

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110521\
 Data File : VU045560.D
 Acq On : 05 Nov 2021 15:51
 Operator : SY/MD
 Sample : M4475-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TWP02

Quant Time: Nov 05 16:35:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

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

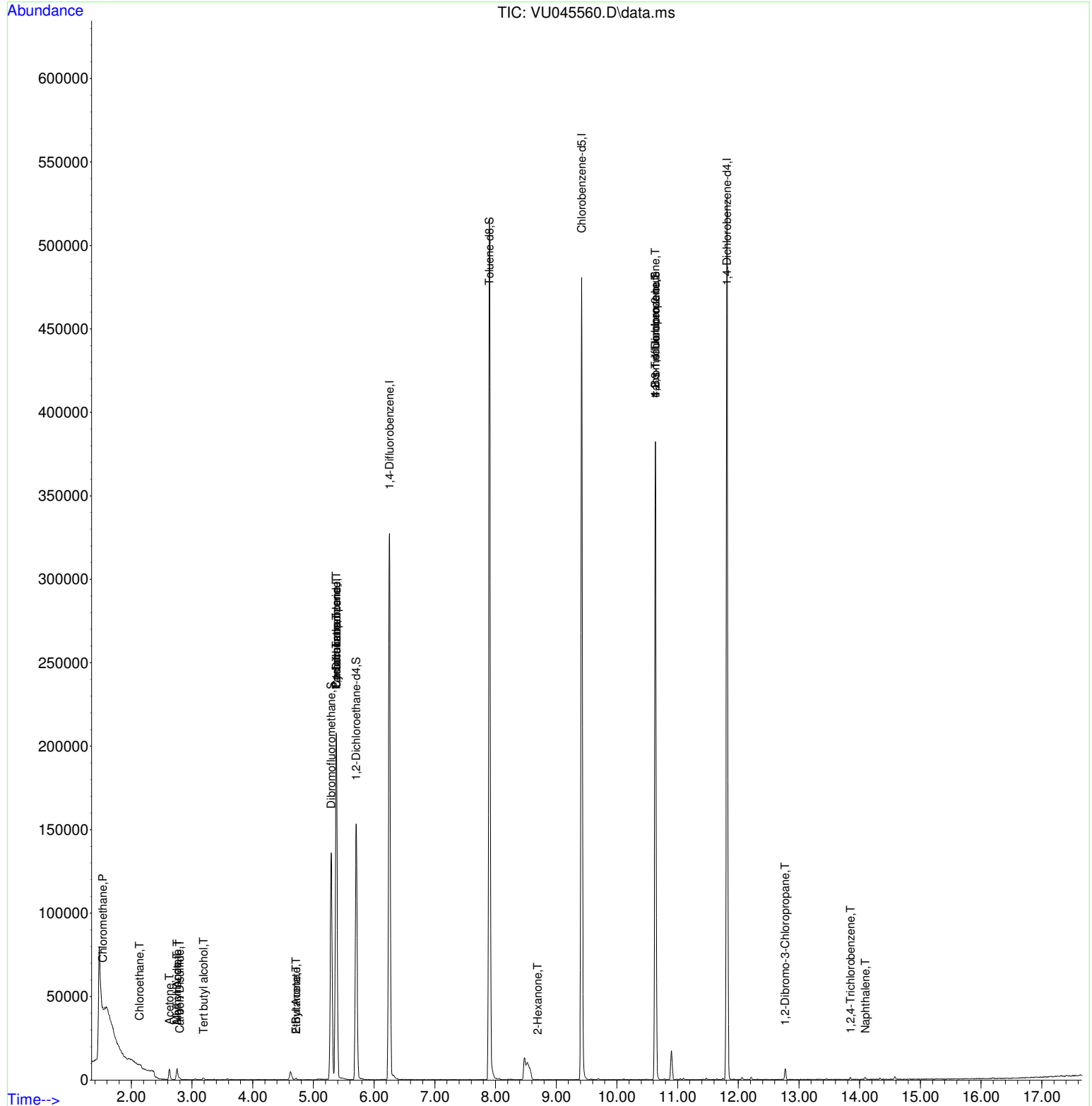
Internal Standards						
1) Pentafluorobenzene	5.379	168	137657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	258053	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	260561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	129770	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	114922	55.74	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.48%			
35) Dibromofluoromethane	5.292	113	87417	50.74	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.48%			
50) Toluene-d8	7.899	98	338315	52.81	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.62%			
62) 4-Bromofluorobenzene	10.632	95	129150	50.27	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.54%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.527	50	752	0.37	ug/l #	41
6) Chloroethane	2.134	64	543	0.42	ug/l #	59
11) Tert butyl alcohol	3.189	59	848	2.08	ug/l #	72
14) Allyl chloride	2.748	41	706	0.26	ug/l #	76
16) Acetone	2.626	43	7253	6.91	ug/l	100
17) Carbon Disulfide	2.797	76	1165	0.27	ug/l #	75
18) Methyl Acetate	2.752	43	1833	0.51	ug/l #	50
25) 2-Butanone	4.710	43	1101	0.76	ug/l	91
31) Cyclohexane	5.375	56	3144	1.05	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	11962	4.75	ug/l #	50
37) Ethyl Acetate	4.710	43	1101	0.38	ug/l #	67
38) Carbon Tetrachloride	5.375	117	14915	5.88	ug/l #	16
59) 2-Hexanone	8.694	43	311	7.65	ug/l #	50
76) 1,2,3-Trichloropropane	10.632	75	66745	16.96	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.632	75	66745	55.23	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	12.771	75	202	0.25	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.848	180	606	0.22	ug/l	90
95) Naphthalene	14.092	128	1512	1.17	ug/l #	82

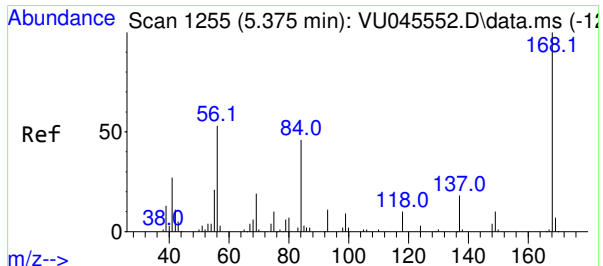
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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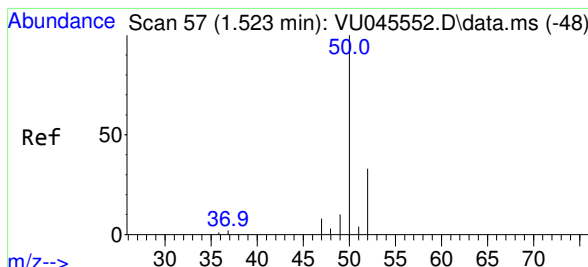
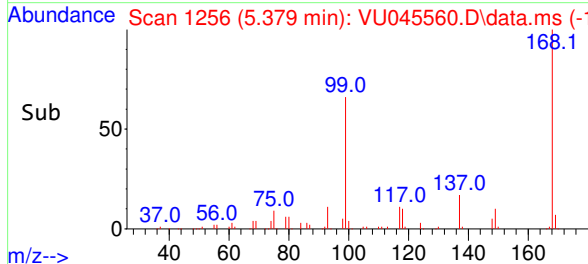
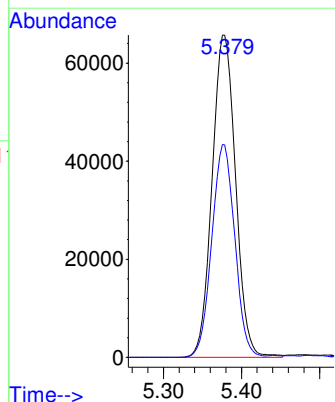
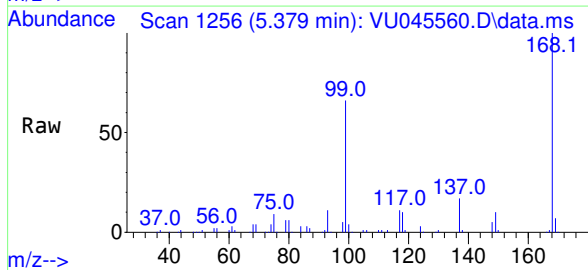




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.379 min Scan# 1
Delta R.T. 0.004 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

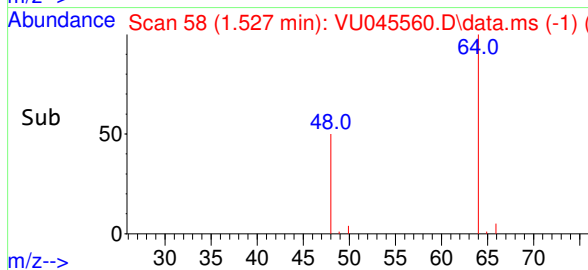
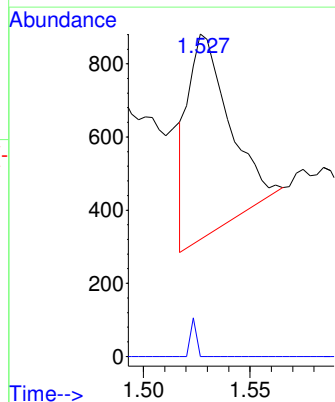
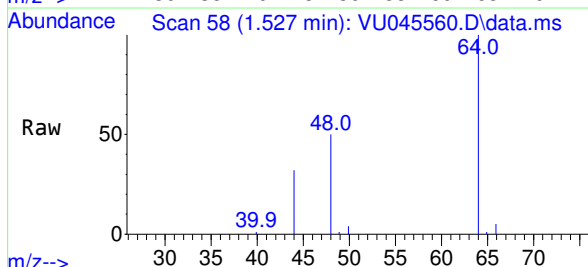
Instrument :
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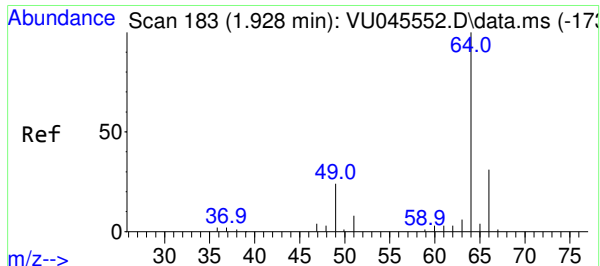
Tgt Ion:168 Resp: 137657
Ion Ratio Lower Upper
168 100
99 65.9 51.0 76.6



#3
Chloromethane
Concen: 0.37 ug/l
RT: 1.527 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

Tgt Ion: 50 Resp: 752
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

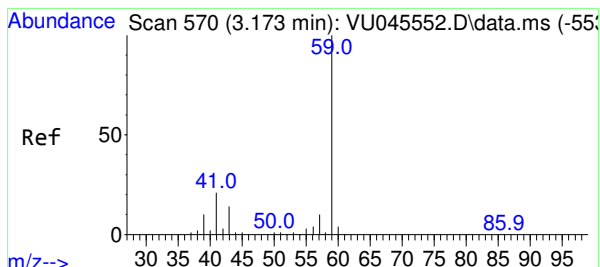
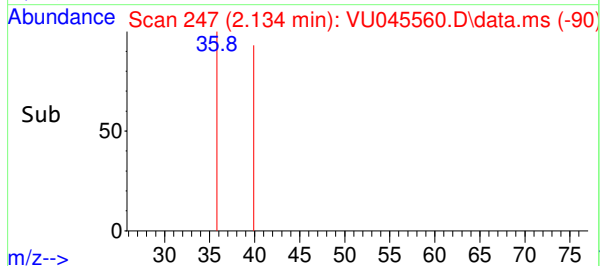
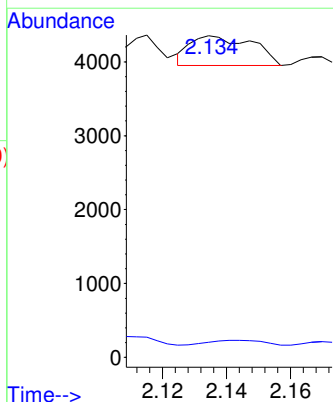
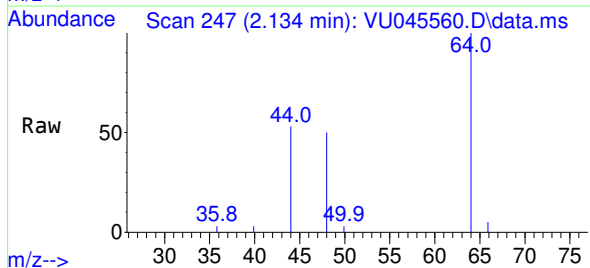




#6
Chloroethane
Concen: 0.42 ug/l
RT: 2.134 min Scan# 21
Delta R.T. 0.206 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

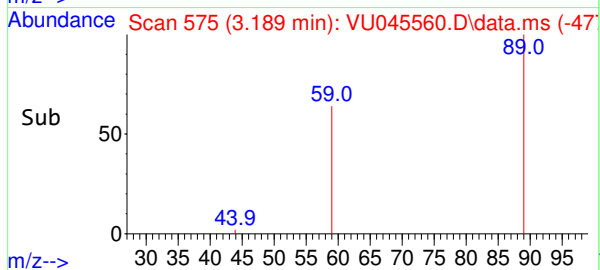
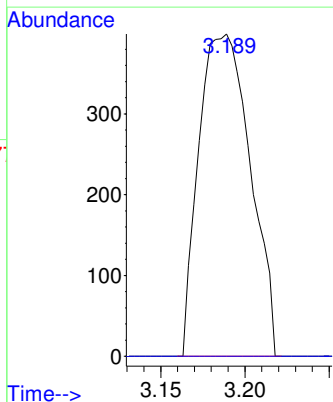
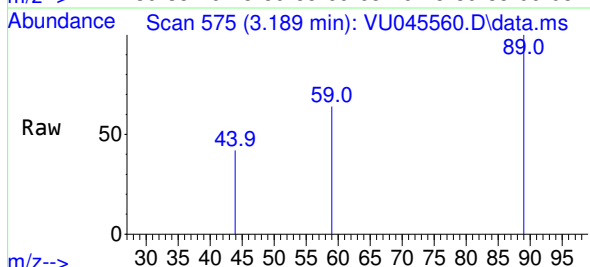
Instrument :
MSVOA_U
ClientSampleId :
TWP02

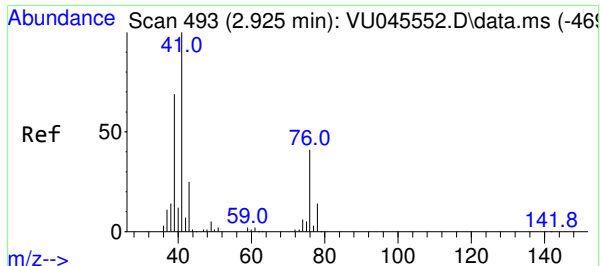
Tgt Ion: 64 Resp: 543
Ion Ratio Lower Upper
64 100
66 10.4 26.7 40.1#



#11
Tert butyl alcohol
Concen: 2.08 ug/l
RT: 3.189 min Scan# 575
Delta R.T. 0.016 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

Tgt Ion: 59 Resp: 848
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

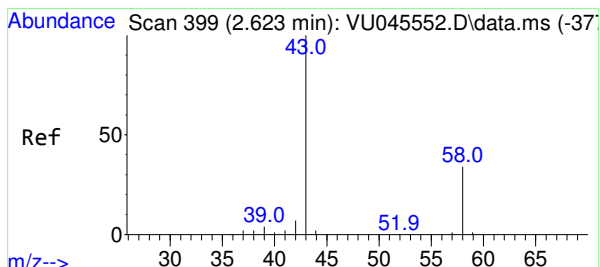
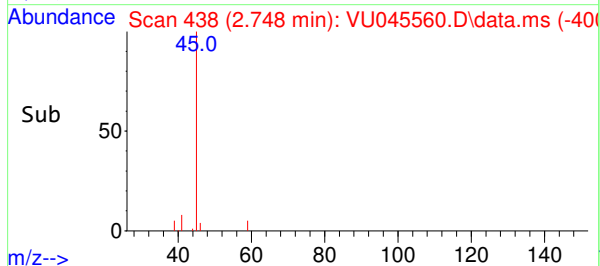
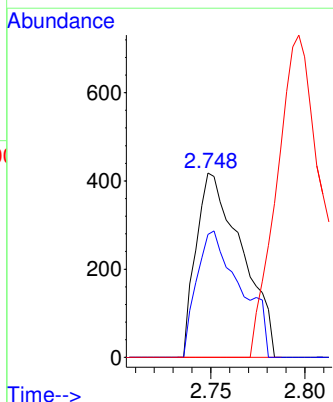
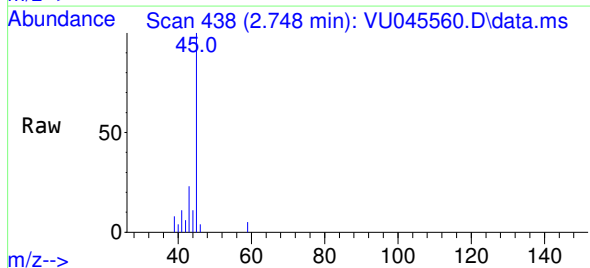




#14
 Allyl chloride
 Concen: 0.26 ug/l
 RT: 2.748 min Scan# 41
 Delta R.T. -0.177 min
 Lab File: VU045560.D
 Acq: 05 Nov 2021 15:51

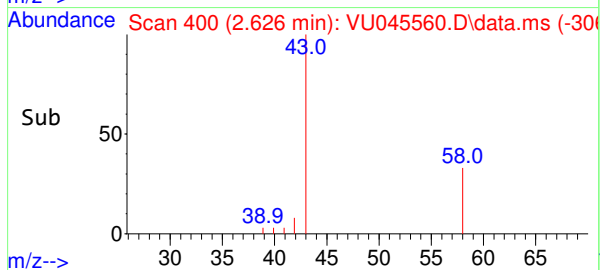
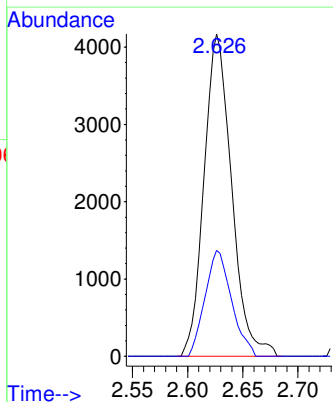
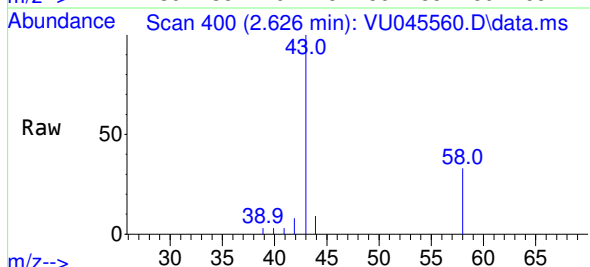
Instrument :
 MSVOA_U
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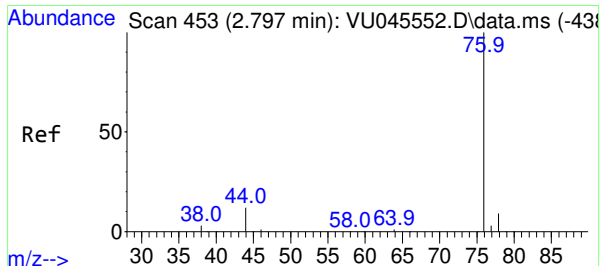
Tgt Ion: 41 Resp: 706
 Ion Ratio Lower Upper
 41 100
 39 65.7 49.7 74.5
 76 0.0 27.7 41.5#



#16
 Acetone
 Concen: 6.91 ug/l
 RT: 2.626 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU045560.D
 Acq: 05 Nov 2021 15:51

Tgt Ion: 43 Resp: 7253
 Ion Ratio Lower Upper
 43 100
 58 32.9 26.2 39.2

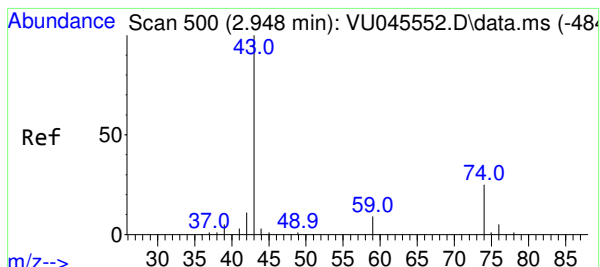
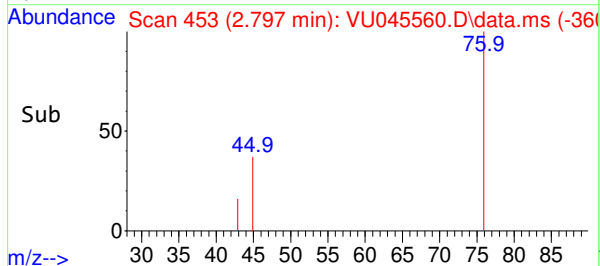
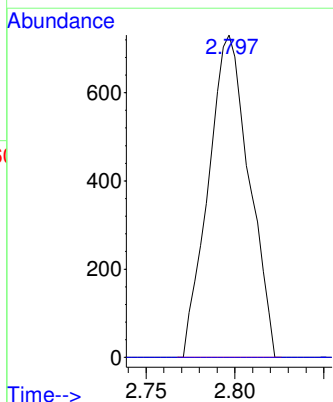
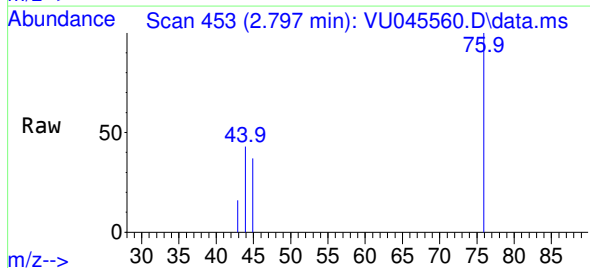




#17
Carbon Disulfide
Concen: 0.27 ug/l
RT: 2.797 min Scan# 417
Delta R.T. 0.000 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

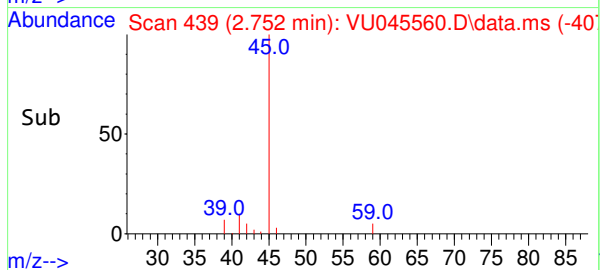
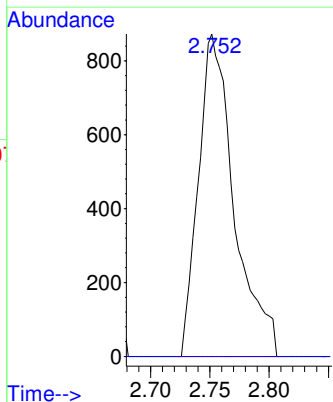
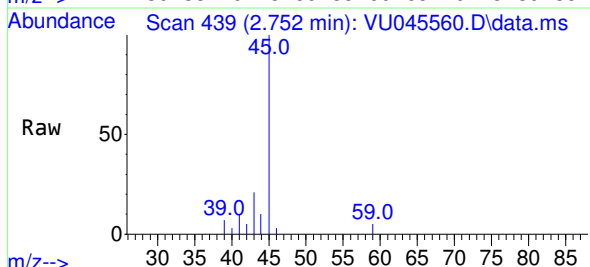
Instrument : MSVOA_U
ClientSampleId : TWP02

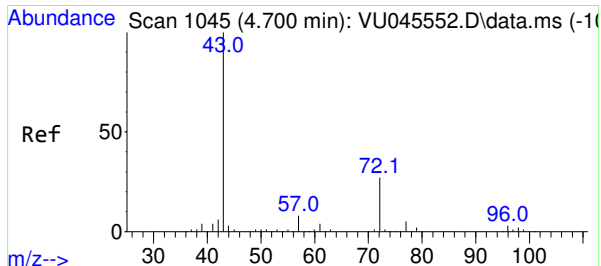
Tgt Ion: 76 Resp: 1165
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: 0.51 ug/l
RT: 2.752 min Scan# 439
Delta R.T. -0.196 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

Tgt Ion: 43 Resp: 1833
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#

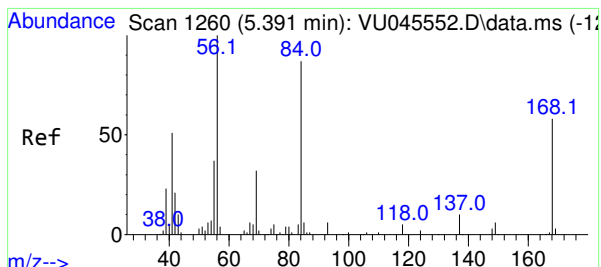
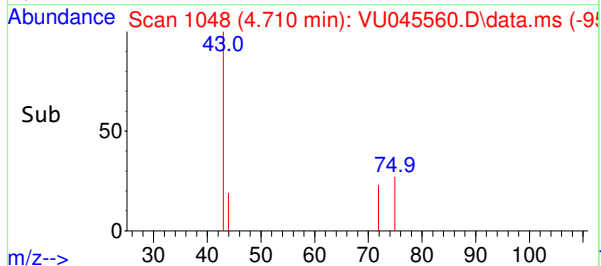
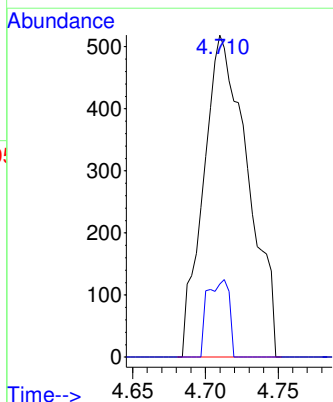
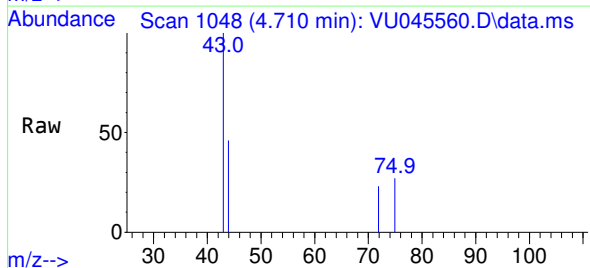




#25
2-Butanone
Concen: 0.76 ug/l
RT: 4.710 min Scan# 1101
Delta R.T. 0.010 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

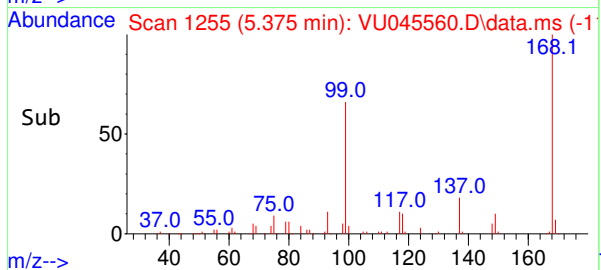
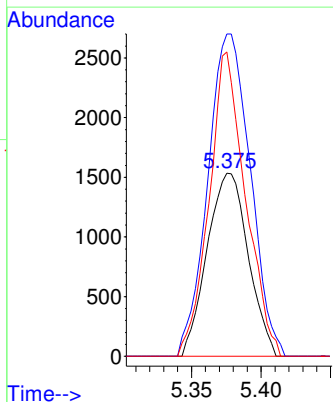
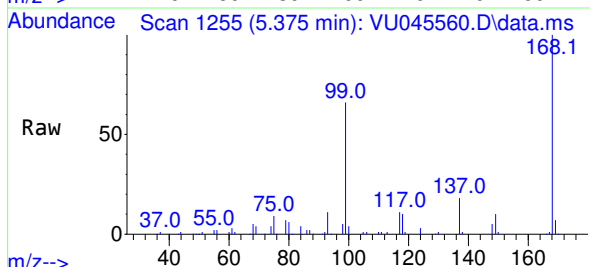
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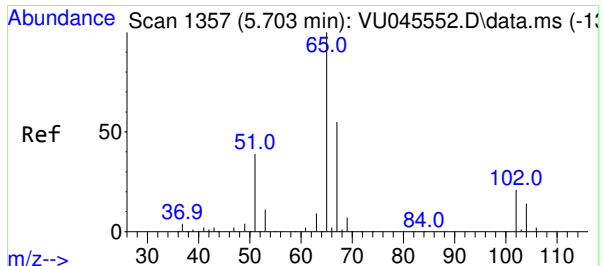
Tgt Ion: 43 Resp: 1101
Ion Ratio Lower Upper
43 100
72 22.7 22.0 33.0



#31
Cyclohexane
Concen: 1.05 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

Tgt Ion: 56 Resp: 3144
Ion Ratio Lower Upper
56 100
69 176.0 26.4 39.6#
84 166.2 68.4 102.6#

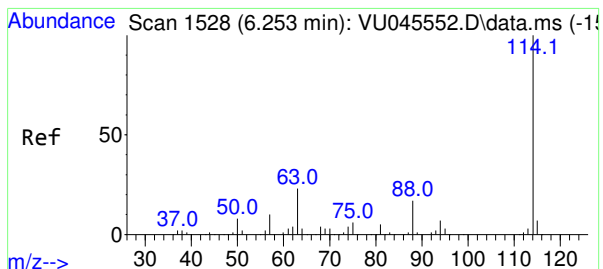
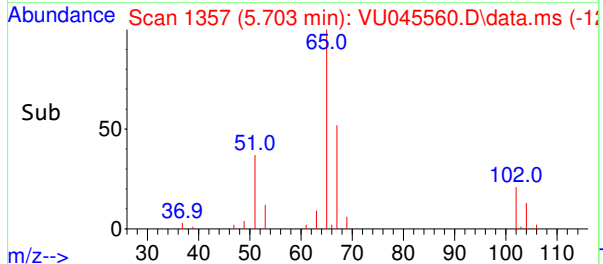
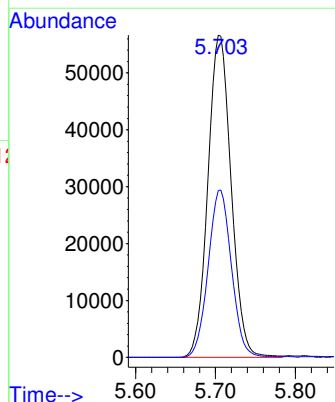
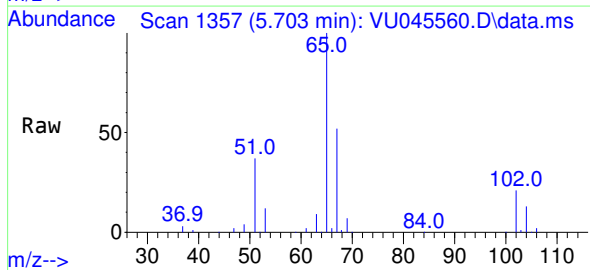




#33
1,2-Dichloroethane-d4
Concen: 55.74 ug/l
RT: 5.703 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

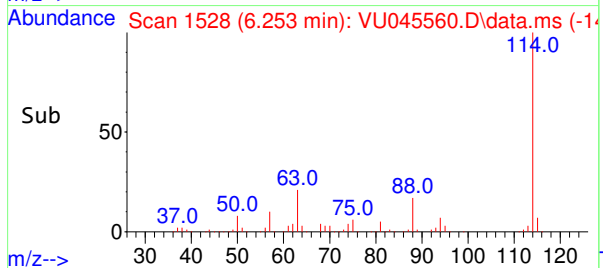
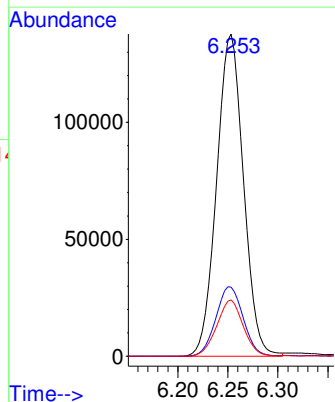
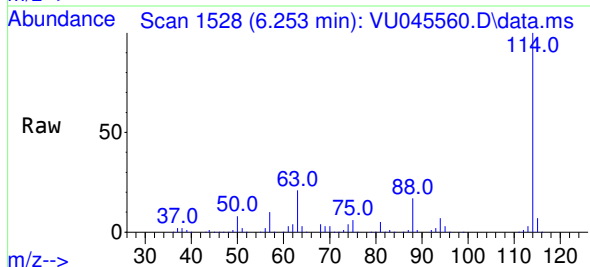
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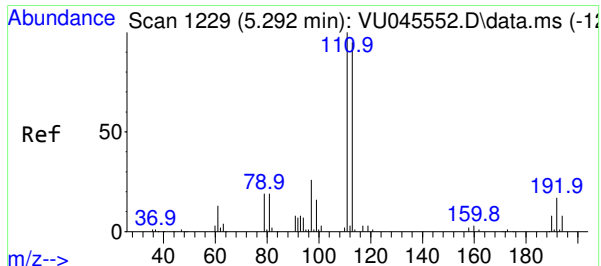
Tgt Ion: 65 Resp: 114922
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

Tgt Ion: 114 Resp: 258053
Ion Ratio Lower Upper
114 100
63 21.5 0.0 45.6
88 17.5 0.0 33.8

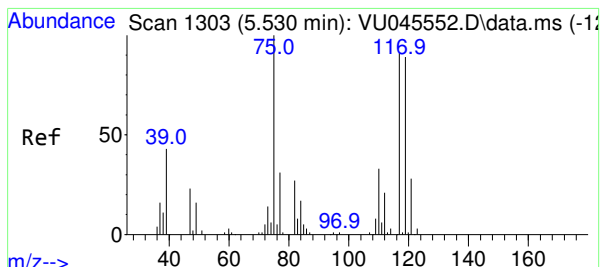
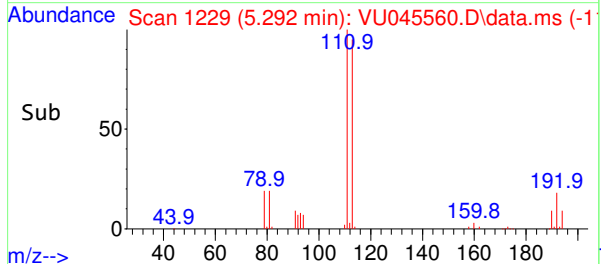
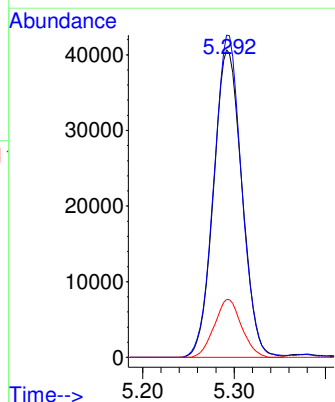
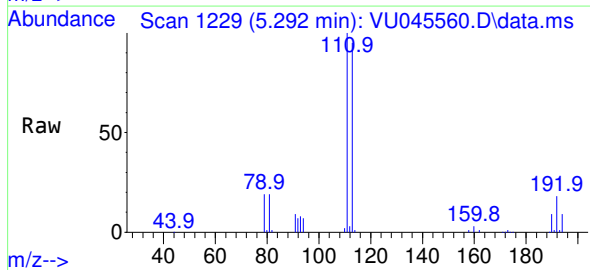




#35
Dibromofluoromethane
Concen: 50.74 ug/l
RT: 5.292 min Scan# 113
Delta R.T. 0.000 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

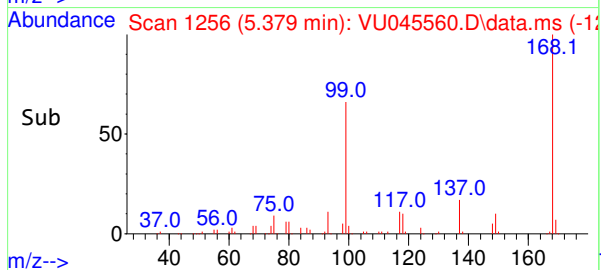
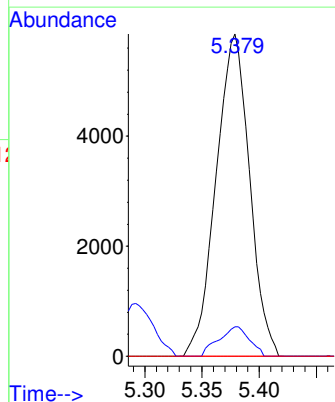
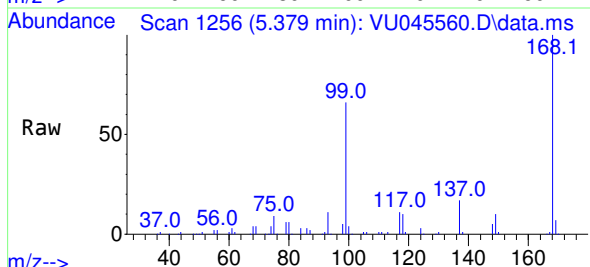
Instrument :
MSVOA_U
ClientSampleId :
TWP02

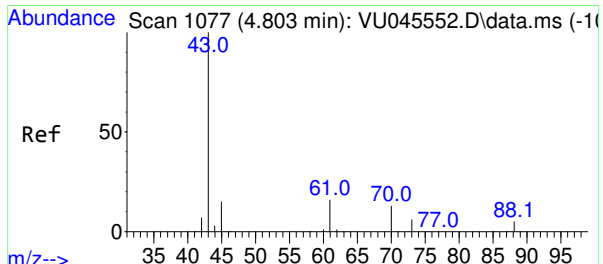
Tgt Ion:113 Resp: 87417
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 18.2 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.75 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

Tgt Ion: 75 Resp: 11962
Ion Ratio Lower Upper
75 100
110 8.4 16.7 50.0#
77 0.0 25.0 37.4#

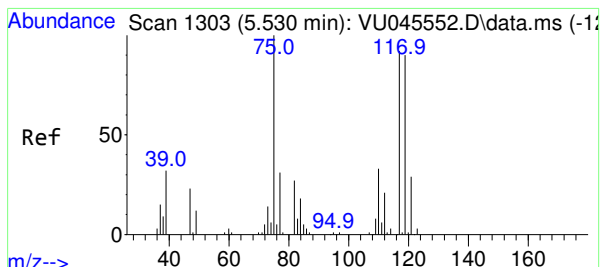
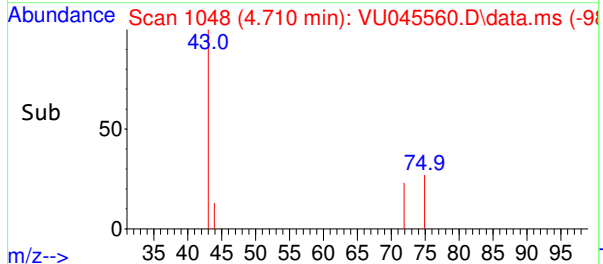
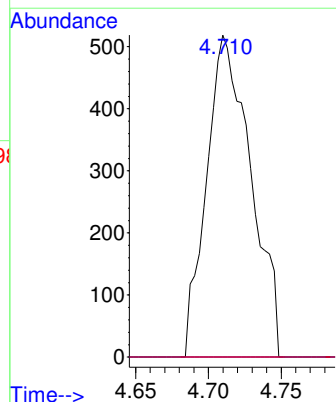
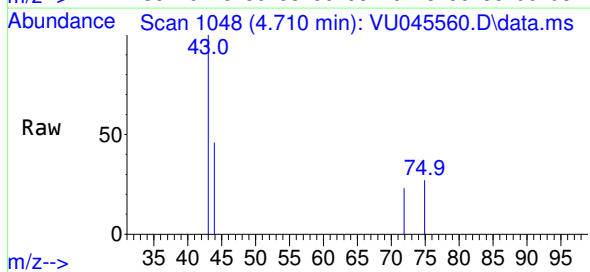




#37
Ethyl Acetate
Concen: 0.38 ug/l
RT: 4.710 min Scan# 1101
Delta R.T. -0.093 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

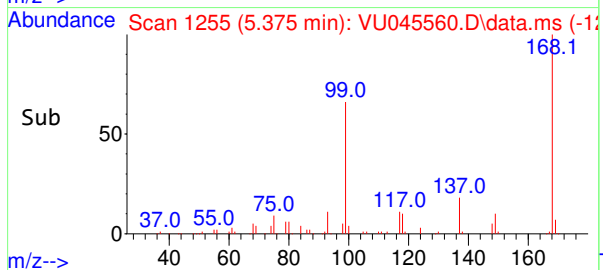
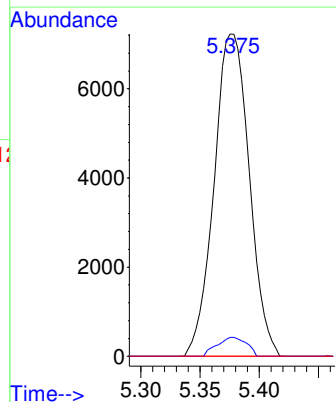
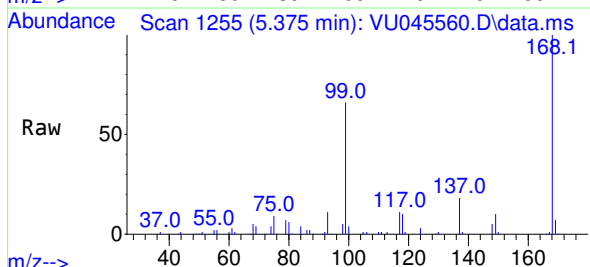
Instrument :
MSVOA_U
ClientSampleId :
TWP02

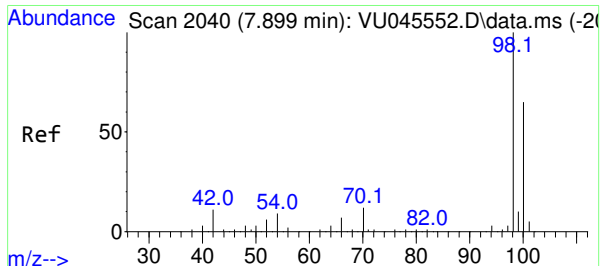
Tgt Ion:	43	Resp:	1101
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	9.1	13.7#



#38
Carbon Tetrachloride
Concen: 5.88 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

Tgt Ion:	117	Resp:	14915
Ion	Ratio	Lower	Upper
117	100		
119	5.9	77.4	116.0#
121	0.0	24.8	37.2#

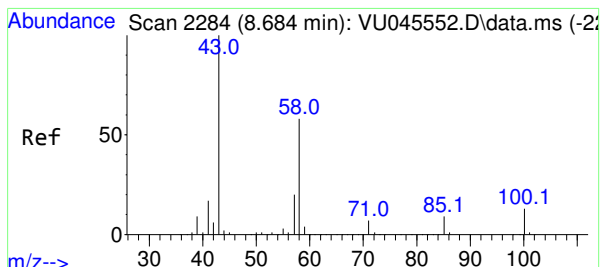
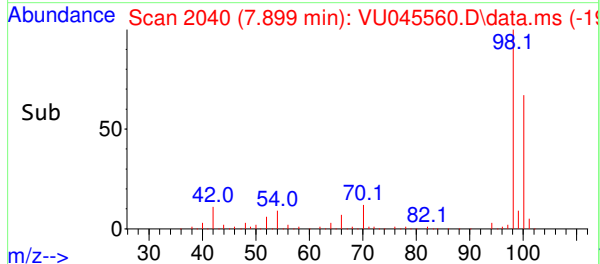
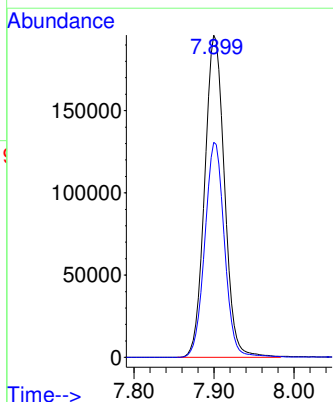
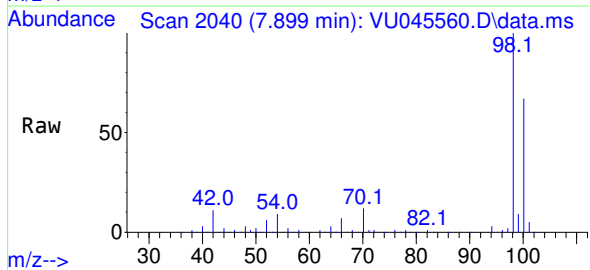




#50
Toluene-d8
Concen: 52.81 ug/l
RT: 7.899 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

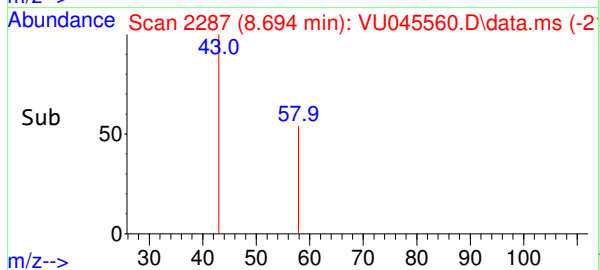
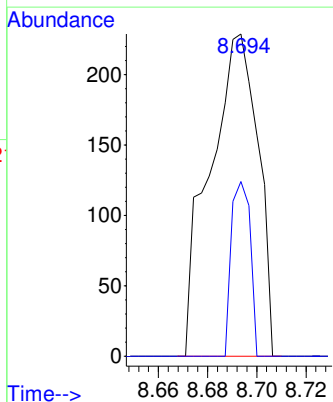
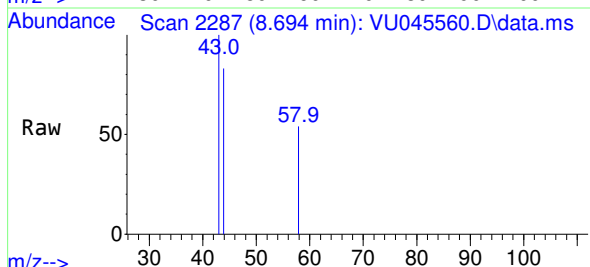
Instrument :
MSVOA_U
ClientSampleId :
TWP02

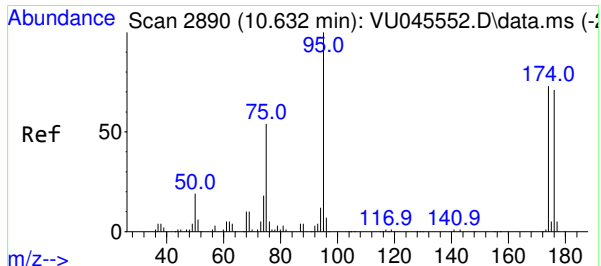
Tgt Ion: 98 Resp: 338315
Ion Ratio Lower Upper
98 100
100 66.4 52.5 78.7



#59
2-Hexanone
Concen: 7.65 ug/l
RT: 8.694 min Scan# 2287
Delta R.T. 0.010 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

Tgt Ion: 43 Resp: 311
Ion Ratio Lower Upper
43 100
58 21.2 29.5 88.6#

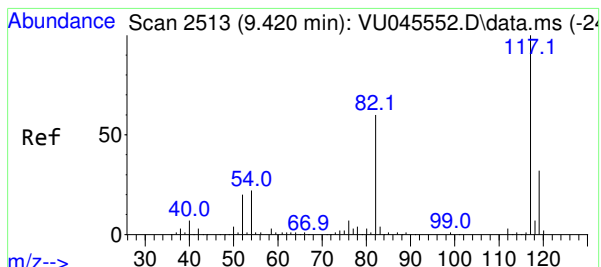
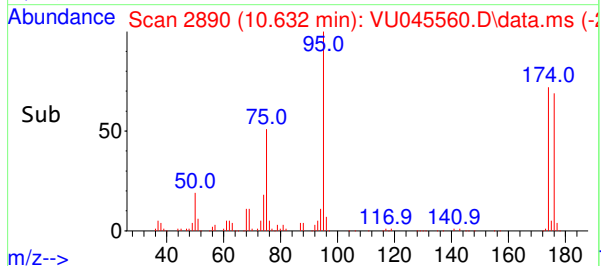
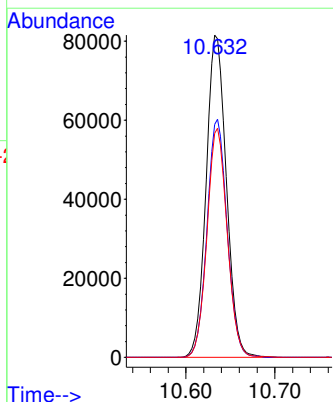
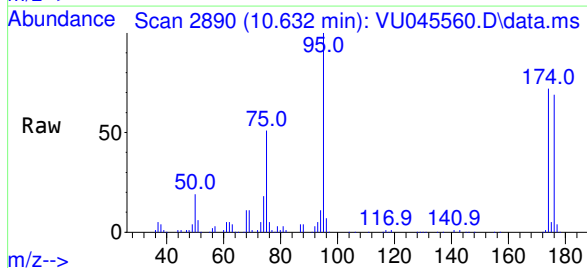




#62
4-Bromofluorobenzene
Concen: 50.27 ug/l
RT: 10.632 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

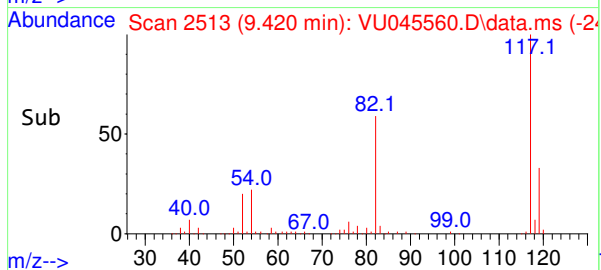
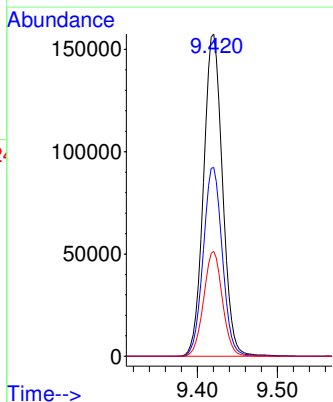
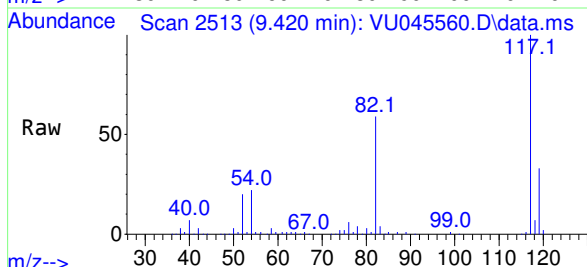
Instrument :
MSVOA_U
ClientSampleId :
TWP02

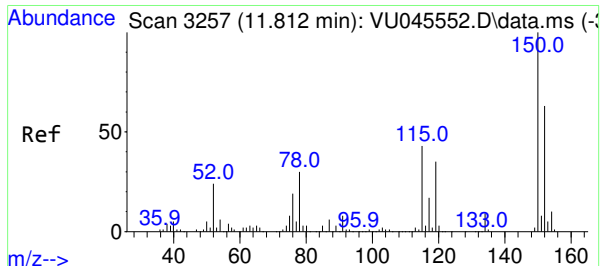
Tgt Ion:	95	Resp:	129150
Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	141.8
176	70.8	0.0	138.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

Tgt Ion:	117	Resp:	260561
Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.8	71.8
119	32.6	25.8	38.8

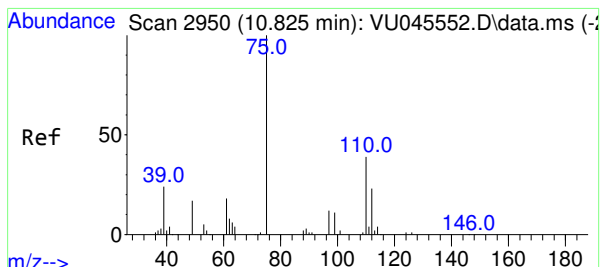
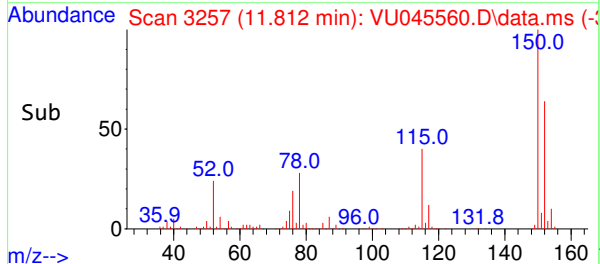
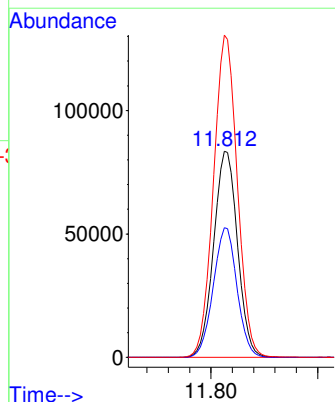
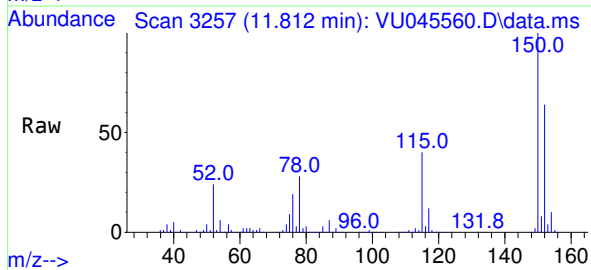




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.812 min Scan# 3
Delta R.T. 0.000 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

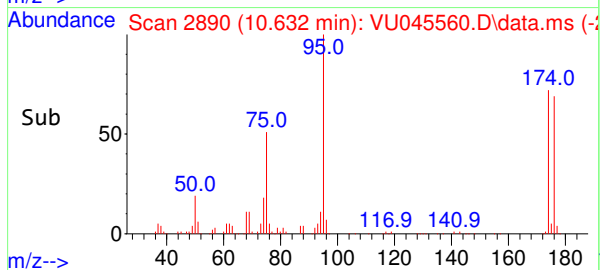
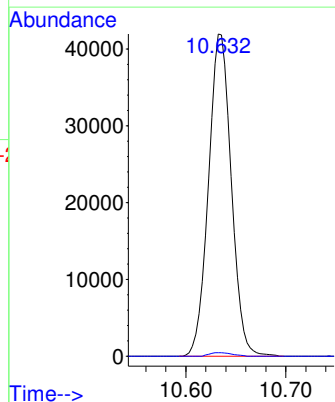
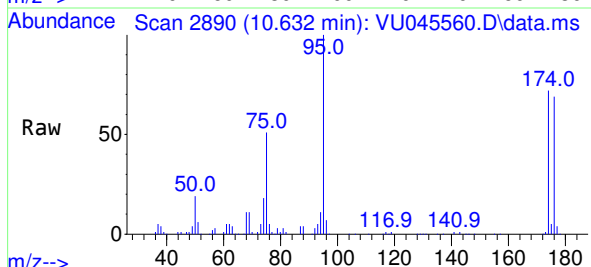
Instrument :
MSVOA_U
ClientSampleId :
TWP02

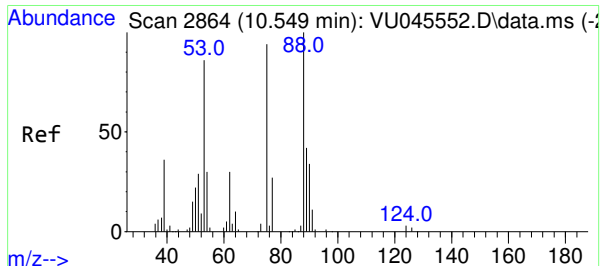
Tgt Ion:152 Resp: 129770
Ion Ratio Lower Upper
152 100
115 62.6 42.7 128.1
150 156.0 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 16.96 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.193 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

Tgt Ion: 75 Resp: 66745
Ion Ratio Lower Upper
75 100
77 1.1 17.1 51.3#

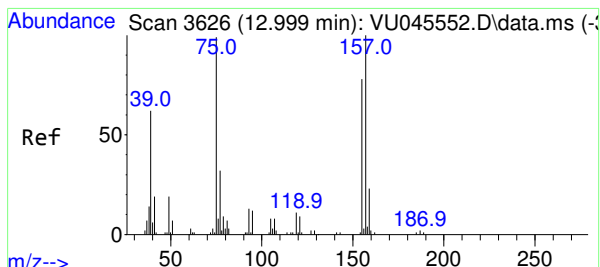
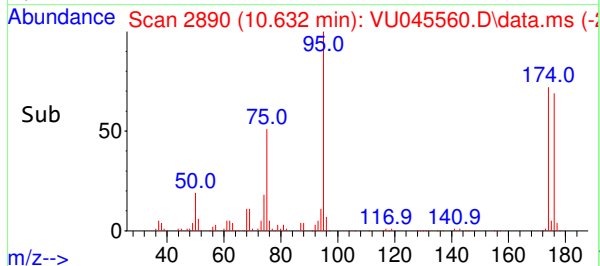
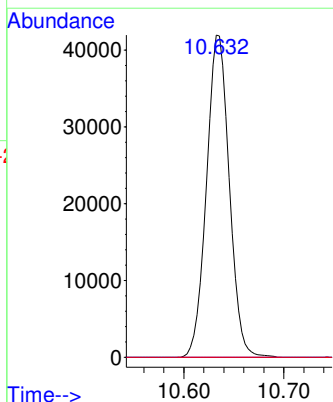
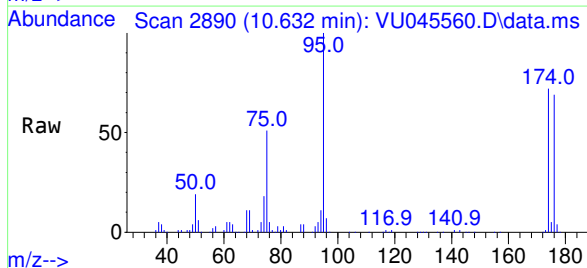




#81
trans-1,4-Dichloro-2-butene
Concen: 55.23 ug/l
RT: 10.632 min Scan# 2
Delta R.T. 0.083 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

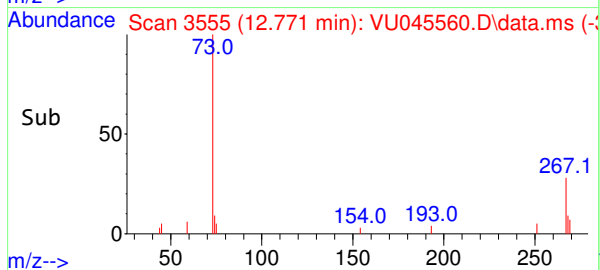
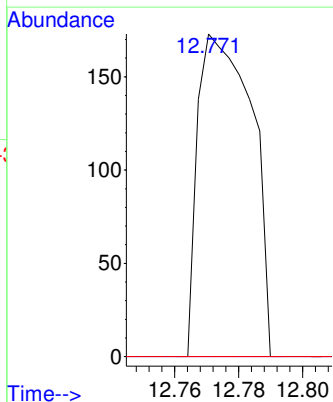
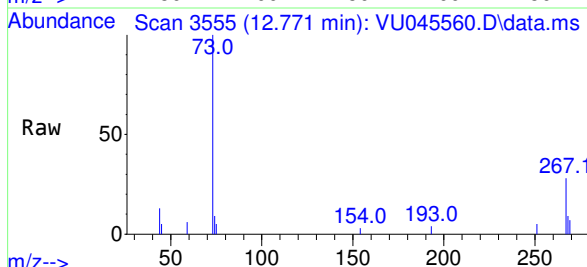
Instrument :
MSVOA_U
ClientSampleId :
TWP02

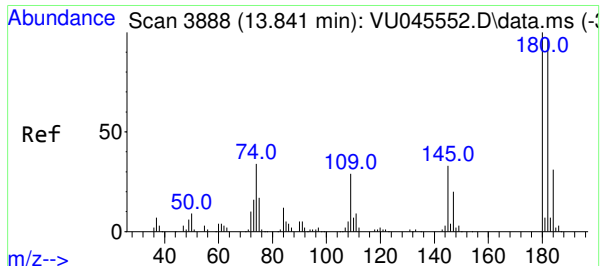
Tgt Ion: 75 Resp: 66745
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.25 ug/l
RT: 12.771 min Scan# 3555
Delta R.T. -0.228 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

Tgt Ion: 75 Resp: 202
Ion Ratio Lower Upper
75 100
155 0.0 37.8 113.3#
157 0.0 48.4 145.2#

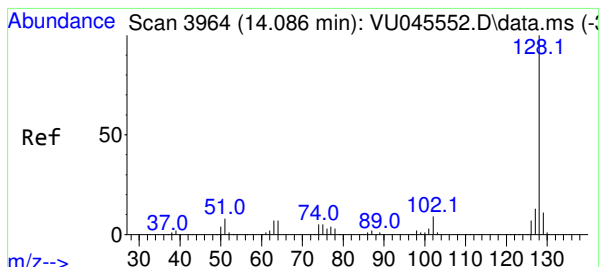
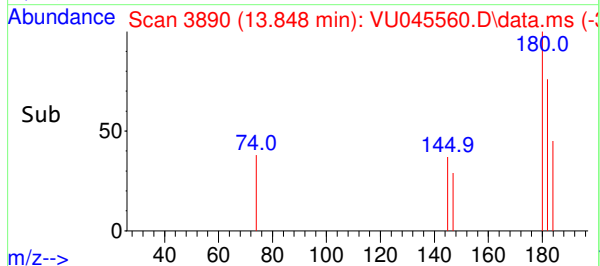
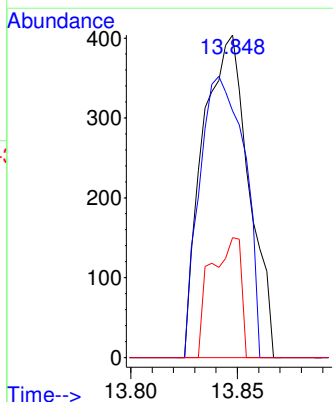
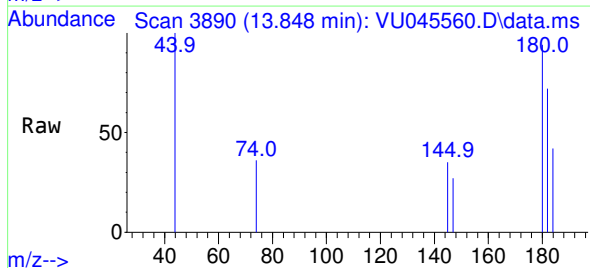




#93
1,2,4-Trichlorobenzene
Concen: 0.22 ug/l
RT: 13.848 min Scan# 3
Delta R.T. 0.007 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

Instrument :
MSVOA_U
ClientSampleId :
TWP02

Tgt Ion:	180	Resp:	606
Ion	Ratio	Lower	Upper
180	100		
182	85.3	47.0	141.2
145	24.4	15.6	46.7



#95
Naphthalene
Concen: 1.17 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU045560.D
Acq: 05 Nov 2021 15:51

Tgt Ion:	128	Resp:	1512
Ion	Ratio	Lower	Upper
128	100		
127	4.2	10.6	15.8#
129	6.3	8.6	13.0#

