

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102221\
 Data File : VU045365.D
 Acq On : 22 Oct 2021 15:24
 Operator : SY/MD
 Sample : M4315-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 01:12:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

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

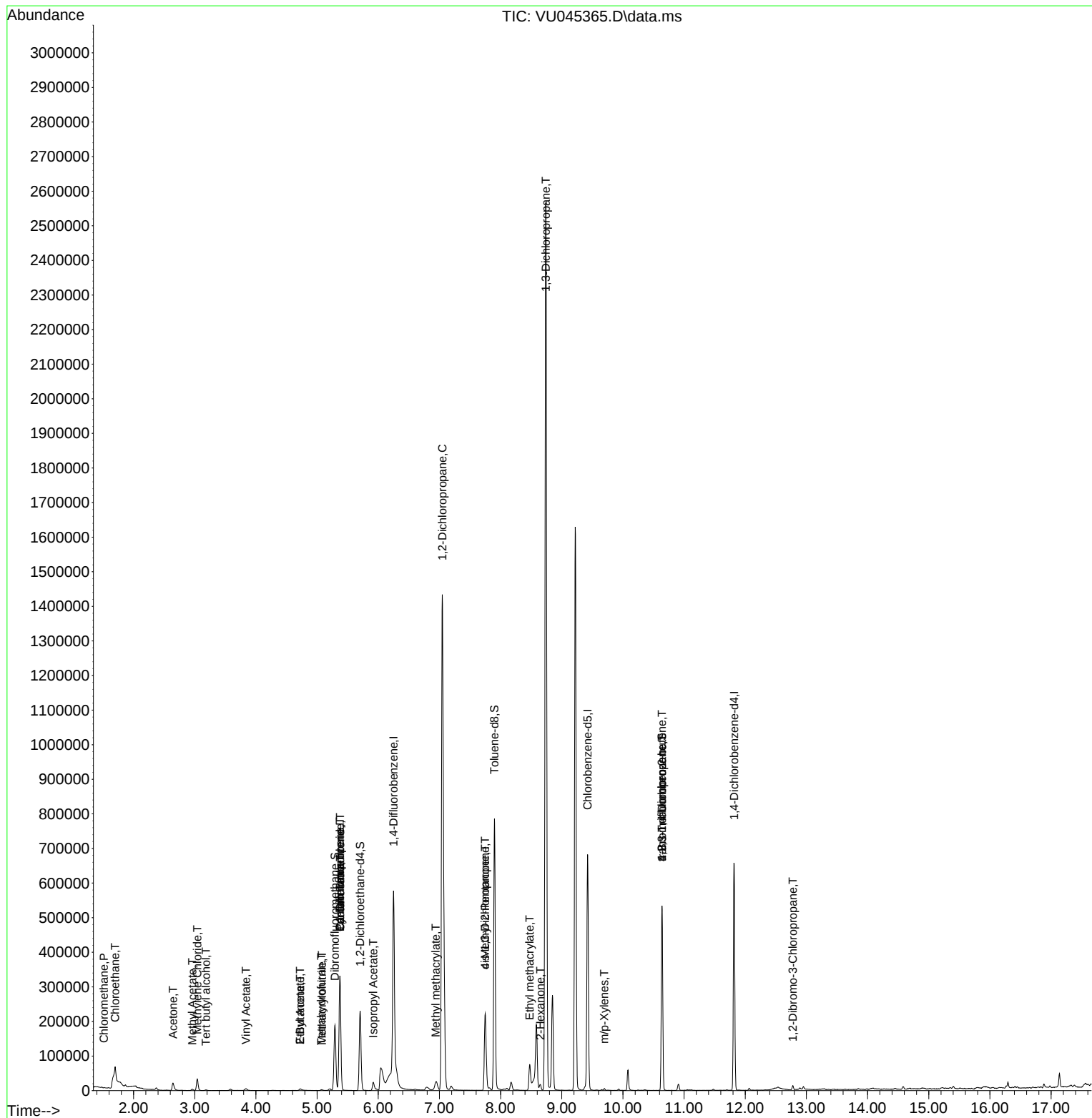
Internal Standards						
1) Pentafluorobenzene	5.375	168	221904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	417499	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	382381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	161729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	173646	47.009	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.020%		
35) Dibromofluoromethane	5.292	113	127279	48.327	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.660%		
50) Toluene-d8	7.899	98	516350	49.619	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.240%		
62) 4-Bromofluorobenzene	10.639	95	185248	43.118	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.240%		
Target Compounds						Qvalue
3) Chloromethane	1.517	50	855	0.240	ug/l	98
6) Chloroethane	1.700	64	151569	55.516	ug/l #	51
11) Tert butyl alcohol	3.182	59	1218	1.149	ug/l #	72
16) Acetone	2.646	43	32786	14.953	ug/l	95
18) Methyl Acetate	2.961	43	5655	0.882	ug/l	93
20) Methylene Chloride	3.041	84	16460	4.984	ug/l	95
23) Vinyl Acetate	3.838	43	2117	0.262	ug/l #	72
25) 2-Butanone	4.723	43	10176	3.267	ug/l	99
29) Tetrahydrofuran	5.070	42	1634	0.881	ug/l	96
31) Cyclohexane	5.375	56	5489	0.978	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	21161	4.847	ug/l #	48
37) Ethyl Acetate	4.723	43	10176	1.762	ug/l #	69
38) Carbon Tetrachloride	5.375	117	22550	5.969	ug/l #	15
41) Methacrylonitrile	5.080	41	991	0.333	ug/l #	39
43) Isopropyl Acetate	5.919	43	31504	3.625	ug/l	98
45) 1,2-Dichloropropane	7.050	63	2100	0.609	ug/l #	45
48) Methyl methacrylate	6.941	41	10748	2.541	ug/l #	14
49) 1,4-Dioxane	7.044	88	168	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.748	43	104913	16.582	ug/l #	45
54) cis-1,3-Dichloropropene	7.748	75	52569	9.787	ug/l #	56
56) Ethyl methacrylate	8.478	69	157	1.844	ug/l #	1
57) 1,3-Dichloropropane	8.739	76	31153	5.148	ug/l #	43
59) 2-Hexanone	8.648	43	16859	3.272	ug/l #	23
68) m/p-Xylenes	9.697	106	1541	0.269	ug/l	87
76) 1,2,3-Trichloropropane	10.639	75	98267	20.831	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.639	75	98267	57.810	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	12.780	75	461	0.375	ug/l #	36

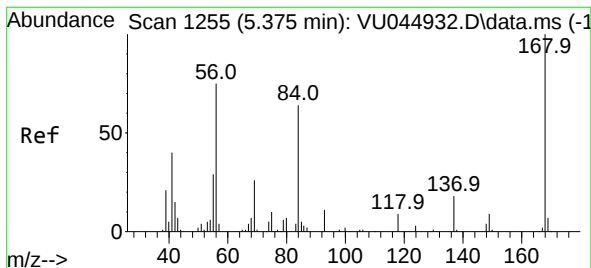
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU045365.D
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Misc : 5.0mL/MSVOA_U/WATER
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Instrument :
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Quant Time: Oct 23 01:12:37 2021
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Quant Title : SW846 8260
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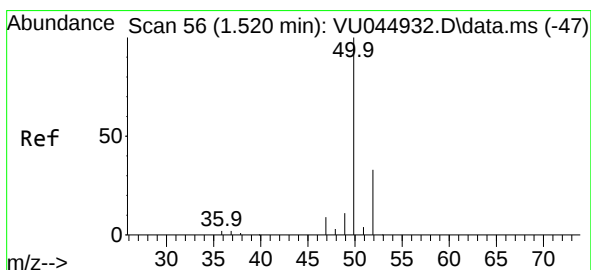
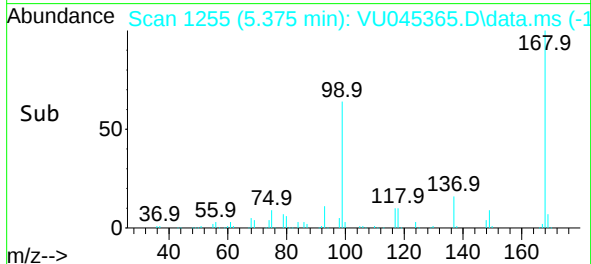
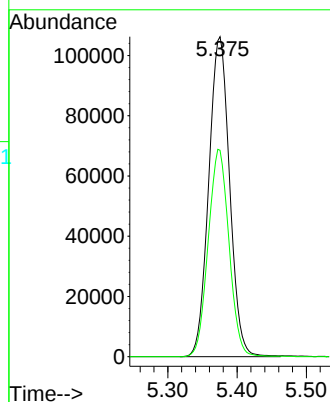
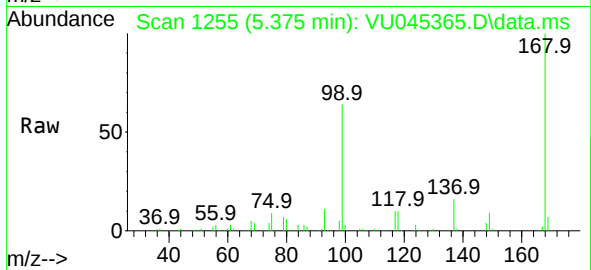




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

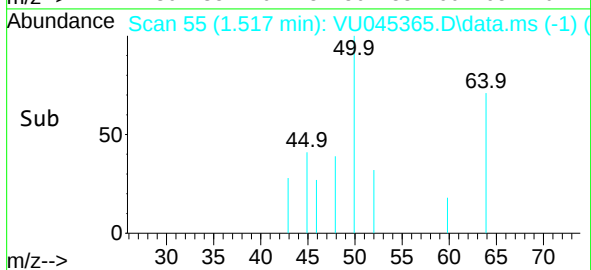
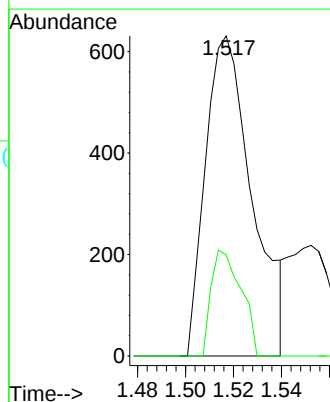
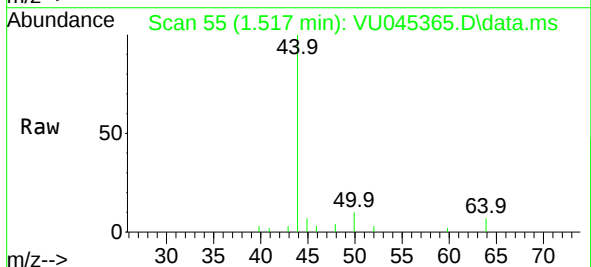
Instrument :
MSVOA_U
ClientSampleId :

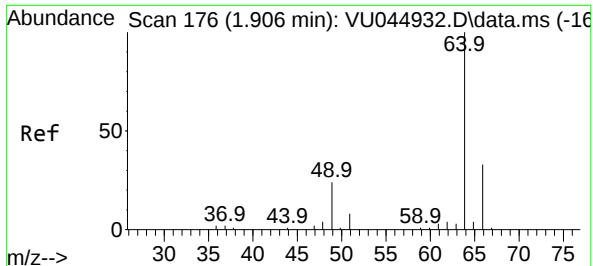
Tgt Ion:168 Resp: 221904
Ion Ratio Lower Upper
168 100
99 64.5 51.4 77.0



#3
Chloromethane
Concen: 0.240 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

Tgt Ion: 50 Resp: 855
Ion Ratio Lower Upper
50 100
52 31.5 26.3 39.5

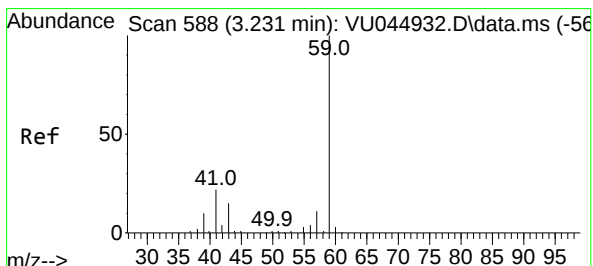
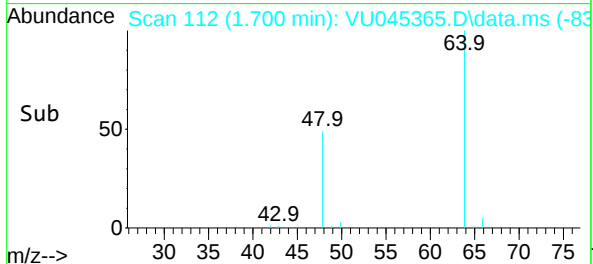
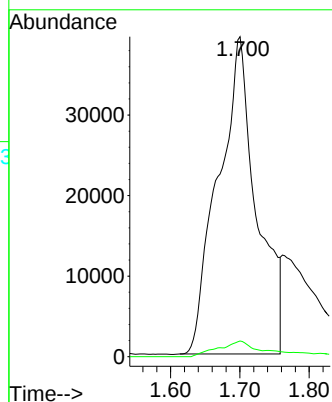
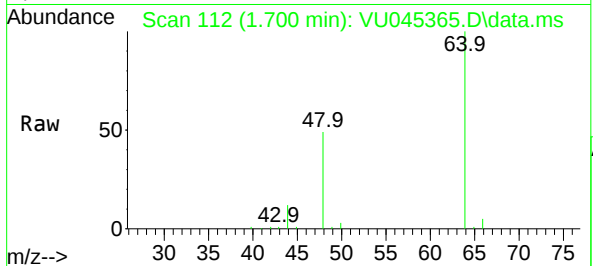




#6
Chloroethane
Concen: 55.516 ug/l
RT: 1.700 min Scan# 112
Delta R.T. -0.206 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

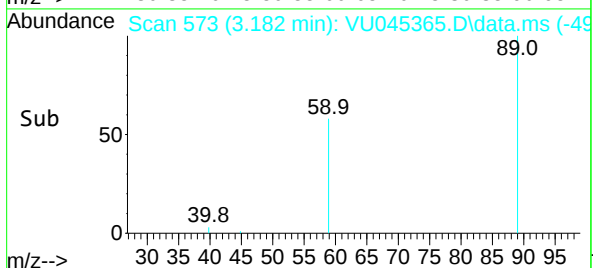
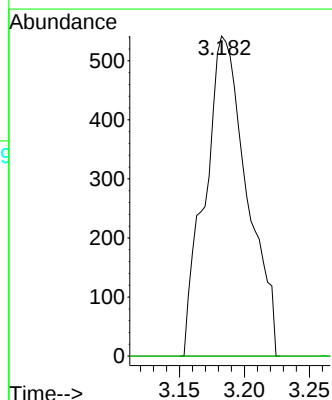
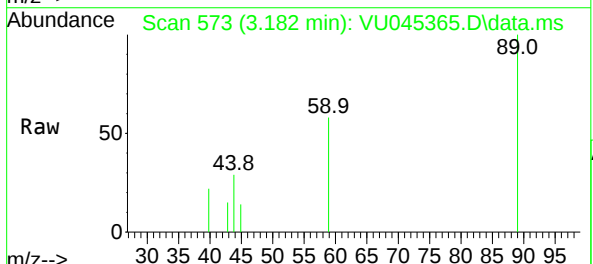
Instrument :
MSVOA_U
ClientSampleId :

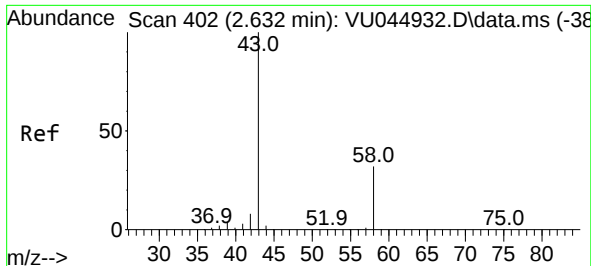
Tgt Ion: 64 Resp: 151569
Ion Ratio Lower Upper
64 100
66 4.9 25.8 38.8#



#11
Tert butyl alcohol
Concen: 1.149 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.049 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

Tgt Ion: 59 Resp: 1218
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

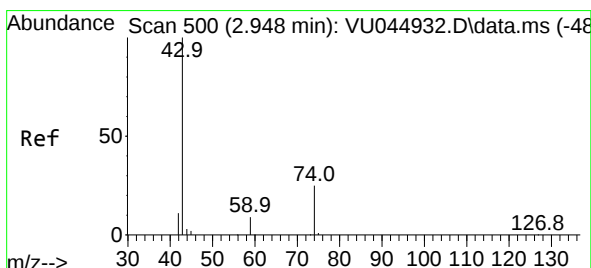
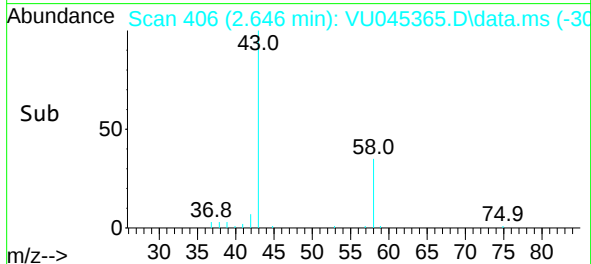
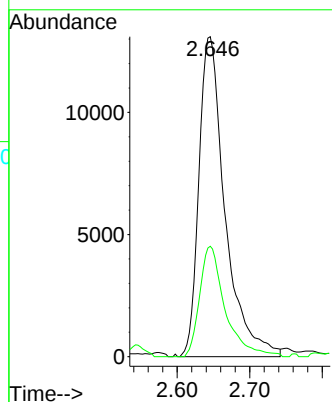
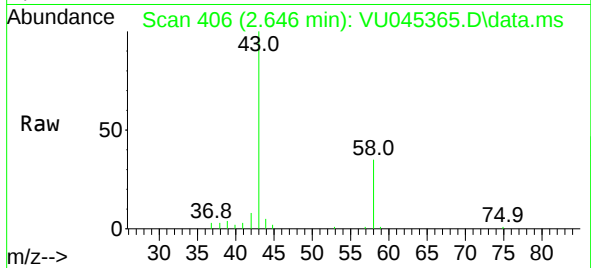




#16
Acetone
Concen: 14.953 ug/l
RT: 2.646 min Scan# 406
Delta R.T. 0.014 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

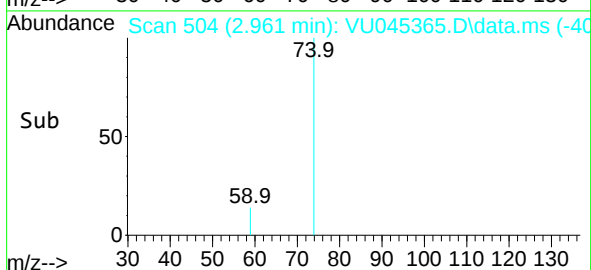
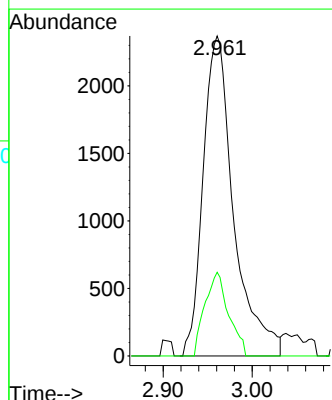
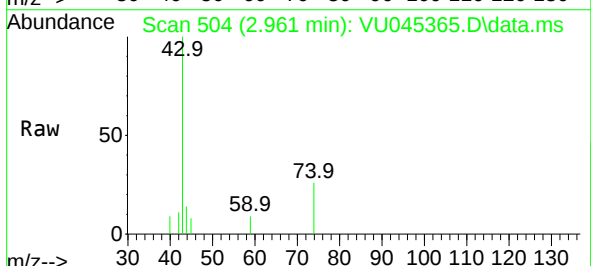
Instrument :
MSVOA_U
ClientSampled :

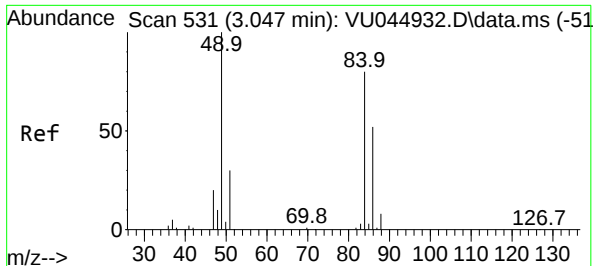
Tgt Ion: 43 Resp: 32786
Ion Ratio Lower Upper
43 100
58 34.5 25.2 37.8



#18
Methyl Acetate
Concen: 0.882 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.013 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

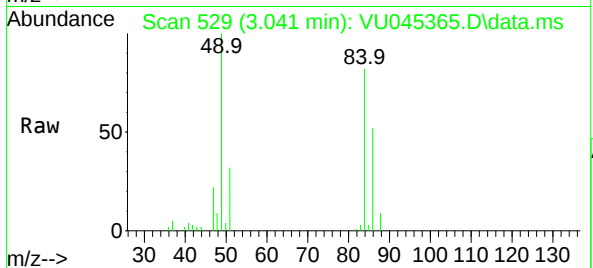
Tgt Ion: 43 Resp: 5655
Ion Ratio Lower Upper
43 100
74 20.2 19.0 28.6



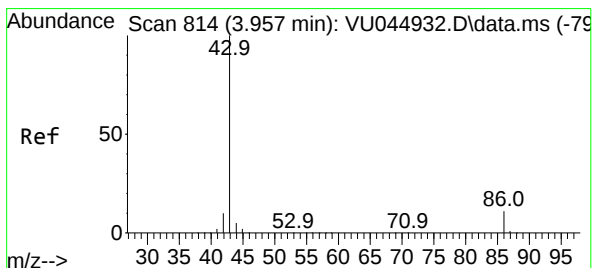
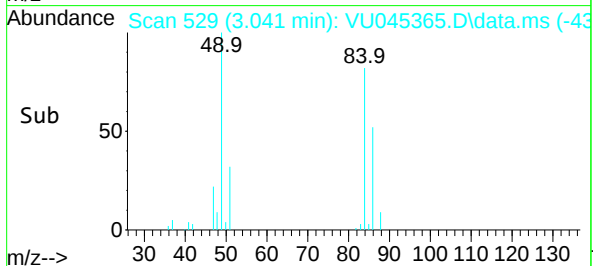
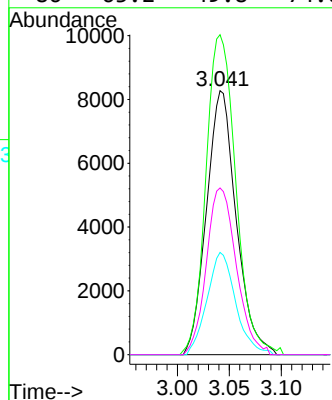


#20
Methylene Chloride
Concen: 4.984 ug/l
RT: 3.041 min Scan# 529
Delta R.T. -0.006 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

Instrument :
MSVOA_U
ClientSampleId :

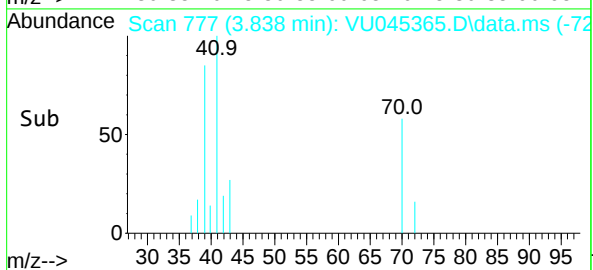
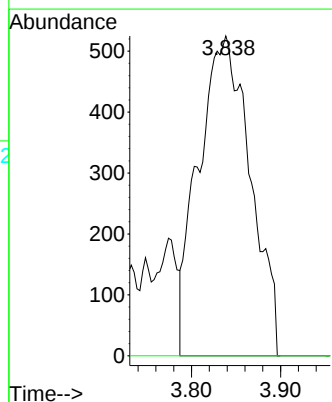
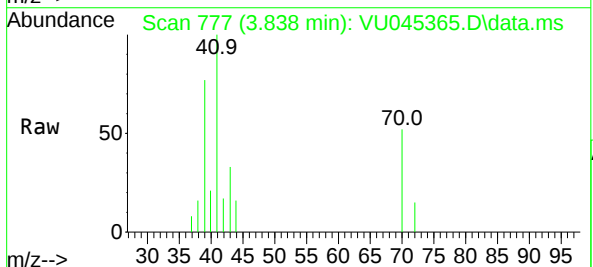


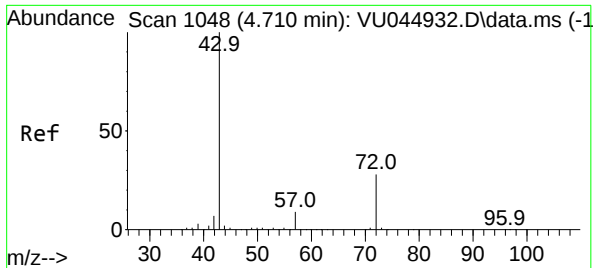
Tgt Ion:	84	Resp:	16460
Ion	Ratio	Lower	Upper
84	100		
49	121.2	104.9	157.3
51	38.7	31.8	47.8
86	63.2	49.8	74.6



#23
Vinyl Acetate
Concen: 0.262 ug/l
RT: 3.838 min Scan# 777
Delta R.T. -0.119 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

Tgt Ion:	43	Resp:	2117
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#

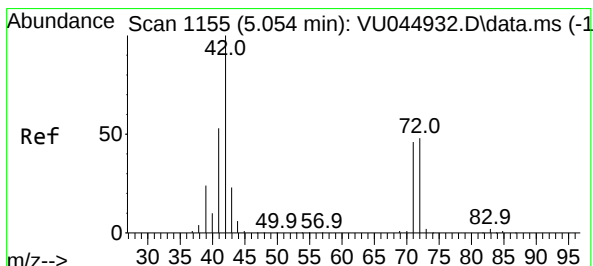
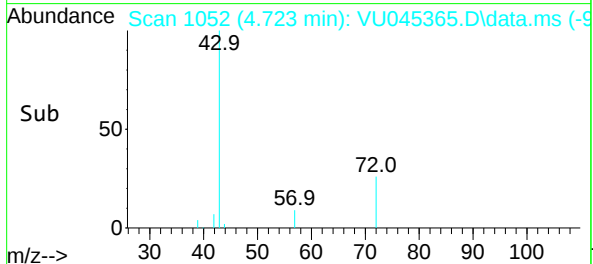
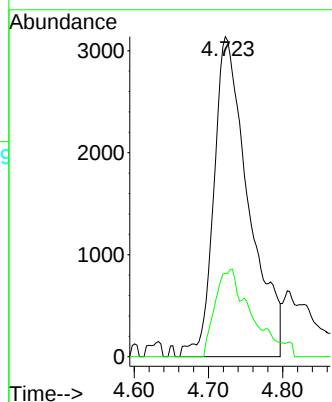
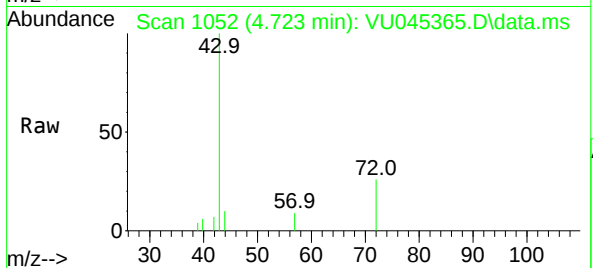




#25
2-Butanone
Concen: 3.267 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.013 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

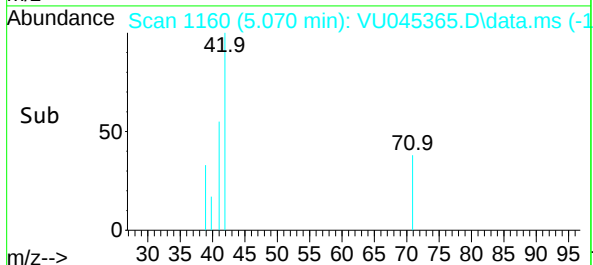
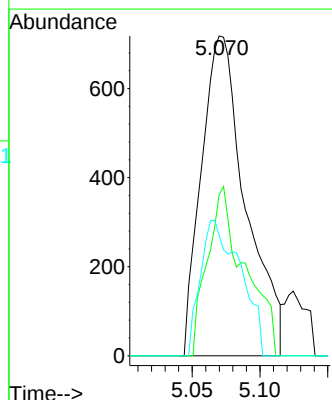
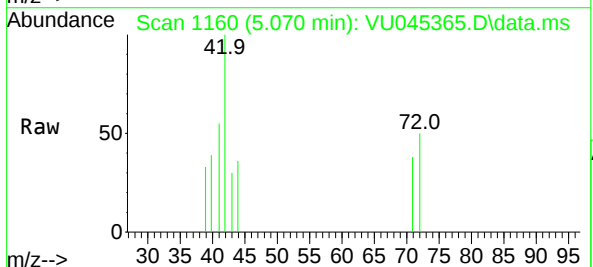
Instrument :
MSVOA_U
ClientSampled :

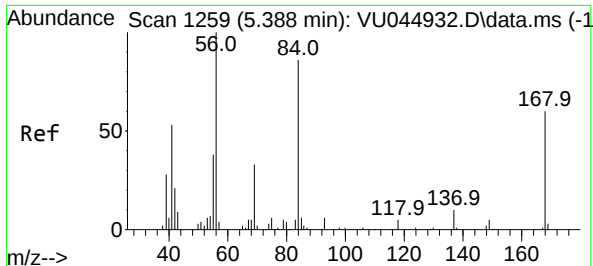
Tgt Ion: 43 Resp: 10176
Ion Ratio Lower Upper
43 100
72 26.1 21.3 31.9



#29
Tetrahydrofuran
Concen: 0.881 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.016 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

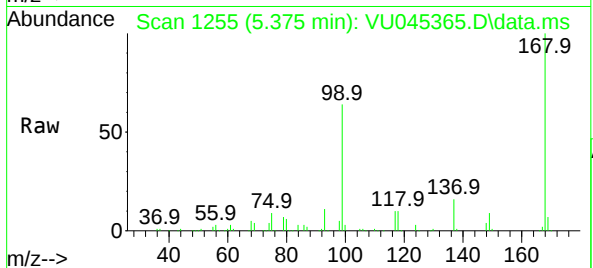
Tgt Ion: 42 Resp: 1634
Ion Ratio Lower Upper
42 100
72 44.6 36.2 54.4
71 38.1 34.1 51.1



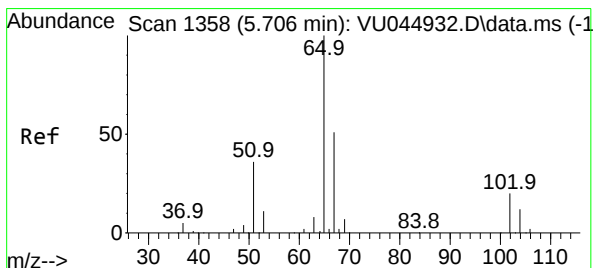
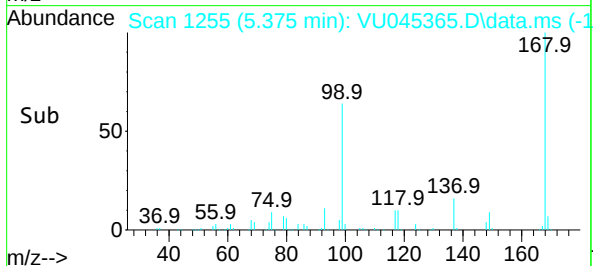
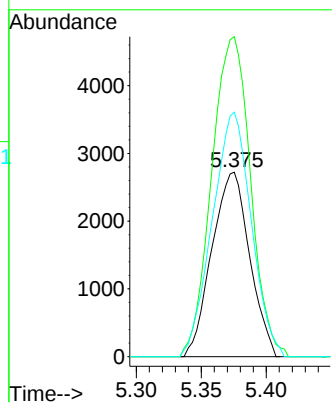


#31
Cyclohexane
Concen: 0.978 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.013 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

Instrument :
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ClientSampleId :

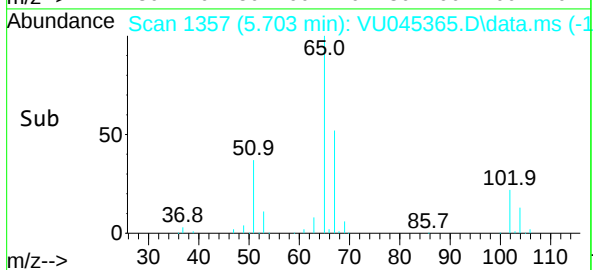
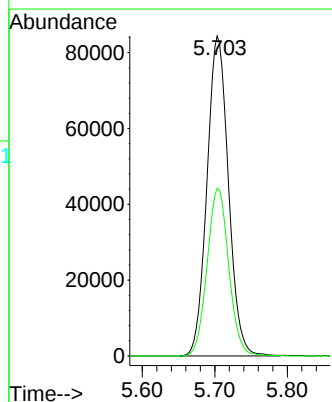
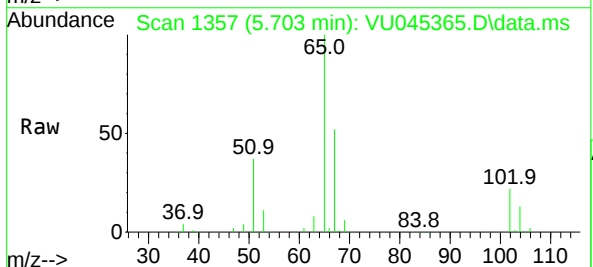


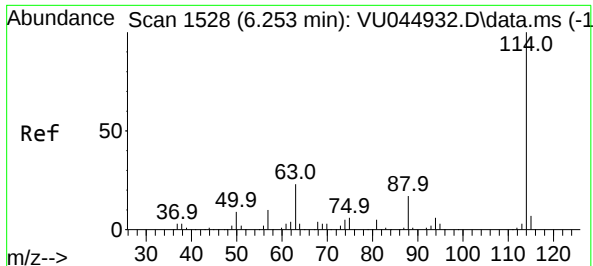
Tgt Ion: 56 Resp: 5489
Ion Ratio Lower Upper
56 100
69 173.5 25.2 37.8#
84 132.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 47.009 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

Tgt Ion: 65 Resp: 173646
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.8

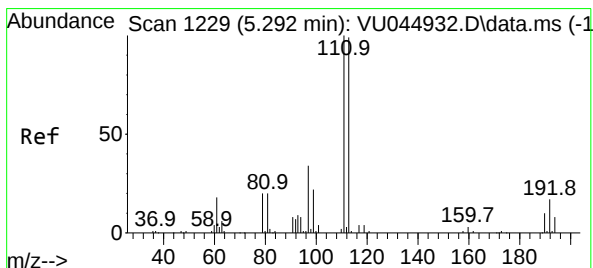
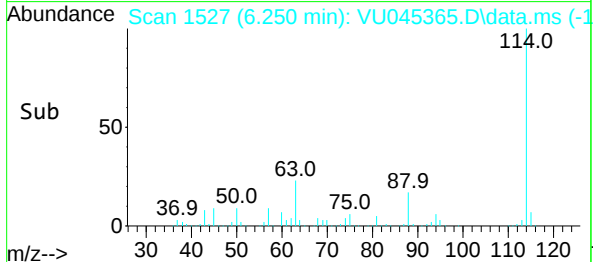
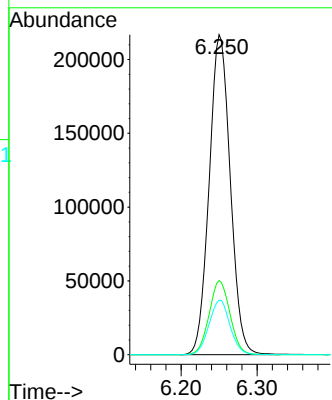
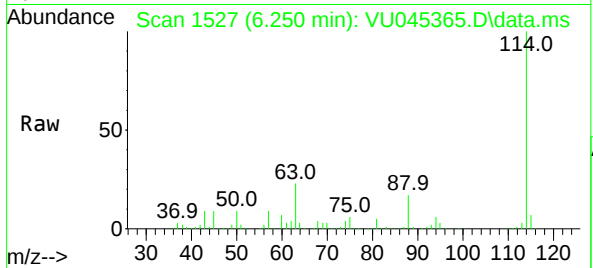




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.250 min Scan# 1527
Delta R.T. -0.003 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

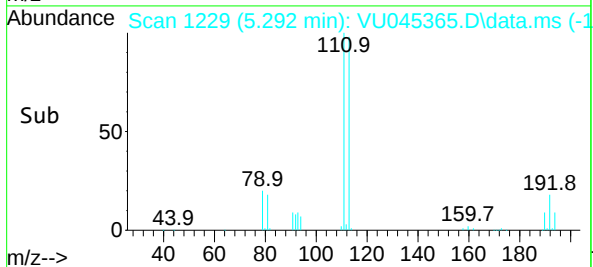
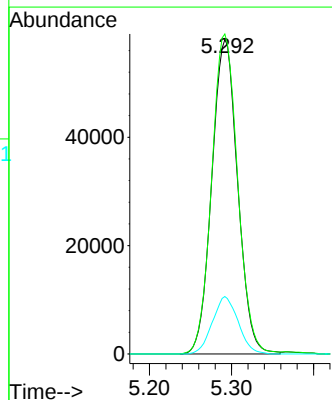
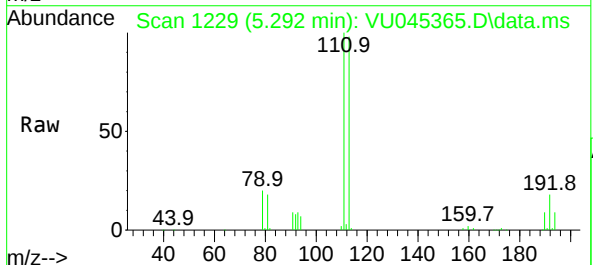
Instrument :
MSVOA_U
ClientSampled :

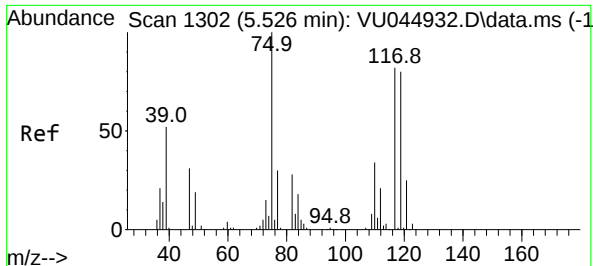
Tgt Ion:114 Resp: 417499
Ion Ratio Lower Upper
114 100
63 23.1 0.0 47.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.327 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

Tgt Ion:113 Resp: 127279
Ion Ratio Lower Upper
113 100
111 102.2 84.1 126.1
192 18.2 14.8 22.2

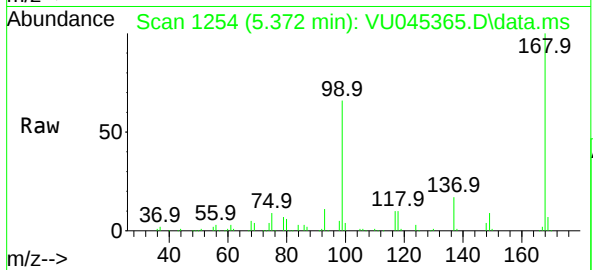




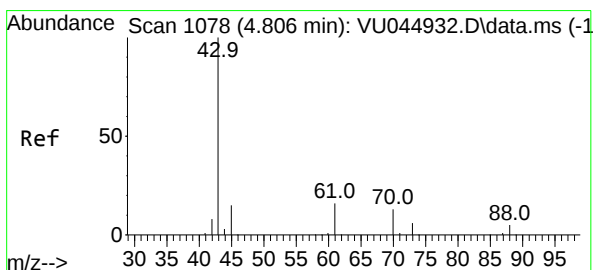
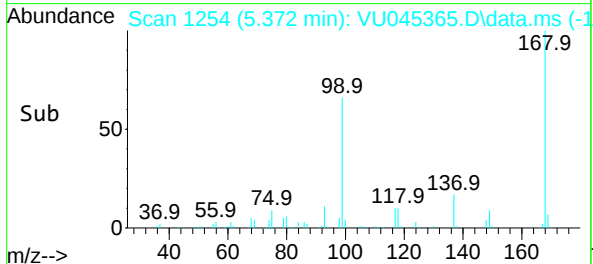
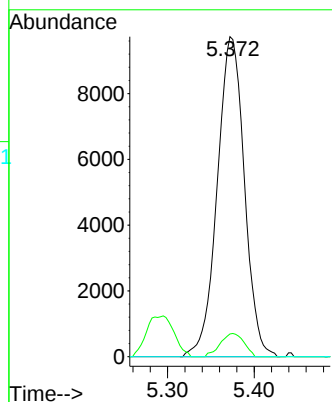
#36

1,1-Dichloropropene
Concen: 4.847 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

Instrument :
MSVOA_U
ClientSampled :



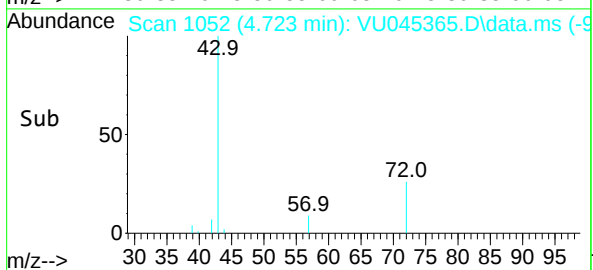
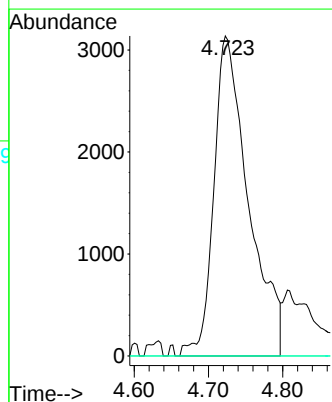
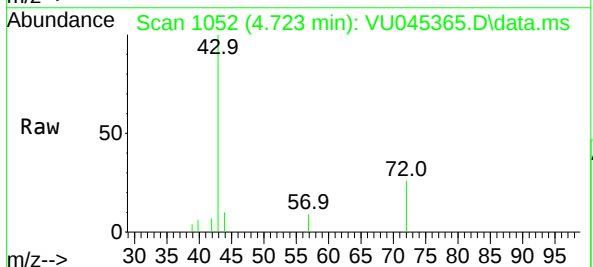
Tgt Ion:	75	Resp:	21161
Ion	Ratio	Lower	Upper
75	100		
110	6.3	16.3	48.9#
77	0.0	25.0	37.4#

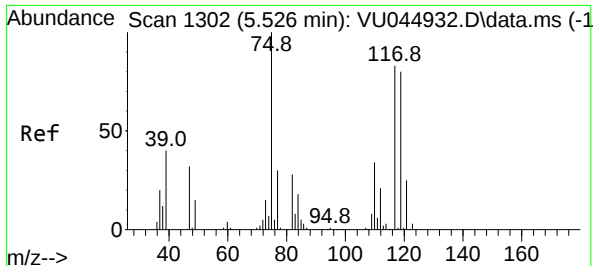


#37

Ethyl Acetate
Concen: 1.762 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. -0.083 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

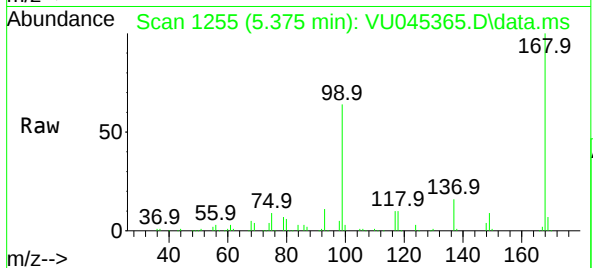
Tgt Ion:	43	Resp:	10176
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#



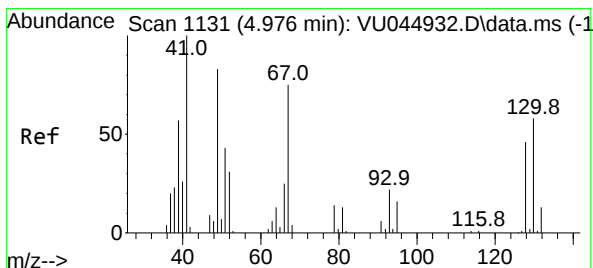
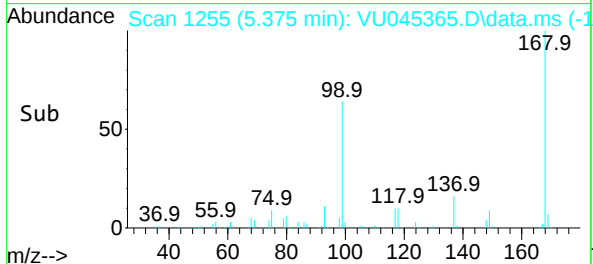
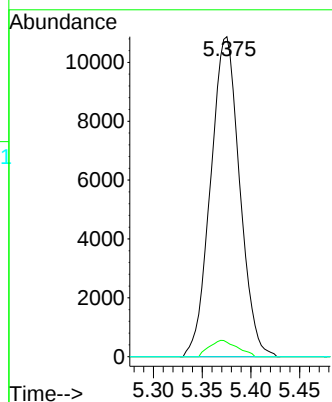


#38
Carbon Tetrachloride
Concen: 5.969 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

Instrument :
MSVOA_U
ClientSampleId :

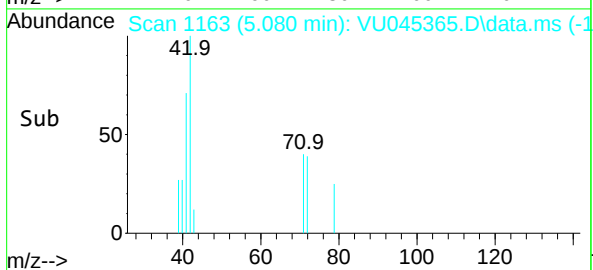
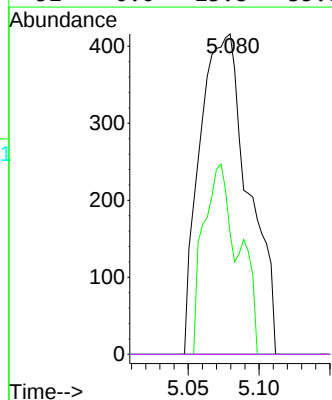
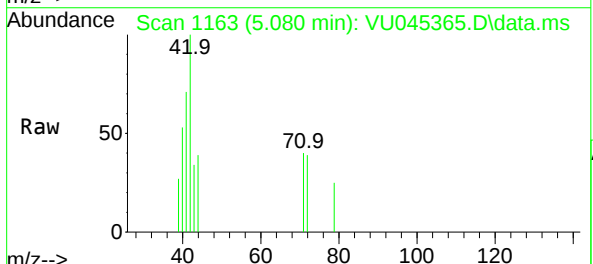


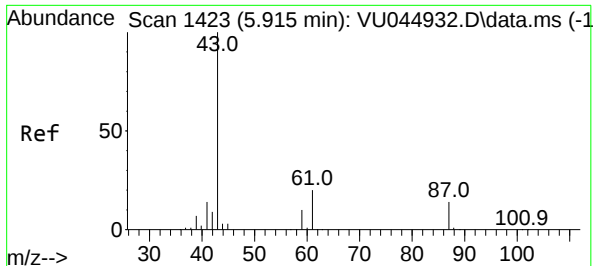
Tgt Ion:117 Resp: 22550
Ion Ratio Lower Upper
117 100
119 4.5 77.4 116.2#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 0.333 ug/l
RT: 5.080 min Scan# 1163
Delta R.T. 0.104 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

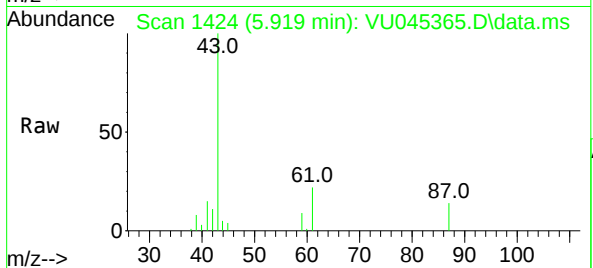
Tgt Ion: 41 Resp: 991
Ion Ratio Lower Upper
41 100
39 32.6 44.4 66.6#
67 0.0 58.1 87.1#
52 0.0 23.8 35.8#



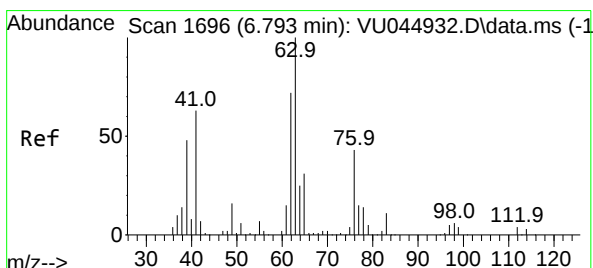
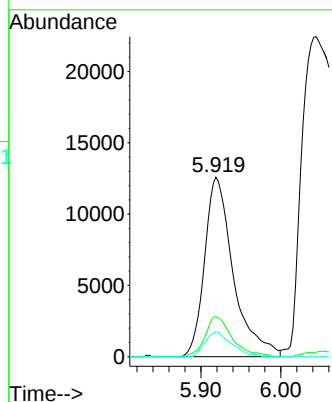
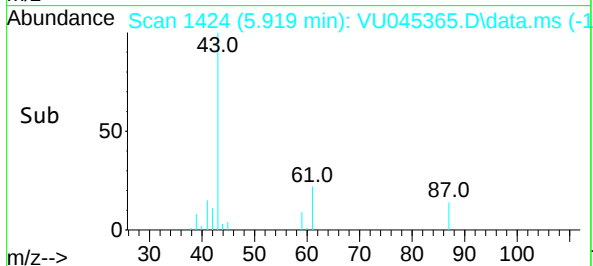


#43
Isopropyl Acetate
Concen: 3.625 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. 0.004 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

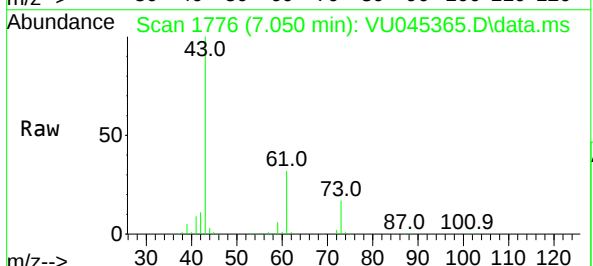
Instrument :
MSVOA_U
ClientSampled :



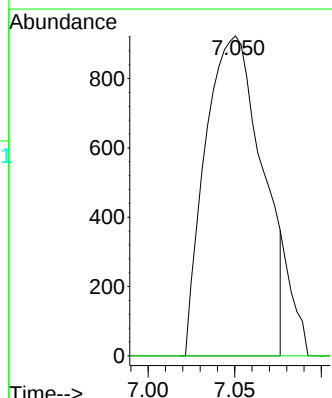
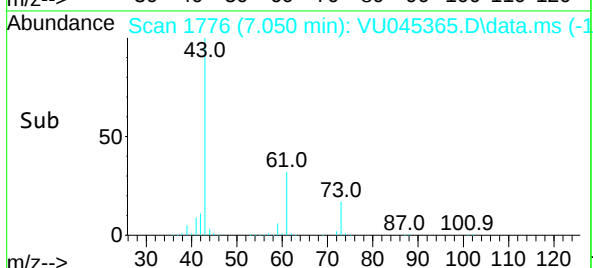
Tgt Ion: 43 Resp: 31504
Ion Ratio Lower Upper
43 100
61 21.0 16.1 24.1
87 12.5 10.3 15.5

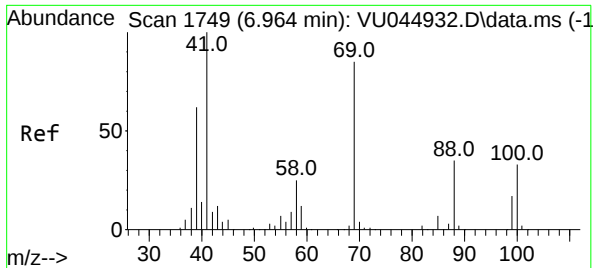


#45
1,2-Dichloropropane
Concen: 0.609 ug/l
RT: 7.050 min Scan# 1776
Delta R.T. 0.257 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24



Tgt Ion: 63 Resp: 2100
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

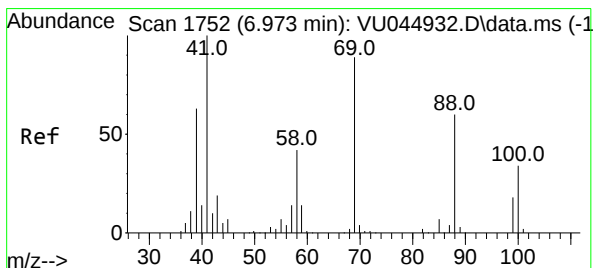
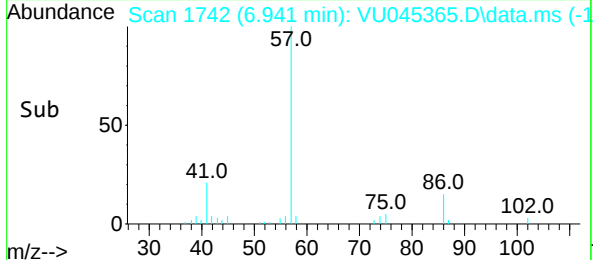
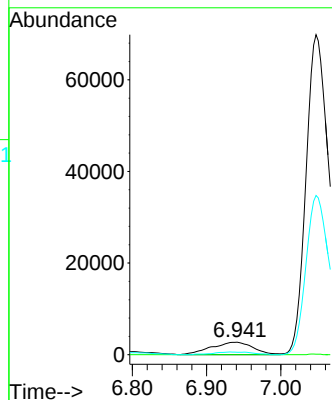
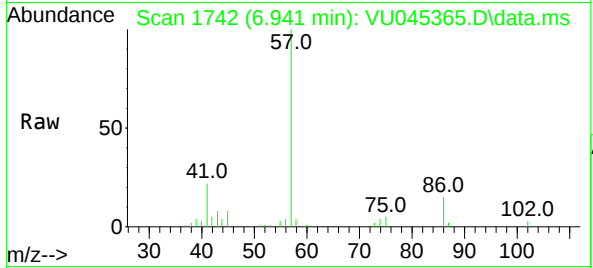




#48
Methyl methacrylate
Concen: 2.541 ug/l
RT: 6.941 min Scan# 1742
Delta R.T. -0.023 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

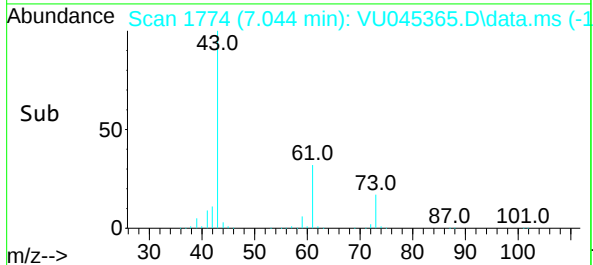
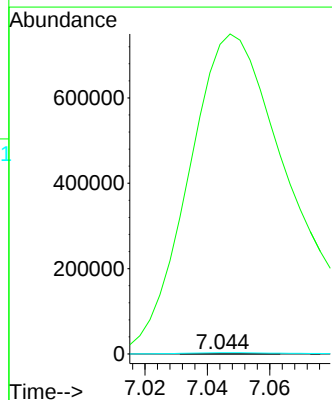
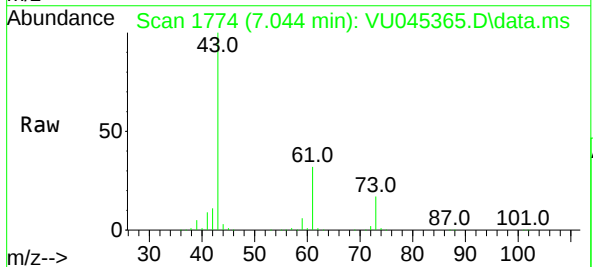
Instrument :
MSVOA_U
ClientSampleId :

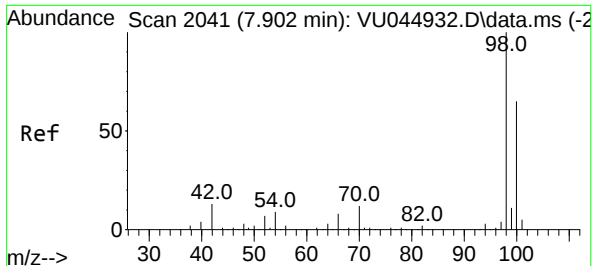
Tgt Ion: 41 Resp: 10748
Ion Ratio Lower Upper
41 100
69 0.0 65.6 98.4#
39 0.0 46.2 69.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.044 min Scan# 1774
Delta R.T. 0.071 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

Tgt Ion: 88 Resp: 168
Ion Ratio Lower Upper
88 100
43 1050523.8 25.8 38.6#
58 4164.3 61.3 91.9#

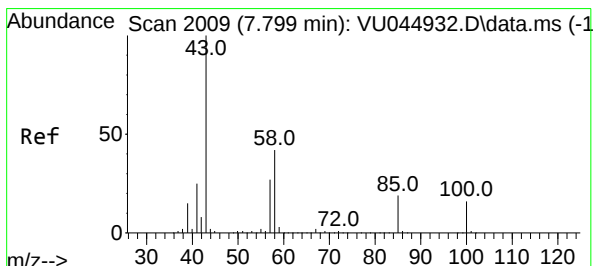
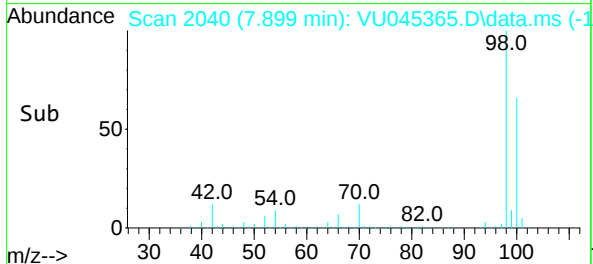
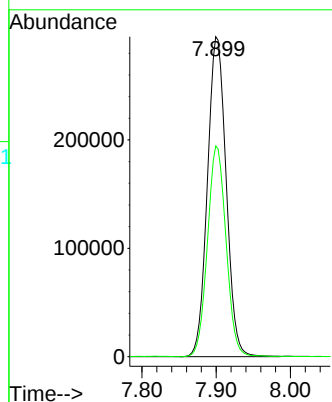
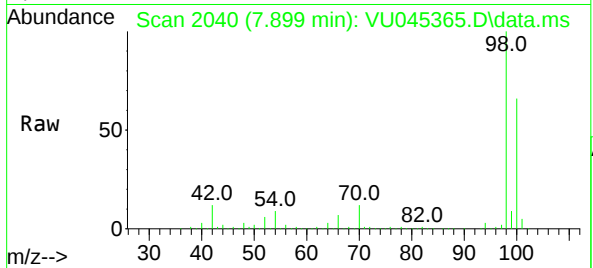




#50
Toluene-d8
Concen: 49.619 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

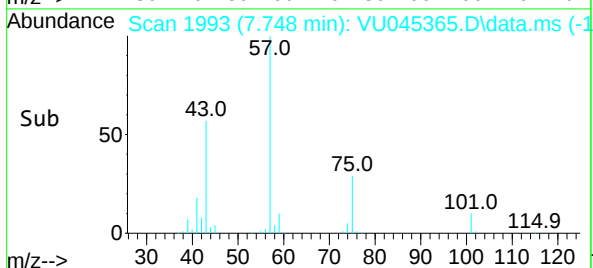
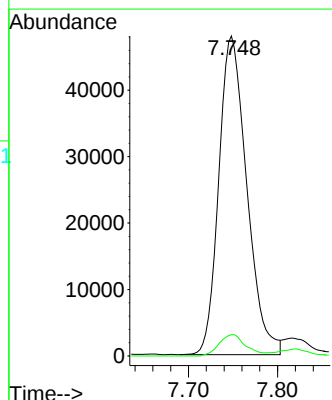
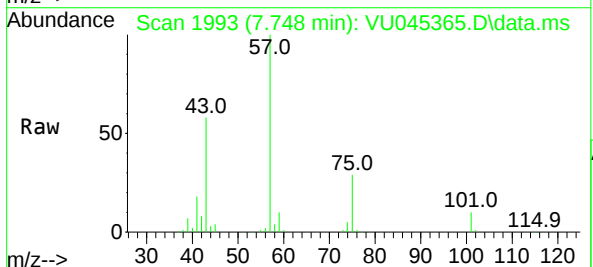
Instrument :
MSVOA_U
ClientSampled :

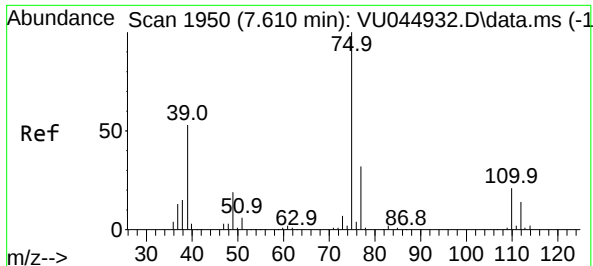
Tgt Ion: 98 Resp: 516350
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 16.582 ug/l
RT: 7.748 min Scan# 1993
Delta R.T. -0.051 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

Tgt Ion: 43 Resp: 104913
Ion Ratio Lower Upper
43 100
58 6.4 32.4 48.6#

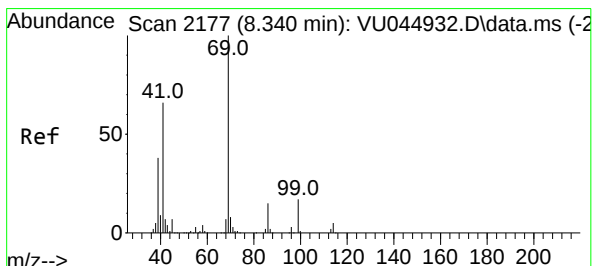
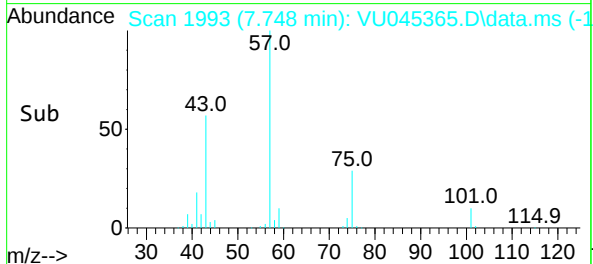
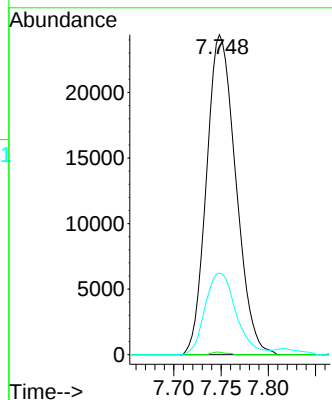
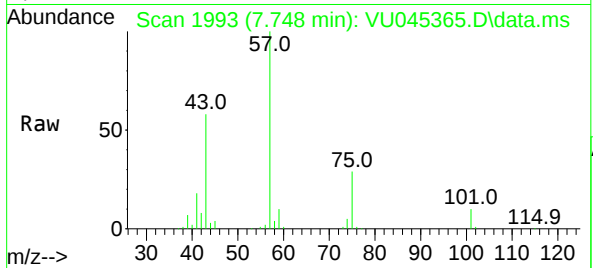




#54
 cis-1,3-Dichloropropene
 Concen: 9.787 ug/l
 RT: 7.748 min Scan# 1993
 Delta R.T. 0.138 min
 Lab File: VU045365.D
 Acq: 22 Oct 2021 15:24

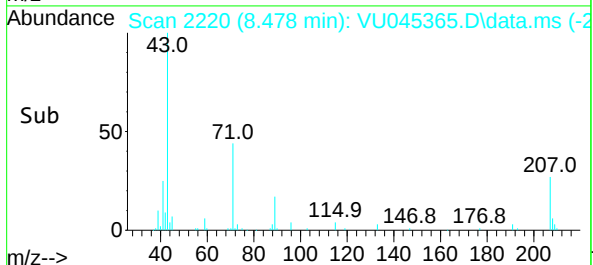
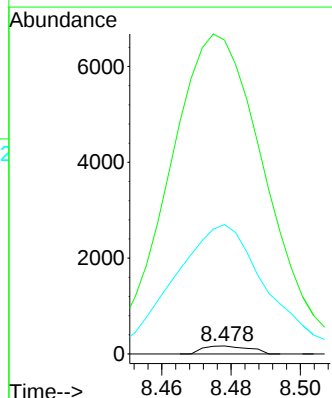
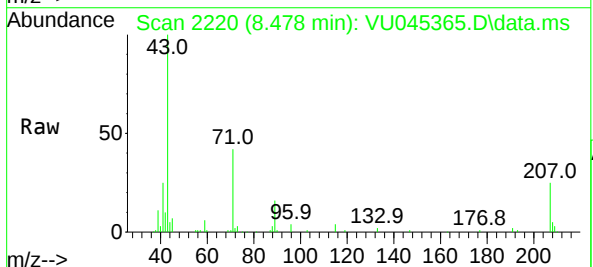
Instrument :
 MSVOA_U
 ClientSampled :

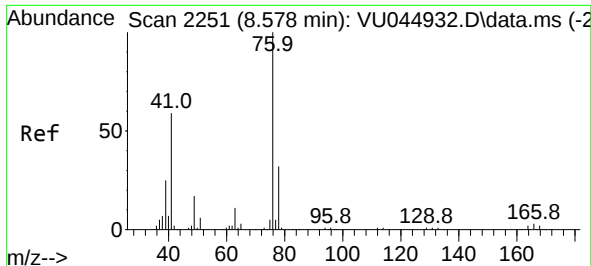
Tgt Ion: 75 Resp: 52569
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.0 37.6#
 39 25.5 41.4 62.2#



#56
 Ethyl methacrylate
 Concen: 1.844 ug/l
 RT: 8.478 min Scan# 2220
 Delta R.T. 0.138 min
 Lab File: VU045365.D
 Acq: 22 Oct 2021 15:24

Tgt Ion: 69 Resp: 157
 Ion Ratio Lower Upper
 69 100
 41 8419.1 53.5 80.3#
 39 3374.5 31.1 46.7#



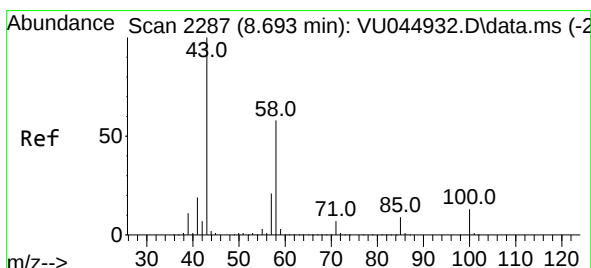
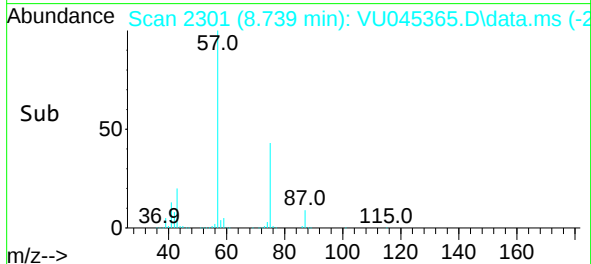
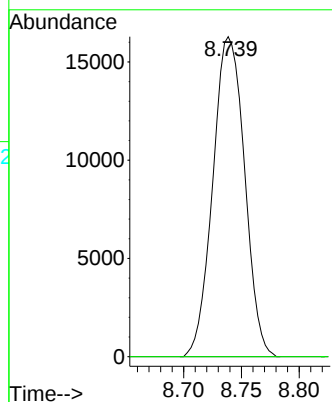
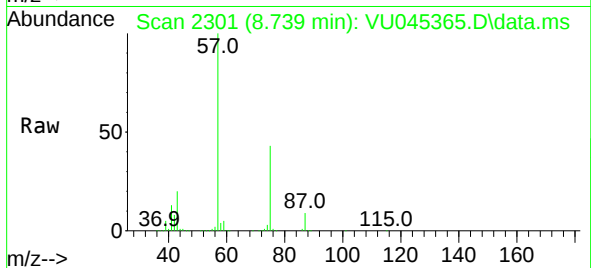


#57

1,3-Dichloropropane
Concen: 5.148 ug/l
RT: 8.739 min Scan# 2301
Delta R.T. 0.161 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

Instrument :
MSVOA_U
ClientSampled :

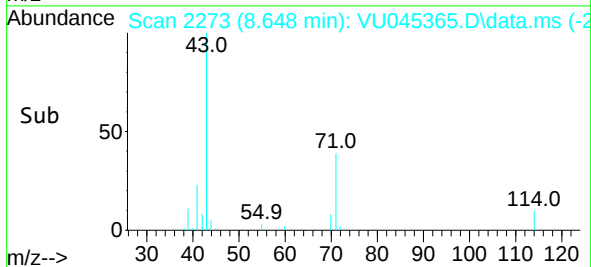
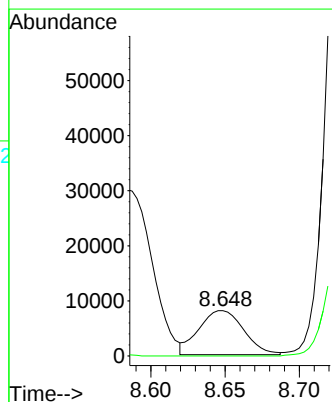
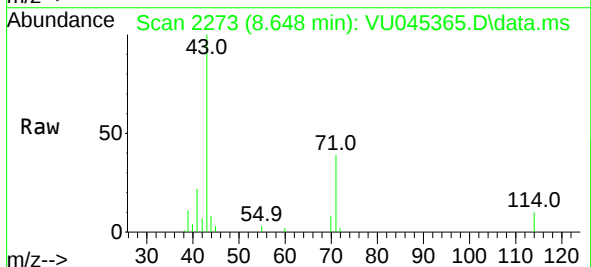
Tgt Ion: 76 Resp: 31153
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

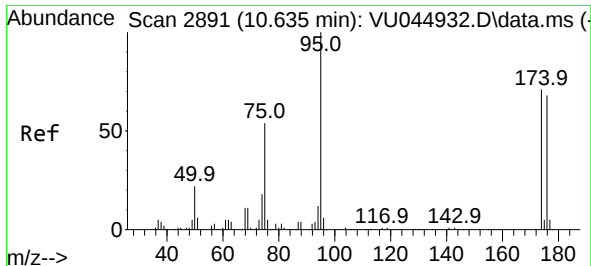


#59

2-Hexanone
Concen: 3.272 ug/l
RT: 8.648 min Scan# 2273
Delta R.T. -0.045 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

Tgt Ion: 43 Resp: 16859
Ion Ratio Lower Upper
43 100
58 0.0 28.0 84.0#

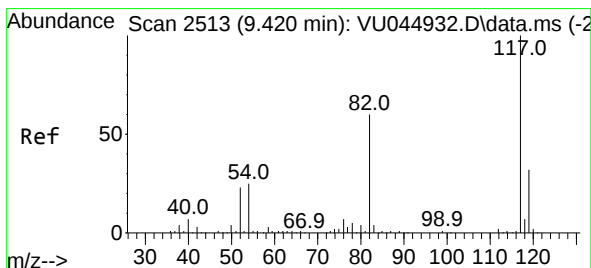
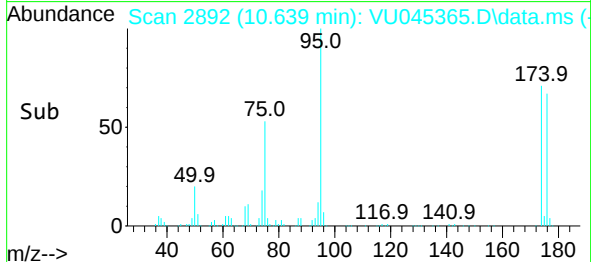
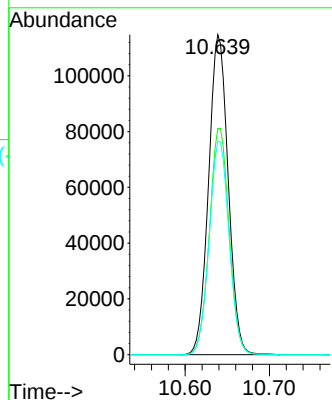
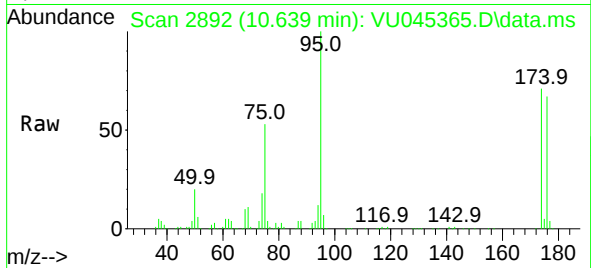




#62
4-Bromofluorobenzene
Concen: 43.118 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.004 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

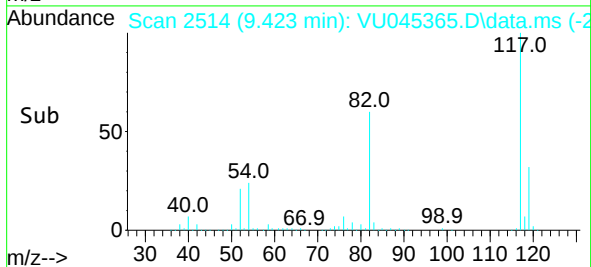
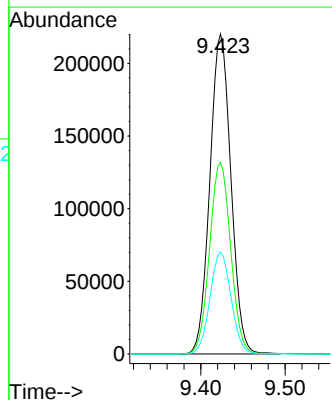
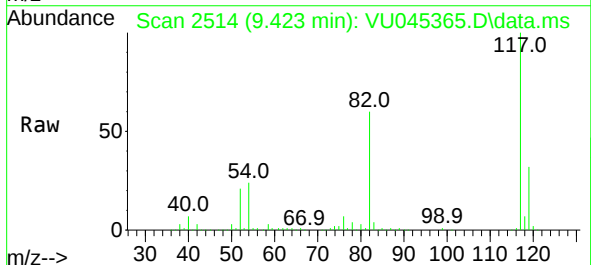
Instrument :
MSVOA_U
ClientSampleId :

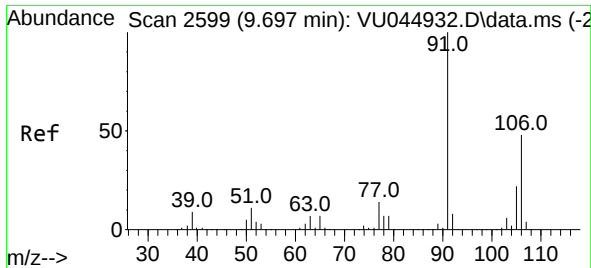
Tgt Ion: 95 Resp: 185248
Ion Ratio Lower Upper
95 100
174 71.4 0.0 146.6
176 67.8 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.003 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

Tgt Ion: 117 Resp: 382381
Ion Ratio Lower Upper
117 100
82 59.8 47.8 71.8
119 31.9 25.8 38.6

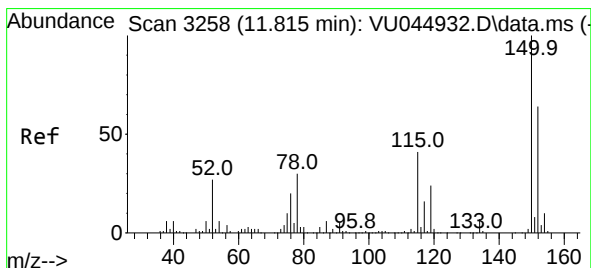
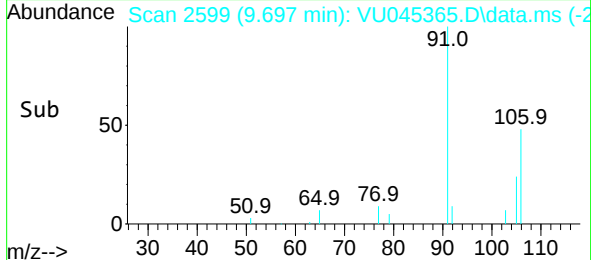
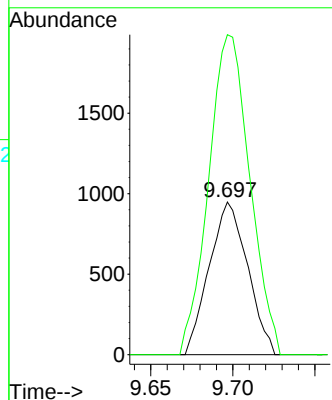
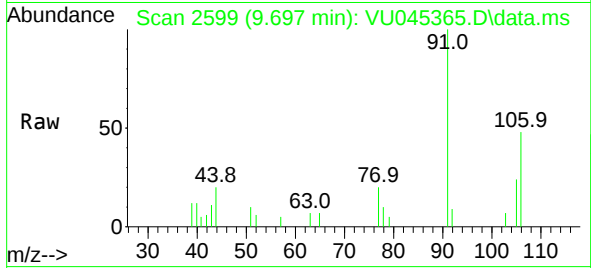




#68
m/p-Xylenes
Concen: 0.269 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

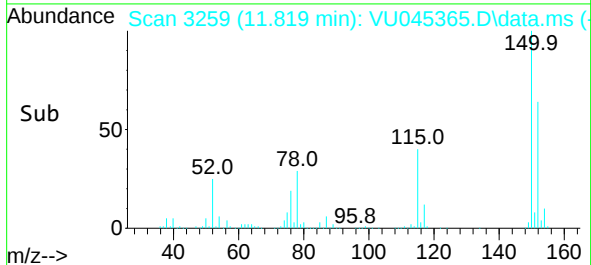
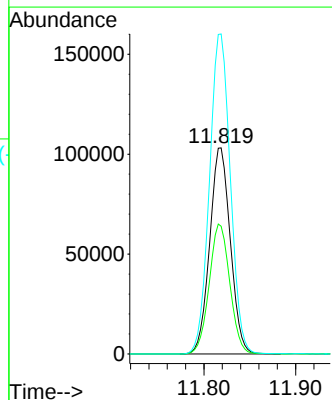
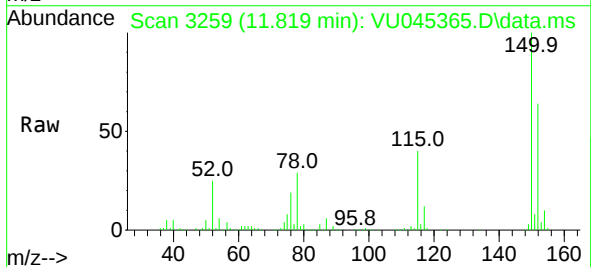
Instrument :
MSVOA_U
ClientSampled :

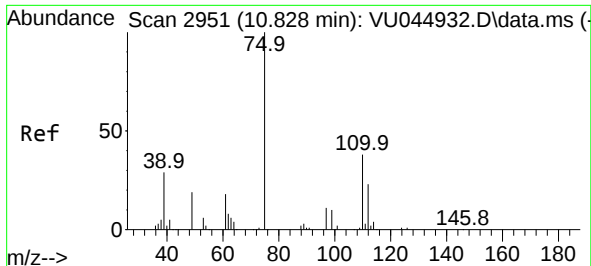
Tgt Ion:106 Resp: 1541
Ion Ratio Lower Upper
106 100
91 225.0 164.2 246.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. 0.004 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

Tgt Ion:152 Resp: 161729
Ion Ratio Lower Upper
152 100
115 63.0 43.5 130.7
150 156.7 0.0 350.0

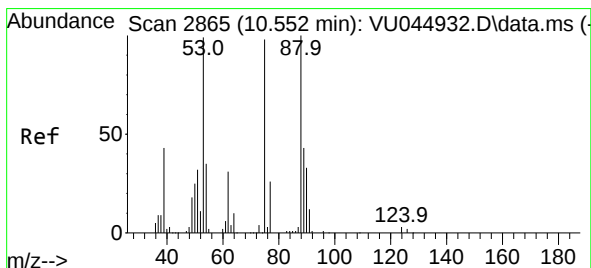
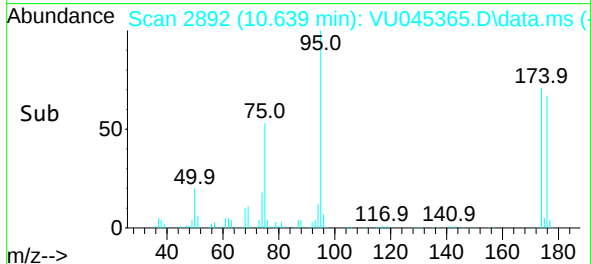
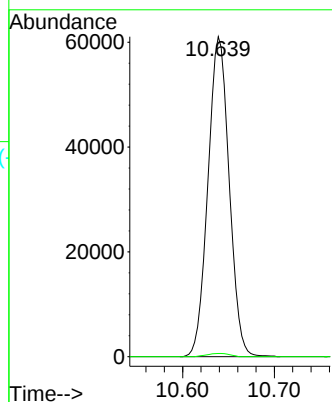
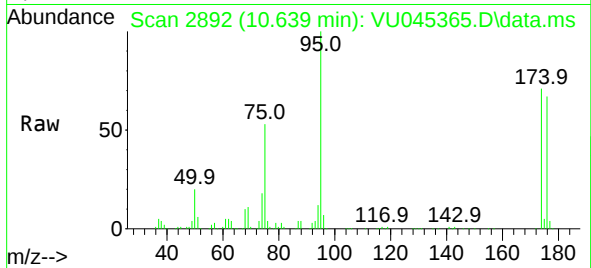




#76
1,2,3-Trichloropropane
Concen: 20.831 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.189 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

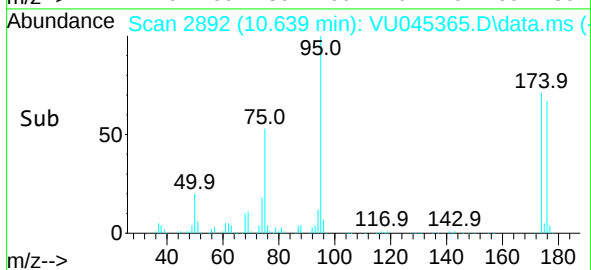
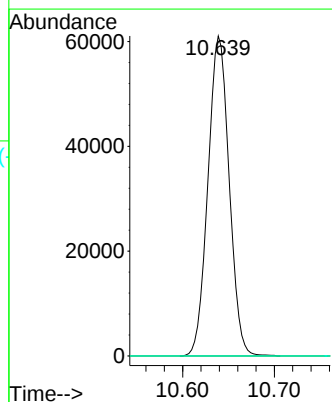
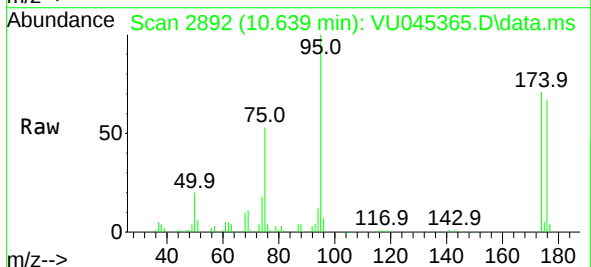
Instrument :
MSVOA_U
ClientSampled :

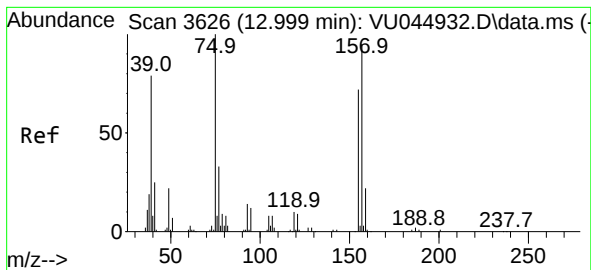
Tgt Ion: 75 Resp: 98267
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.810 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU045365.D
Acq: 22 Oct 2021 15:24

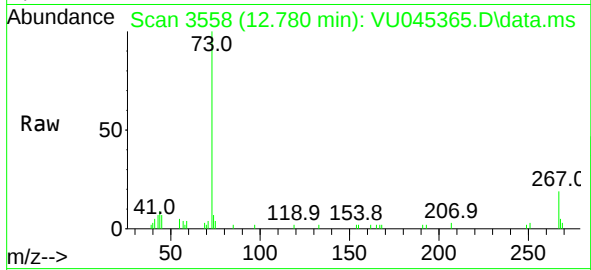
Tgt Ion: 75 Resp: 98267
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.375 ug/l
 RT: 12.780 min Scan# 3558
 Delta R.T. -0.219 min
 Lab File: VU045365.D
 Acq: 22 Oct 2021 15:24

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 461
 Ion Ratio Lower Upper
 75 100
 155 57.7 36.9 110.6
 157 0.0 47.8 143.3#

