

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112818\
 Data File : VU028353.D
 Acq On : 28 Nov 2018 09:35
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 1:22:43 PM

Quant Time: Nov 29 00:45:48 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	235748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	424952	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	378749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	169704	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	20034	5.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.16%	
35) Dibromofluoromethane	4.88	113	14325	5.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.14%	
50) Toluene-d8	7.56	98	56390	4.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.98%	
62) 4-Bromofluorobenzene	10.31	95	18960	4.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.30%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	15999	5.059	ug/l	99
3) Chloromethane	1.33	50	32960	5.377	ug/l	97
4) Vinyl Chloride	1.40	62	21765	5.075	ug/l	95
5) Bromomethane	1.60	94	8693	5.241	ug/l	99
6) Chloroethane	1.68	64	12234	4.957	ug/l	99
7) Trichlorofluoromethane	1.88	101	23123	5.190	ug/l	97
8) Diethyl Ether	2.10	74	10406	5.025	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	12998	5.008	ug/l	96
10) Methyl Iodide	2.41	142	11403	4.659	ug/l	99
11) Tert butyl alcohol	2.83	59	22627	25.279	ug/l #	89
12) 1,1-Dichloroethene	2.28	96	13223	5.250	ug/l	88
13) Acrolein	2.19	56	21259	26.716	ug/l	98
14) Allyl chloride	2.59	41	31795	4.832	ug/l	98
15) Acrylonitrile	2.94	53	60548	25.573	ug/l	99
16) Acetone	2.32	43	67392	27.962	ug/l	97
17) Carbon Disulfide	2.47	76	48916	5.060	ug/l	98
18) Methyl Acetate	2.61	43	34997	5.215	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	54178	5.247	ug/l	98
20) Methylene Chloride	2.70	84	18463	4.952	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	14711	5.037	ug/l	94
22) Diisopropyl ether	3.57	45	66276	5.119	ug/l	92
23) Vinyl Acetate	3.52	43	270610	25.130	ug/l	100
24) 1,1-Dichloroethane	3.44	63	34344	5.377	ug/l	98
25) 2-Butanone	4.26	43	91192	26.401	ug/l	99
26) 2,2-Dichloropropane	4.23	77	25791	5.084	ug/l	97
27) cis-1,2-Dichloroethene	4.22	96	17608	5.097	ug/l	97
28) Bromochloromethane	4.55	49	17046	5.337	ug/l	98
29) Tetrahydrofuran	4.64	42	57375	25.583	ug/l	98
30) Chloroform	4.67	83	29831	5.060	ug/l	96
31) Cyclohexane	4.99	56	39034	5.149	ug/l #	94
32) 1,1,1-Trichloroethane	4.91	97	25020	5.289	ug/l	98
36) 1,1-Dichloropropene	5.13	75	23501	5.054	ug/l	97
37) Ethyl Acetate	4.38	43	30988	4.890	ug/l	100
38) Carbon Tetrachloride	5.13	117	20020	5.243	ug/l	97

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Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	25580	4.666	ug/l	99
40) Benzene	5.39	78	70268	5.102	ug/l	98
41) Methacrylonitrile	4.55	41	17986	5.111	ug/l	99
42) 1,2-Dichloroethane	5.40	62	25704	5.181	ug/l	98
43) Isopropyl Acetate	5.55	43	48924	4.872	ug/l	99
44) Trichloroethene	6.19	130	14877	5.039	ug/l	94
45) 1,2-Dichloropropane	6.43	63	20543	5.093	ug/l	95
46) Dibromomethane	6.56	93	12260	5.292	ug/l	98
47) Bromodichloromethane	6.76	83	23661	5.135	ug/l	98
48) Methyl methacrylate	6.62	41	25400	4.856	ug/l	98
49) 1,4-Dioxane	6.62	88	8077	96.654	ug/l #	92
51) 4-Methyl-2-Pentanone	7.46	43	159020	24.793	ug/l	98
52) Toluene	7.64	92	39504	4.981	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	27416	4.976	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	29350	4.972	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	16854	5.106	ug/l	97
56) Ethyl methacrylate	8.02	69	26085	4.645	ug/l	95
57) 1,3-Dichloropropane	8.24	76	31159	5.148	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	69418	23.026	ug/l	97
59) 2-Hexanone	8.36	43	124373	25.034	ug/l	100
60) Dibromochloromethane	8.48	129	15446	4.920	ug/l	98
61) 1,2-Dibromoethane	8.59	107	16867	4.989	ug/l	100
64) Tetrachloroethene	8.22	164	13683	5.492	ug/l	88
65) Chlorobenzene	9.12	112	39694	5.047	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	13920	5.164	ug/l	97
67) Ethyl Benzene	9.25	91	72564	4.899	ug/l	99
68) m/p-Xylenes	9.37	106	52238	9.798	ug/l	97
69) o-Xylene	9.78	106	26781	5.053	ug/l	99
70) Styrene	9.79	104	40989	4.795	ug/l	100
71) Bromoform	9.96	173	11347	5.008	ug/l #	98
73) Isopropylbenzene	10.17	105	68391	5.182	ug/l	100
74) N-amyl acetate	10.01	43	42302	5.115	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	29984	5.524	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	27332m	5.882	ug/l	
77) Bromobenzene	10.45	156	15827	5.089	ug/l	98
78) n-propylbenzene	10.58	91	81427	5.001	ug/l	100
79) 2-Chlorotoluene	10.66	91	50947	5.308	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	56806	5.107	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.51	75	7587m	3.357	ug/l	
82) 4-Chlorotoluene	10.77	91	55951	5.059	ug/l	97
83) tert-Butylbenzene	11.10	119	53011	5.113	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	55679	4.942	ug/l	98
85) sec-Butylbenzene	11.32	105	66640	4.948	ug/l	99
86) p-Isopropyltoluene	11.48	119	55099	4.976	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	28498	5.024	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	29103	5.098	ug/l	92
89) n-Butylbenzene	11.89	91	49830	4.560	ug/l	99
90) Hexachloroethane	12.14	117	8623	4.988	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	29563	5.224	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.66	75	6225	5.156	ug/l	98

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MSVOA_U
ClientSampleId :
VSTDICC005

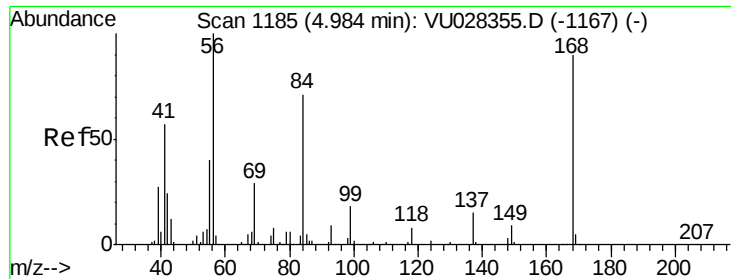
Manual Integrations
APPROVED

MMDadoda
11/29/2018 1:22:43 PM

Quant Time: Nov 29 00:45:48 2018
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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)
93) 1,2,4-Trichlorobenzene	13.50	180	16057	4.335	ug/l	99
94) Hexachlorobutadiene	13.69	225	8533	4.878	ug/l	98
95) Naphthalene	13.75	128	57346	4.552	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	16594	4.429	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 235748

Ion Ratio Lower Upper

168 100

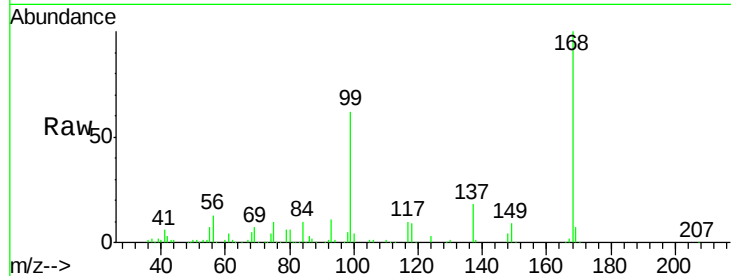
99 60.7 49.6 74.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

120000

100000

80000

60000

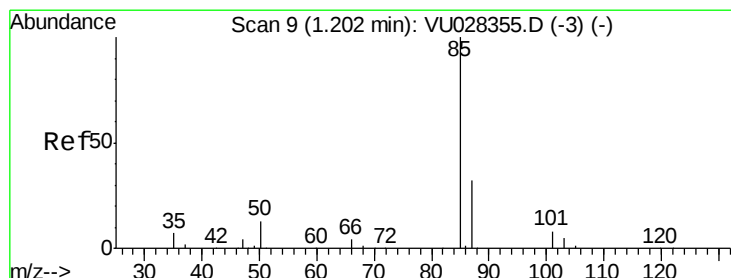
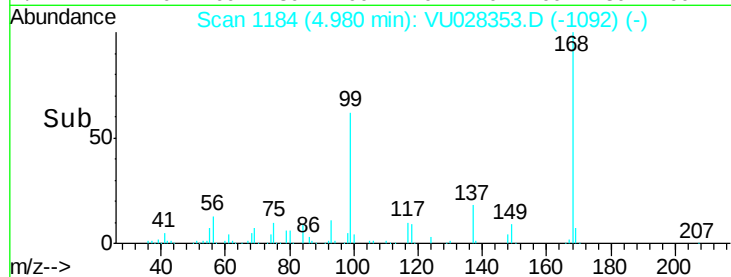
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 5.059 ug/l

RT: 1.20 min Scan# 9

Delta R.T. 0.00 min

Lab File: VU028353.D

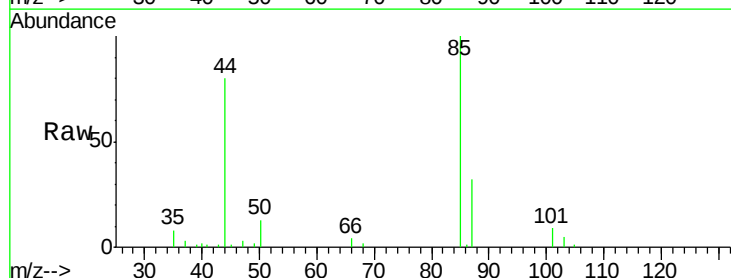
Acq: 28 Nov 2018 09:35

Tgt Ion: 85 Resp: 15999

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0

15000

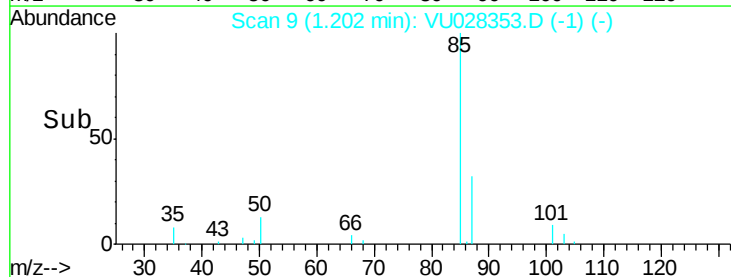
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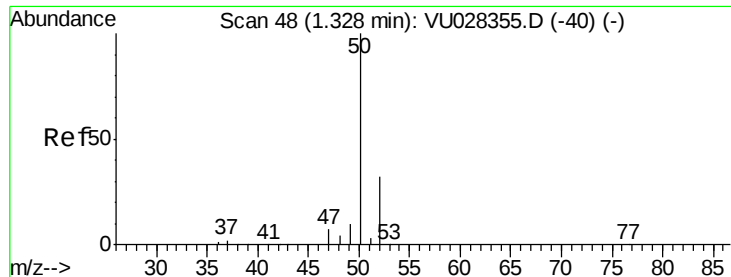
5000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 5.377 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 32960

Ion Ratio Lower Upper

50 100

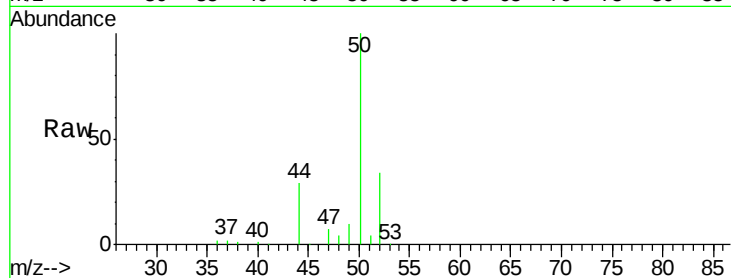
52 33.5 25.4 38.2

Manual Integrations

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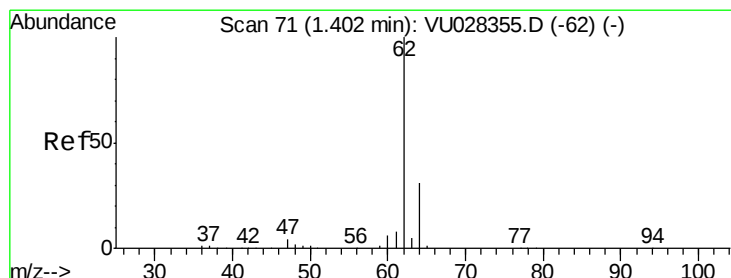
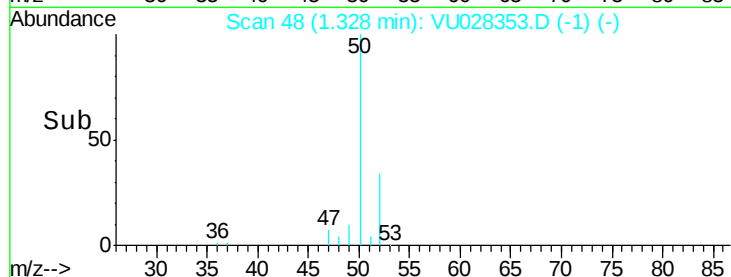
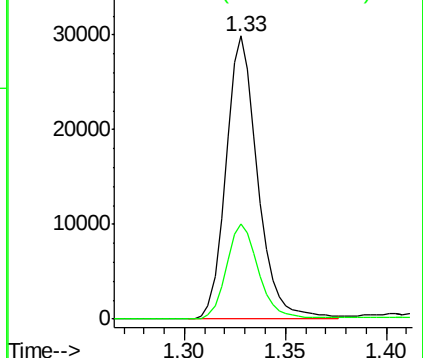
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 5.075 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028353.D

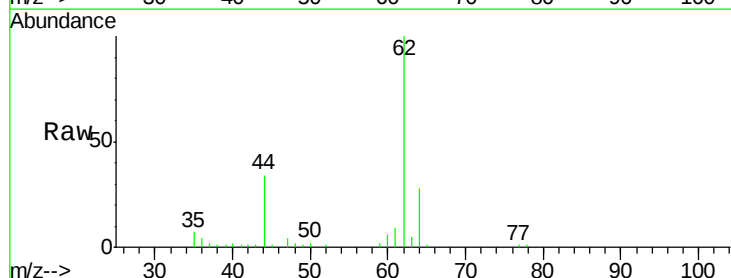
Acq: 28 Nov 2018 09:35

Tgt Ion: 62 Resp: 21765

Ion Ratio Lower Upper

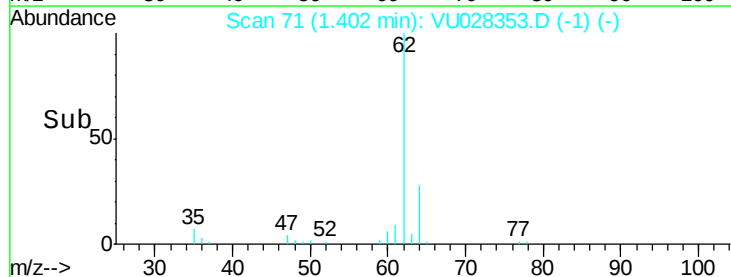
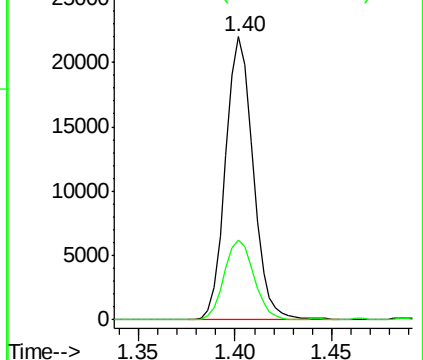
62 100

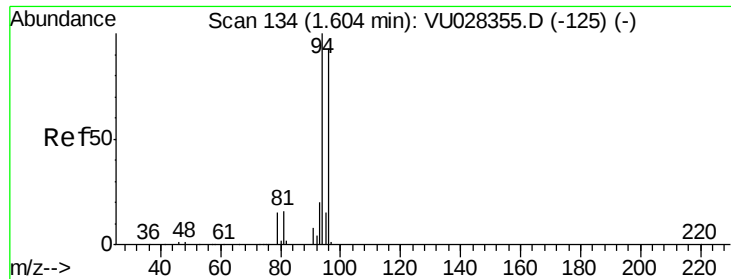
64 28.4 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 5.241 ug/l

RT: 1.60 min Scan# 134

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8693

Ion Ratio Lower Upper

94 100

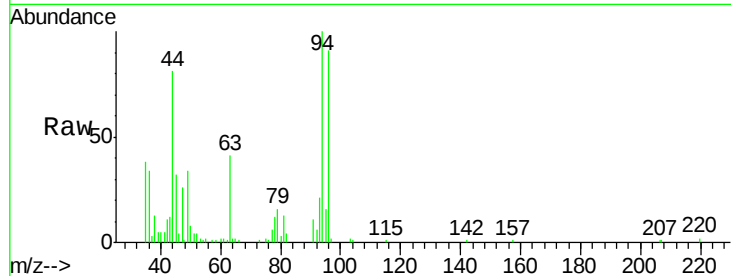
96 92.3 74.6 112.0

Manual Integrations

APPROVED

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.60

10000

8000

6000

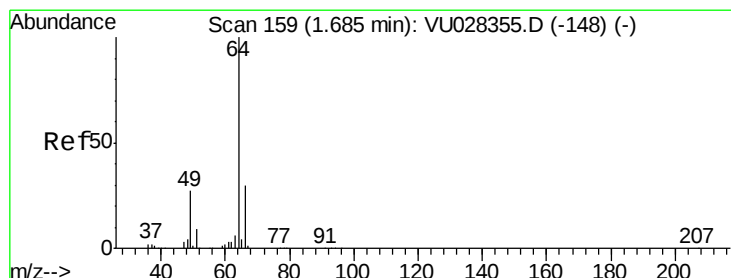
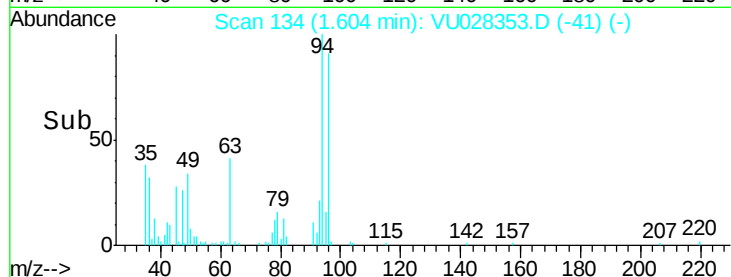
4000

2000

0

1.58 1.60 1.62 1.64

Time-->



#6

Chloroethane

Concen: 4.957 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.00 min

Lab File: VU028353.D

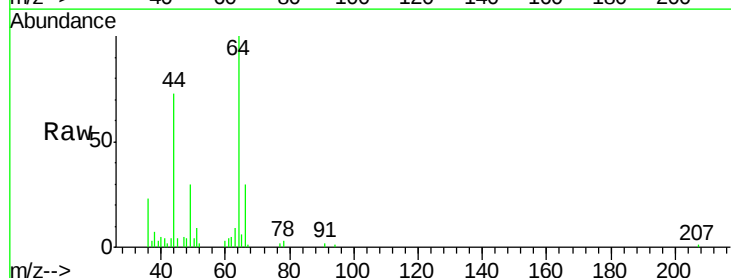
Acq: 28 Nov 2018 09:35

Tgt Ion: 64 Resp: 12234

Ion Ratio Lower Upper

64 100

66 30.2 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.68

10000

8000

6000

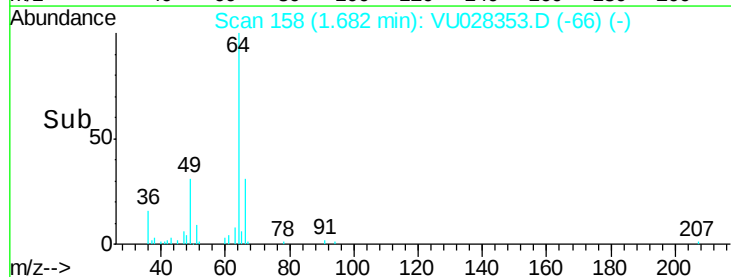
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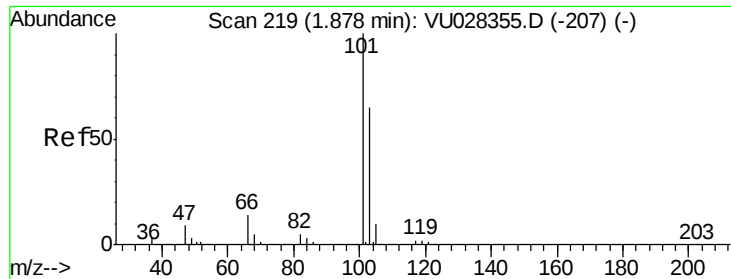
2000

0

1.65 1.70

Time-->





#7

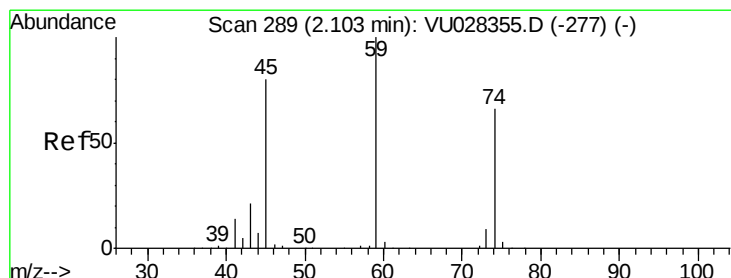
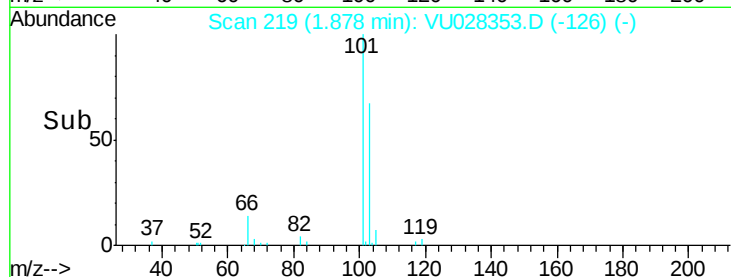
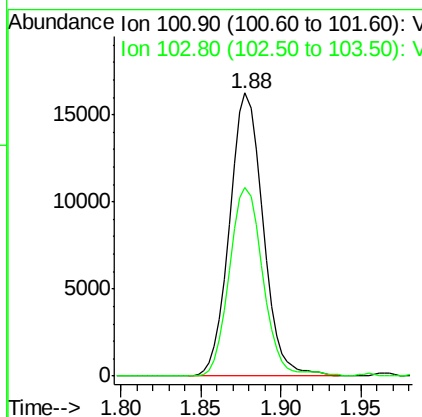
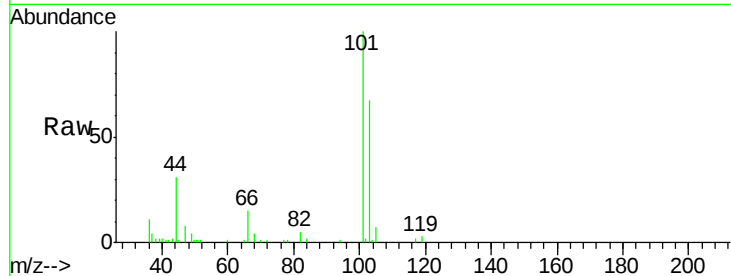
Trichlorofluoromethane
 Concen: 5.190 ug/l
 RT: 1.88 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.6	77.4

Manual Integrations
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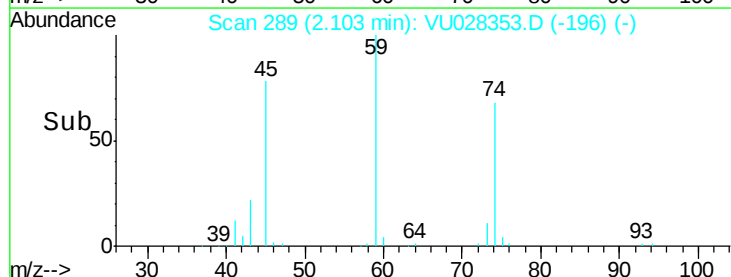
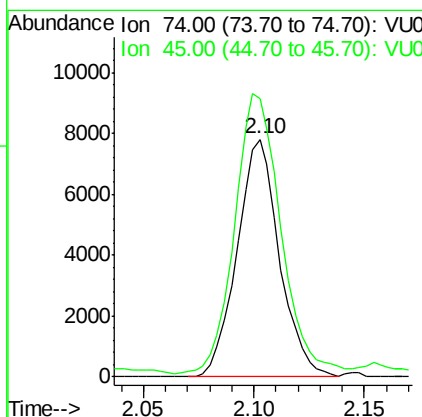
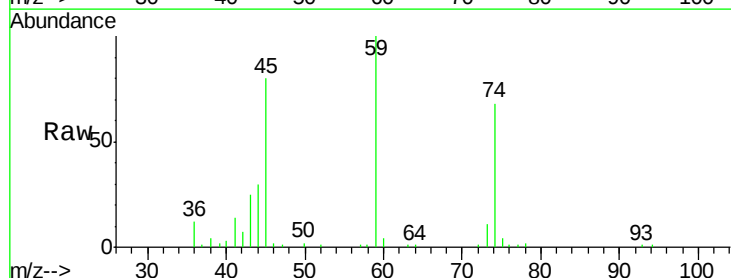
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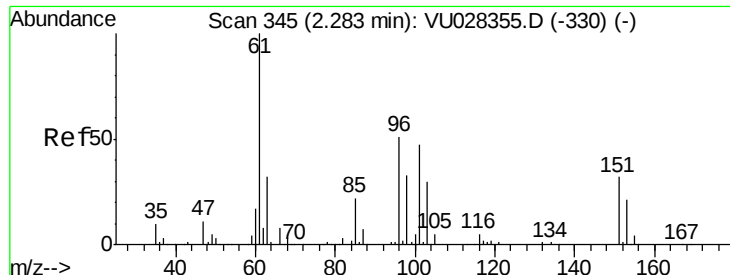


#8

Diethyl Ether
 Concen: 5.025 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	127.8	63.0	189.1





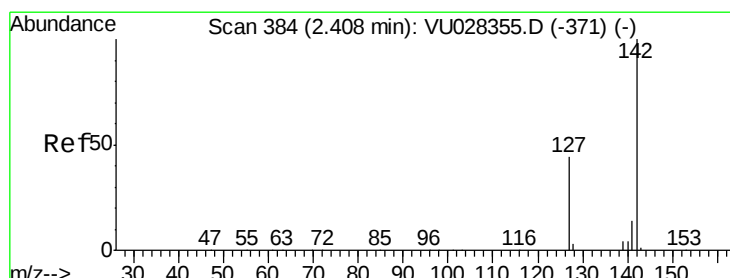
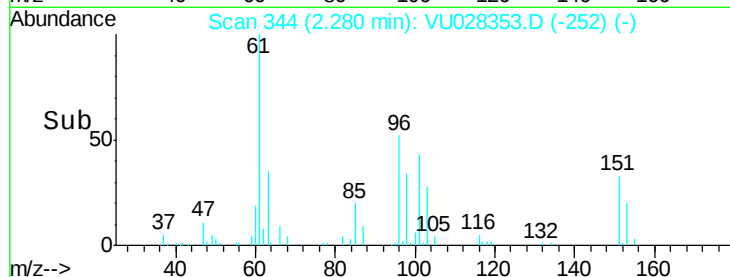
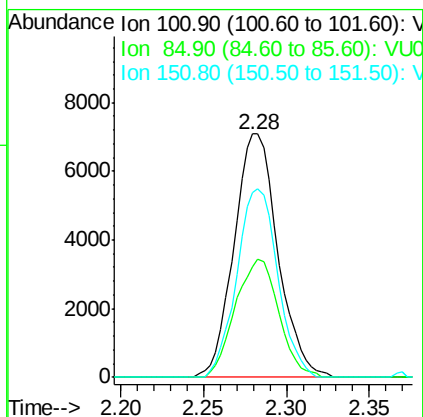
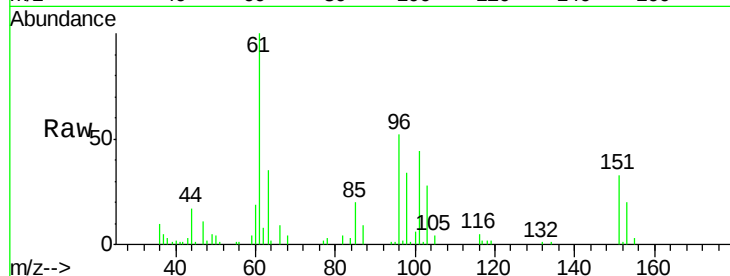
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.008 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
85	48.4	37.2	55.8
151	72.5	55.4	83.0

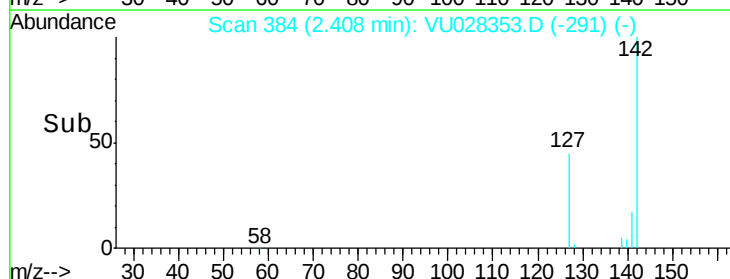
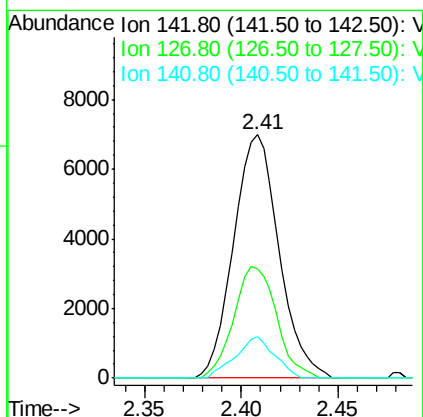
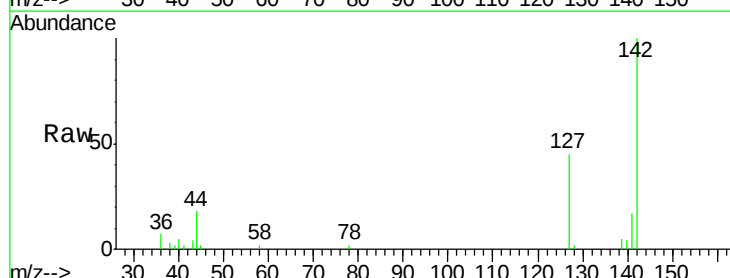
Manual Integrations
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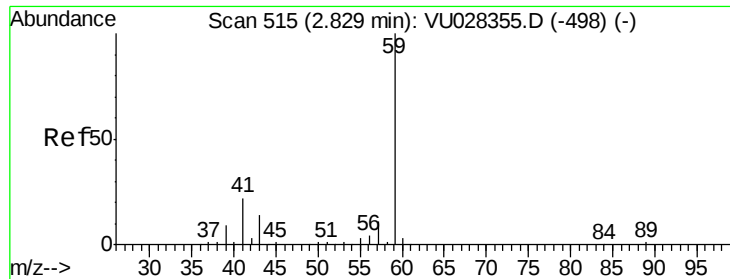
MMDadoda
11/29/2018 1:22:43 PM



#10
Methyl Iodide
Concen: 4.659 ug/l
RT: 2.41 min Scan# 384
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

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





#11

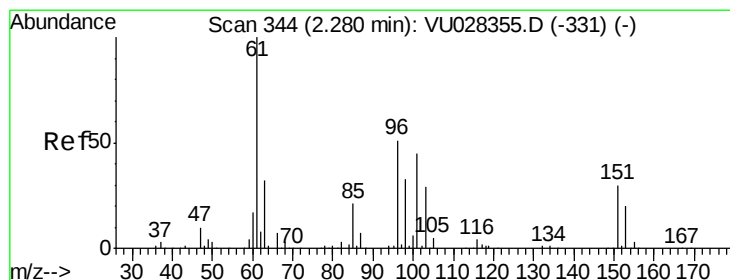
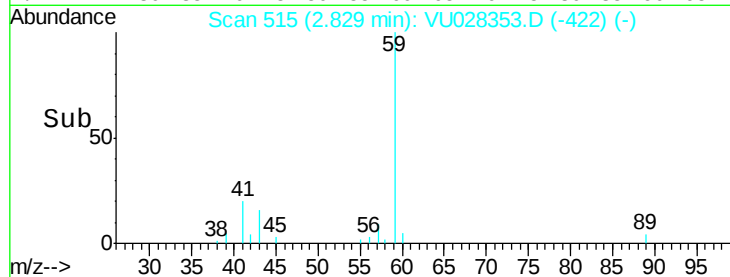
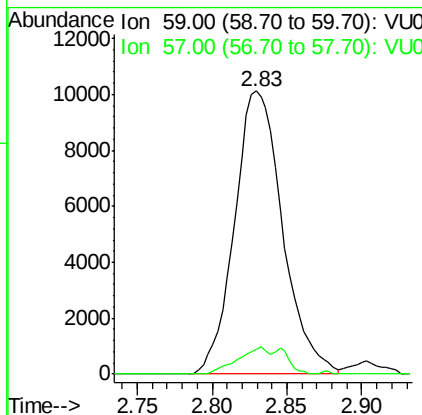
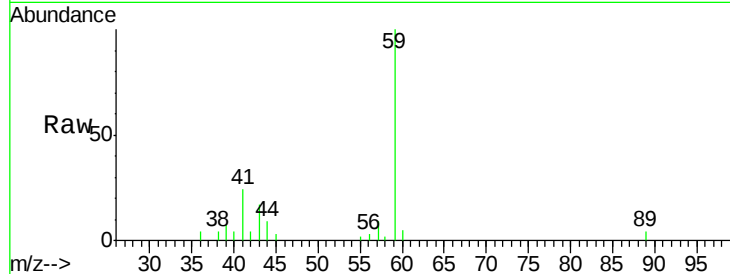
Tert butyl alcohol
Concen: 25.279 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.3	8.3	12.5#

Manual Integrations
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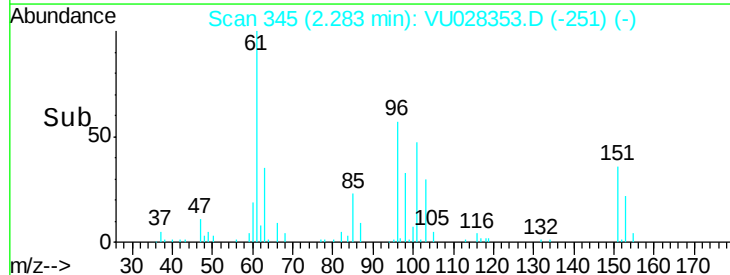
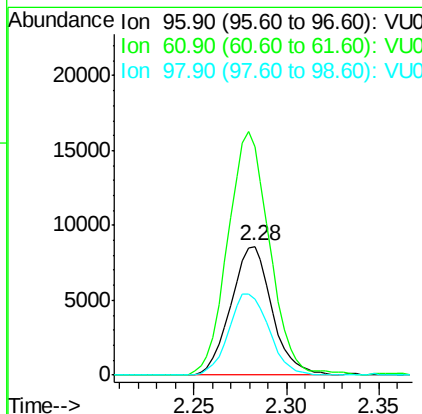
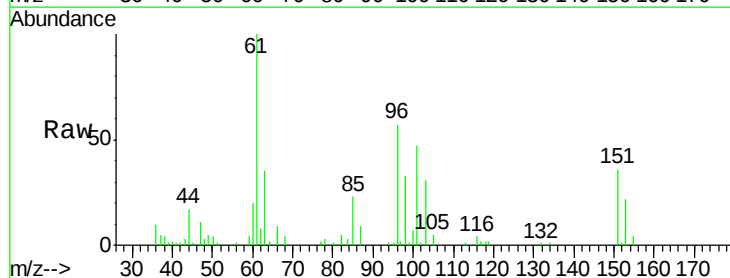
MMDadoda
11/29/2018 1:22:43 PM

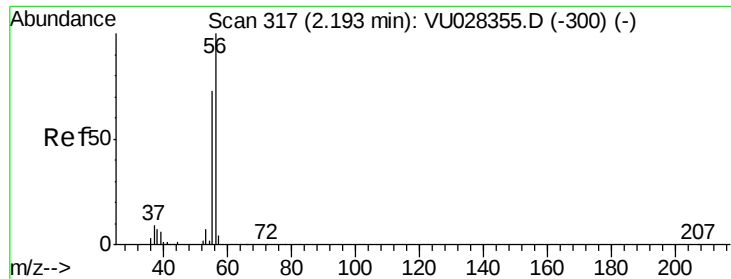


#12

1,1-Dichloroethene
Concen: 5.250 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.4	158.1	237.1
98	58.8	51.4	77.2





#13

Acrolein

Concen: 26.716 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 21259

Ion Ratio Lower Upper

56 100

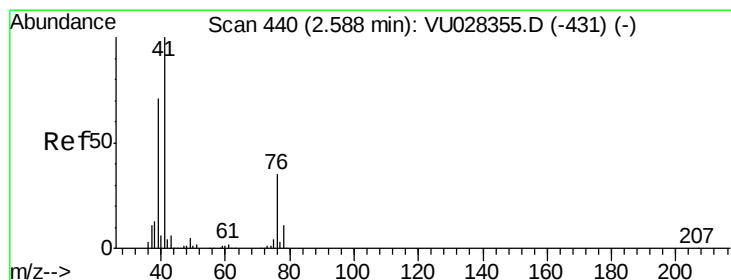
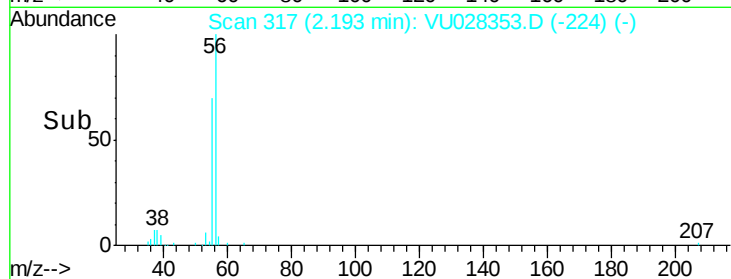
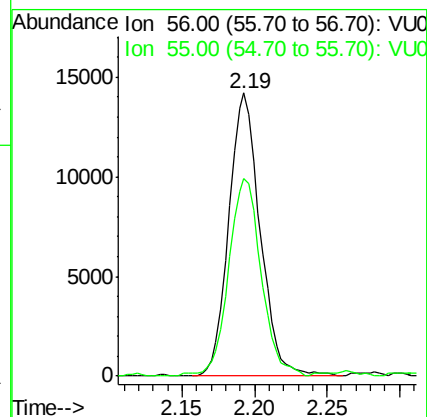
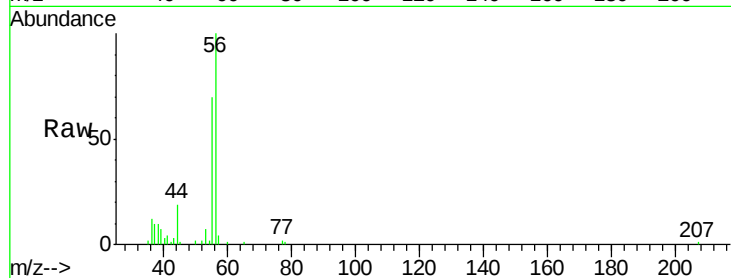
55 72.4 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 4.832 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

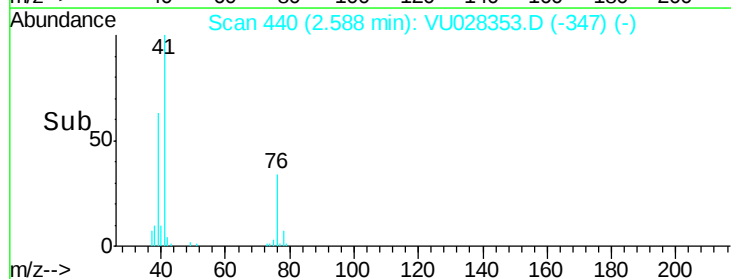
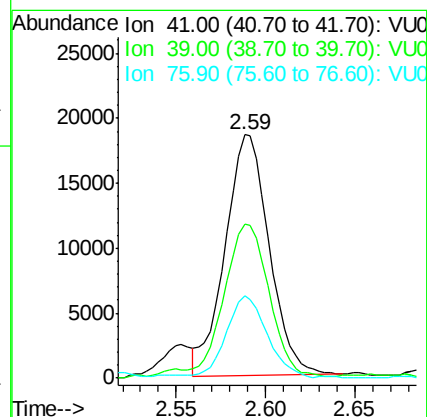
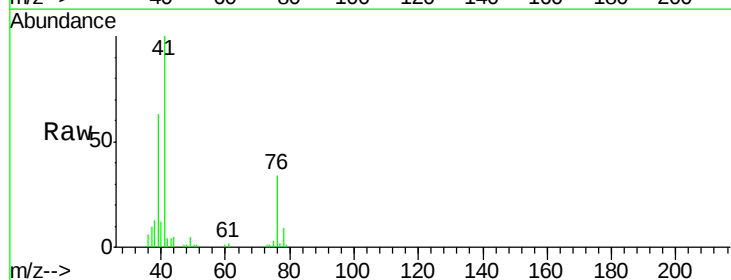
Tgt Ion: 41 Resp: 31795

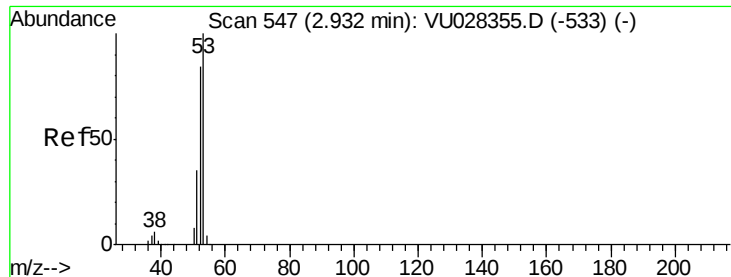
Ion Ratio Lower Upper

41 100

39 63.4 51.6 77.4

76 32.7 24.4 36.6





#15

Acrylonitrile

Concen: 25.573 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

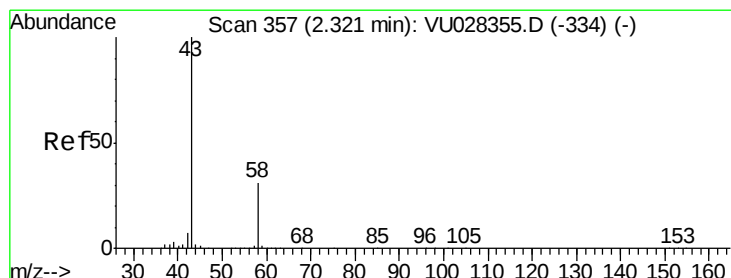
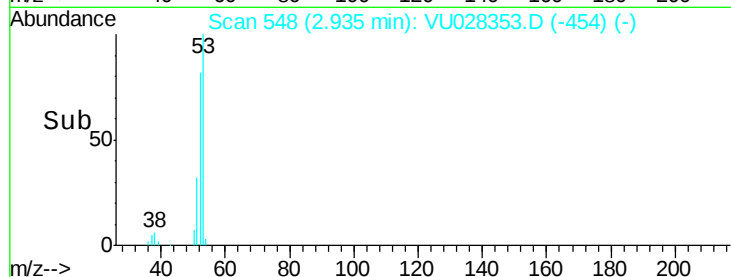
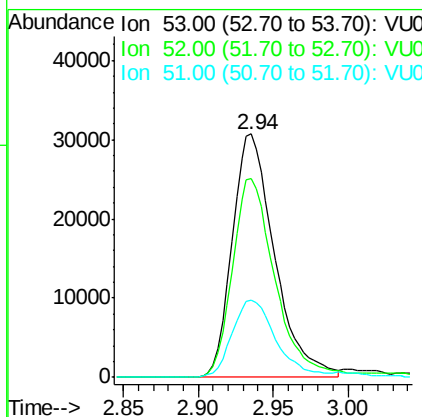
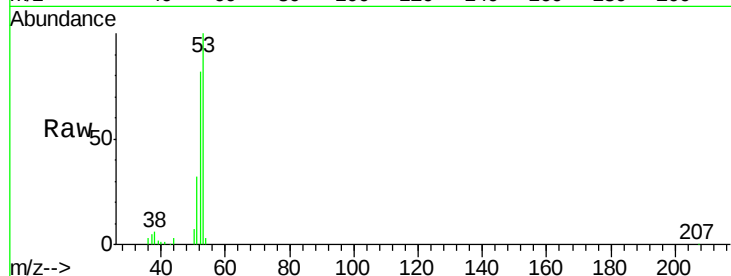
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	60548
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.7	98.5
51	32.9	27.8	41.6

Manual Integrations
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#16

Acetone

Concen: 27.962 ug/l

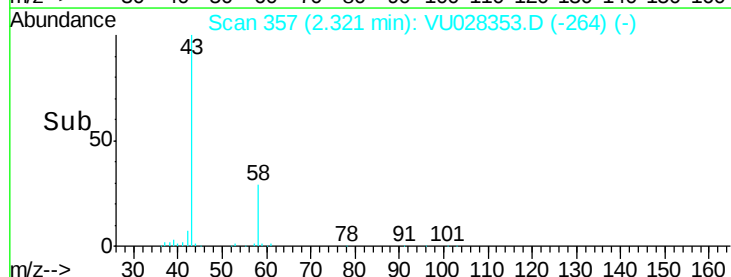
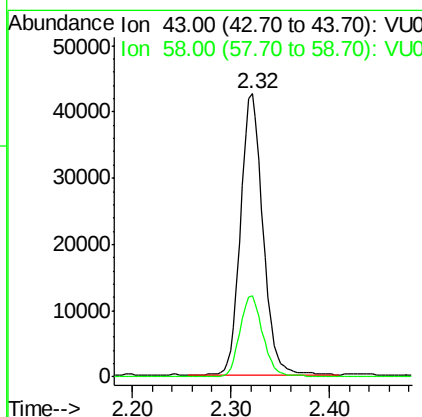
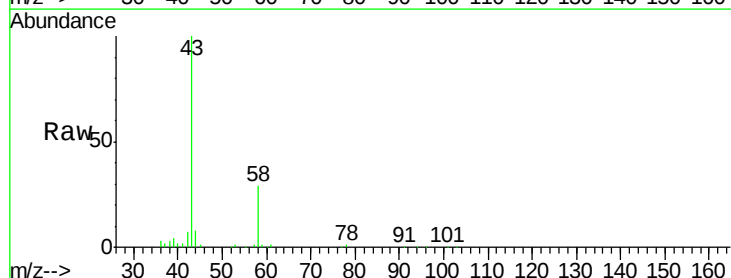
RT: 2.32 min Scan# 357

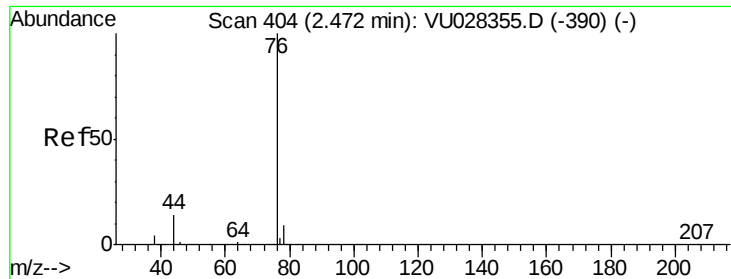
Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Tgt Ion:	43	Resp:	67392
Ion	Ratio	Lower	Upper
43	100		
58	28.8	24.4	36.6





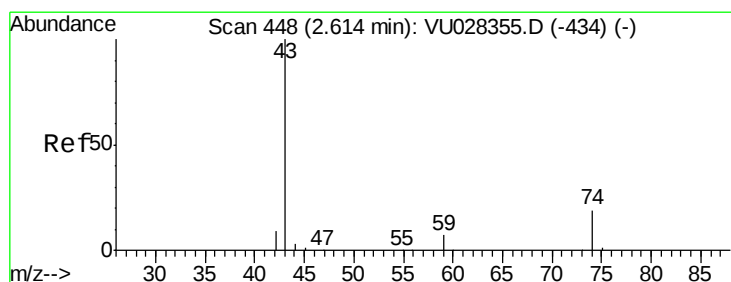
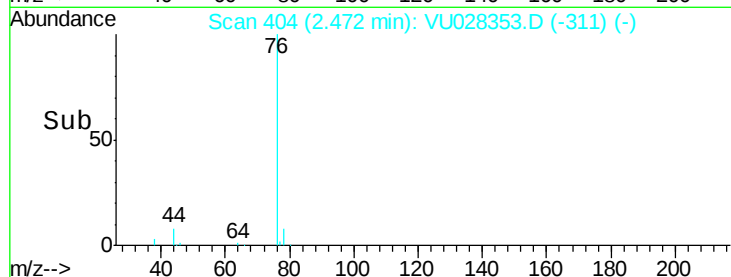
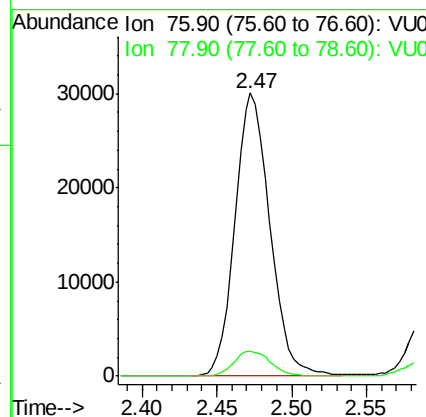
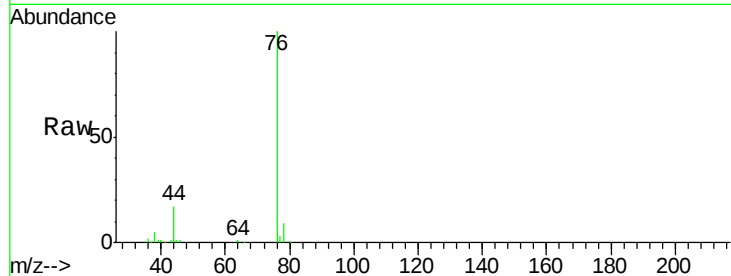
#17
Carbon Disulfide
Concen: 5.060 ug/l
RT: 2.47 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.2

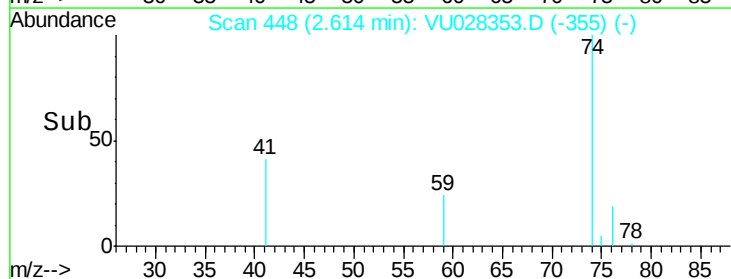
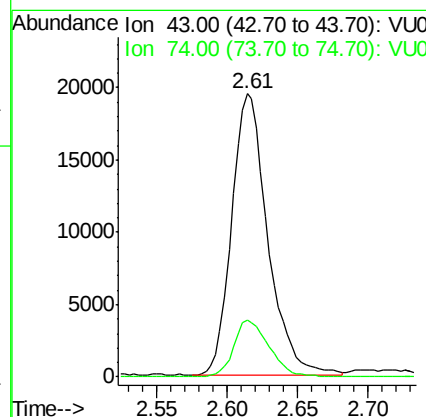
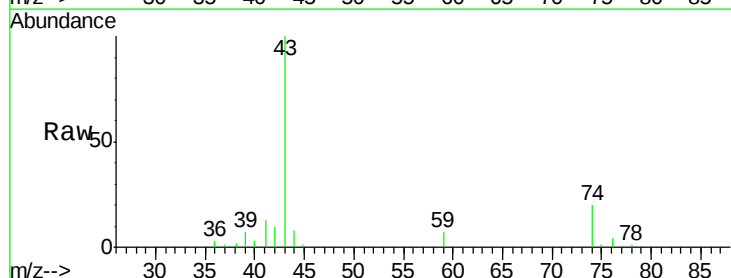
Manual Integrations
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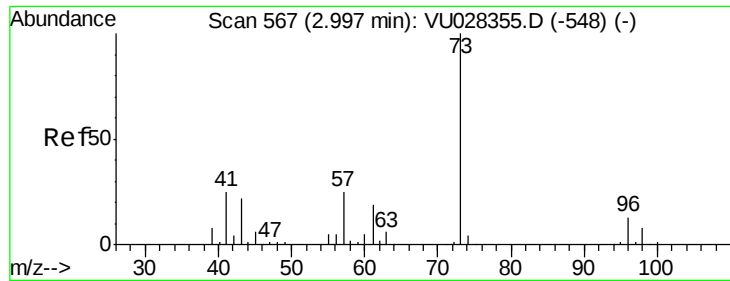
MMDadoda
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#18
Methyl Acetate
Concen: 5.215 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	15.3	22.9





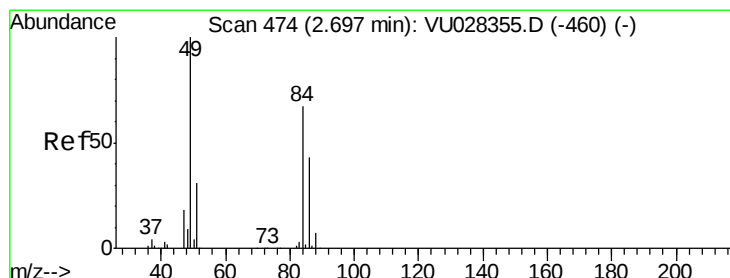
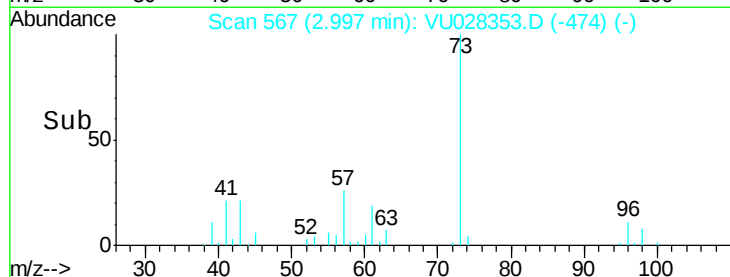
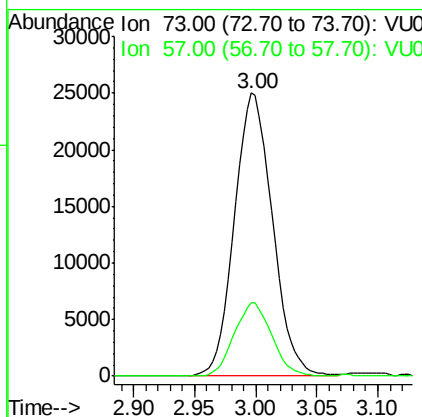
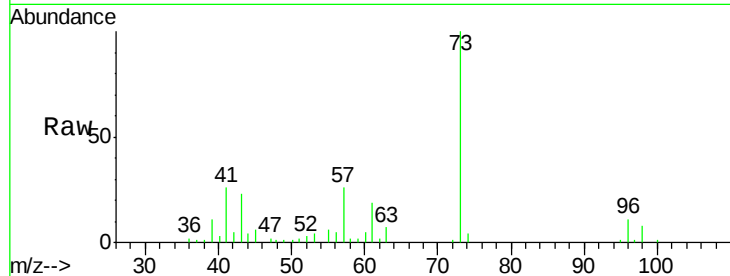
#19
Methyl tert-butyl Ether
Concen: 5.247 ug/l
RT: 3.00 min Scan# 567
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 54178
Ion Ratio Lower Upper
73 100
57 25.9 20.1 30.1

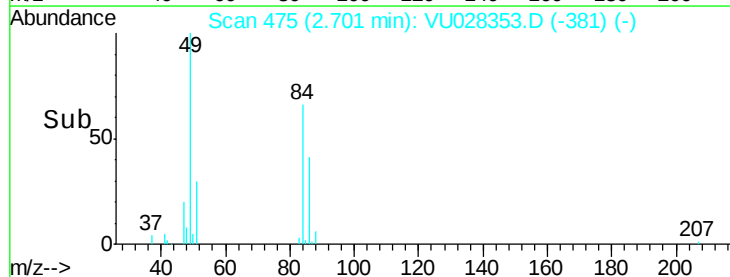
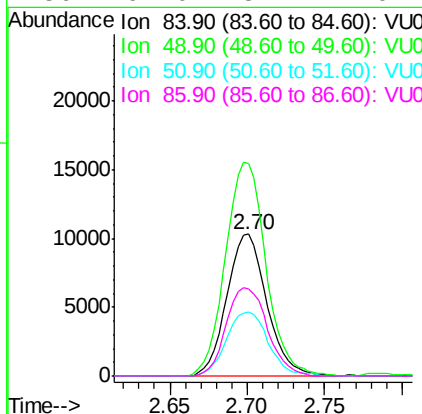
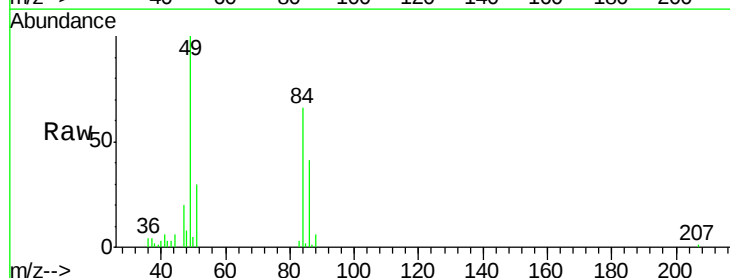
Manual Integrations
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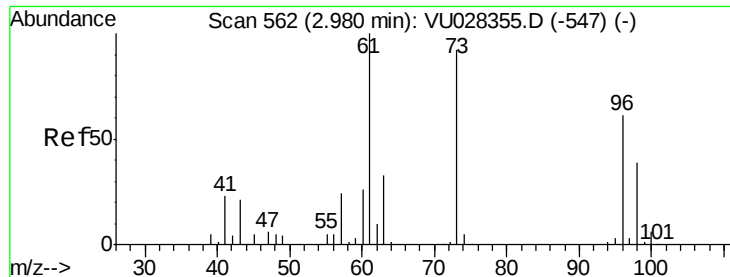
MMDadoda
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#20
Methylene Chloride
Concen: 4.952 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion: 84 Resp: 18463
Ion Ratio Lower Upper
84 100
49 150.4 120.0 180.0
51 45.0 36.9 55.3
86 61.0 51.1 76.7





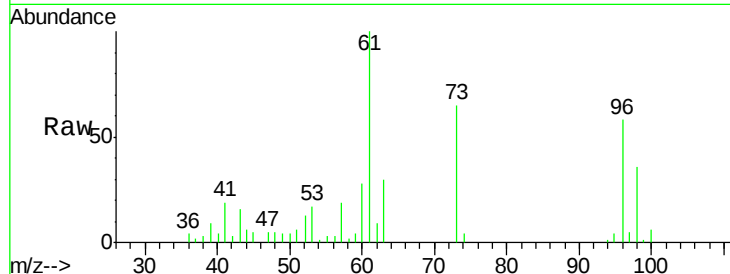
#21
trans-1,2-Dichloroethene
Concen: 5.037 ug/l
RT: 2.98 min Scan# 561
Delta R.T. -0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	173.5	131.1	196.7
98	62.9	51.7	77.5

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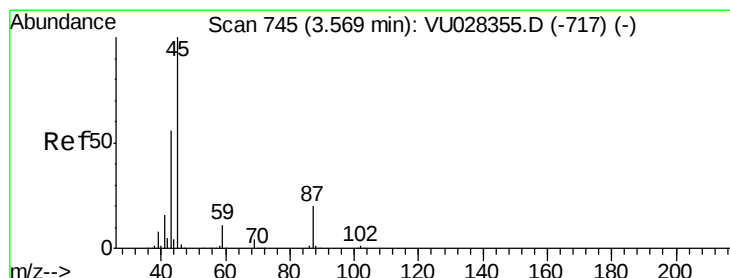
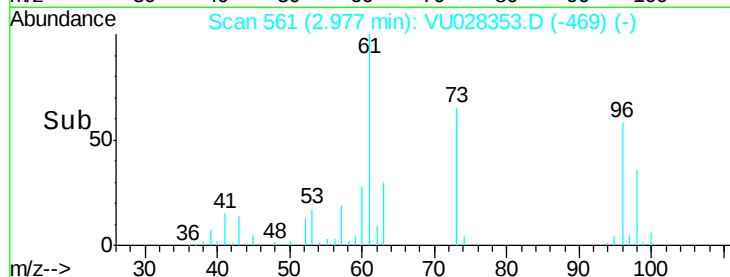
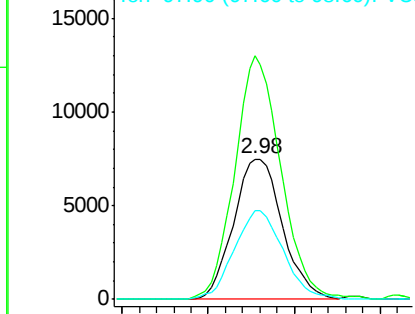


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22
Diisopropyl ether
Concen: 5.119 ug/l
RT: 3.57 min Scan# 745
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.5	44.8	67.2
87	22.0	16.3	24.5
59	10.4	8.6	12.8

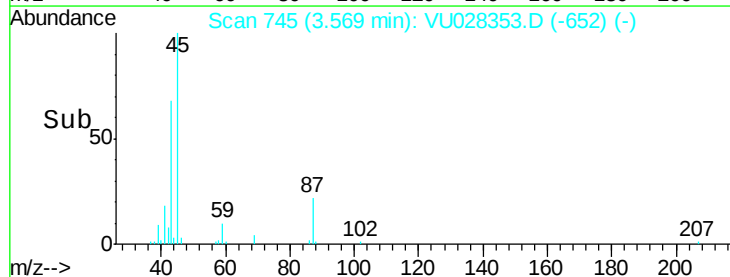
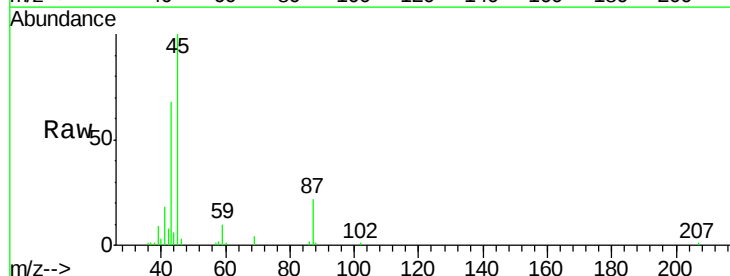
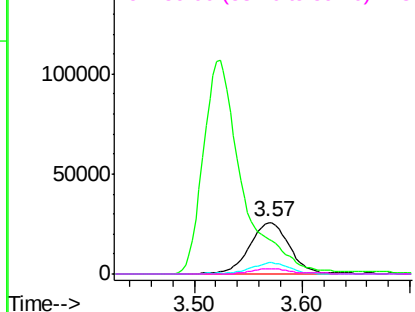
Abundance

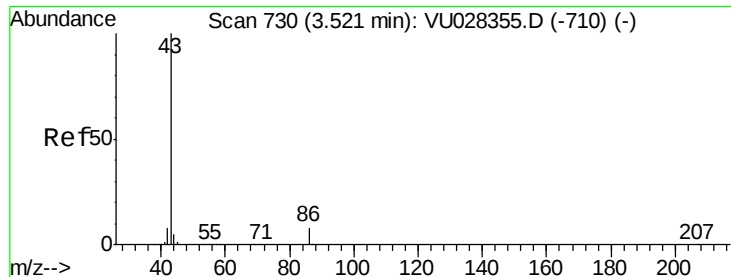
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 25.130 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 270610

Ion Ratio Lower Upper

43 100

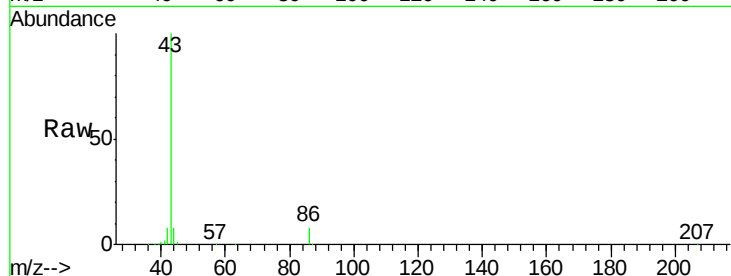
86 8.1 6.5 9.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.52

120000

100000

80000

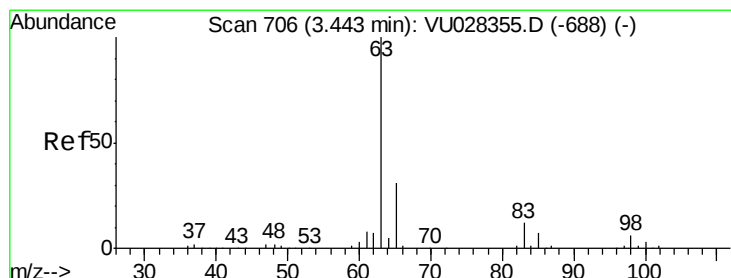
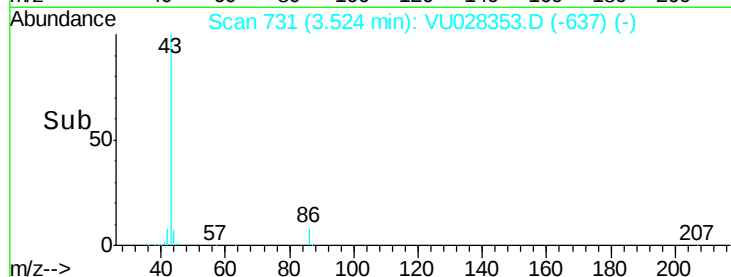
60000

40000

20000

0

Time--> 3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 5.377 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

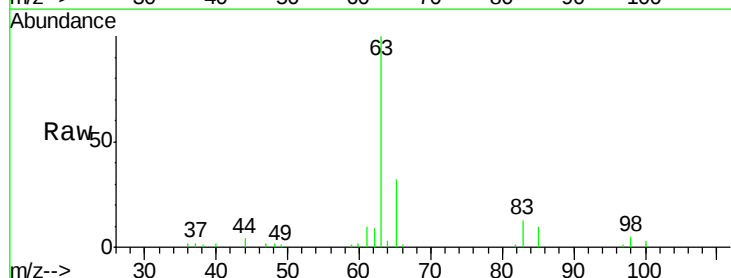
Tgt Ion: 63 Resp: 34344

Ion Ratio Lower Upper

63 100

98 4.6 2.9 8.6

100 3.0 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

20000

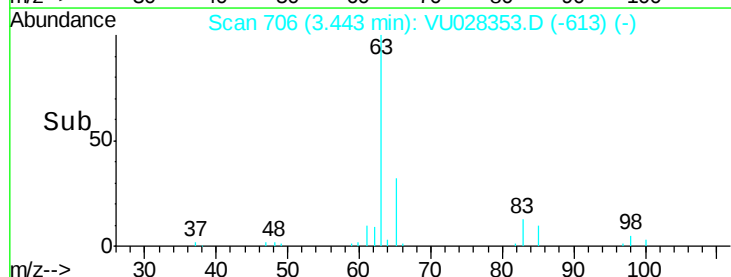
15000

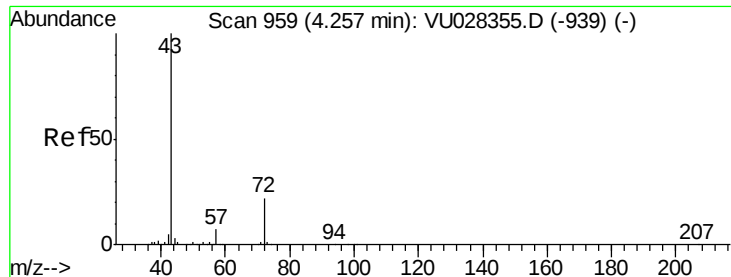
10000

5000

0

Time--> 3.35 3.40 3.45 3.50





#25

2-Butanone

Concen: 26.401 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.01 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 91192

Ion Ratio Lower Upper

43 100

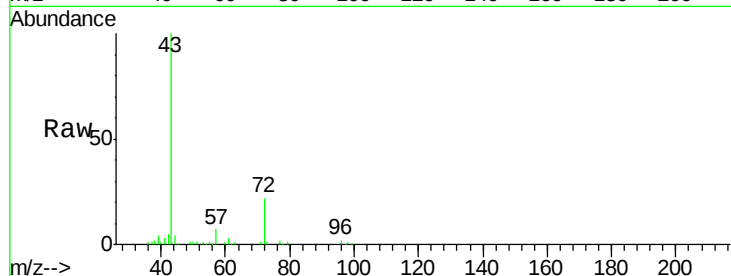
72 21.9 17.7 26.5

Manual Integrations

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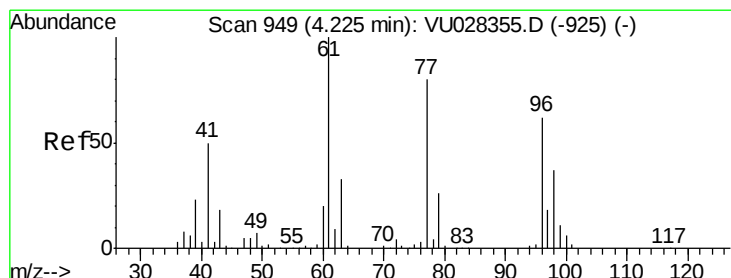
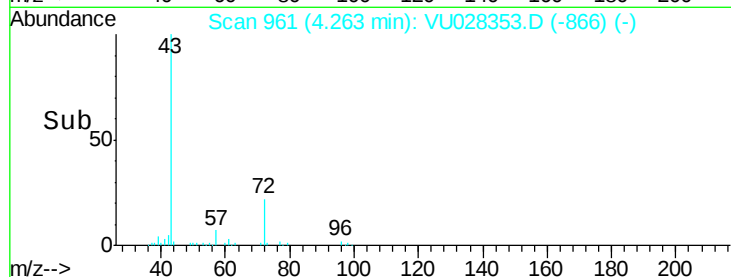
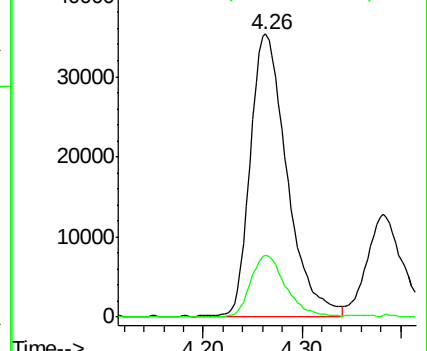
MMDadoda

11/29/2018 1:22:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 5.084 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028353.D

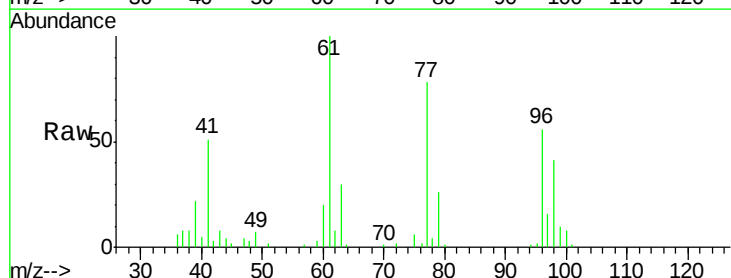
Acq: 28 Nov 2018 09:35

Tgt Ion: 77 Resp: 25791

Ion Ratio Lower Upper

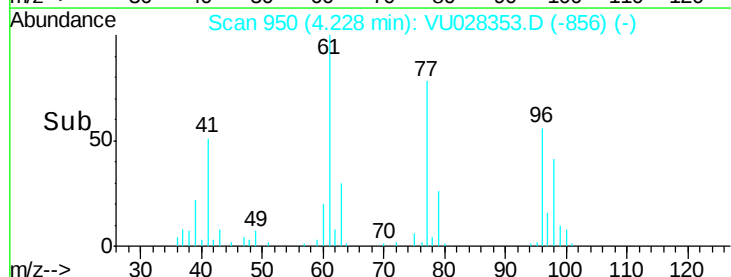
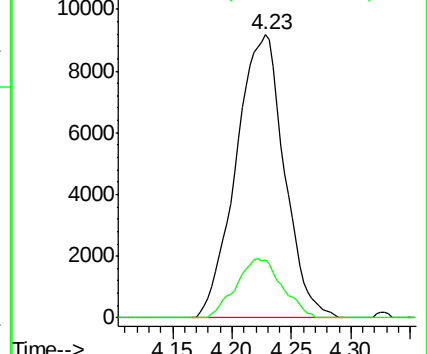
77 100

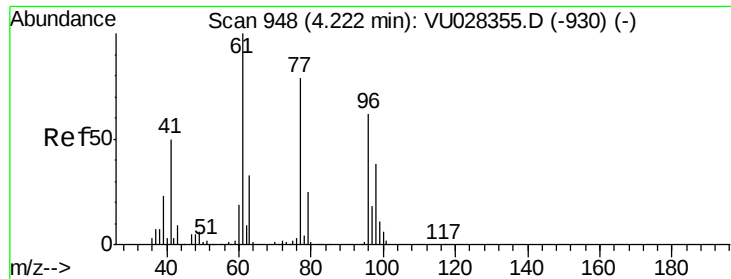
97 19.8 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

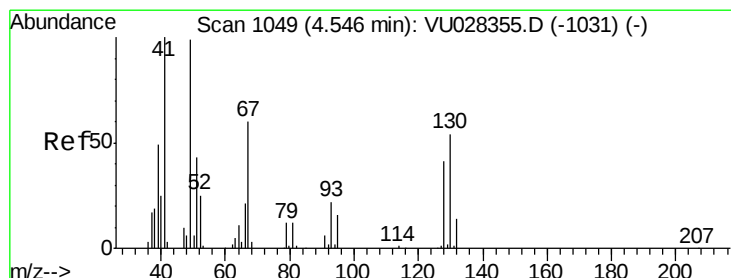
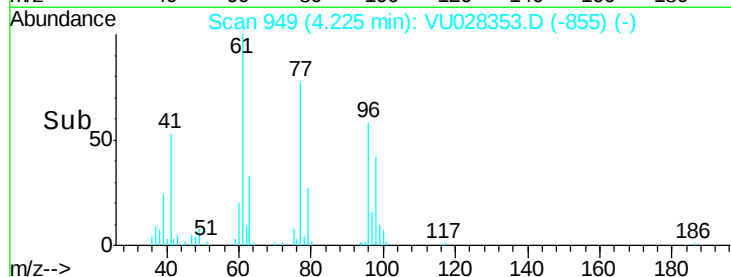
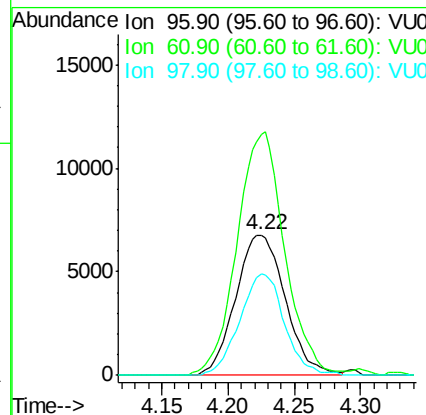
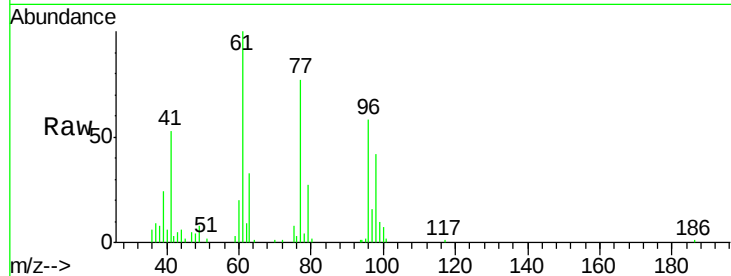
cis-1,2-Dichloroethene
Concen: 5.097 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.3	0.0	342.0
98	65.2	0.0	126.4

Manual Integrations
APPROVED

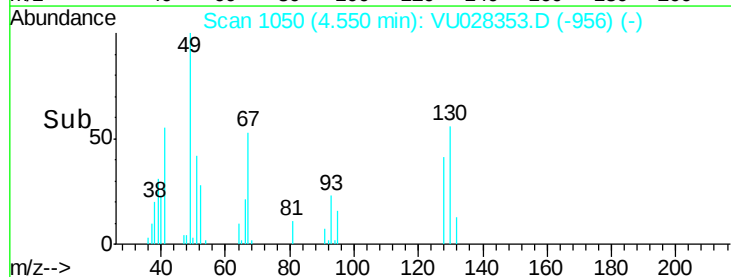
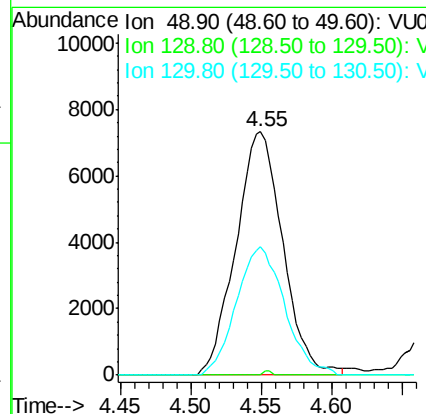
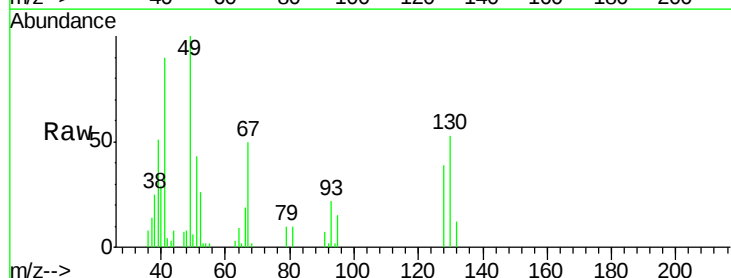
MMDadoda
11/29/2018 1:22:43 PM

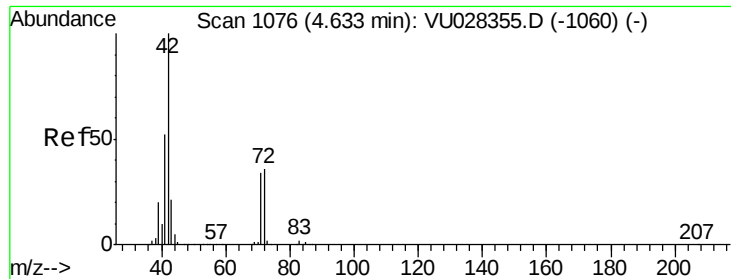


#28

Bromochloromethane
Concen: 5.337 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	2.6
130	54.1	44.5	66.7





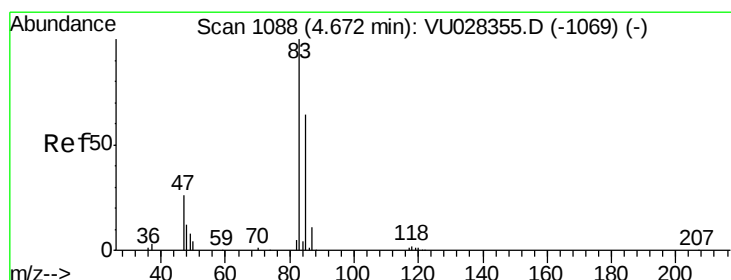
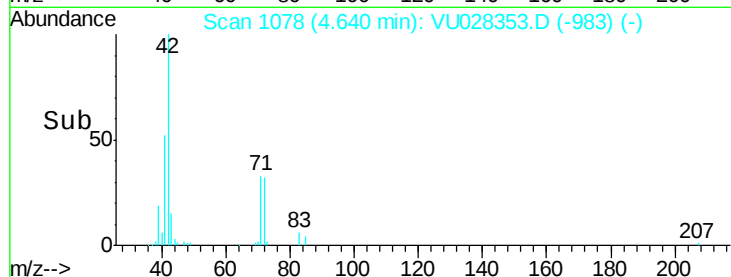
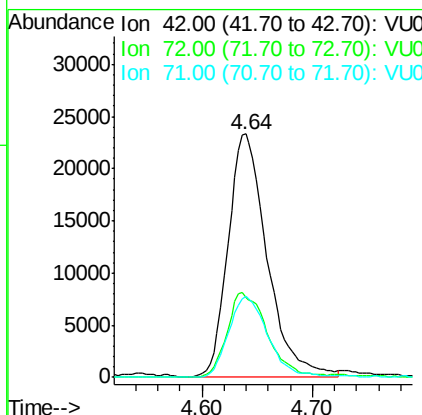
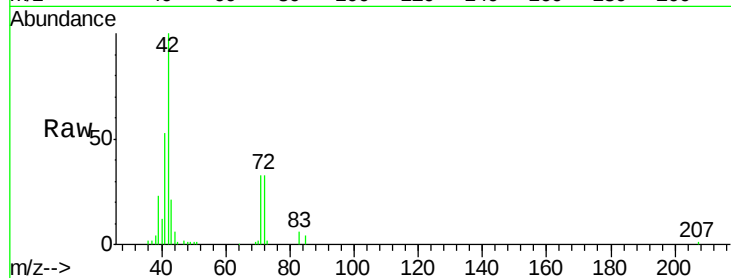
#29
Tetrahydrofuran
Concen: 25.583 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.9	29.5	44.3
71	33.0	27.7	41.5

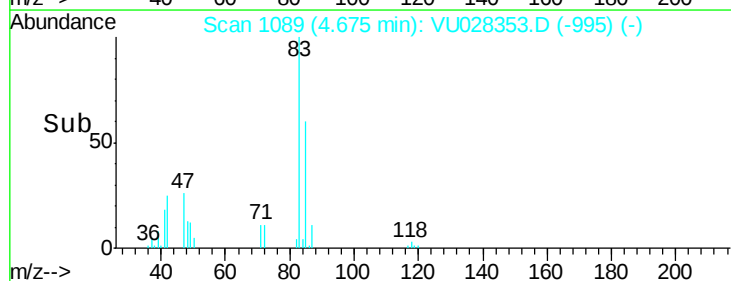
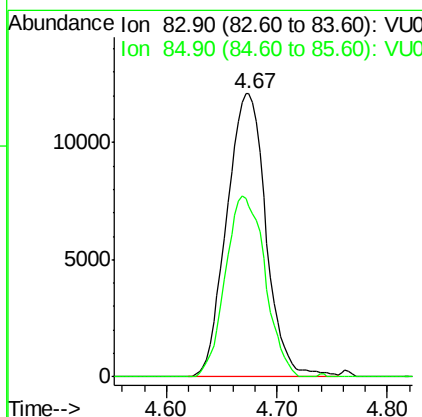
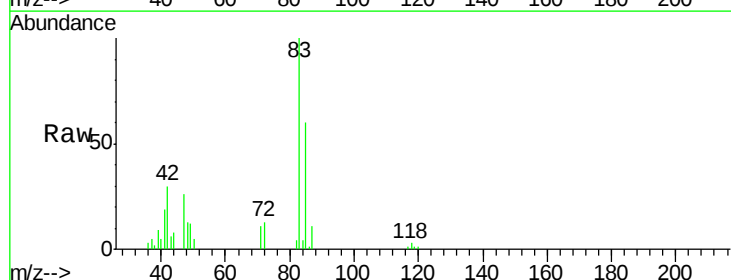
Manual Integrations
APPROVED

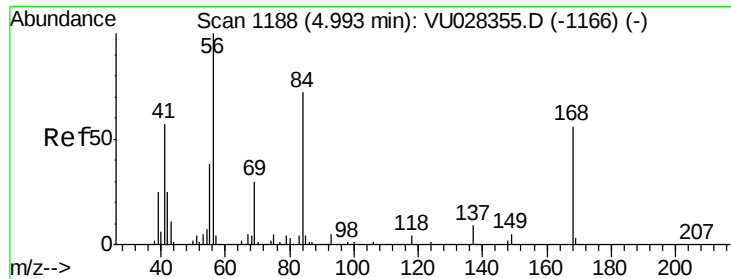
MMDadoda
11/29/2018 1:22:43 PM



#30
Chloroform
Concen: 5.060 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.5	51.2	76.8





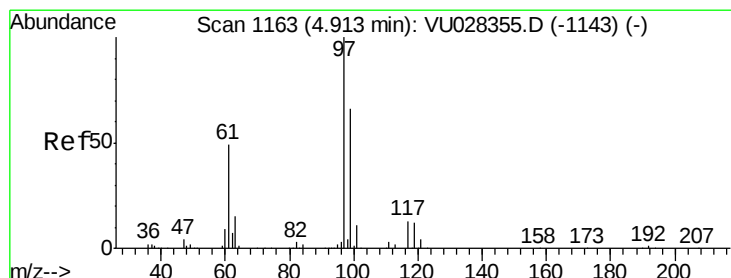
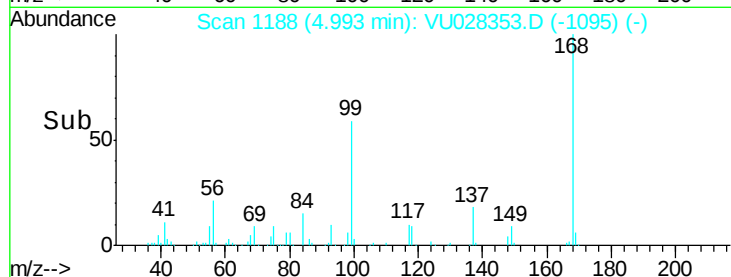
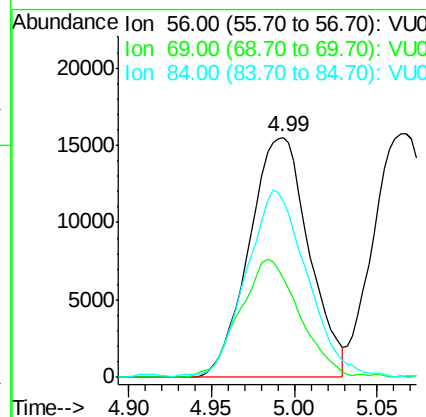
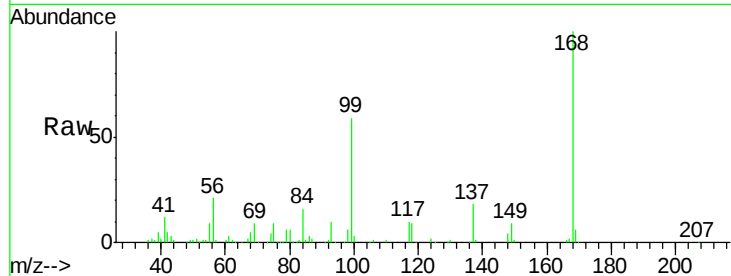
#31
Cyclohexane
Concen: 5.149 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.5	23.7	35.5#
84	72.1	57.3	85.9

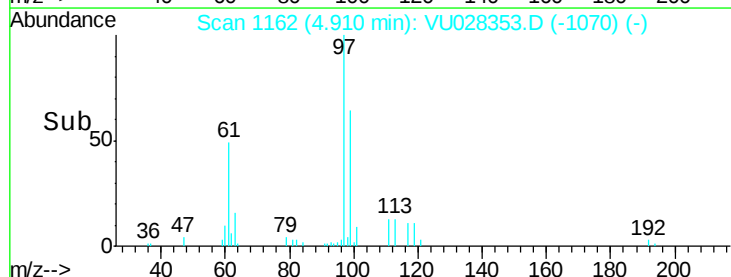
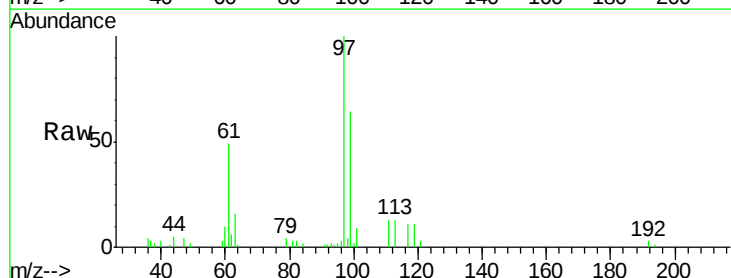
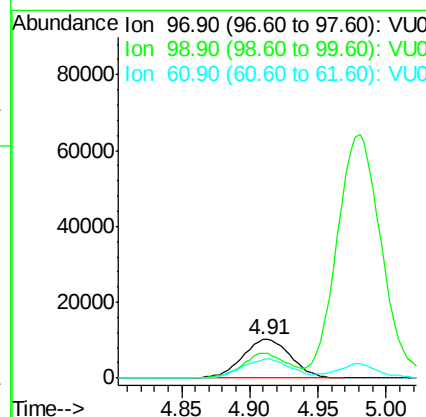
Manual Integrations
APPROVED

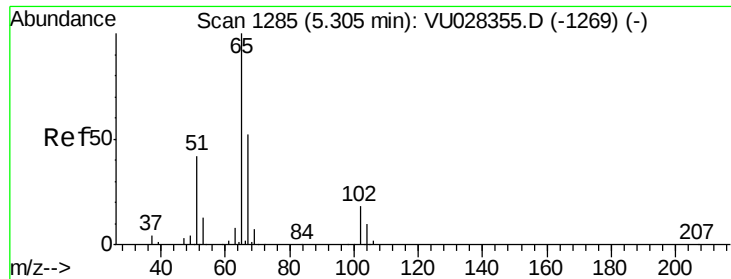
MMDadoda
11/29/2018 1:22:43 PM



#32
1,1,1-Trichloroethane
Concen: 5.289 ug/l
RT: 4.91 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.3	50.8	76.2
61	49.1	39.1	58.7





#33

1,2-Dichloroethane-d4

Concen: 5.085 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 20034

Ion Ratio Lower Upper

65 100

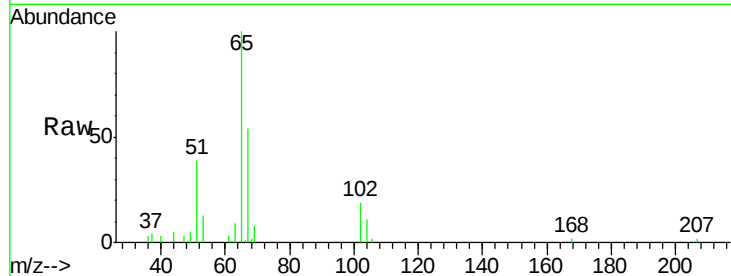
67 56.4 0.0 106.8

Manual Integrations

APPROVED

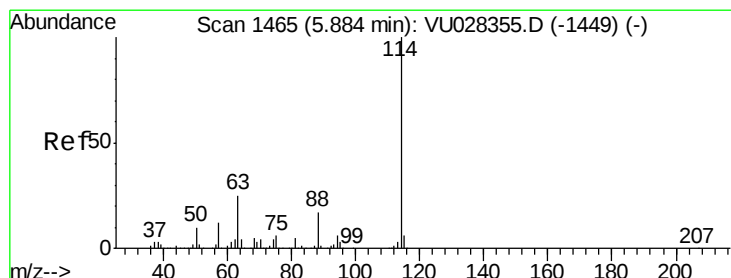
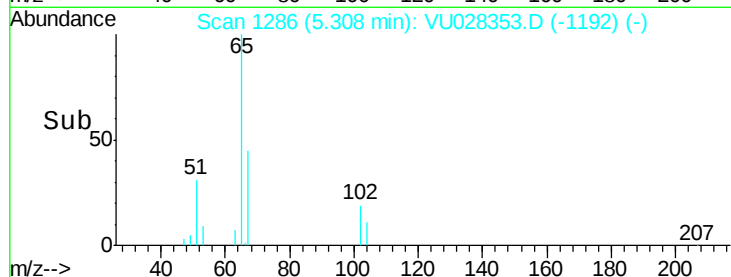
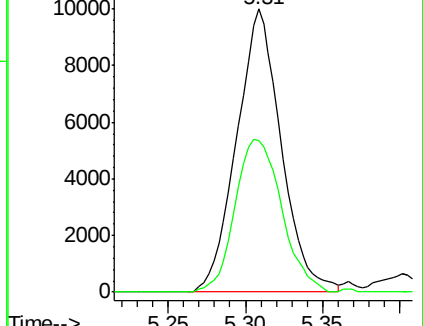
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Abundance Ion 64.90 (64.60 to 65.60): VU028353.D (-1269) (-)

Ion 66.90 (66.60 to 67.60): VU028353.D (-1269) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

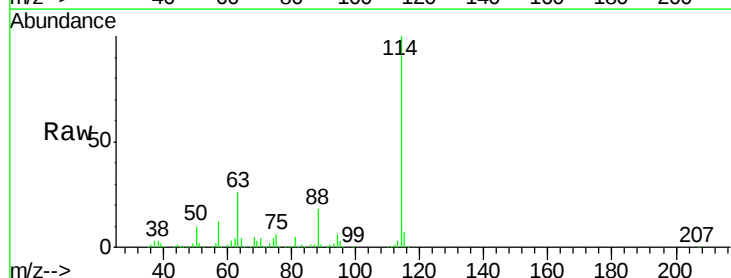
Tgt Ion: 114 Resp: 424952

Ion Ratio Lower Upper

114 100

63 26.0 0.0 50.0

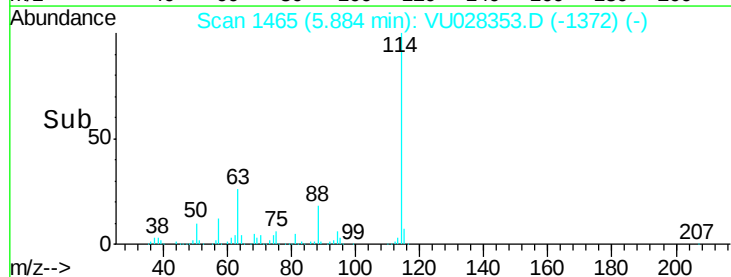
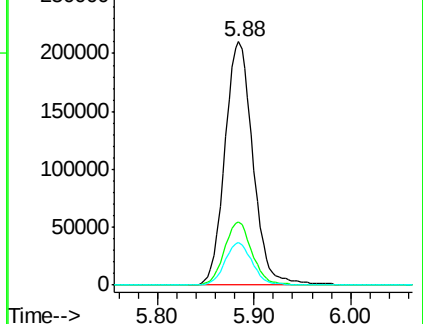
88 17.6 0.0 34.4

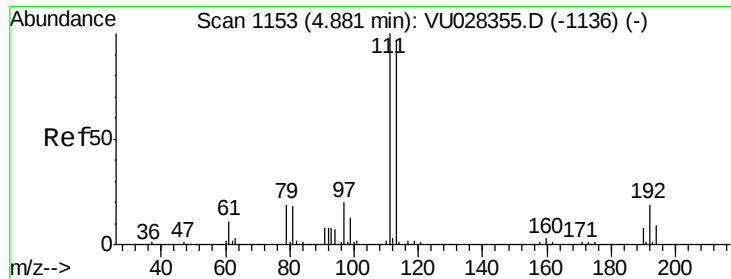


Abundance Ion 113.90 (113.60 to 114.60): VU028353.D (-1449) (-)

Ion 63.00 (62.70 to 63.70): VU028353.D (-1449) (-)

Ion 87.90 (87.60 to 88.60): VU028353.D (-1449) (-)





#35

Dibromofluoromethane

Concen: 5.069 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

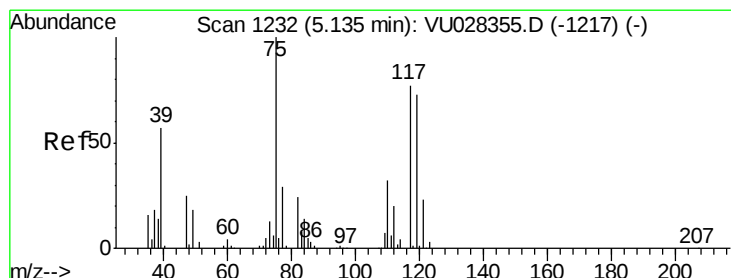
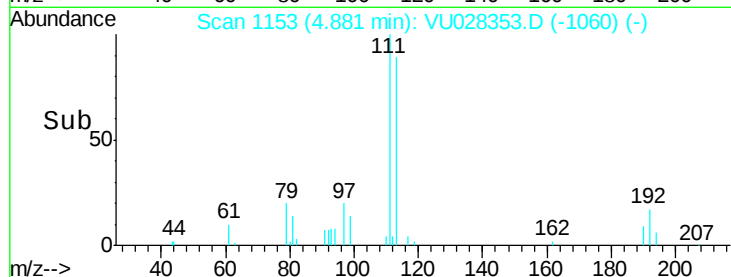
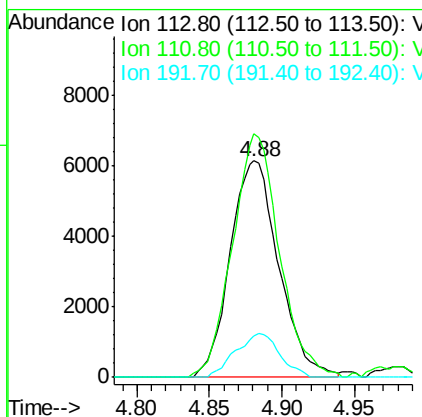
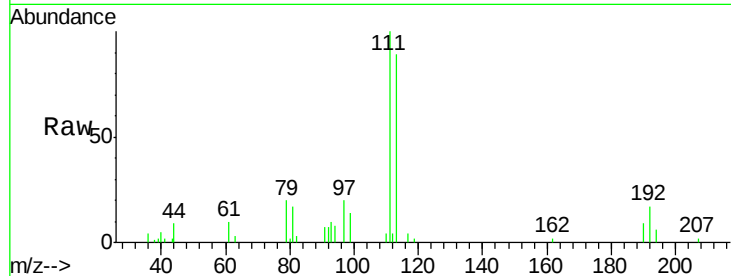
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	14325		
111	108.7		82.9	124.3
192	18.3		15.4	23.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 5.054 ug/l

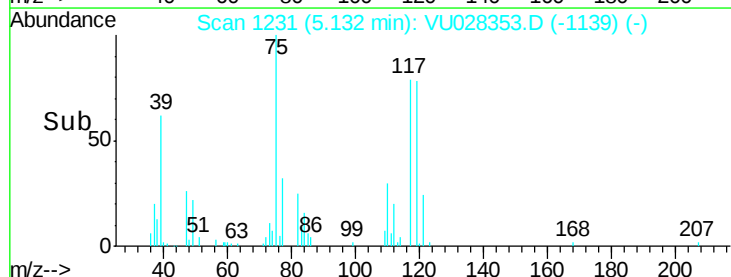
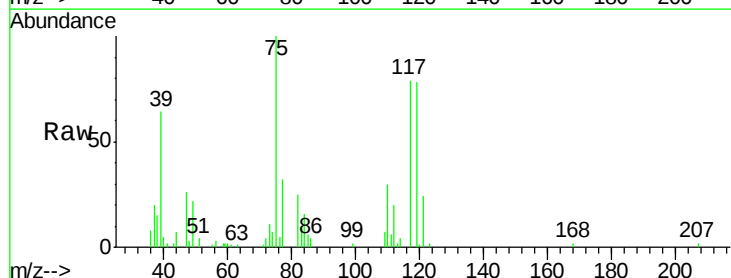
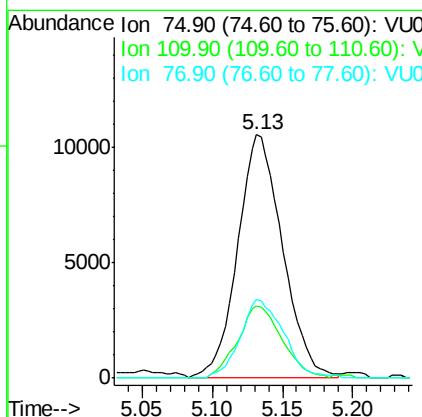
RT: 5.13 min Scan# 1231

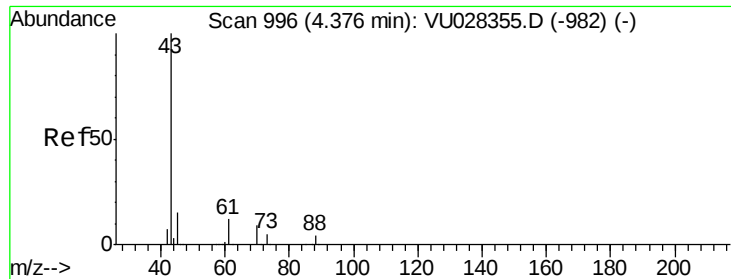
Delta R.T. -0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23501		
110	29.2		15.8	47.4
77	31.2		24.6	36.8





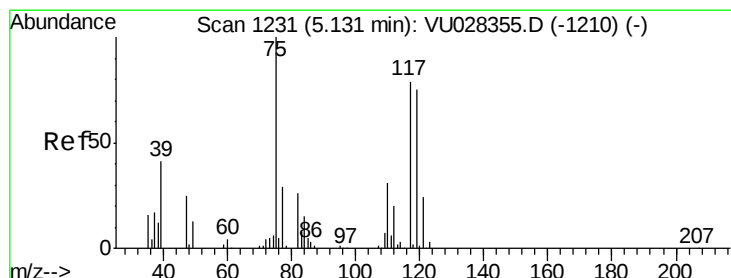
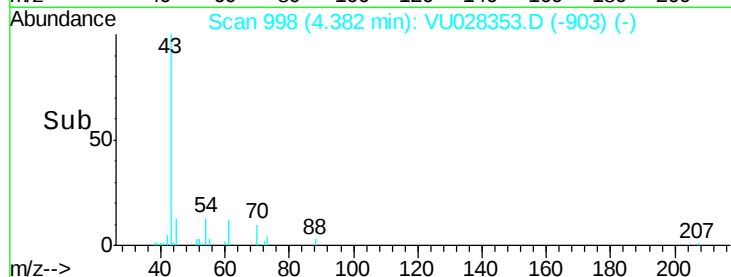
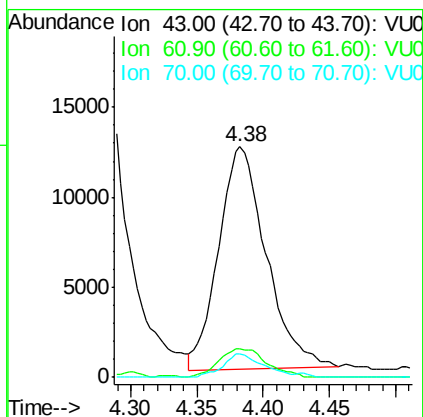
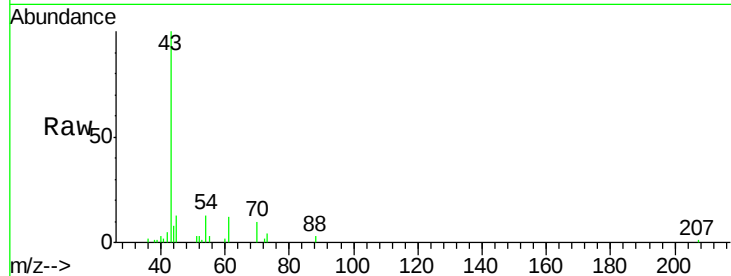
#37
Ethyl Acetate
Concen: 4.890 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.01 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.4
70	8.9	6.9	10.3

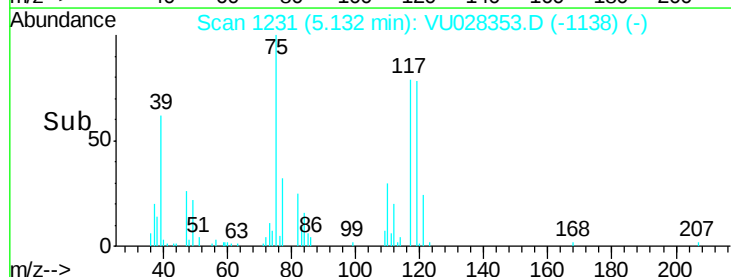
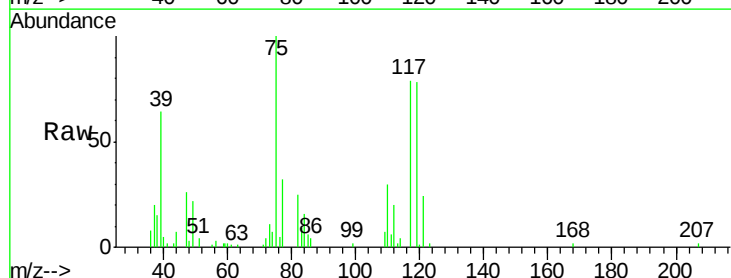
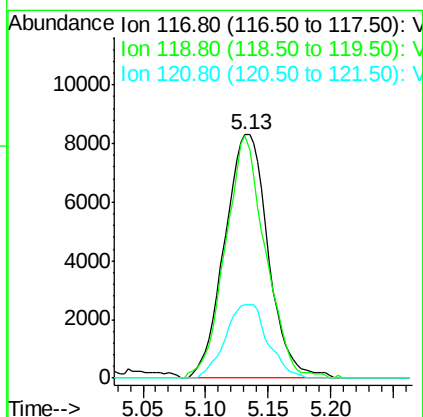
Manual Integrations
APPROVED

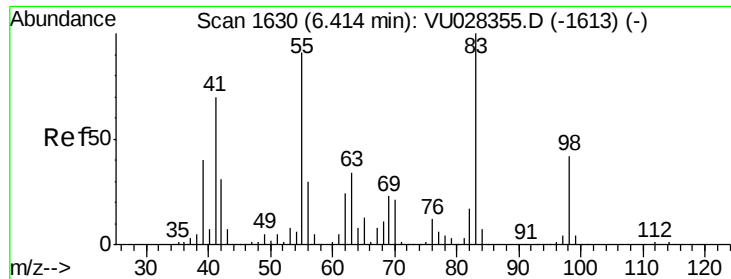
MMDadoda
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#38
Carbon Tetrachloride
Concen: 5.243 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	76.3	114.5
121	30.0	24.7	37.1





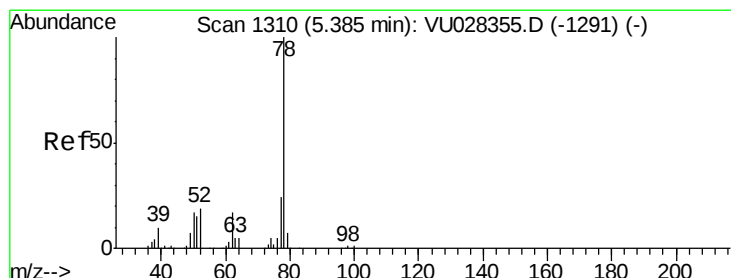
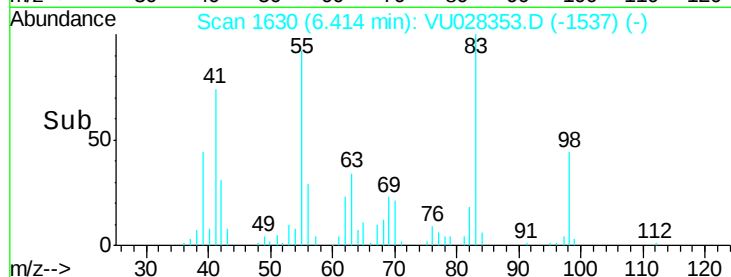
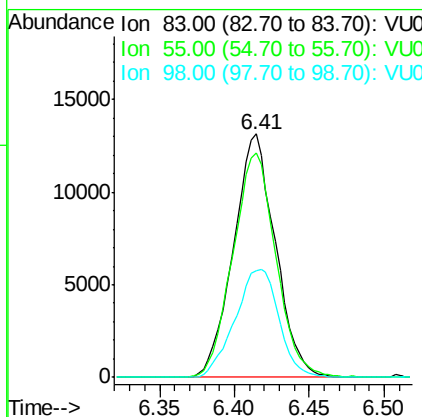
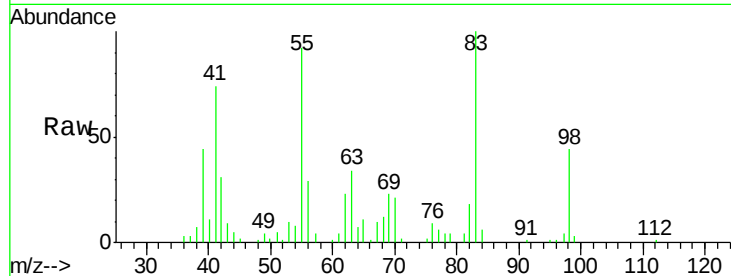
#39
Methvlcvclohexane
Concen: 4.666 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.0	73.1	109.7
98	44.1	33.9	50.9

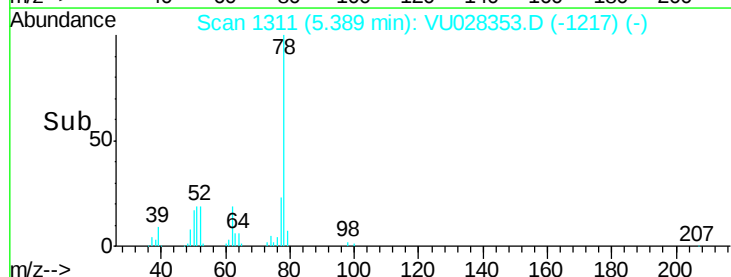
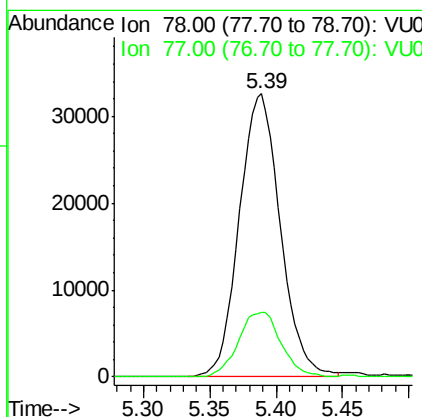
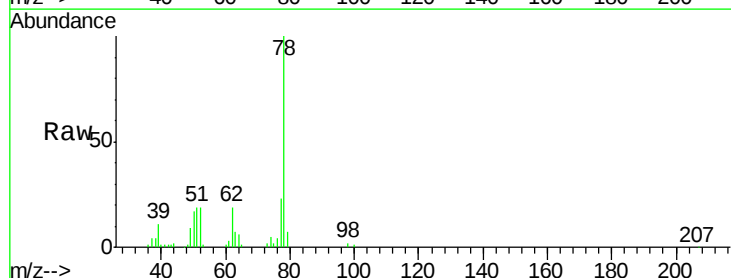
Manual Integrations
APPROVED

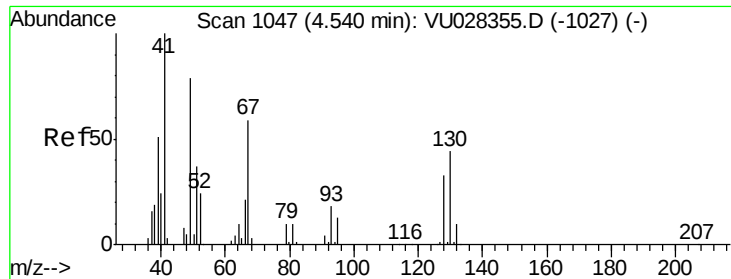
MMDadoda
11/29/2018 1:22:43 PM



#40
Benzene
Concen: 5.102 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.6





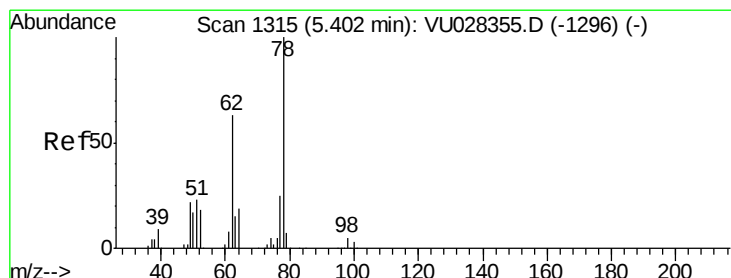
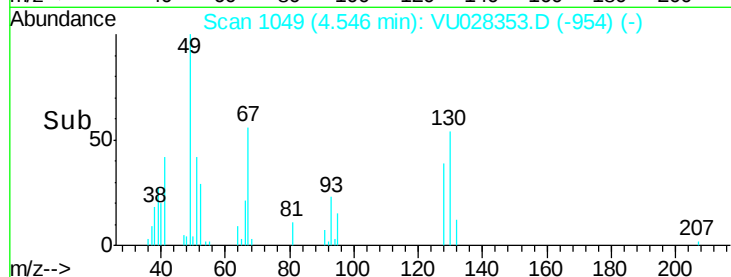
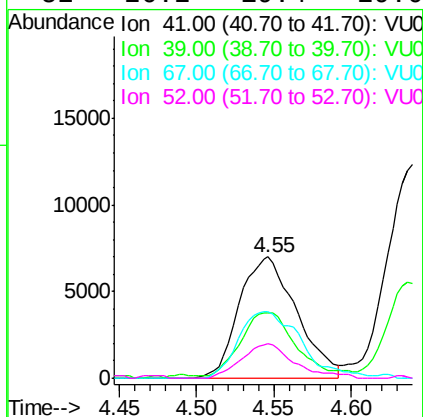
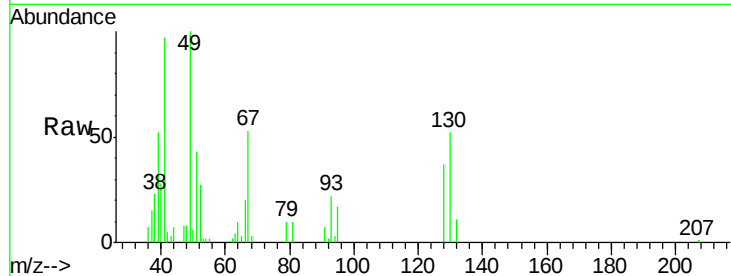
#41
Methacrylonitrile
Concen: 5.111 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.01 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.7	41.3	61.9	
67	60.1	48.6	73.0	
52	26.2	19.4	29.0	

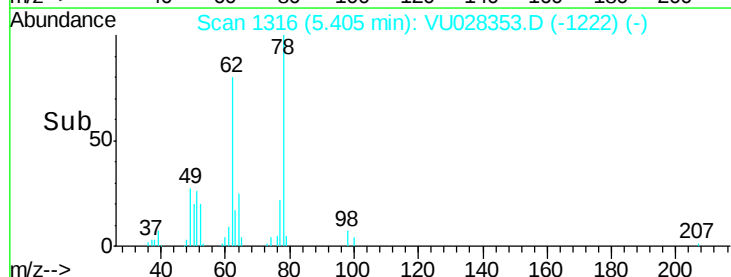
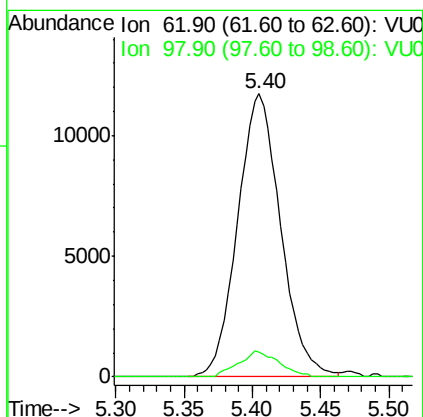
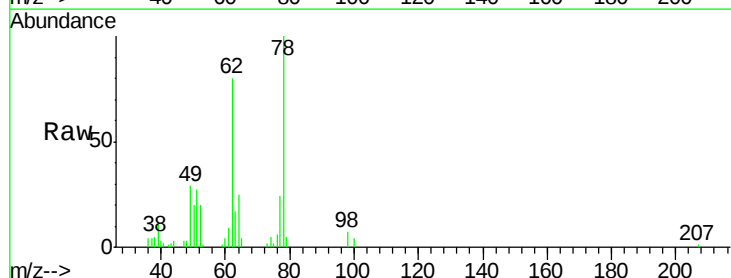
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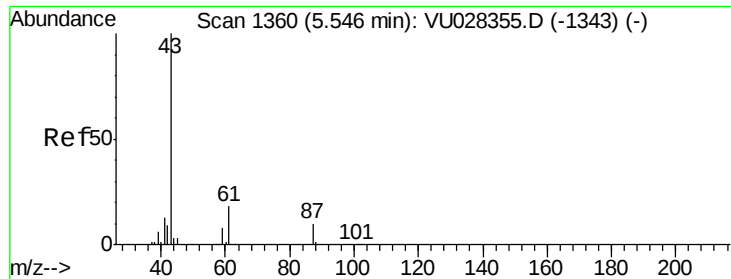
MMDadoda
11/29/2018 1:22:43 PM



#42
1,2-Dichloroethane
Concen: 5.181 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

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





#43

Isopropyl Acetate

Concen: 4.872 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

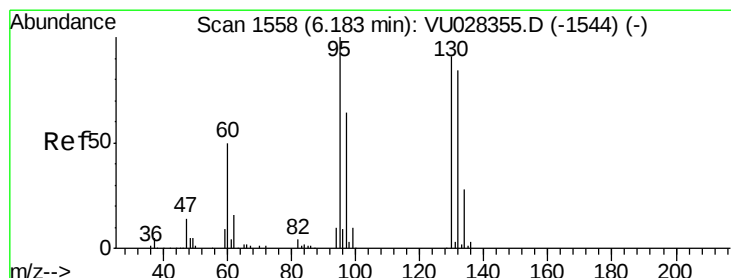
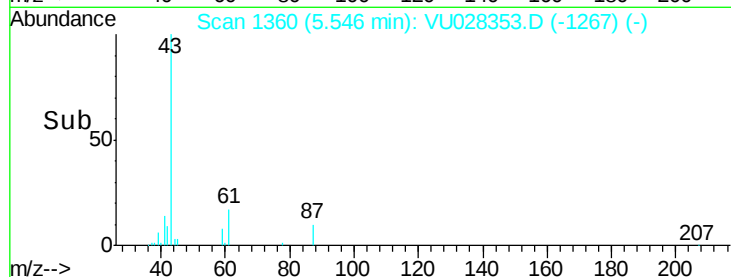
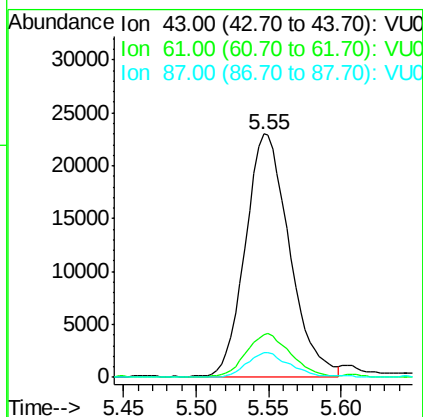
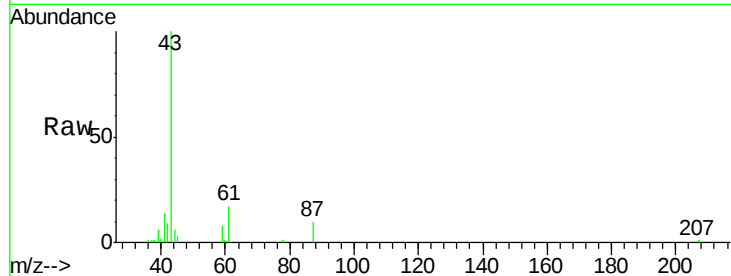
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	48924
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.5	21.7
87	9.9	8.4	12.6

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#44

Trichloroethene

Concen: 5.039 ug/l

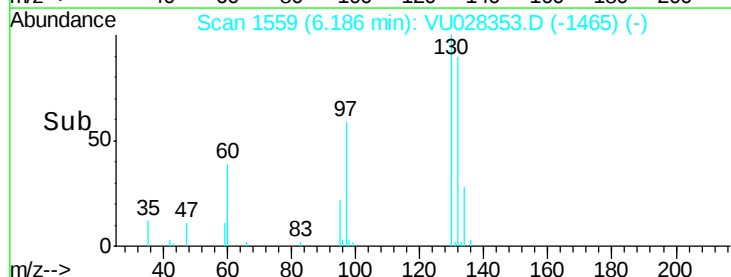
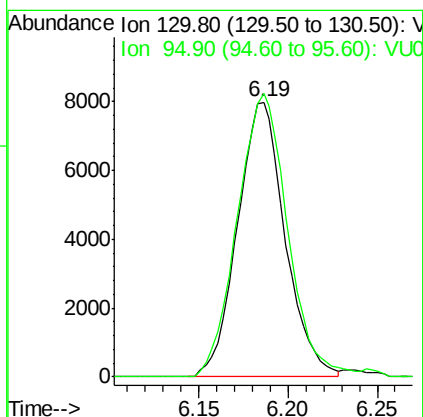
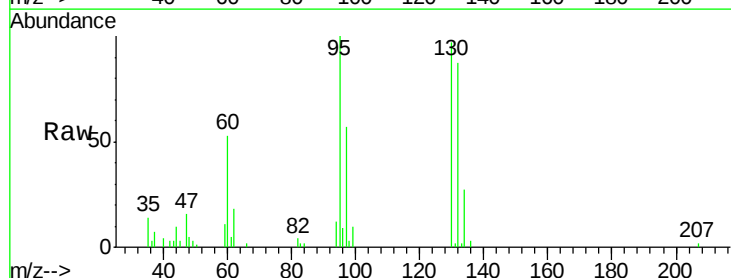
RT: 6.19 min Scan# 1559

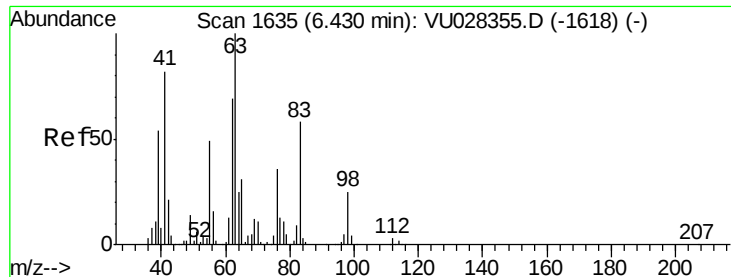
Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Tgt Ion:	130	Resp:	14877
Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	219.8





#45

1,2-Dichloropropane

Concen: 5.093 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 20543

Ion Ratio Lower Upper

63 100

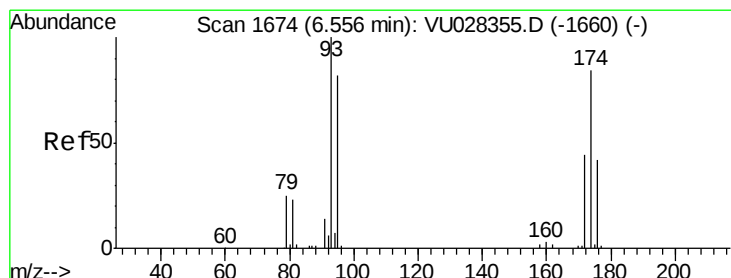
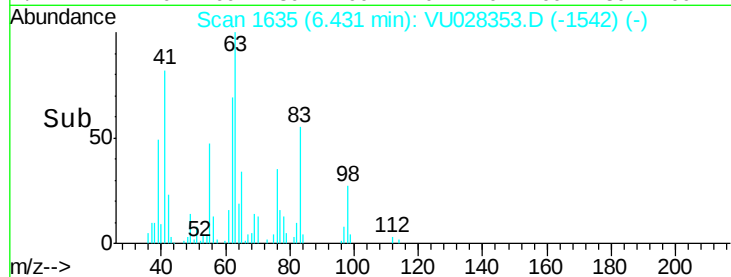
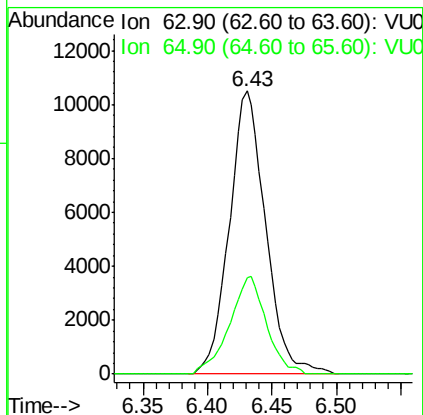
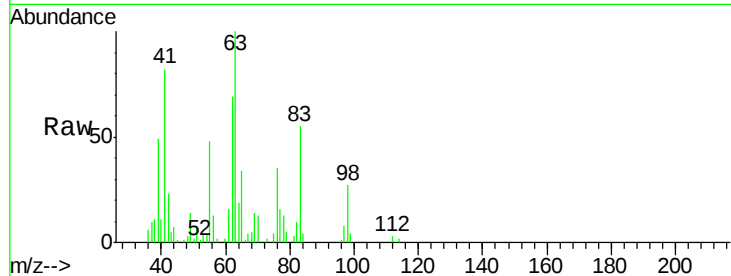
65 34.1 25.1 37.7

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#46

Dibromomethane

Concen: 5.292 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

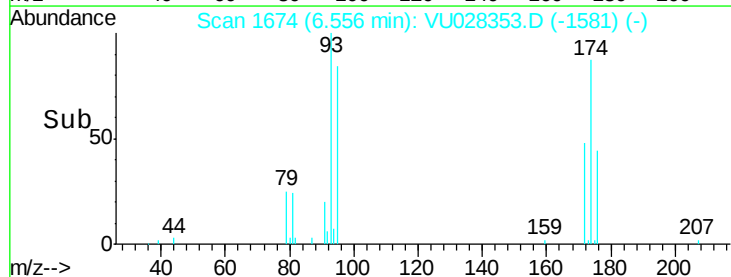
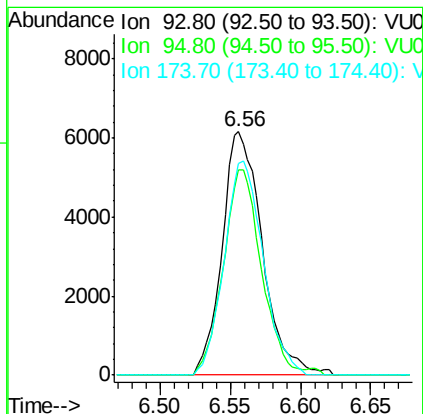
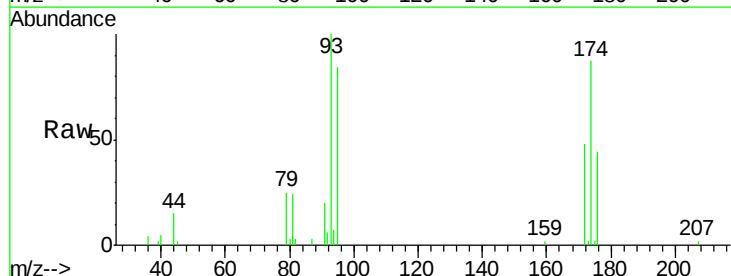
Tgt Ion: 93 Resp: 12260

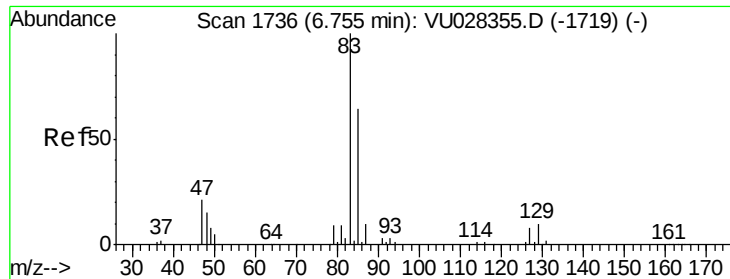
Ion Ratio Lower Upper

93 100

95 79.9 65.1 97.7

174 85.3 69.9 104.9





#47

Bromodichloromethane

Concen: 5.135 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

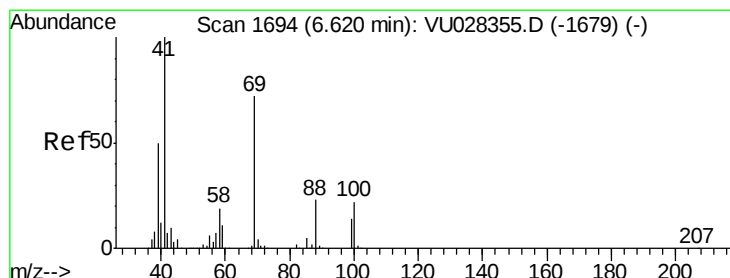
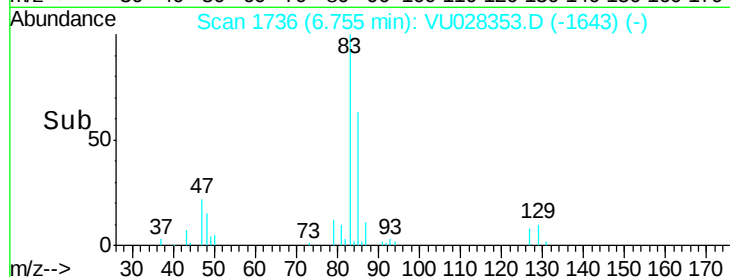
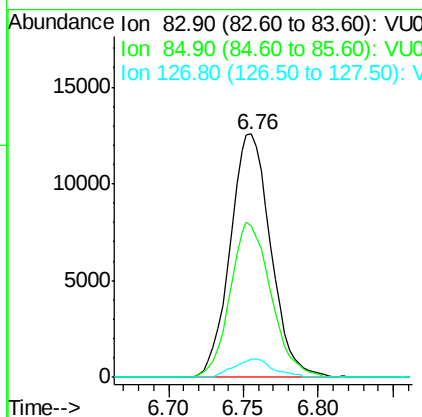
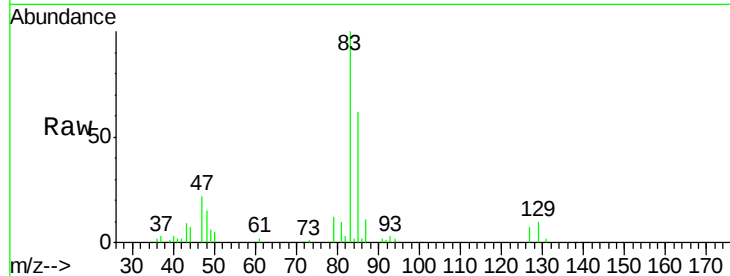
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	23661
Ion Ratio	Lower	Upper	
83	100		
85	62.3	50.9	76.3
127	7.4	6.2	9.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.856 ug/l

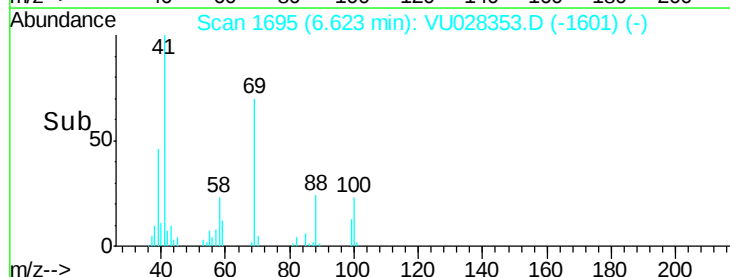
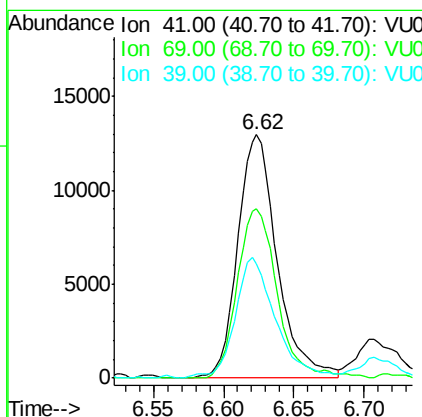
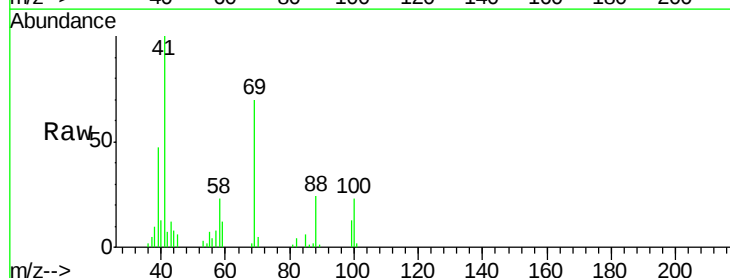
RT: 6.62 min Scan# 1695

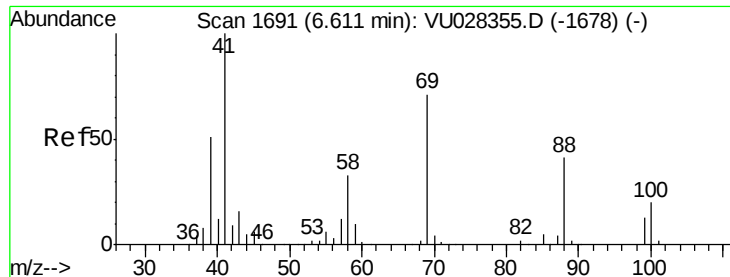
Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Tgt Ion:	41	Resp:	25400
Ion Ratio	Lower	Upper	
41	100		
69	70.7	59.0	88.4
39	50.6	40.5	60.7





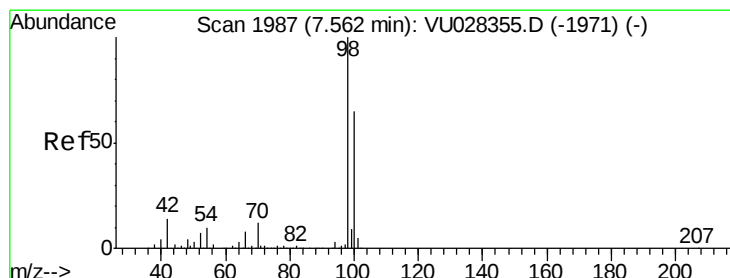
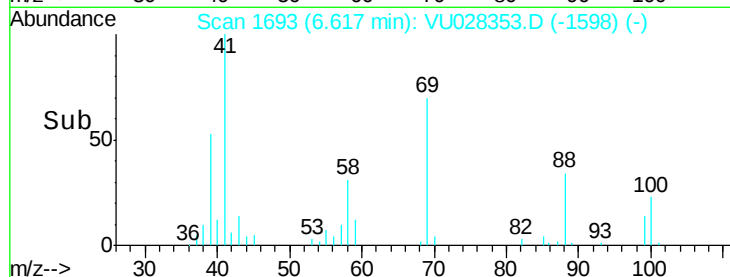
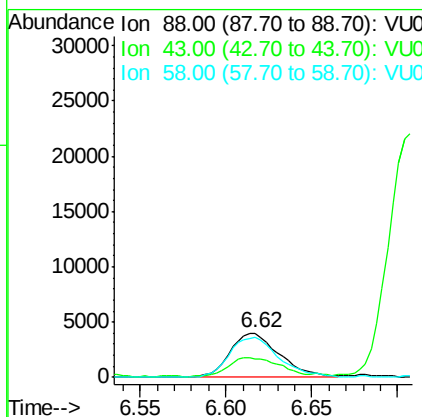
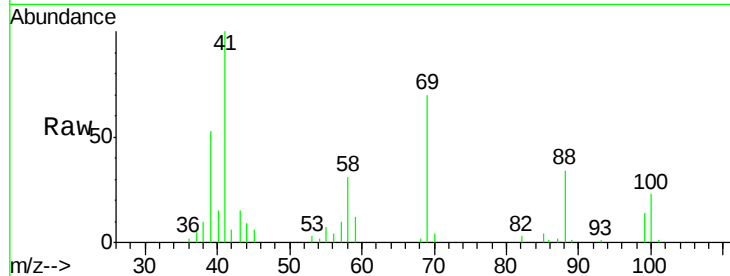
#49
1,4-Dioxane
Concen: 96.654 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	50.0	32.6	48.8#
58	89.6	68.7	103.1

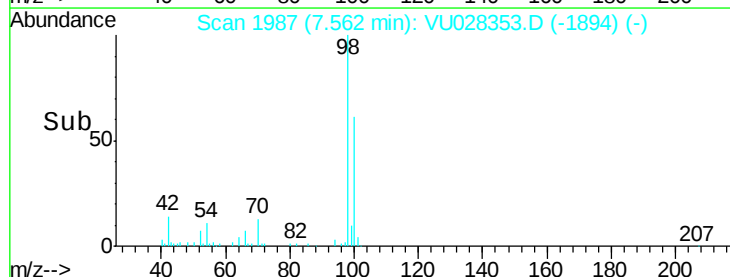
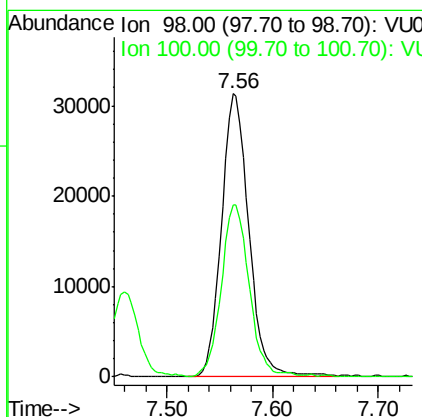
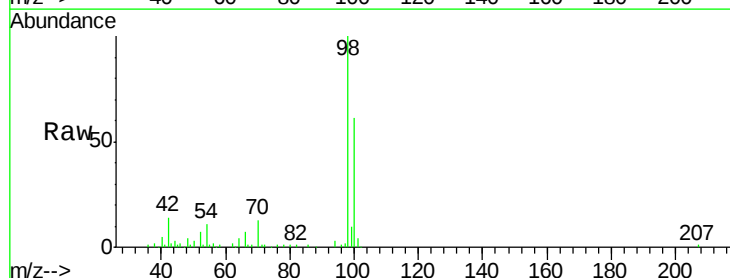
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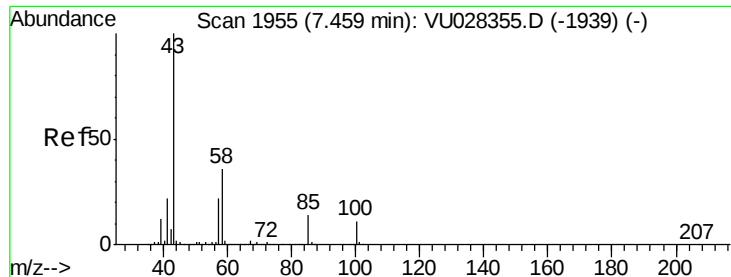
MMDadoda
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#50
Toluene-d8
Concen: 4.990 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.2	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 24.793 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 159020

Ion Ratio Lower Upper

43 100

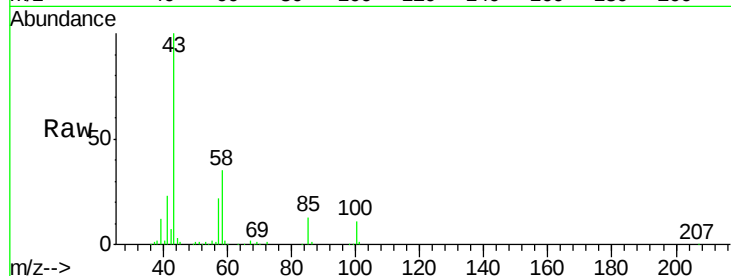
58 34.9 28.8 43.2

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

80000

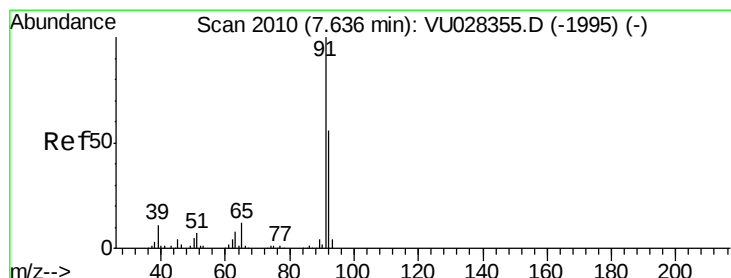
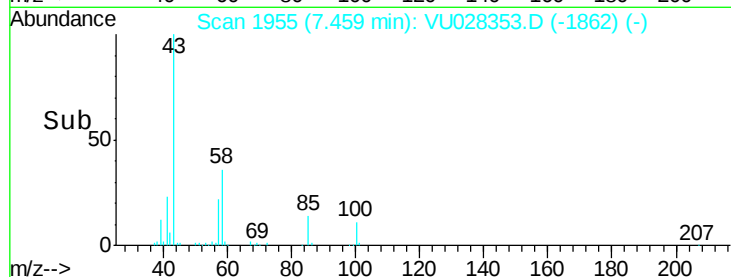
60000

40000

20000

0

Time--> 7.35 7.40 7.45 7.50 7.55



#52

Toluene

Concen: 4.981 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028353.D

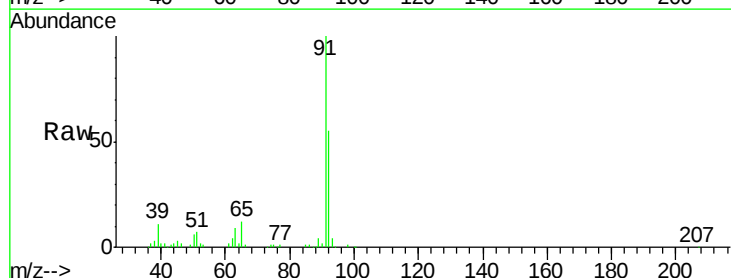
Acq: 28 Nov 2018 09:35

Tgt Ion: 92 Resp: 39504

Ion Ratio Lower Upper

92 100

91 181.5 141.8 212.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

40000

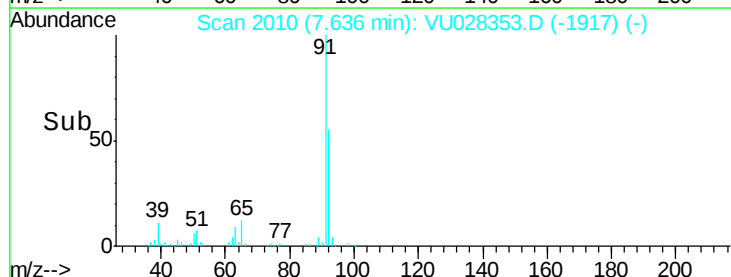
30000

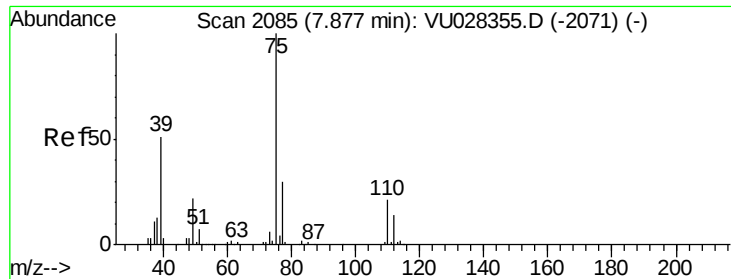
20000

10000

0

Time--> 7.55 7.60 7.65 7.70





#53

t-1,3-Dichloropropene

Concen: 4.976 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 27416

Ion Ratio Lower Upper

75 100

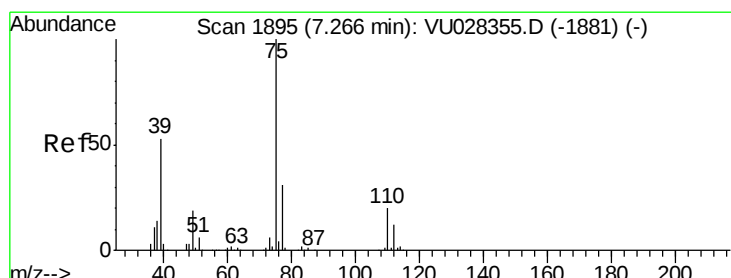
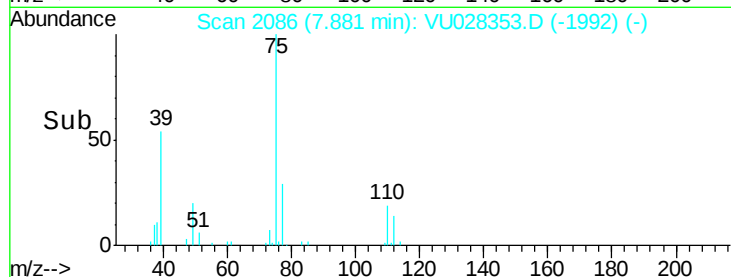
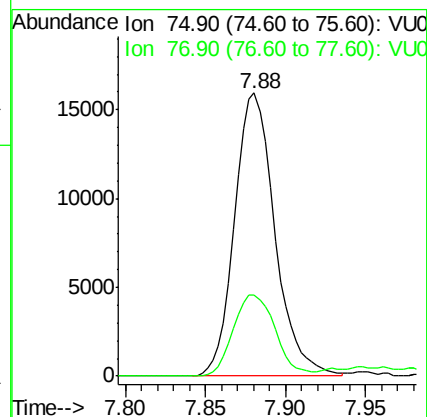
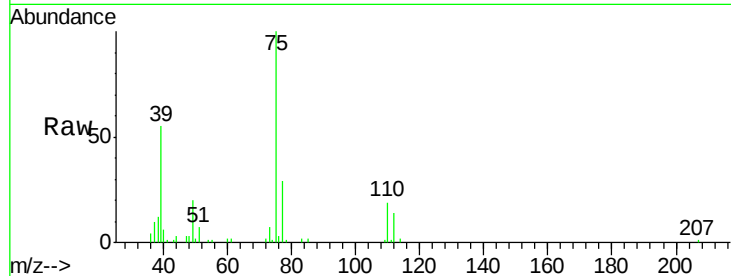
77 28.5 24.1 36.1

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 4.972 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

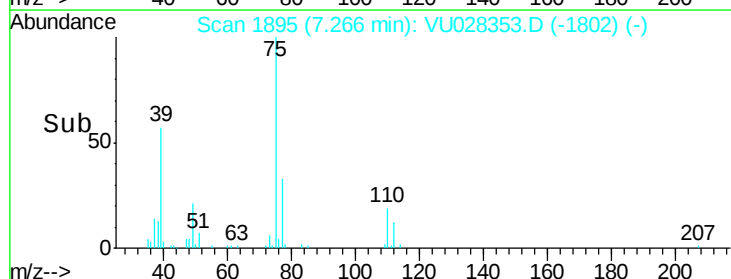
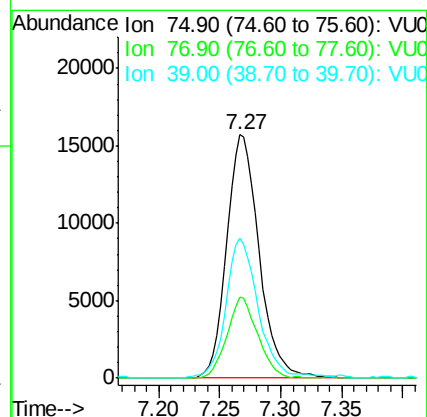
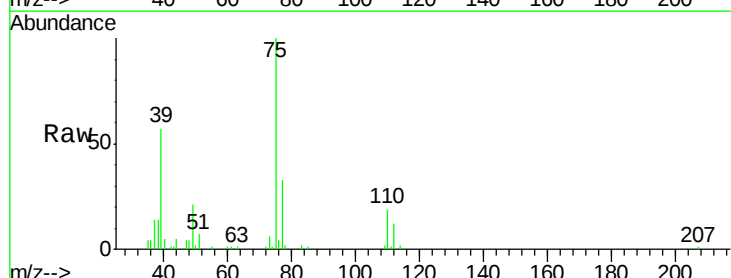
Tgt Ion: 75 Resp: 29350

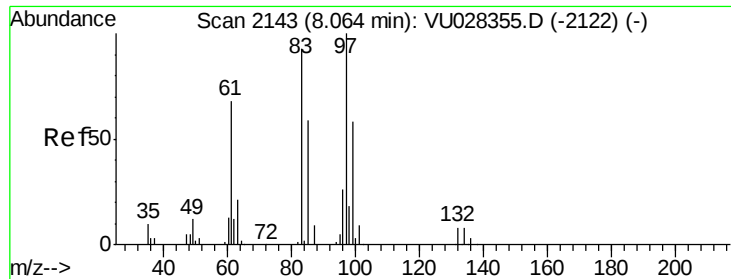
Ion Ratio Lower Upper

75 100

77 33.1 24.9 37.3

39 56.5 42.6 64.0





#55

1,1,2-Trichloroethane

Concen: 5.106 ug/l

RT: 8.07 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

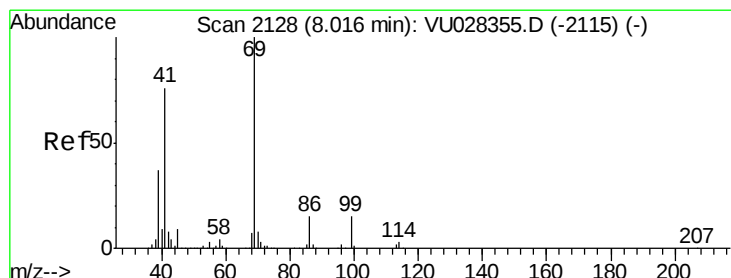
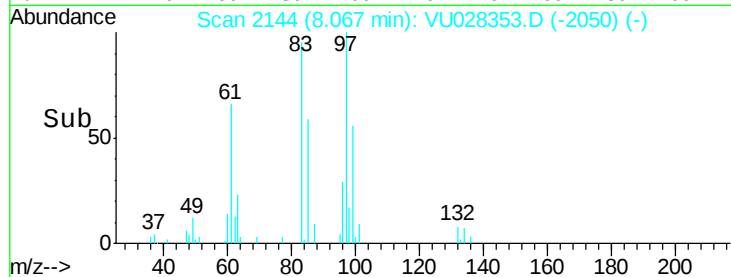
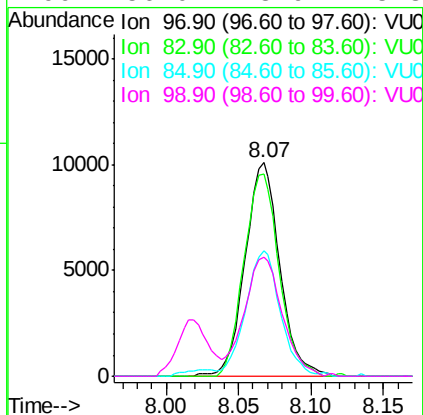
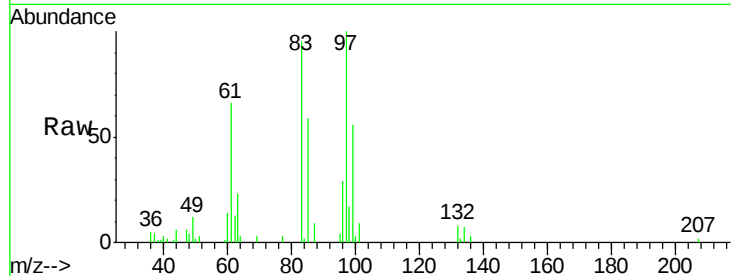
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	16854
Ion	Ratio	Lower	Upper
97	100		
83	94.8	74.3	111.5
85	59.0	47.2	70.8
99	56.0	48.9	73.3

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#56

Ethyl methacrylate

Concen: 4.645 ug/l

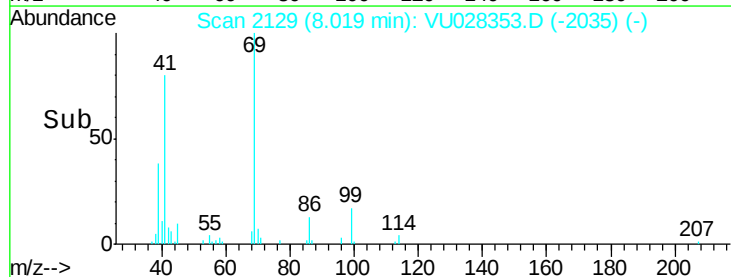
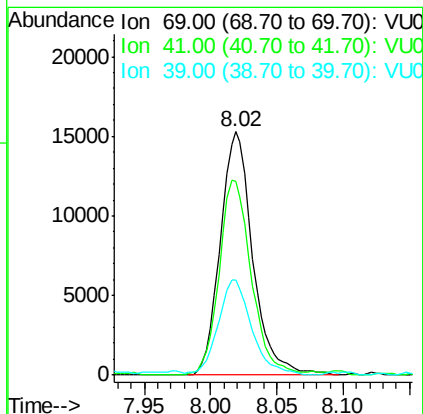
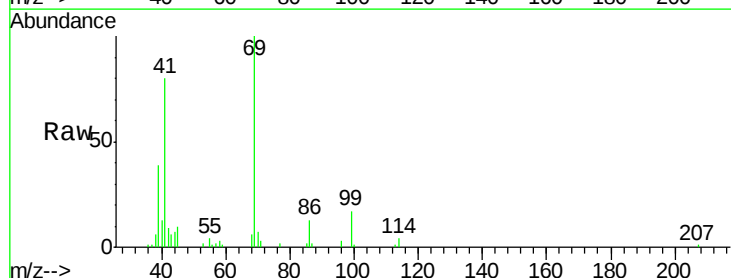
RT: 8.02 min Scan# 2129

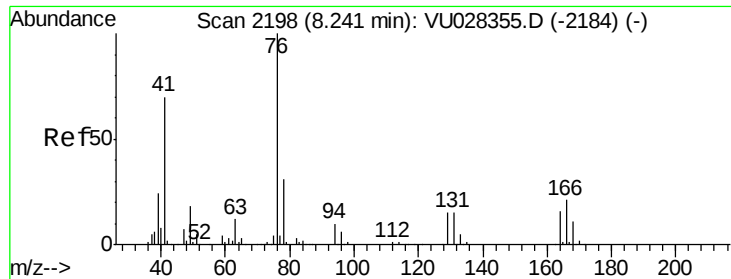
Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Tgt Ion:	69	Resp:	26085
Ion	Ratio	Lower	Upper
69	100		
41	79.1	60.0	90.0
39	40.3	29.0	43.6





#57

1,3-Dichloropropane

Concen: 5.148 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 31159

Ion Ratio Lower Upper

76 100

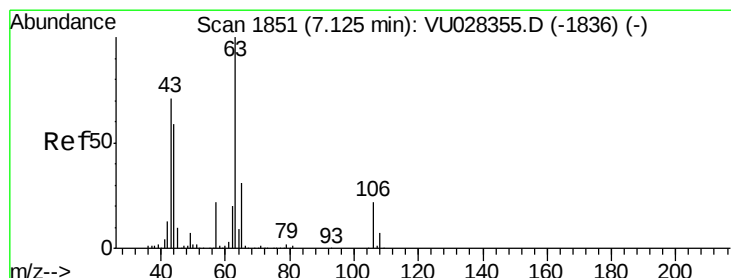
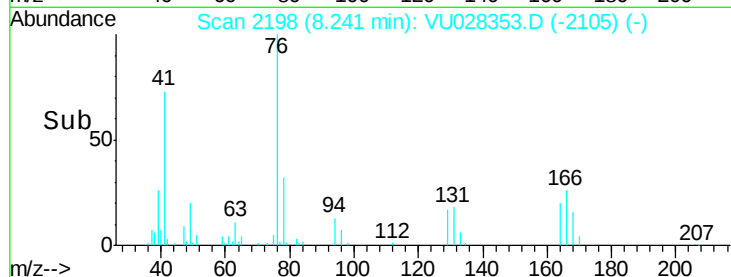
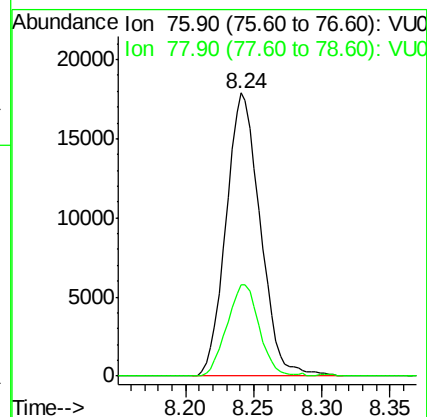
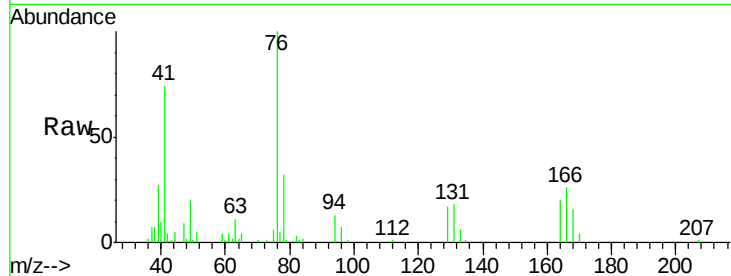
78 30.6 25.4 38.0

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#58

2-Chloroethyl Vinyl ether

Concen: 23.026 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU028353.D

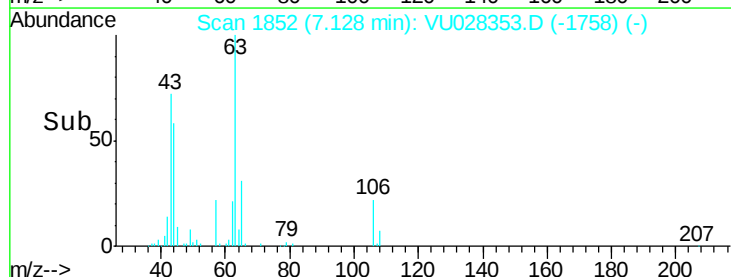
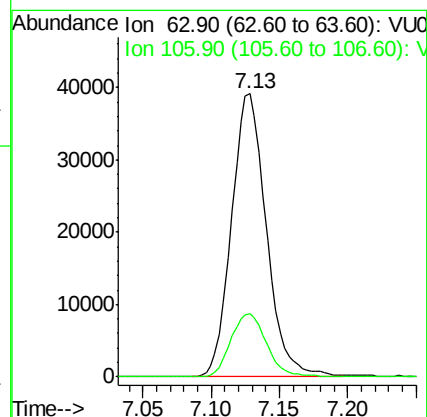
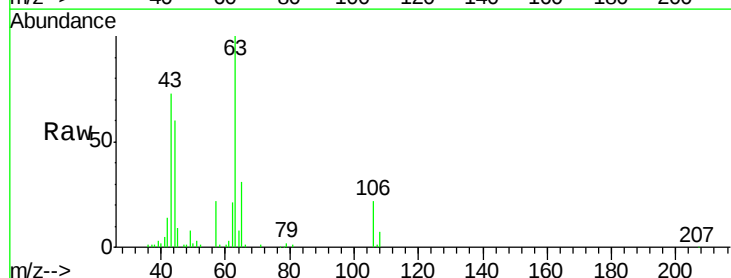
Acq: 28 Nov 2018 09:35

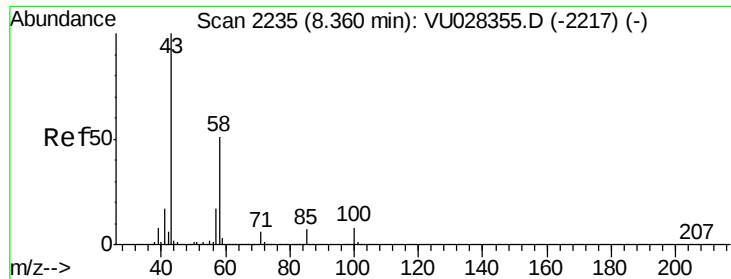
Tgt Ion: 63 Resp: 69418

Ion Ratio Lower Upper

63 100

106 22.9 17.3 25.9





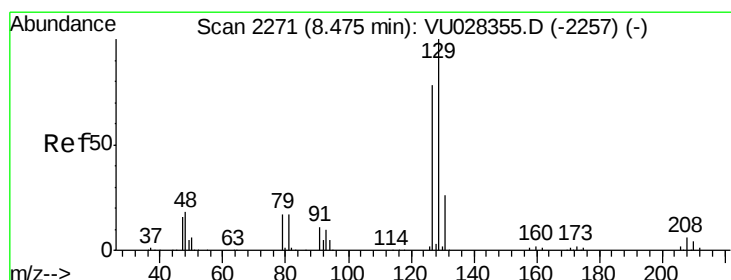
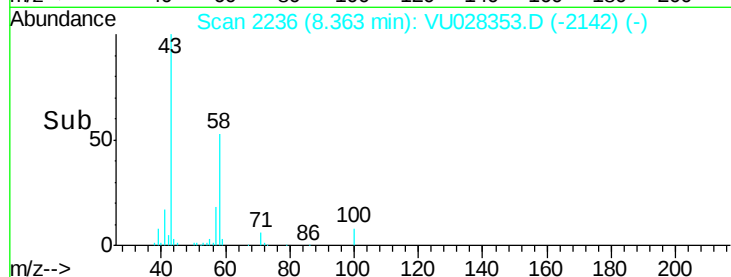
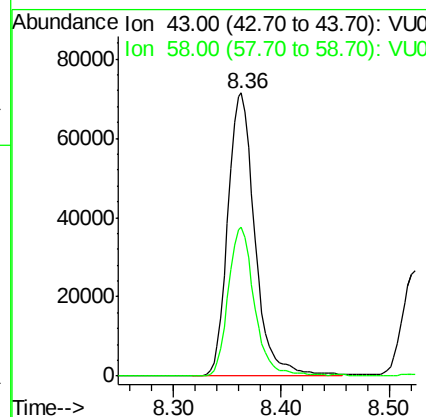
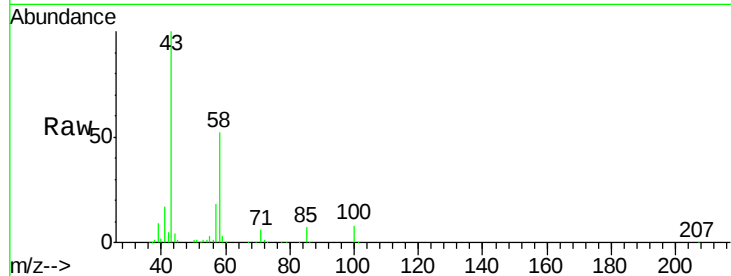
#59
2-Hexanone
Concen: 25.034 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	124373
Ion Ratio	43	100	
Lower	58	51.1	25.5
Upper			76.5

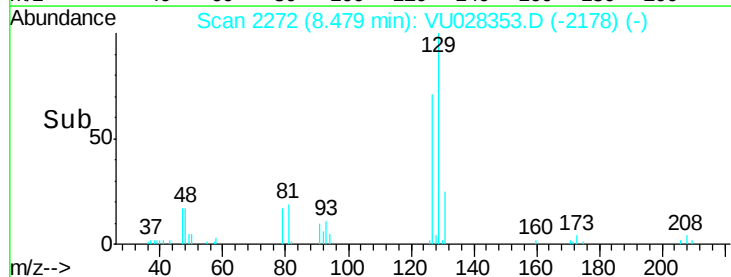
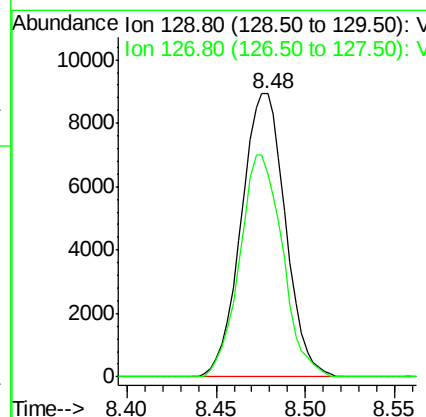
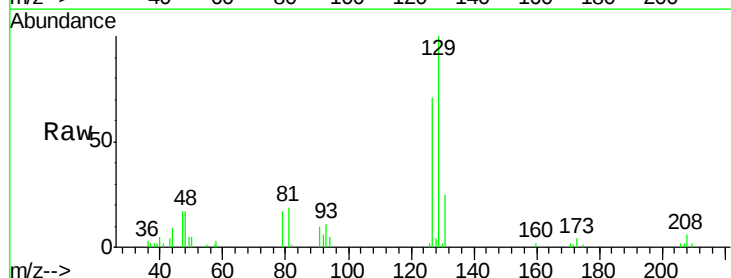
Manual Integrations
APPROVED

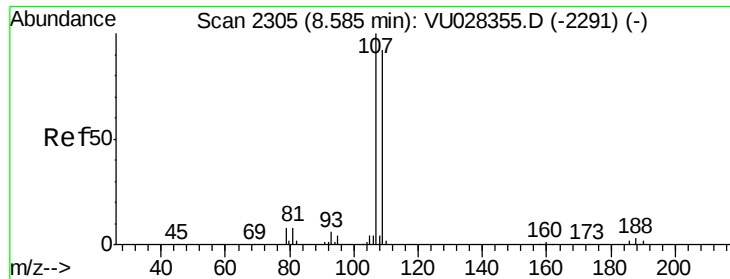
MMDadoda
11/29/2018 1:22:43 PM



#60
Dibromochloromethane
Concen: 4.920 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion	129	Resp	15446
Ion Ratio	129	100	
Lower	127	76.0	38.9
Upper			116.7





#61

1,2-Dibromoethane

Concen: 4.989 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 16867

Ion Ratio Lower Upper

107 100

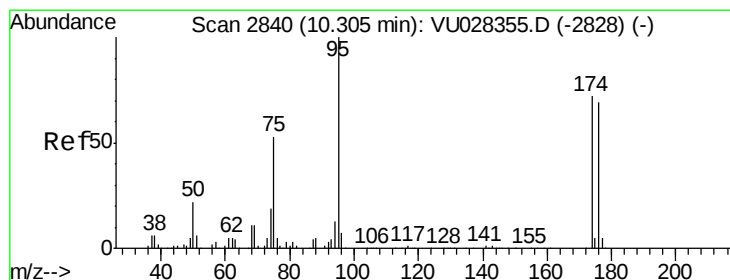
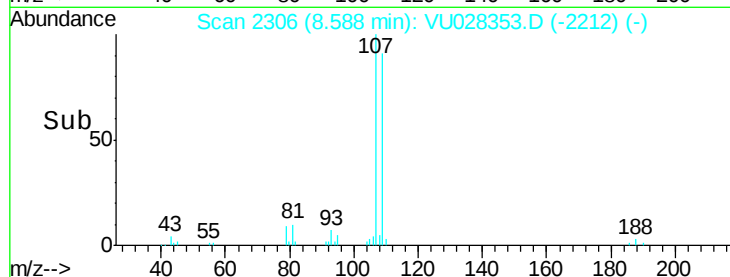
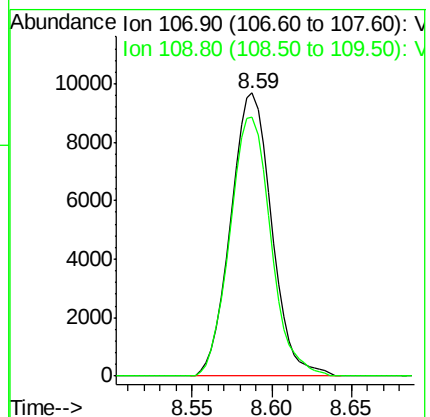
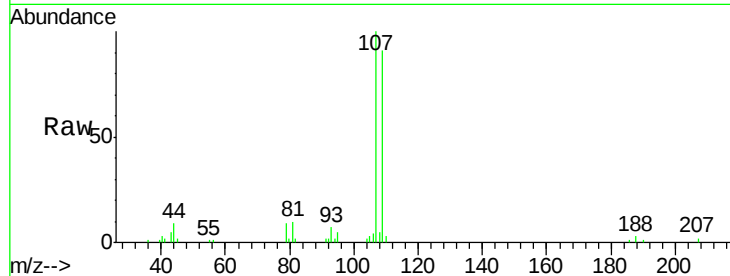
109 91.6 73.2 109.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 4.655 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

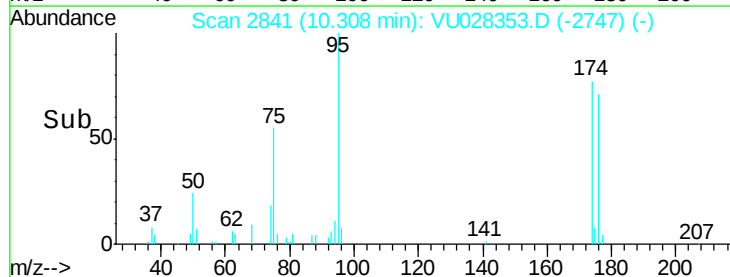
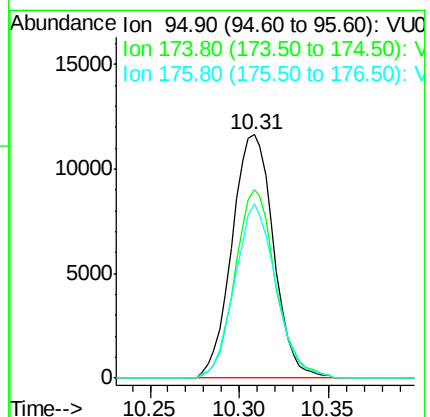
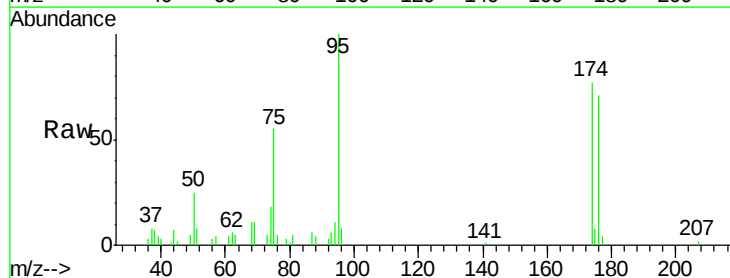
Tgt Ion: 95 Resp: 18960

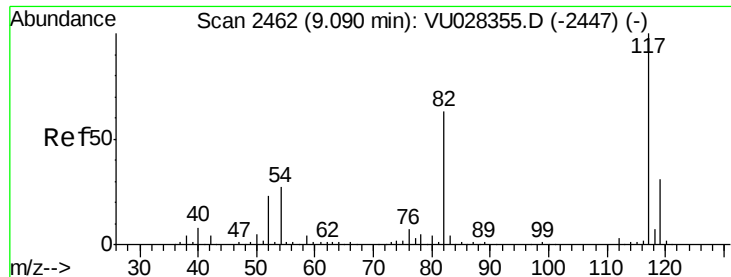
Ion Ratio Lower Upper

95 100

174 75.4 0.0 145.4

176 70.8 0.0 140.8





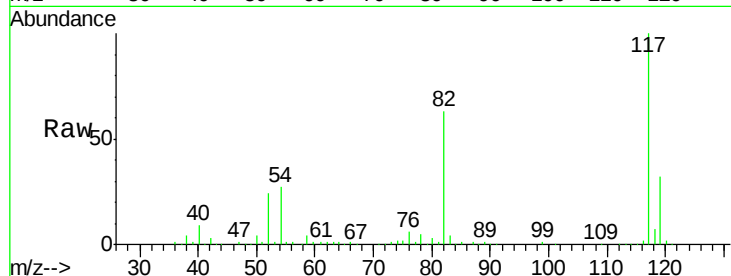
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.7	50.3	75.5
119	32.0	24.8	37.2

Manual Integrations
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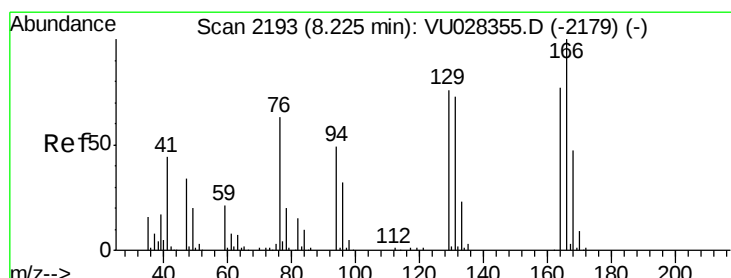
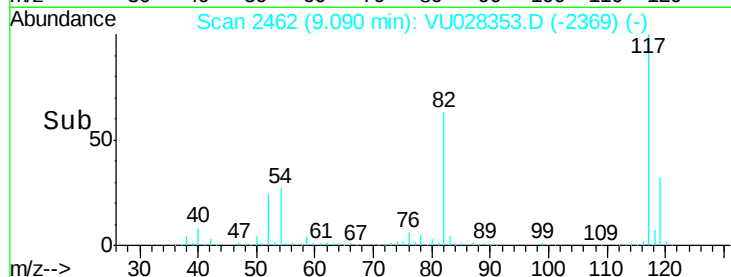
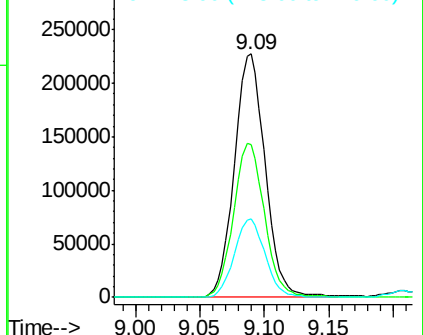


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.492 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.7	104.0	156.0
129	88.7	79.2	118.8
131	80.9	75.7	113.5

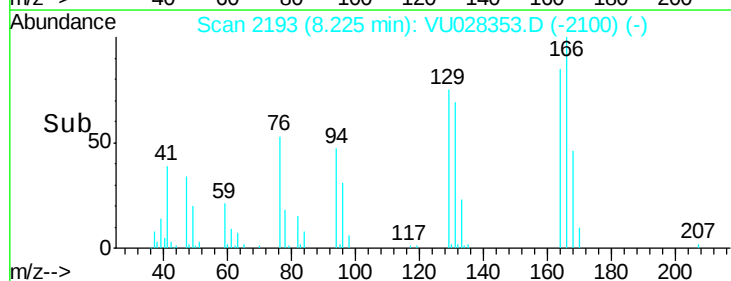
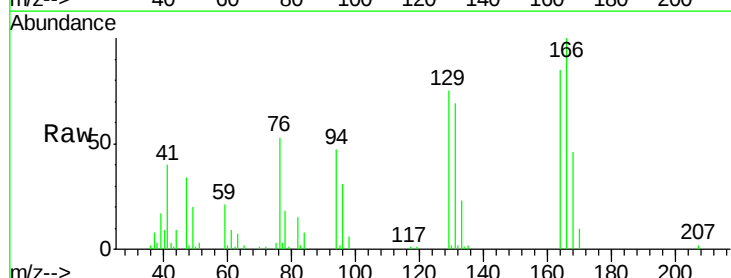
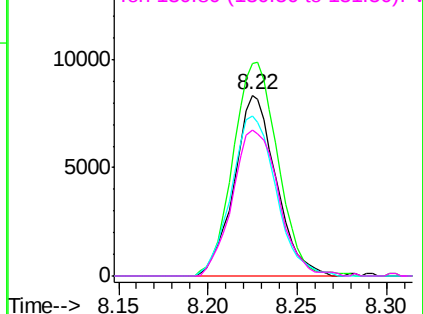
Abundance

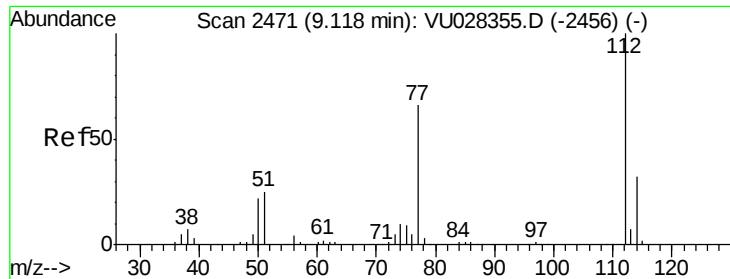
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





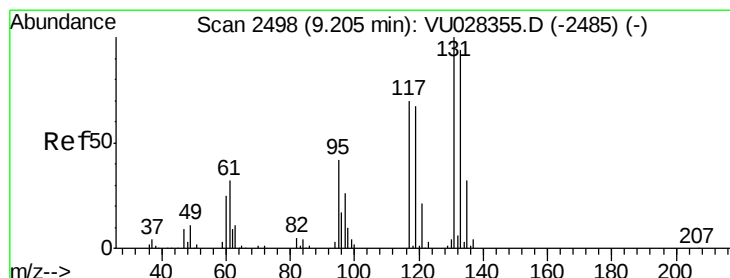
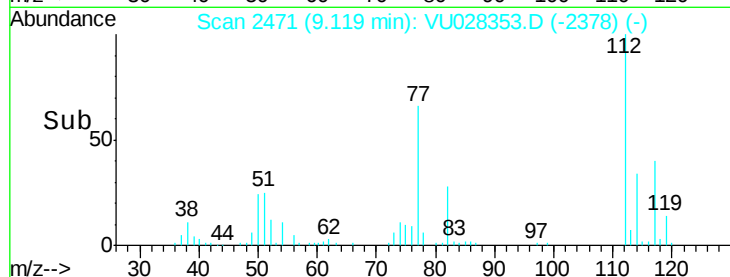
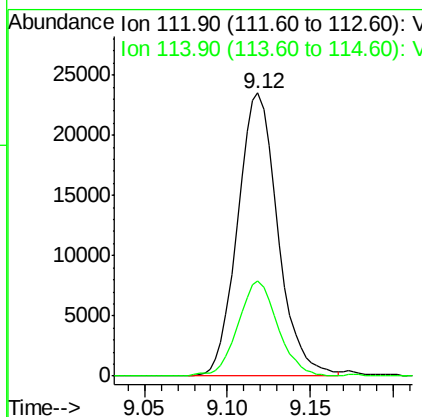
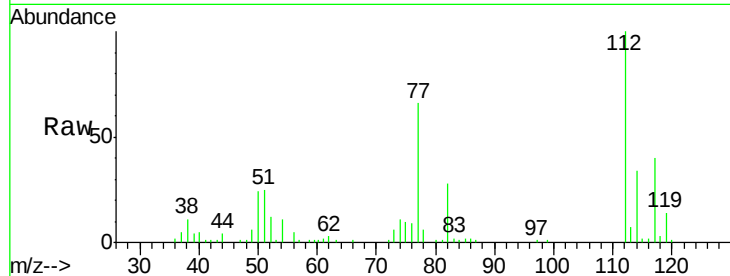
#65
Chlorobenzene
Concen: 5.047 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 39694
Ion Ratio Lower Upper
112 100
114 33.7 25.7 38.5

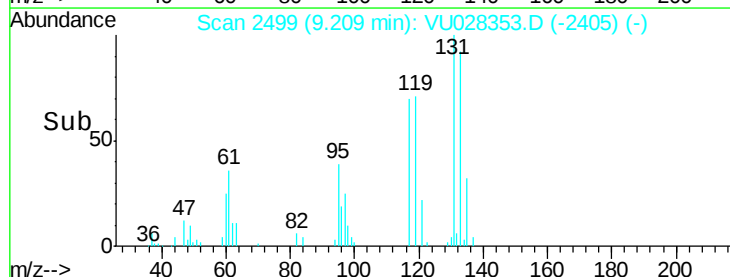
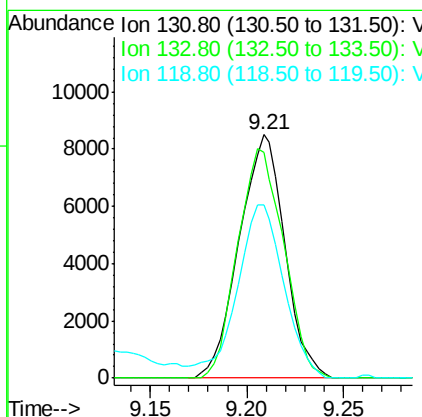
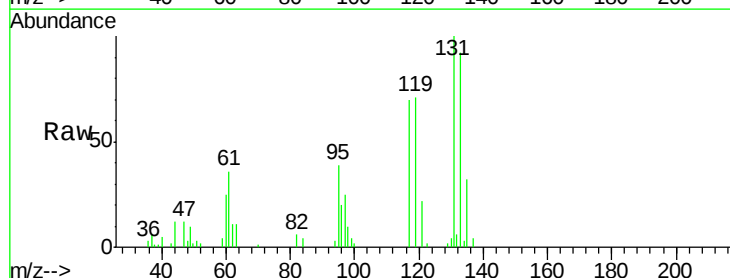
Manual Integrations
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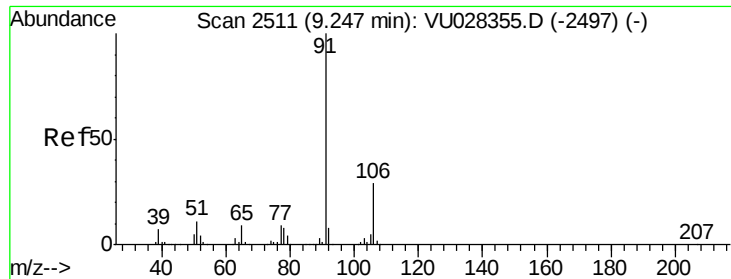
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.164 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion:131 Resp: 13920
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.8
119 73.2 34.1 102.2





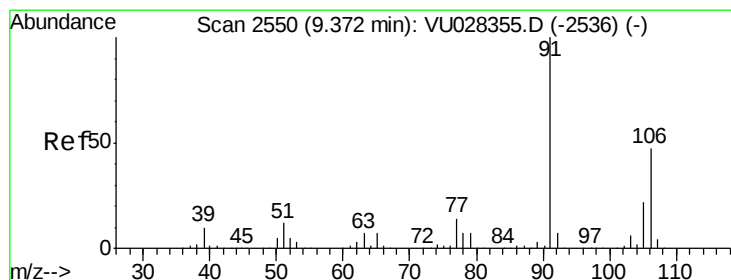
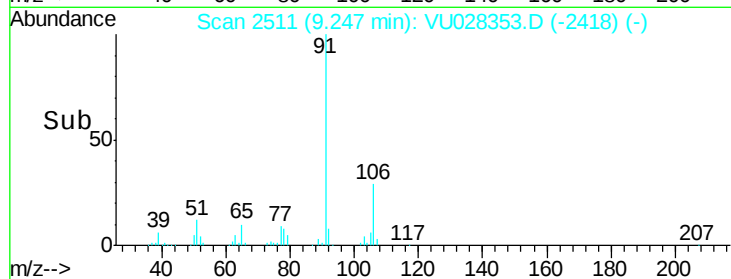
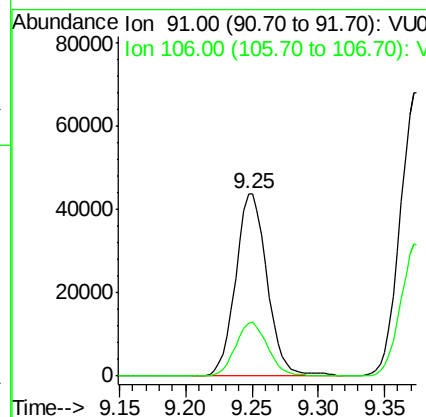
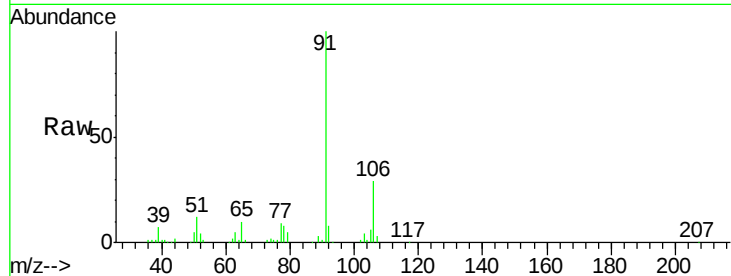
#67
Ethyl Benzene
Concen: 4.899 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 72564
Ion Ratio Lower Upper
91 100
106 29.4 23.3 34.9

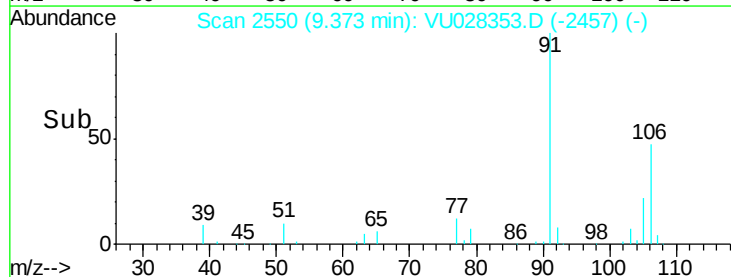
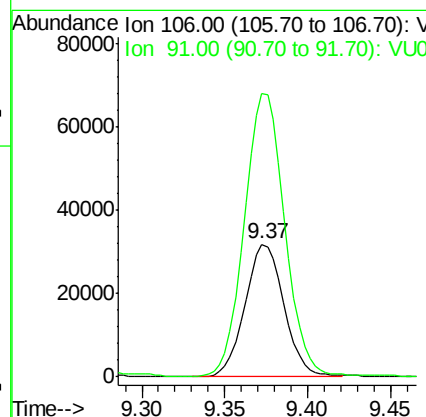
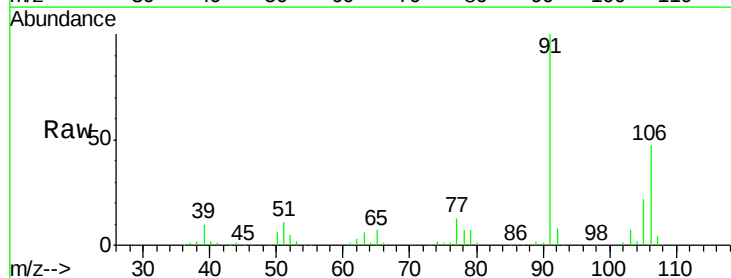
Manual Integrations
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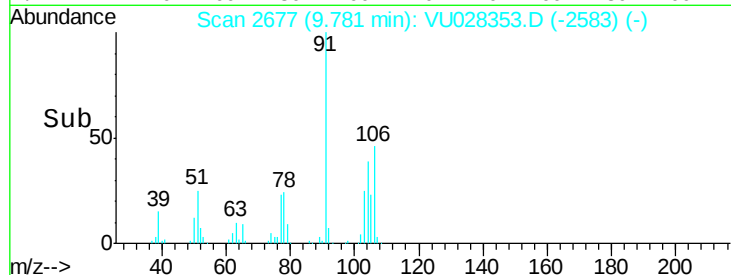
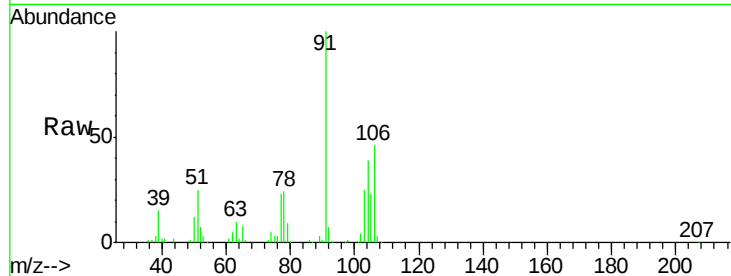
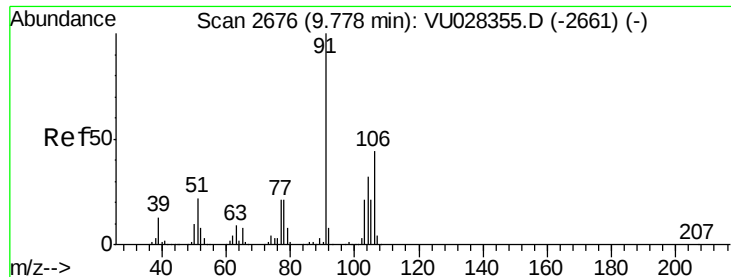
MMDadoda
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#68
m/p-Xylenes
Concen: 9.798 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion: 106 Resp: 52238
Ion Ratio Lower Upper
106 100
91 219.3 171.0 256.6





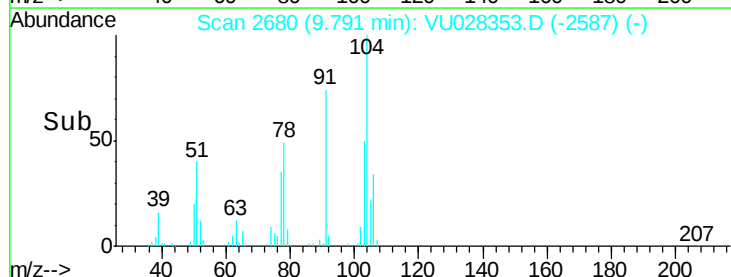
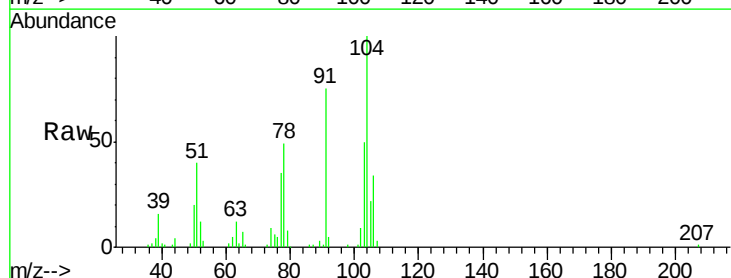
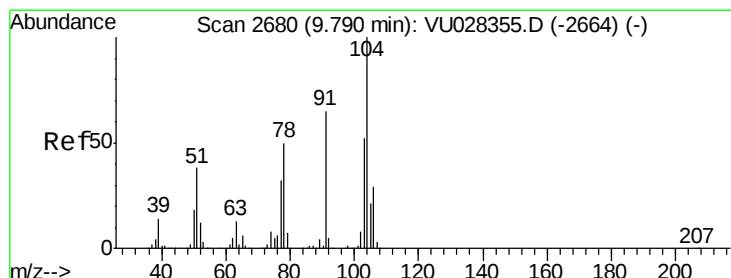
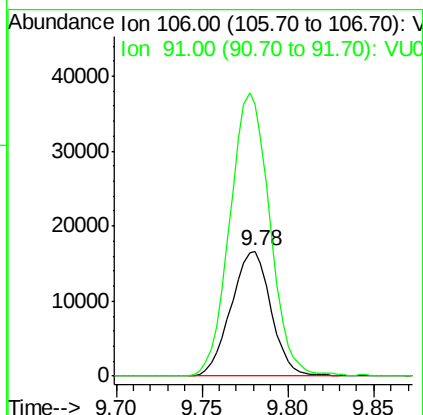
#69
o-Xylene
Concen: 5.053 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tot Ion:106 Resp: 26781
Ion Ratio Lower Upper
106 100
91 226.8 112.7 338.0

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

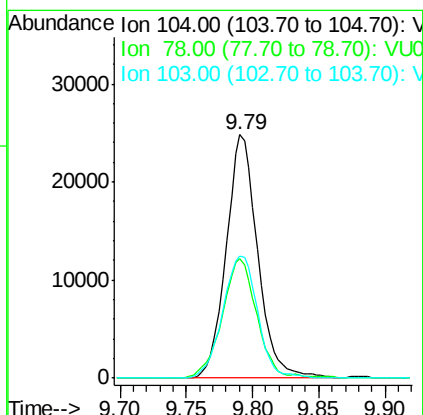
Manual Integrations
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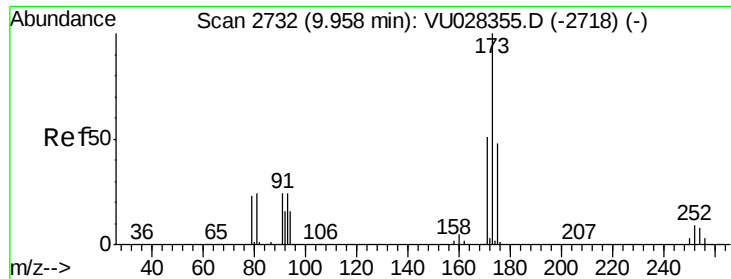
MMDadoda
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#70
Styrene
Concen: 4.795 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion:104 Resp: 40989
Ion Ratio Lower Upper
104 100
78 54.0 43.3 64.9
103 55.5 44.8 67.2





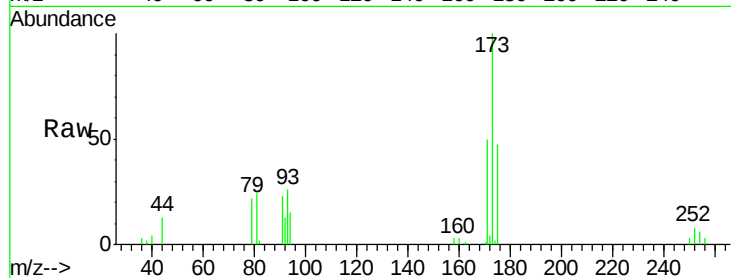
#71
Bromoform
Concen: 5.008 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

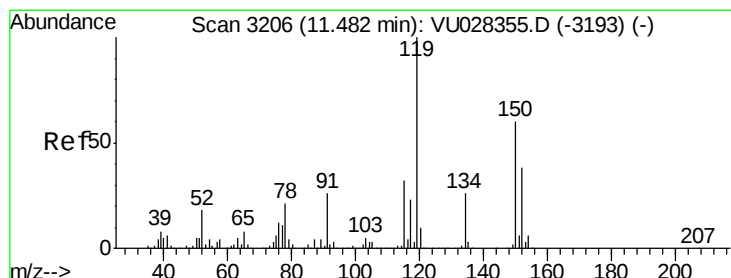
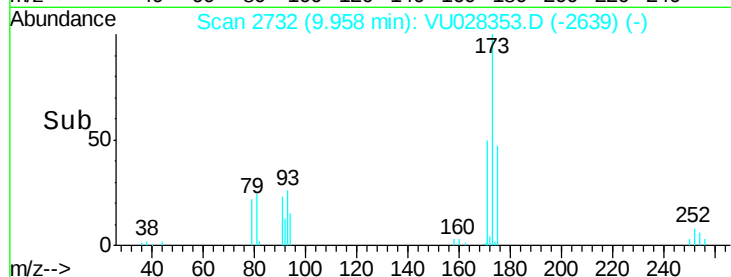
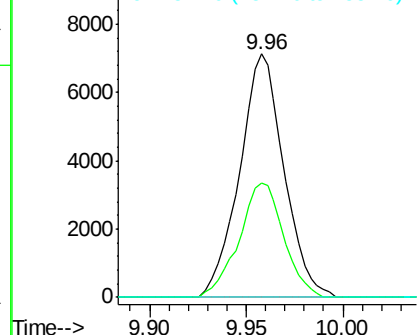
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
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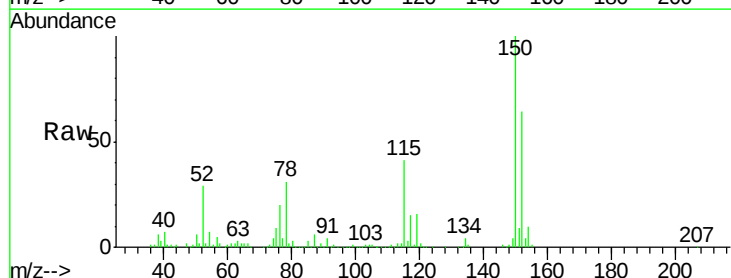


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

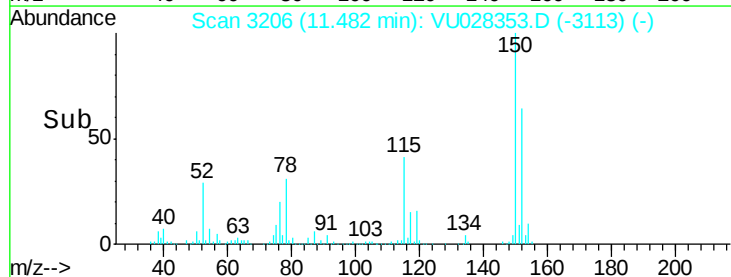
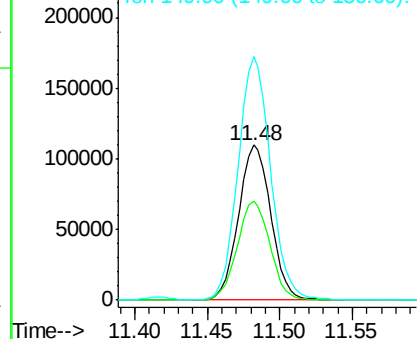


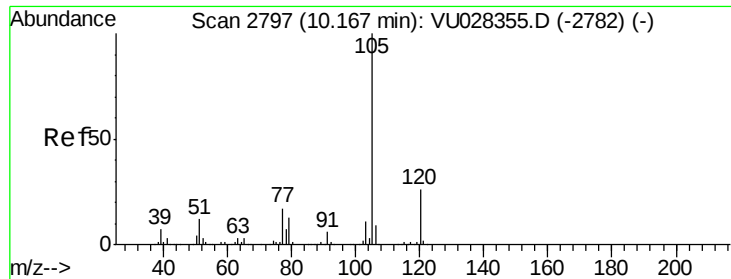
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.4	45.0	134.8
150	157.4	0.0	349.2



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





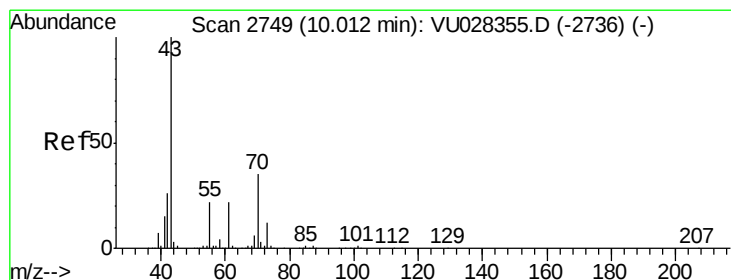
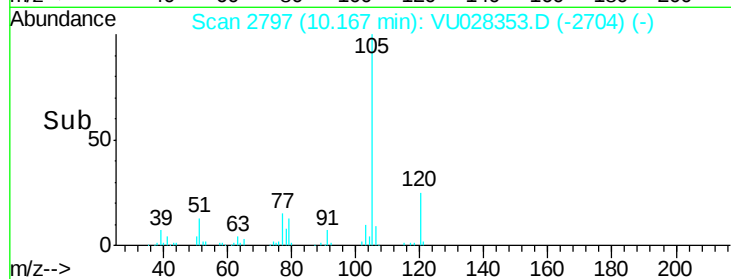
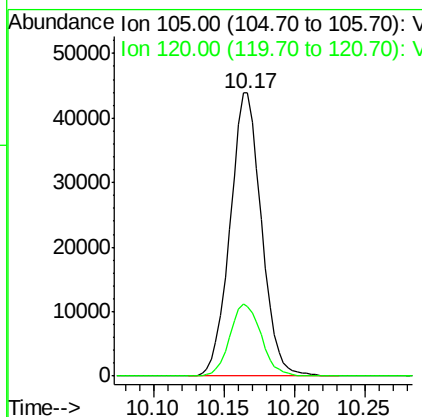
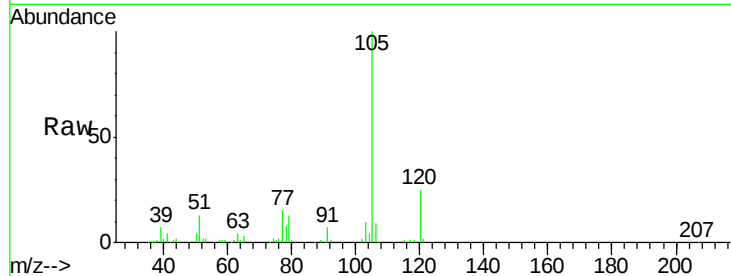
#73
Isopropylbenzene
Concen: 5.182 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.3

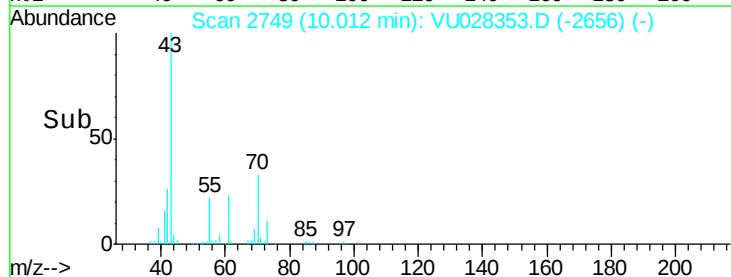
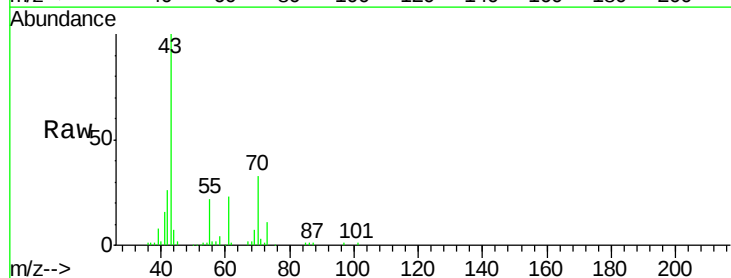
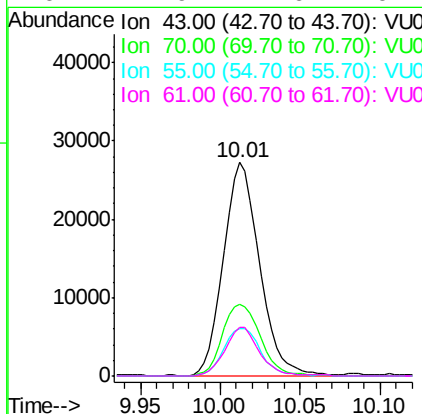
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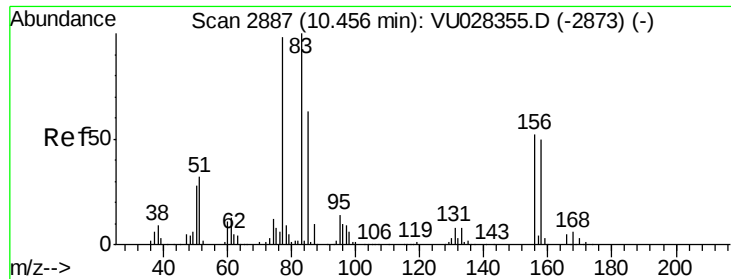
MMDadoda
11/29/2018 1:22:43 PM



#74
N-ethyl acetate
Concen: 5.115 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.1	28.4	42.6
55	22.6	18.0	27.0
61	21.9	17.6	26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.524 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

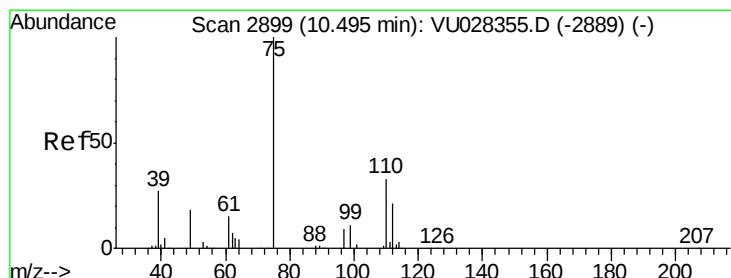
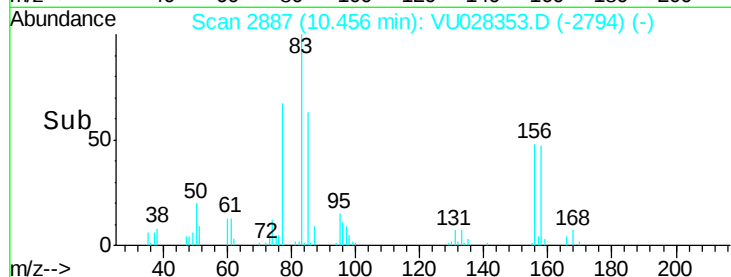
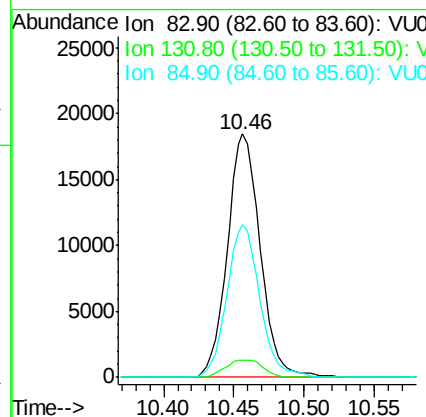
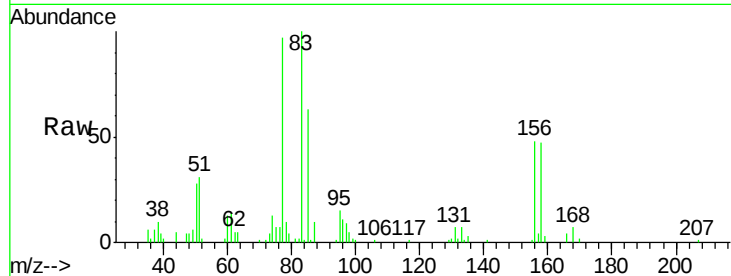
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	29984
Ion Ratio	Lower	Upper	
83	100		
131	8.0	4.0	12.2
85	62.6	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 5.882 ug/l m

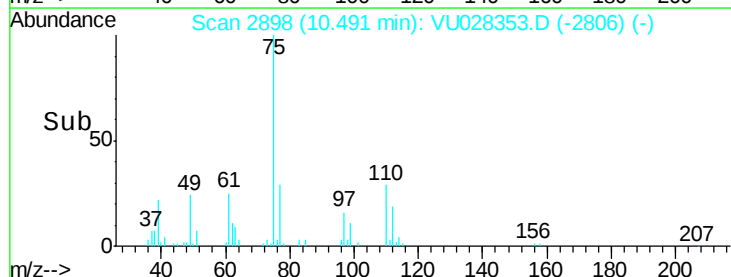
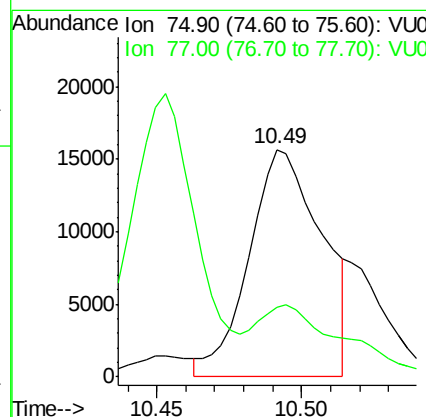
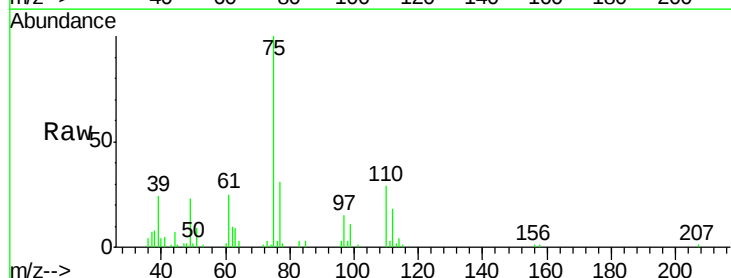
RT: 10.49 min Scan# 2898

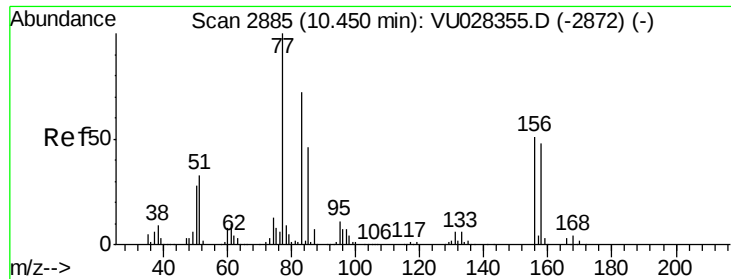
Delta R.T. -0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Tgt Ion:	75	Resp:	27332
Ion Ratio	Lower	Upper	
75	100		
77	39.2	22.4	67.0





#77

Bromobenzene

Concen: 5.089 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

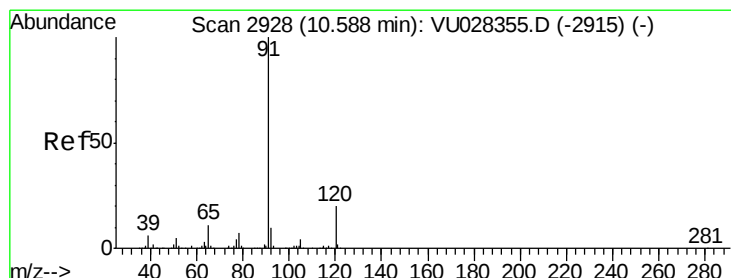
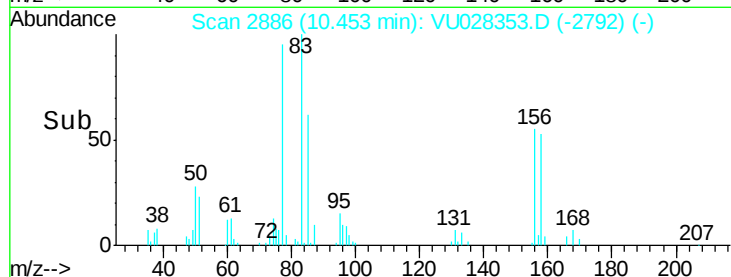
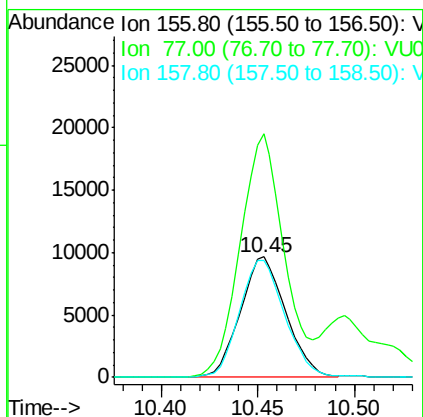
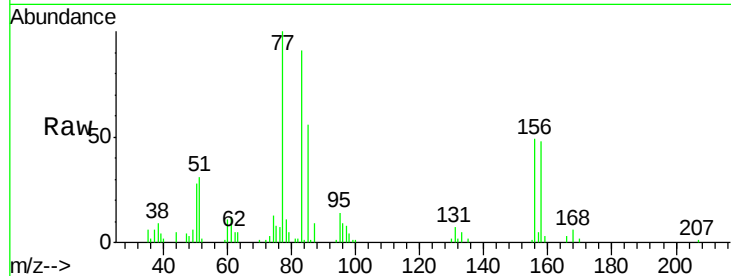
ClientSampleId :

VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	195.4		97.0	290.9	
158	96.6		46.8	140.4	

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#78

n-propylbenzene

Concen: 5.001 ug/l

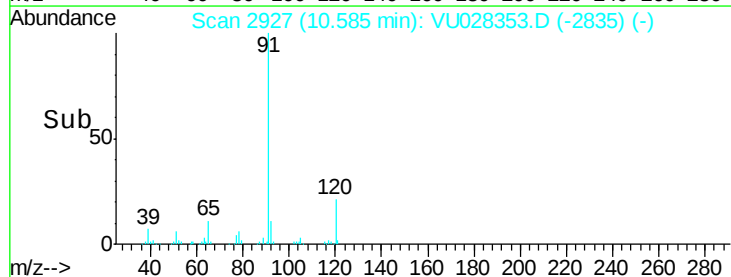
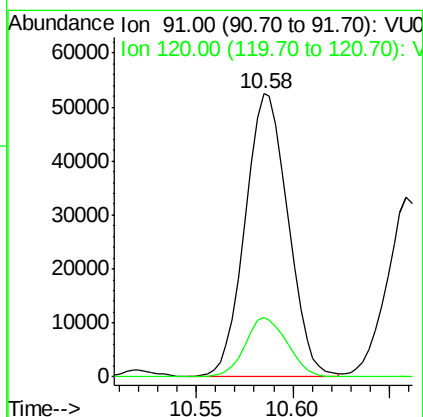
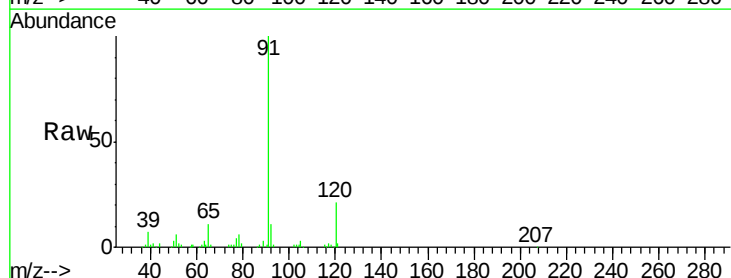
RT: 10.58 min Scan# 2927

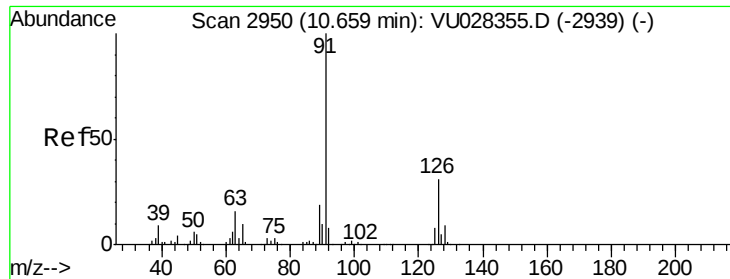
Delta R.T. -0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	20.6		10.3	30.8	





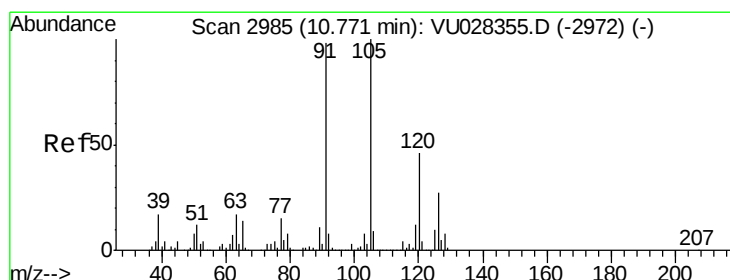
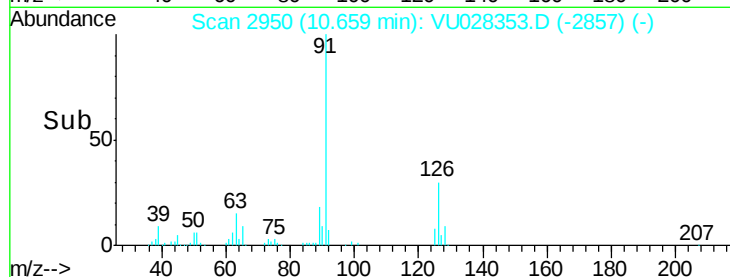
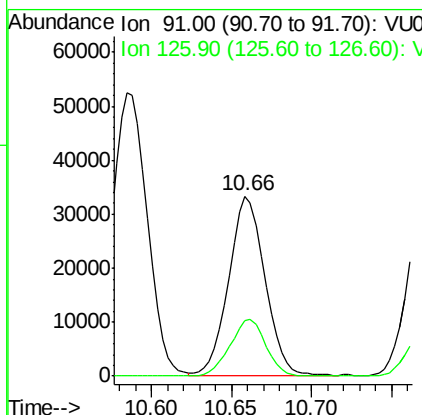
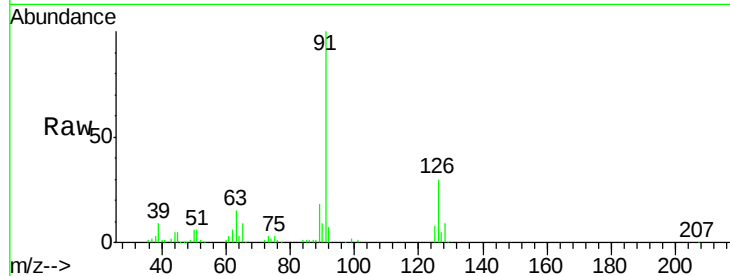
#79
 2-Chlorotoluene
 Concen: 5.308 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 50947
 Ion Ratio Lower Upper
 91 100
 126 31.2 15.4 46.1

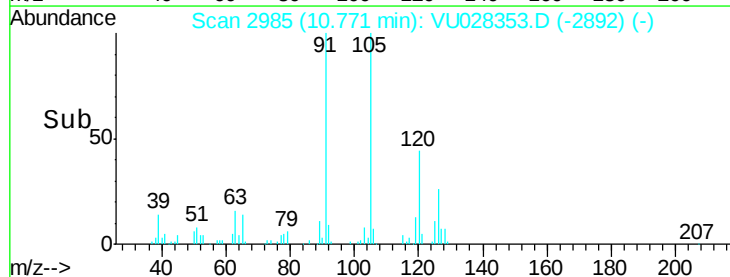
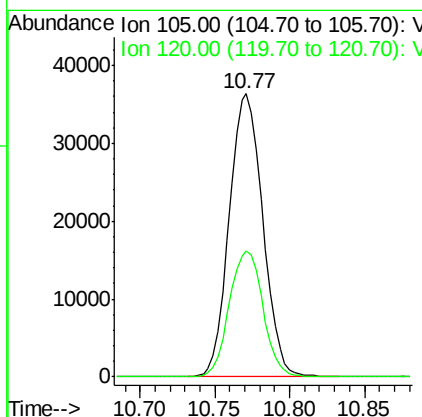
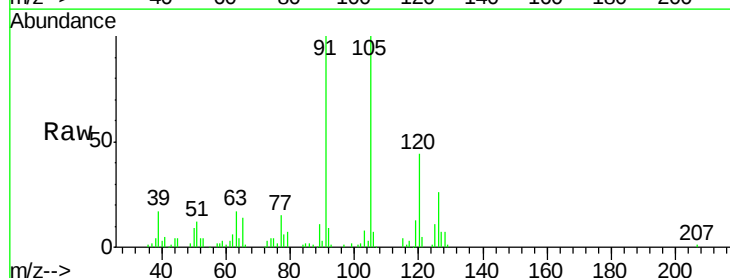
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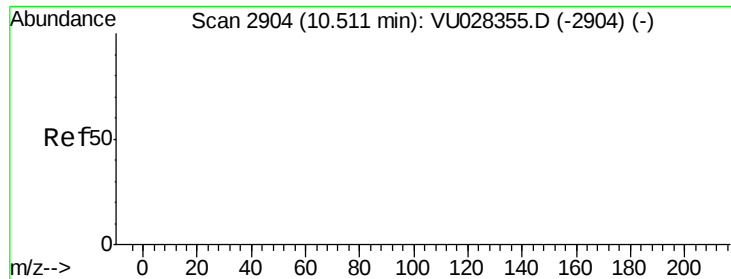
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 11/29/2018 1:22:43 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 5.107 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Tgt Ion: 105 Resp: 56806
 Ion Ratio Lower Upper
 105 100
 120 44.4 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 3.357 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.01 min

Lab File: VU028353.D

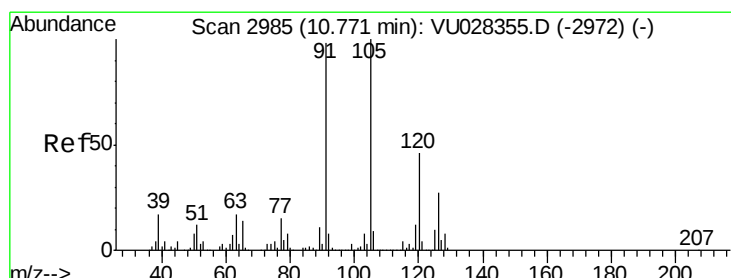
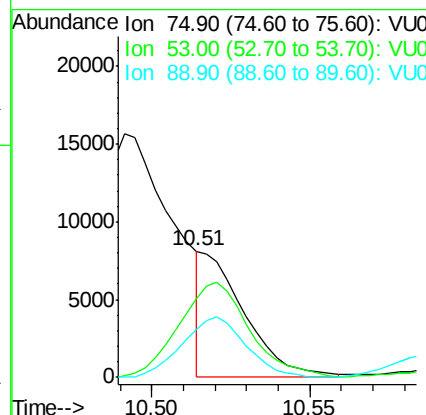
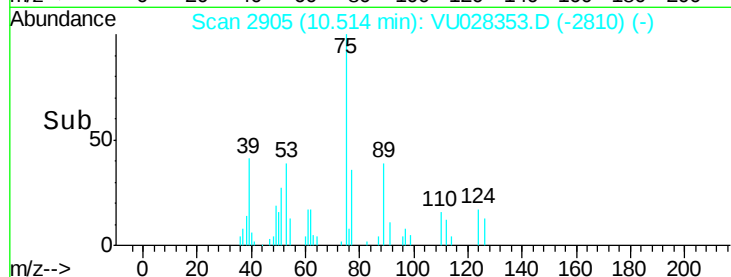
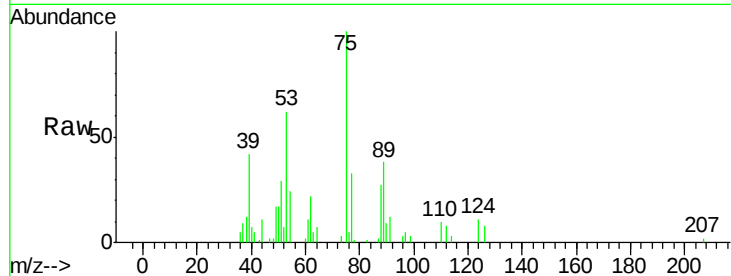
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

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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#82

4-Chlorotoluene

Concen: 5.059 ug/l

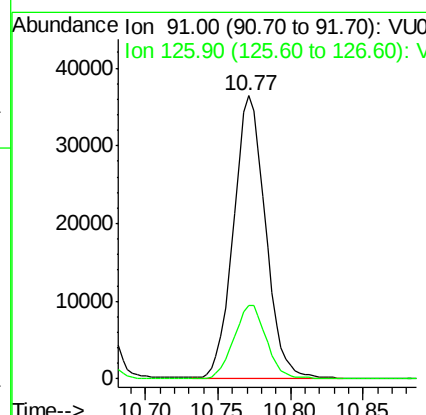
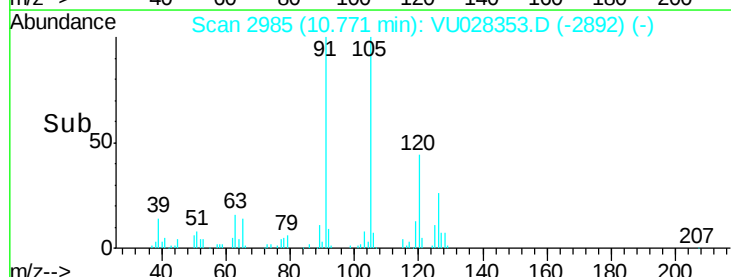
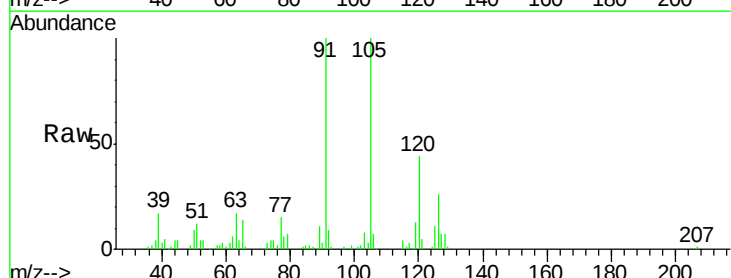
RT: 10.77 min Scan# 2985

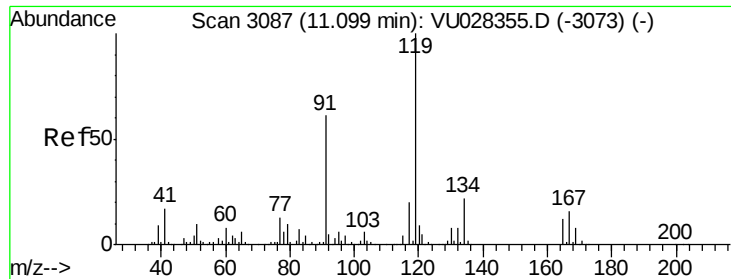
Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	26.3	13.9	41.6





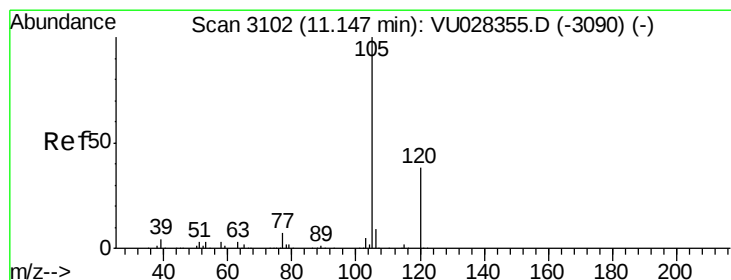
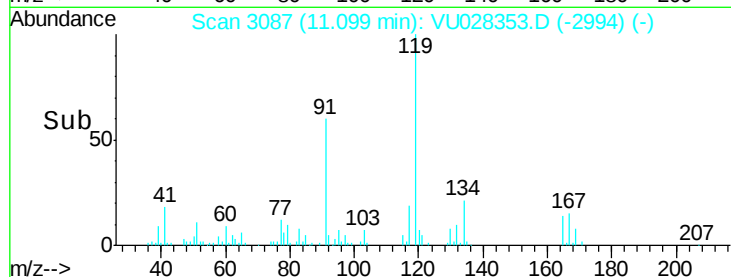
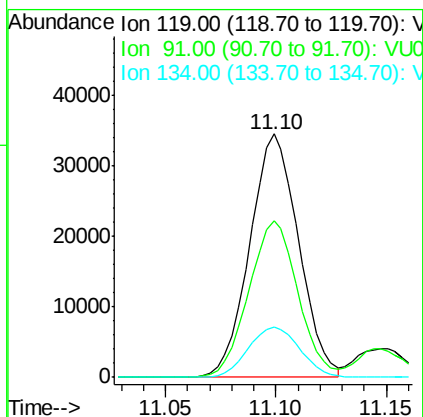
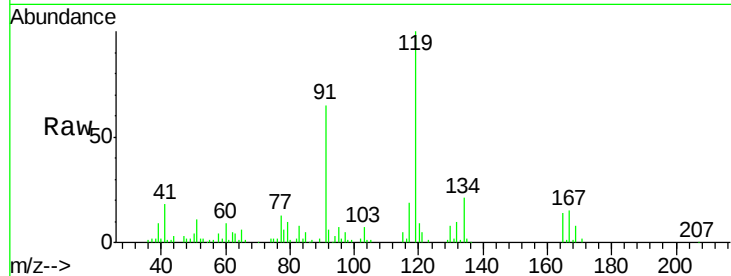
#83
tert-Butylbenzene
Concen: 5.113 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.7	30.8	92.4
134	21.8	11.1	33.1

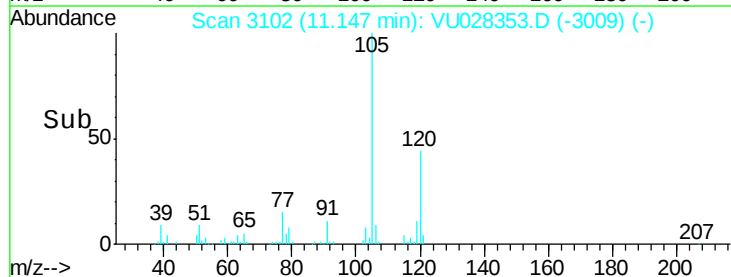
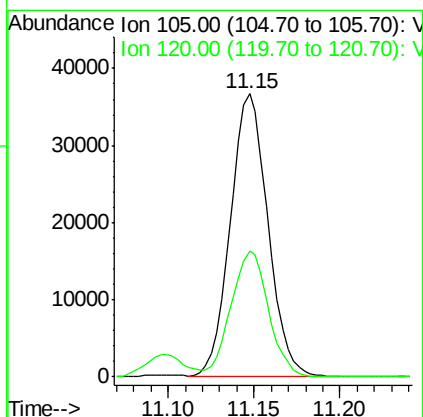
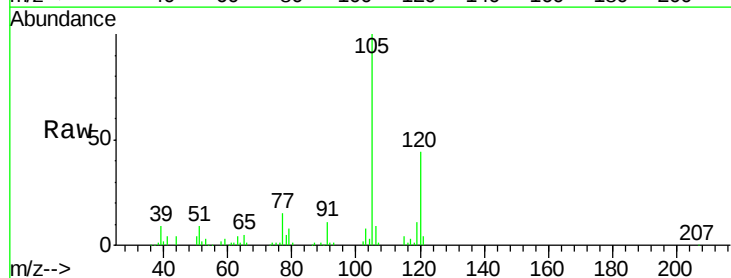
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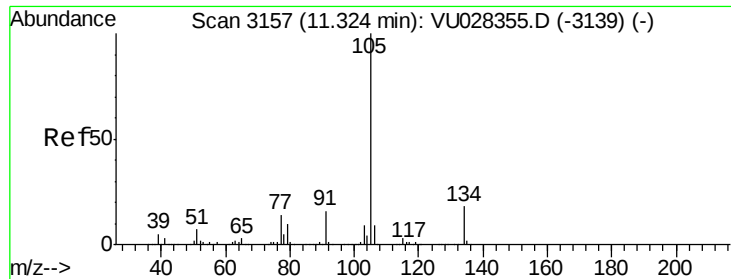
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#84
1,2,4-Trimethylbenzene
Concen: 4.942 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.4	64.3





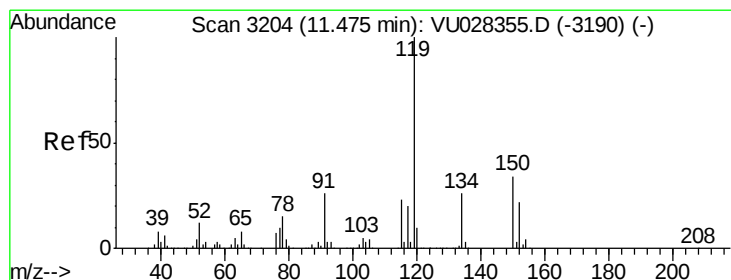
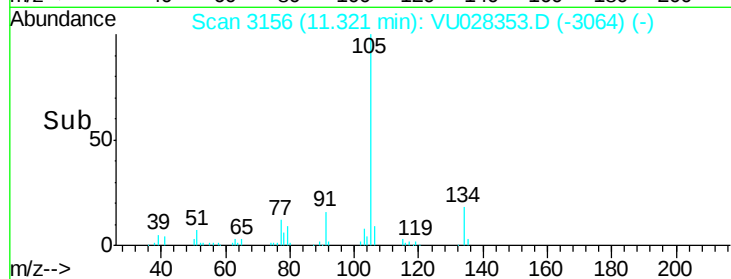
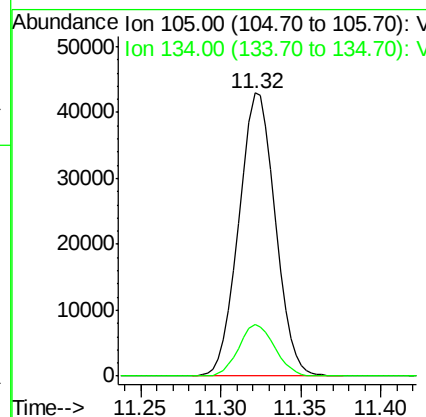
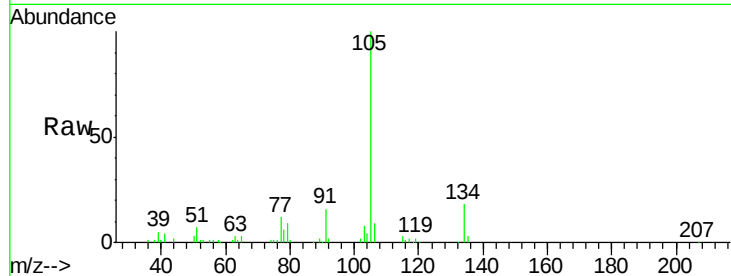
#85
 sec-Butylbenzene
 Concen: 4.948 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.1	9.3	27.7

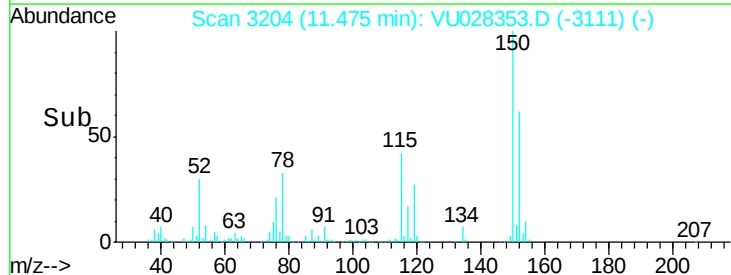
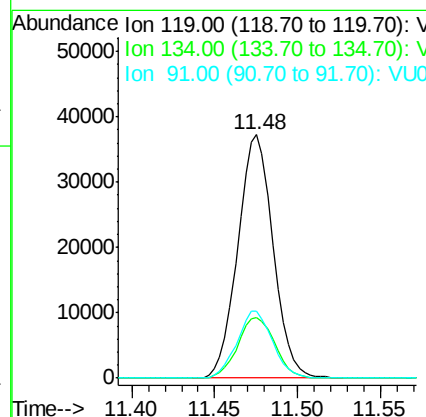
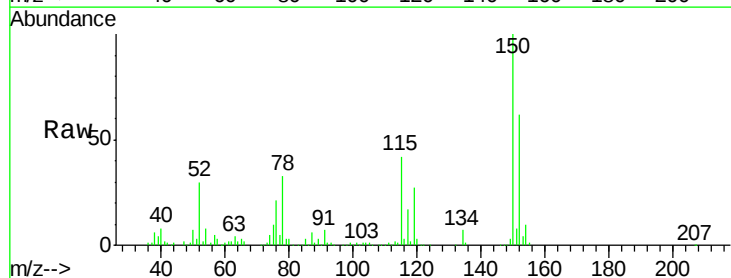
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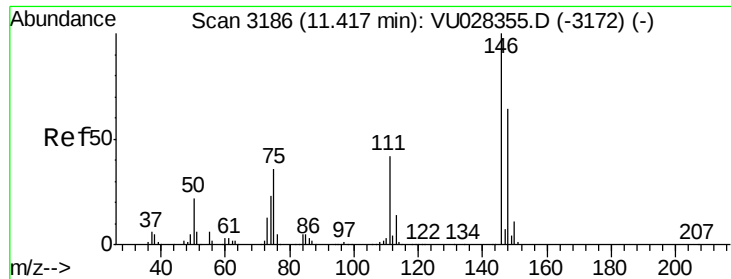
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#86
 p-Isopropyltoluene
 Concen: 4.976 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.8	38.3
91	27.7	13.1	39.1





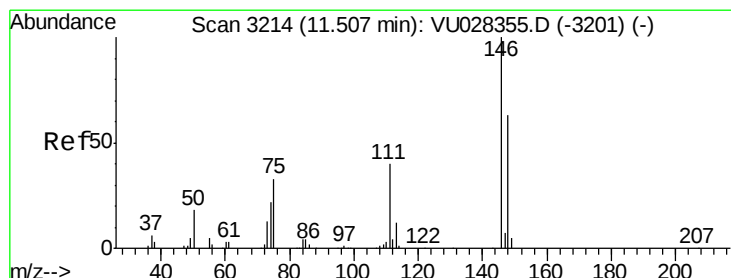
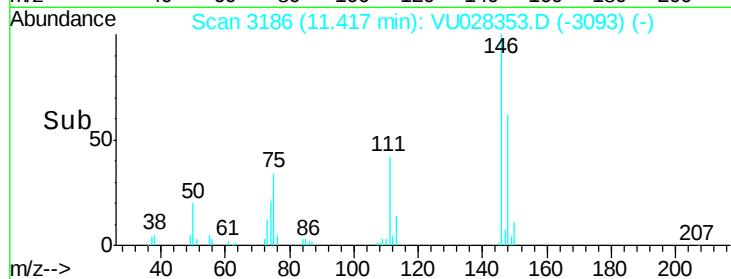
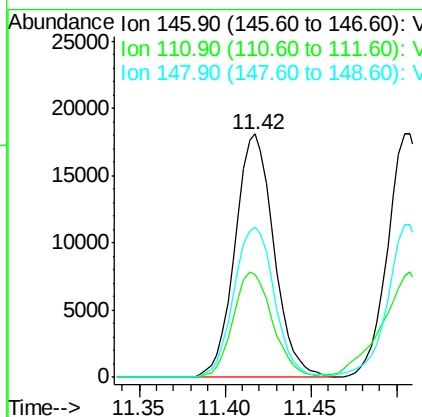
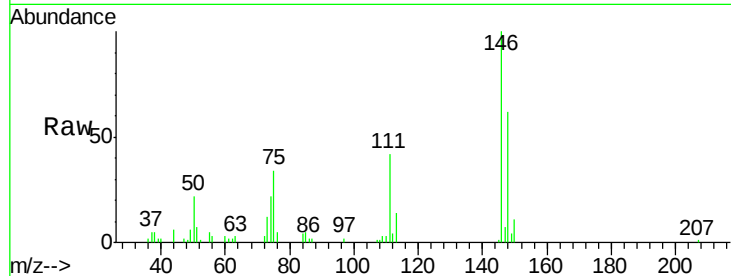
#87
 1,3-Dichlorobenzene
 Concen: 5.024 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	20.8	62.4
148	64.6	31.8	95.3

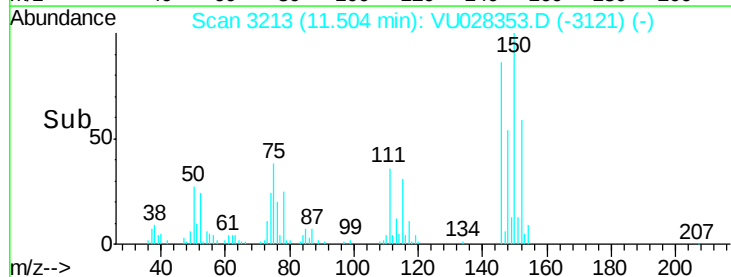
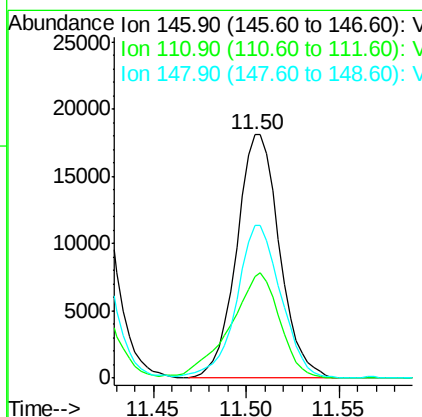
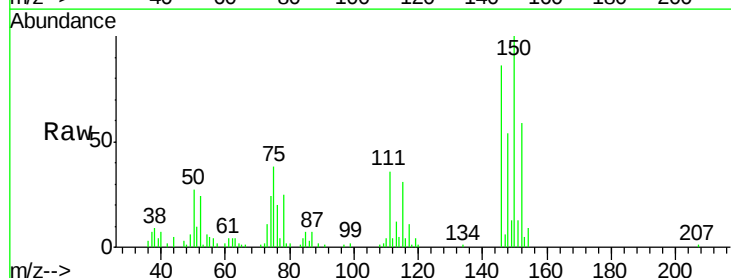
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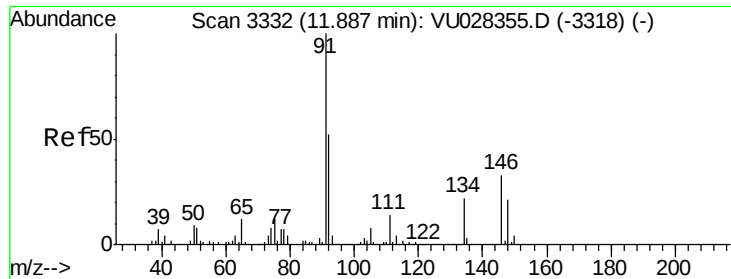
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 5.098 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.0	20.6	61.9
148	65.0	31.1	93.5





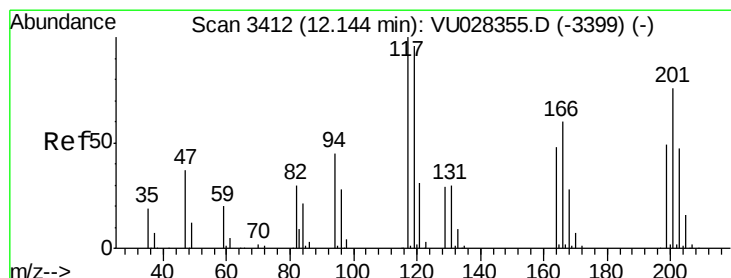
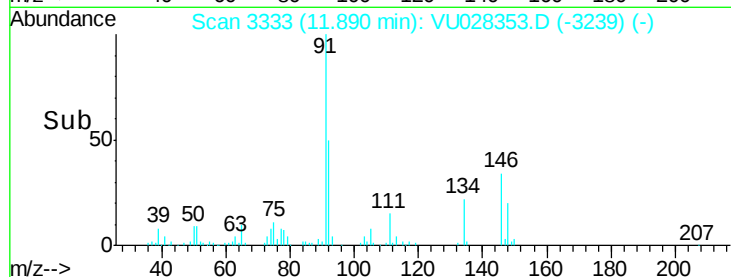
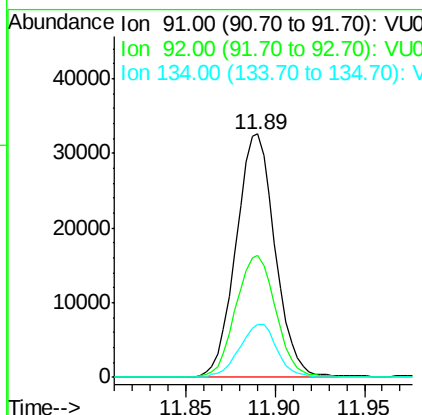
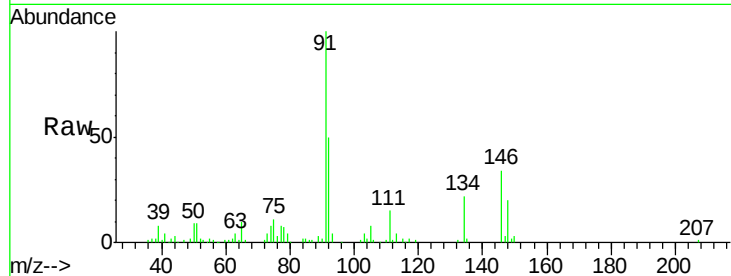
#89
n-Butylbenzene
Concen: 4.560 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.2	78.5
134	21.1	11.1	33.1

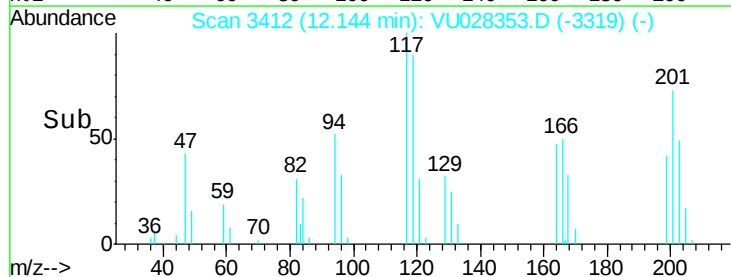
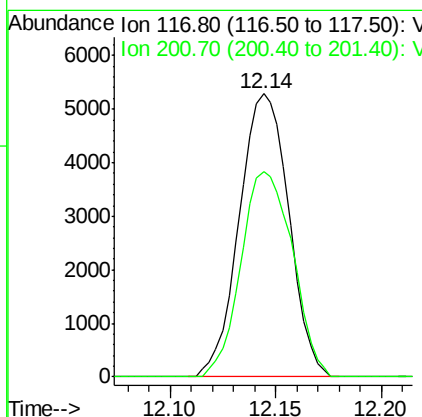
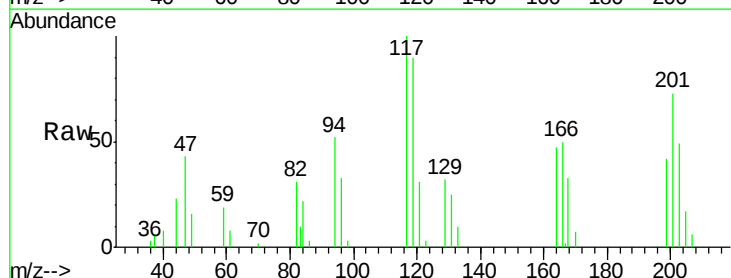
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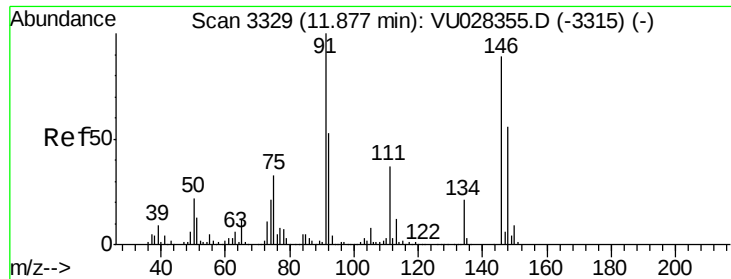
MMDadoda
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#90
Hexachloroethane
Concen: 4.988 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.5	37.7	113.1





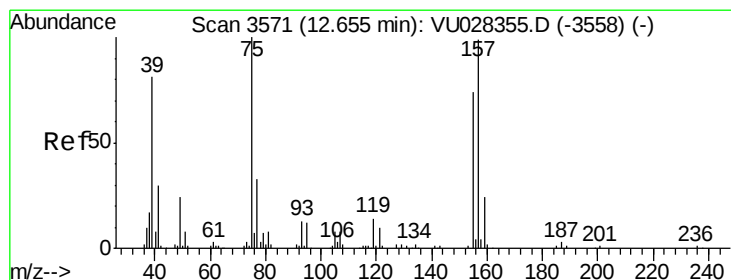
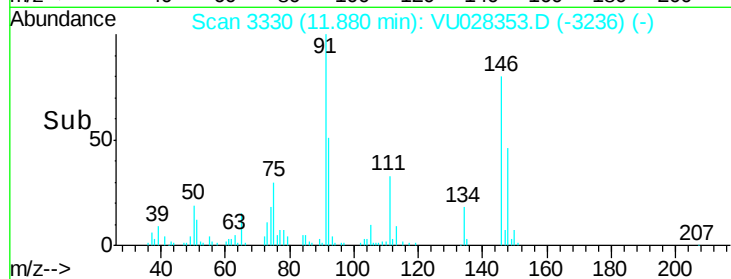
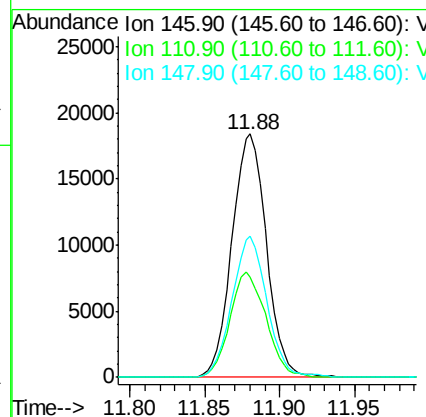
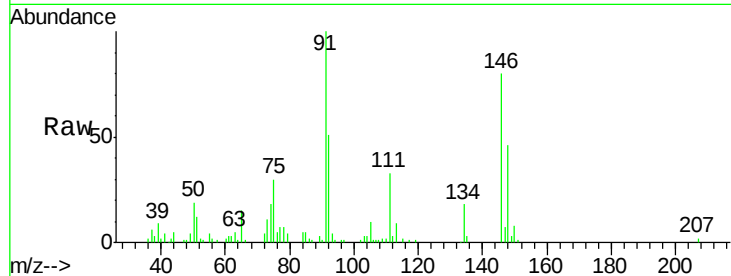
#91
 1,2-Dichlorobenzene
 Concen: 5.224 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	21.4	64.3
148	58.9	32.2	96.6

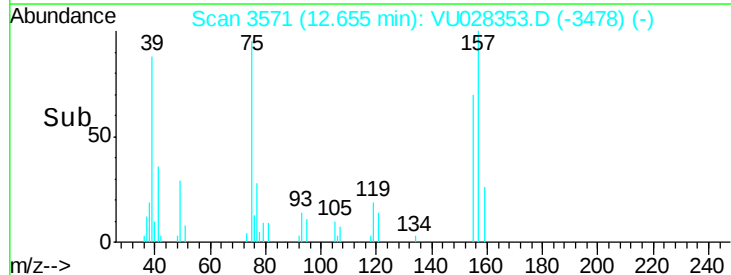
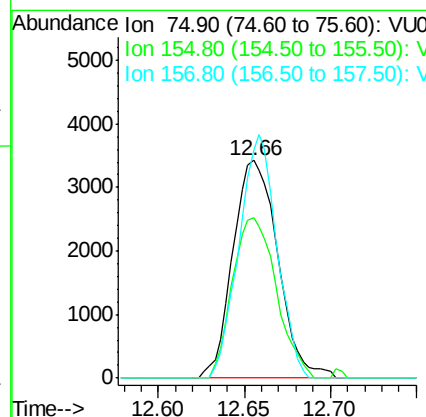
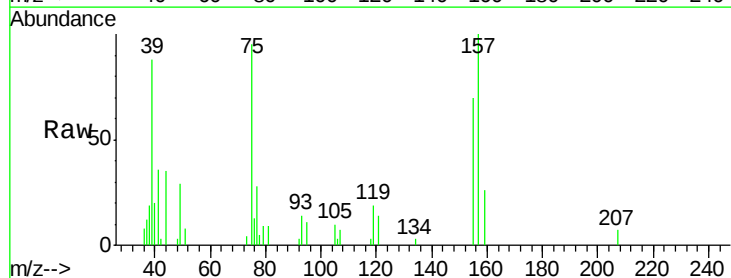
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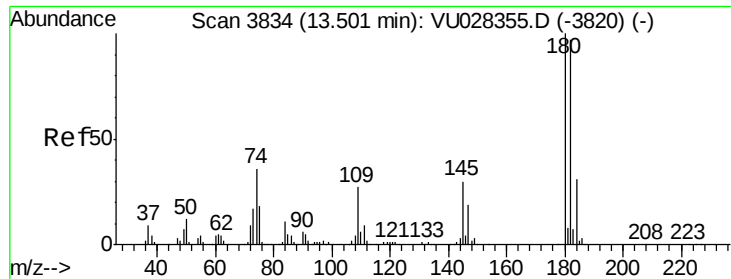
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.156 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.6	36.9	110.7
157	93.7	47.5	142.5





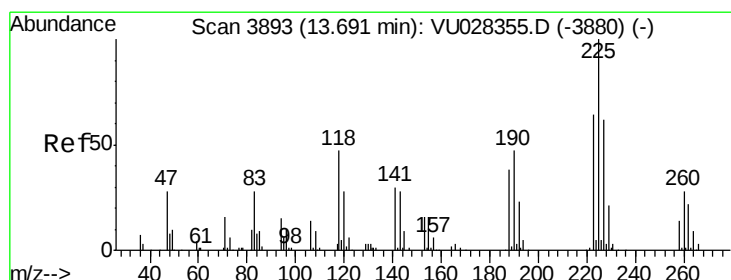
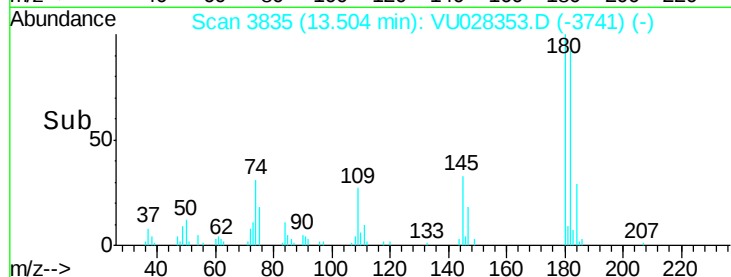
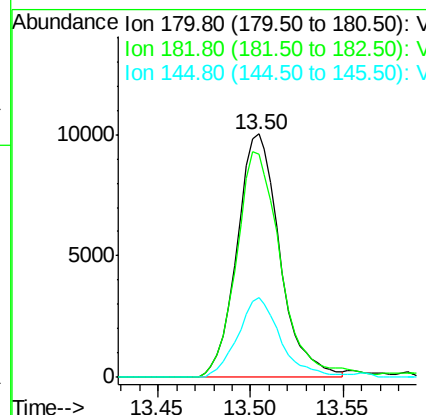
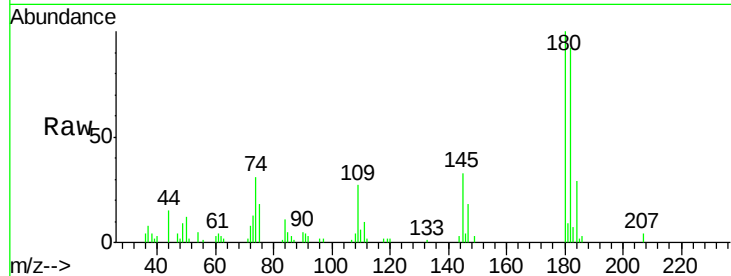
#93
 1,2,4-Trichlorobenzene
 Concen: 4.335 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.3	144.9
145	32.7	15.2	45.5

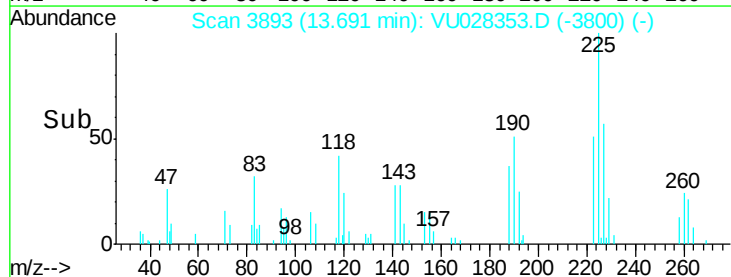
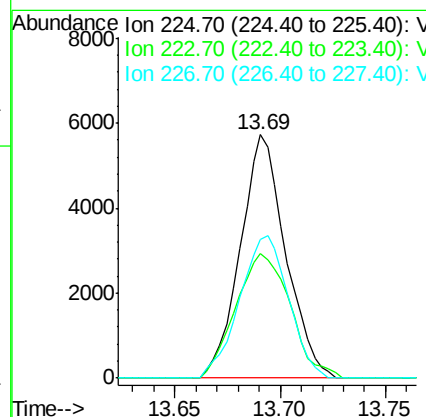
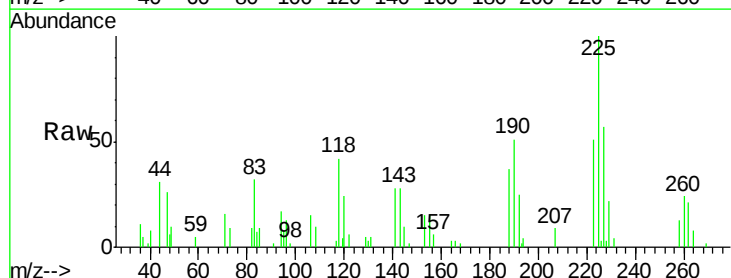
Manual Integrations
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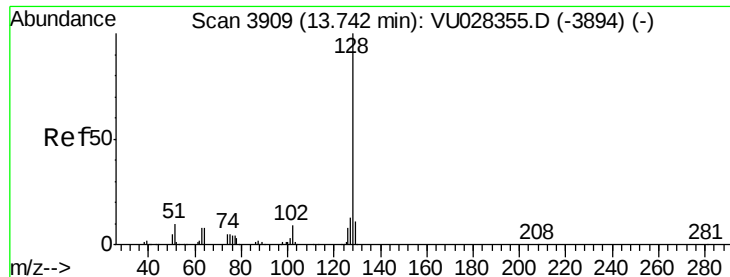
MMDadoda
 11/29/2018 1:22:43 PM



#94
 Hexachlorobutadiene
 Concen: 4.878 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.6	94.7
227	63.2	30.8	92.4





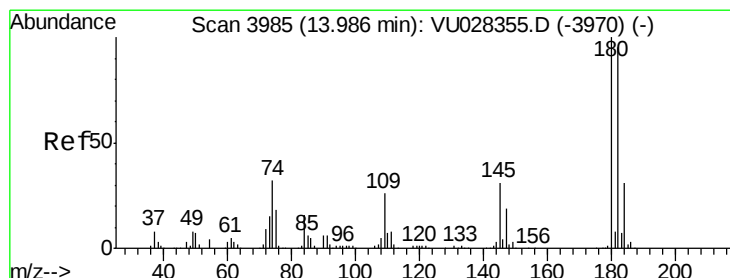
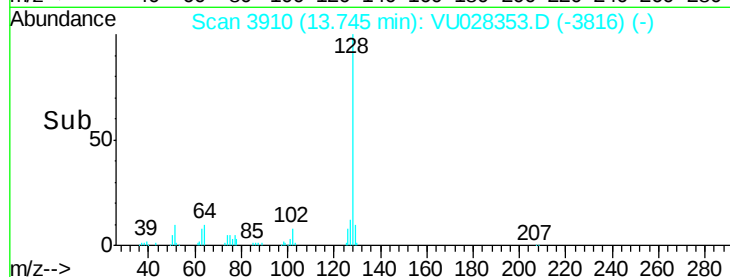
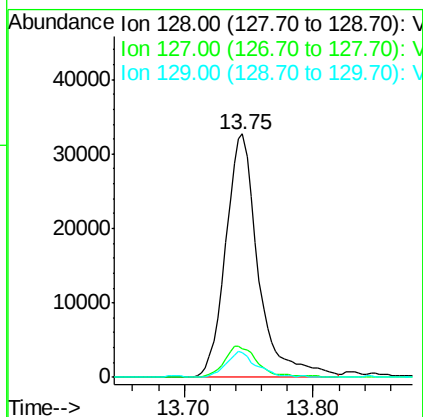
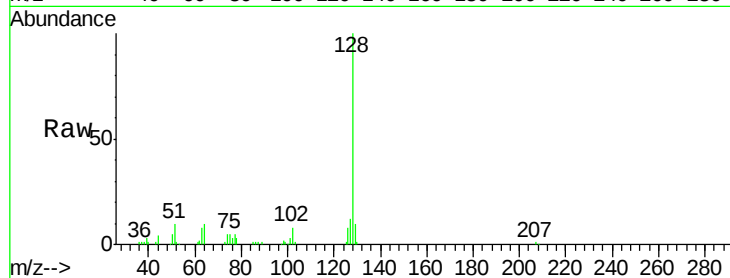
#95
Naphthalene
Concen: 4.552 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	9.8	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 4.429 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.5	47.7	143.1
145	33.5	15.7	47.1

