

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040521\
 Data File : VU042932.D
 Acq On : 05 Apr 2021 15:48
 Operator : SY/MD
 Sample : M1903-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 06 01:19:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U032421W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 25 05:42:00 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

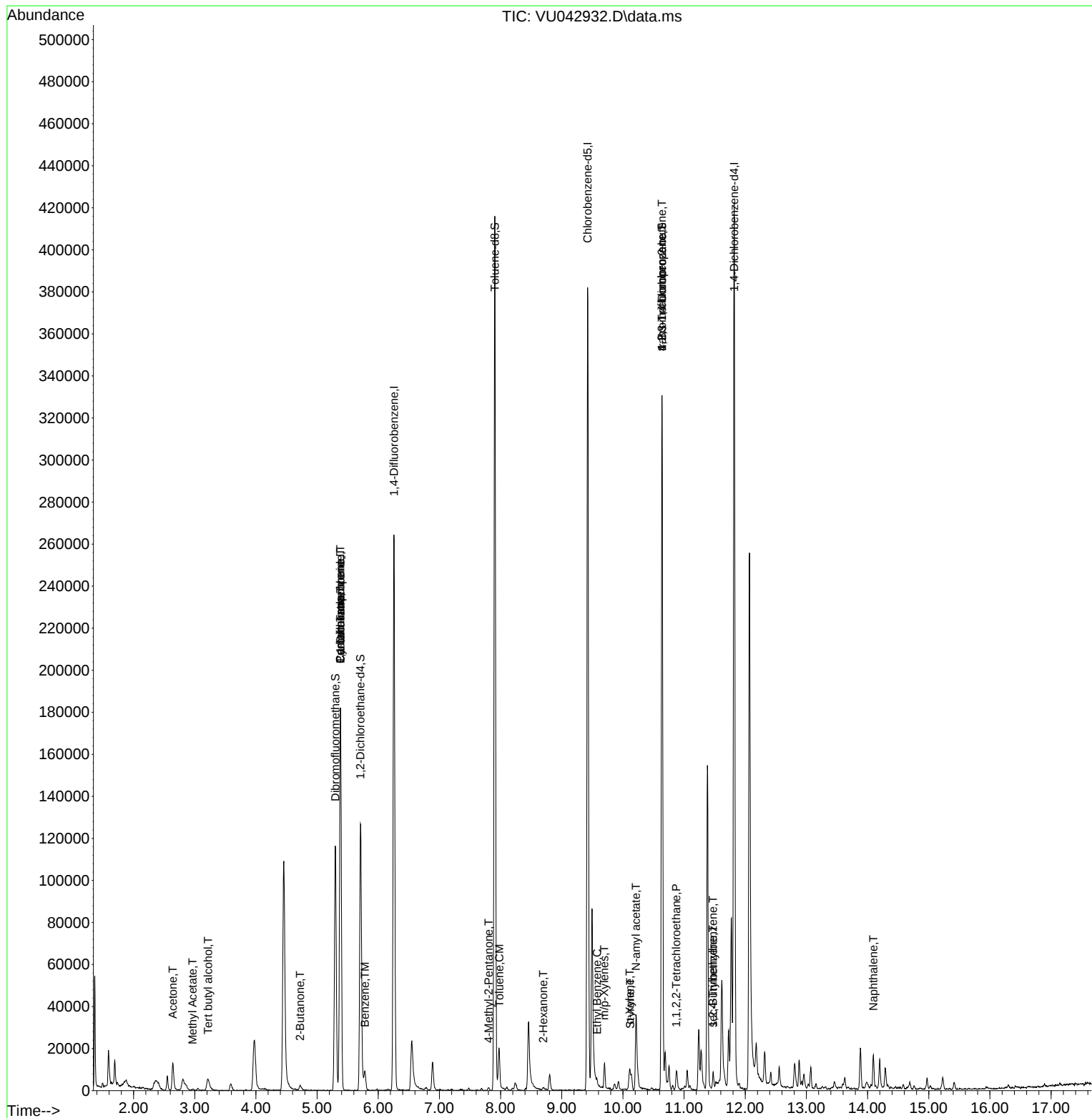
Internal Standards						
1) Pentafluorobenzene	5.382	168	124542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.259	114	197954	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	192558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	101974	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	101160	50.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.90%	
35) Dibromofluoromethane	5.298	113	69616	47.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.24%	
50) Toluene-d8	7.906	98	255215	49.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.20%	
62) 4-Bromofluorobenzene	10.639	95	95498	47.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.56%	
Target Compounds					Qvalue	
5) Bromomethane	1.864	94	195	Below Cal	#	84
6) Chloroethane	1.938	64	68	Below Cal	#	43
11) Tert butyl alcohol	3.218	59	9104	21.45	ug/l #	94
16) Acetone	2.642	43	17609	4.30	ug/l	96
18) Methyl Acetate	2.967	43	856	0.38	ug/l #	67
25) 2-Butanone	4.722	43	4055	2.51	ug/l	96
31) Cyclohexane	5.382	56	2899	1.17	ug/l #	31
36) 1,1-Dichloropropene	5.382	75	10702	5.47	ug/l #	51
38) Carbon Tetrachloride	5.382	117	12284	5.50	ug/l #	18
40) Benzene	5.783	78	5715	0.98	ug/l	98
49) 1,4-Dioxane	7.005	88	43	Below Cal	#	20
51) 4-Methyl-2-Pentanone	7.806	43	1188	0.37	ug/l #	83
52) Toluene	7.980	92	5839	1.63	ug/l	100
59) 2-Hexanone	8.697	43	773	0.30	ug/l	89
67) Ethyl Benzene	9.578	91	2133	0.30	ug/l	97
68) m/p-Xylenes	9.697	106	3161	1.22	ug/l	99
69) o-Xylene	10.111	106	997	0.40	ug/l	57
70) Styrene	10.121	104	2706	0.64	ug/l	98
74) N-amyl acetate	10.214	43	10828	2.97	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	10.873	83	744	0.28	ug/l #	26
76) 1,2,3-Trichloropropane	10.639	75	55608	21.44	ug/l #	38
81) trans-1,4-Dichloro-2-b...	10.639	75	55608	63.53	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.475	105	4046	0.72	ug/l	69
85) sec-Butylbenzene	11.475	105	4046	0.64	ug/l #	57
95) Naphthalene	14.095	128	11464	4.15	ug/l	97

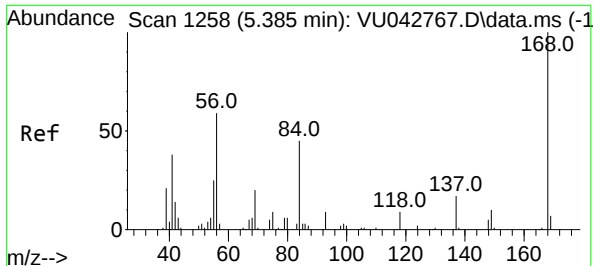
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040521\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U032421W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

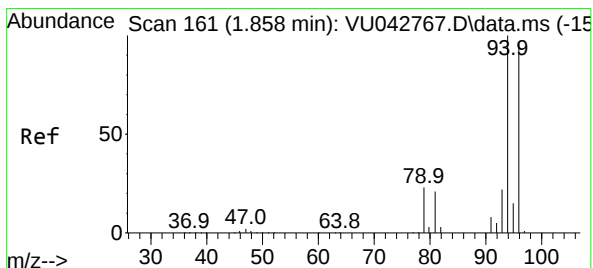
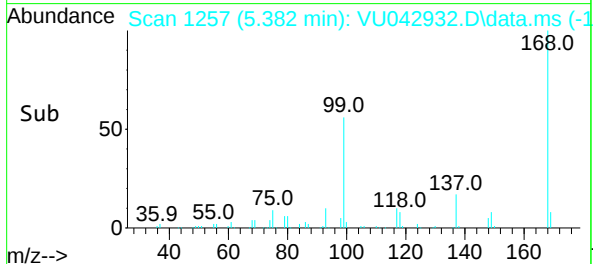
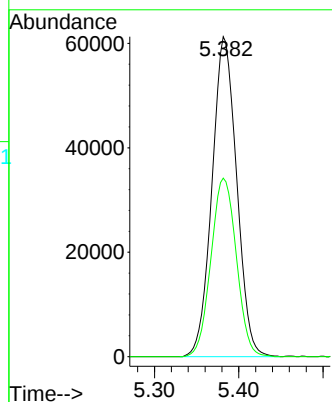
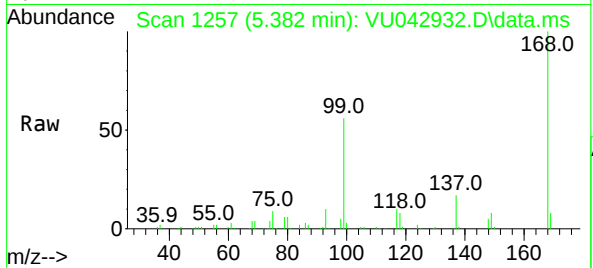




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

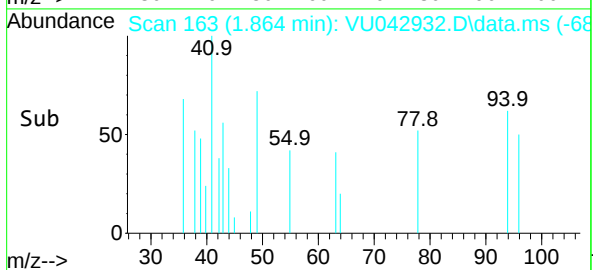
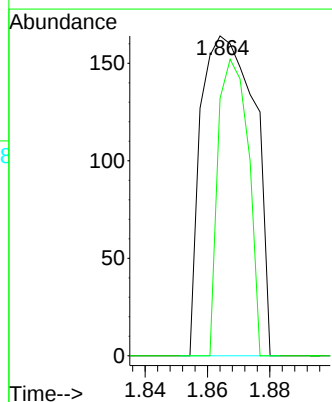
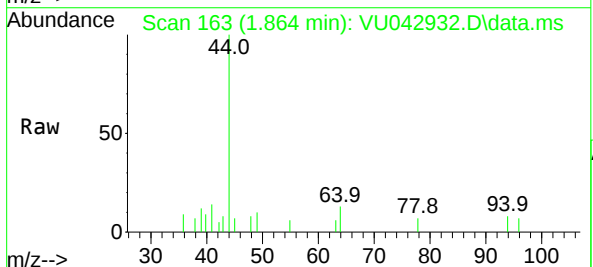
Instrument :
MSVOA_U
ClientSampleId :

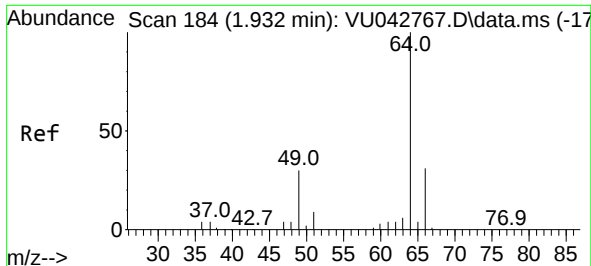
Tgt Ion:168 Resp: 124542
Ion Ratio Lower Upper
168 100
99 55.8 46.4 69.6



#5
Bromomethane
Concen: Below Cal
RT: 1.864 min Scan# 163
Delta R.T. 0.006 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

Tgt Ion: 94 Resp: 195
Ion Ratio Lower Upper
94 100
96 80.5 77.1 115.7

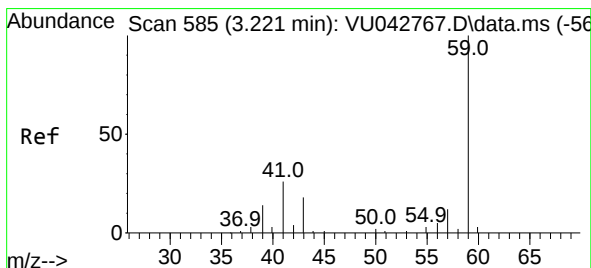
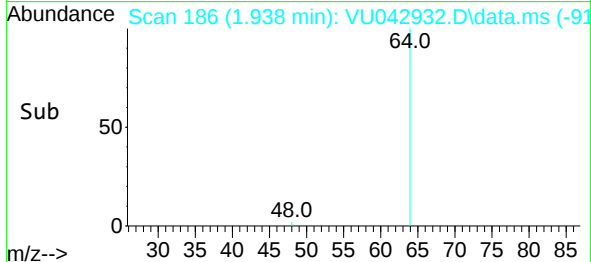
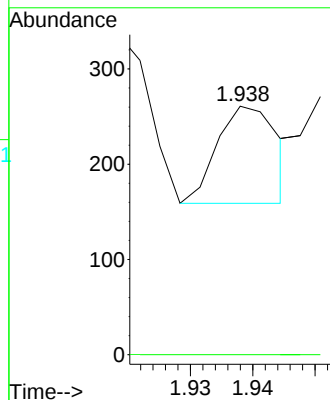
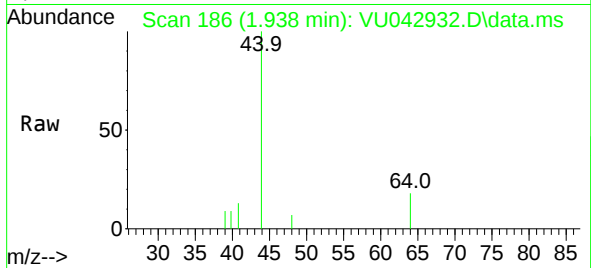




#6
Chloroethane
Concen: Below Cal
RT: 1.938 min Scan# 186
Delta R.T. 0.006 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

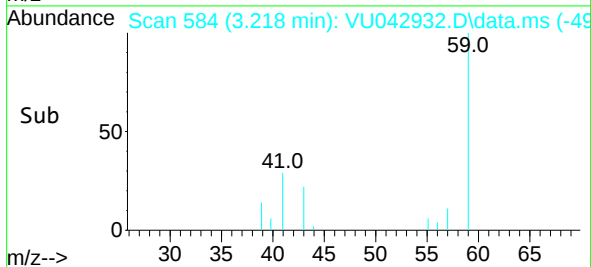
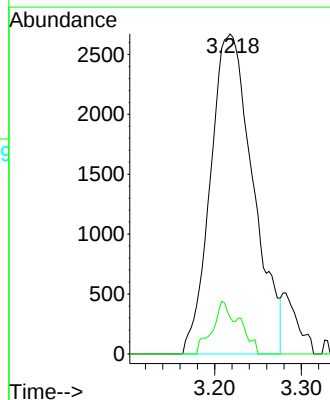
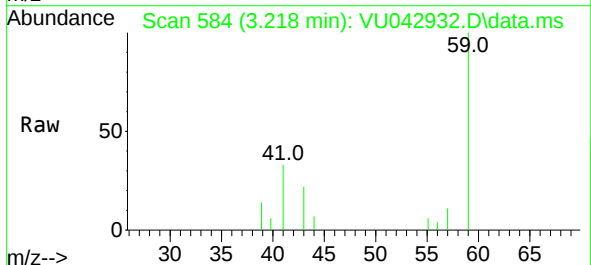
Instrument :
MSVOA_U
ClientSampleId :

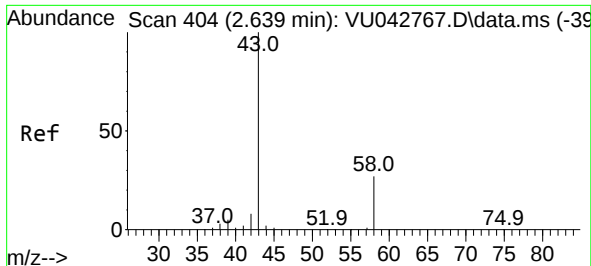
Tgt Ion: 64 Resp: 68
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#



#11
Tert butyl alcohol
Concen: 21.45 ug/l
RT: 3.218 min Scan# 584
Delta R.T. -0.003 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

Tgt Ion: 59 Resp: 9104
Ion Ratio Lower Upper
59 100
57 7.0 7.4 11.2#

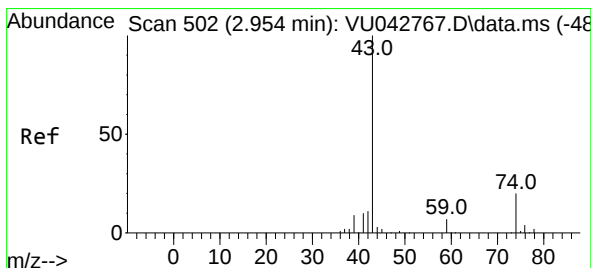
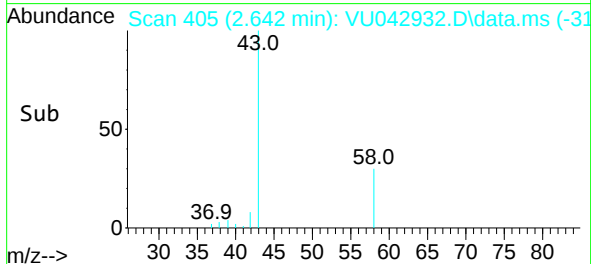
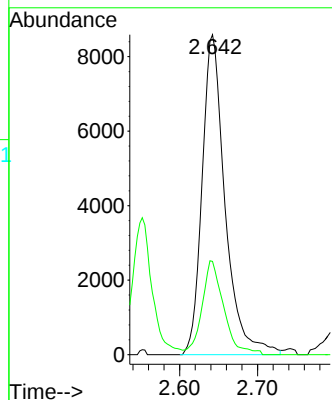
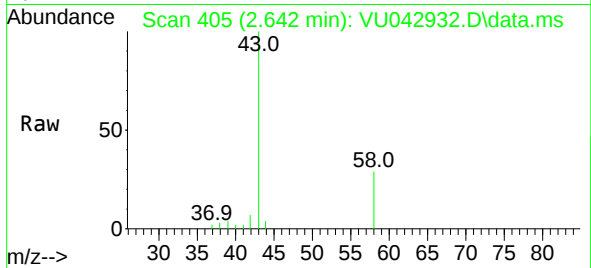




#16
Acetone
Concen: 4.30 ug/l
RT: 2.642 min Scan# 405
Delta R.T. 0.003 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

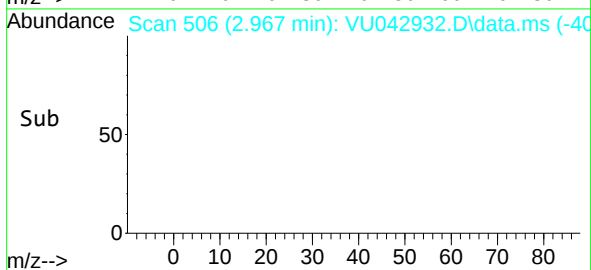
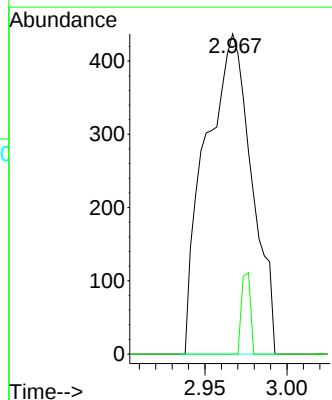
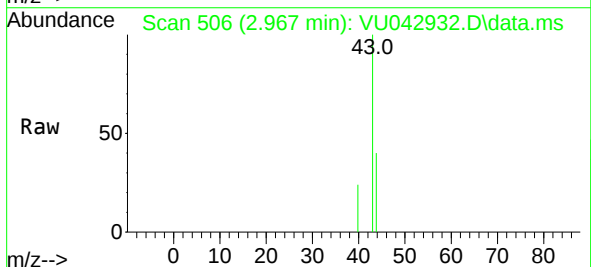
Instrument :
MSVOA_U
ClientSampled :

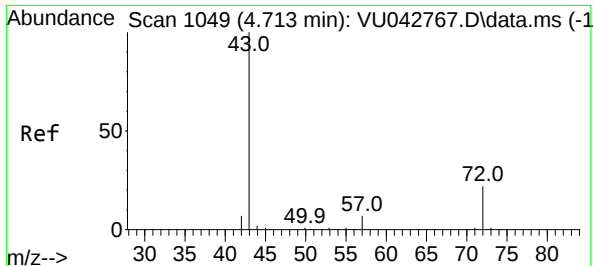
Tgt Ion: 43 Resp: 17609
Ion Ratio Lower Upper
43 100
58 29.1 21.6 32.4



#18
Methyl Acetate
Concen: 0.38 ug/l
RT: 2.967 min Scan# 506
Delta R.T. 0.013 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

Tgt Ion: 43 Resp: 856
Ion Ratio Lower Upper
43 100
74 4.9 16.2 24.4#

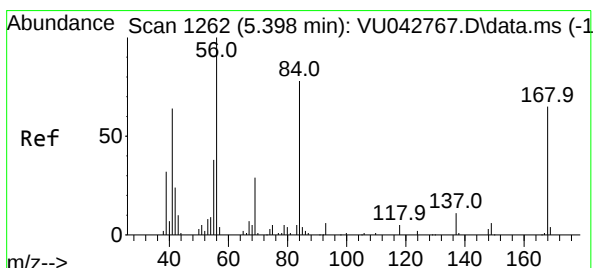
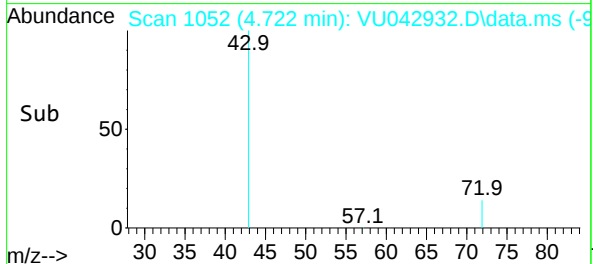
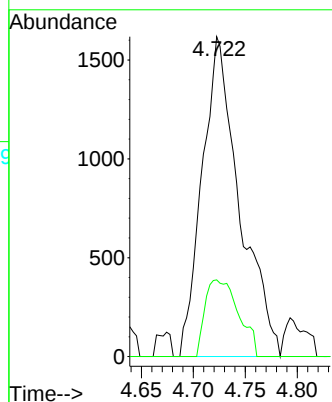
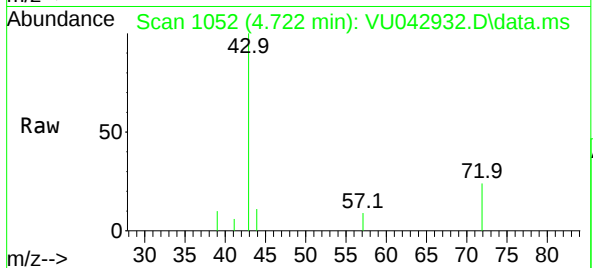




#25
2-Butanone
Concen: 2.51 ug/l
RT: 4.722 min Scan# 1052
Delta R.T. 0.009 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

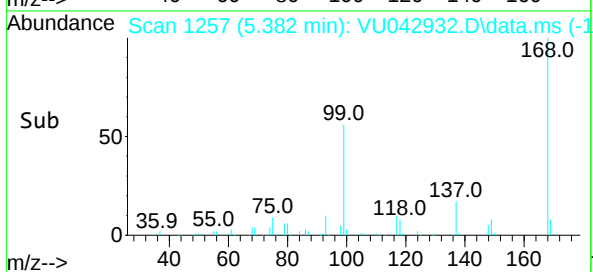
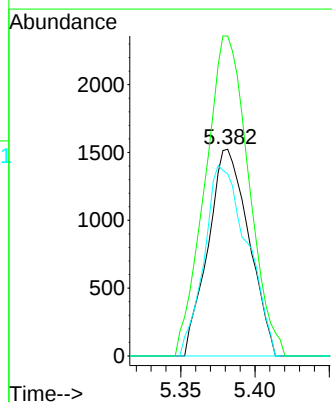
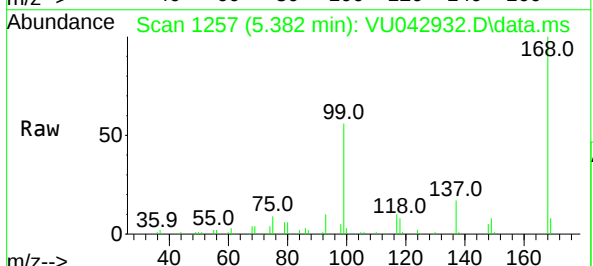
Instrument :
MSVOA_U
ClientSampled :

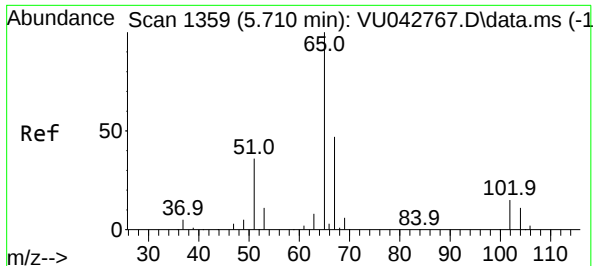
Tgt Ion: 43 Resp: 4055
Ion Ratio Lower Upper
43 100
72 24.0 17.7 26.5



#31
Cyclohexane
Concen: 1.17 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.016 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

Tgt Ion: 56 Resp: 2899
Ion Ratio Lower Upper
56 100
69 146.9 23.3 34.9#
84 88.1 62.2 93.4





#33

1,2-Dichloroethane-d4

Concen: 50.95 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU042932.D

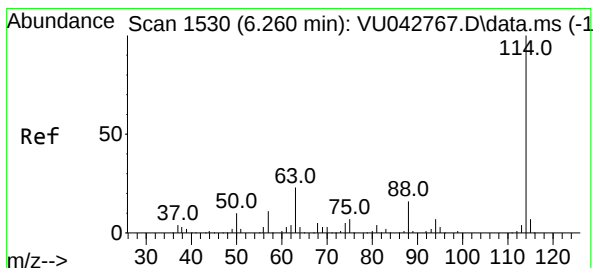
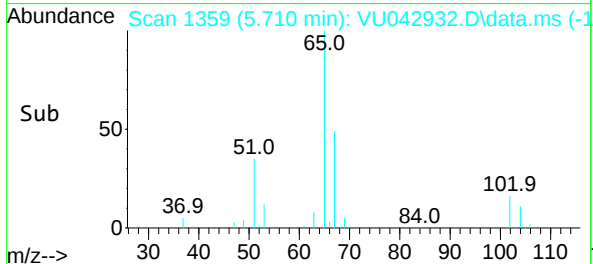
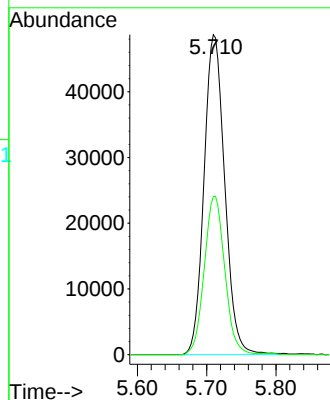
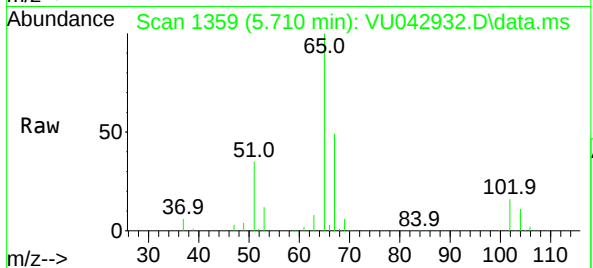
Acq: 05 Apr 2021 15:48

Tgt Ion: 65 Resp: 101160

Ion Ratio Lower Upper

65 100

67 48.8 0.0 98.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.259 min Scan# 1530

Delta R.T. -0.001 min

Lab File: VU042932.D

Acq: 05 Apr 2021 15:48

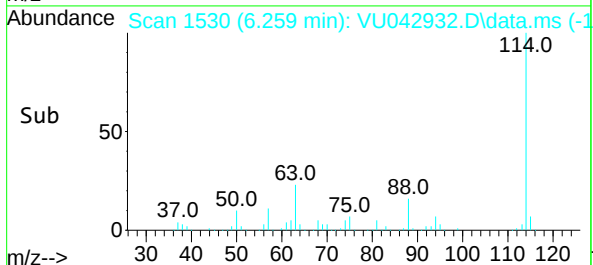
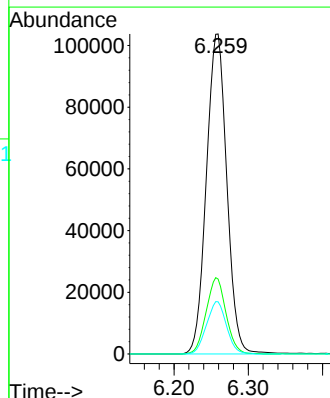
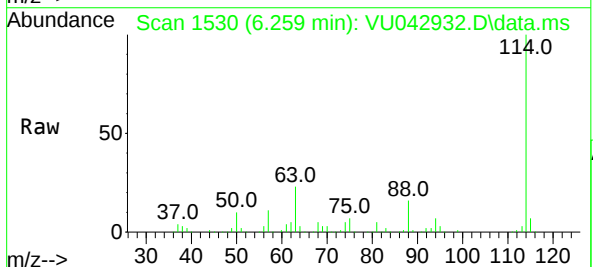
Tgt Ion: 114 Resp: 197954

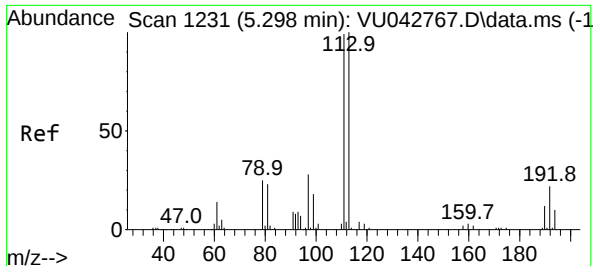
Ion Ratio Lower Upper

114 100

63 23.4 0.0 46.8

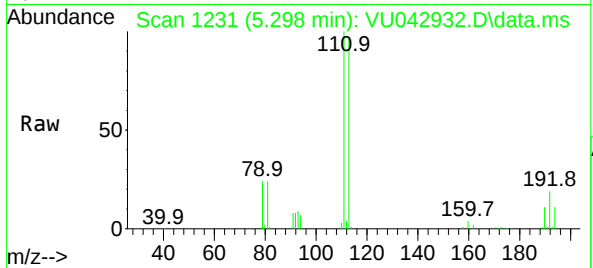
88 16.3 0.0 32.2



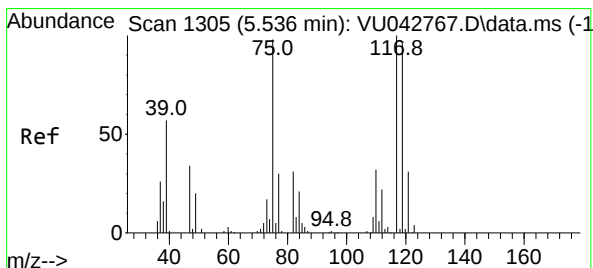
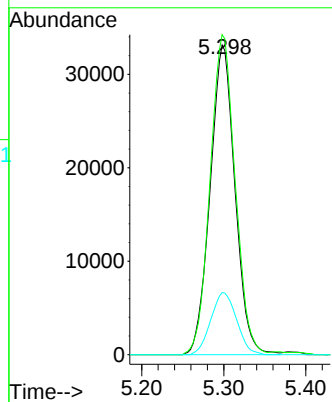
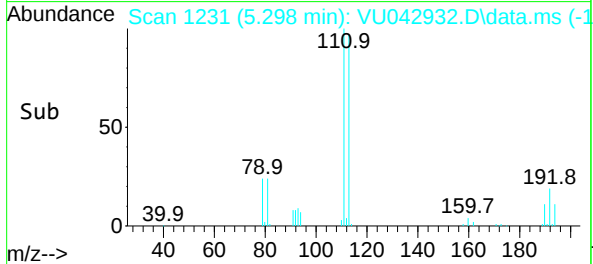


#35
Dibromofluoromethane
Concen: 47.12 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

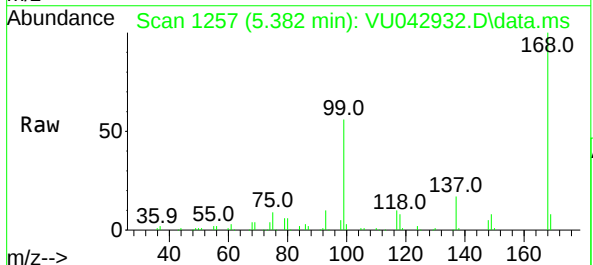
Instrument :
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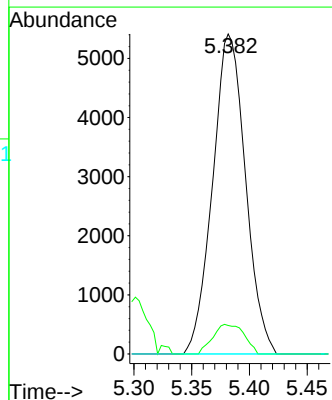
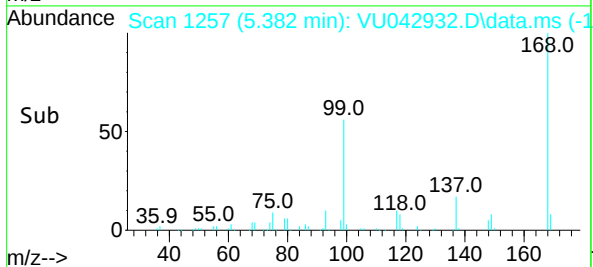
Tgt Ion:113 Resp: 69616
Ion Ratio Lower Upper
113 100
111 104.4 82.1 123.1
192 20.9 17.6 26.4

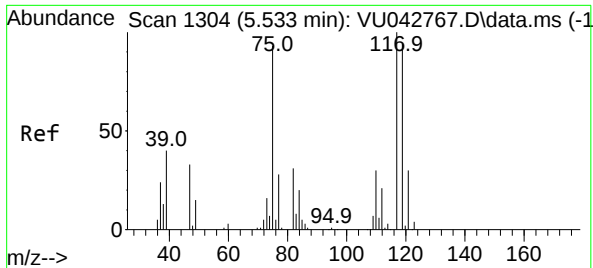


#36
1,1-Dichloropropene
Concen: 5.47 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.155 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48



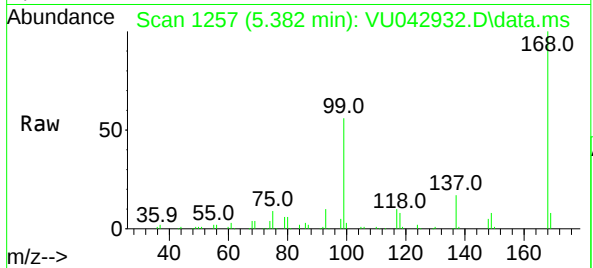
Tgt Ion: 75 Resp: 10702
Ion Ratio Lower Upper
75 100
110 8.8 16.6 49.7#
77 0.0 24.7 37.1#



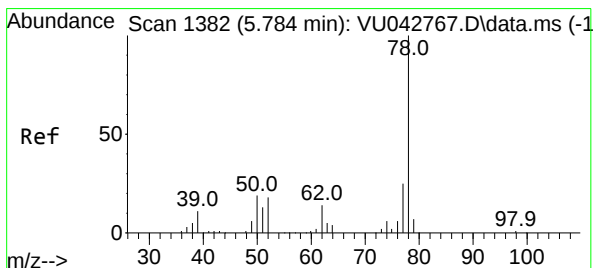
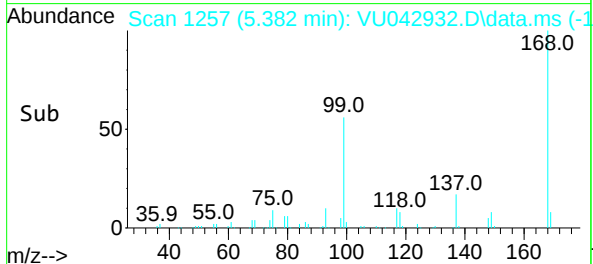
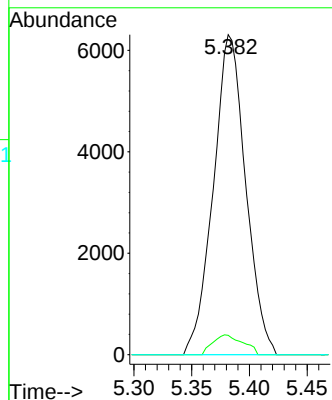


#38
Carbon Tetrachloride
Concen: 5.50 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

Instrument :
MSVOA_U
ClientSampleId :

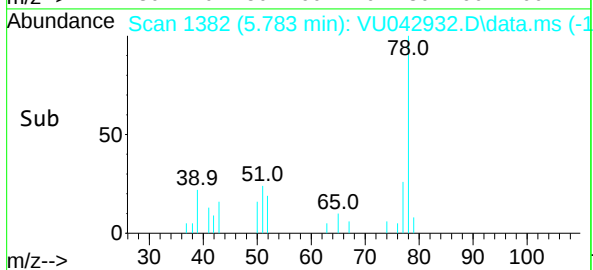
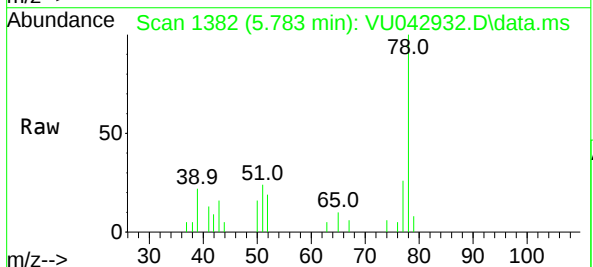
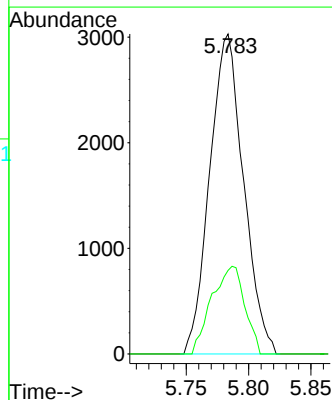


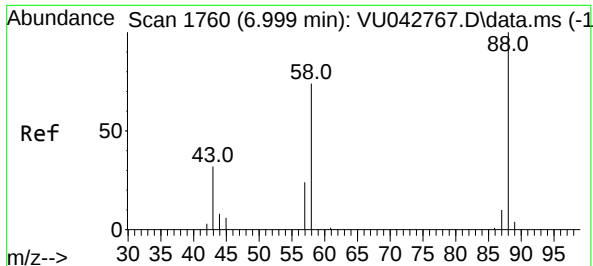
Tgt Ion:117 Resp: 12284
Ion Ratio Lower Upper
117 100
119 6.0 75.2 112.8#
121 0.0 24.2 36.4#



#40
Benzene
Concen: 0.98 ug/l
RT: 5.783 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

Tgt Ion: 78 Resp: 5715
Ion Ratio Lower Upper
78 100
77 26.1 19.9 29.9





#49

1,4-Dioxane

Concen: Below Cal

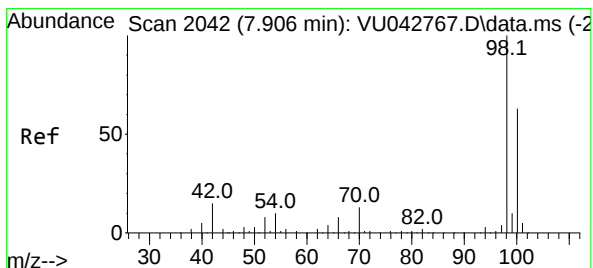
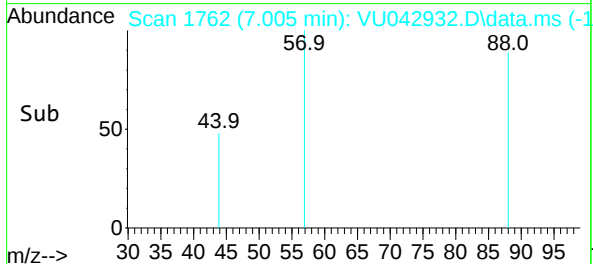
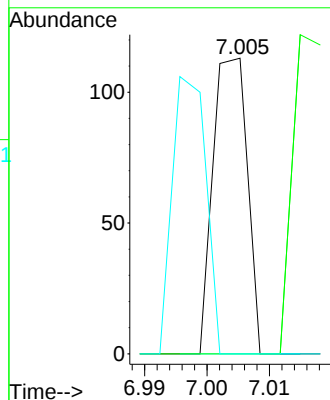
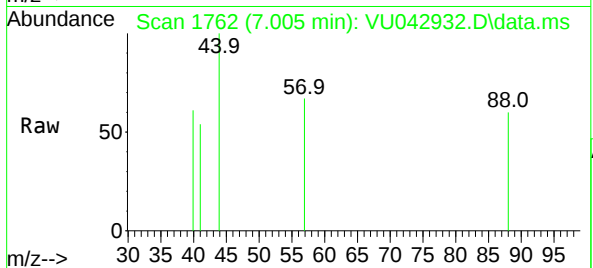
RT: 7.005 min Scan# 1762

Delta R.T. 0.006 min

Lab File: VU042932.D

Acq: 05 Apr 2021 15:48

Tgt Ion: 88	Resp:	43
Ion	Ratio	Lower Upper
88	100	
43	0.0	25.4 38.0#
58	0.0	62.5 93.7#



#50

Toluene-d8

Concen: 49.10 ug/l

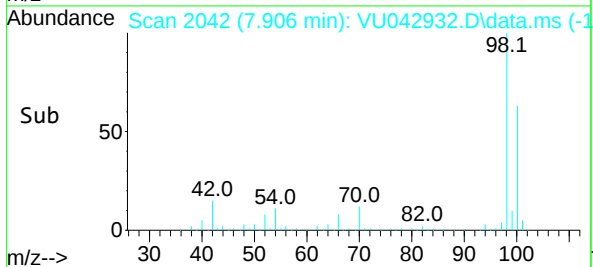
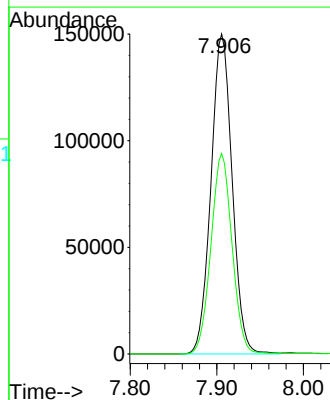
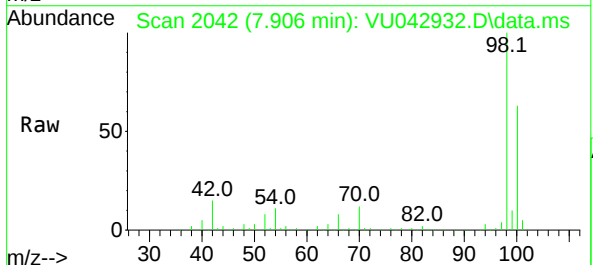
RT: 7.906 min Scan# 2042

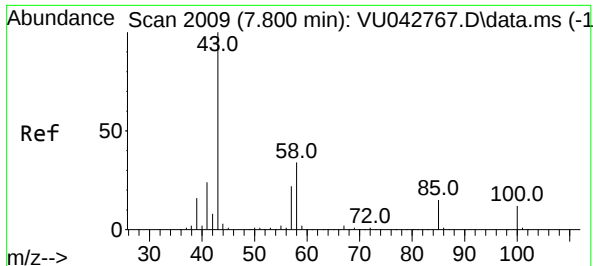
Delta R.T. -0.000 min

Lab File: VU042932.D

Acq: 05 Apr 2021 15:48

Tgt Ion: 98	Resp:	255215
Ion	Ratio	Lower Upper
98	100	
100	62.3	50.4 75.6

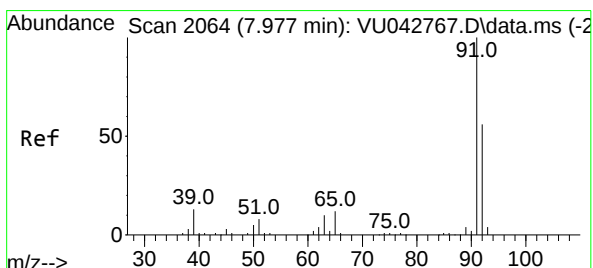
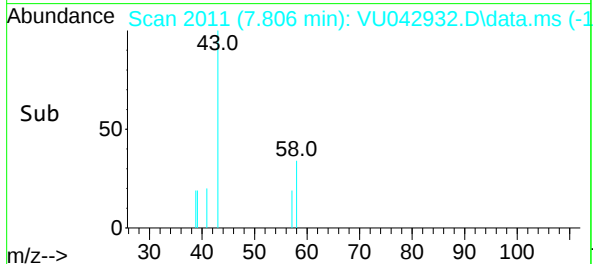
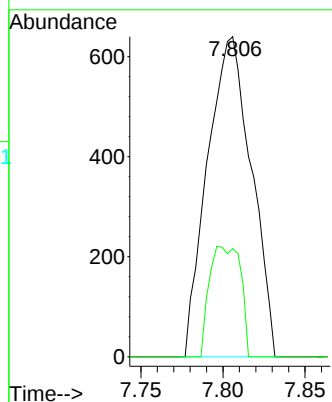
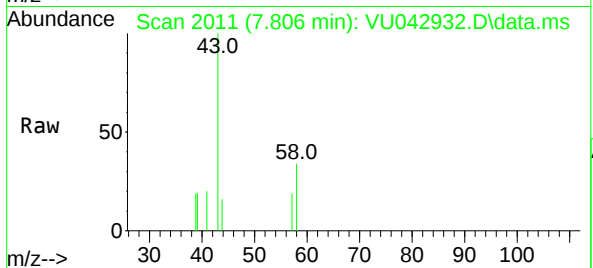




#51
4-Methyl-2-Pentanone
Concen: 0.37 ug/l
RT: 7.806 min Scan# 2011
Delta R.T. 0.006 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

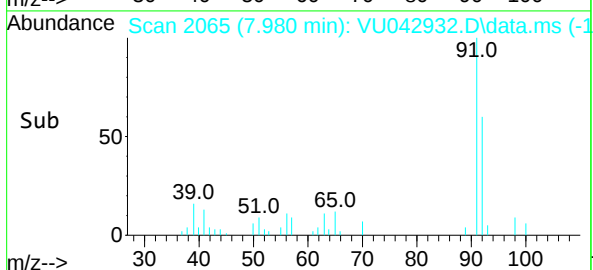
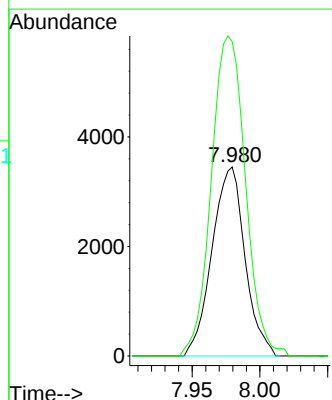
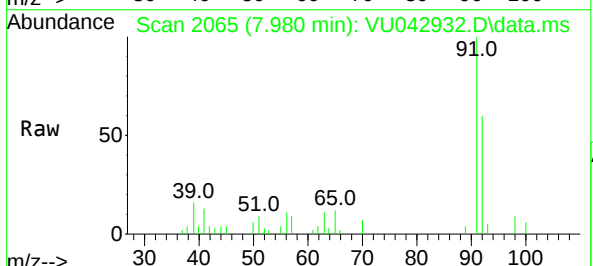
Instrument :
MSVOA_U
ClientSampled :

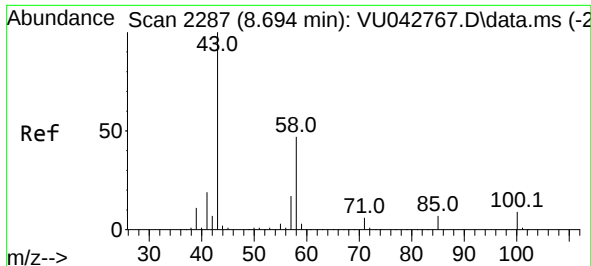
Tgt Ion: 43 Resp: 1188
Ion Ratio Lower Upper
43 100
58 24.5 27.4 41.2#



#52
Toluene
Concen: 1.63 ug/l
RT: 7.980 min Scan# 2065
Delta R.T. 0.003 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

Tgt Ion: 92 Resp: 5839
Ion Ratio Lower Upper
92 100
91 175.4 140.6 210.8

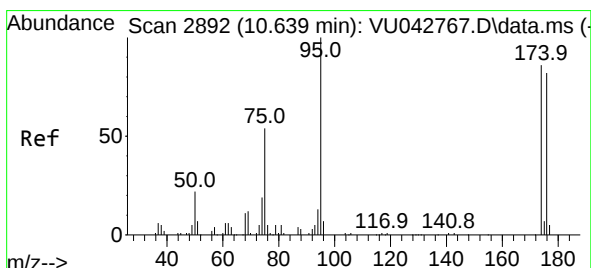
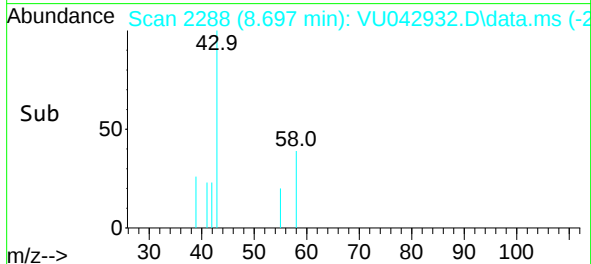
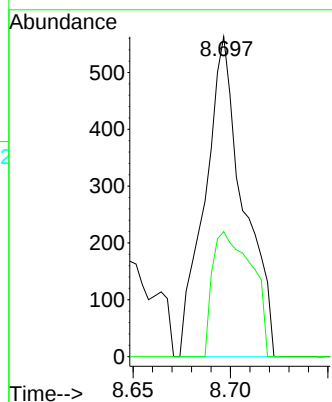
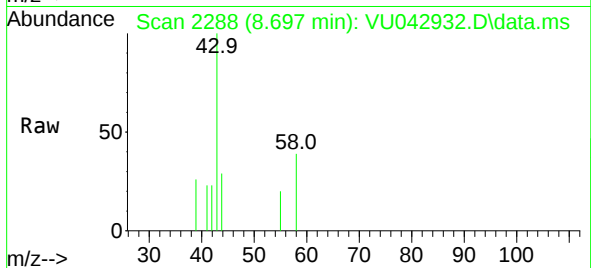




#59
2-Hexanone
Concen: 0.30 ug/l
RT: 8.697 min Scan# 2288
Delta R.T. 0.003 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

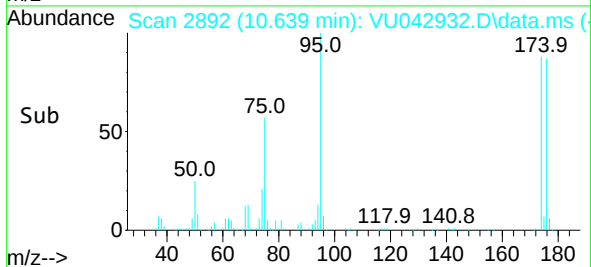
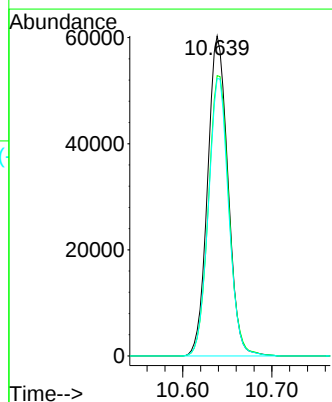
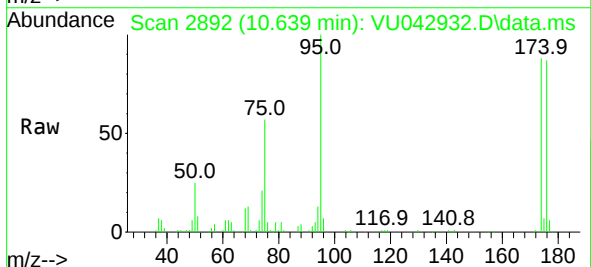
Instrument :
MSVOA_U
ClientSampled :

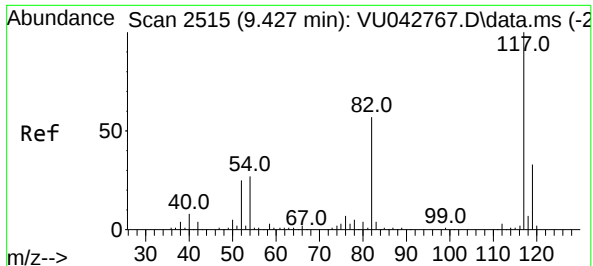
Tgt Ion: 43 Resp: 773
Ion Ratio Lower Upper
43 100
58 39.8 23.8 71.2



#62
4-Bromofluorobenzene
Concen: 47.28 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

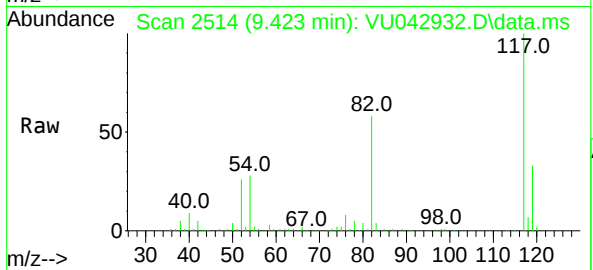
Tgt Ion: 95 Resp: 95498
Ion Ratio Lower Upper
95 100
174 88.3 0.0 175.2
176 86.0 0.0 167.4



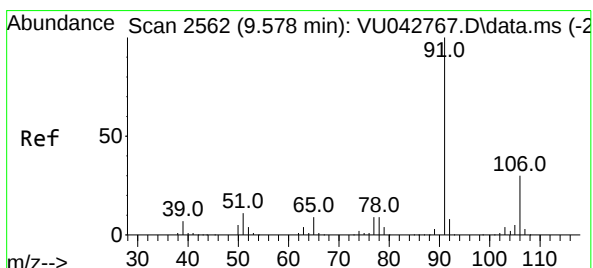
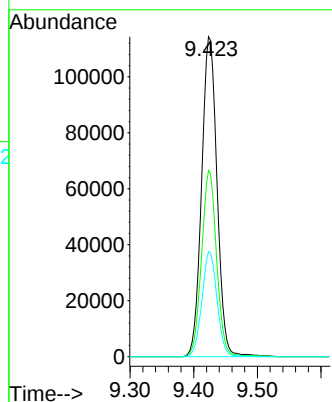
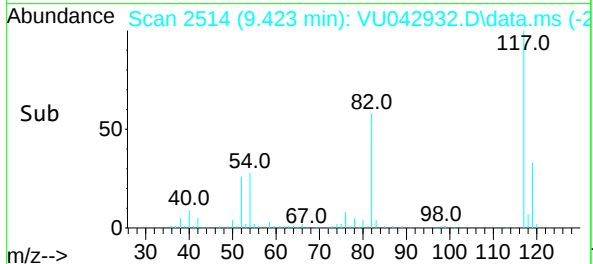


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.004 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

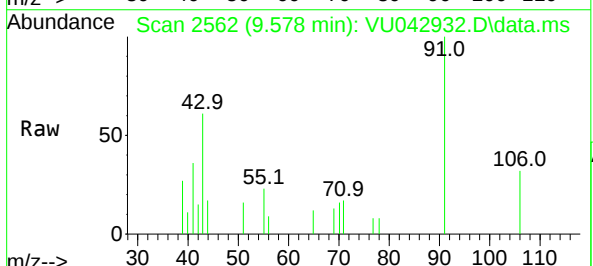
Instrument :
MSVOA_U
ClientSampled :



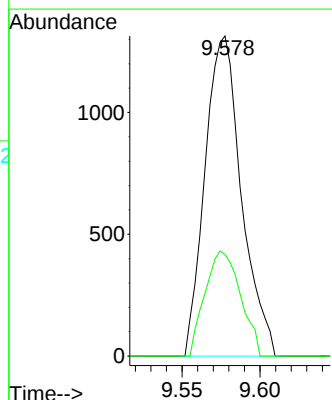
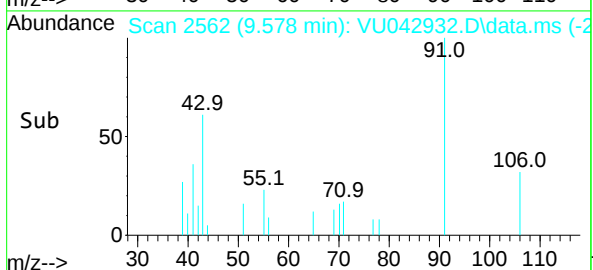
Tgt Ion:117 Resp: 192558
Ion Ratio Lower Upper
117 100
82 58.2 45.5 68.3
119 32.8 26.2 39.4

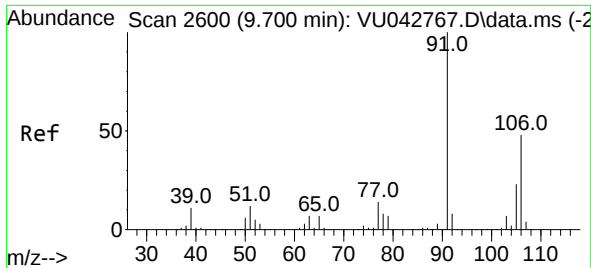


#67
Ethyl Benzene
Concen: 0.30 ug/l
RT: 9.578 min Scan# 2562
Delta R.T. -0.000 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48



Tgt Ion: 91 Resp: 2133
Ion Ratio Lower Upper
91 100
106 31.7 24.1 36.1

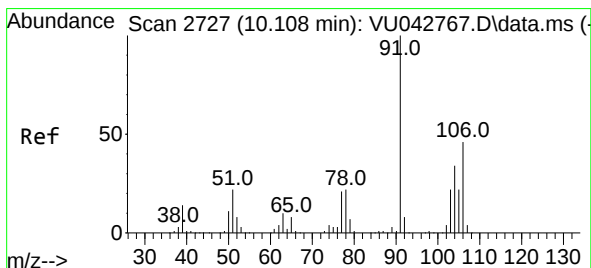
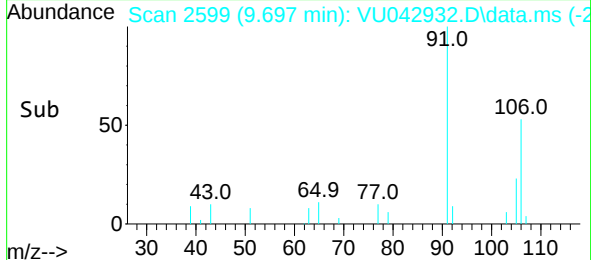
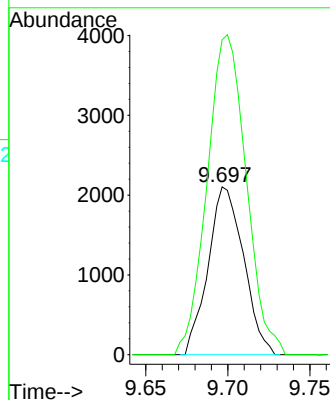
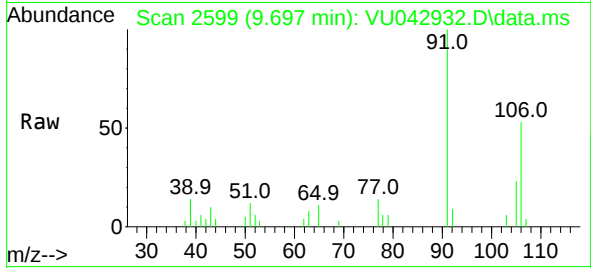




#68
m/p-Xylenes
Concen: 1.22 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. -0.003 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

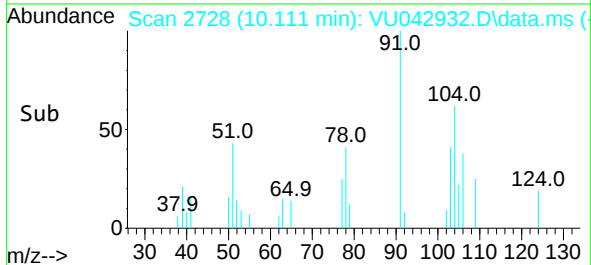
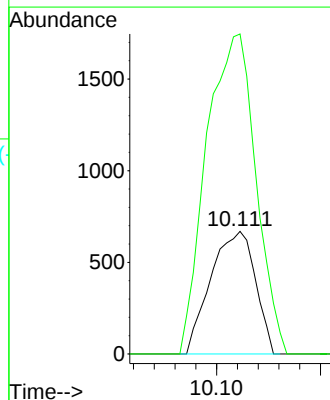
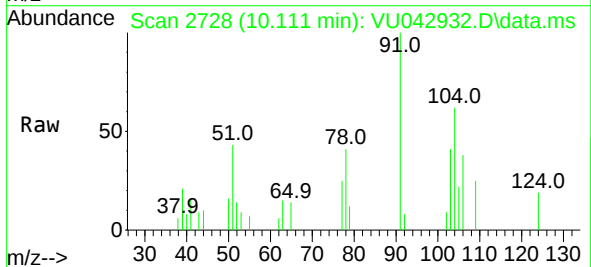
Instrument :
MSVOA_U
ClientSampleId :

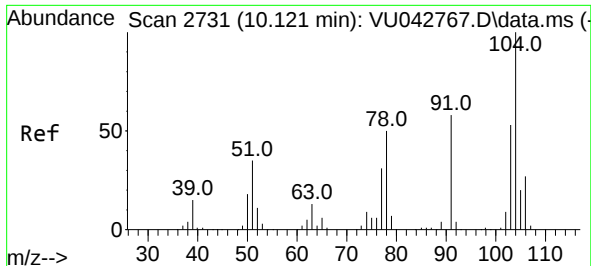
Tgt Ion:106 Resp: 3161
Ion Ratio Lower Upper
106 100
91 209.6 168.3 252.5



#69
o-Xylene
Concen: 0.40 ug/l
RT: 10.111 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

Tgt Ion:106 Resp: 997
Ion Ratio Lower Upper
106 100
91 288.5 109.9 329.7

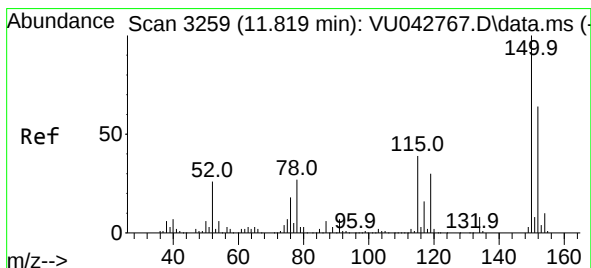
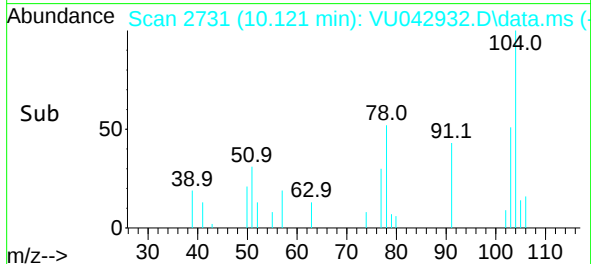
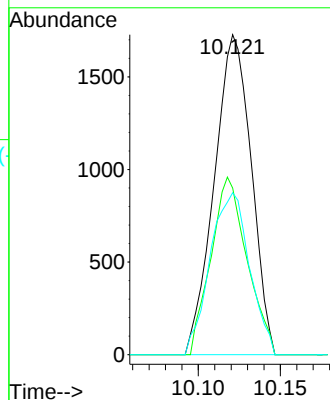
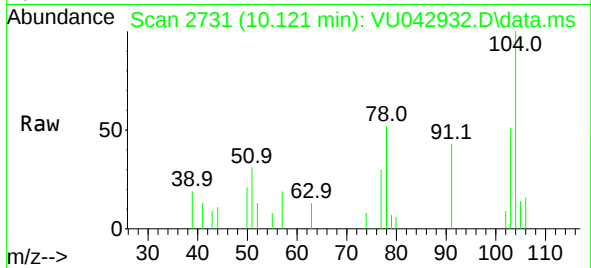




#70
Styrene
Concen: 0.64 ug/l
RT: 10.121 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

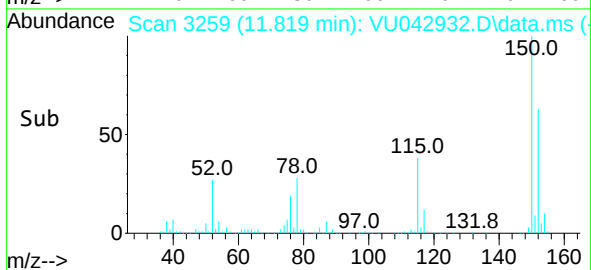
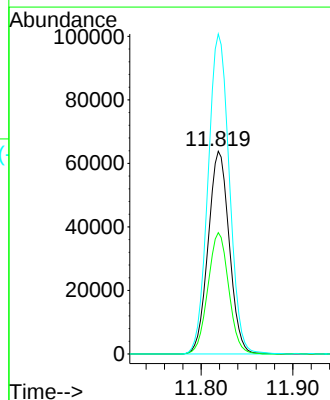
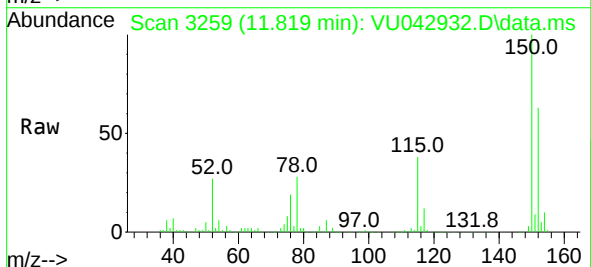
Instrument :
MSVOA_U
ClientSampleId :

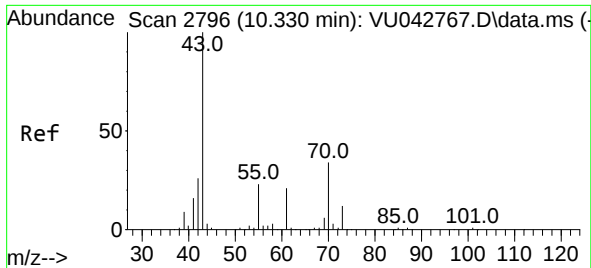
Tgt Ion:104 Resp: 2706
Ion Ratio Lower Upper
104 100
78 54.2 43.2 64.8
103 53.9 45.0 67.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

Tgt Ion:152 Resp: 101974
Ion Ratio Lower Upper
152 100
115 58.9 41.0 123.0
150 159.3 0.0 341.0

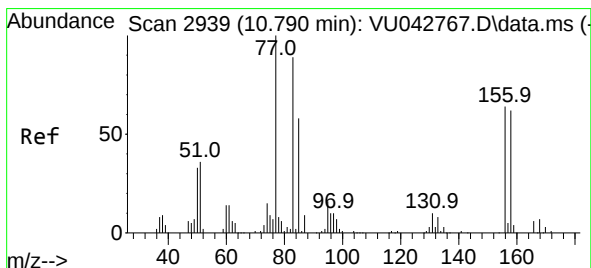
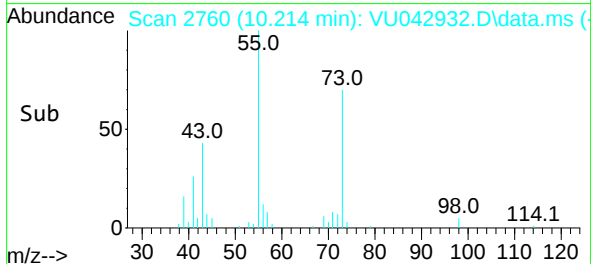
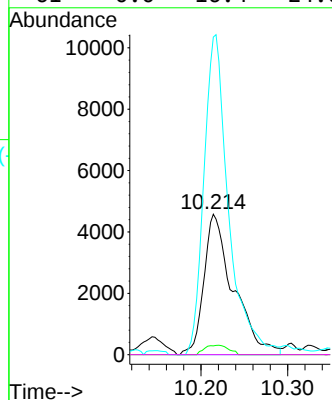
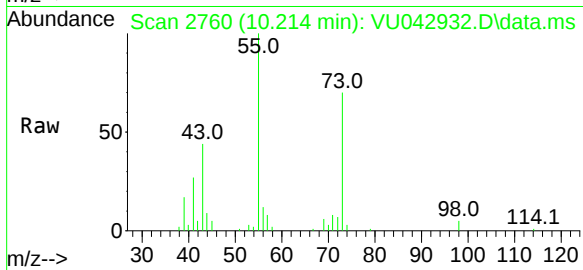




#74
N-amy1 acetate
Concen: 2.97 ug/l
RT: 10.214 min Scan# 2760
Delta R.T. -0.116 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

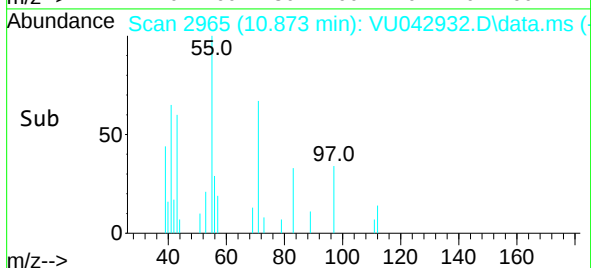
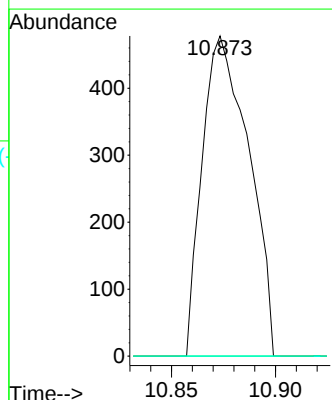
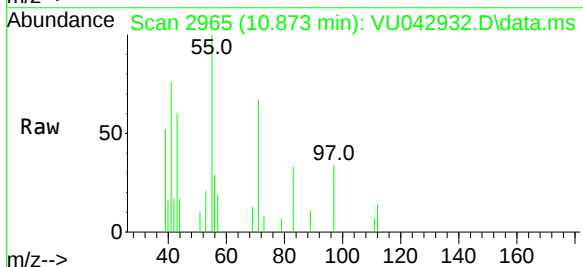
Instrument :
MSVOA_U
ClientSampleId :

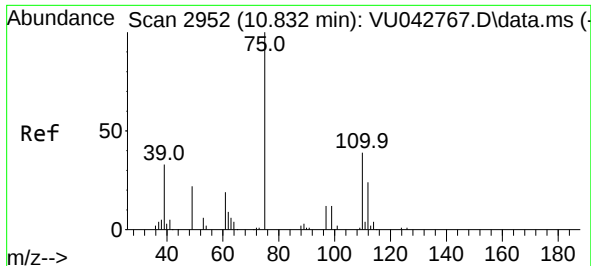
Tgt Ion: 43	Resp: 10828
Ion Ratio	Lower Upper
43 100	
70 5.5	27.8 41.6#
55 190.2	18.4 27.6#
61 0.0	16.4 24.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.28 ug/l
RT: 10.873 min Scan# 2965
Delta R.T. 0.083 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

Tgt Ion: 83	Resp: 744
Ion Ratio	Lower Upper
83 100	
131 0.0	5.1 15.2#
85 0.0	32.0 96.2#

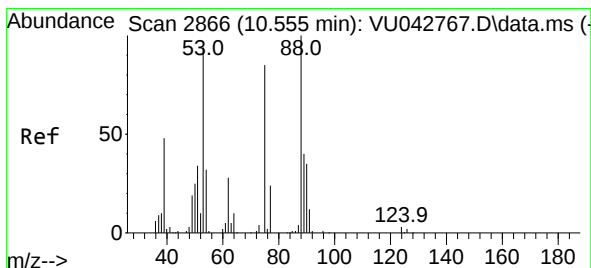
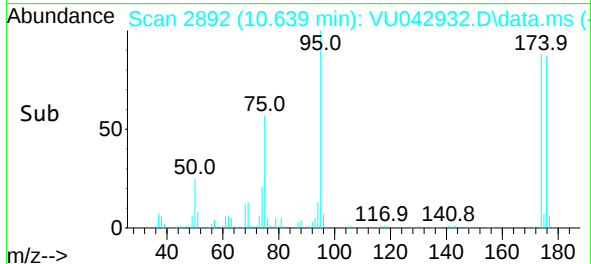
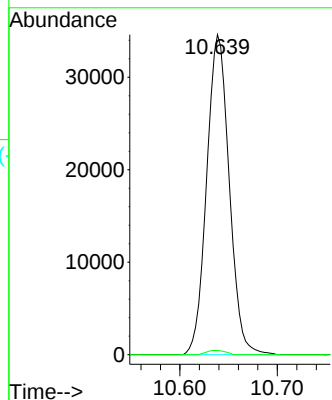
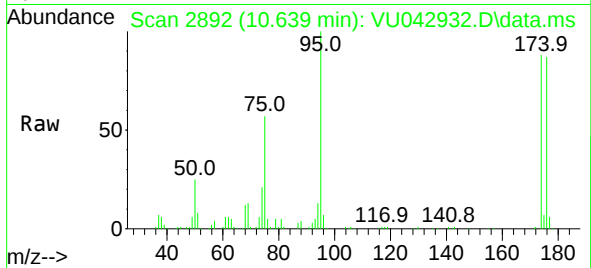




#76
1,2,3-Trichloropropane
Concen: 21.44 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

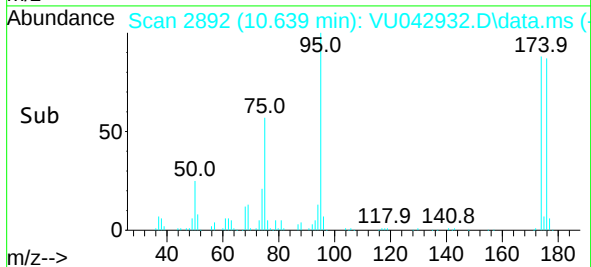
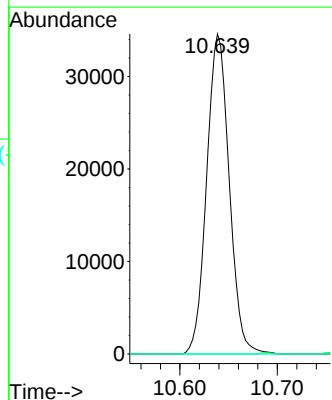
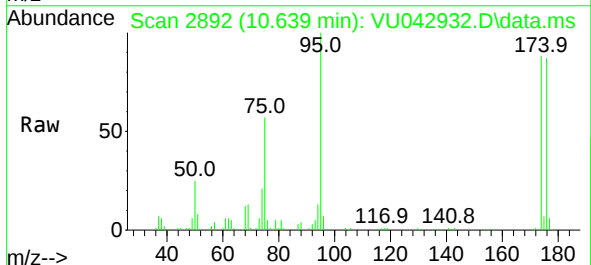
Instrument :
MSVOA_U
ClientSampled :

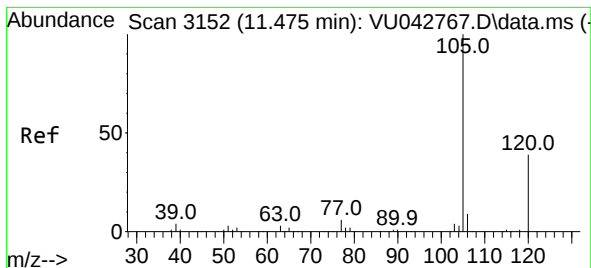
Tgt Ion: 75 Resp: 55608
Ion Ratio Lower Upper
75 100
77 1.1 19.6 58.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.53 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.083 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

Tgt Ion: 75 Resp: 55608
Ion Ratio Lower Upper
75 100
53 0.0 88.3 132.5#
89 0.0 35.7 53.5#

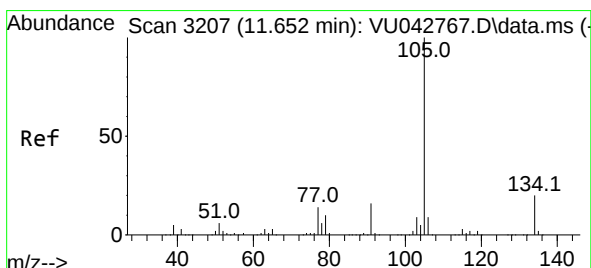
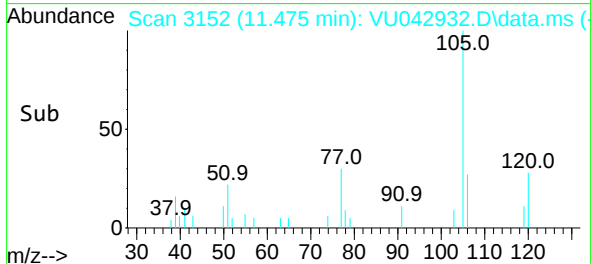
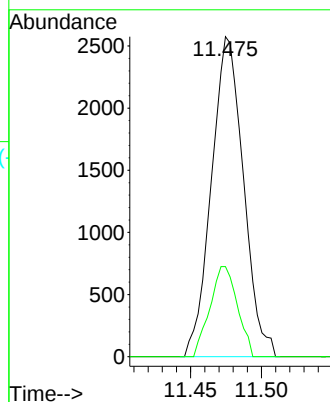
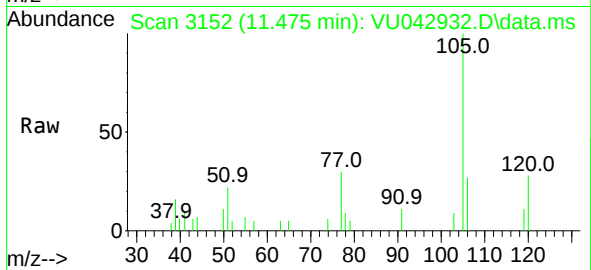




#84
1,2,4-Trimethylbenzene
Concen: 0.72 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

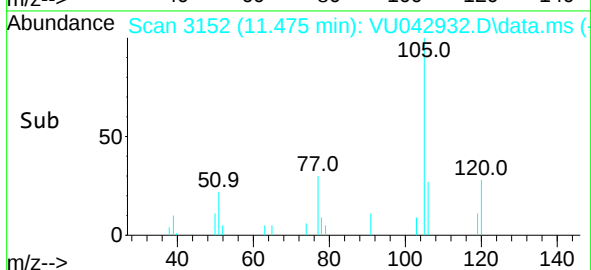
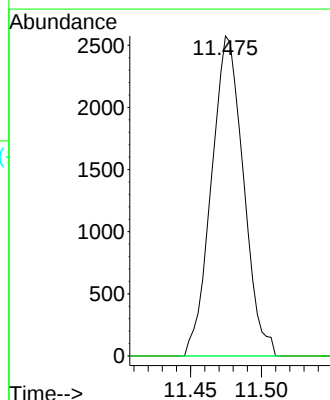
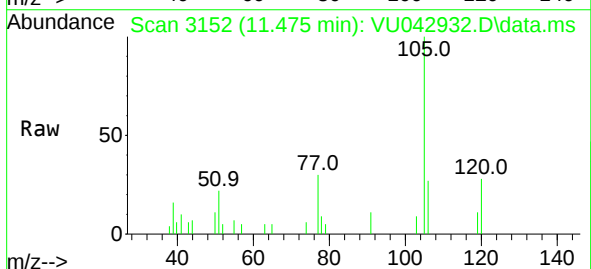
Instrument :
MSVOA_U
ClientSampled :

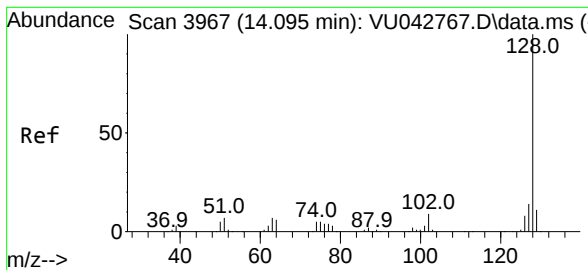
Tgt Ion:105 Resp: 4046
Ion Ratio Lower Upper
105 100
120 24.1 22.3 66.8



#85
sec-Butylbenzene
Concen: 0.64 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.177 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

Tgt Ion:105 Resp: 4046
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.5#





#95
Naphthalene
Concen: 4.15 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU042932.D
Acq: 05 Apr 2021 15:48

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 11464
Ion Ratio Lower Upper
128 100
127 14.4 10.9 16.3
129 9.4 8.7 13.1

