

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060325\
 Data File : VX046478.D
 Acq On : 03 Jun 2025 17:17
 Operator : JC/MD
 Sample : Q2189-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7-20250602

Quant Time: Jun 04 01:31:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

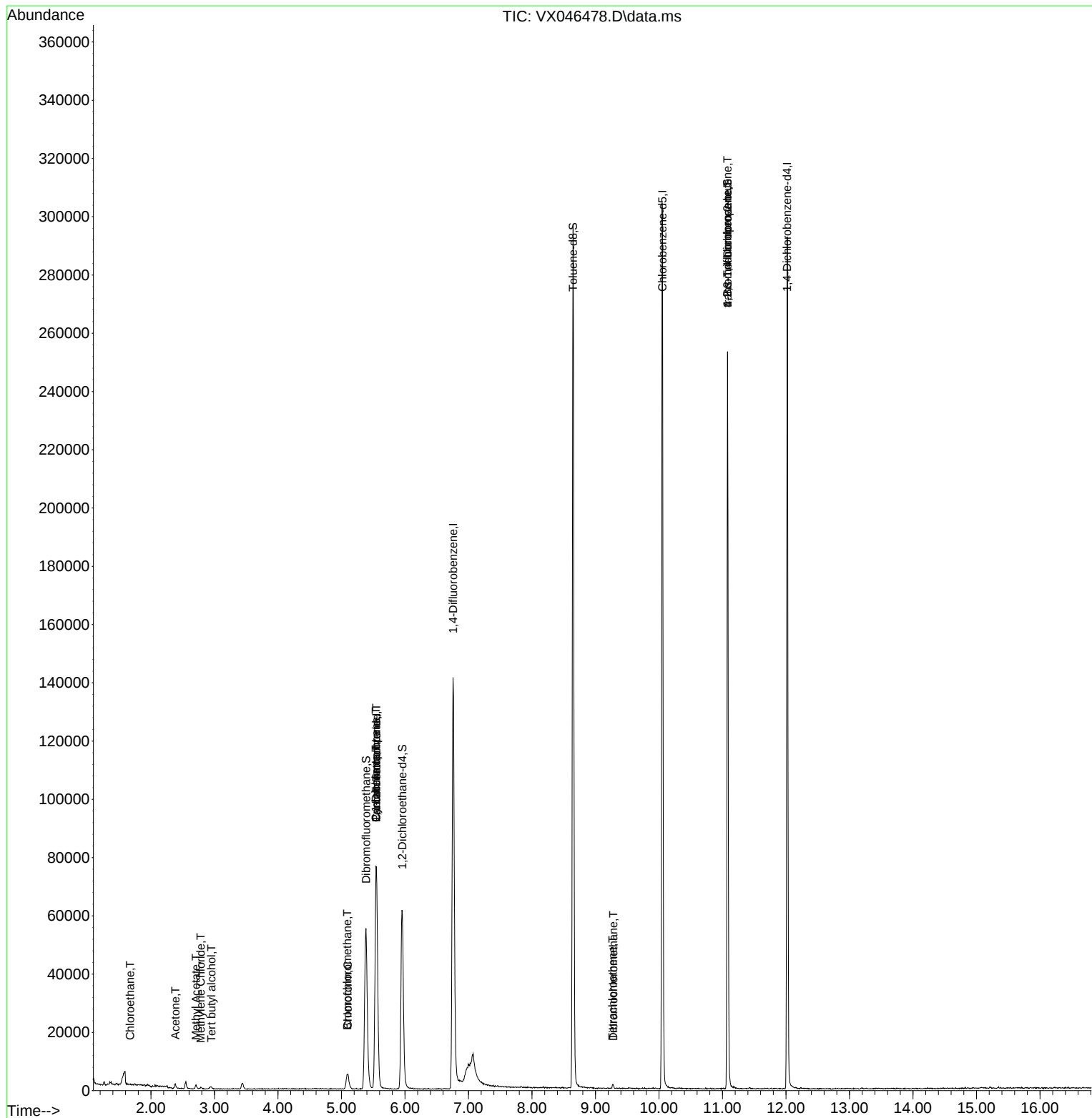
Internal Standards						
1) Pentafluorobenzene	5.550	168	66145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134317	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64449	52.264	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.520%	
35) Dibromofluoromethane	5.385	113	47764	49.383	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.760%	
50) Toluene-d8	8.647	98	167860	50.142	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.280%	
62) 4-Bromofluorobenzene	11.079	95	66277	51.613	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.220%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.673	64	127	0.260	ug/l #	44
11) Tert butyl alcohol	2.953	59	395	2.282	ug/l #	72
16) Acetone	2.386	43	2037	4.120	ug/l	94
18) Methyl Acetate	2.709	43	1645	1.434	ug/l #	86
20) Methylene Chloride	2.782	84	234	0.247	ug/l	89
28) Bromochloromethane	5.093	49	565	0.728	ug/l #	17
30) Chloroform	5.099	83	6496	3.864	ug/l	98
31) Cyclohexane	5.544	56	1965	1.337	ug/l #	37
36) 1,1-Dichloropropene	5.544	75	6468	4.977	ug/l #	51
38) Carbon Tetrachloride	5.550	117	7974	5.461	ug/l #	17
60) Dibromochloromethane	9.281	129	332	0.328	ug/l #	10
64) Tetrachloroethene	9.269	164	256	0.286	ug/l #	86
76) 1,2,3-Trichloropropane	11.079	75	37136	28.945	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	37136	94.236	ug/l #	1

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

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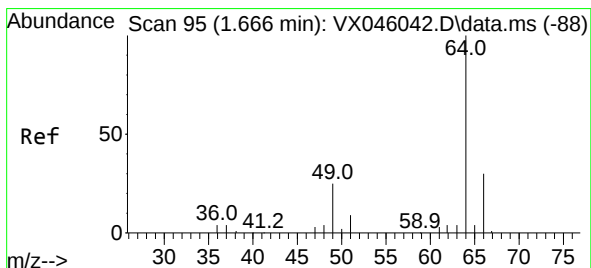
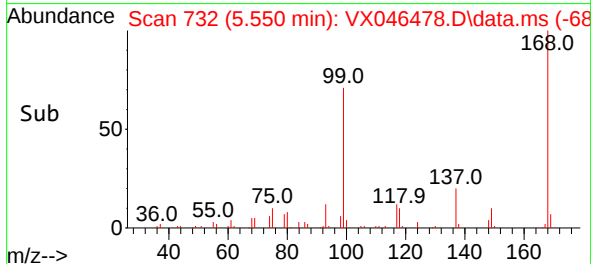
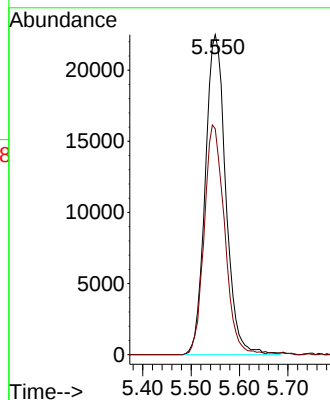
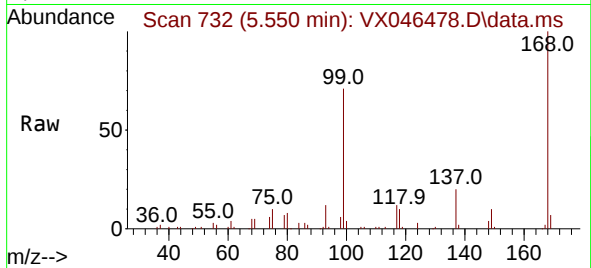




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

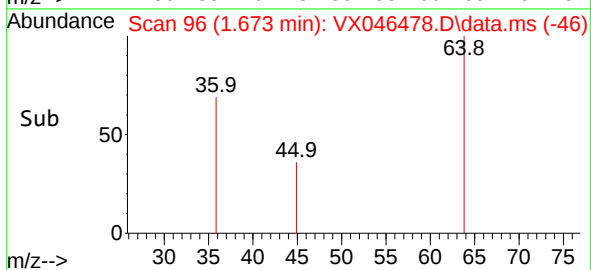
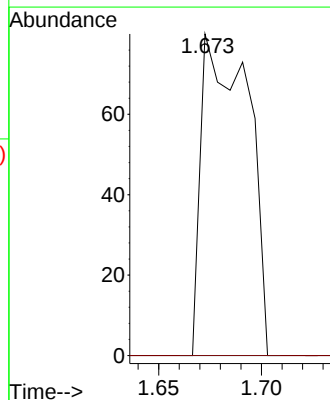
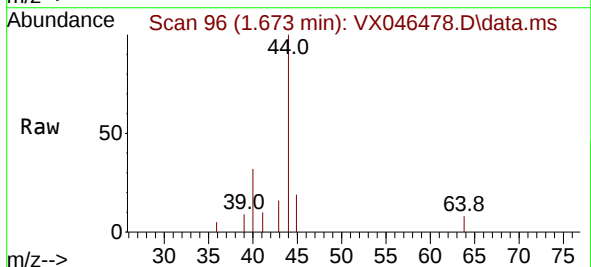
Instrument :
MSVOA_X
ClientSampleId :
MW-7-20250602

Tgt Ion:168 Resp: 66145
Ion Ratio Lower Upper
168 100
99 70.6 54.9 82.3



#6
Chloroethane
Concen: 0.260 ug/l
RT: 1.673 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

Tgt Ion: 64 Resp: 127
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

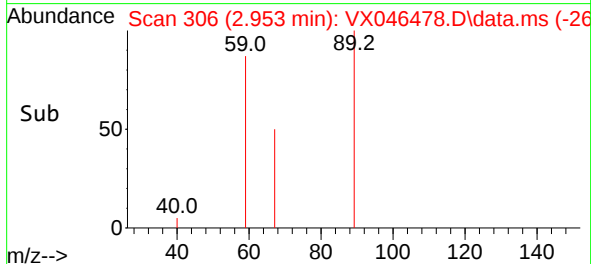
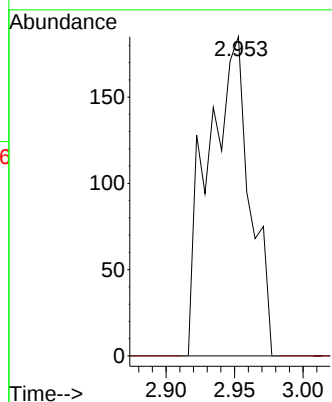
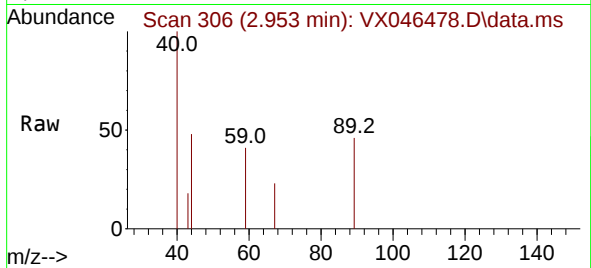




#11
Tert butyl alcohol
Concen: 2.282 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

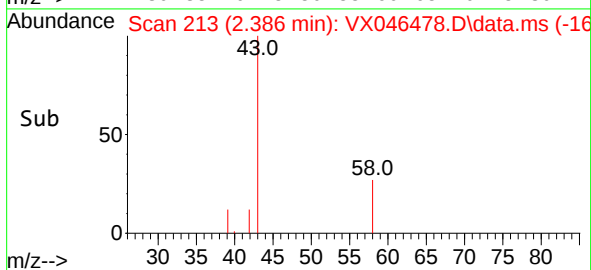
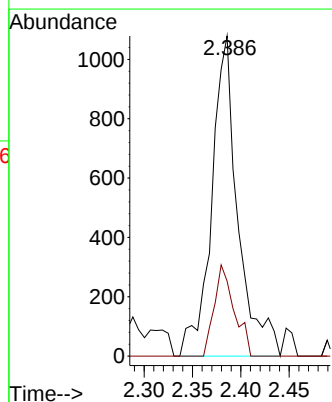
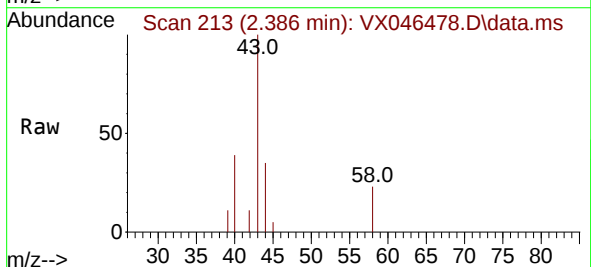
Instrument :
MSVOA_X
ClientSampleId :
MW-7-20250602

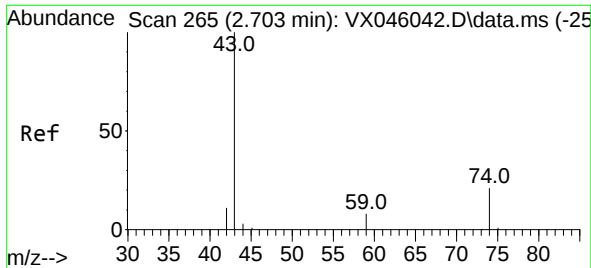
Tgt Ion: 59 Resp: 395
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 4.120 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

Tgt Ion: 43 Resp: 2037
Ion Ratio Lower Upper
43 100
58 23.4 21.2 31.8

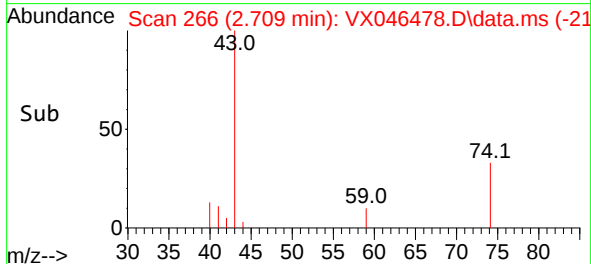
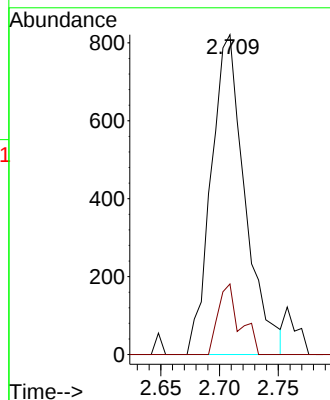
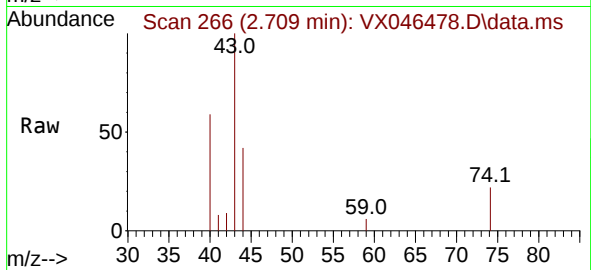




#18
Methyl Acetate
Concen: 1.434 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

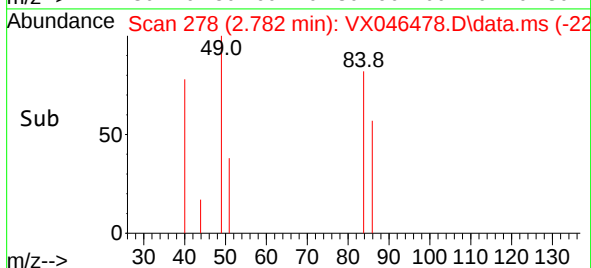
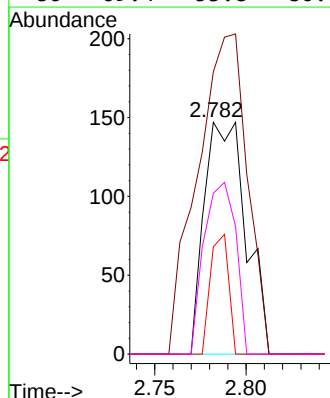
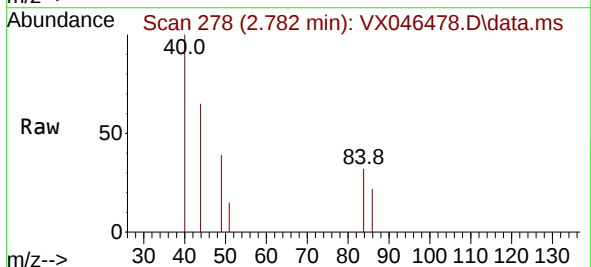
Instrument :
MSVOA_X
ClientSampleId :
MW-7-20250602

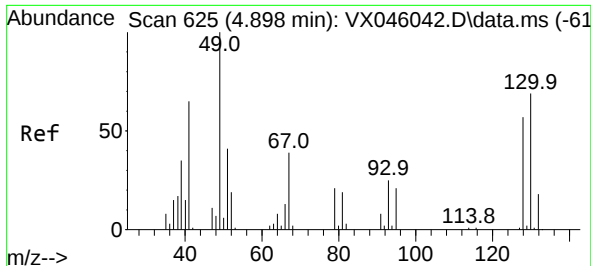
Tgt Ion: 43 Resp: 1645
Ion Ratio Lower Upper
43 100
74 14.2 16.7 25.1#



#20
Methylene Chloride
Concen: 0.247 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

Tgt Ion: 84 Resp: 234
Ion Ratio Lower Upper
84 100
49 121.8 113.9 170.9
51 46.3 33.5 50.3
86 69.4 53.8 80.8

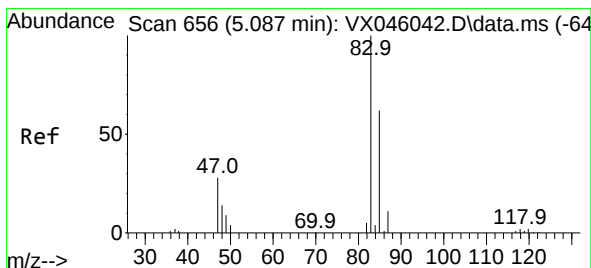
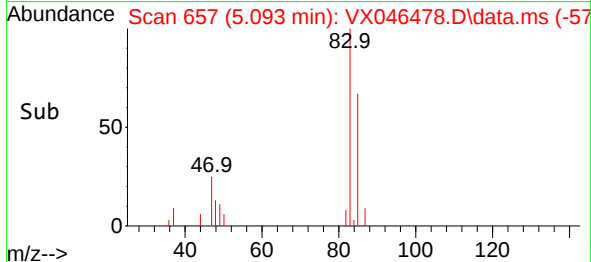
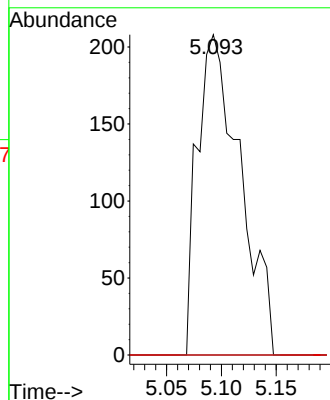
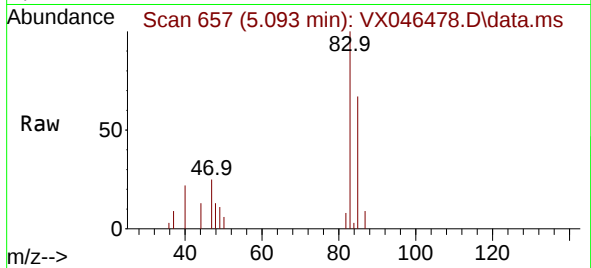




#28
Bromochloromethane
Concen: 0.728 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.195 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

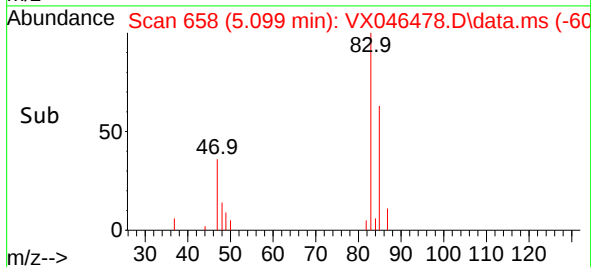
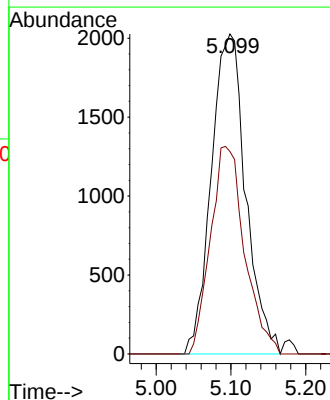
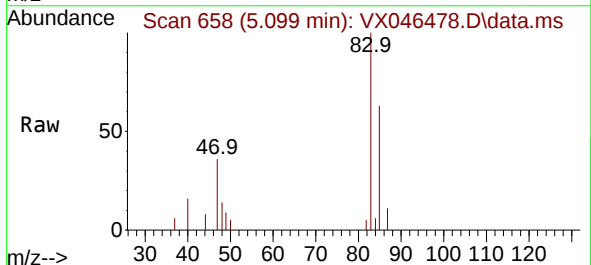
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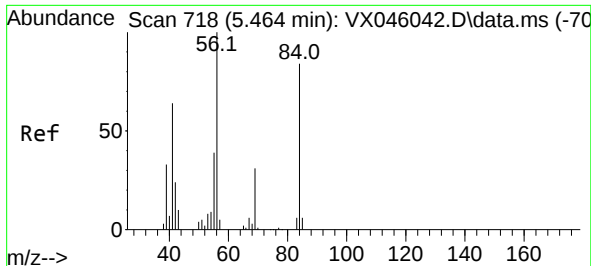
Tgt Ion: 49 Resp: 565
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 56.2 84.2#



#30
Chloroform
Concen: 3.864 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.012 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

Tgt Ion: 83 Resp: 6496
Ion Ratio Lower Upper
83 100
85 63.2 49.3 73.9

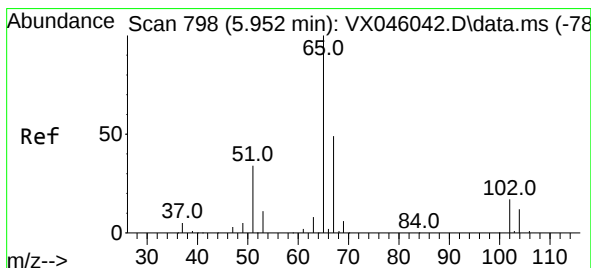
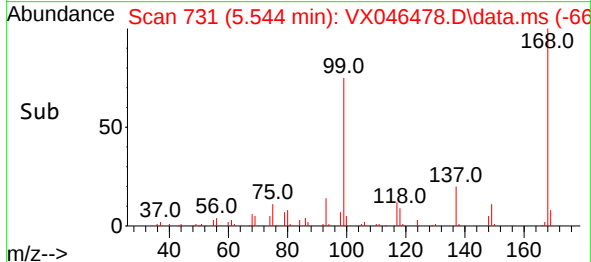
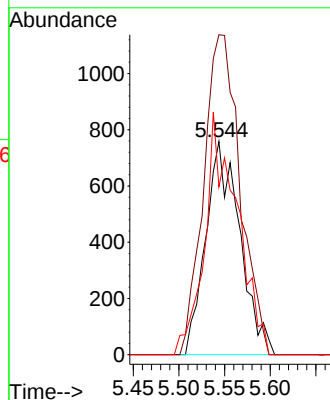
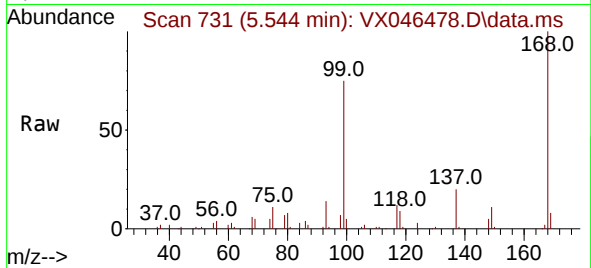




#31
Cyclohexane
Concen: 1.337 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

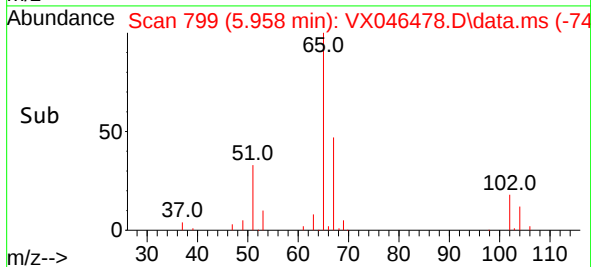
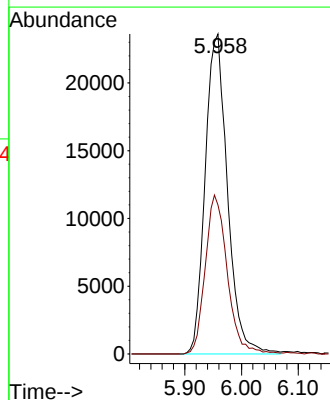
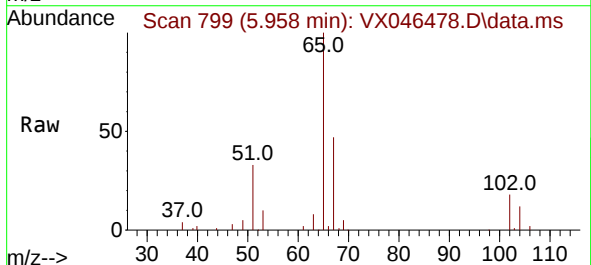
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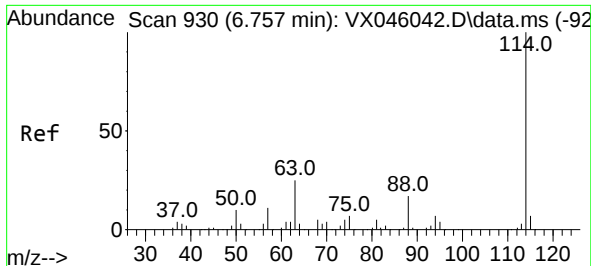
Tgt Ion: 56 Resp: 1965
Ion Ratio Lower Upper
56 100
69 150.1 24.4 36.6#
84 78.8 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 52.264 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

Tgt Ion: 65 Resp: 64449
Ion Ratio Lower Upper
65 100
67 49.1 0.0 99.0

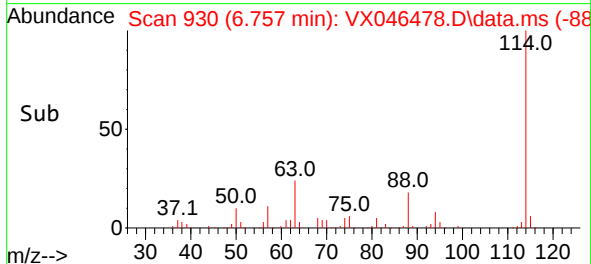
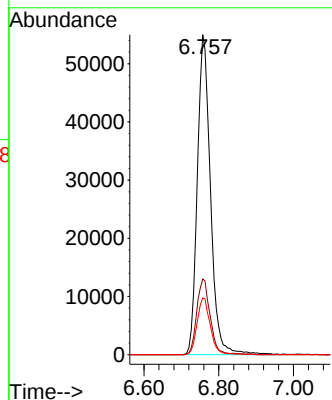
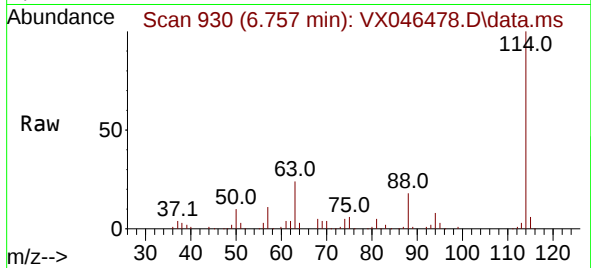




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

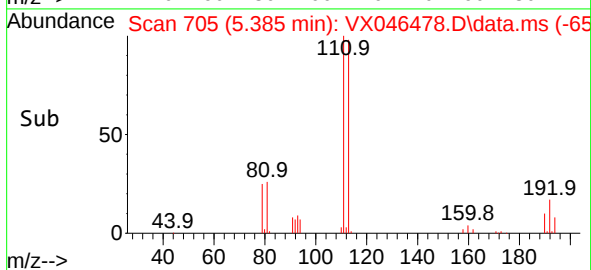
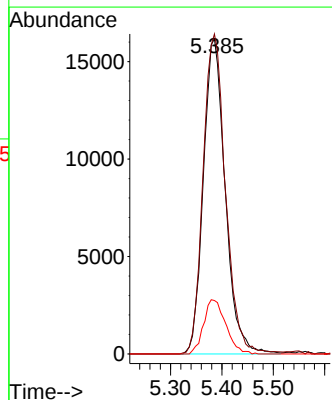
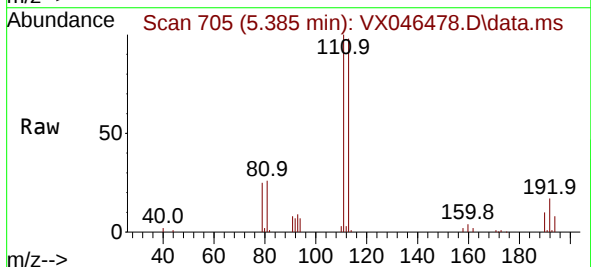
Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion:114 Resp: 134317
Ion Ratio Lower Upper
114 100
63 23.6 0.0 49.2
88 17.7 0.0 33.6



#35
Dibromofluoromethane
Concen: 49.383 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

Tgt Ion:113 Resp: 47764
Ion Ratio Lower Upper
113 100
111 104.1 83.1 124.7
192 17.4 13.3 19.9

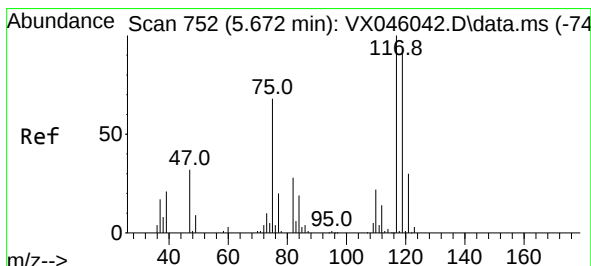
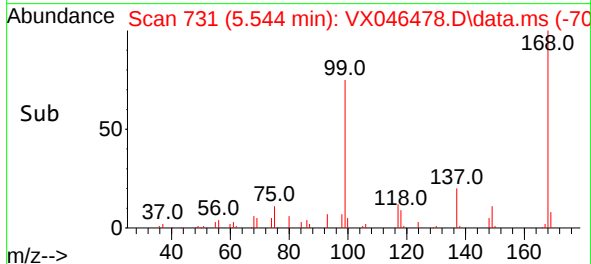
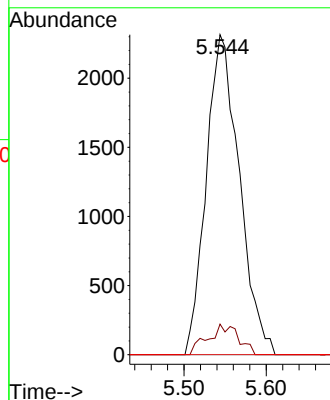
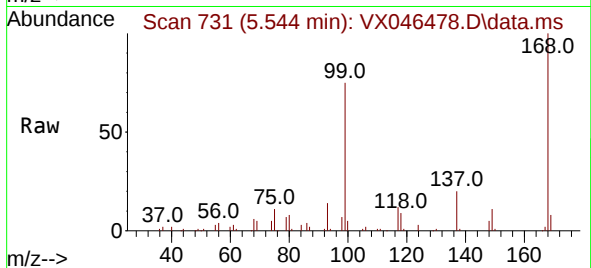




#36
1,1-Dichloropropene
Concen: 4.977 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

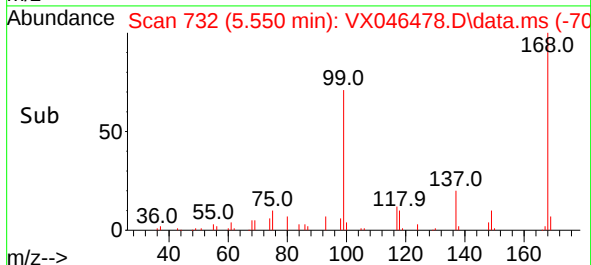
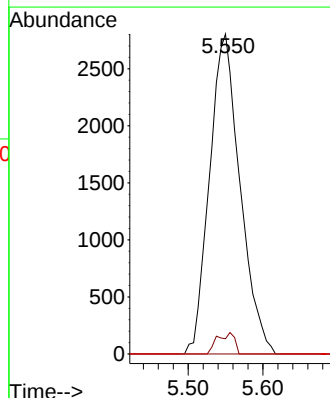
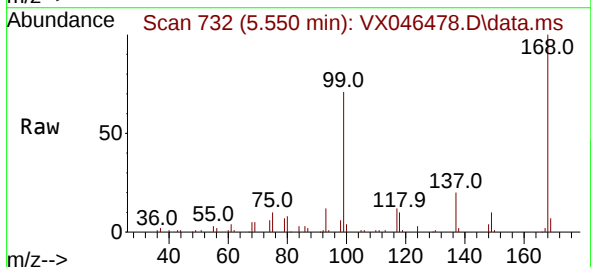
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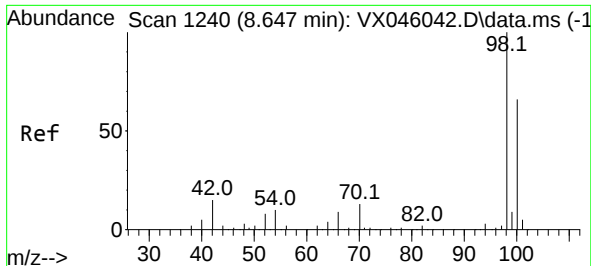
Tgt Ion: 75 Resp: 6468
Ion Ratio Lower Upper
75 100
110 8.8 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.461 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

Tgt Ion: 117 Resp: 7974
Ion Ratio Lower Upper
117 100
119 4.7 75.2 112.8#
121 0.0 24.2 36.4#

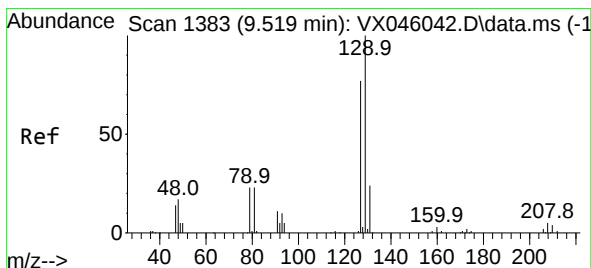
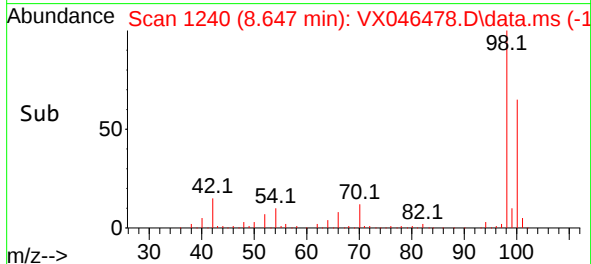
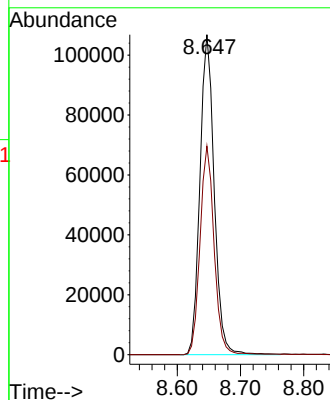
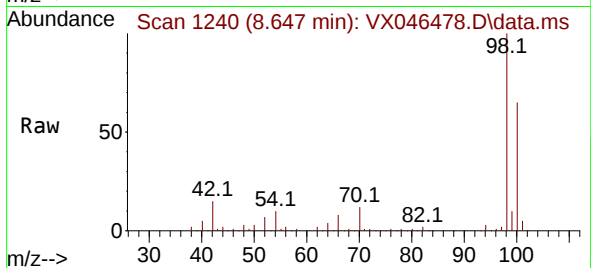




#50
Toluene-d8
Concen: 50.142 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

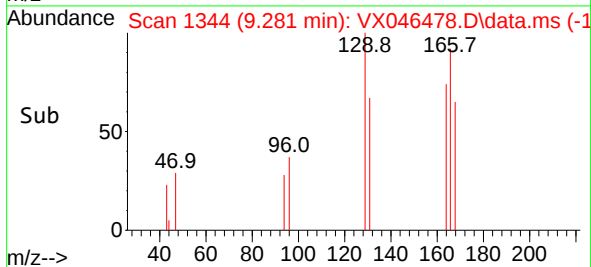
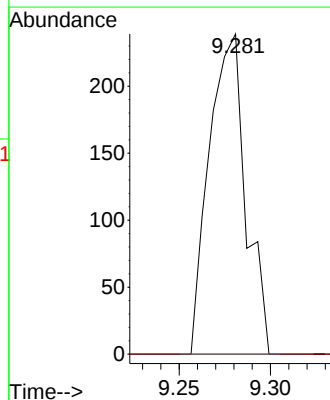
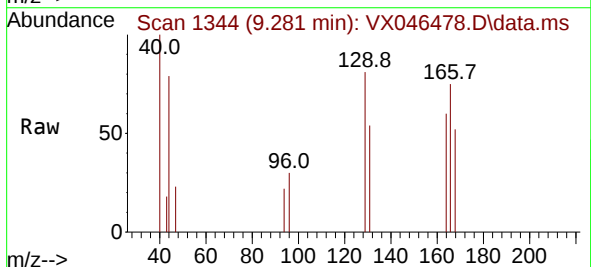
Instrument :
MSVOA_X
ClientSampleId :
MW-7-20250602

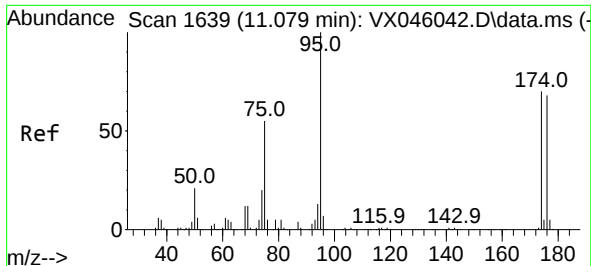
Tgt Ion: 98 Resp: 167860
Ion Ratio Lower Upper
98 100
100 64.4 53.5 80.3



#60
Dibromochloromethane
Concen: 0.328 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.238 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

Tgt Ion: 129 Resp: 332
Ion Ratio Lower Upper
129 100
127 0.0 39.3 117.8#

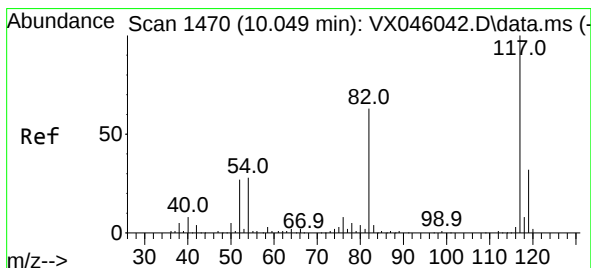
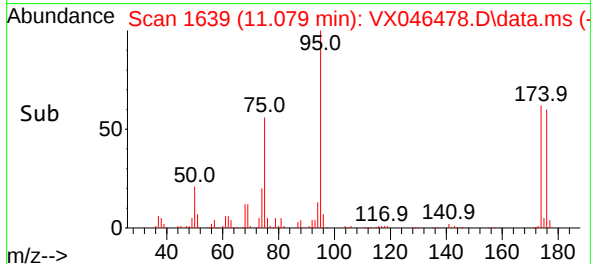
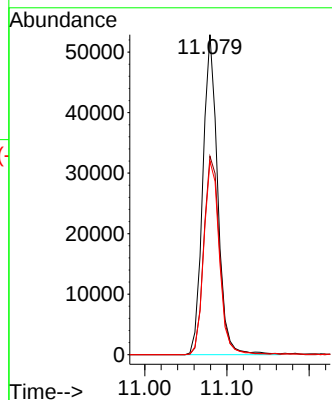
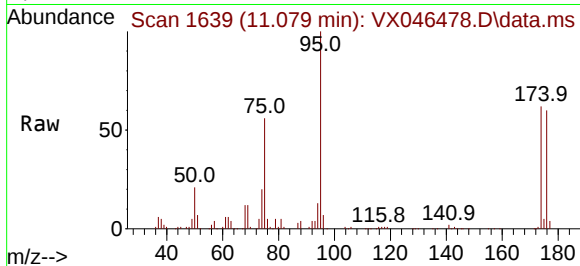




#62
4-Bromofluorobenzene
Concen: 51.613 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

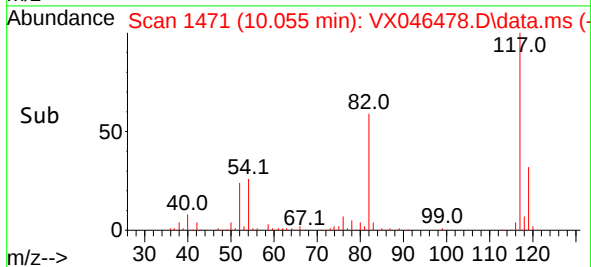
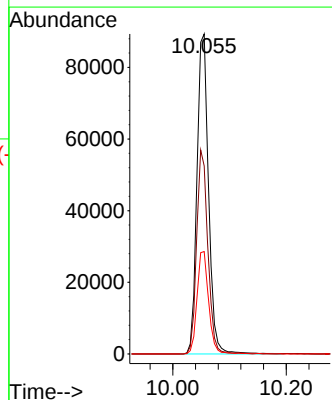
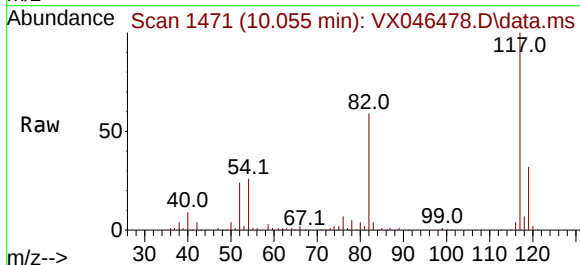
Instrument :
MSVOA_X
ClientSampleId :
MW-7-20250602

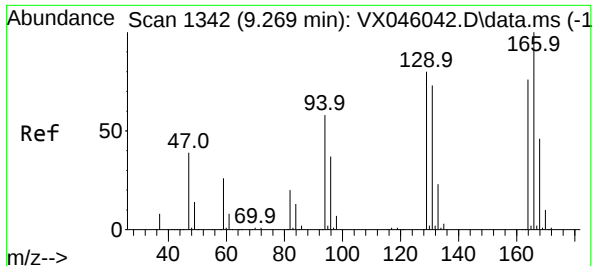
Tgt Ion: 95 Resp: 66277
Ion Ratio Lower Upper
95 100
174 65.9 0.0 135.8
176 63.2 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

Tgt Ion: 117 Resp: 126492
Ion Ratio Lower Upper
117 100
82 58.7 50.6 76.0
119 32.0 25.8 38.6

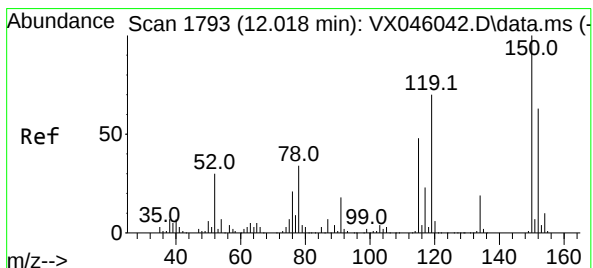
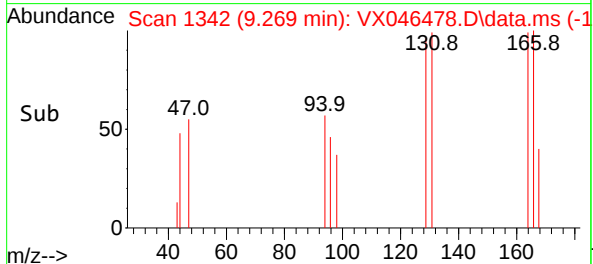
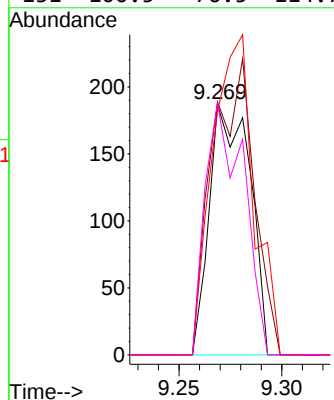
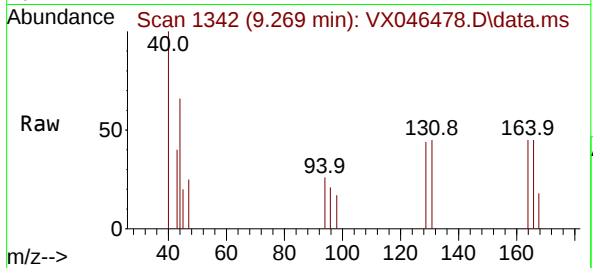




#64
Tetrachloroethene
Concen: 0.286 ug/l
RT: 9.269 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

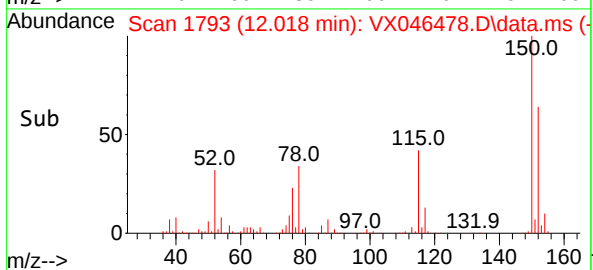
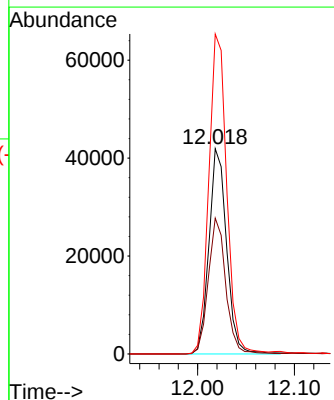
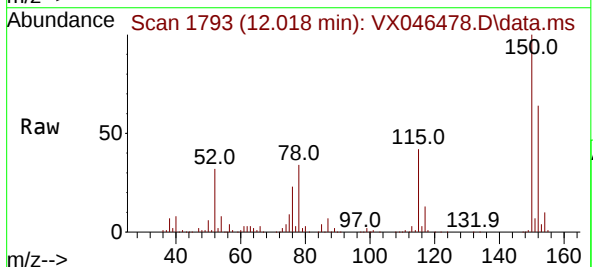
Instrument :
MSVOA_X
ClientSampleId :
MW-7-20250602

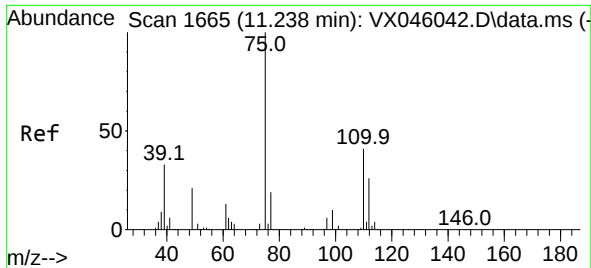
Tgt Ion:164 Resp: 256
Ion Ratio Lower Upper
164 100
166 101.1 105.0 157.6#
129 97.3 83.5 125.3
131 100.5 76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

Tgt Ion:152 Resp: 53301
Ion Ratio Lower Upper
152 100
115 65.6 46.9 140.7
150 157.6 0.0 351.0

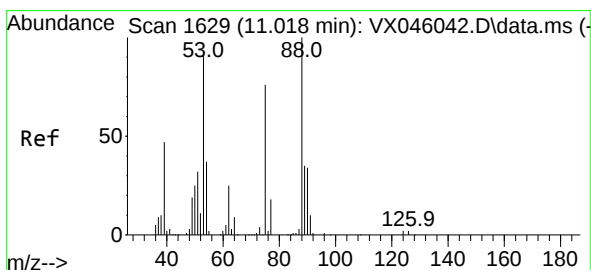
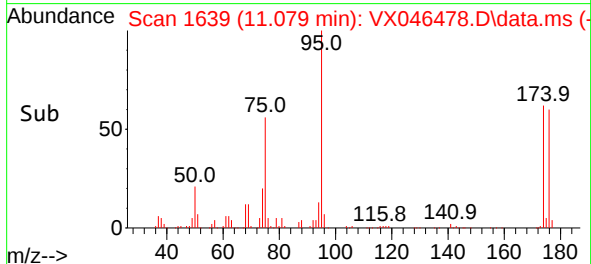
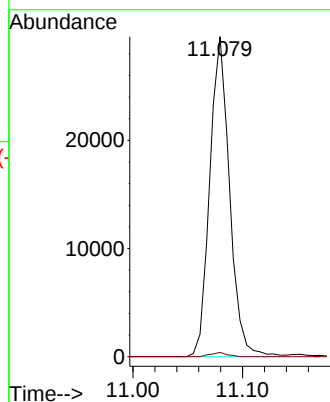
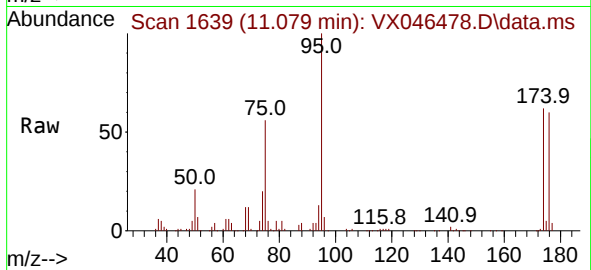




#76
1,2,3-Trichloropropane
Concen: 28.945 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW-7-20250602

Tgt Ion: 75 Resp: 37136
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.236 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046478.D
Acq: 03 Jun 2025 17:17

Tgt Ion: 75 Resp: 37136
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

