

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110421\
 Data File : VU045538.D
 Acq On : 03 Nov 2021 22:28
 Operator : SY/MD
 Sample : PB140448ZHE#04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 05 13:54:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 29 11:09:42 2021
 Response via : Initial Calibration

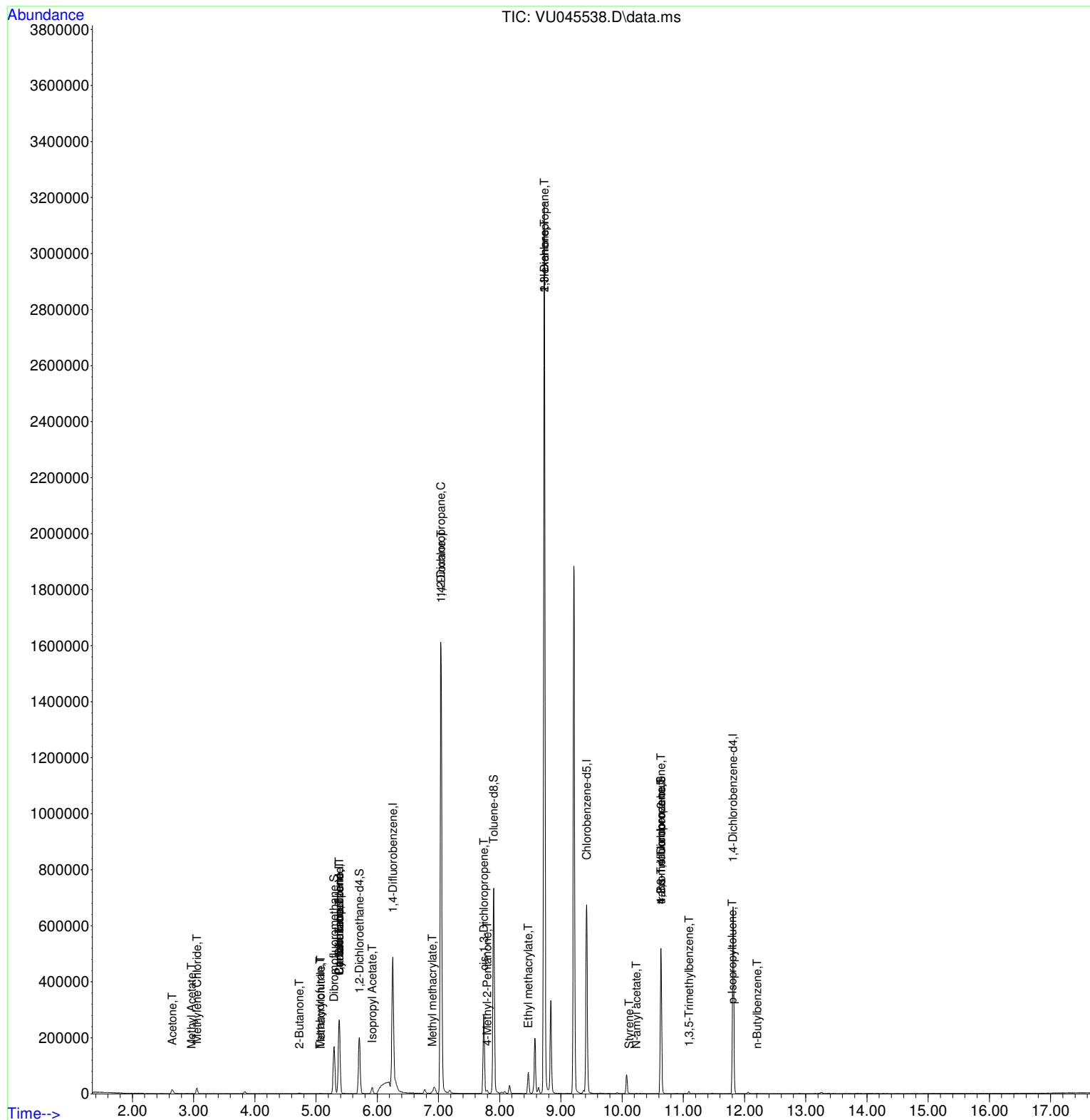
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.378	168	182759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	362477	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	368771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	170457	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	144705	48.63	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.26%		
35) Dibromofluoromethane	5.295	113	110772	48.06	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.12%		
50) Toluene-d8	7.902	98	483982	53.55	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	107.10%		
62) 4-Bromofluorobenzene	10.635	95	182429	52.97	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.94%		
Target Compounds						
					Qvalue	
16) Acetone	2.649	43	24670	18.26	ug/l	95
18) Methyl Acetate	2.964	43	1571	0.31	ug/l #	71
20) Methylene Chloride	3.054	84	9952	3.70	ug/l	97
25) 2-Butanone	4.722	43	4927	2.42	ug/l	94
29) Tetrahydrofuran	5.063	42	894	0.68	ug/l #	30
31) Cyclohexane	5.378	56	3903	0.88	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	14820	4.30	ug/l #	49
38) Carbon Tetrachloride	5.378	117	18060	6.00	ug/l #	16
41) Methacrylonitrile	5.073	41	496	0.22	ug/l #	28
43) Isopropyl Acetate	5.915	43	24846	3.95	ug/l	99
45) 1,2-Dichloropropane	7.037	63	2130	0.78	ug/l #	43
48) Methyl methacrylate	6.899	41	8900	2.98	ug/l #	13
49) 1,4-Dioxane	7.041	88	231	3.05	ug/l #	1
51) 4-Methyl-2-Pentanone	7.793	43	7352	1.81	ug/l	99
54) cis-1,3-Dichloropropene	7.738	75	52224	12.21	ug/l #	57
56) Ethyl methacrylate	8.468	69	287	1.70	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	32621	7.13	ug/l #	43
59) 2-Hexanone	8.729	43	424288	134.54	ug/l #	48
70) Styrene	10.115	104	203	1.00	ug/l #	57
74) N-amyl acetate	10.233	43	626	1.26	ug/l #	40
76) 1,2,3-Trichloropropane	10.635	75	90717	19.97	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.092	105	4514	0.47	ug/l	97
81) trans-1,4-Dichloro-2-b...	10.635	75	90717	55.48	ug/l #	12
86) p-Isopropyltoluene	11.796	119	335	0.22	ug/l #	1
89) n-Butylbenzene	12.208	91	686	1.00	ug/l #	77

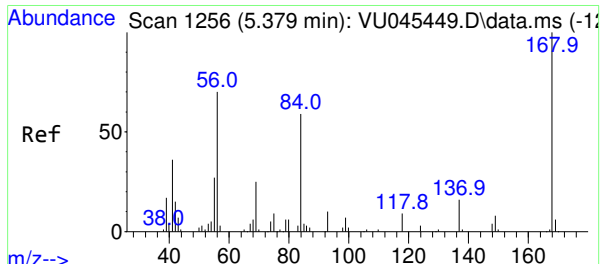
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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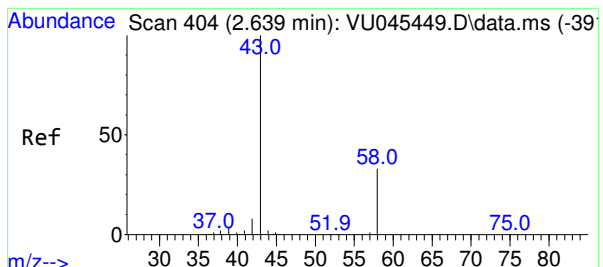
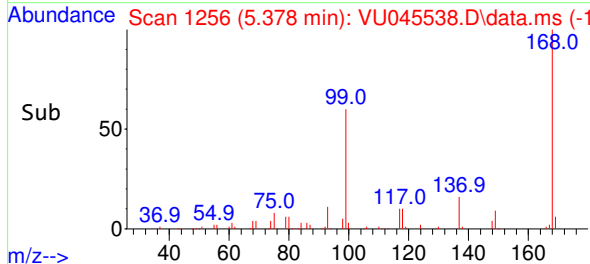
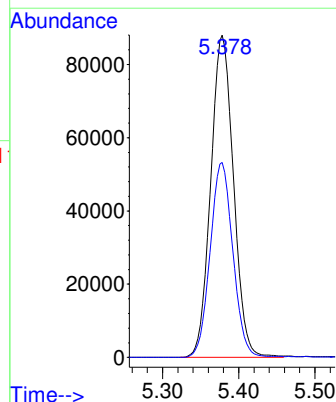
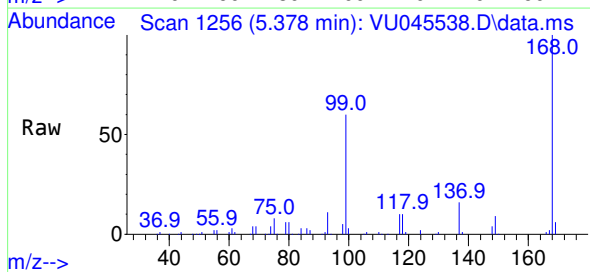




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.378 min Scan# 1
Delta R.T. -0.001 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

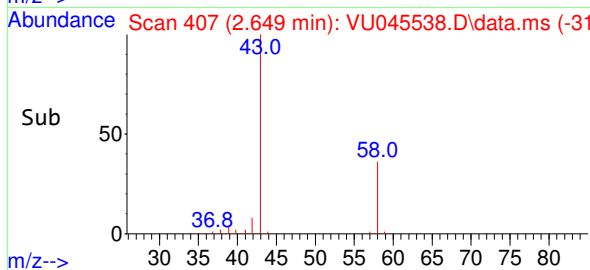
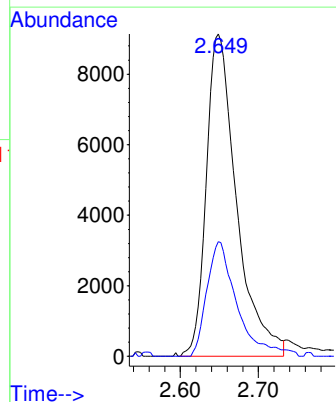
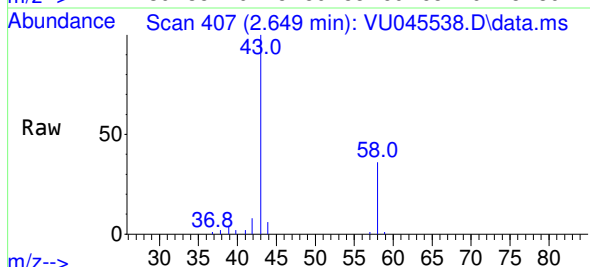
Instrument :
MSVOA_U
ClientSampleId :

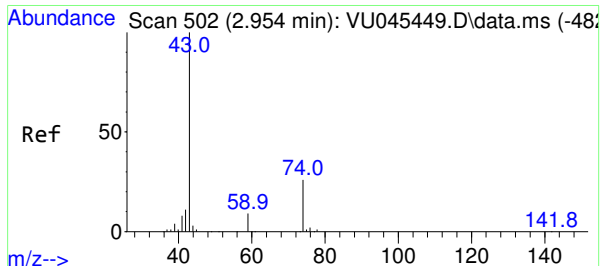
Tgt Ion:168 Resp: 182759
Ion Ratio Lower Upper
168 100
99 60.5 51.0 76.6



#16
Acetone
Concen: 18.26 ug/l
RT: 2.649 min Scan# 407
Delta R.T. 0.009 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

Tgt Ion: 43 Resp: 24670
Ion Ratio Lower Upper
43 100
58 35.6 26.2 39.2

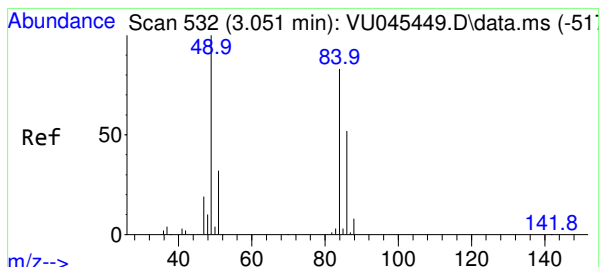
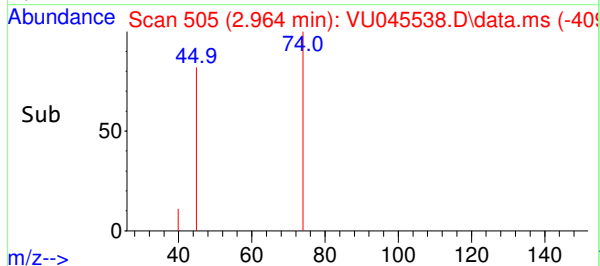
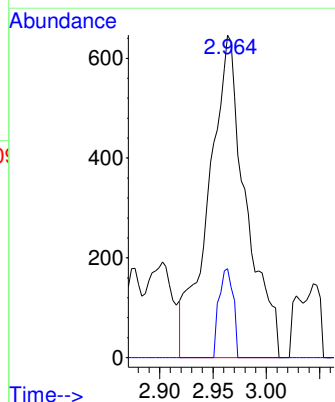
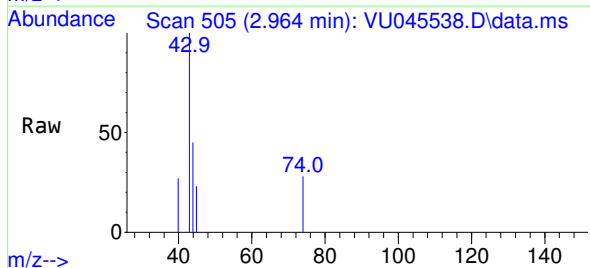




#18
Methyl Acetate
Concen: 0.31 ug/l
RT: 2.964 min Scan# 518
Delta R.T. 0.009 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

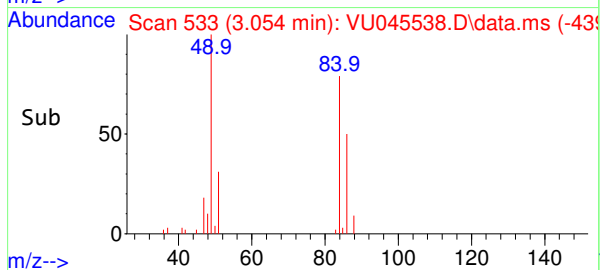
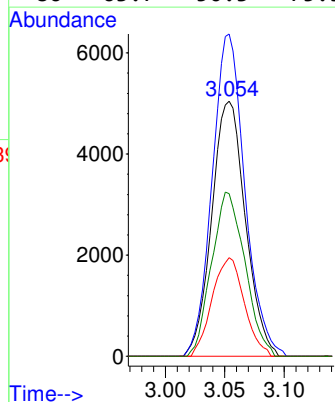
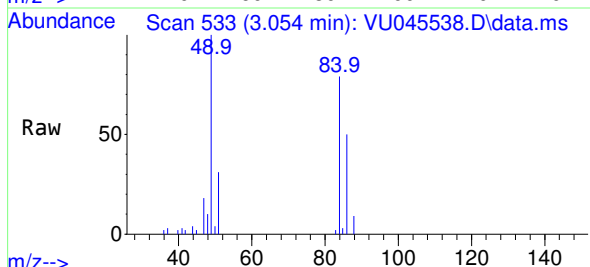
Instrument :
MSVOA_U
ClientSampleId :

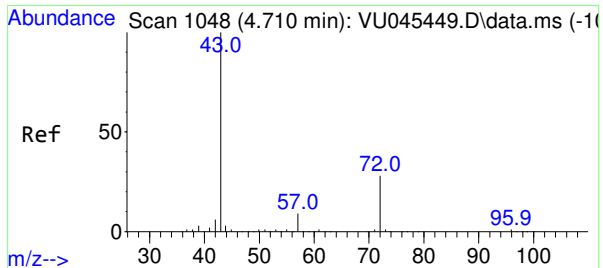
Tgt Ion: 43 Resp: 1571
Ion Ratio Lower Upper
43 100
74 10.4 20.2 30.2#



#20
Methylene Chloride
Concen: 3.70 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

Tgt Ion: 84 Resp: 9952
Ion Ratio Lower Upper
84 100
49 126.3 96.4 144.6
51 38.6 30.5 45.7
86 63.7 50.3 75.5

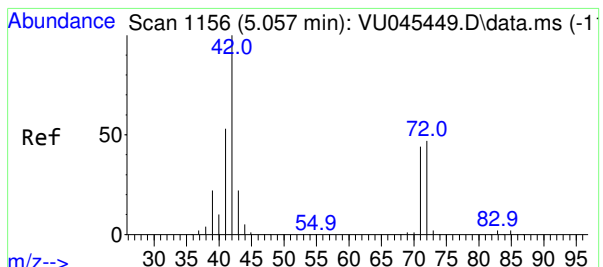
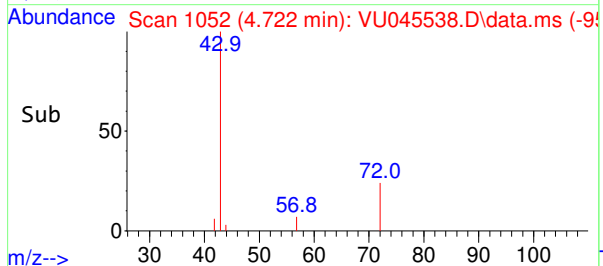
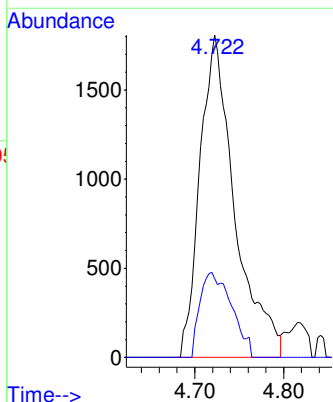
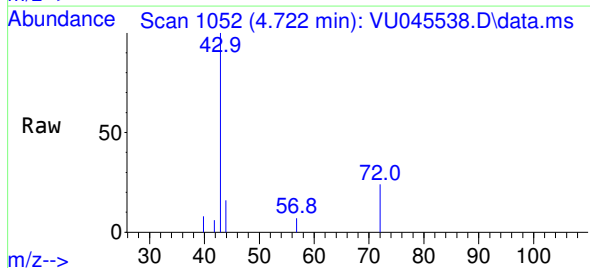




#25
2-Butanone
Concen: 2.42 ug/l
RT: 4.722 min Scan# 1
Delta R.T. 0.013 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

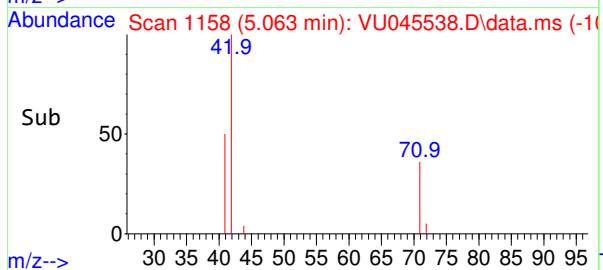
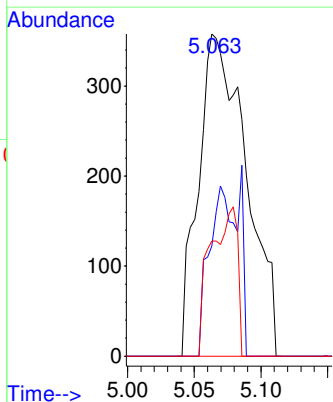
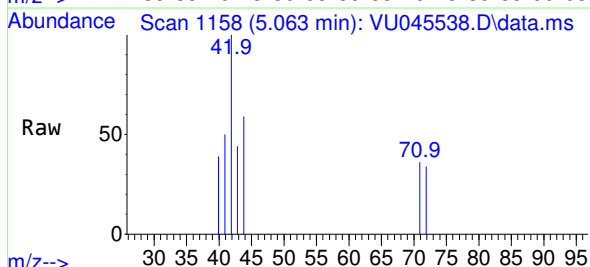
Instrument :
MSVOA_U
ClientSampleId :

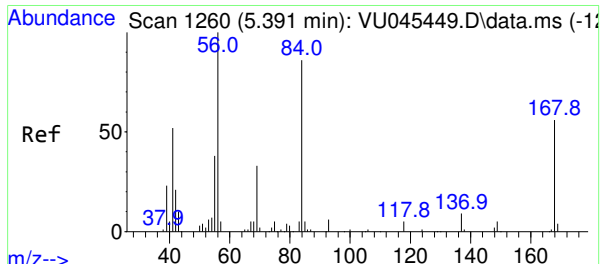
Tgt Ion: 43 Resp: 4927
Ion Ratio Lower Upper
43 100
72 24.4 22.0 33.0



#29
Tetrahydrofuran
Concen: 0.68 ug/l
RT: 5.063 min Scan# 1158
Delta R.T. 0.006 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

Tgt Ion: 42 Resp: 894
Ion Ratio Lower Upper
42 100
72 0.0 38.2 57.4#
71 0.0 35.4 53.2#

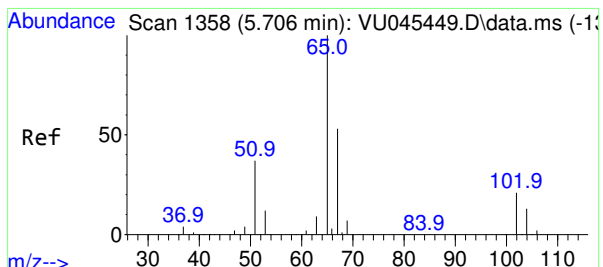
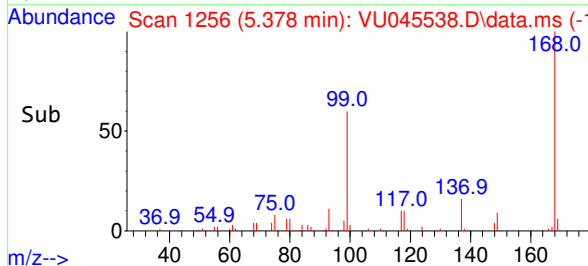
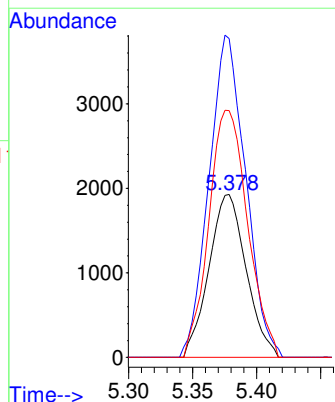
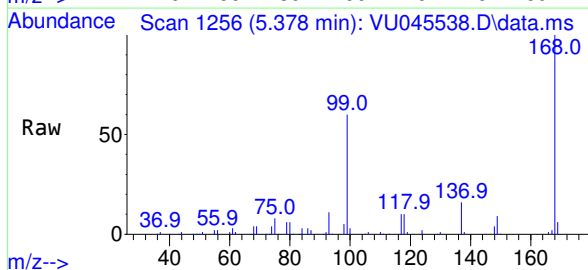




#31
Cyclohexane
Concen: 0.88 ug/l
RT: 5.378 min Scan# 1
Delta R.T. -0.013 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

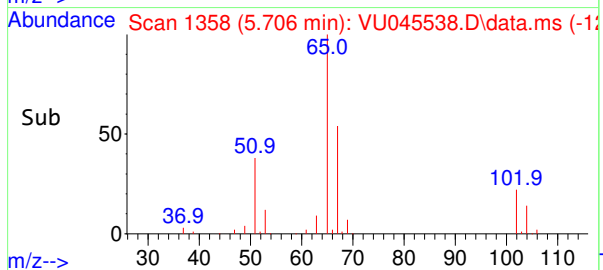
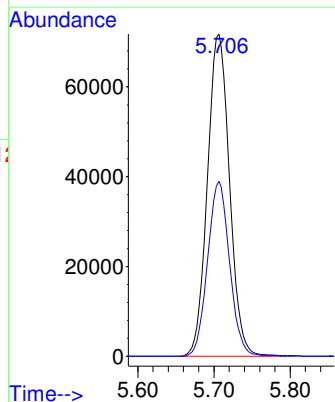
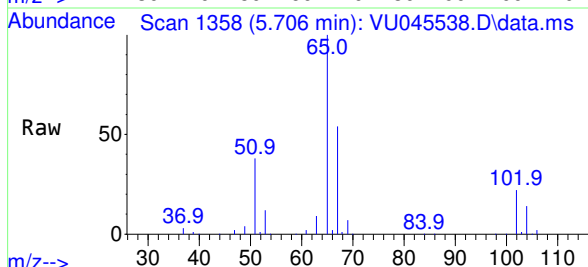
Instrument :
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ClientSampleId :

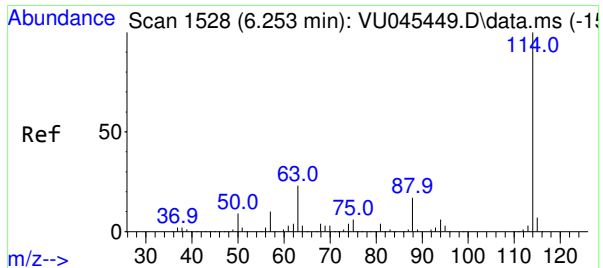
Tgt Ion: 56 Resp: 3903
Ion Ratio Lower Upper
56 100
69 195.8 26.4 39.6#
84 151.6 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 48.63 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

Tgt Ion: 65 Resp: 144705
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.8

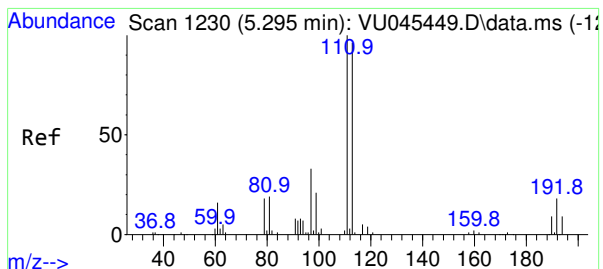
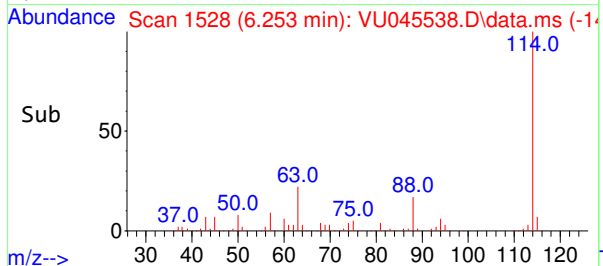
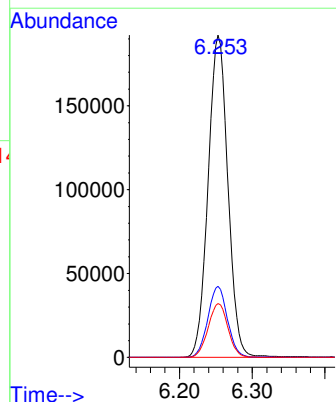
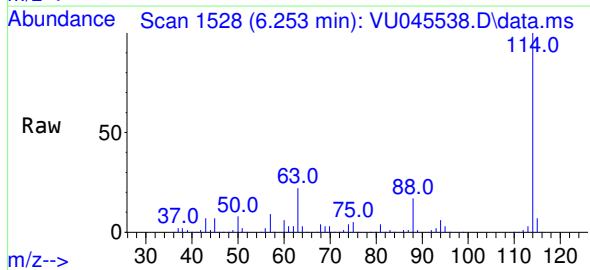




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

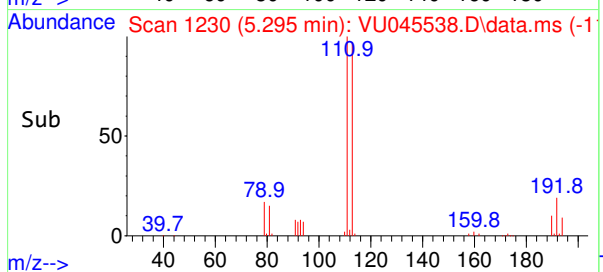
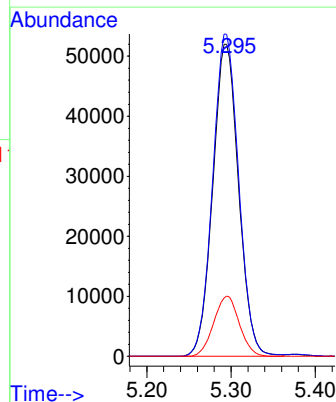
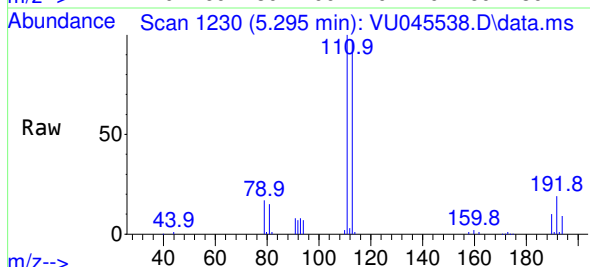
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MSVOA_U
ClientSampleId :

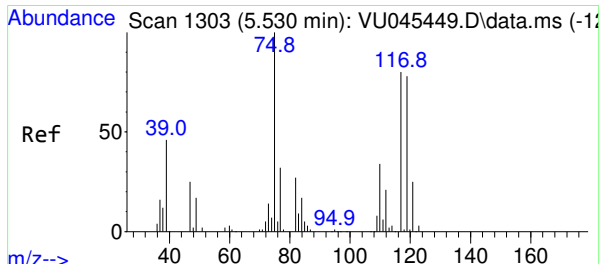
Tgt Ion:114	Resp:	362477
Ion	Ratio	Lower Upper
114	100	
63	22.0	0.0 45.6
88	16.7	0.0 33.8



#35
Dibromofluoromethane
Concen: 48.06 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

Tgt Ion:113	Resp:	110772
Ion	Ratio	Lower Upper
113	100	
111	103.8	82.8 124.2
192	19.1	14.8 22.2

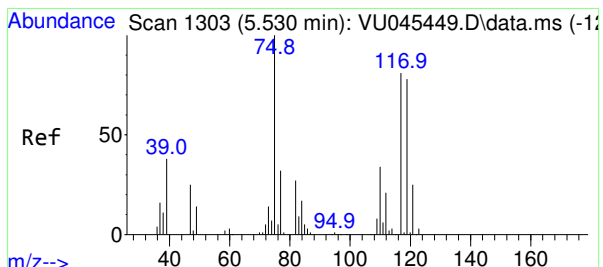
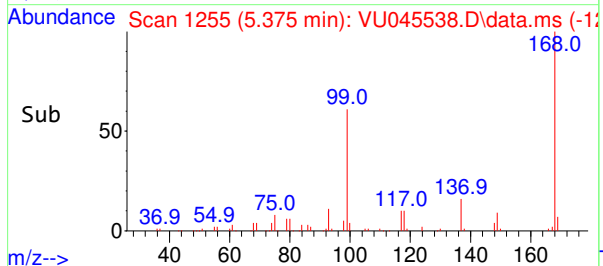
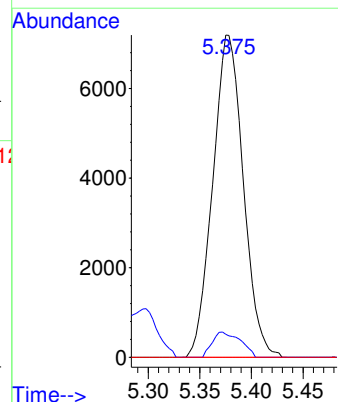
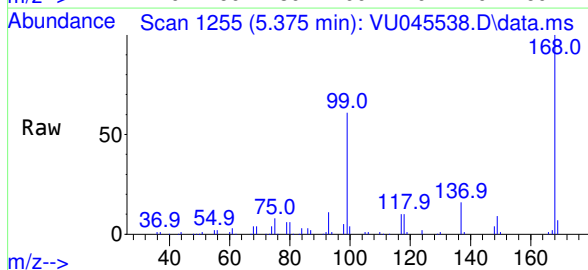




#36
1,1-Dichloropropene
Concen: 4.30 ug/l
RT: 5.375 min Scan# 1
Delta R.T. -0.154 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

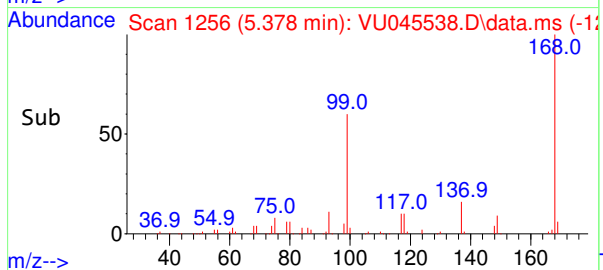
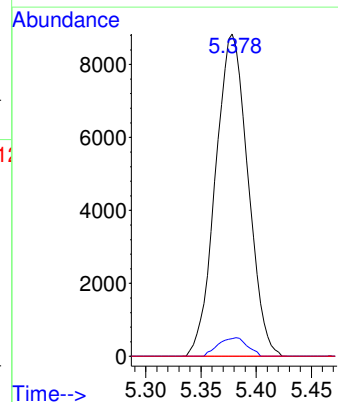
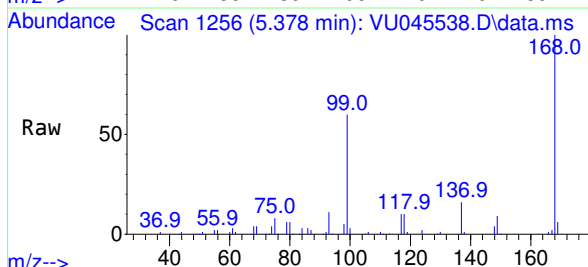
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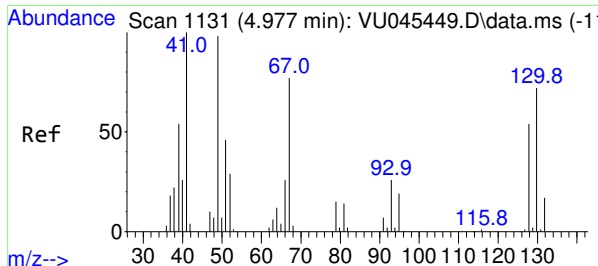
Tgt Ion: 75 Resp: 14820
Ion Ratio Lower Upper
75 100
110 7.3 16.7 50.0#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.00 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

Tgt Ion: 117 Resp: 18060
Ion Ratio Lower Upper
117 100
119 5.5 77.4 116.0#
121 0.0 24.8 37.2#

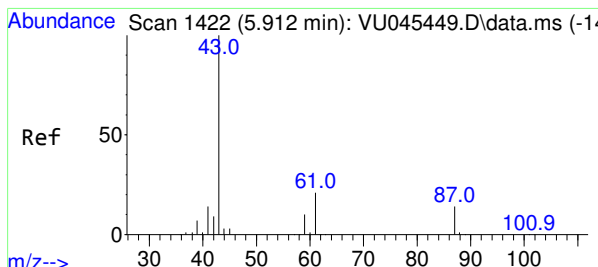
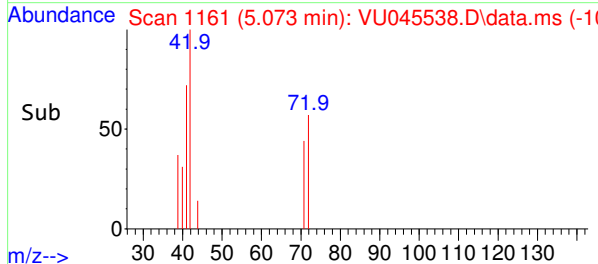
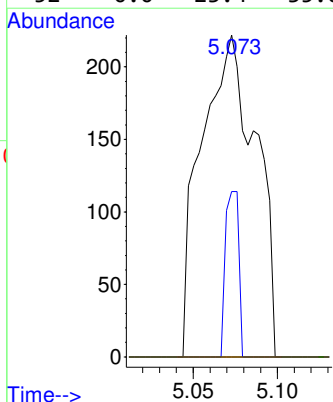
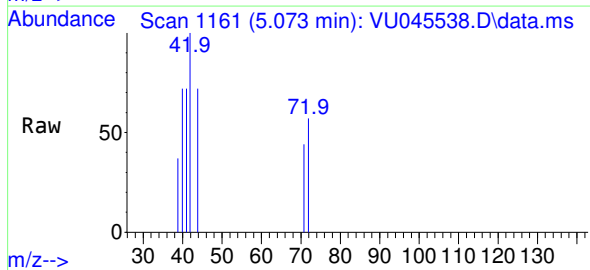




#41
Methacrylonitrile
Concen: 0.22 ug/l
RT: 5.073 min Scan# 1
Delta R.T. 0.096 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

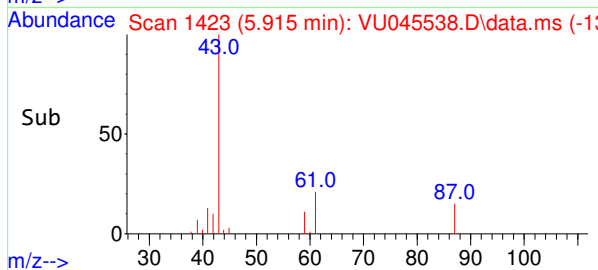
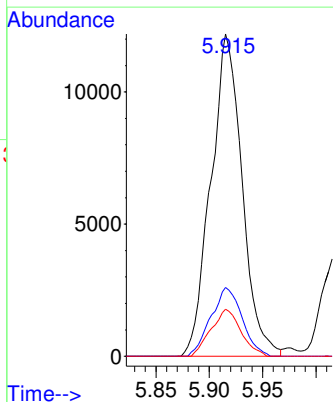
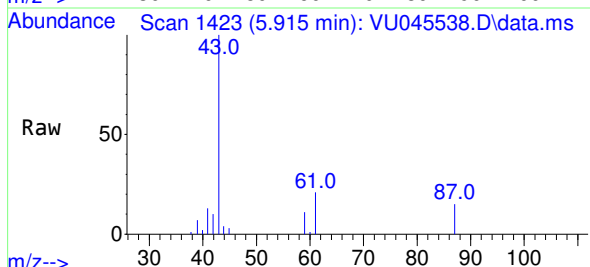
Instrument :
MSVOA_U
ClientSampleId :

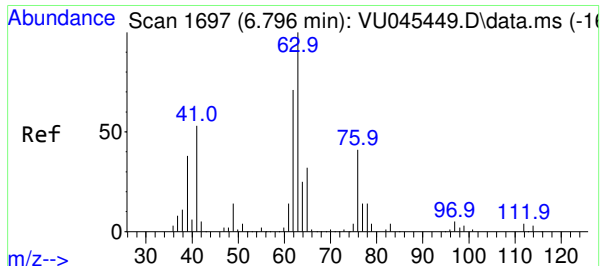
Tgt Ion:	41	Resp:	496
Ion	Ratio	Lower	Upper
41	100		
39	12.7	43.4	65.0#
67	0.0	61.0	91.4#
52	0.0	23.4	35.0#



#43
Isopropyl Acetate
Concen: 3.95 ug/l
RT: 5.915 min Scan# 1423
Delta R.T. 0.003 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

Tgt Ion:	43	Resp:	24846
Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.9	25.3
87	14.0	11.0	16.4

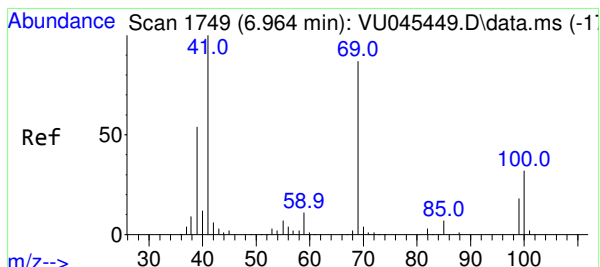
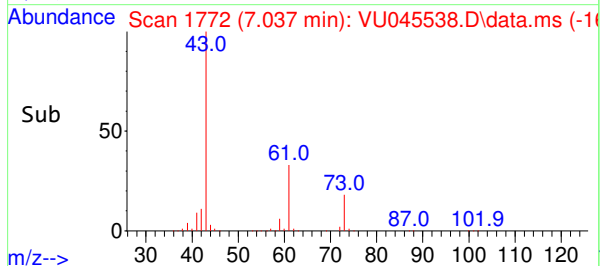
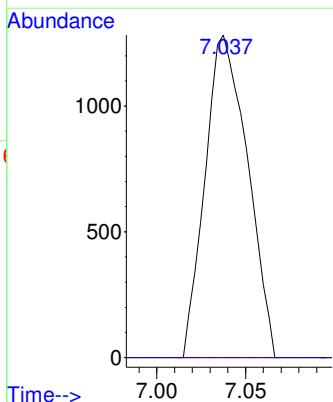
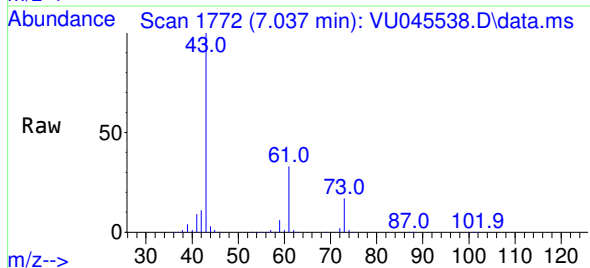




#45
1,2-Dichloropropane
Concen: 0.78 ug/l
RT: 7.037 min Scan# 1
Delta R.T. 0.241 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

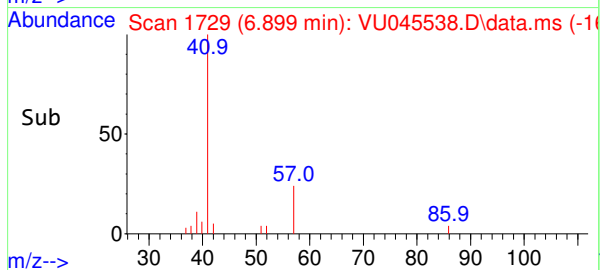
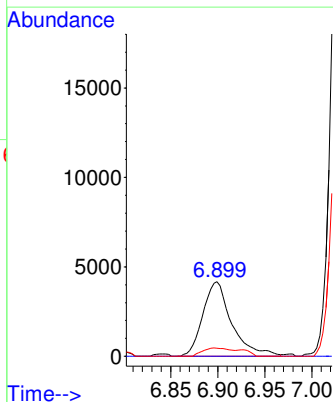
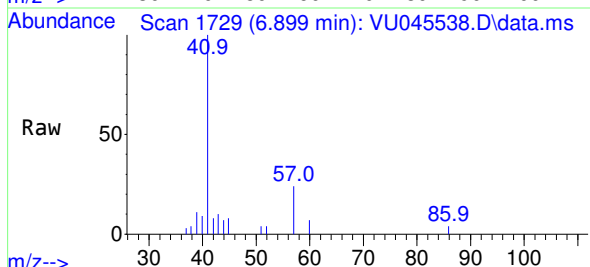
Instrument :
MSVOA_U
ClientSampleId :

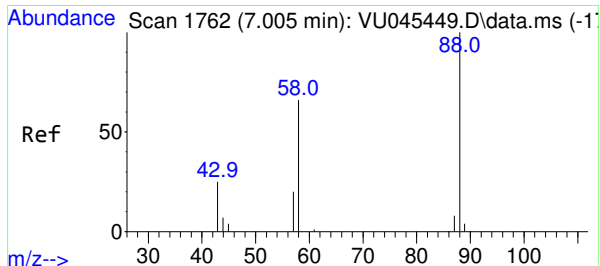
Tgt Ion: 63 Resp: 2130
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#



#48
Methyl methacrylate
Concen: 2.98 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.064 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

Tgt Ion: 41 Resp: 8900
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.2#
39 0.0 43.9 65.9#

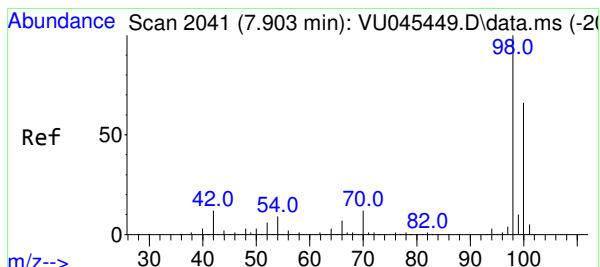
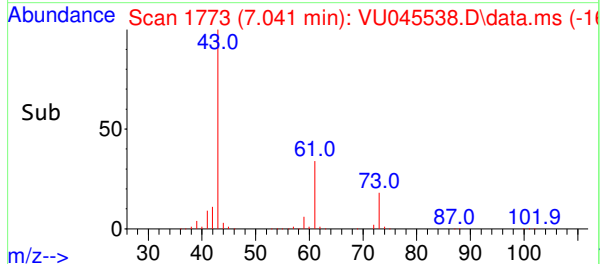
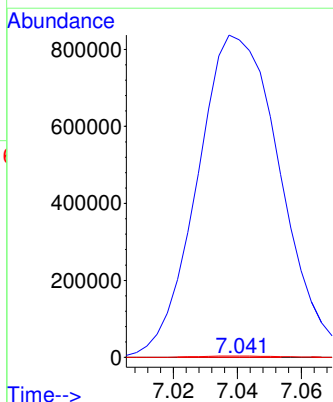
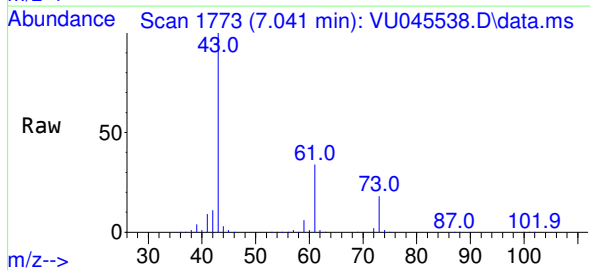




#49
1,4-Dioxane
Concen: 3.05 ug/l
RT: 7.041 min Scan# 1
Delta R.T. 0.035 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

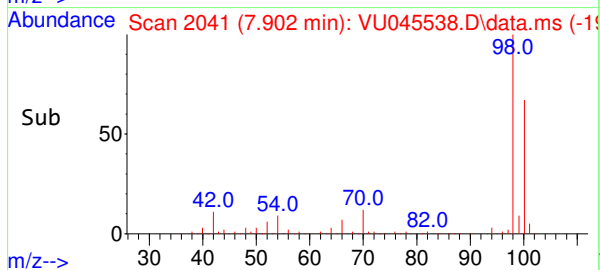
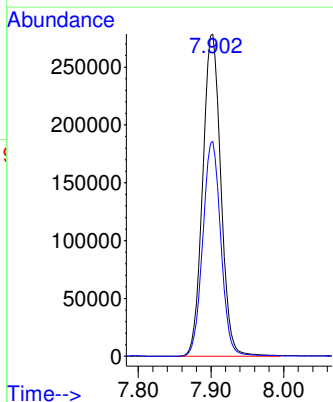
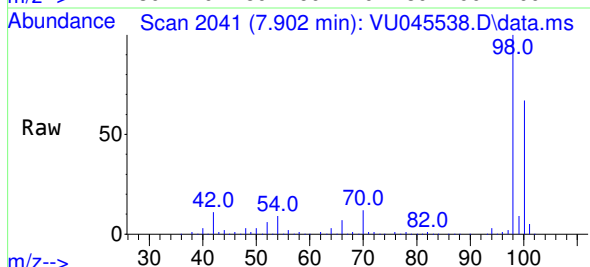
Instrument :
MSVOA_U
ClientSampleId :

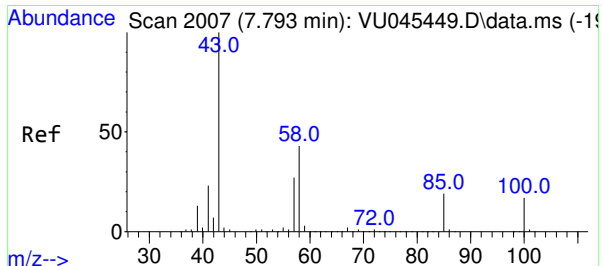
Tgt Ion: 88 Resp: 231
Ion Ratio Lower Upper
88 100
43 665012.1 0.0 0.0#
58 2925.5 58.7 88.1#



#50
Toluene-d8
Concen: 53.55 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

Tgt Ion: 98 Resp: 483982
Ion Ratio Lower Upper
98 100
100 66.4 52.5 78.7

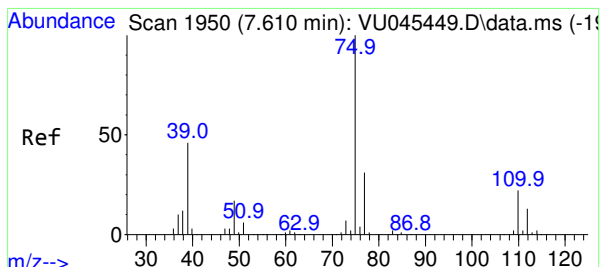
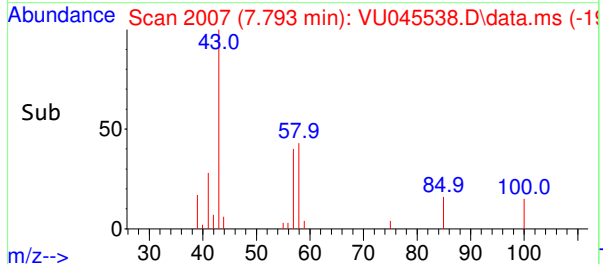
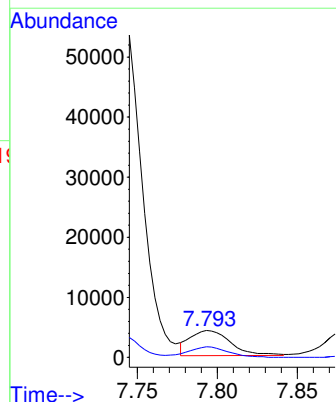
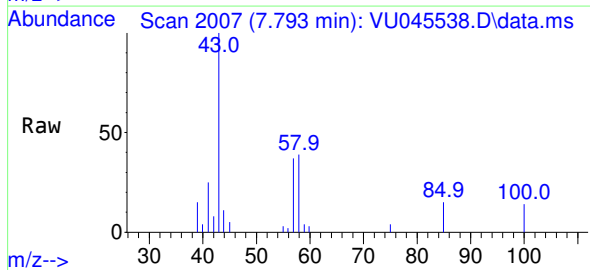




#51
4-Methyl-2-Pentanone
Concen: 1.81 ug/l
RT: 7.793 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

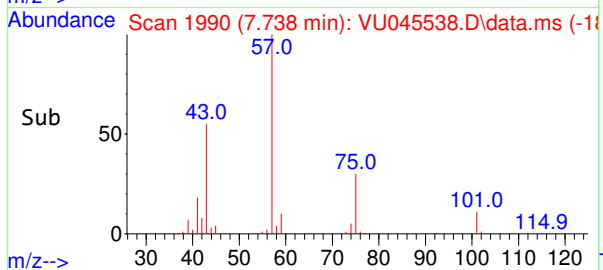
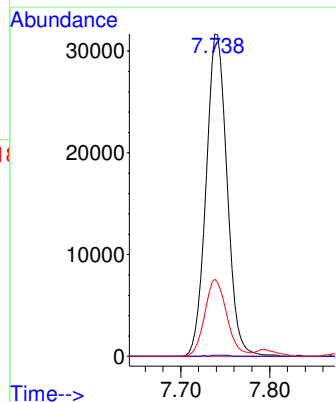
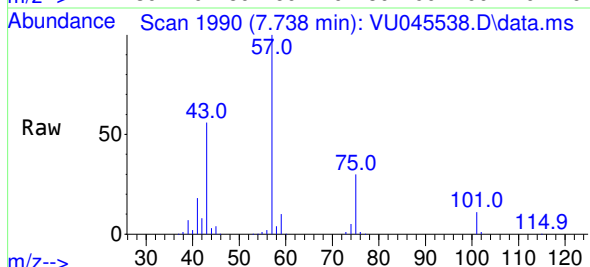
Instrument :
MSVOA_U
ClientSampleId :

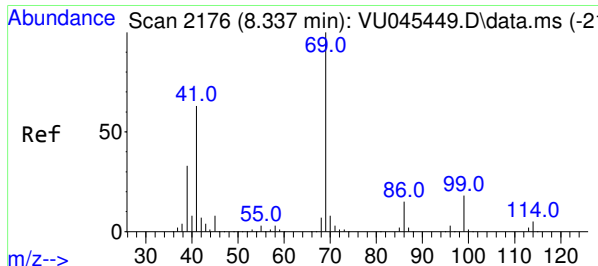
Tgt Ion: 43 Resp: 7352
Ion Ratio Lower Upper
43 100
58 42.0 33.8 50.8



#54
cis-1,3-Dichloropropene
Concen: 12.21 ug/l
RT: 7.738 min Scan# 1990
Delta R.T. 0.128 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

Tgt Ion: 75 Resp: 52224
Ion Ratio Lower Upper
75 100
77 0.3 24.6 37.0#
39 23.9 37.1 55.7#

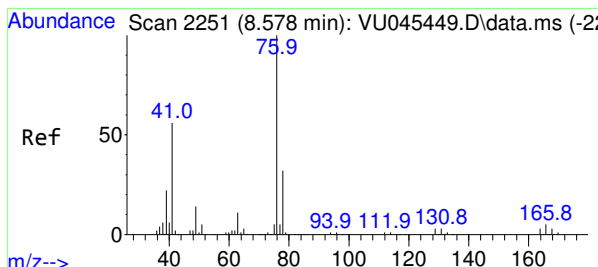
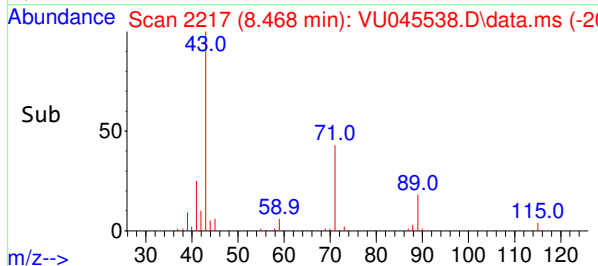
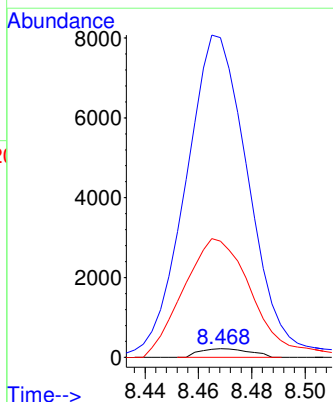
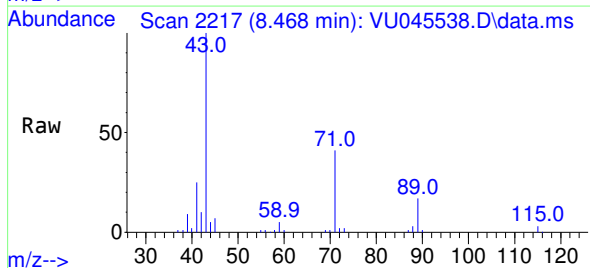




#56
Ethyl methacrylate
Concen: 1.70 ug/l
RT: 8.468 min Scan# 2176
Delta R.T. 0.131 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

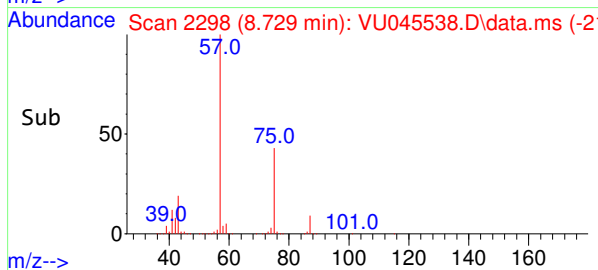
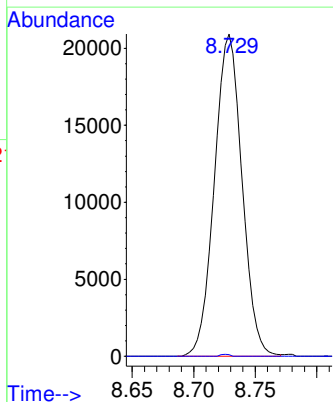
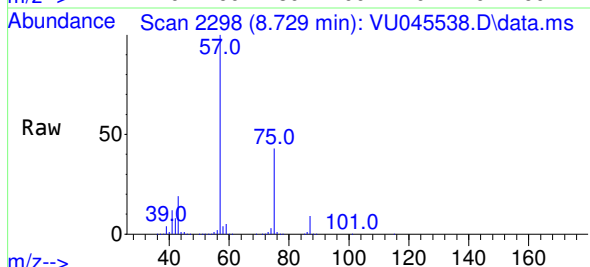
Instrument :
MSVOA_U
ClientSampleId :

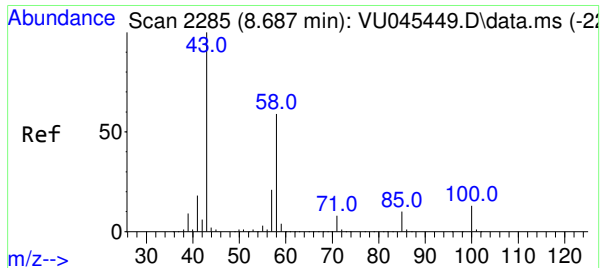
Tgt Ion: 69 Resp: 287
Ion Ratio Lower Upper
69 100
41 4704.5 51.0 76.4#
39 1876.3 26.6 39.8#



#57
1,3-Dichloropropane
Concen: 7.13 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.151 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

Tgt Ion: 76 Resp: 32621
Ion Ratio Lower Upper
76 100
78 0.2 25.8 38.8#

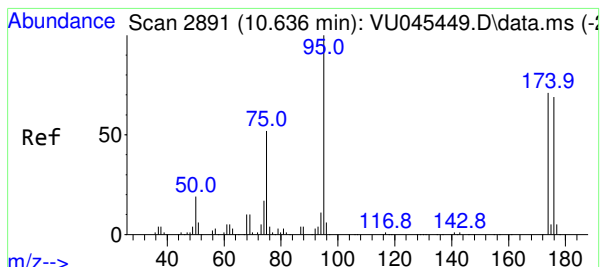
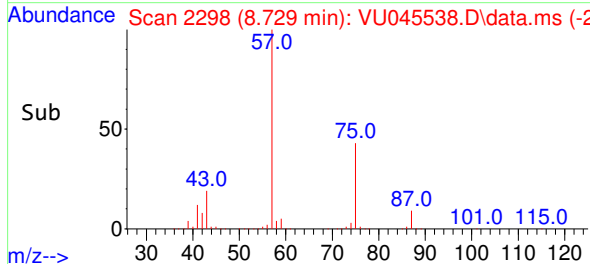
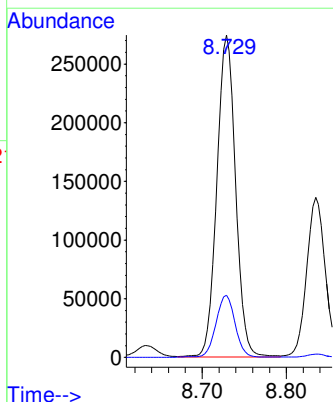
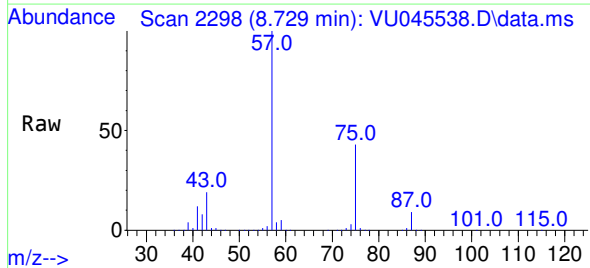




#59
2-Hexanone
Concen: 134.54 ug/l
RT: 8.729 min Scan# 2
Delta R.T. 0.042 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

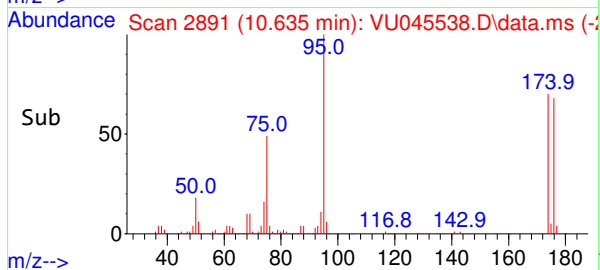
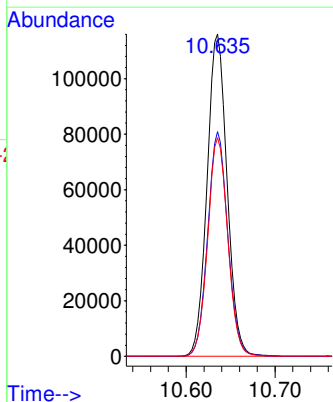
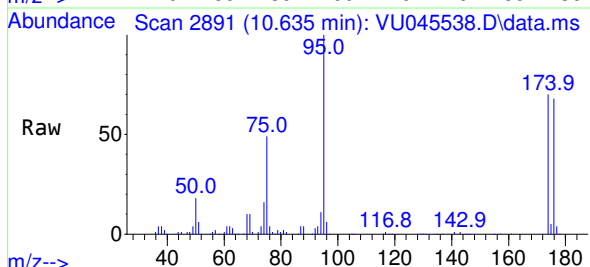
Instrument :
MSVOA_U
ClientSampleId :

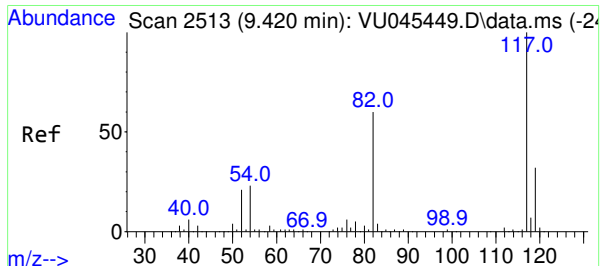
Tgt Ion: 43 Resp: 424288
Ion Ratio Lower Upper
43 100
58 19.9 29.5 88.6#



#62
4-Bromofluorobenzene
Concen: 52.97 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

Tgt Ion: 95 Resp: 182429
Ion Ratio Lower Upper
95 100
174 69.8 0.0 141.8
176 67.7 0.0 138.2

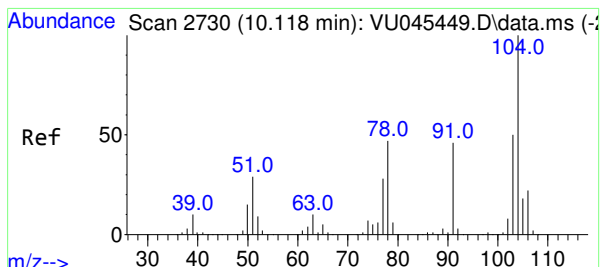
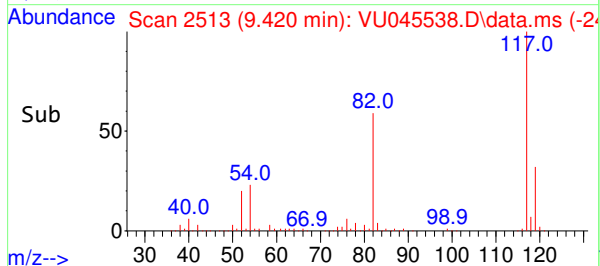
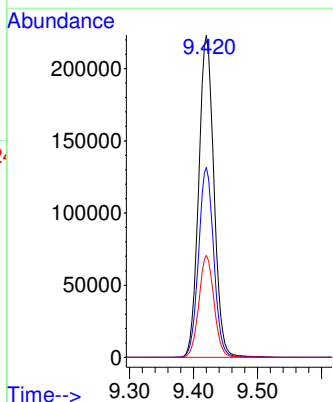
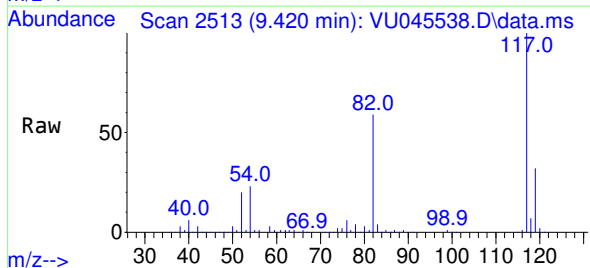




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.420 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

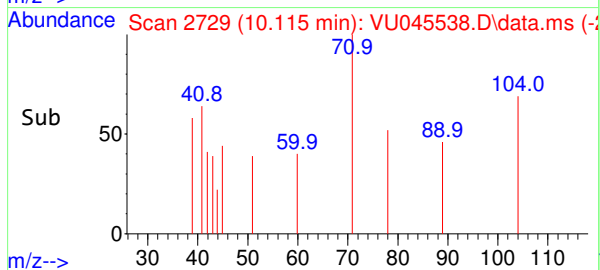
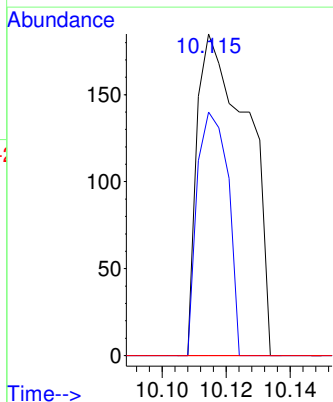
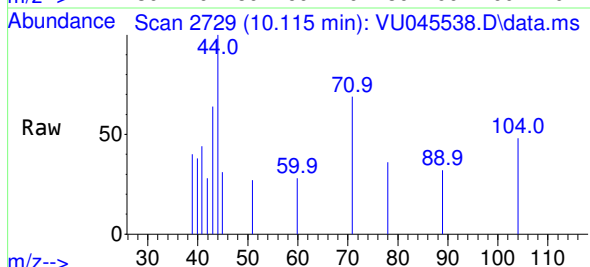
Instrument :
MSVOA_U
ClientSampleId :

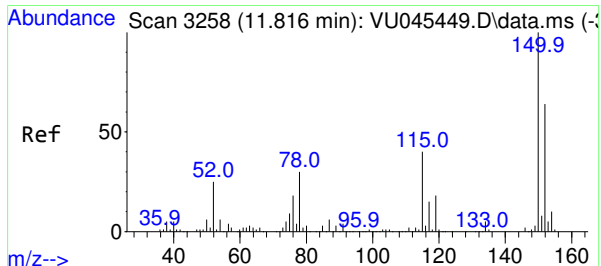
Tgt Ion:	117	Resp:	368771
Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.8	71.8
119	31.7	25.8	38.8



#70
Styrene
Concen: 1.00 ug/l
RT: 10.115 min Scan# 2729
Delta R.T. -0.004 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

Tgt Ion:	104	Resp:	203
Ion	Ratio	Lower	Upper
104	100		
78	46.3	41.8	62.6
103	0.0	43.8	65.6#

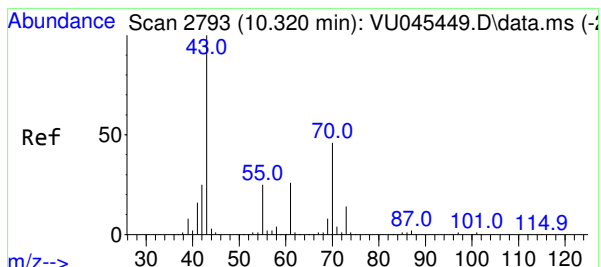
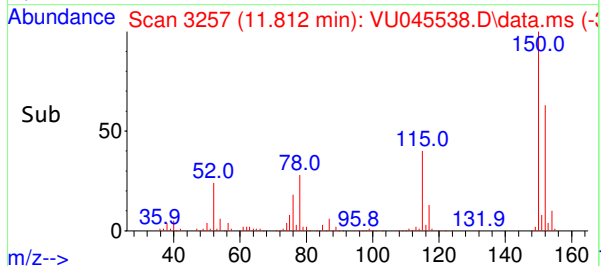
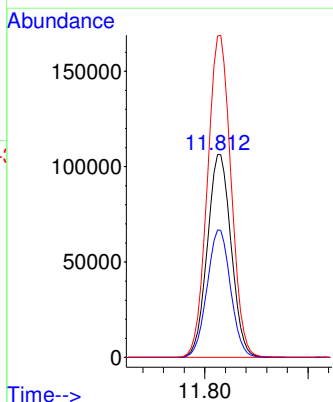
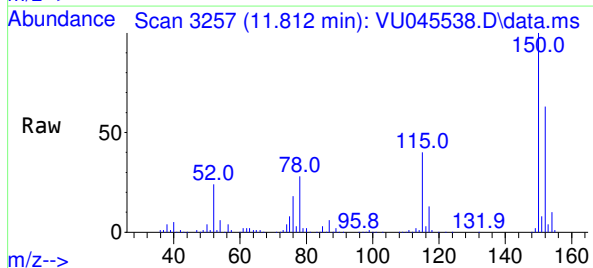




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.812 min Scan# 3
Delta R.T. -0.003 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

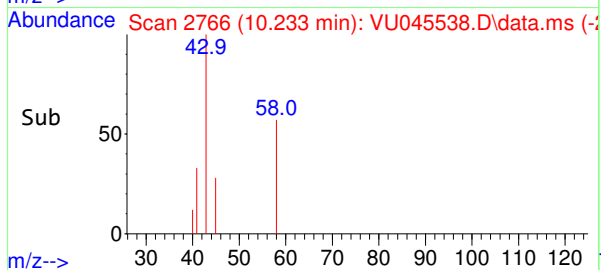
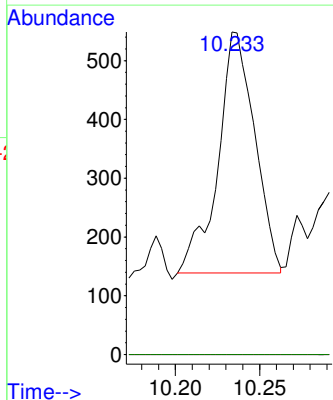
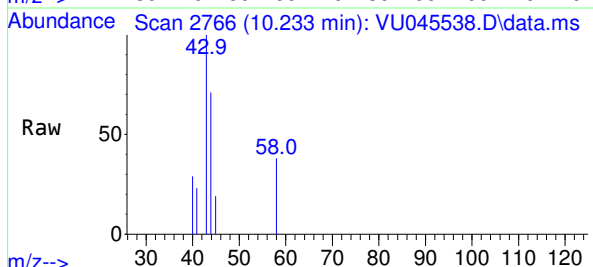
Instrument :
MSVOA_U
ClientSampleId :

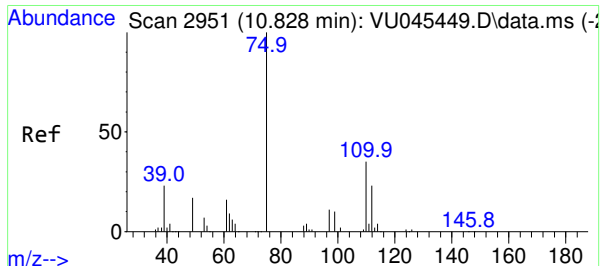
Tgt Ion:	152	Resp:	170457
Ion	Ratio	Lower	Upper
152	100		
115	62.1	42.7	128.1
150	157.6	0.0	346.8



#74
N-ethyl acetate
Concen: 1.26 ug/l
RT: 10.233 min Scan# 2766
Delta R.T. -0.087 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

Tgt Ion:	43	Resp:	626
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.9	55.3#
55	0.0	20.6	31.0#
61	0.0	20.5	30.7#

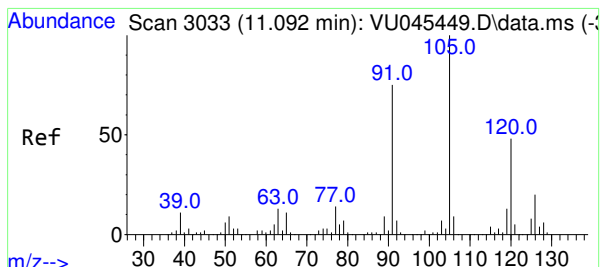
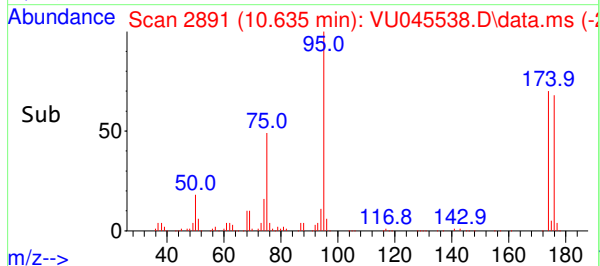
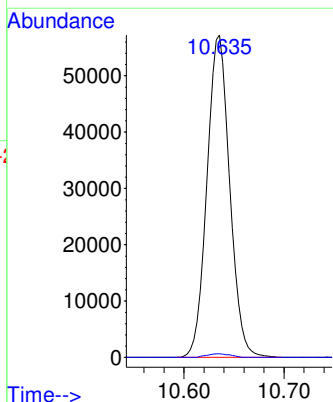
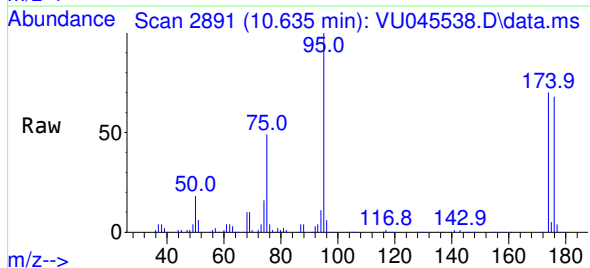




#76
1,2,3-Trichloropropane
Concen: 19.97 ug/l
RT: 10.635 min Scan# 21
Delta R.T. -0.193 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

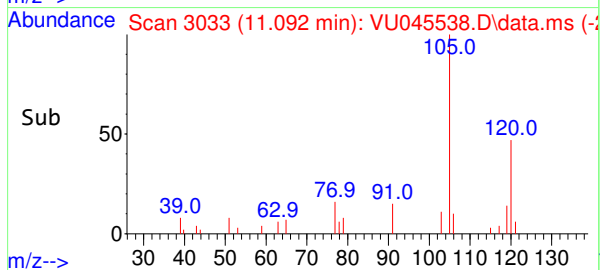
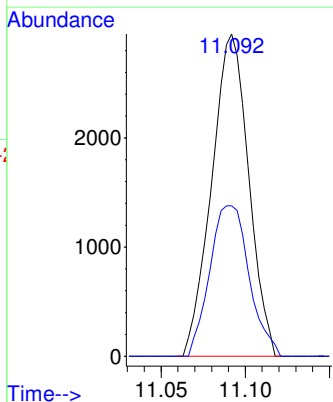
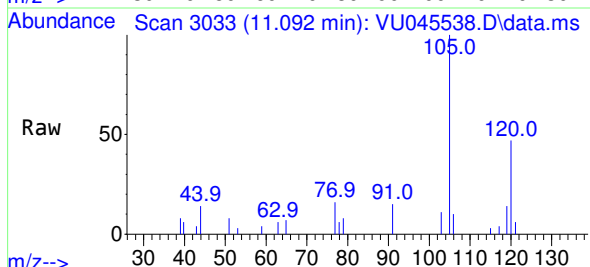
Instrument :
MSVOA_U
ClientSampleId :

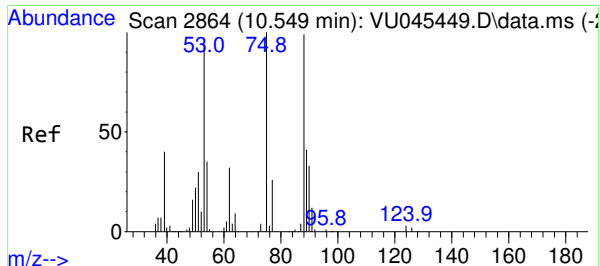
Tgt Ion: 75 Resp: 90717
Ion Ratio Lower Upper
75 100
77 1.2 17.1 51.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.47 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. -0.000 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

Tgt Ion:105 Resp: 4514
Ion Ratio Lower Upper
105 100
120 49.8 23.9 71.8

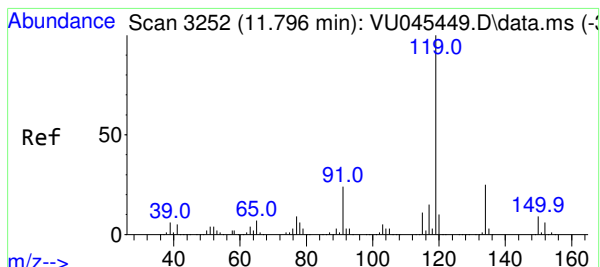
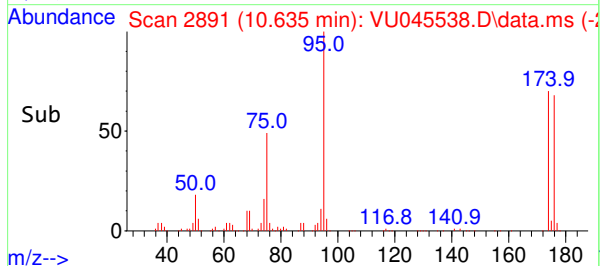
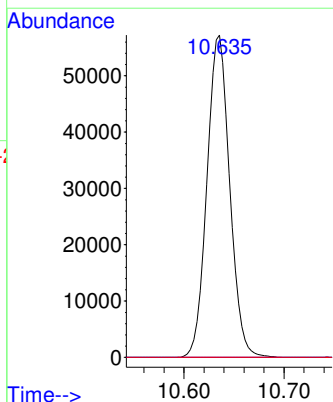
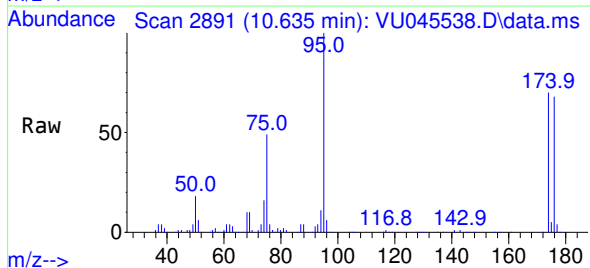




#81
trans-1,4-Dichloro-2-butene
Concen: 55.48 ug/l
RT: 10.635 min Scan# 2
Delta R.T. 0.086 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

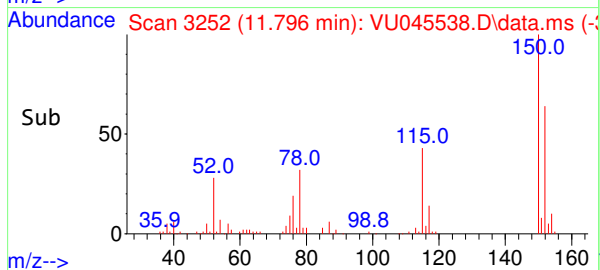
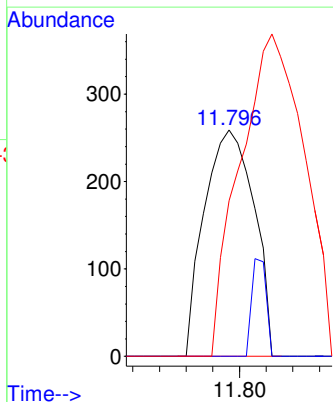
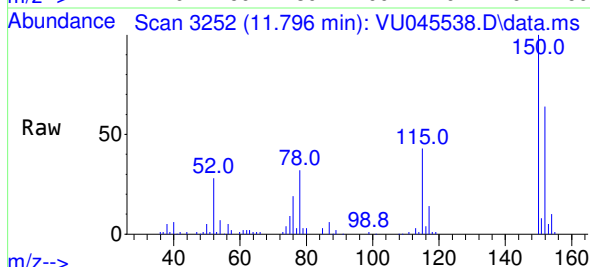
Instrument :
MSVOA_U
ClientSampleId :

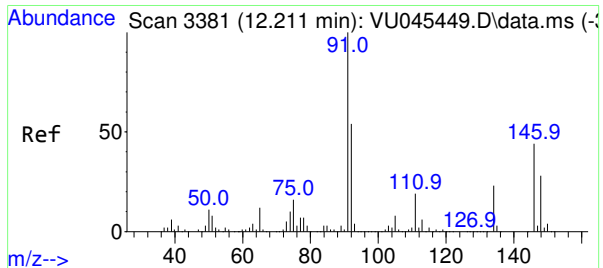
Tgt Ion: 75 Resp: 90717
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#86
p-Isopropyltoluene
Concen: 0.22 ug/l
RT: 11.796 min Scan# 3252
Delta R.T. 0.000 min
Lab File: VU045538.D
Acq: 03 Nov 2021 22:28

Tgt Ion:119 Resp: 335
Ion Ratio Lower Upper
119 100
134 12.5 12.7 38.1#
91 184.2 12.2 36.4#





#89
 n-Butylbenzene
 Concen: 1.00 ug/l
 RT: 12.208 min Scan# 3
 Delta R.T. -0.003 min
 Lab File: VU045538.D
 Acq: 03 Nov 2021 22:28

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:	91	Resp:	686
Ion	Ratio	Lower	Upper
91	100		
92	45.6	27.1	81.2
134	0.0	11.8	35.4#

