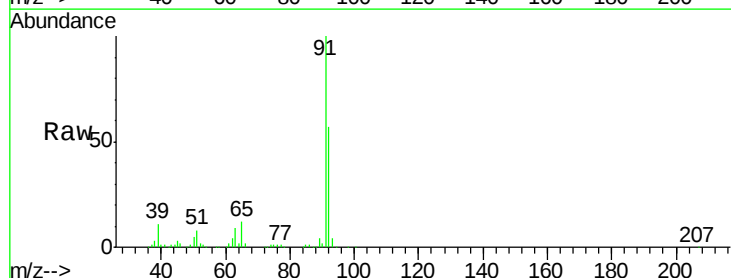
Manual Integrations
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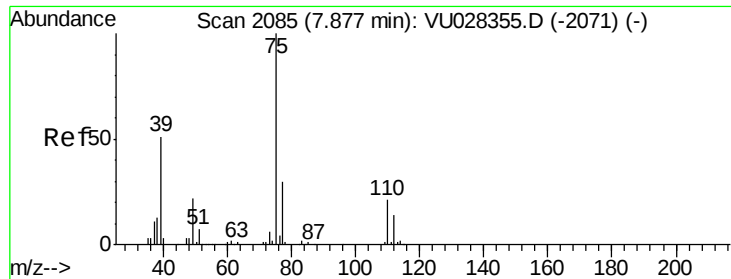
MMDadoda
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#52
Toluene
Concen: 19.355 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Tgt Ion	92	Resp	137687
Ion Ratio	100	Lower	Upper
91	176.0	141.8	212.6





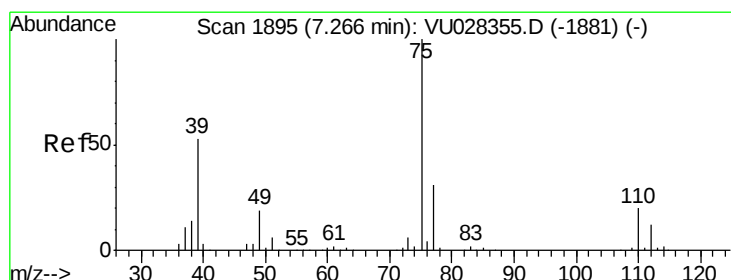
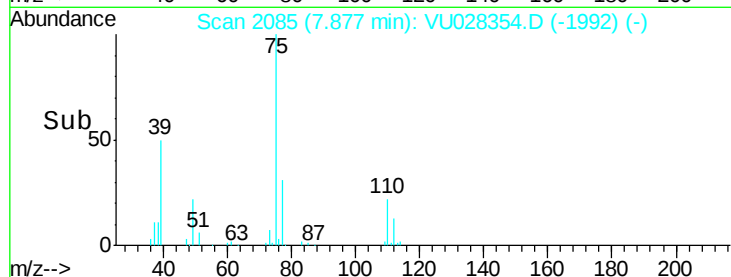
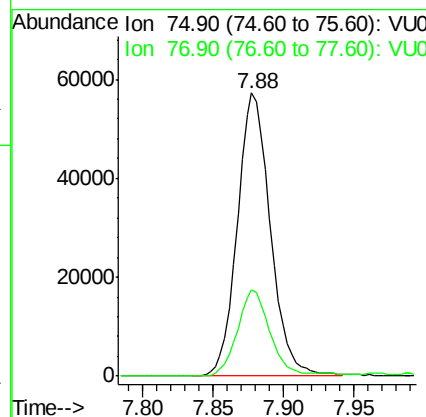
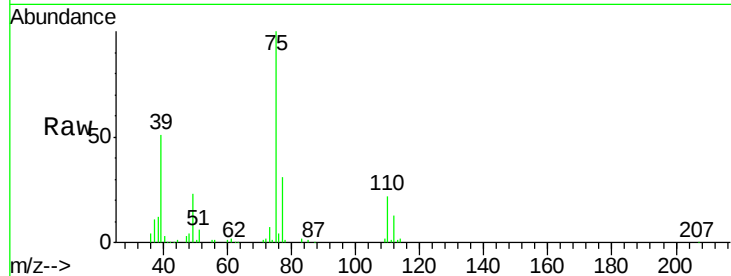
#53
t-1,3-Dichloropropene
Concen: 19.020 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 94002
Ion Ratio Lower Upper
75 100
77 30.6 24.1 36.1

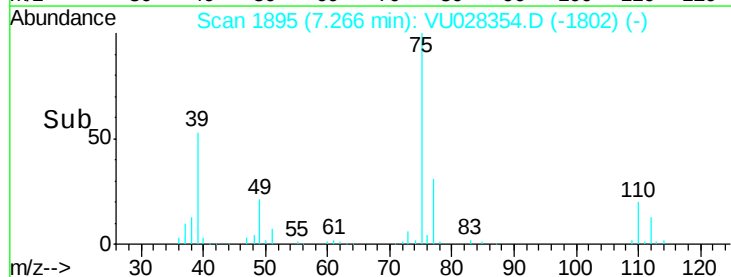
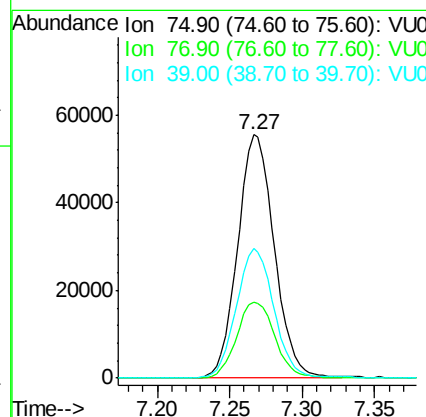
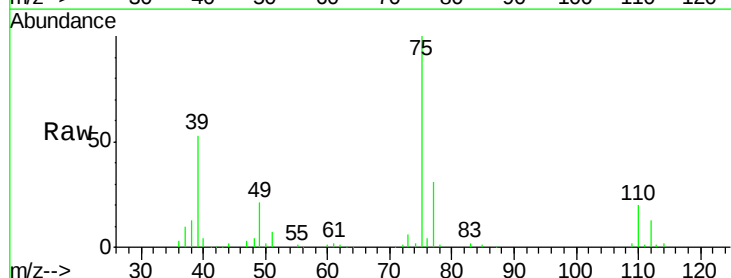
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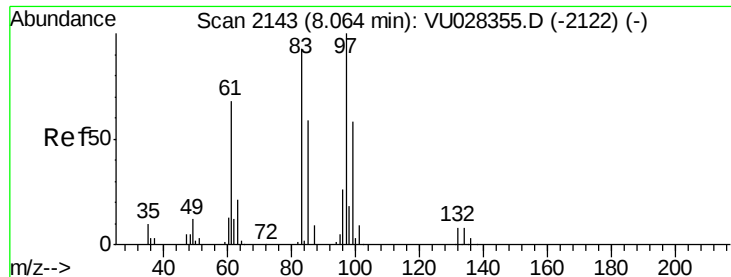
MMDadoda
11/29/2018 1:22:49 PM



#54
cis-1,3-Dichloropropene
Concen: 18.448 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Tgt Ion: 75 Resp: 97678
Ion Ratio Lower Upper
75 100
77 31.2 24.9 37.3
39 52.7 42.6 64.0





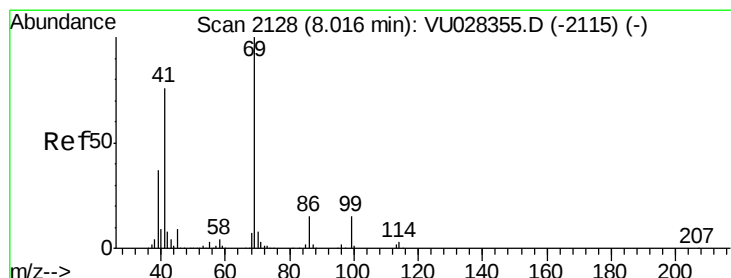
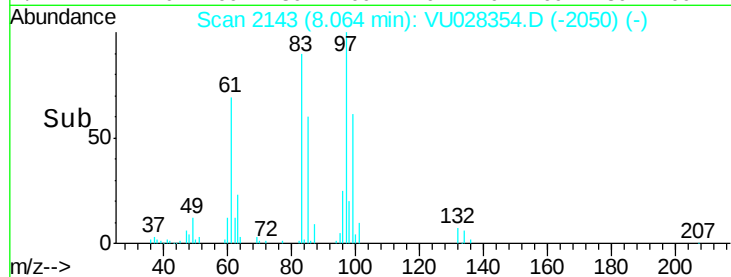
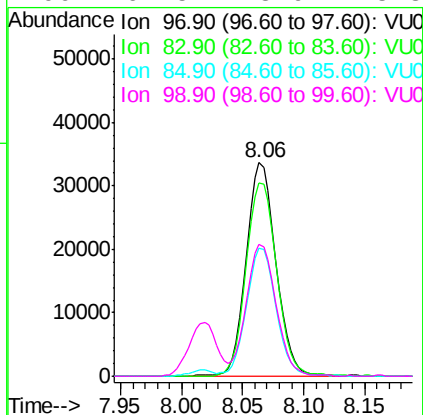
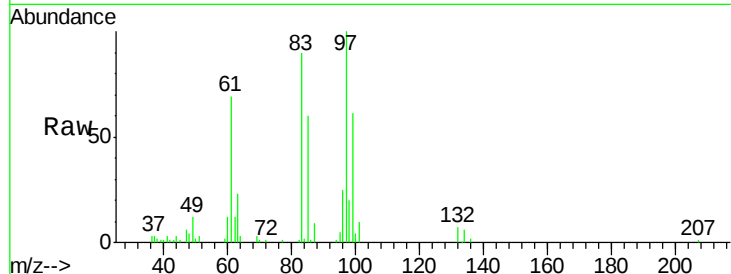
#55
 1,1,2-Trichloroethane
 Concen: 19.000 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028354.D
 Acq: 28 Nov 2018 09:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	56254
Ion	Ratio	Lower	Upper
97	100		
83	90.3	74.3	111.5
85	59.6	47.2	70.8
99	61.5	48.9	73.3

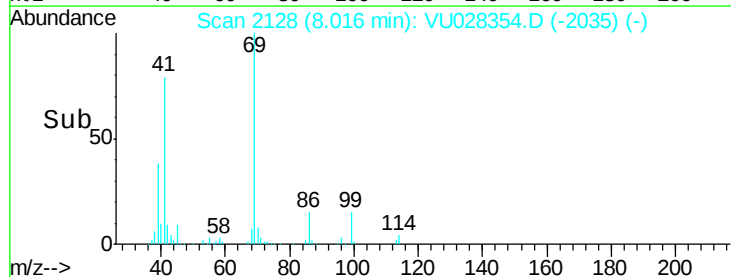
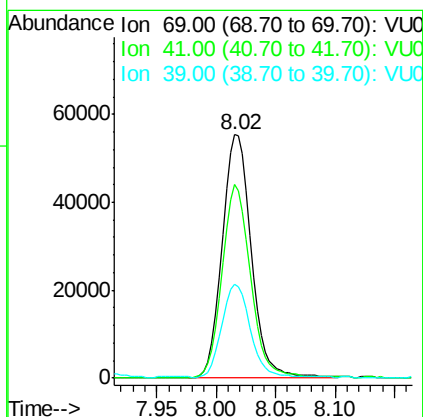
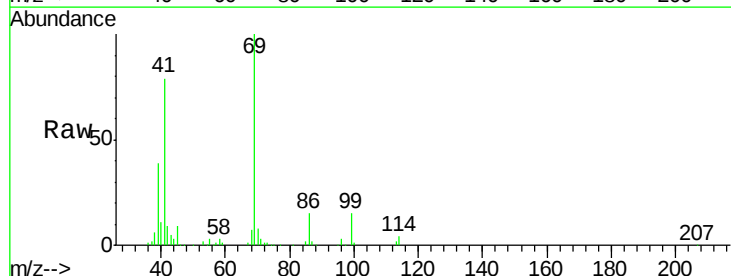
Manual Integrations
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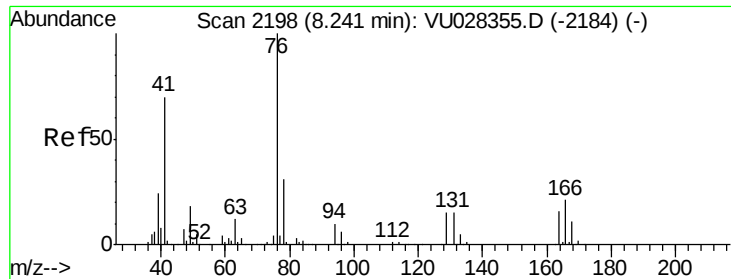
MMDadoda
 11/29/2018 1:22:49 PM



#56
 Ethyl methacrylate
 Concen: 18.729 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028354.D
 Acq: 28 Nov 2018 09:59

Tgt Ion:	69	Resp:	94336
Ion	Ratio	Lower	Upper
69	100		
41	77.8	60.0	90.0
39	37.0	29.0	43.6





#57

1,3-Dichloropropane

Concen: 19.013 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 103228

Ion Ratio Lower Upper

76 100

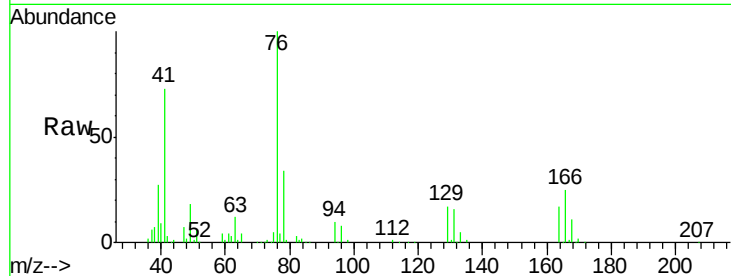
78 32.8 25.4 38.0

Manual Integrations

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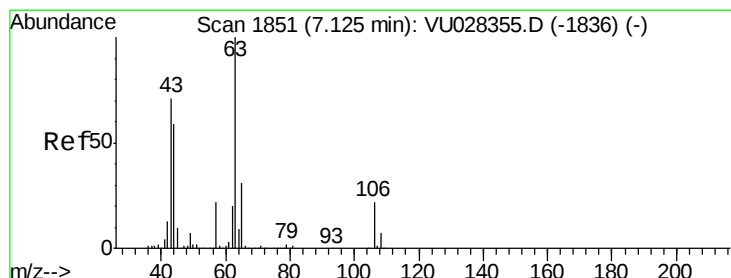
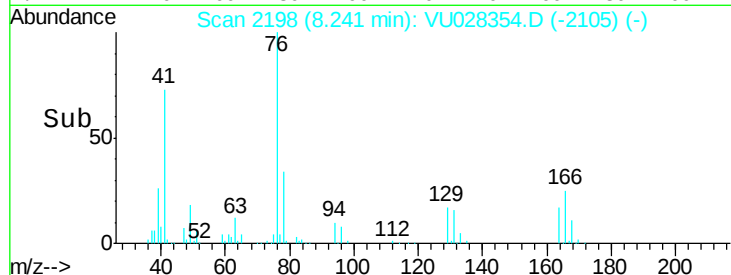
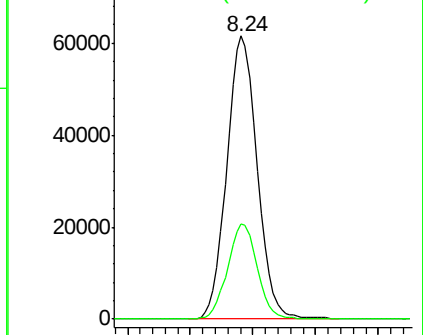
MMDadoda

11/29/2018 1:22:49 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 97.655 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028354.D

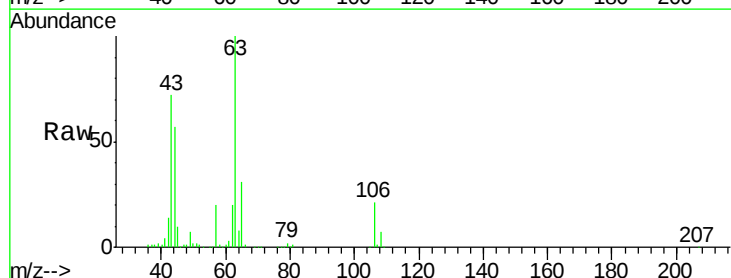
Acq: 28 Nov 2018 09:59

Tgt Ion: 63 Resp: 264077

Ion Ratio Lower Upper

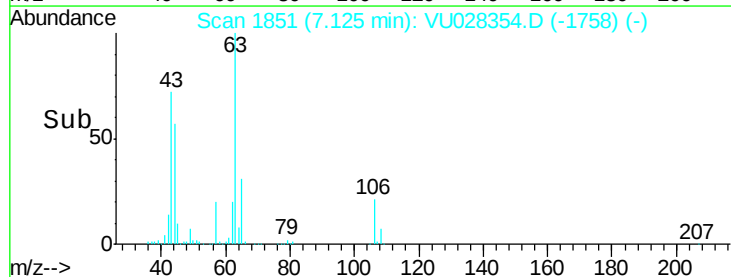
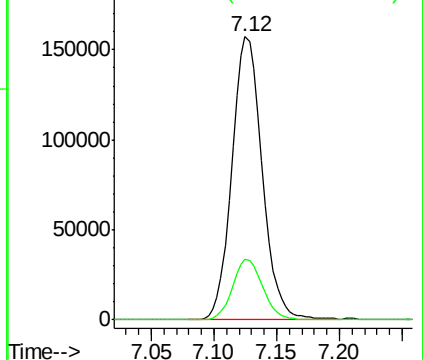
63 100

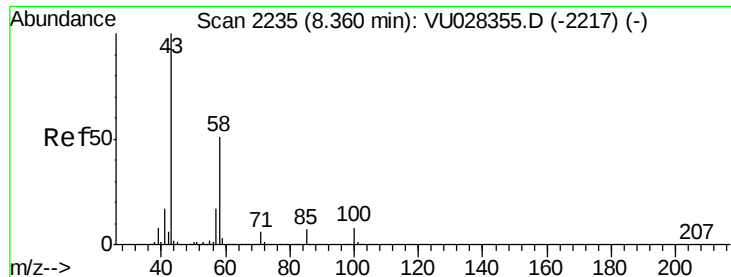
106 21.4 17.3 25.9



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





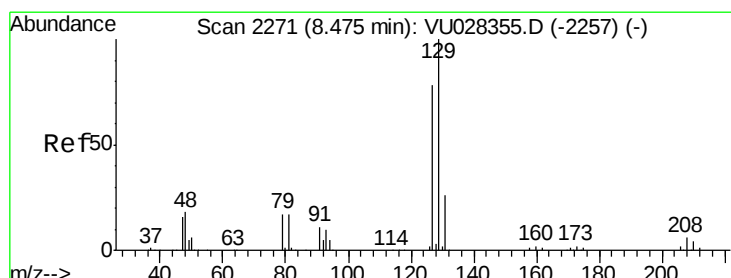
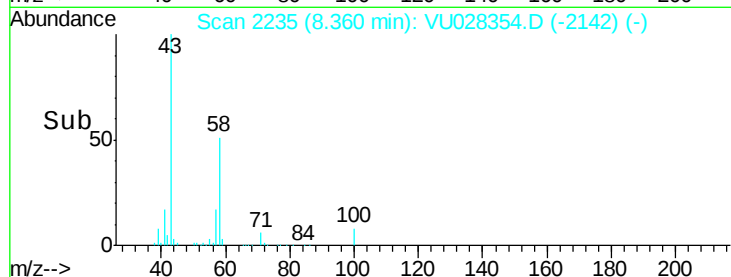
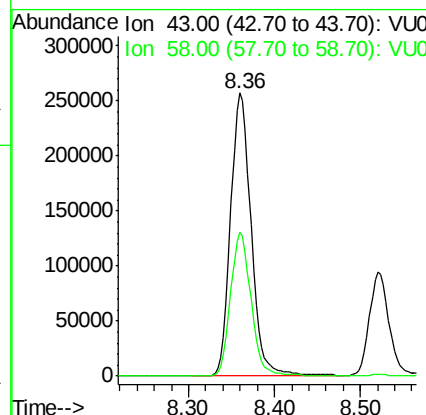
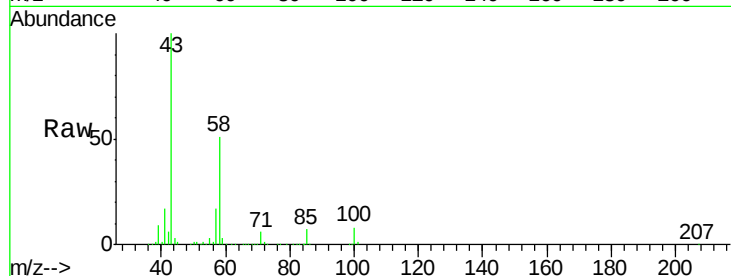
#59
2-Hexanone
Concen: 96.049 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.0	25.5	76.5

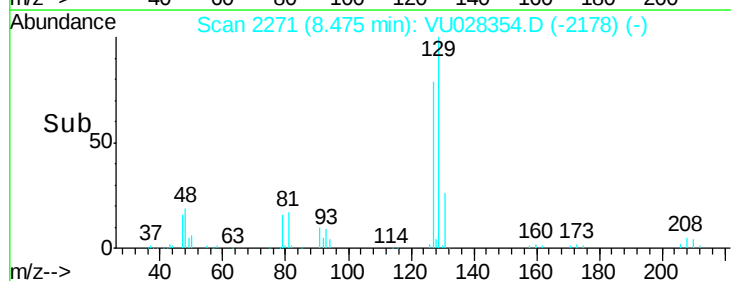
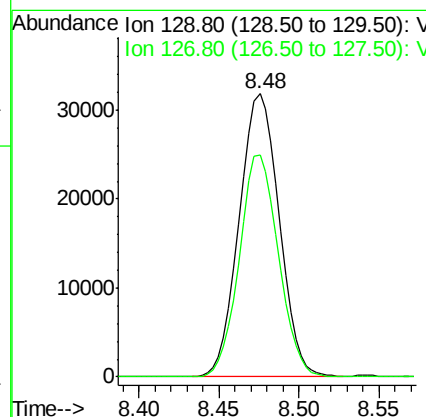
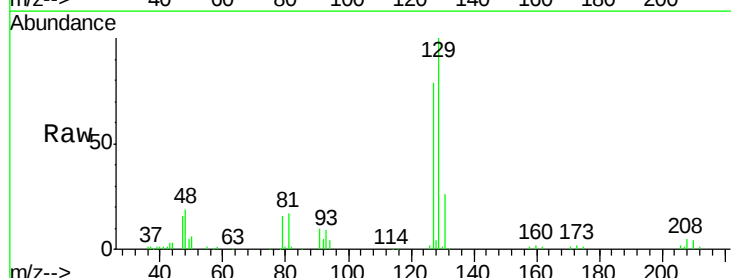
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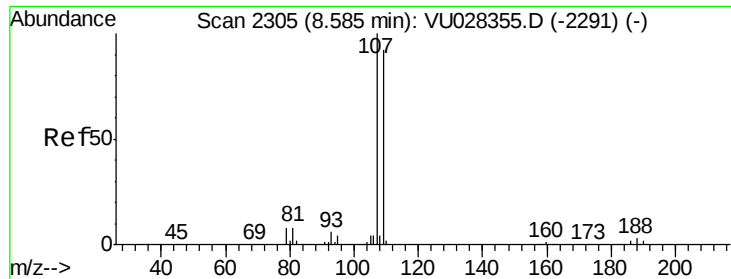
MMDadoda
11/29/2018 1:22:49 PM



#60
Dibromochloromethane
Concen: 19.279 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.9	116.7





#61

1,2-Dibromoethane

Concen: 19.464 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 59022

Ion Ratio Lower Upper

107 100

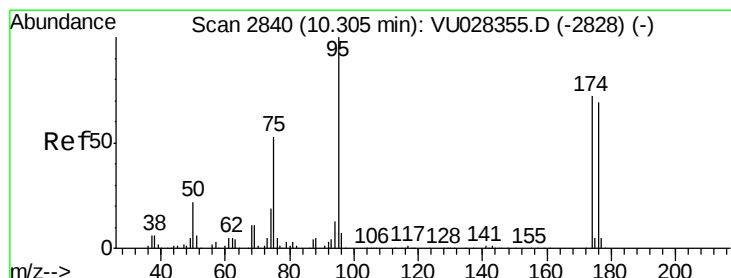
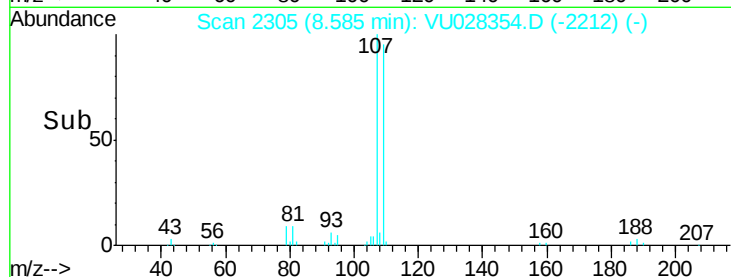
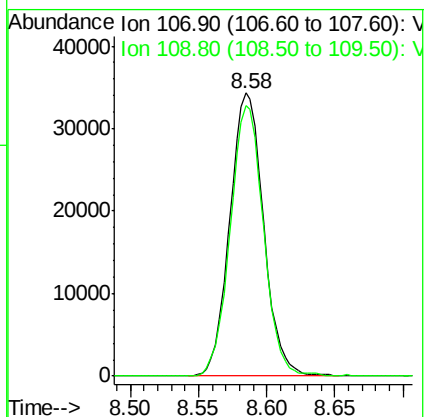
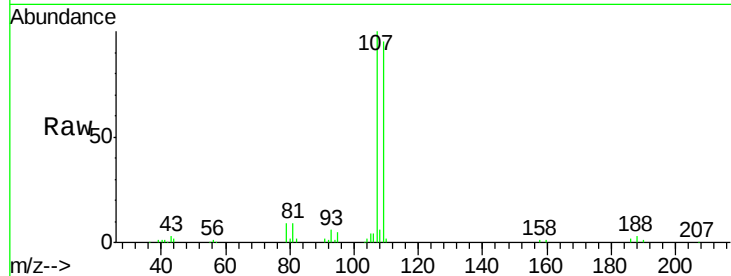
109 93.6 73.2 109.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 18.346 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

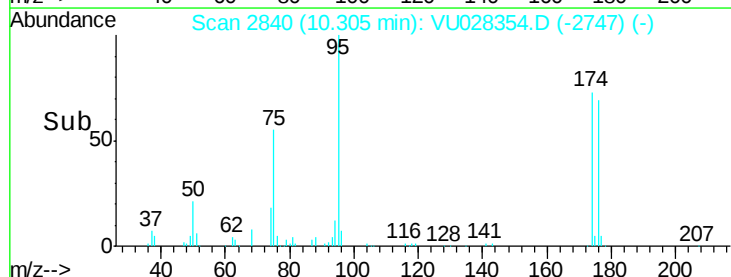
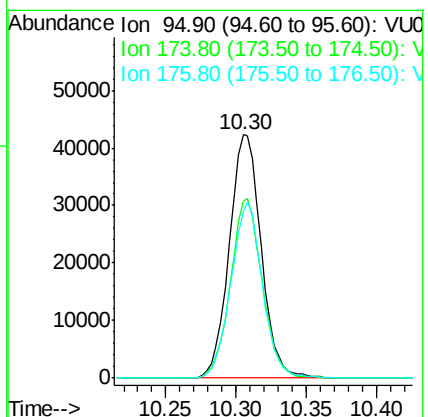
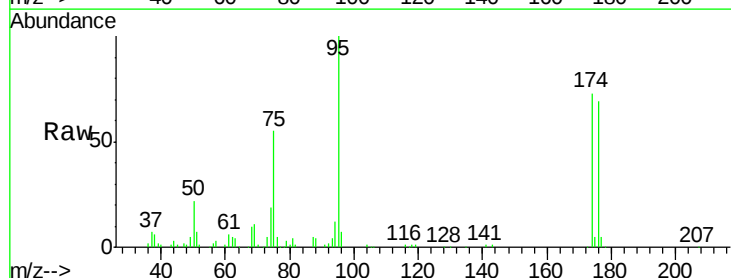
Tgt Ion: 95 Resp: 67028

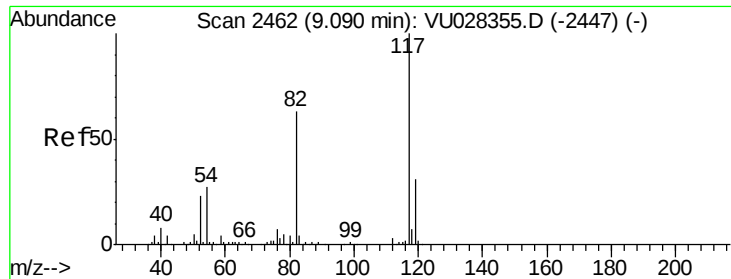
Ion Ratio Lower Upper

95 100

174 73.0 0.0 145.4

176 71.2 0.0 140.8





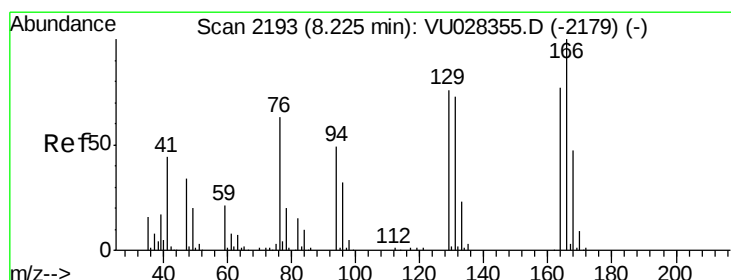
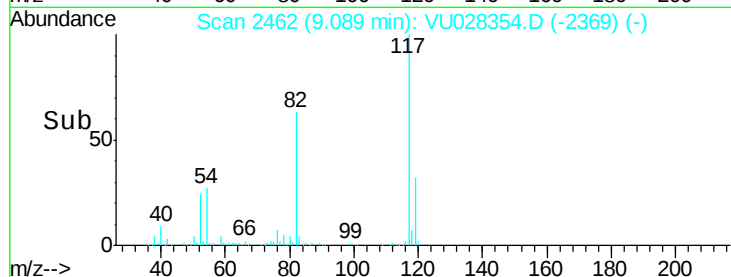
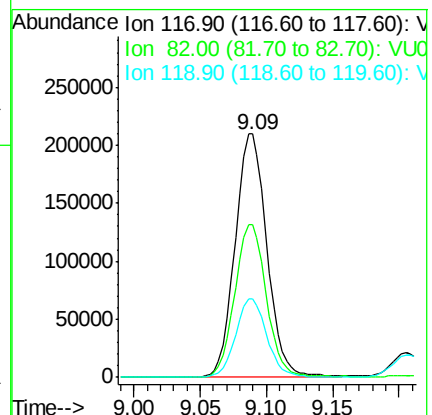
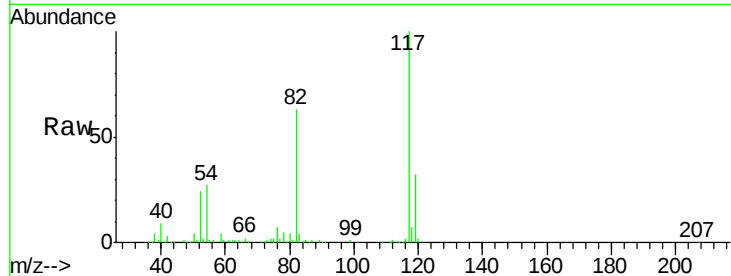
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.0	50.3	75.5
119	32.4	24.8	37.2

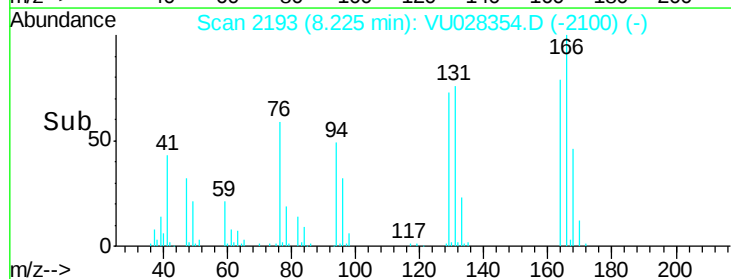
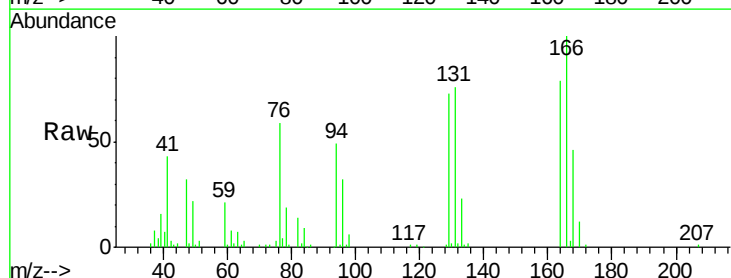
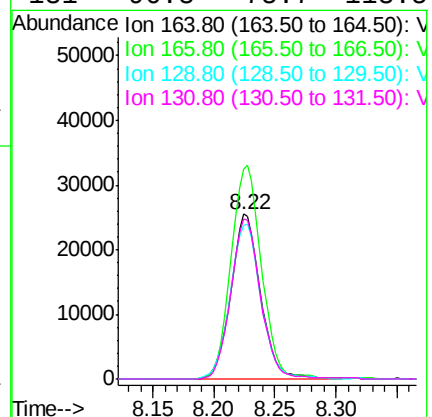
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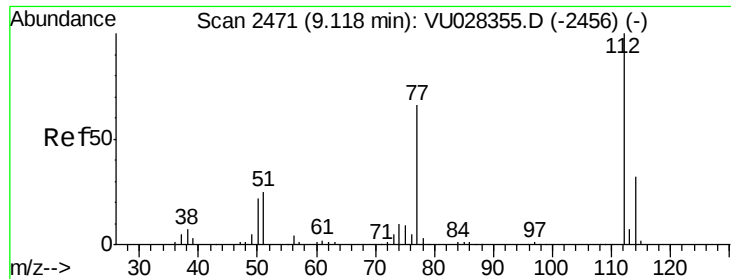
MMDadoda
11/29/2018 1:22:49 PM



#64
Tetrachloroethene
Concen: 18.924 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	104.0	156.0
129	93.2	79.2	118.8
131	96.8	75.7	113.5





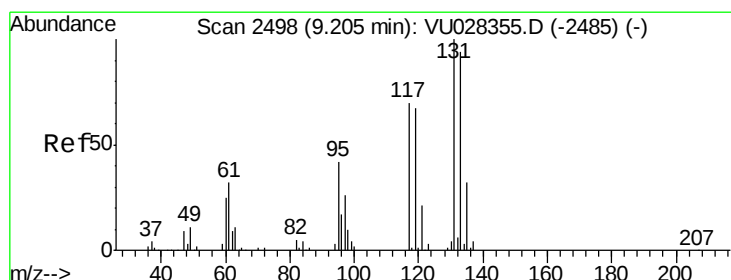
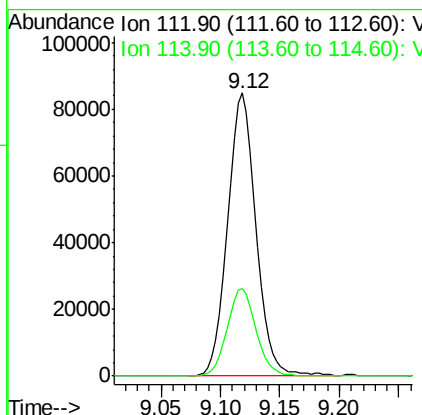
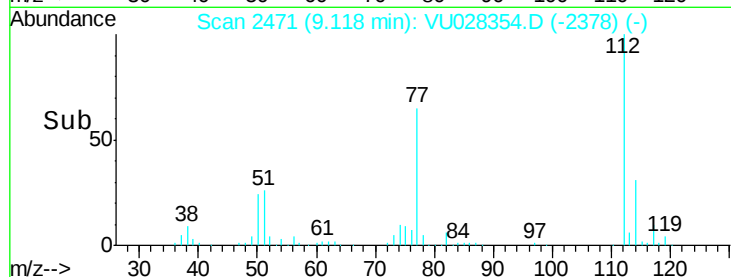
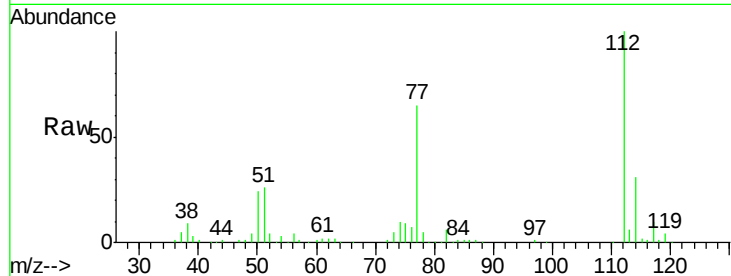
#65
Chlorobenzene
Concen: 19.294 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 140406
Ion Ratio Lower Upper
112 100
114 31.2 25.7 38.5

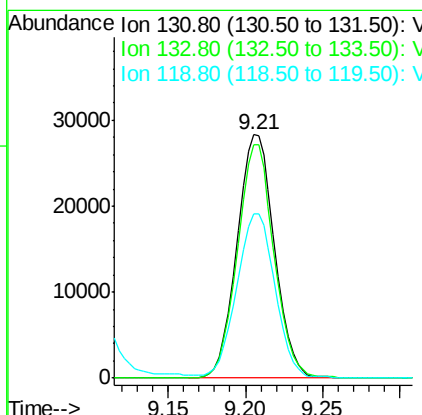
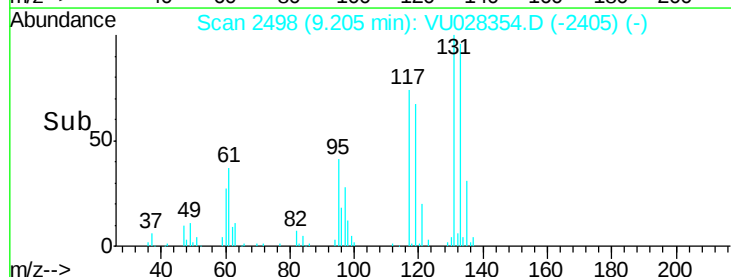
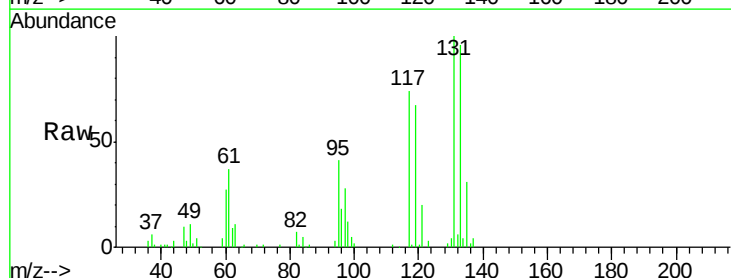
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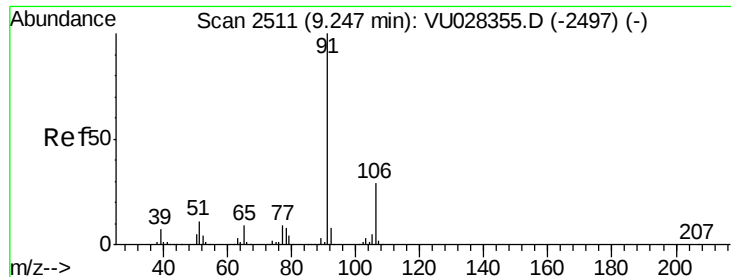
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.030 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Tgt Ion:131 Resp: 47470
Ion Ratio Lower Upper
131 100
133 93.9 47.3 141.8
119 69.6 34.1 102.2





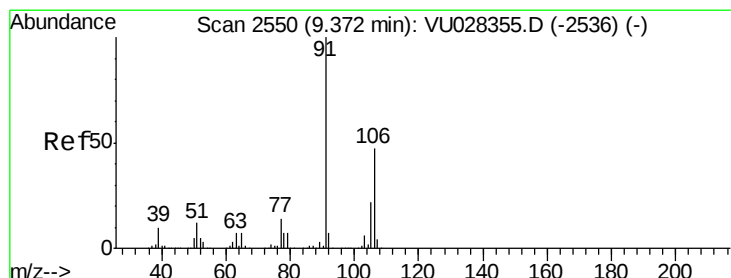
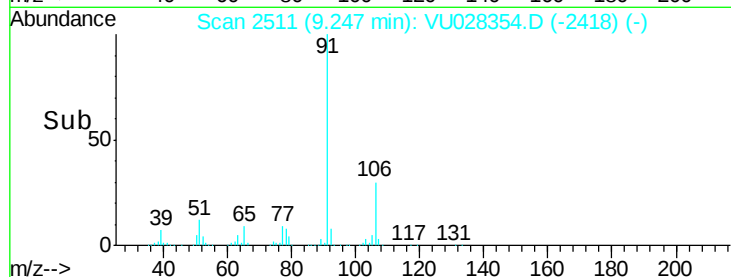
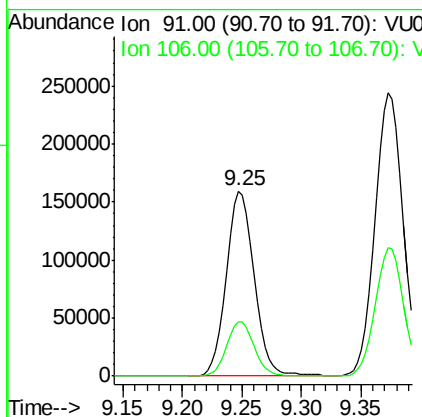
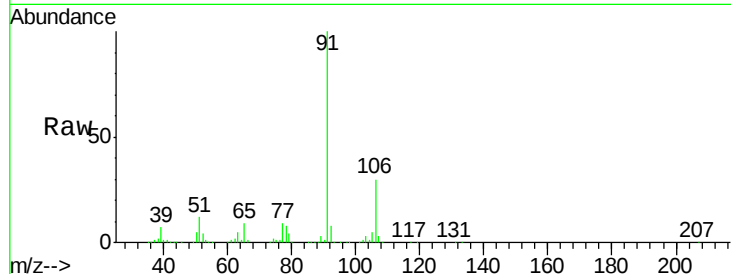
#67
Ethyl Benzene
Concen: 18.939 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 259589
Ion Ratio Lower Upper
91 100
106 29.6 23.3 34.9

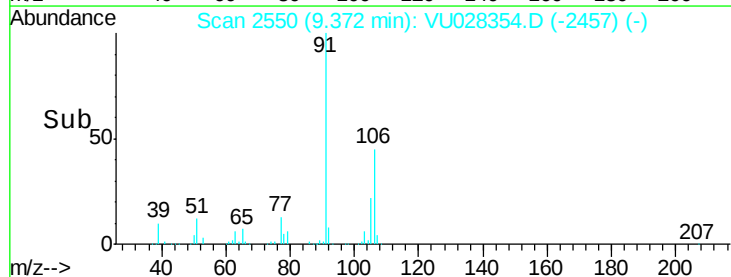
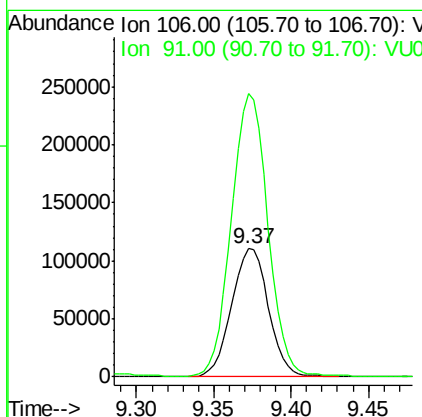
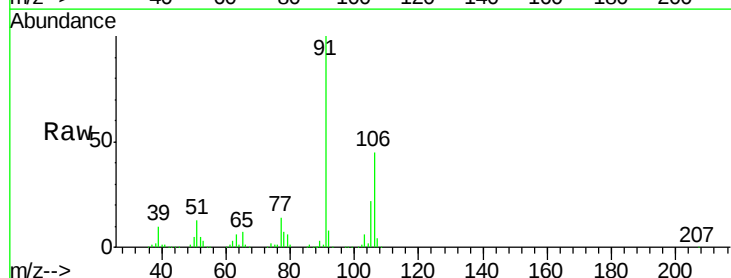
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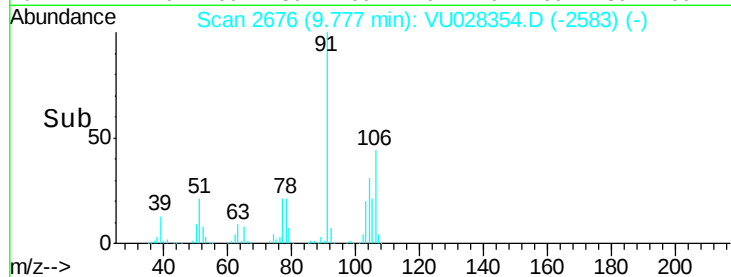
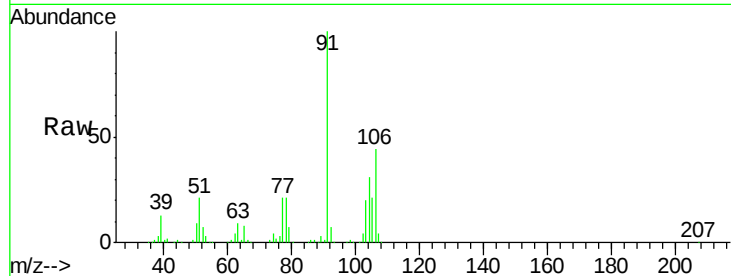
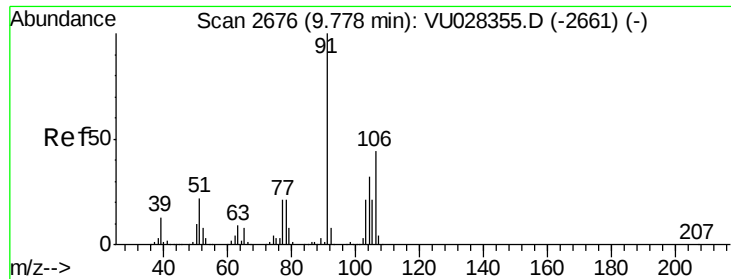
MMDadoda
11/29/2018 1:22:49 PM



#68
m/p-Xylenes
Concen: 36.915 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Tgt Ion: 106 Resp: 182114
Ion Ratio Lower Upper
106 100
91 220.3 171.0 256.6





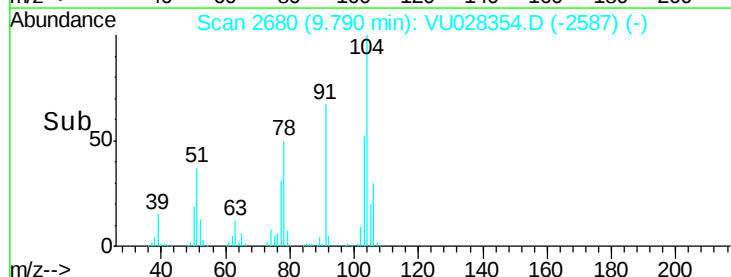
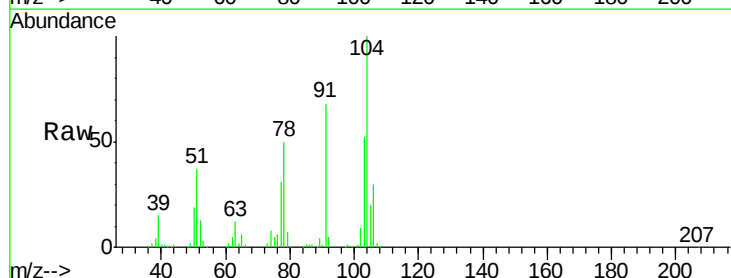
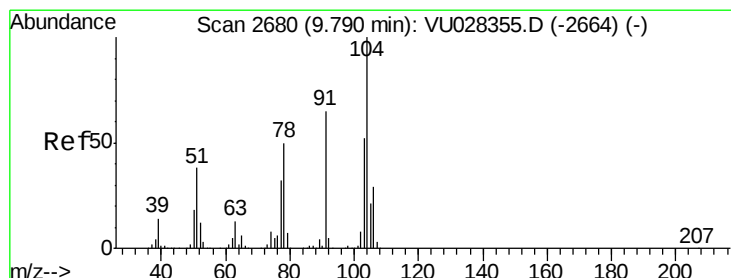
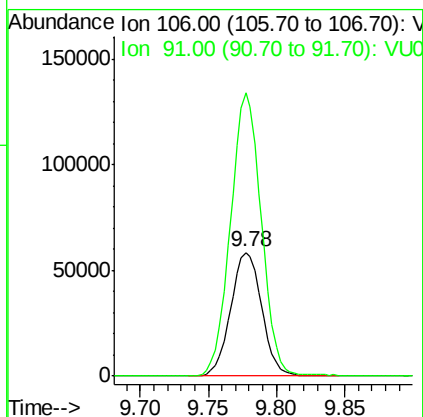
#69
o-Xylene
Concen: 18.837 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Tot Ion:106 Resp: 92380
Ion Ratio Lower Upper
106 100
91 227.7 112.7 338.0

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

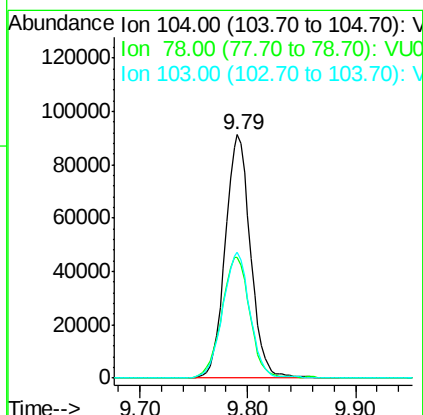
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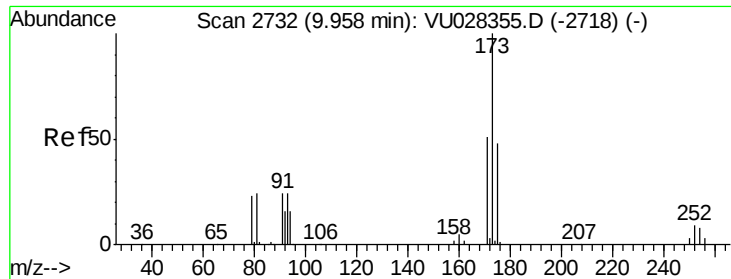
MMDadoda
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#70
Styrene
Concen: 18.868 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Tgt Ion:104 Resp: 149237
Ion Ratio Lower Upper
104 100
78 55.0 43.3 64.9
103 55.1 44.8 67.2





#71

Bromoform

Concen: 18.829 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 39479

Ion Ratio Lower Upper

173 100

175 47.1 24.1 72.4

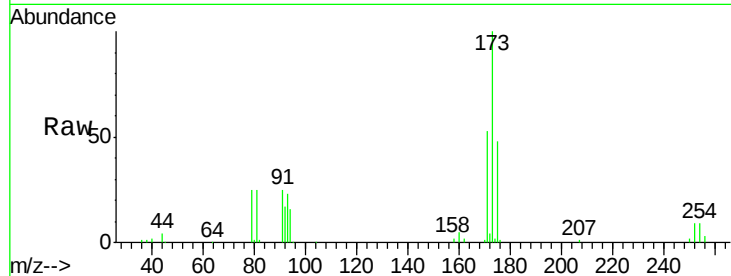
254 0.0 0.0 0.0

Manual Integrations

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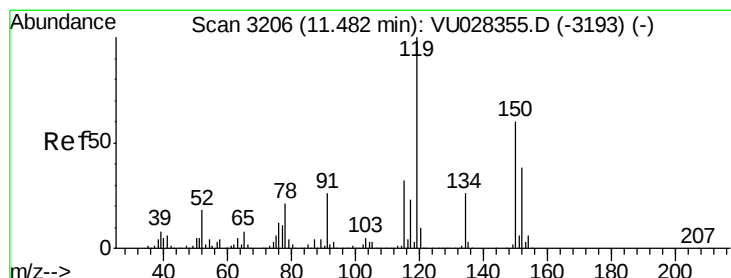
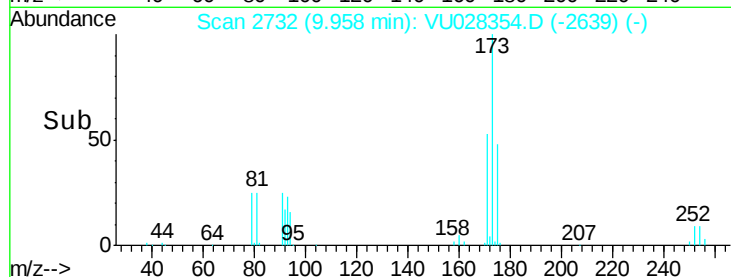
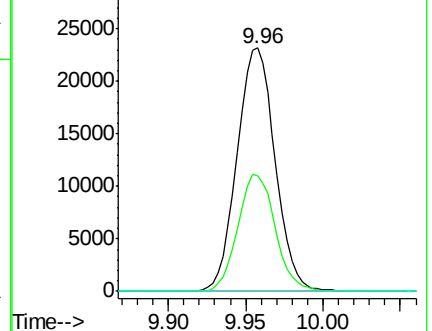
11/29/2018 1:22:49 PM



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: VU028354.D

Acq: 28 Nov 2018 09:59

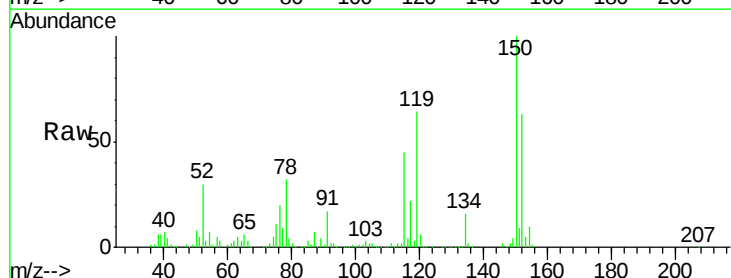
Tgt Ion:152 Resp: 155567

Ion Ratio Lower Upper

152 100

115 75.1 45.0 134.8

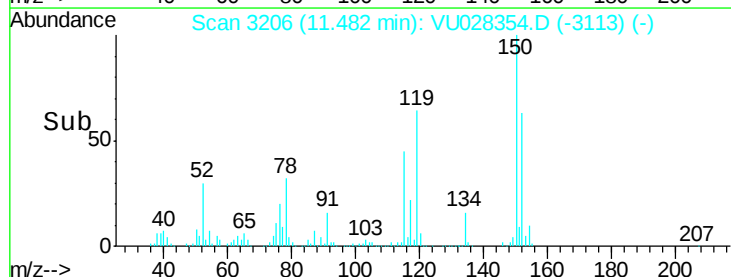
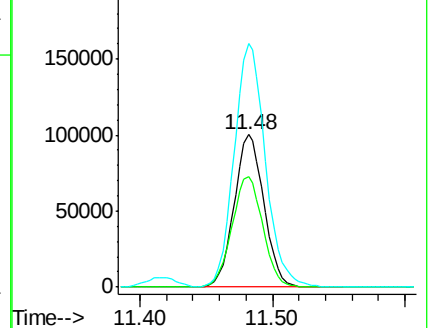
150 167.2 0.0 349.2

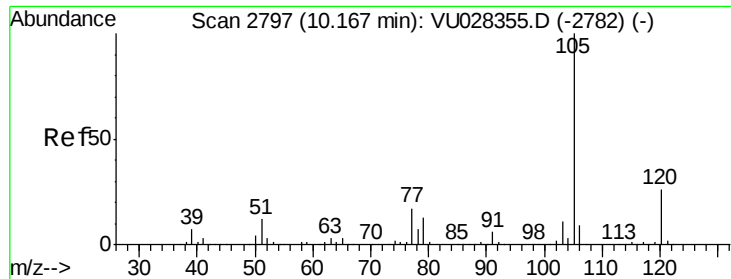


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.073 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 242863

Ion Ratio Lower Upper

105 100

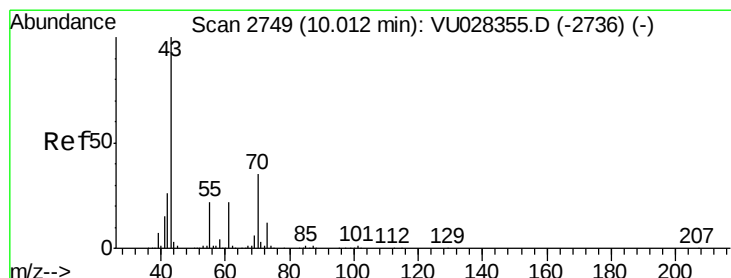
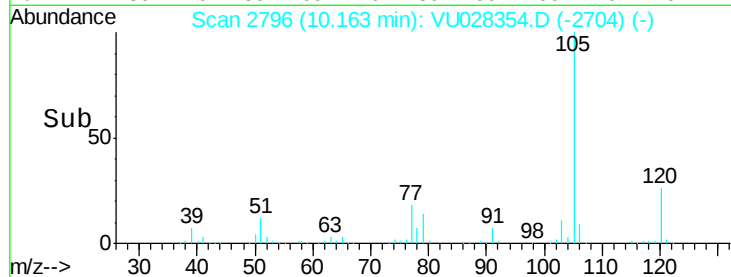
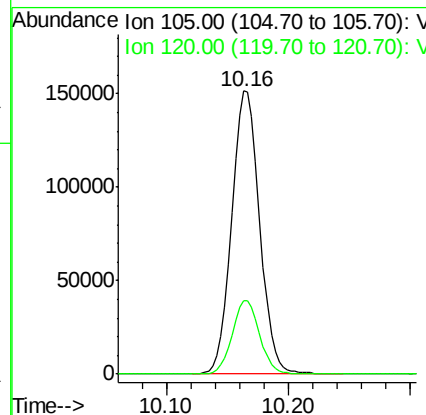
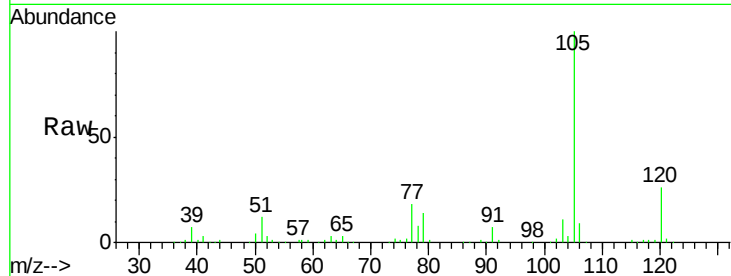
120 25.6 12.8 38.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.844 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Tgt Ion: 43 Resp: 150431

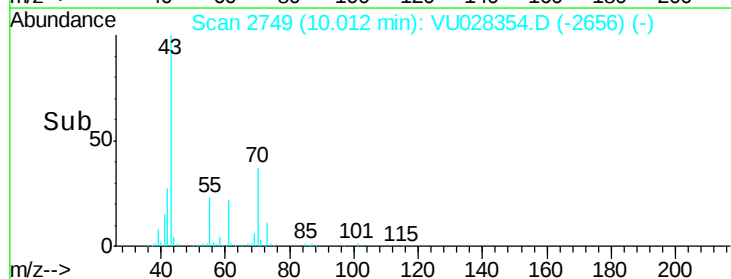
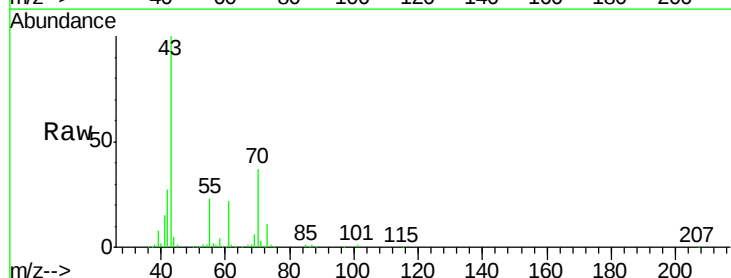
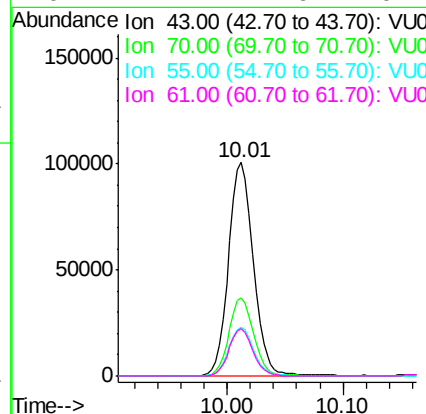
Ion Ratio Lower Upper

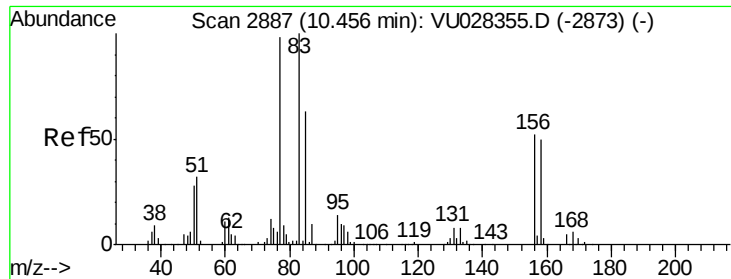
43 100

70 36.2 28.4 42.6

55 23.0 18.0 27.0

61 21.2 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.919 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

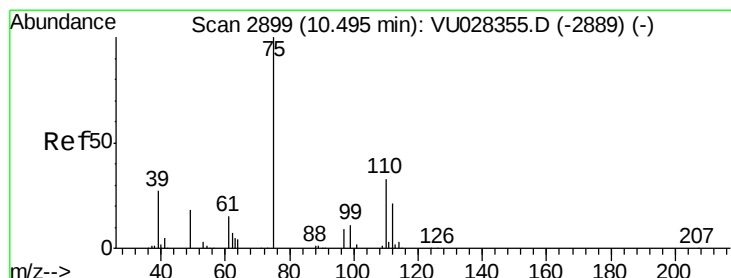
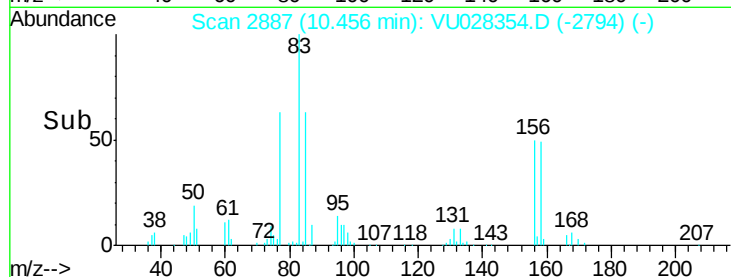
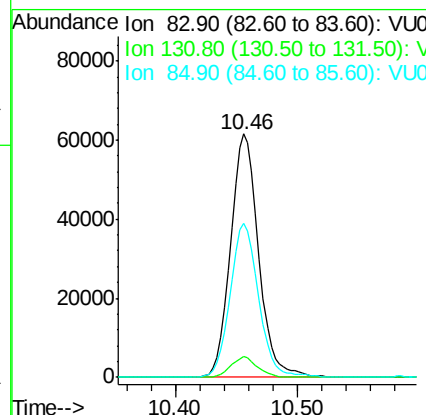
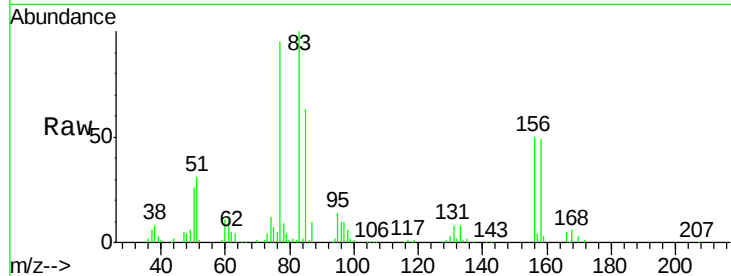
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	99108
Ion Ratio	Lower	Upper	
83	100		
131	7.9	4.0	12.2
85	64.5	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 20.939 ug/l m

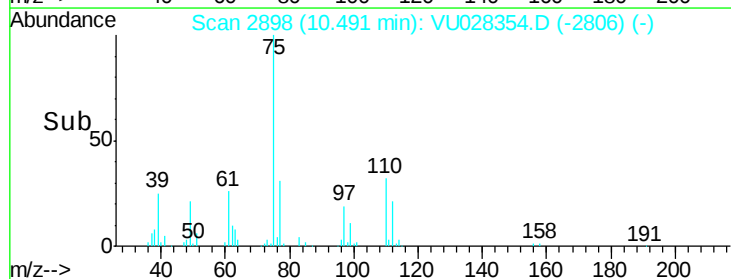
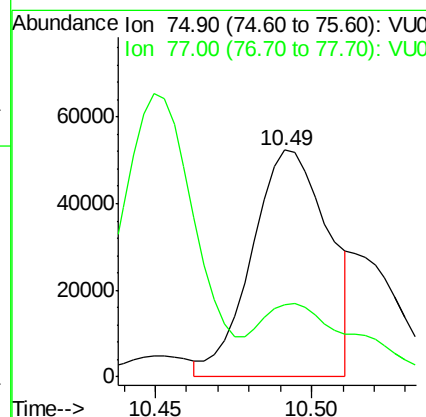
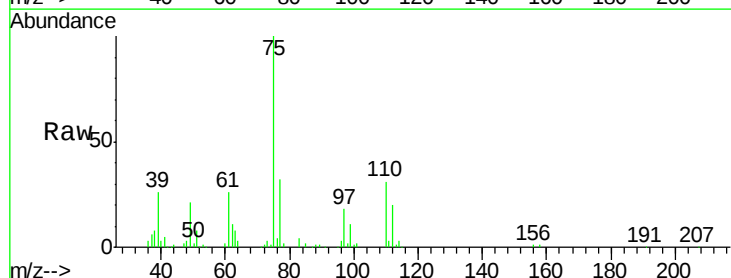
RT: 10.49 min Scan# 2898

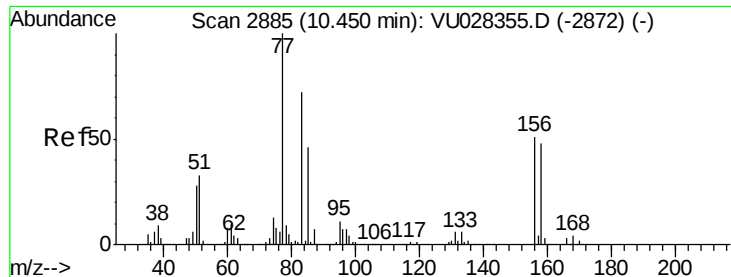
Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Tgt Ion:	75	Resp:	89185
Ion Ratio	Lower	Upper	
75	100		
77	41.2	22.4	67.0





#77

Bromobenzene

Concen: 19.781 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 56394

Ion Ratio Lower Upper

156 100

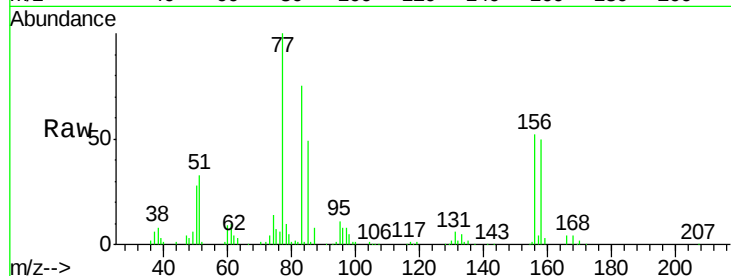
77 192.2 97.0 290.9

158 98.0 46.8 140.4

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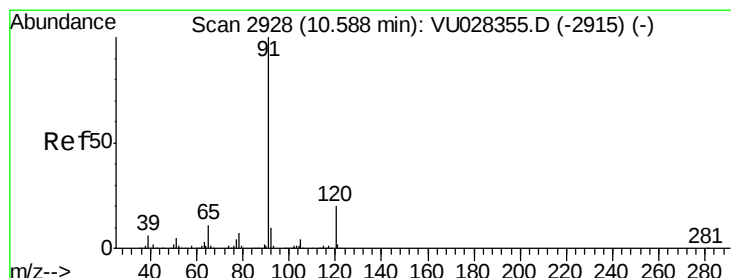
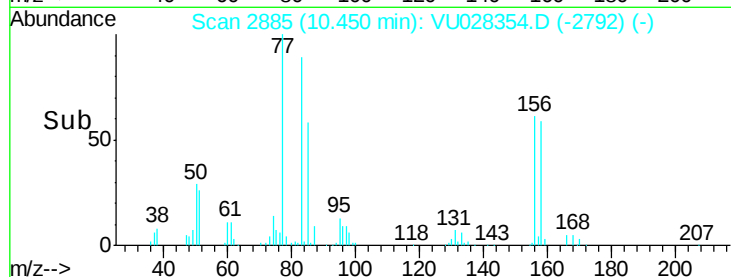
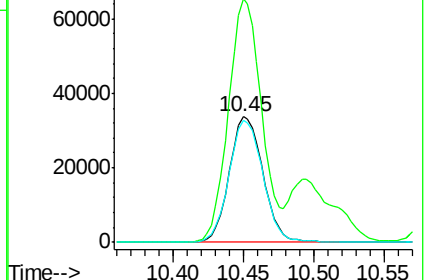
11/29/2018 1:22:49 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.887 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028354.D

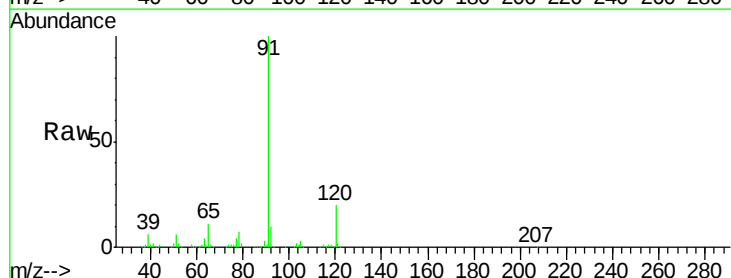
Acq: 28 Nov 2018 09:59

Tgt Ion: 91 Resp: 296828

Ion Ratio Lower Upper

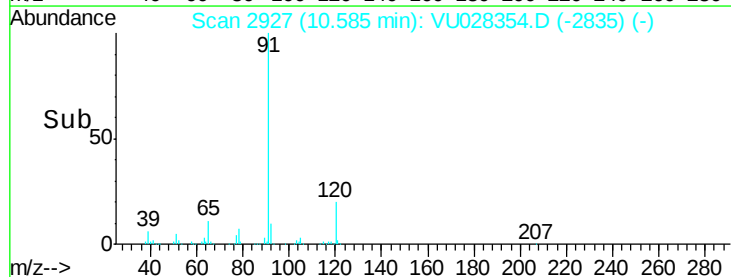
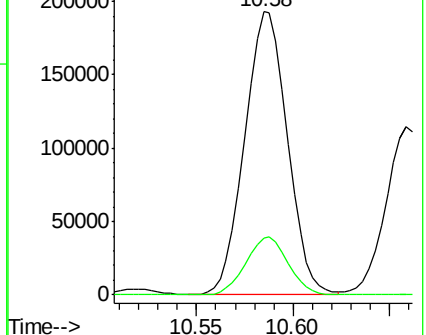
91 100

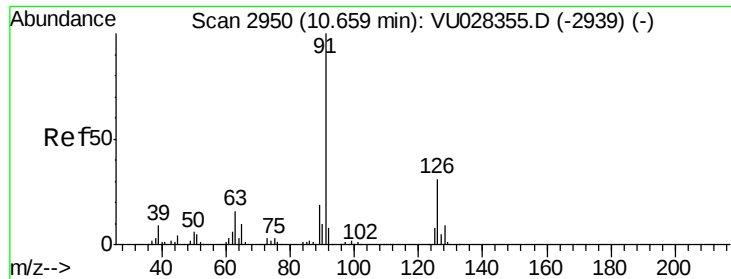
120 20.3 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.456 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 179992

Ion Ratio Lower Upper

91 100

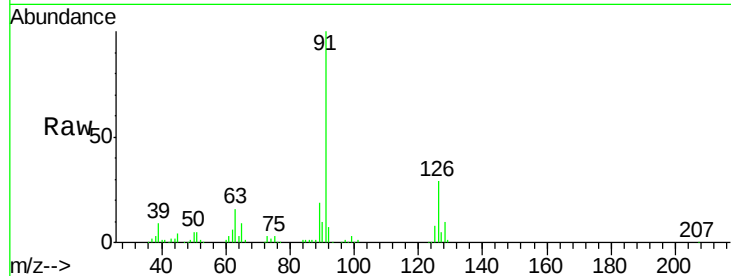
126 30.4 15.4 46.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU028355.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028355.D (-2939) (-)

200000

150000

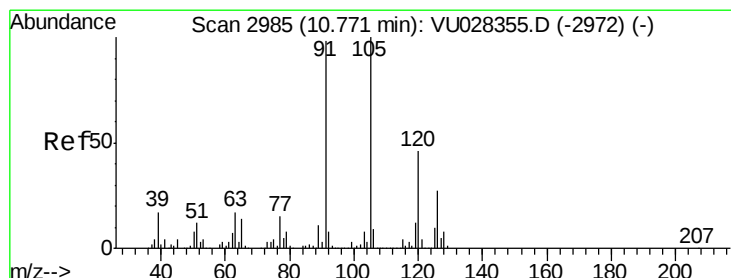
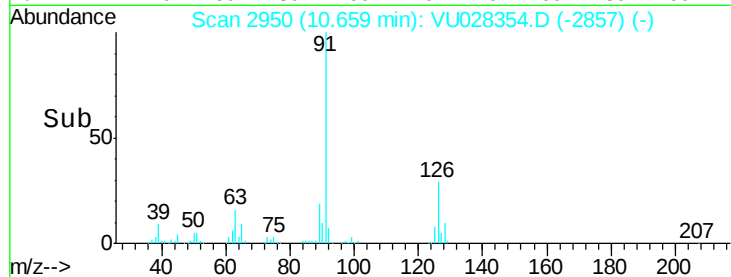
100000

50000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.913 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028354.D

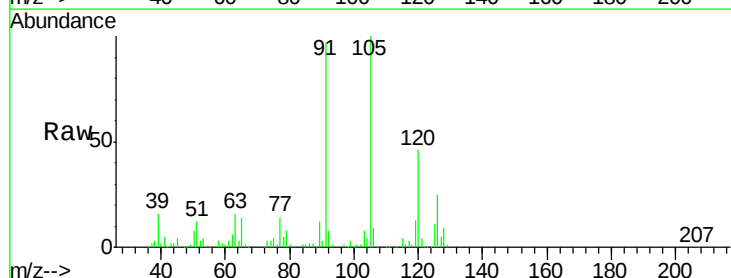
Acq: 28 Nov 2018 09:59

Tgt Ion: 105 Resp: 203032

Ion Ratio Lower Upper

105 100

120 45.8 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VU028355.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028355.D (-2972) (-)

150000

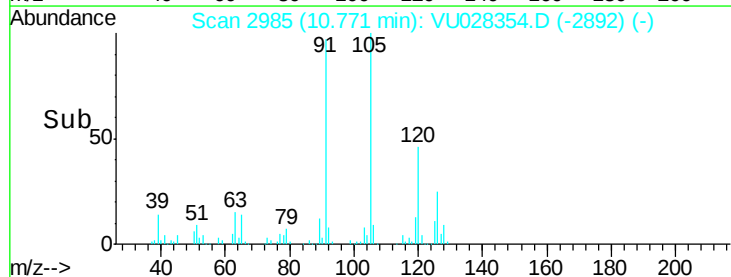
100000

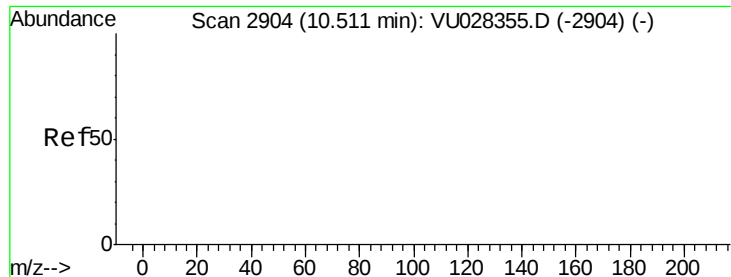
50000

0

10.70 10.75 10.80 10.85

Time-->





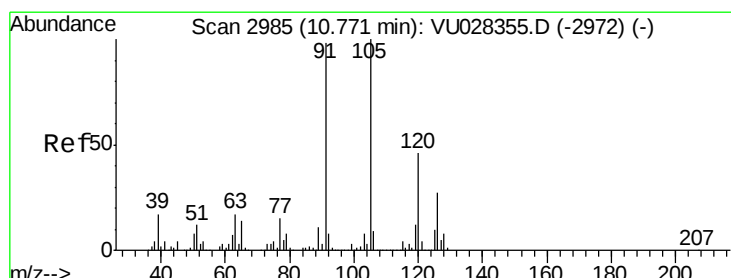
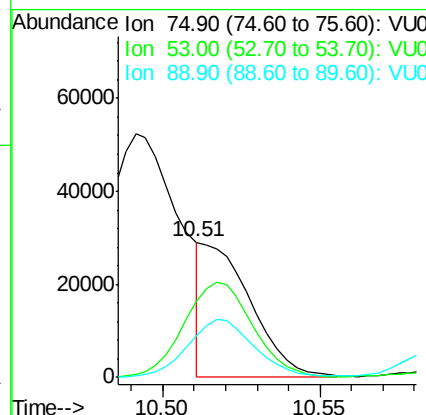
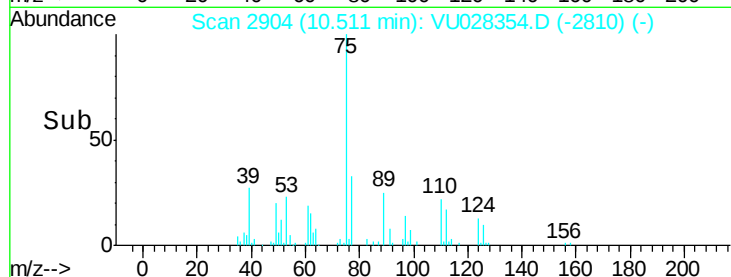
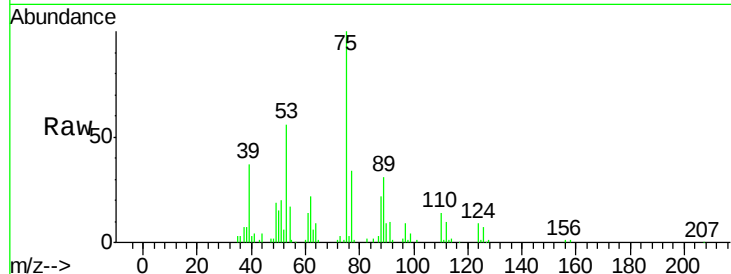
#81
trans-1,4-Dichloro-2-butene
Concen: 15.021 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

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

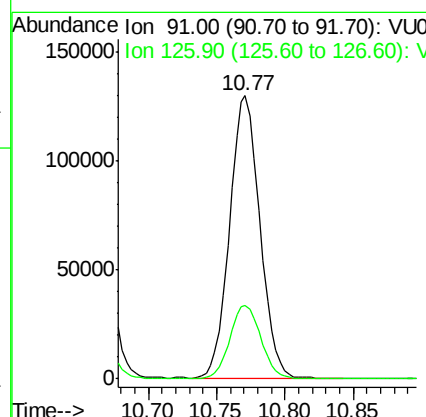
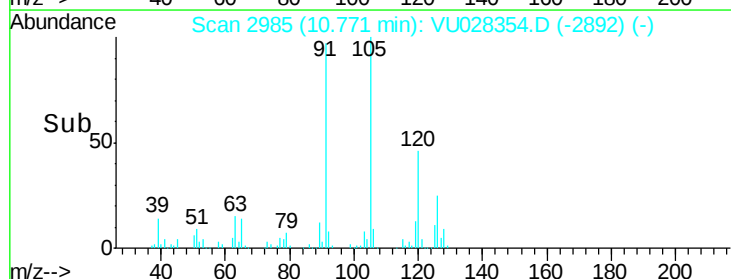
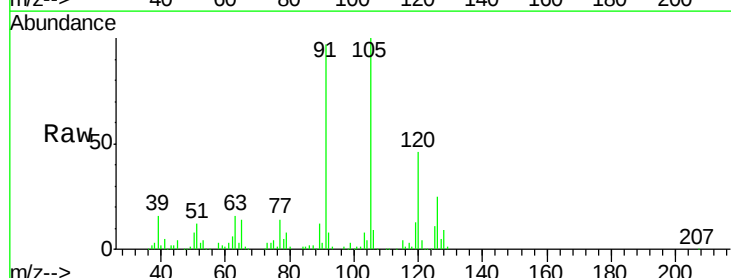
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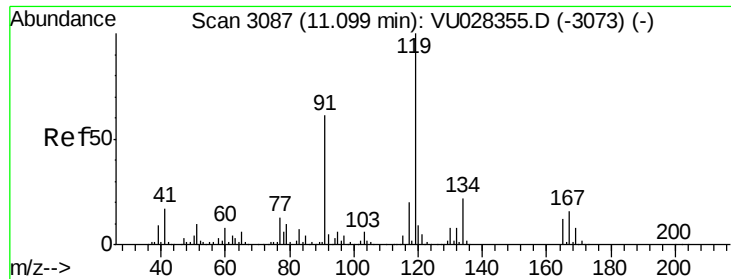
MMDadoda
11/29/2018 1:22:49 PM



#82
4-Chlorotoluene
Concen: 19.807 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	26.7	13.9	41.6





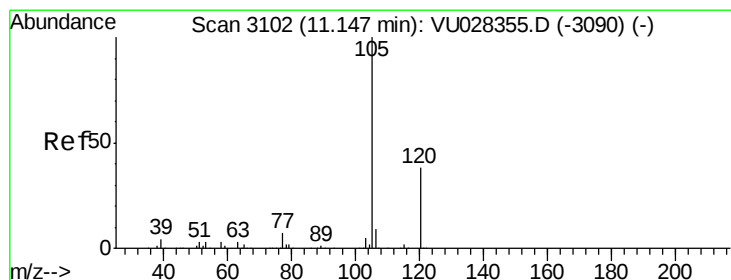
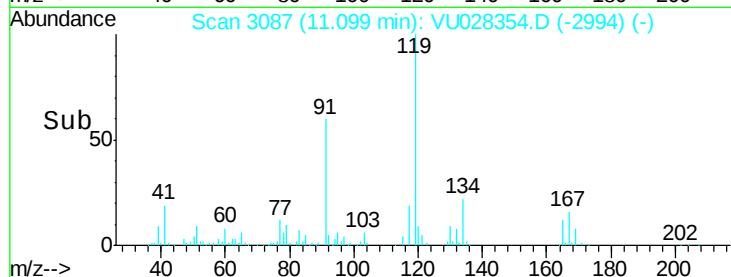
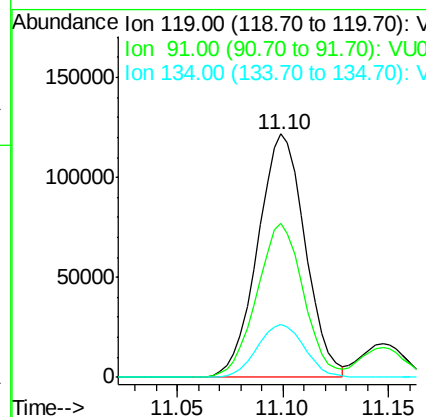
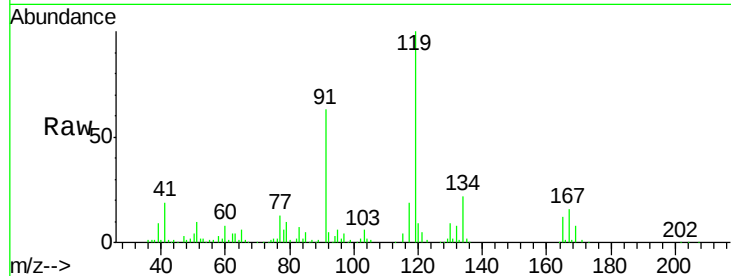
#83
tert-Butylbenzene
Concen: 20.019 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	190278		
91	62.3		30.8	92.4
134	21.7		11.1	33.1

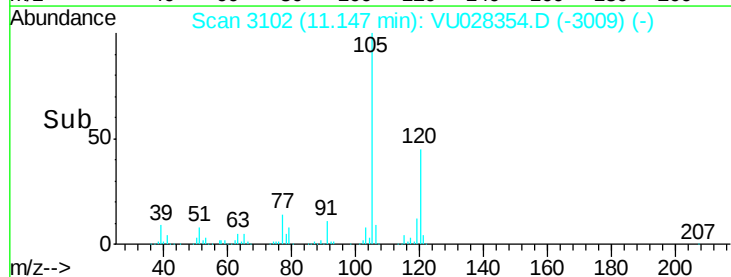
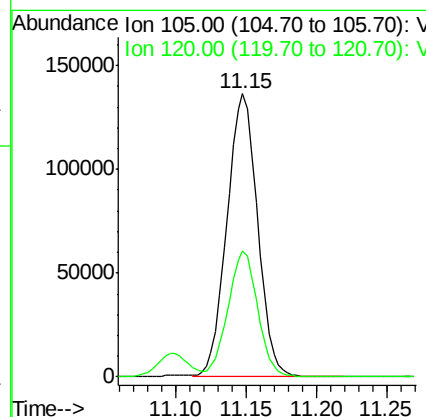
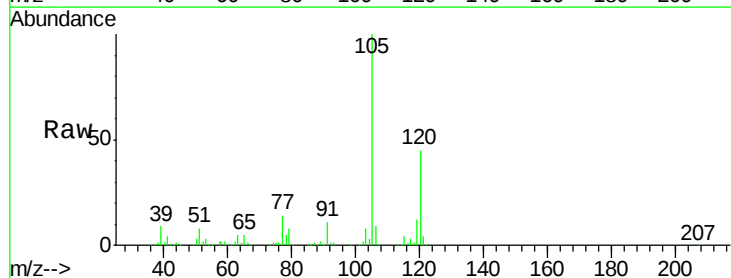
Manual Integrations
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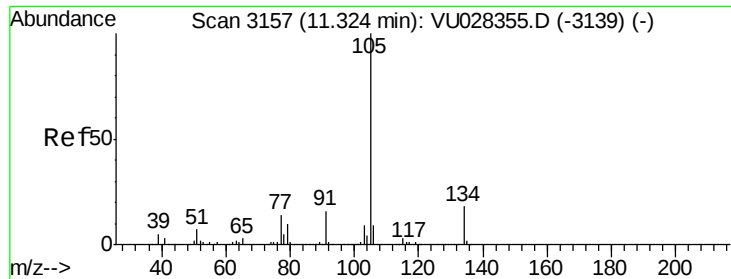
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.022 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	206777		
120	43.4		21.4	64.3





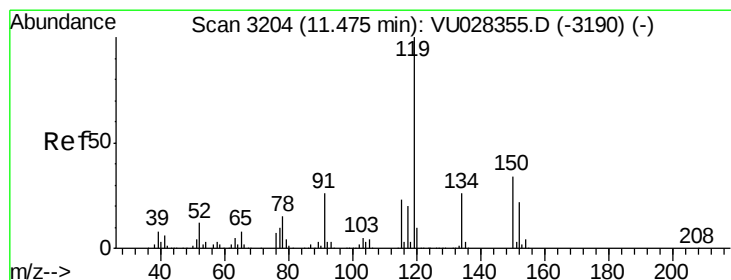
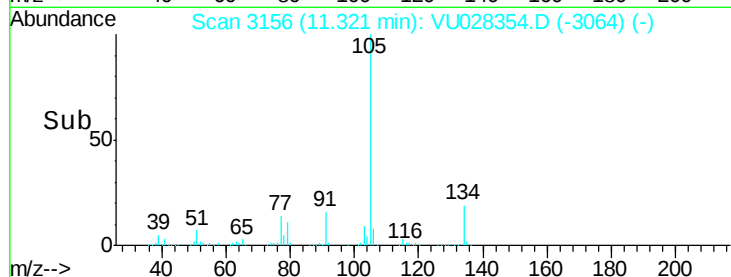
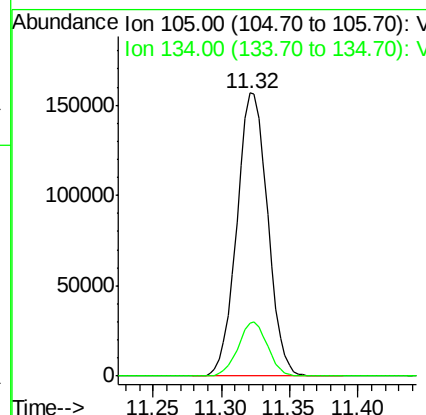
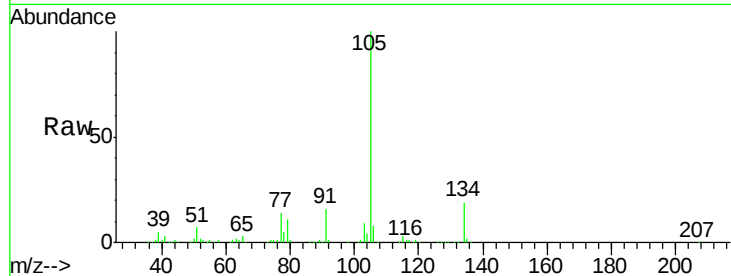
#85
 sec-Butylbenzene
 Concen: 19.911 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028354.D
 Acq: 28 Nov 2018 09:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.3	9.3	27.7

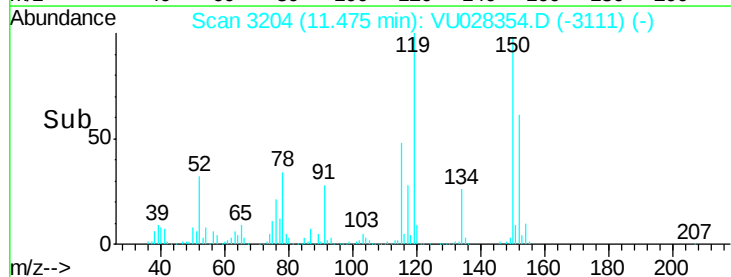
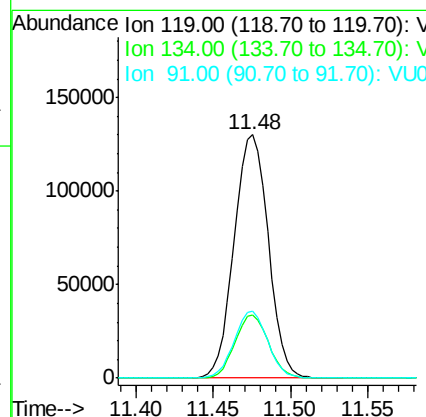
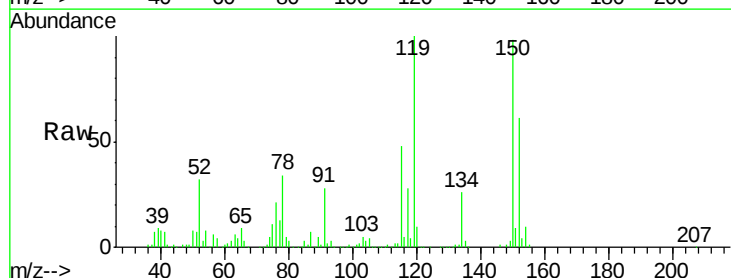
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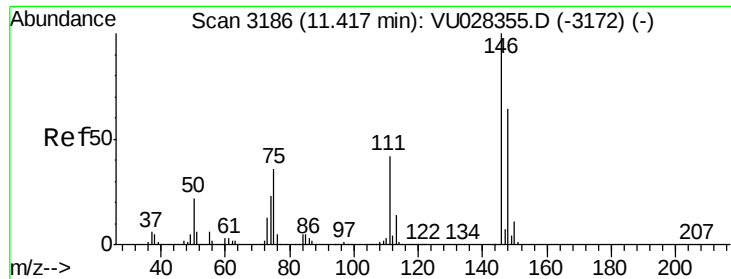
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 19.663 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028354.D
 Acq: 28 Nov 2018 09:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.8	38.3
91	26.9	13.1	39.1





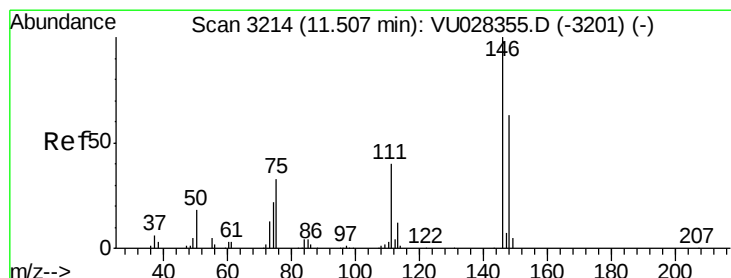
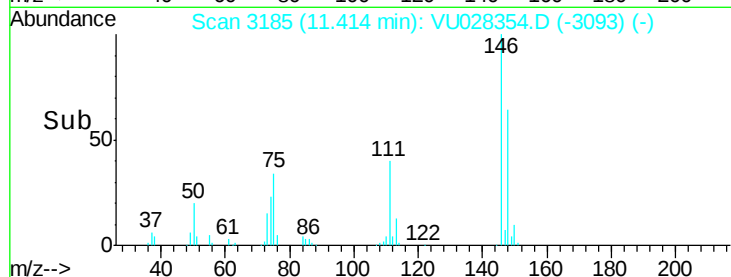
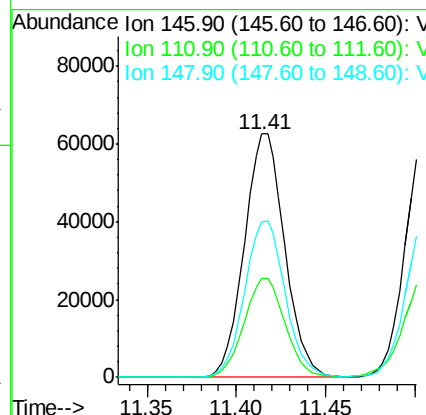
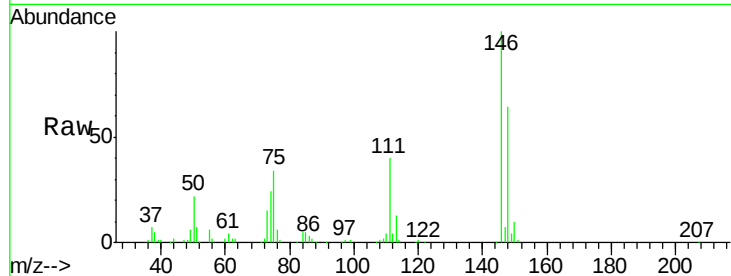
#87
 1,3-Dichlorobenzene
 Concen: 19.083 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028354.D
 Acq: 28 Nov 2018 09:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.8	62.4
148	64.5	31.8	95.3

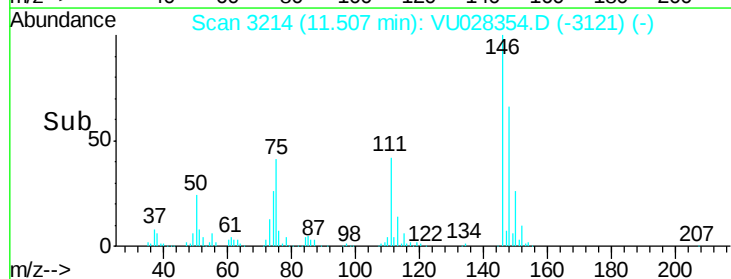
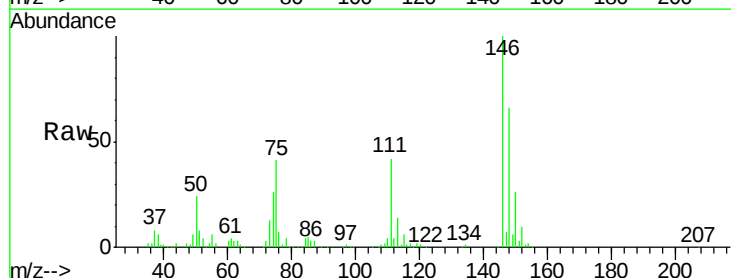
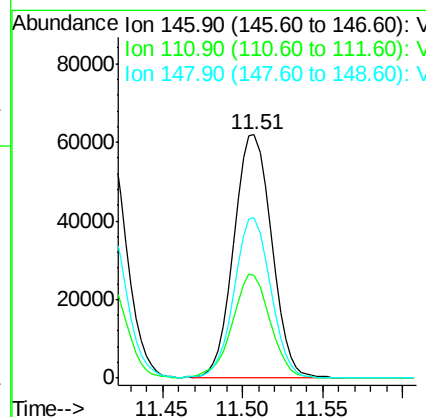
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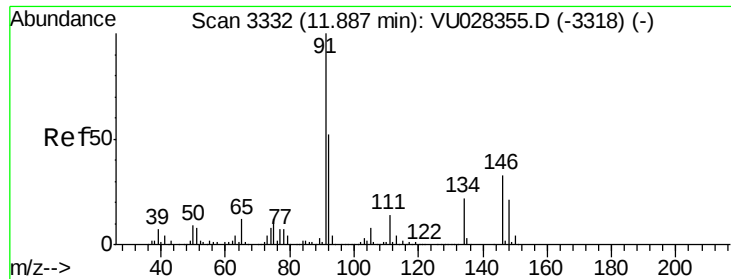
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#88
 1,4-Dichlorobenzene
 Concen: 19.002 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU028354.D
 Acq: 28 Nov 2018 09:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	20.6	61.9
148	64.2	31.1	93.5





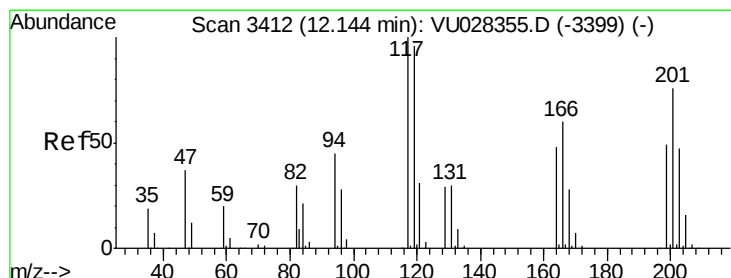
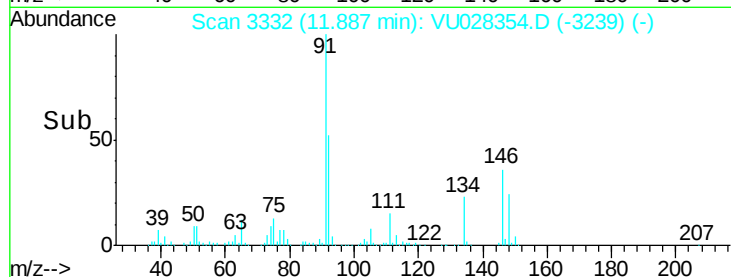
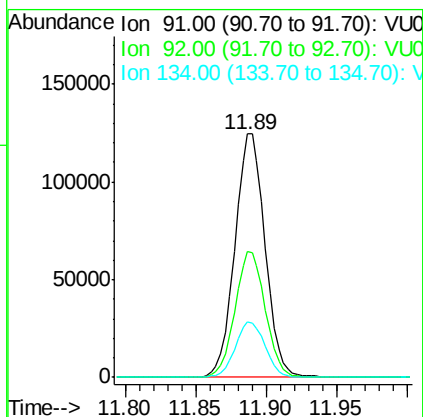
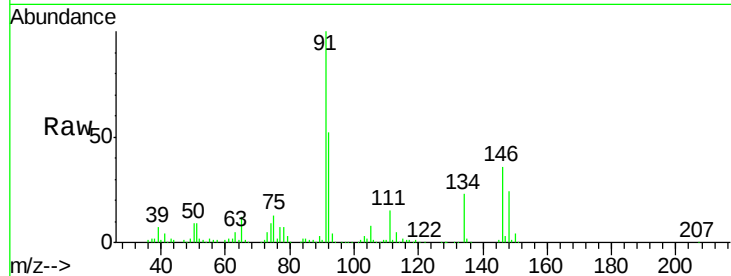
#89
n-Butylbenzene
Concen: 18.679 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.2	78.5
134	22.4	11.1	33.1

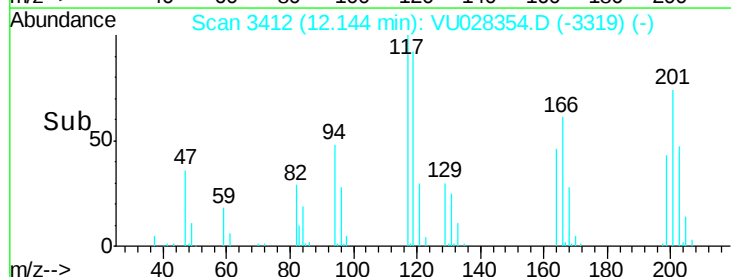
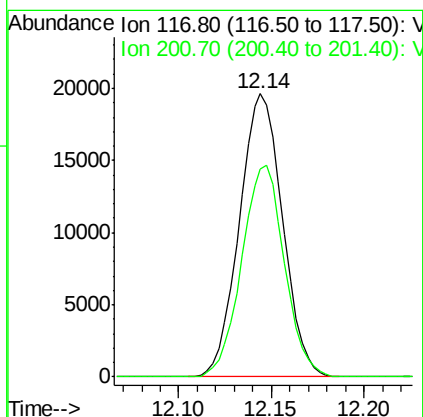
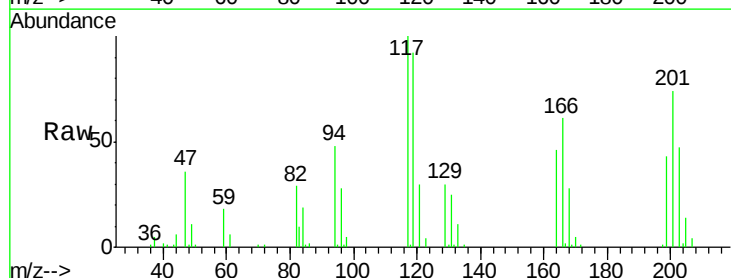
Manual Integrations
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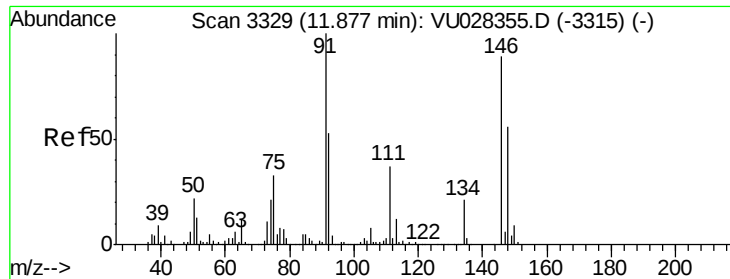
MMDadoda
11/29/2018 1:22:49 PM



#90
Hexachloroethane
Concen: 19.956 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028354.D
Acq: 28 Nov 2018 09:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.0	37.7	113.1





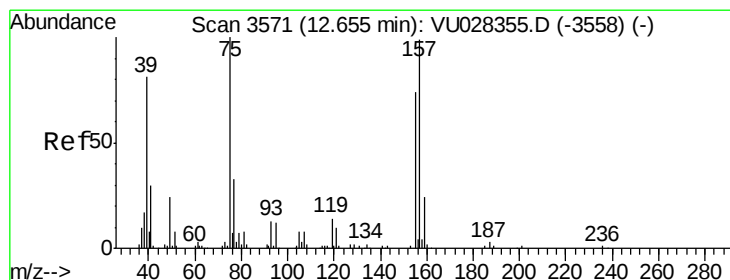
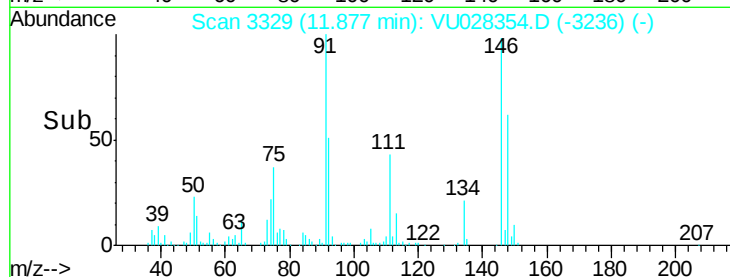
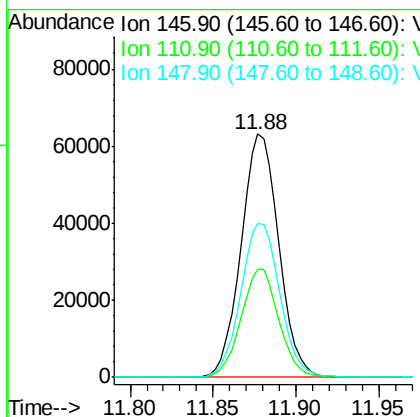
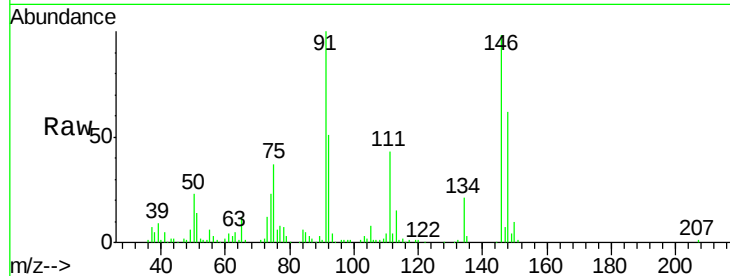
#91
 1,2-Dichlorobenzene
 Concen: 19.269 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028354.D
 Acq: 28 Nov 2018 09:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.4	64.3
148	65.8	32.2	96.6

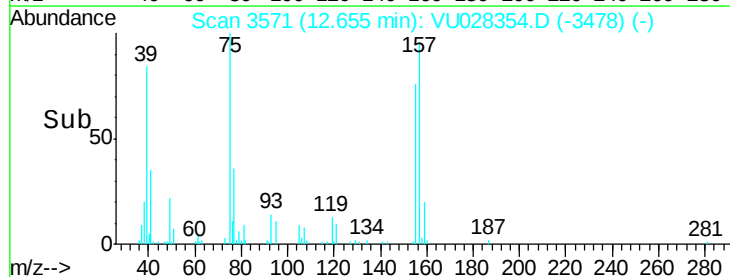
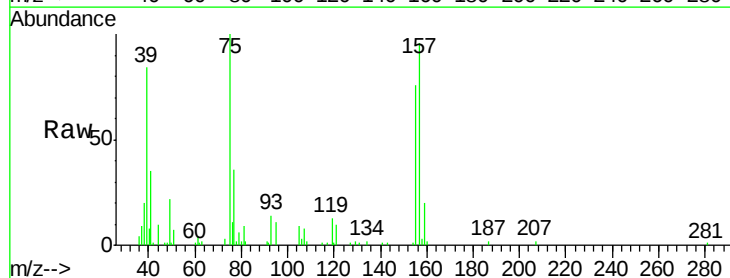
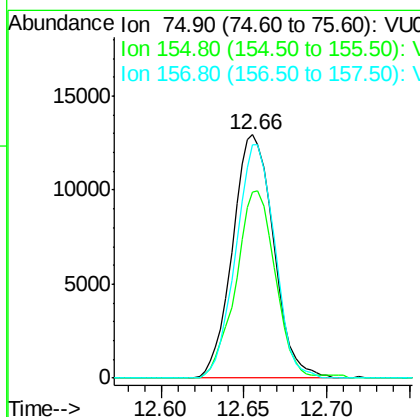
Manual Integrations
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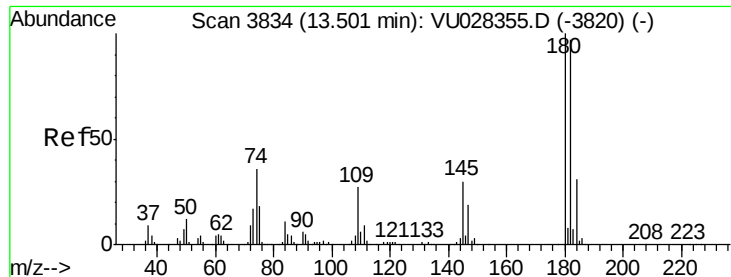
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.146 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028354.D
 Acq: 28 Nov 2018 09:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.3	36.9	110.7
157	90.6	47.5	142.5





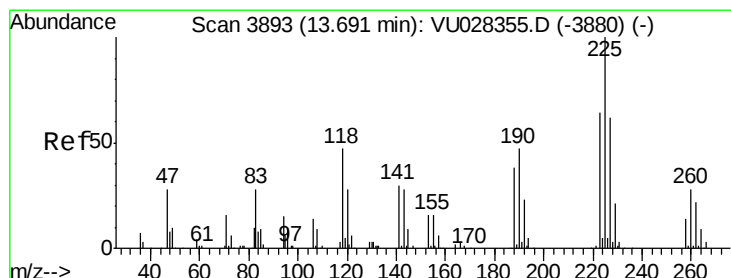
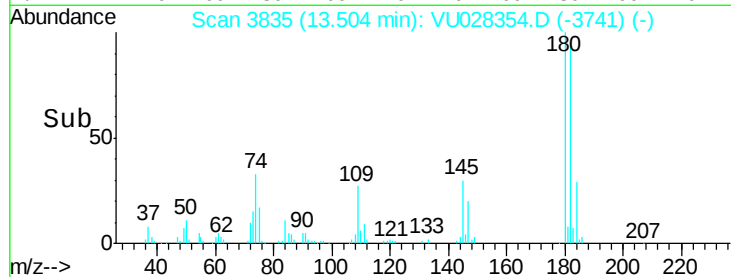
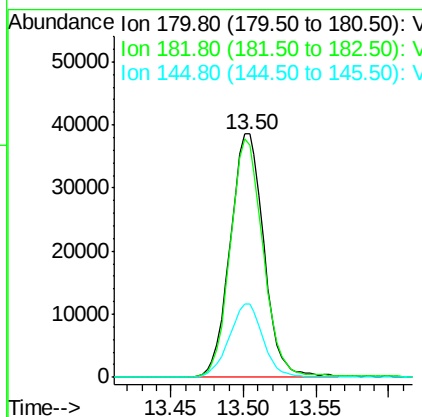
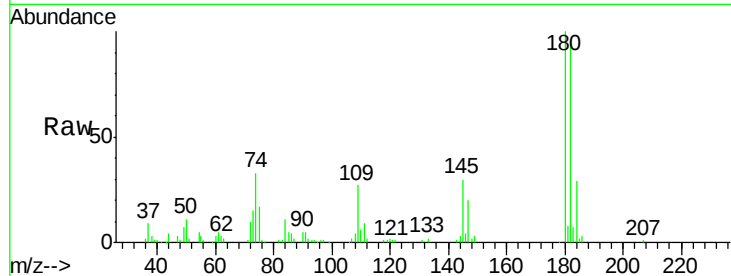
#93
 1,2,4-Trichlorobenzene
 Concen: 18.330 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028354.D
 Acq: 28 Nov 2018 09:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.3	144.9
145	30.4	15.2	45.5

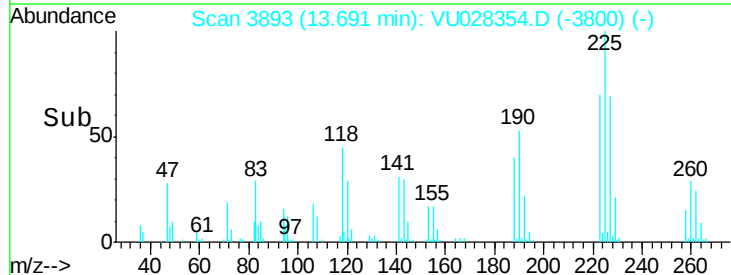
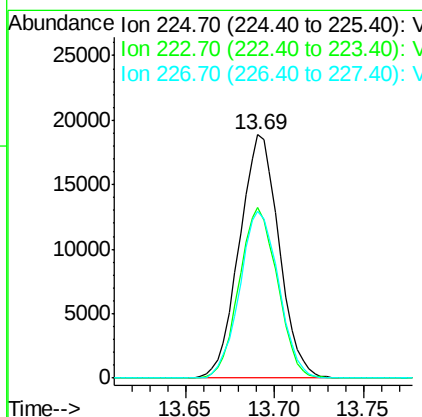
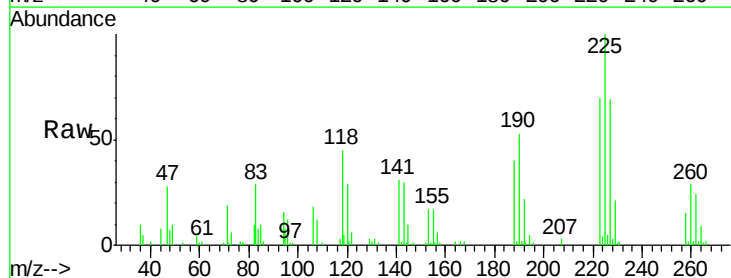
Manual Integrations
 APPROVED

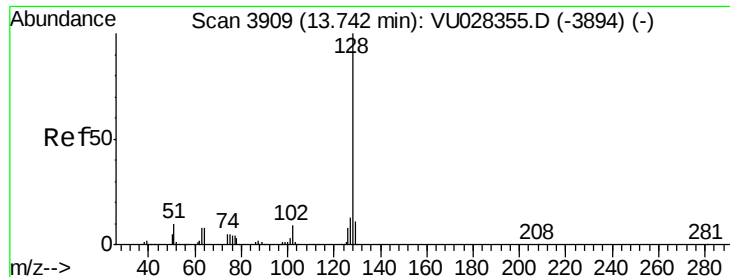
MMDadoda
 11/29/2018 1:22:49 PM



#94
 Hexachlorobutadiene
 Concen: 18.223 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028354.D
 Acq: 28 Nov 2018 09:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.4	31.6	94.7
227	67.2	30.8	92.4





#95

Naphthalene

Concen: 19.505 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Instrument :

MSVOA_U

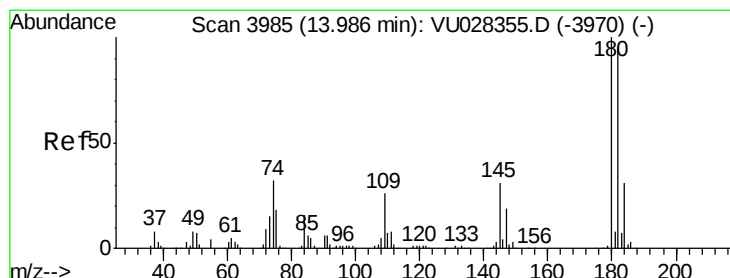
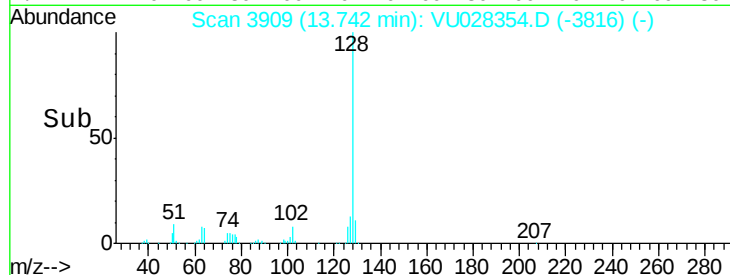
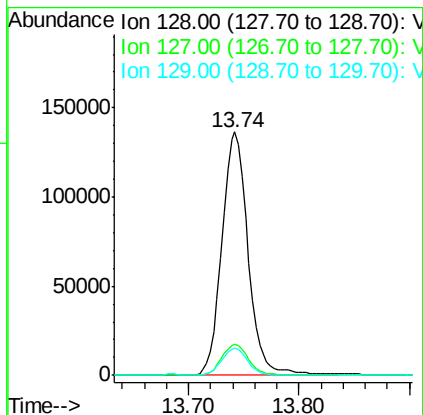
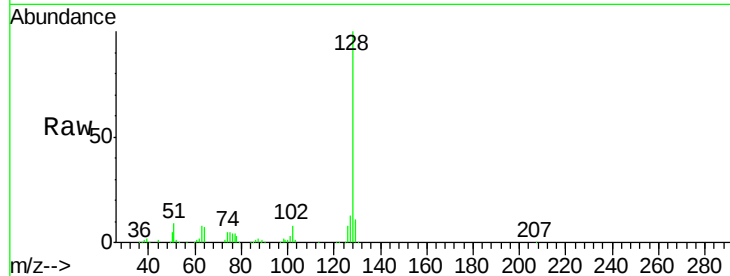
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	225247
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/29/2018 1:22:49 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.855 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU028354.D

Acq: 28 Nov 2018 09:59

Tgt Ion:	180	Resp:	64757
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.7	143.1
145	32.2	15.7	47.1

