

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100121\
 Data File : VU045074.D
 Acq On : 01 Oct 2021 15:38
 Operator : SY/MD
 Sample : M3999-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 02 03:12:00 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)

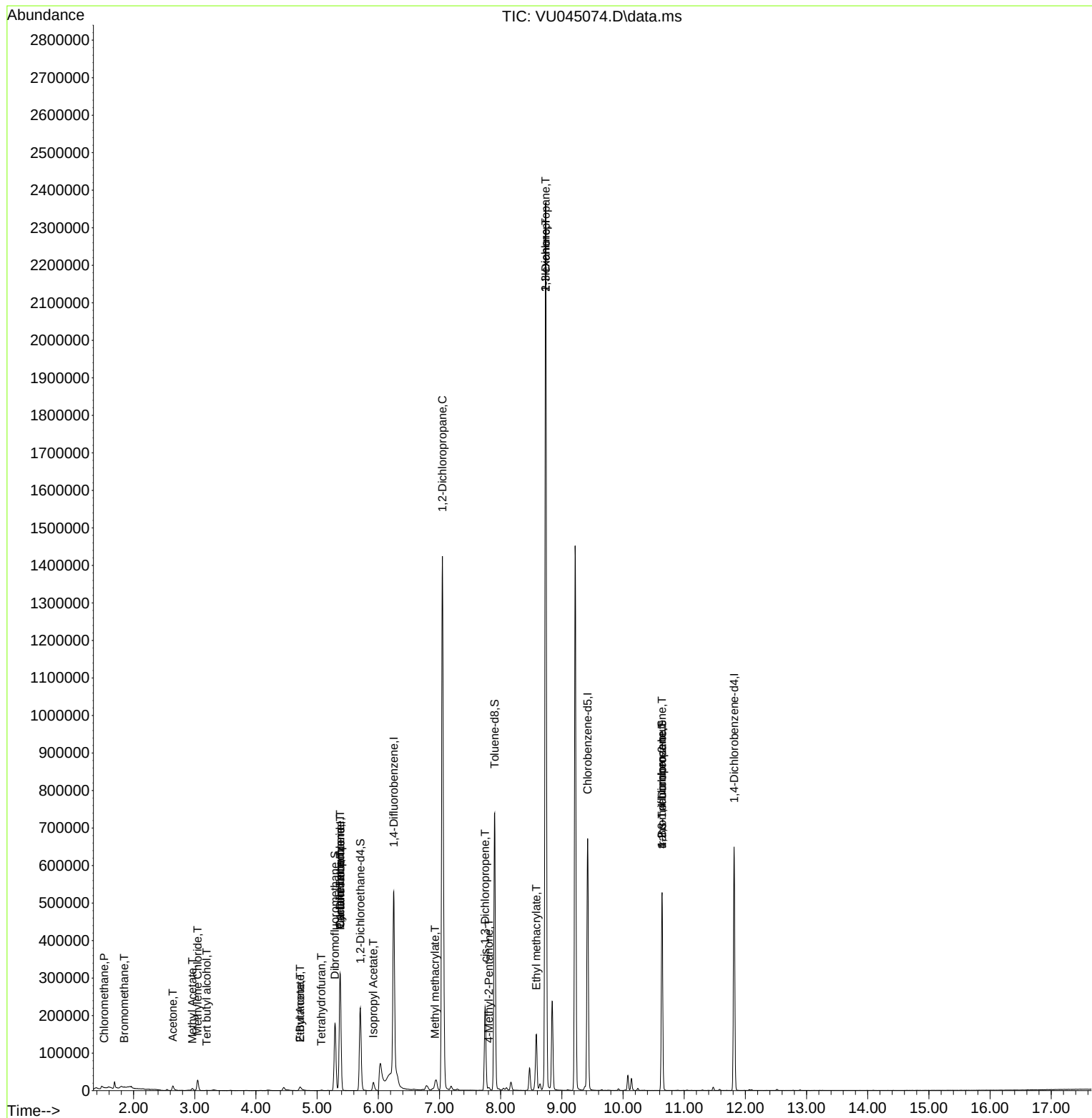
Internal Standards						
1) Pentafluorobenzene	5.378	168	202724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	378016	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	357123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	152990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	166248	49.265	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.520%		
35) Dibromofluoromethane	5.292	113	115209	48.313	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.620%		
50) Toluene-d8	7.902	98	476337	50.555	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.120%		
62) 4-Bromofluorobenzene	10.639	95	177645	45.667	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.340%		
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	877	0.270	ug/l #	88
5) Bromomethane	1.848	94	357	0.280	ug/l	88
11) Tert butyl alcohol	3.195	59	378	0.390	ug/l #	72
16) Acetone	2.642	43	17507	8.740	ug/l	98
18) Methyl Acetate	2.961	43	7282	1.244	ug/l	100
20) Methylene Chloride	3.047	84	13681	4.534	ug/l	93
25) 2-Butanone	4.722	43	20889	7.340	ug/l	94
29) Tetrahydrofuran	5.070	42	1231	0.727	ug/l #	58
31) Cyclohexane	5.375	56	5736	1.119	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	19050	4.819	ug/l #	50
37) Ethyl Acetate	4.722	43	20889	3.994	ug/l #	69
38) Carbon Tetrachloride	5.375	117	21659	6.332	ug/l #	15
43) Isopropyl Acetate	5.919	43	26880	3.416	ug/l	98
45) 1,2-Dichloropropane	7.047	63	2145	0.687	ug/l #	45
48) Methyl methacrylate	6.925	41	10717	2.798	ug/l #	14
49) 1,4-Dioxane	7.047	88	162	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.806	43	5736	1.001	ug/l	94
54) cis-1,3-Dichloropropene	7.745	75	42813	8.803	ug/l #	59
56) Ethyl methacrylate	8.584	69	1014	1.985	ug/l #	1
57) 1,3-Dichloropropane	8.735	76	25582	4.669	ug/l #	43
59) 2-Hexanone	8.735	43	364685	78.173	ug/l #	50
76) 1,2,3-Trichloropropane	10.639	75	94649	21.210	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.639	75	94649	58.862	ug/l #	9

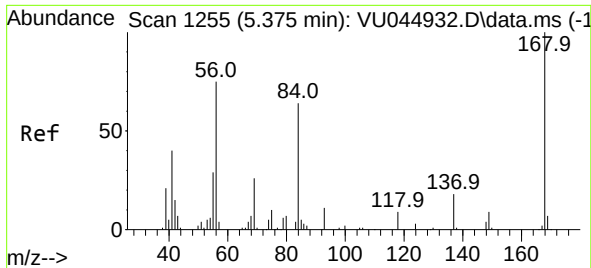
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100121\
Data File : VU045074.D
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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Quant Time: Oct 02 03:12:00 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

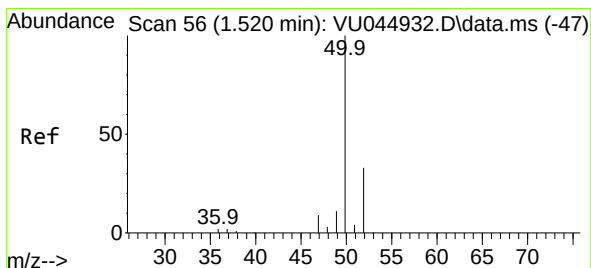
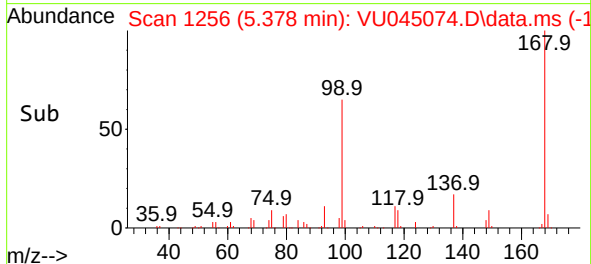
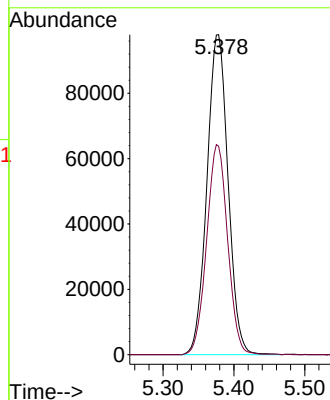
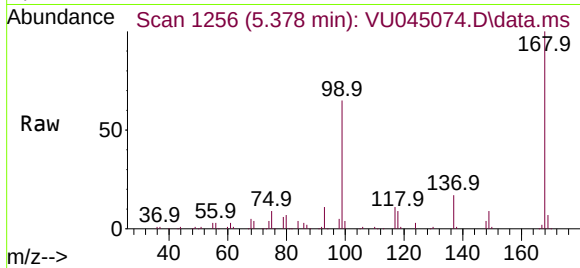




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. 0.003 min
Lab File: VU045074.D
Acq: 01 Oct 2021 15:38

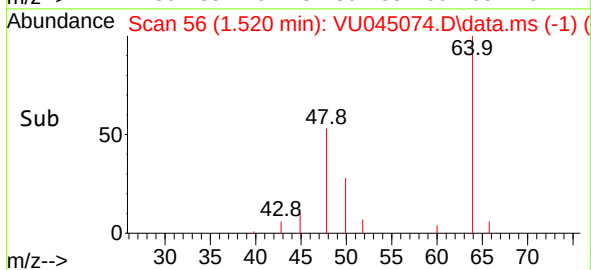
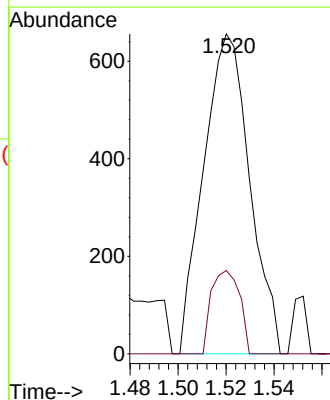
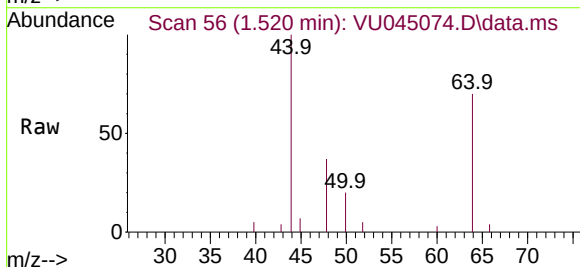
Instrument :
MSVOA_U
ClientSampled :

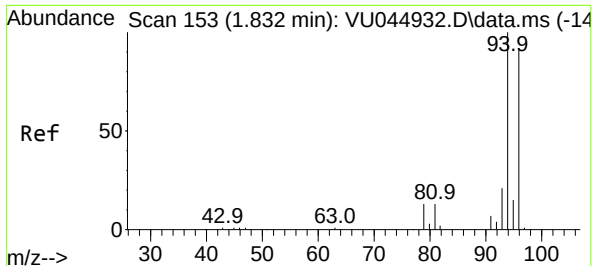
Tgt Ion:168 Resp: 202724
Ion Ratio Lower Upper
168 100
99 65.1 51.4 77.0



#3
Chloromethane
Concen: 0.270 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045074.D
Acq: 01 Oct 2021 15:38

Tgt Ion: 50 Resp: 877
Ion Ratio Lower Upper
50 100
52 26.1 26.3 39.5#

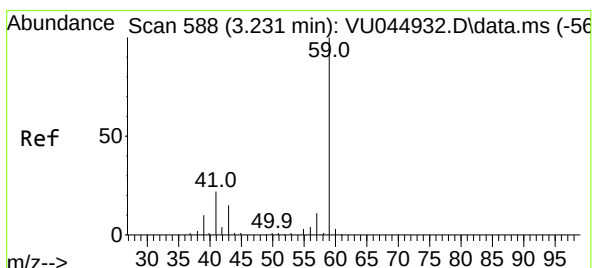
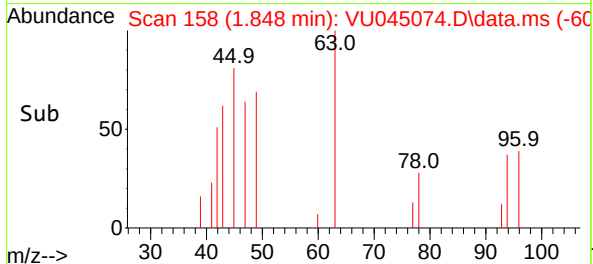
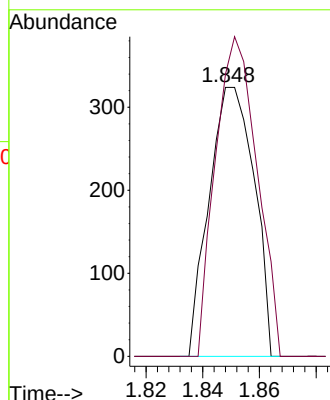
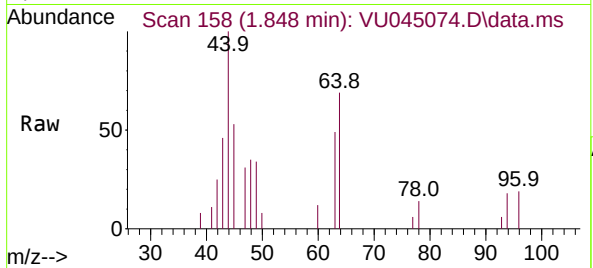




#5
Bromomethane
Concen: 0.280 ug/l
RT: 1.848 min Scan# 158
Delta R.T. 0.016 min
Lab File: VU045074.D
Acq: 01 Oct 2021 15:38

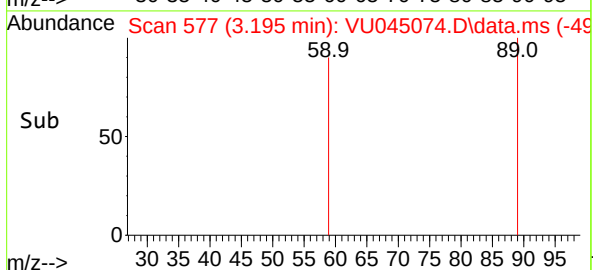
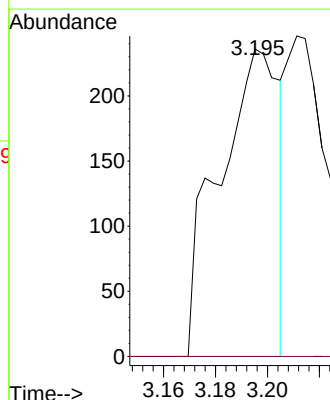
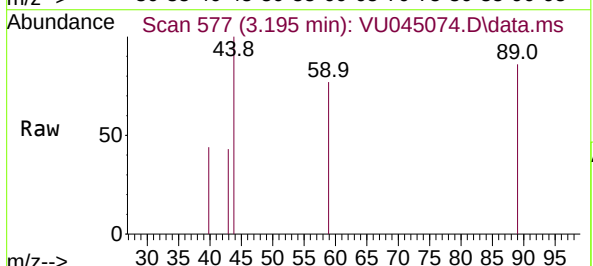
Instrument :
MSVOA_U
ClientSampled :

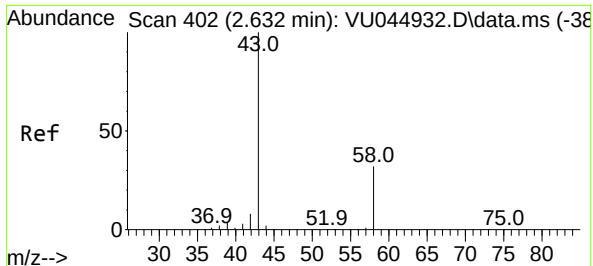
Tgt Ion: 94 Resp: 357
Ion Ratio Lower Upper
94 100
96 104.9 74.5 111.7



#11
Tert butyl alcohol
Concen: 0.390 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.036 min
Lab File: VU045074.D
Acq: 01 Oct 2021 15:38

Tgt Ion: 59 Resp: 378
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

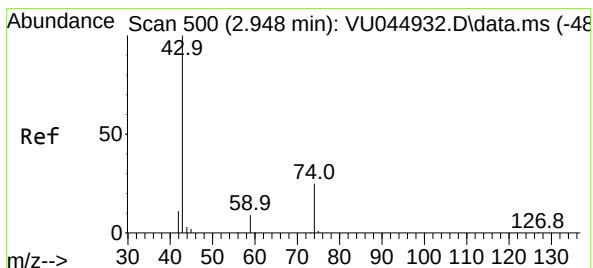
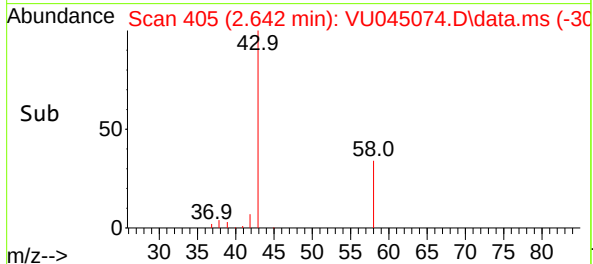
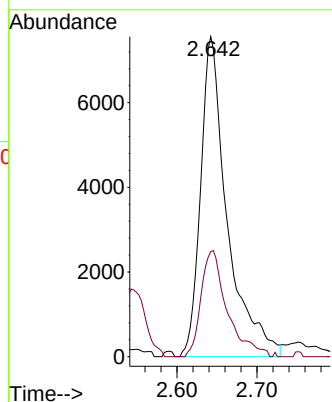
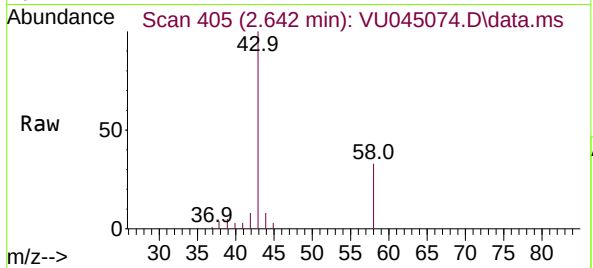




#16
Acetone
Concen: 8.740 ug/l
RT: 2.642 min Scan# 405
Delta R.T. 0.010 min
Lab File: VU045074.D
Acq: 01 Oct 2021 15:38

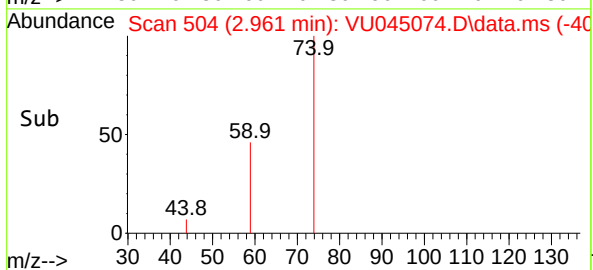
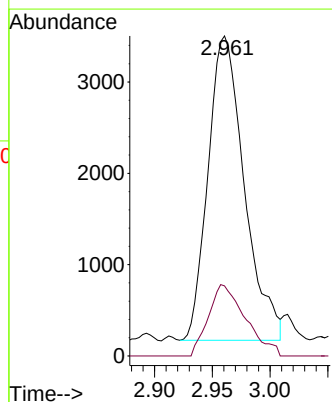
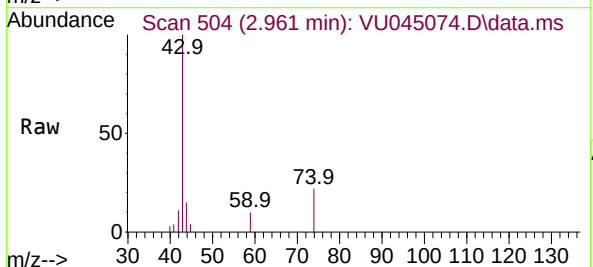
Instrument :
MSVOA_U
ClientSampled :

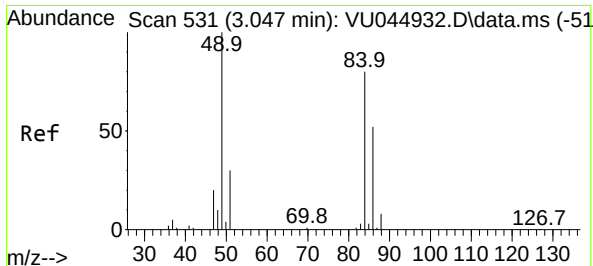
Tgt Ion: 43 Resp: 17507
Ion Ratio Lower Upper
43 100
58 32.9 25.2 37.8



#18
Methyl Acetate
Concen: 1.244 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.013 min
Lab File: VU045074.D
Acq: 01 Oct 2021 15:38

Tgt Ion: 43 Resp: 7282
Ion Ratio Lower Upper
43 100
74 23.9 19.0 28.6

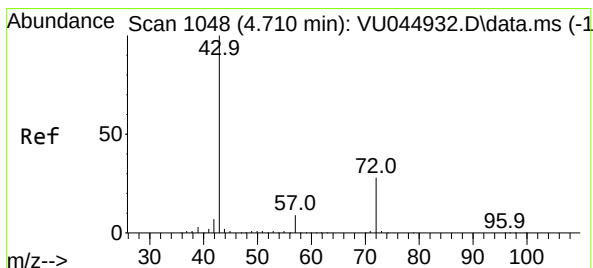
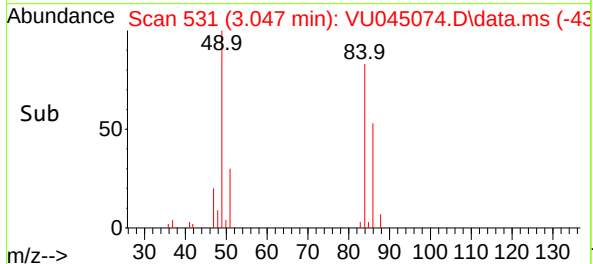
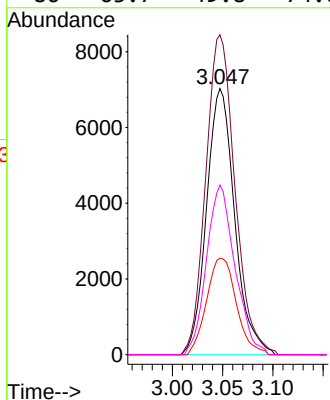
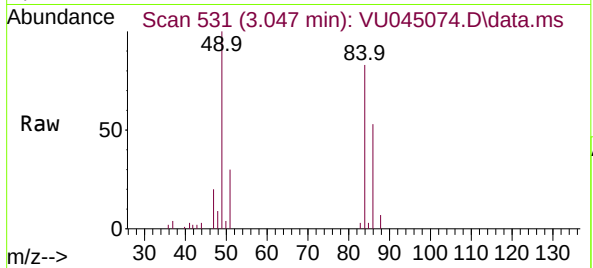




#20
Methylene Chloride
Concen: 4.534 ug/l
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU045074.D
Acq: 01 Oct 2021 15:38

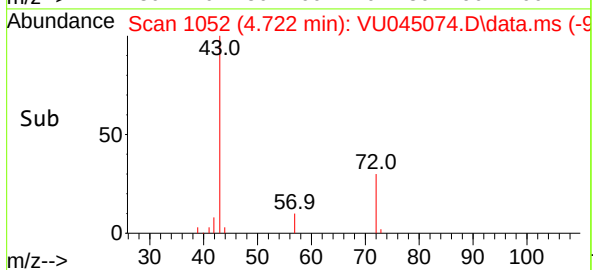
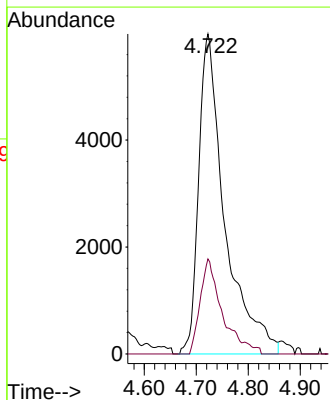
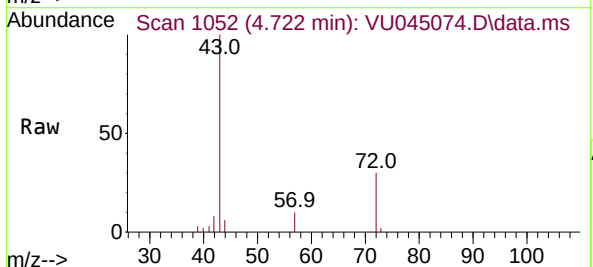
Instrument :
MSVOA_U
ClientSampled :

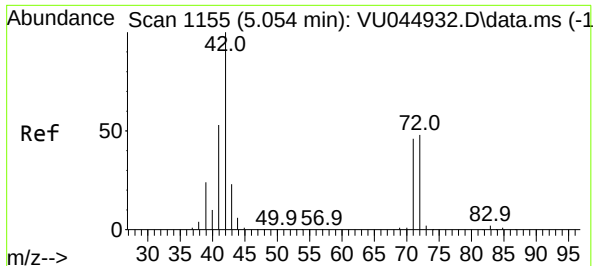
Tgt Ion:	84	Resp:	13681
Ion	Ratio	Lower	Upper
84	100		
49	120.3	104.9	157.3
51	36.2	31.8	47.8
86	63.7	49.8	74.6



#25
2-Butanone
Concen: 7.340 ug/l
RT: 4.722 min Scan# 1052
Delta R.T. 0.012 min
Lab File: VU045074.D
Acq: 01 Oct 2021 15:38

Tgt Ion:	43	Resp:	20889
Ion	Ratio	Lower	Upper
43	100		
72	29.7	21.3	31.9





#29

Tetrahydrofuran

Concen: 0.727 ug/l

RT: 5.070 min Scan# 1160

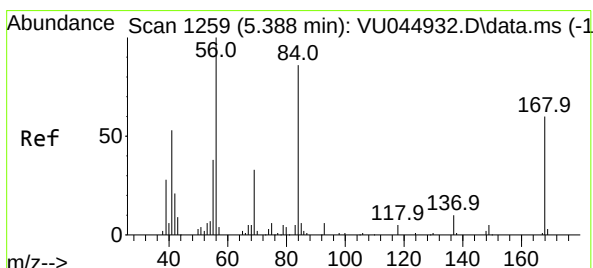
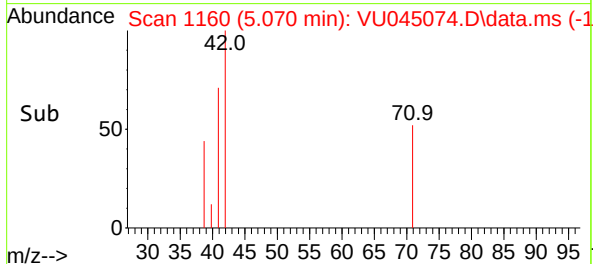
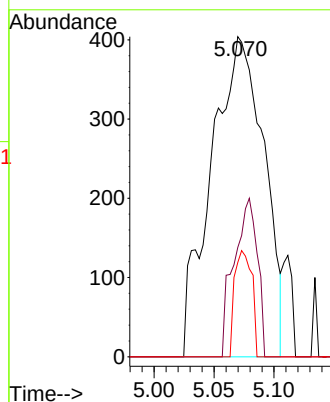
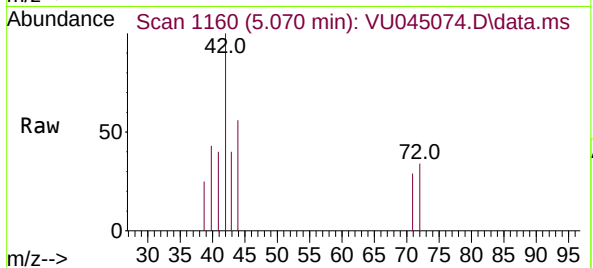
Delta R.T. 0.016 min

Lab File: VU045074.D

Acq: 01 Oct 2021 15:38

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:	42	Resp:	1231
Ion	Ratio	Lower	Upper
42	100		
72	22.0	36.2	54.4#
71	10.9	34.1	51.1#



#31

Cyclohexane

Concen: 1.119 ug/l

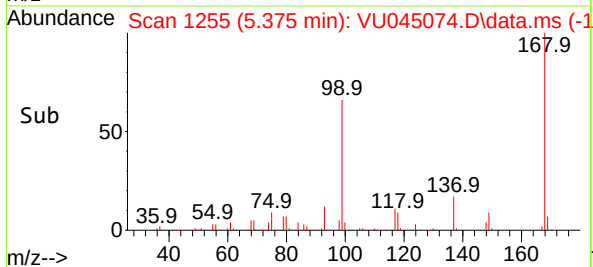
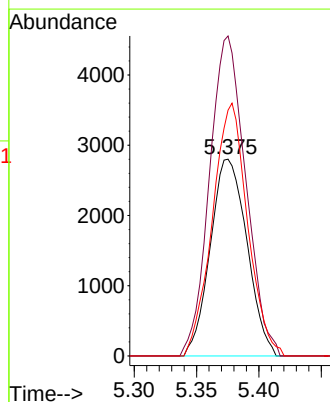
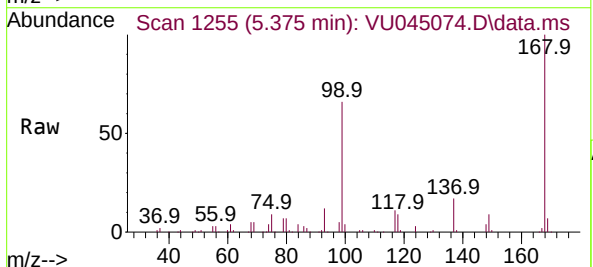
RT: 5.375 min Scan# 1255

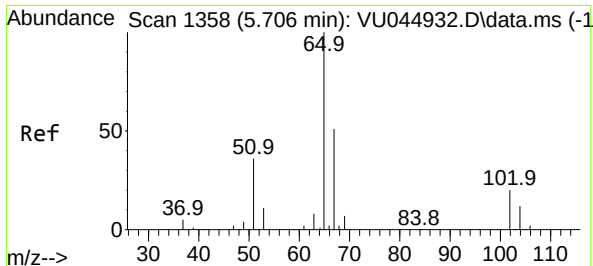
Delta R.T. -0.013 min

Lab File: VU045074.D

Acq: 01 Oct 2021 15:38

Tgt Ion:	56	Resp:	5736
Ion	Ratio	Lower	Upper
56	100		
69	162.7	25.2	37.8#
84	124.9	66.4	99.6#

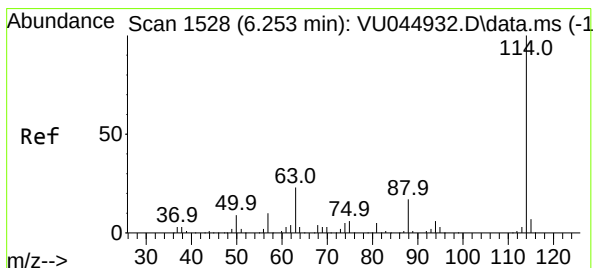
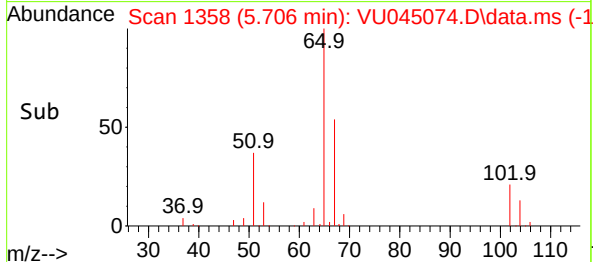
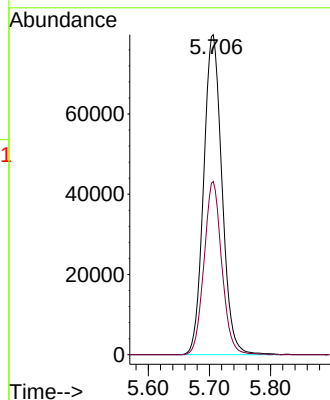
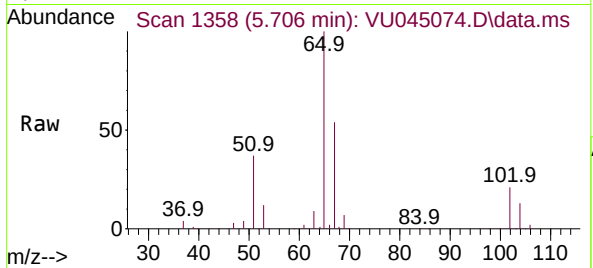




#33
 1,2-Dichloroethane-d4
 Concen: 49.265 ug/l
 RT: 5.706 min Scan# 1358
 Delta R.T. 0.000 min
 Lab File: VU045074.D
 Acq: 01 Oct 2021 15:38

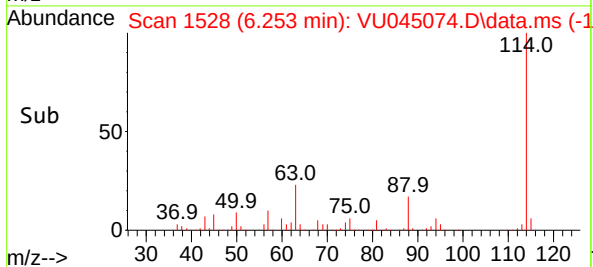
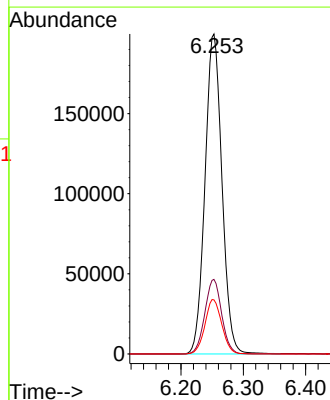
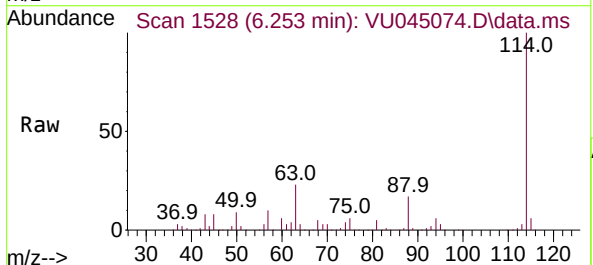
Instrument :
 MSVOA_U
 ClientSampled :

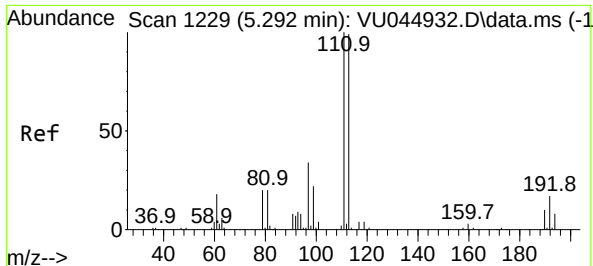
Tgt Ion: 65 Resp: 166248
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.253 min Scan# 1528
 Delta R.T. -0.000 min
 Lab File: VU045074.D
 Acq: 01 Oct 2021 15:38

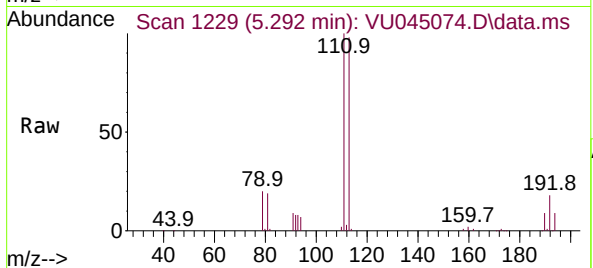
Tgt Ion: 114 Resp: 378016
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 47.8
 88 16.9 0.0 32.8



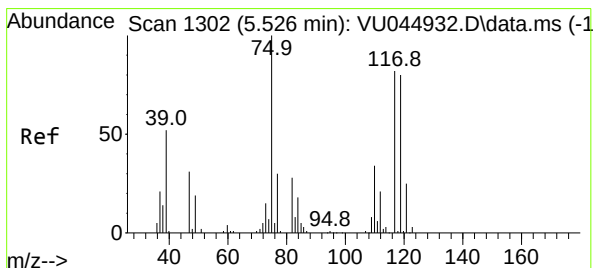
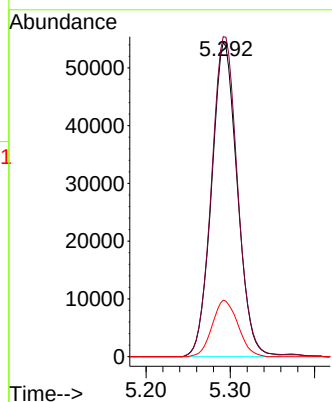
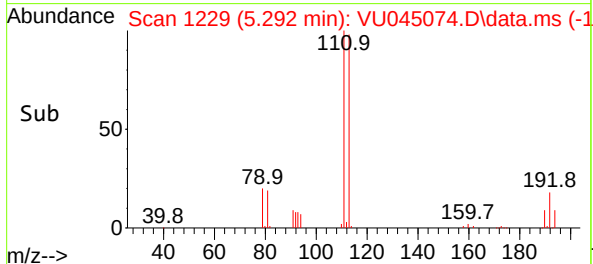


#35
Dibromofluoromethane
Concen: 48.313 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VU045074.D
Acq: 01 Oct 2021 15:38

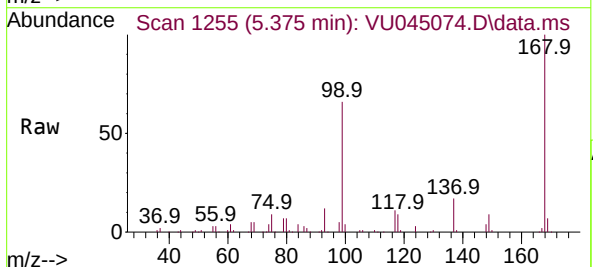
Instrument :
MSVOA_U
ClientSampleId :



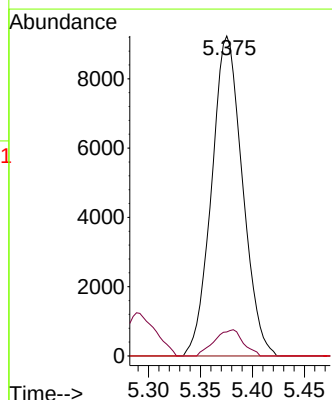
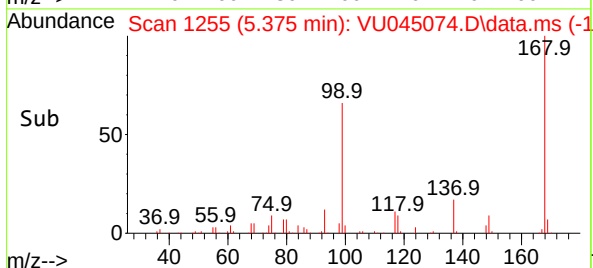
Tgt Ion:113 Resp: 115209
Ion Ratio Lower Upper
113 100
111 103.4 84.1 126.1
192 18.0 14.8 22.2

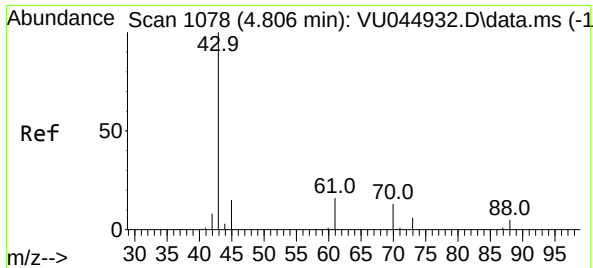


#36
1,1-Dichloropropene
Concen: 4.819 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045074.D
Acq: 01 Oct 2021 15:38



Tgt Ion: 75 Resp: 19050
Ion Ratio Lower Upper
75 100
110 7.6 16.3 48.9#
77 0.0 25.0 37.4#

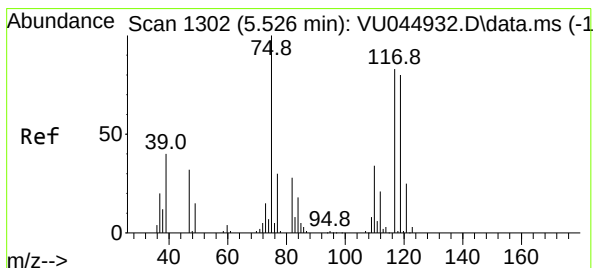
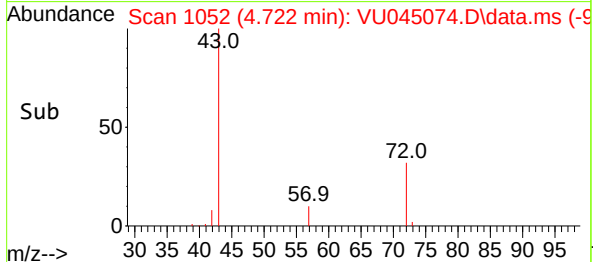
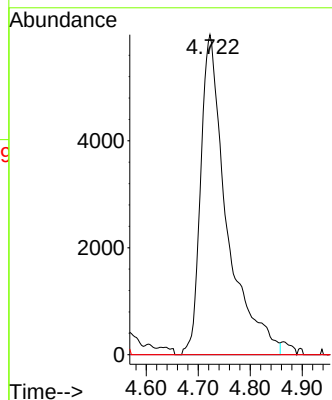
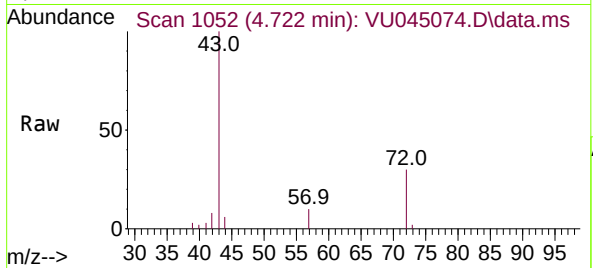




#37
Ethyl Acetate
Concen: 3.994 ug/l
RT: 4.722 min Scan# 1052
Delta R.T. -0.084 min
Lab File: VU045074.D
Acq: 01 Oct 2021 15:38

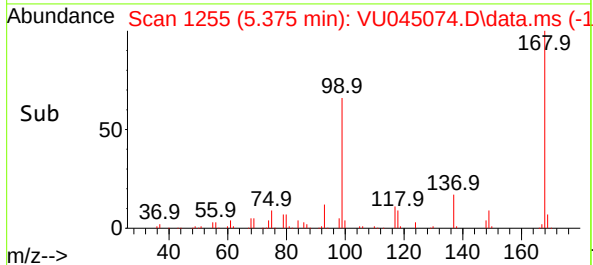
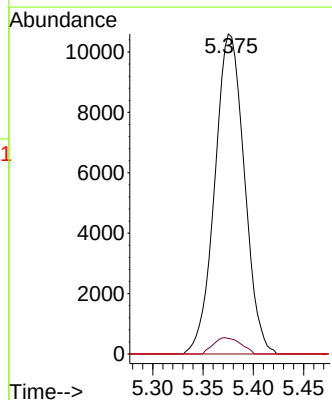
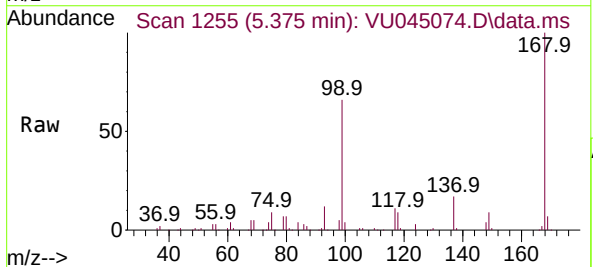
Instrument :
MSVOA_U
ClientSampleId :

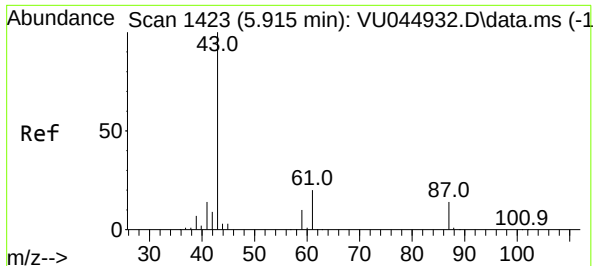
Tgt Ion:	43	Resp:	20889
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#



#38
Carbon Tetrachloride
Concen: 6.332 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045074.D
Acq: 01 Oct 2021 15:38

Tgt Ion:	117	Resp:	21659
Ion	Ratio	Lower	Upper
117	100		
119	4.8	77.4	116.2#
121	0.0	24.5	36.7#





#43

Isopropyl Acetate

Concen: 3.416 ug/l

RT: 5.919 min Scan# 1424

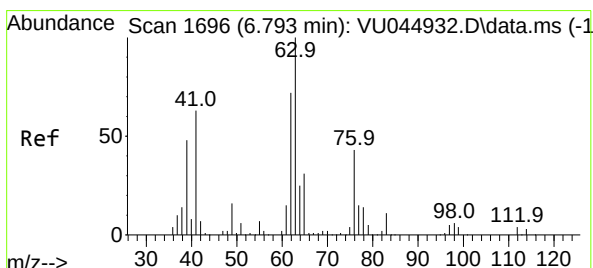
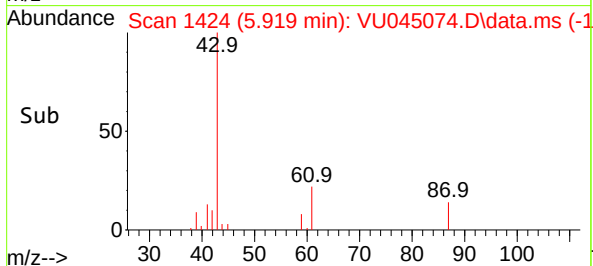
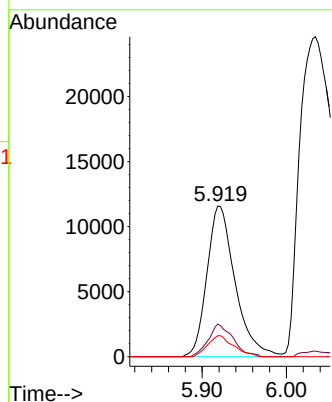
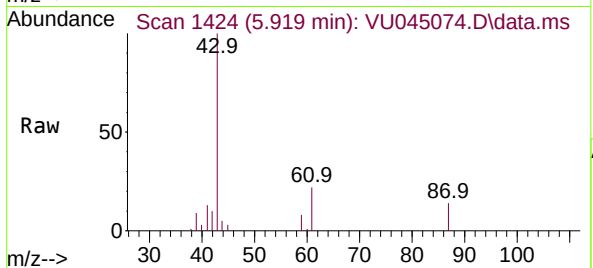
Delta R.T. 0.004 min

Lab File: VU045074.D

Acq: 01 Oct 2021 15:38

Tgt Ion:	43	Resp:	26880
Ion Ratio	Lower	Upper	
43	100		
61	19.0	16.1	24.1
87	12.7	10.3	15.5

Instrument :
MSVOA_U
ClientSampled :



#45

1,2-Dichloropropane

Concen: 0.687 ug/l

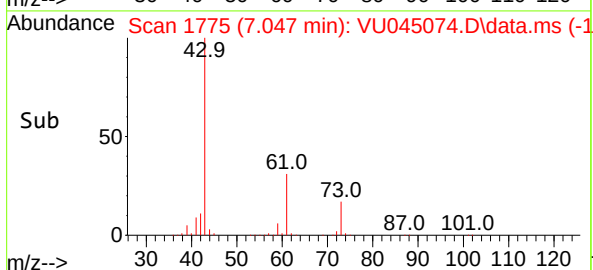
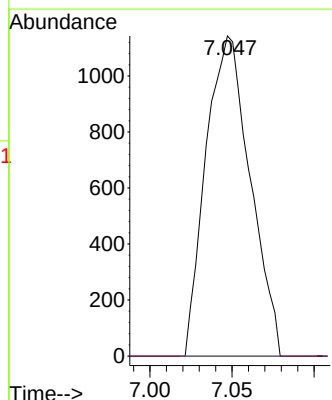
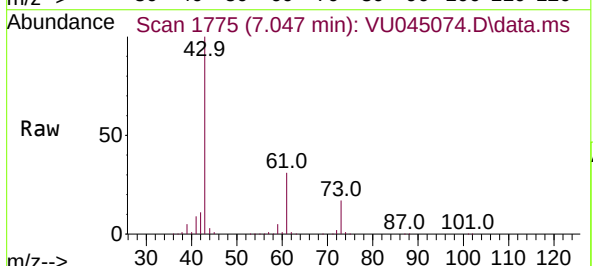
RT: 7.047 min Scan# 1775

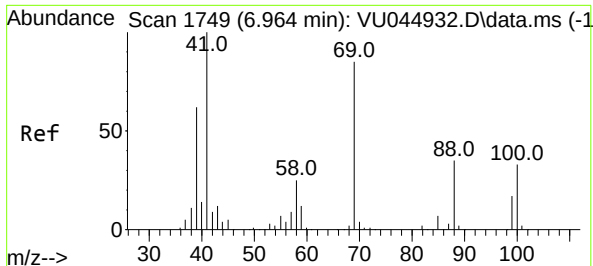
Delta R.T. 0.254 min

Lab File: VU045074.D

Acq: 01 Oct 2021 15:38

Tgt Ion:	63	Resp:	2145
Ion Ratio	Lower	Upper	
63	100		
65	0.0	23.9	35.9#





#48

Methyl methacrylate

Concen: 2.798 ug/l

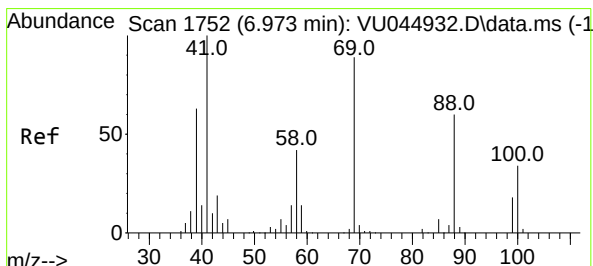
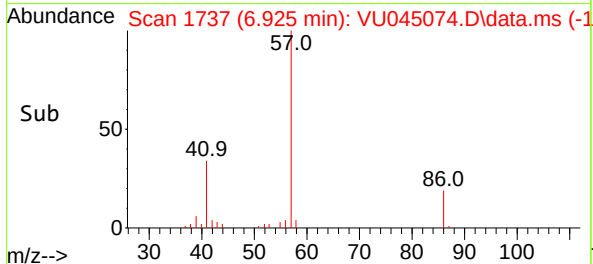
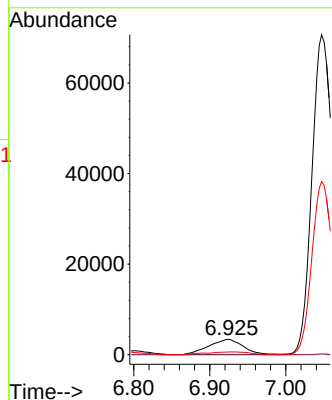
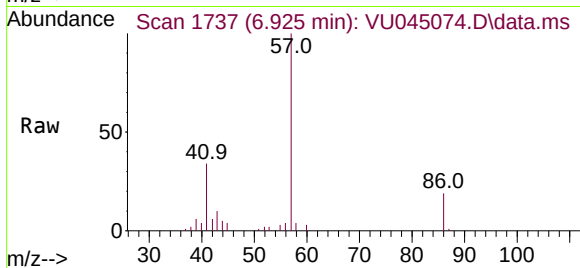
RT: 6.925 min Scan# 1737

Delta R.T. -0.039 min

Lab File: VU045074.D

Acq: 01 Oct 2021 15:38

Tgt Ion:	41	Resp:	10717
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

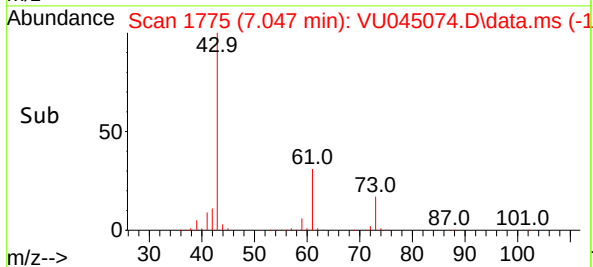
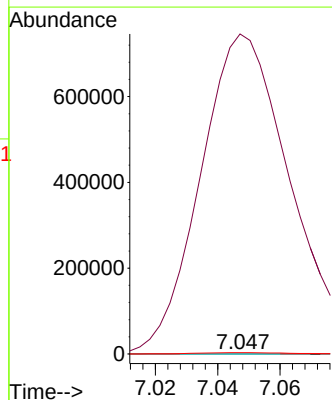
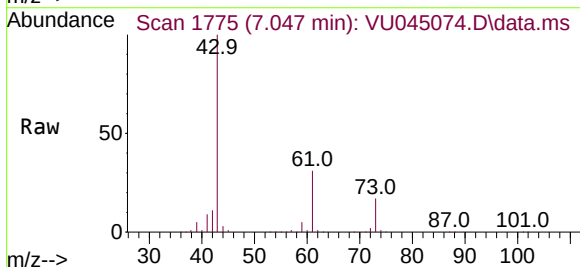
RT: 7.047 min Scan# 1775

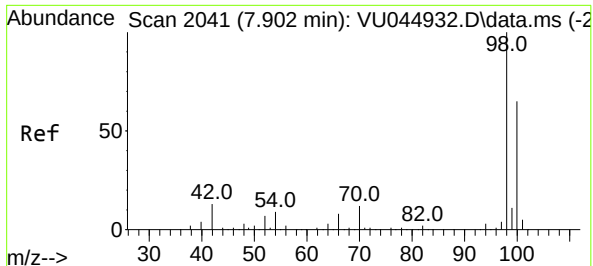
Delta R.T. 0.074 min

Lab File: VU045074.D

Acq: 01 Oct 2021 15:38

Tgt Ion:	88	Resp:	162
Ion Ratio	Lower	Upper	
88	100		
43	938378.4	25.8	38.6#
58	4040.7	61.3	91.9#

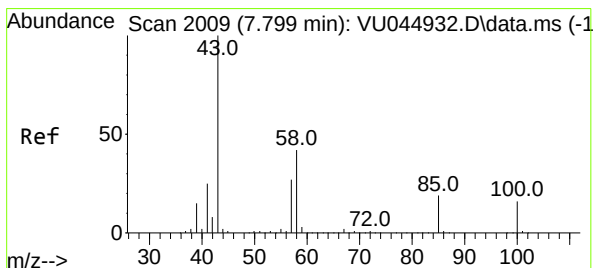
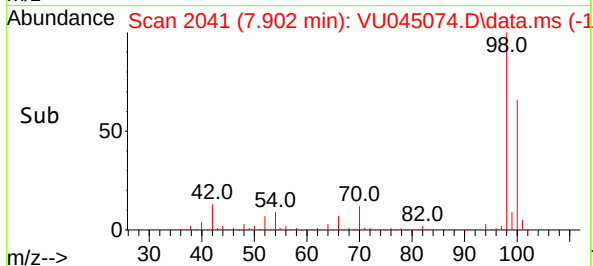
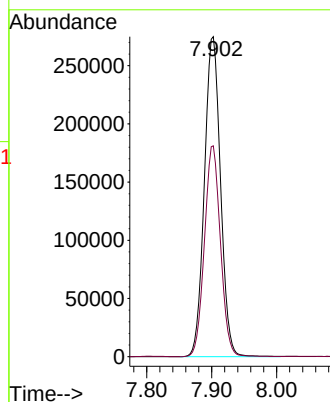
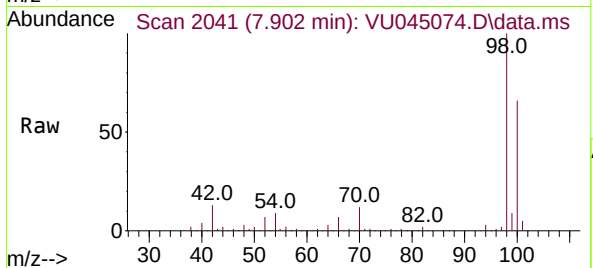




#50
Toluene-d8
Concen: 50.555 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU045074.D
Acq: 01 Oct 2021 15:38

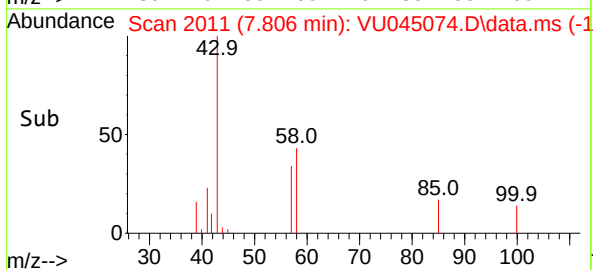
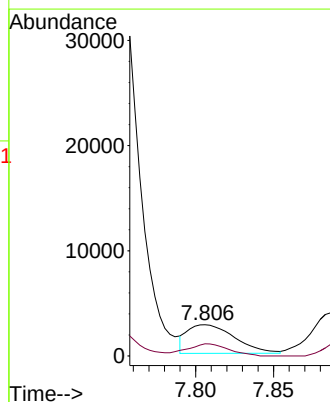
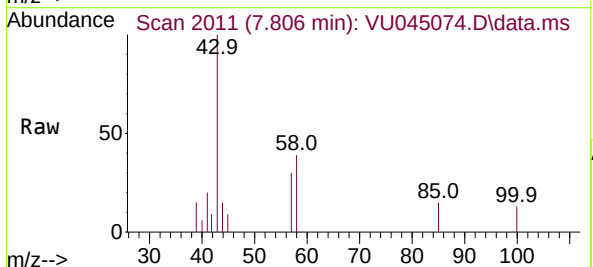
Instrument :
MSVOA_U
ClientSampled :

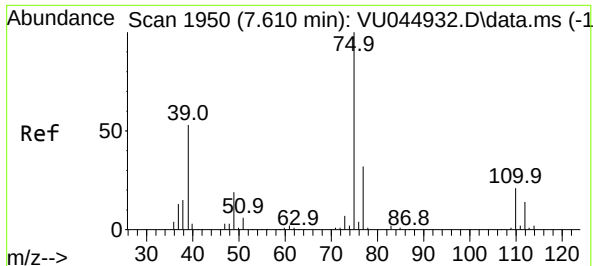
Tgt Ion: 98 Resp: 476337
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.001 ug/l
RT: 7.806 min Scan# 2011
Delta R.T. 0.007 min
Lab File: VU045074.D
Acq: 01 Oct 2021 15:38

Tgt Ion: 43 Resp: 5736
Ion Ratio Lower Upper
43 100
58 37.1 32.4 48.6

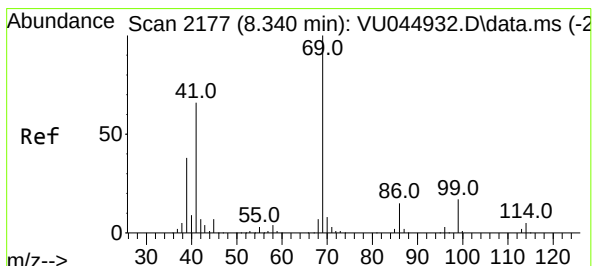
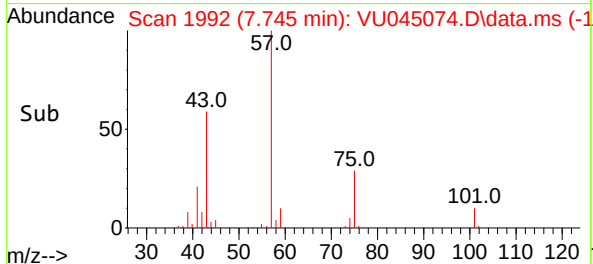
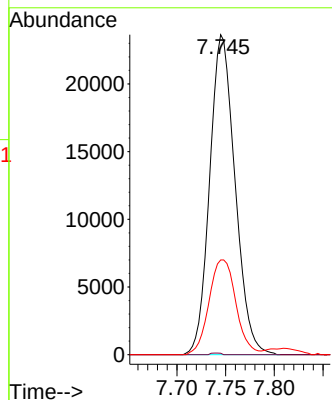
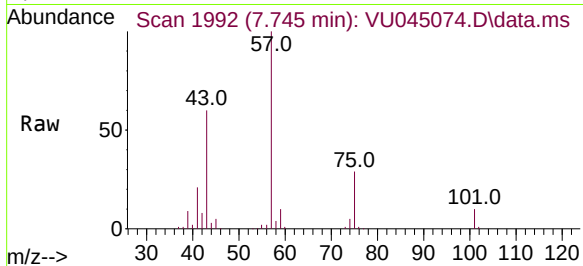




#54
 cis-1,3-Dichloropropene
 Concen: 8.803 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.135 min
 Lab File: VU045074.D
 Acq: 01 Oct 2021 15:38

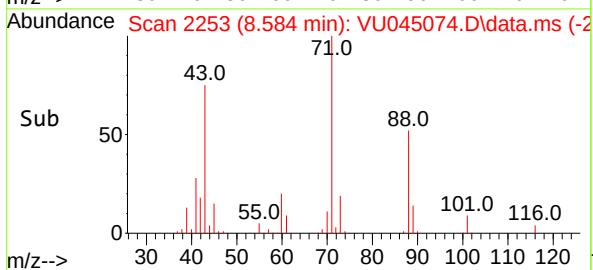
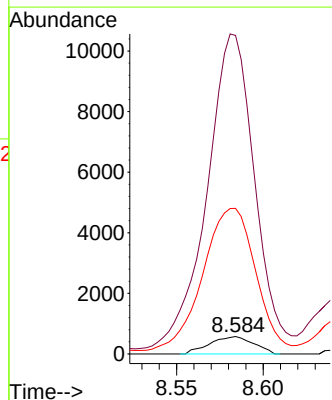
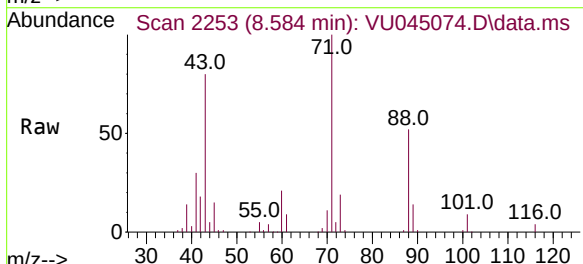
Instrument :
 MSVOA_U
 ClientSampleId :

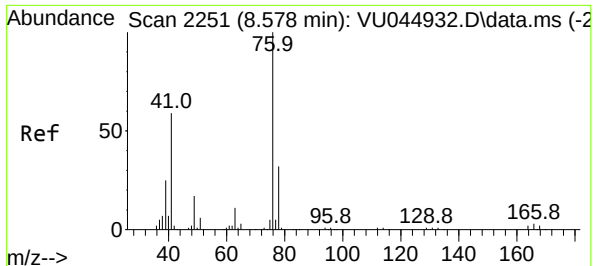
Tgt Ion: 75 Resp: 42813
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 29.6 41.4 62.2#



#56
 Ethyl methacrylate
 Concen: 1.985 ug/l
 RT: 8.584 min Scan# 2253
 Delta R.T. 0.244 min
 Lab File: VU045074.D
 Acq: 01 Oct 2021 15:38

Tgt Ion: 69 Resp: 1014
 Ion Ratio Lower Upper
 69 100
 41 1955.8 53.5 80.3#
 39 971.8 31.1 46.7#



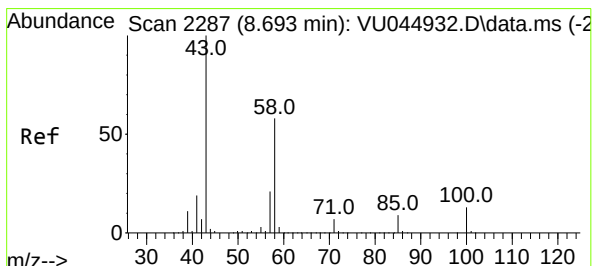
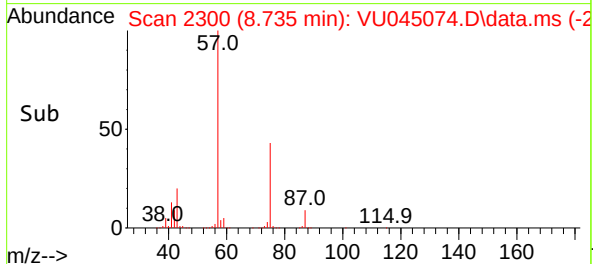
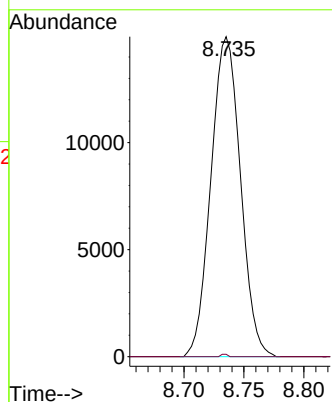
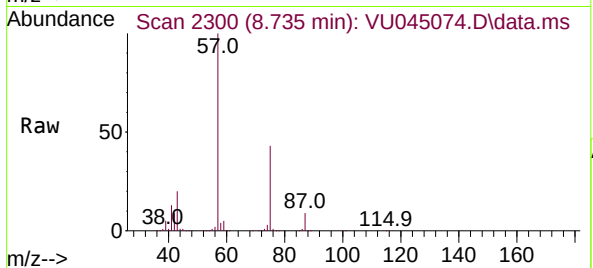


#57

1,3-Dichloropropane
Concen: 4.669 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.157 min
Lab File: VU045074.D
Acq: 01 Oct 2021 15:38

Instrument :
MSVOA_U
ClientSampled :

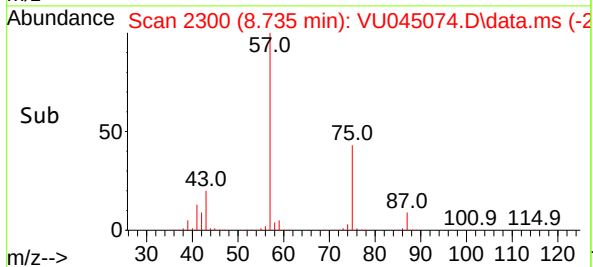
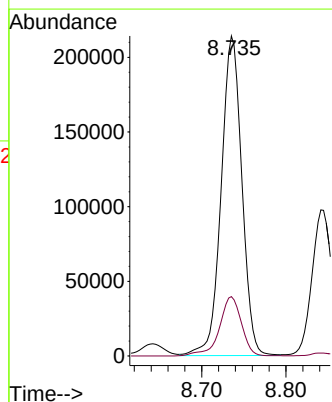
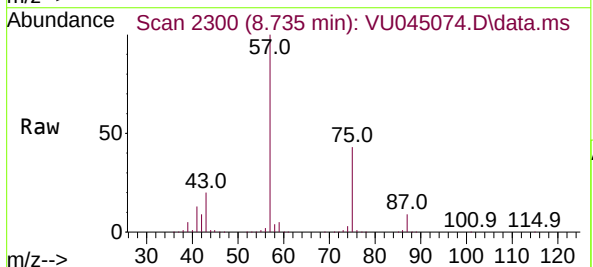
Tgt Ion: 76 Resp: 25582
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

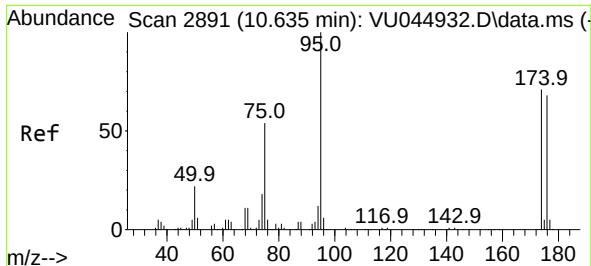


#59

2-Hexanone
Concen: 78.173 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.042 min
Lab File: VU045074.D
Acq: 01 Oct 2021 15:38

Tgt Ion: 43 Resp: 364685
Ion Ratio Lower Upper
43 100
58 19.8 28.0 84.0#

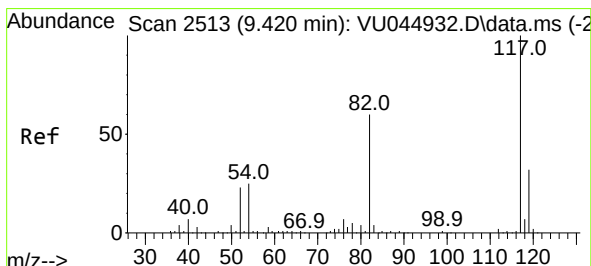
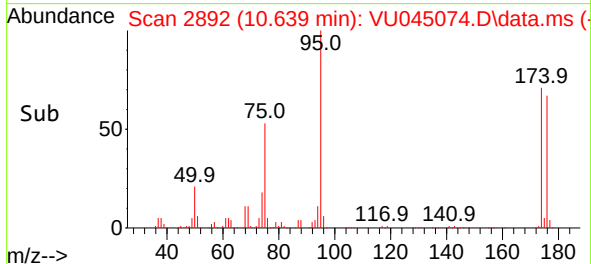
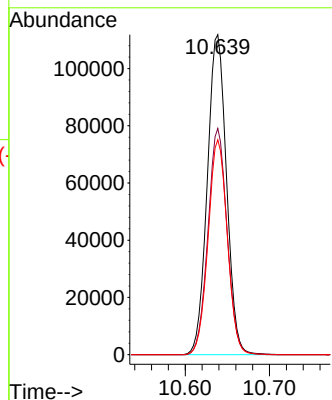
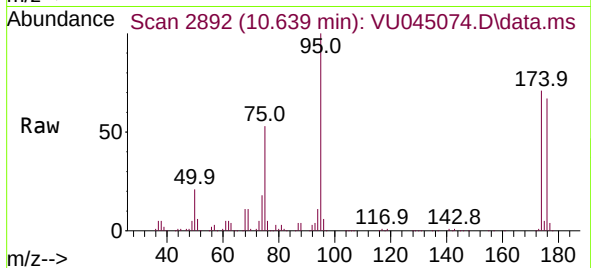




#62
4-Bromofluorobenzene
Concen: 45.667 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.004 min
Lab File: VU045074.D
Acq: 01 Oct 2021 15:38

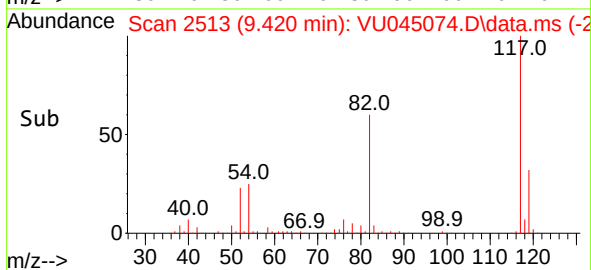
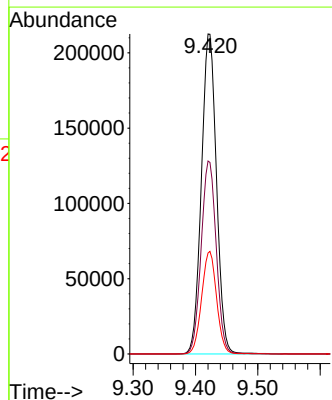
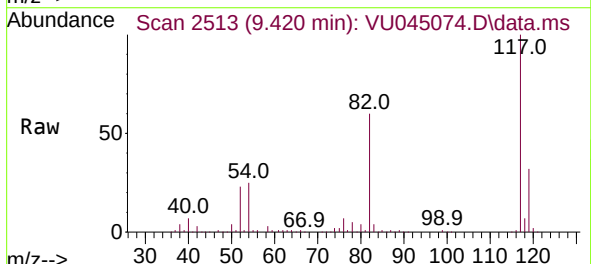
Instrument :
MSVOA_U
ClientSampleId :

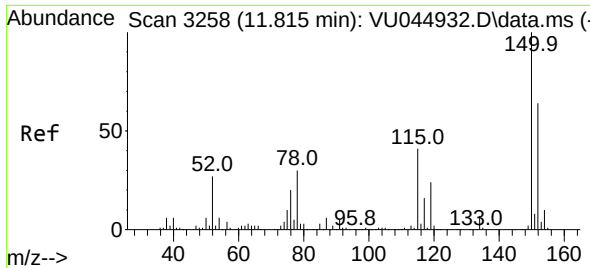
Tgt Ion: 95 Resp: 177645
Ion Ratio Lower Upper
95 100
174 70.2 0.0 146.6
176 66.9 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045074.D
Acq: 01 Oct 2021 15:38

Tgt Ion: 117 Resp: 357123
Ion Ratio Lower Upper
117 100
82 60.3 47.8 71.8
119 31.6 25.8 38.6

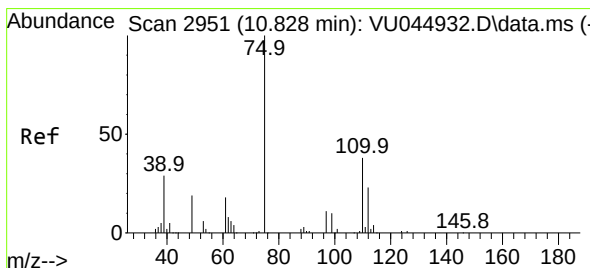
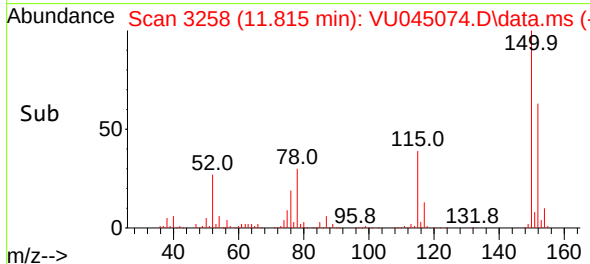
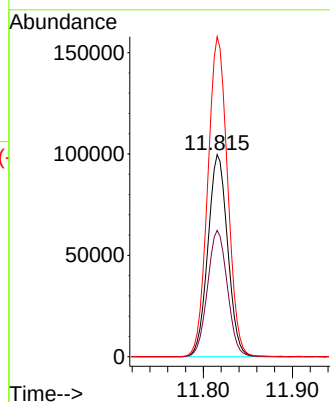
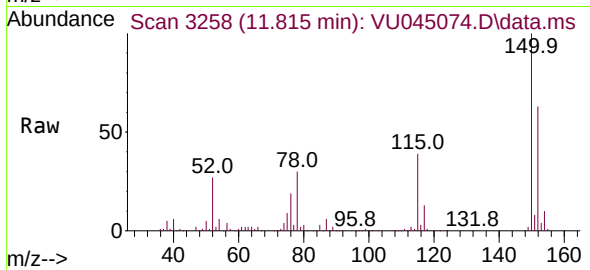




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.815 min Scan# 3258
 Delta R.T. 0.000 min
 Lab File: VU045074.D
 Acq: 01 Oct 2021 15:38

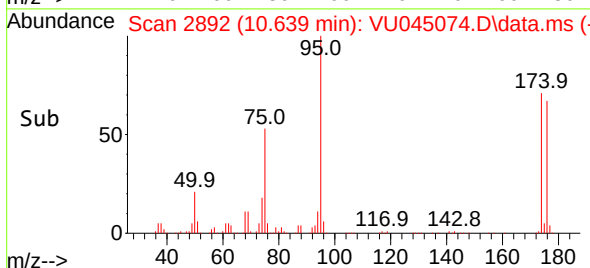
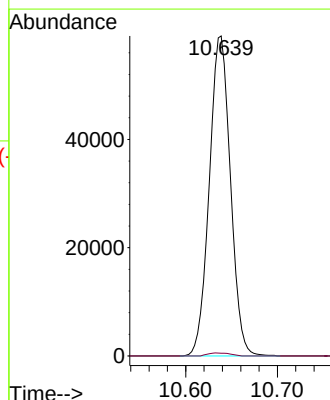
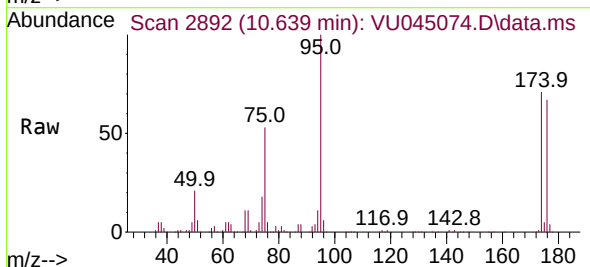
Instrument :
 MSVOA_U
 ClientSampled :

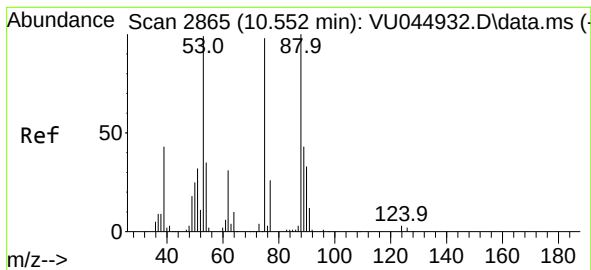
Tgt Ion:152 Resp: 152990
 Ion Ratio Lower Upper
 152 100
 115 62.9 43.5 130.7
 150 159.0 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 21.210 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.189 min
 Lab File: VU045074.D
 Acq: 01 Oct 2021 15:38

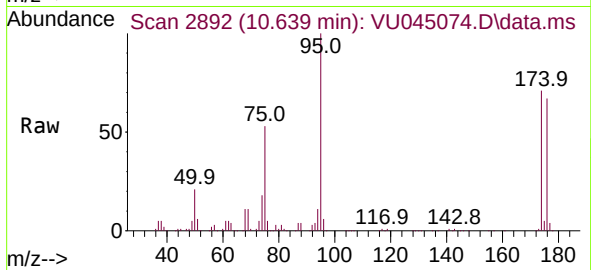
Tgt Ion: 75 Resp: 94649
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.9 53.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.862 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. 0.087 min
 Lab File: VU045074.D
 Acq: 01 Oct 2021 15:38

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 94649
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#

