

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060325\
 Data File : VX046479.D
 Acq On : 03 Jun 2025 17:40
 Operator : JC/MD
 Sample : Q2189-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8-20250602

Quant Time: Jun 04 01:31:25 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)

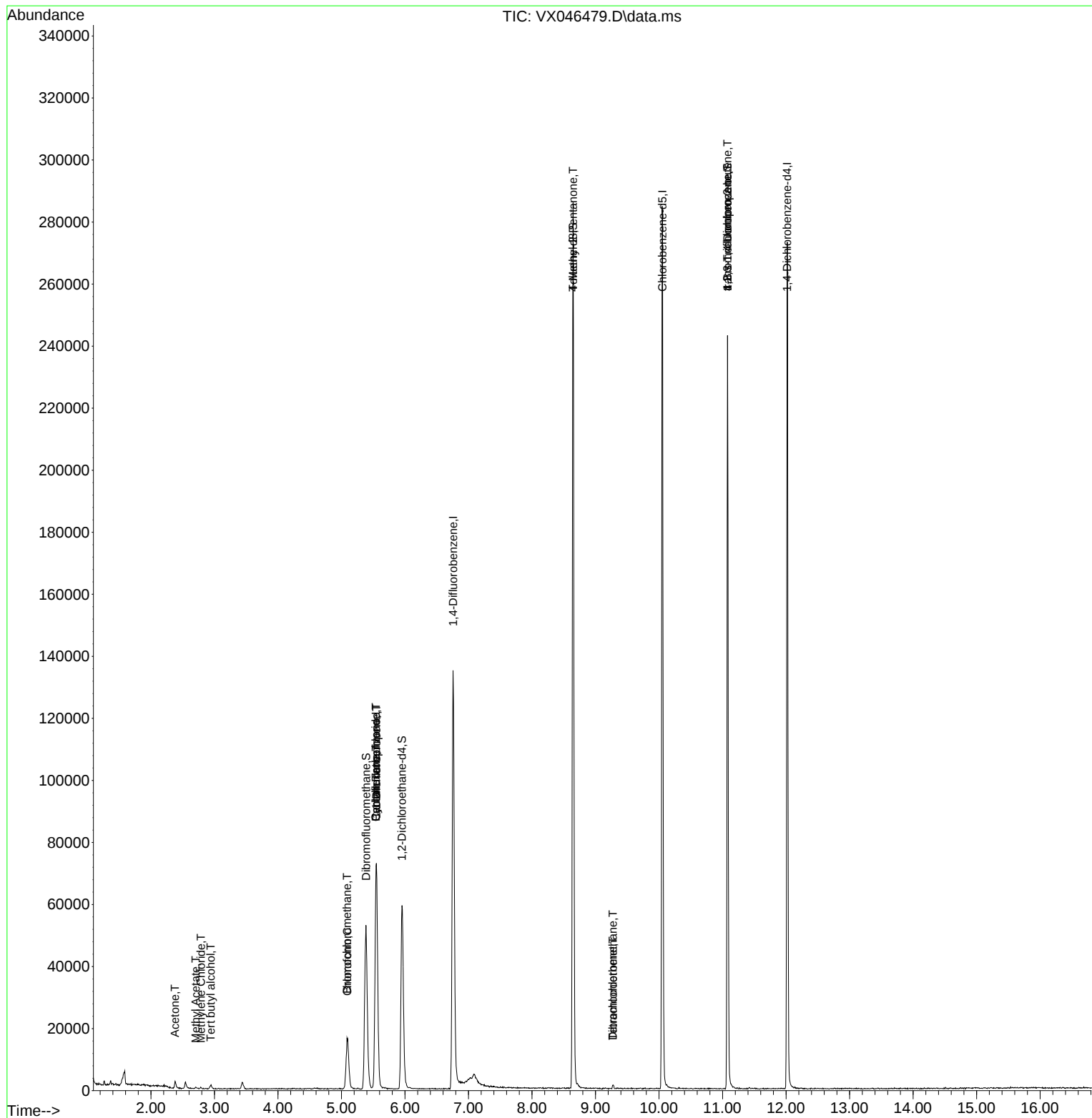
Internal Standards						
1) Pentafluorobenzene	5.544	168	61852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126563	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62246	53.981	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 107.960%		
35) Dibromofluoromethane	5.385	113	45899	50.362	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 100.720%		
50) Toluene-d8	8.647	98	159294	50.498	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 101.000%		
62) 4-Bromofluorobenzene	11.079	95	63003	52.069	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery	= 104.140%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.940	59	696	4.300	ug/l #	72
16) Acetone	2.380	43	2644	5.719	ug/l	96
18) Methyl Acetate	2.703	43	849	0.791	ug/l #	55
20) Methylene Chloride	2.788	84	189	0.213	ug/l #	56
28) Bromochloromethane	5.086	49	1630	2.246	ug/l #	17
30) Chloroform	5.092	83	19367	12.321	ug/l	92
31) Cyclohexane	5.544	56	1879	1.367	ug/l #	29
36) 1,1-Dichloropropene	5.550	75	6281	5.129	ug/l #	50
38) Carbon Tetrachloride	5.544	117	7586	5.514	ug/l #	17
51) 4-Methyl-2-Pentanone	8.647	43	1402	0.915	ug/l #	1
60) Dibromochloromethane	9.275	129	347	0.364	ug/l #	10
64) Tetrachloroethene	9.275	164	269	0.321	ug/l #	87
76) 1,2,3-Trichloropropane	11.079	75	35578	29.263	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35578	95.271	ug/l #	1

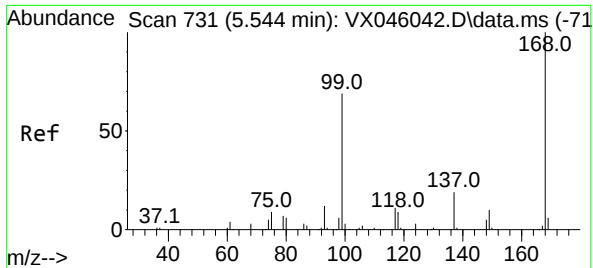
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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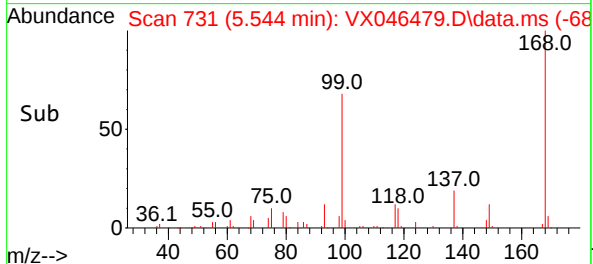
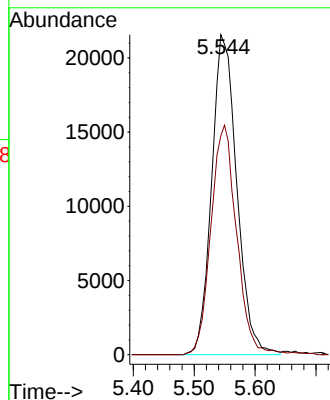
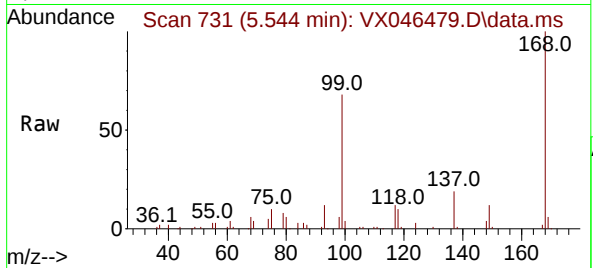




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX046479.D
Acq: 03 Jun 2025 17:40

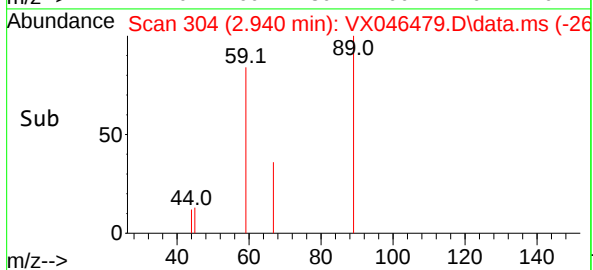
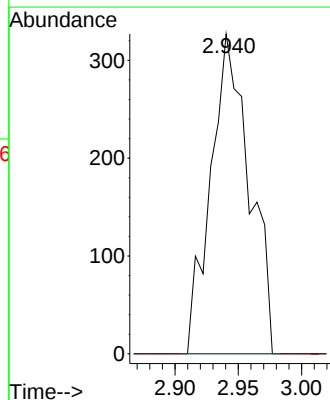
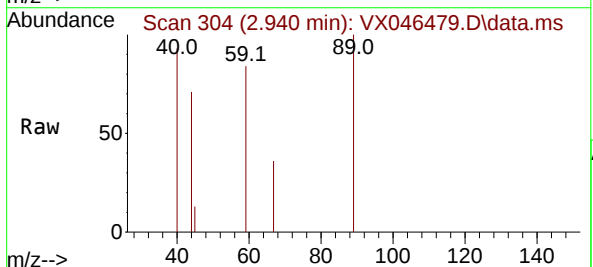
Instrument :
MSVOA_X
ClientSampleId :
MW-8-20250602

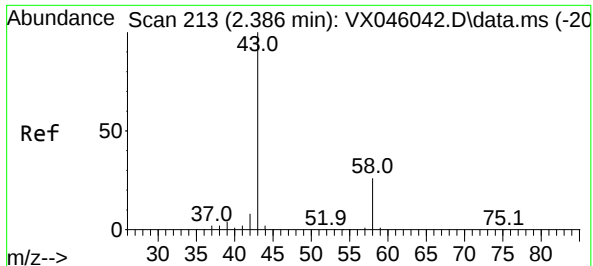
Tgt Ion:168 Resp: 61852
Ion Ratio Lower Upper
168 100
99 68.5 54.9 82.3



#11
Tert butyl alcohol
Concen: 4.300 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX046479.D
Acq: 03 Jun 2025 17:40

Tgt Ion: 59 Resp: 696
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

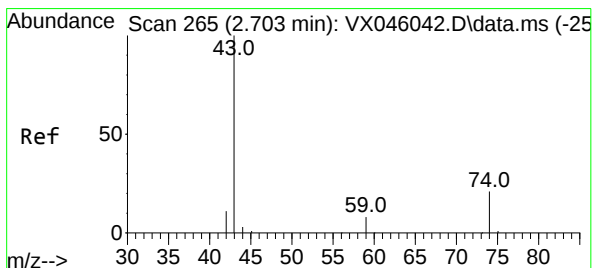
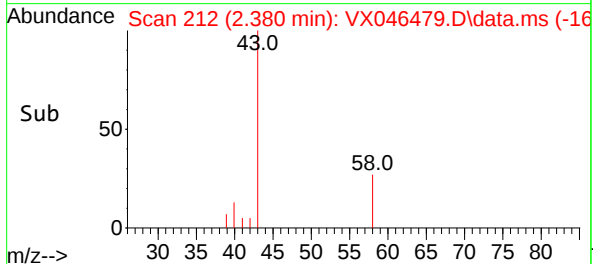
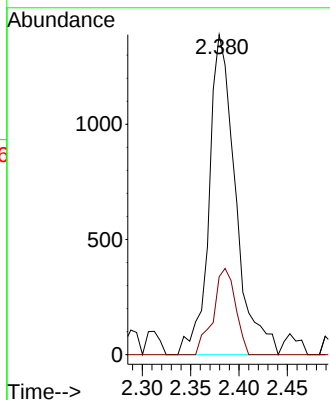
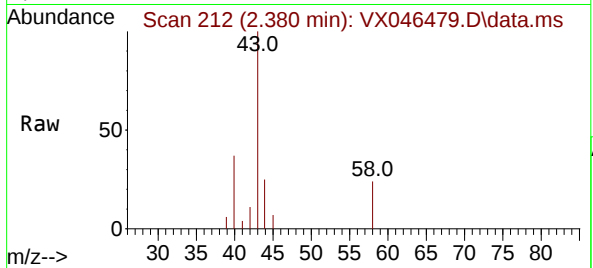




#16
Acetone
Concen: 5.719 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046479.D
Acq: 03 Jun 2025 17:40

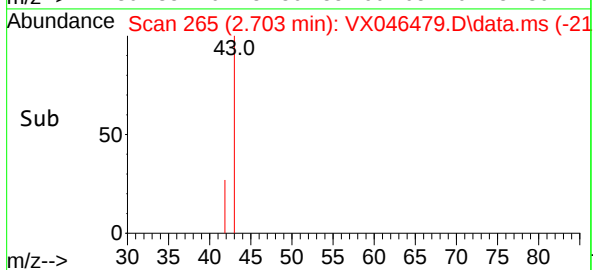
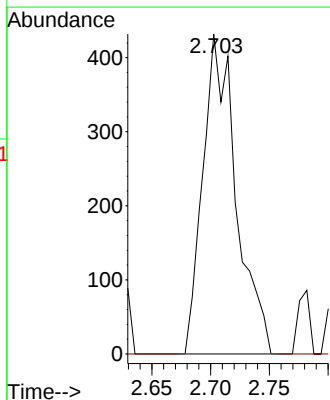
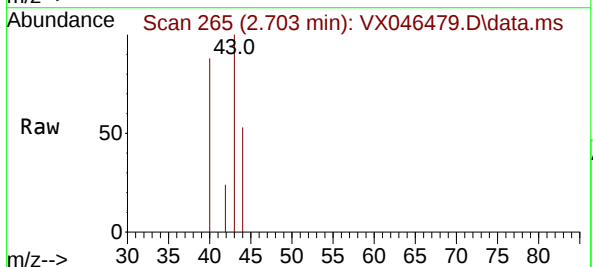
Instrument :
MSVOA_X
ClientSampleId :
MW-8-20250602

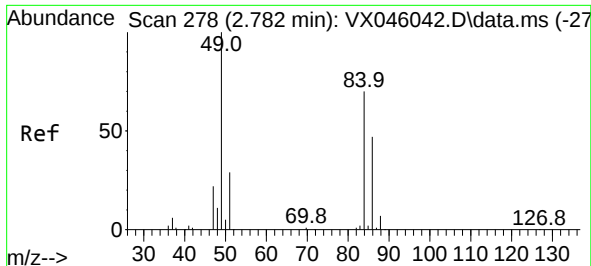
Tgt Ion: 43 Resp: 2644
Ion Ratio Lower Upper
43 100
58 24.3 21.2 31.8



#18
Methyl Acetate
Concen: 0.791 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046479.D
Acq: 03 Jun 2025 17:40

Tgt Ion: 43 Resp: 849
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

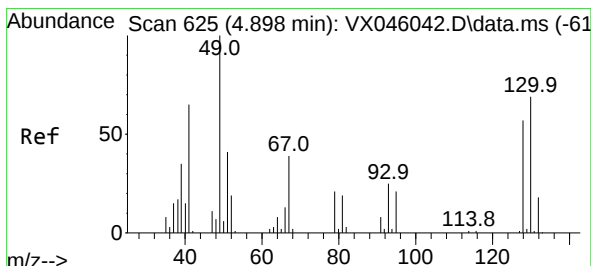
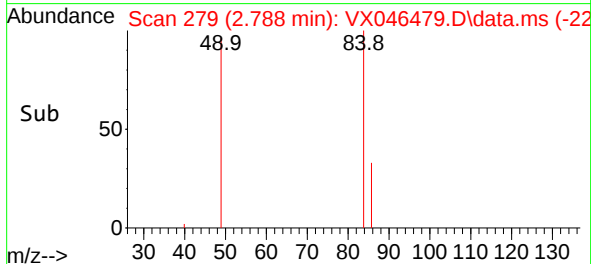
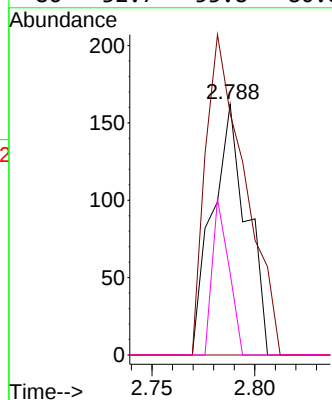
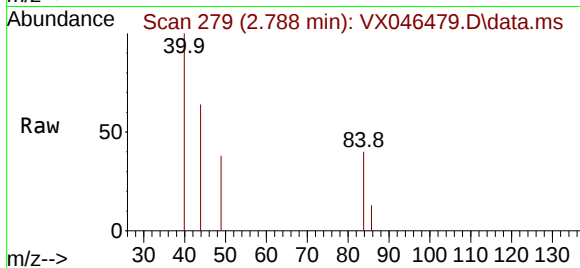




#20
Methylene Chloride
Concen: 0.213 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046479.D
Acq: 03 Jun 2025 17:40

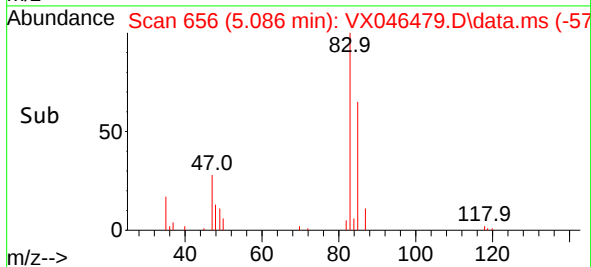
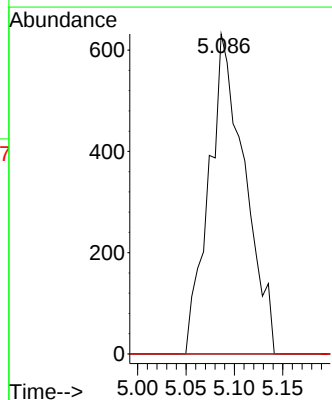
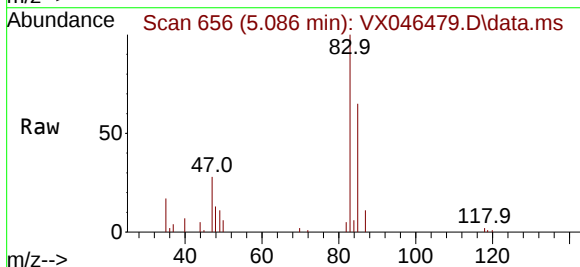
Instrument :
MSVOA_X
ClientSampleId :
MW-8-20250602

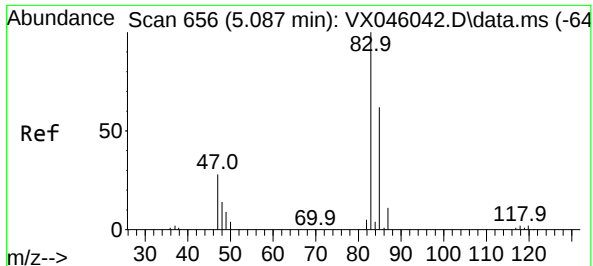
Tgt Ion: 84 Resp: 189
Ion Ratio Lower Upper
84 100
49 96.3 113.9 170.9#
51 0.0 33.5 50.3#
86 32.7 53.8 80.8#



#28
Bromochloromethane
Concen: 2.246 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.189 min
Lab File: VX046479.D
Acq: 03 Jun 2025 17:40

Tgt Ion: 49 Resp: 1630
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 56.2 84.2#





#30

Chloroform

Concen: 12.321 ug/l

RT: 5.092 min Scan# 6

Delta R.T. 0.006 min

Lab File: VX046479.D

Acq: 03 Jun 2025 17:40

Instrument :

MSVOA_X

ClientSampleId :

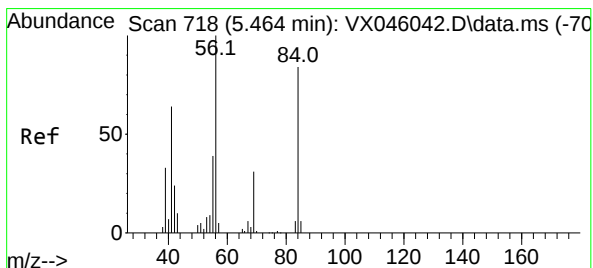
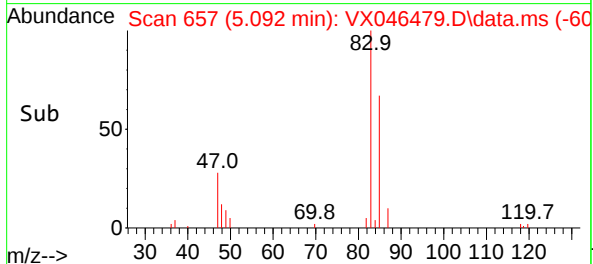
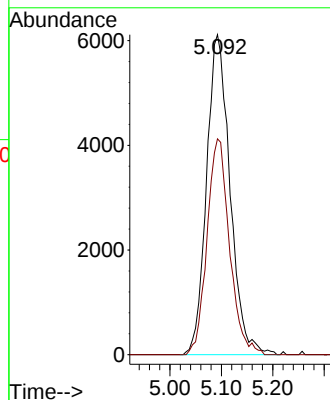
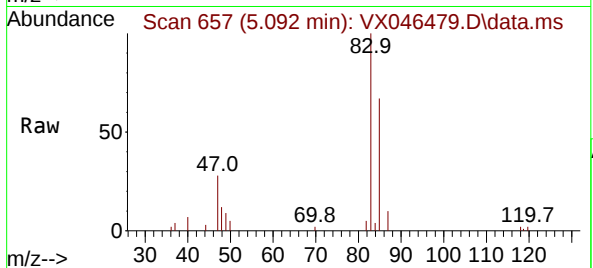
MW-8-20250602

Tgt Ion: 83 Resp: 19367

Ion Ratio Lower Upper

83 100

85 67.5 49.3 73.9



#31

Cyclohexane

Concen: 1.367 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX046479.D

Acq: 03 Jun 2025 17:40

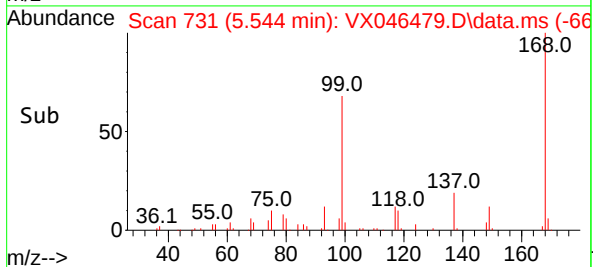
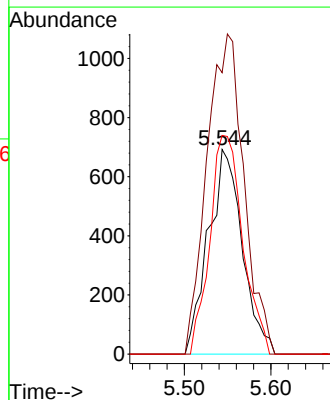
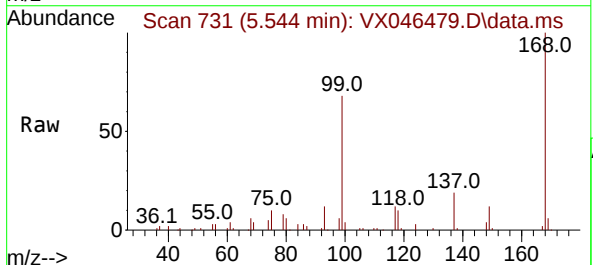
Tgt Ion: 56 Resp: 1879

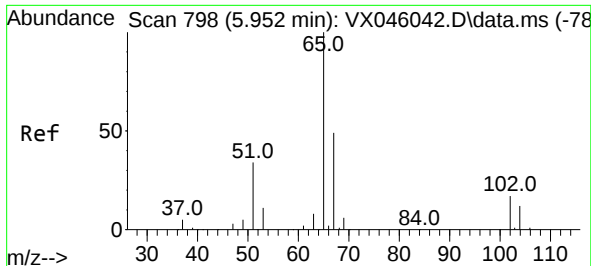
Ion Ratio Lower Upper

56 100

69 137.6 24.4 36.6#

84 106.9 66.9 100.3#

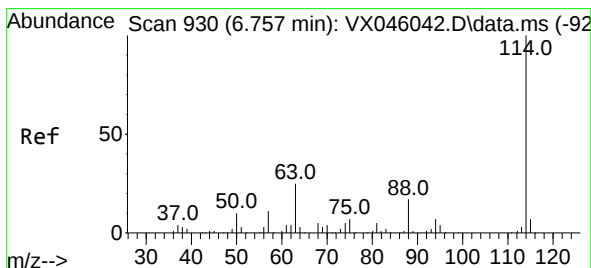
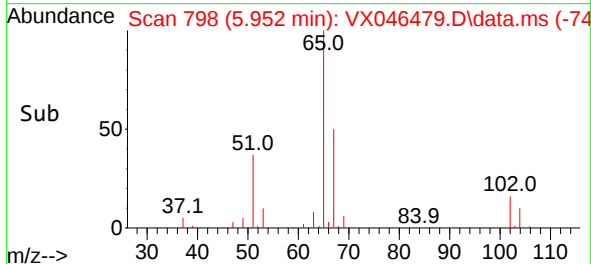
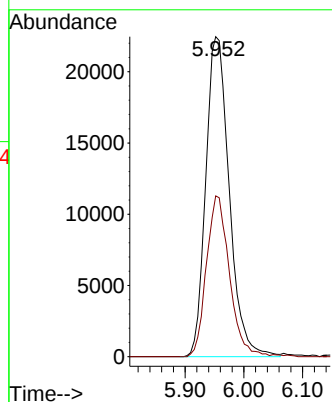
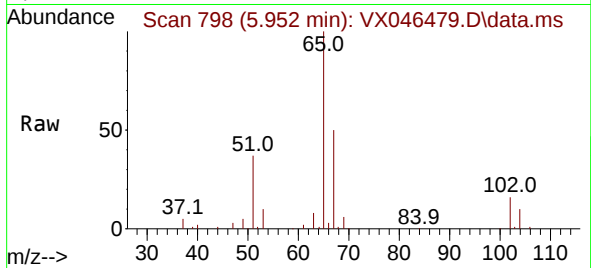




#33
 1,2-Dichloroethane-d4
 Concen: 53.981 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX046479.D
 Acq: 03 Jun 2025 17:40

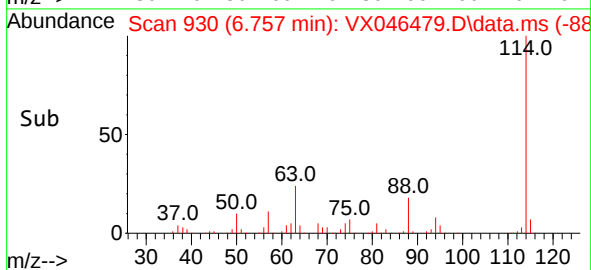
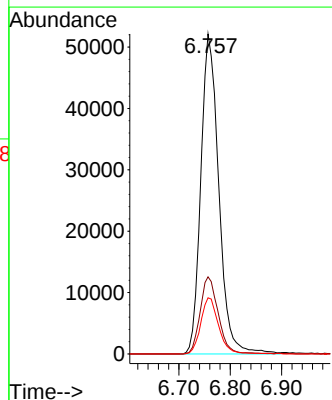
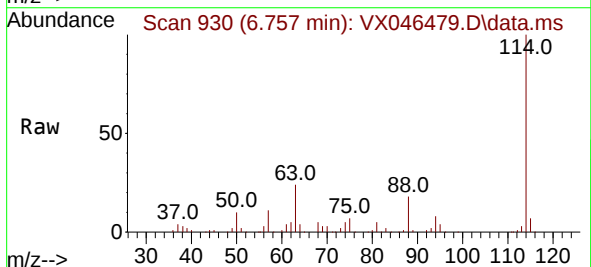
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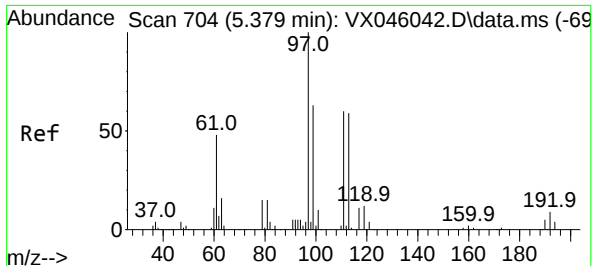
Tgt Ion: 65 Resp: 62246
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX046479.D
 Acq: 03 Jun 2025 17:40

Tgt Ion: 114 Resp: 126563
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 49.2
 88 17.5 0.0 33.6

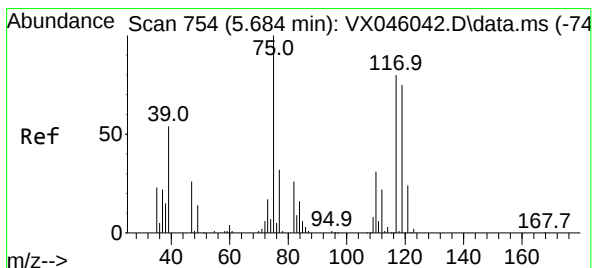
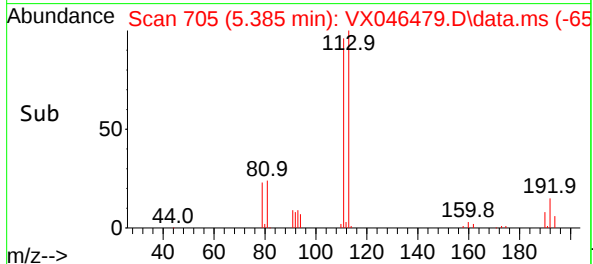
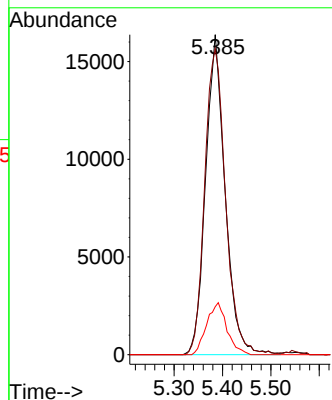
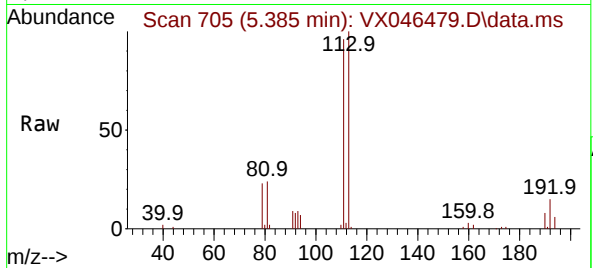




#35
Dibromofluoromethane
Concen: 50.362 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046479.D
Acq: 03 Jun 2025 17:40

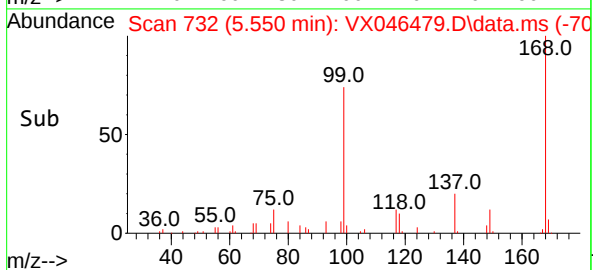
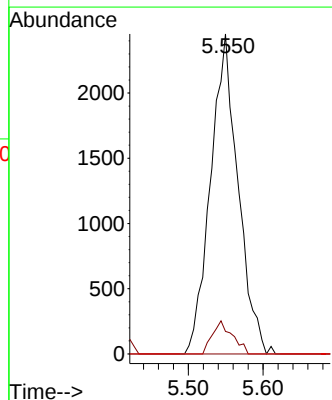
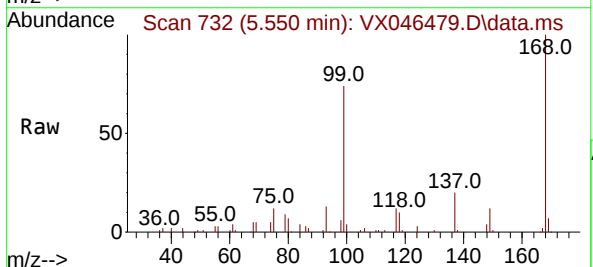
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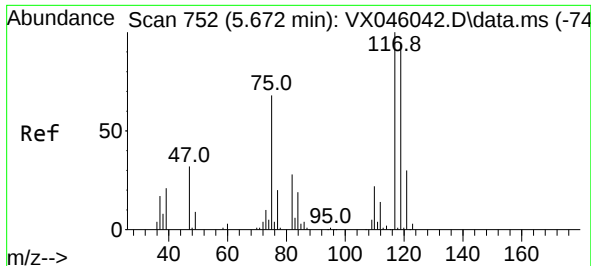
Tgt Ion:113 Resp: 45899
Ion Ratio Lower Upper
113 100
111 102.2 83.1 124.7
192 16.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.129 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX046479.D
Acq: 03 Jun 2025 17:40

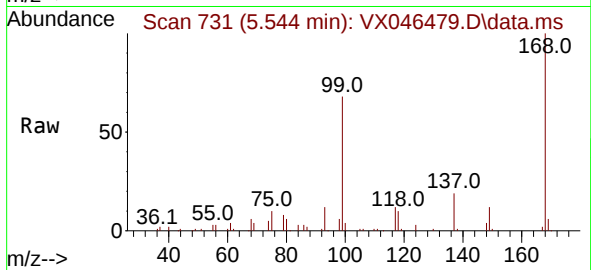
Tgt Ion: 75 Resp: 6281
Ion Ratio Lower Upper
75 100
110 7.5 16.3 48.9#
77 0.0 24.3 36.5#



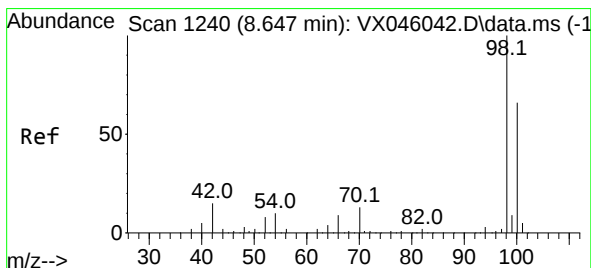
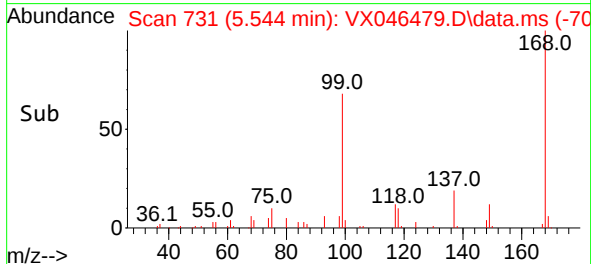
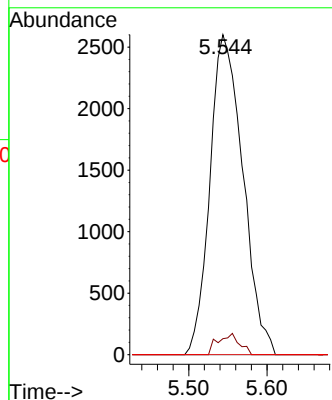


#38
Carbon Tetrachloride
Concen: 5.514 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046479.D
Acq: 03 Jun 2025 17:40

Instrument :
MSVOA_X
ClientSampleId :
MW-8-20250602

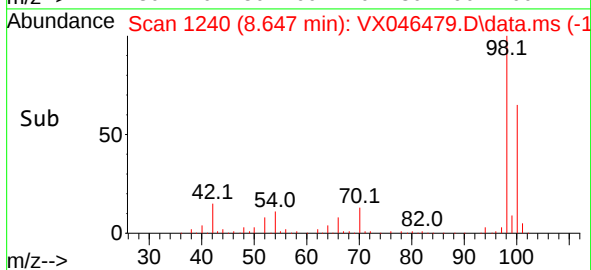
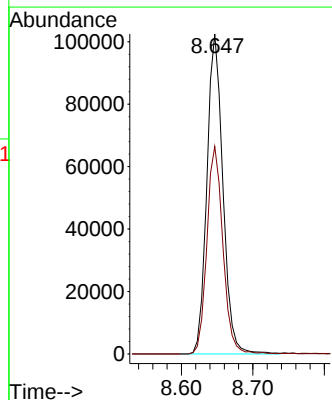
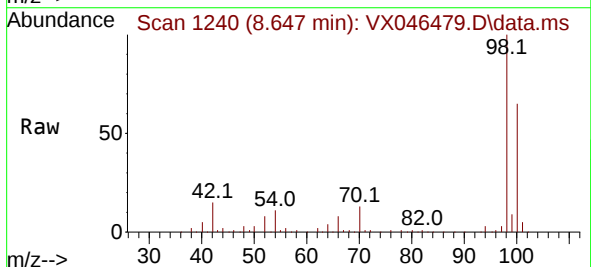


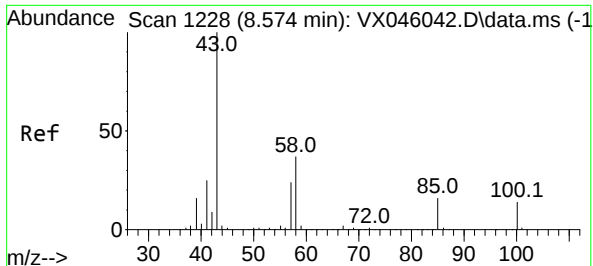
Tgt Ion:117 Resp: 7586
Ion Ratio Lower Upper
117 100
119 5.0 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 50.498 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046479.D
Acq: 03 Jun 2025 17:40

Tgt Ion: 98 Resp: 159294
Ion Ratio Lower Upper
98 100
100 64.8 53.5 80.3

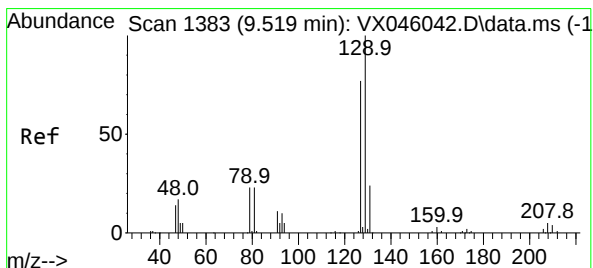
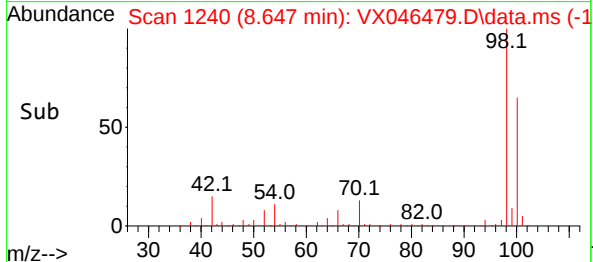
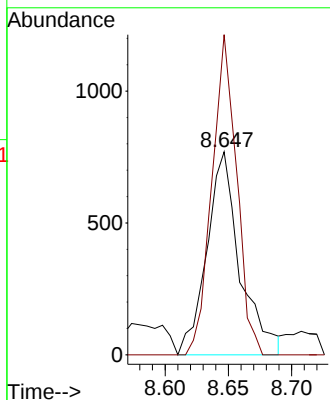
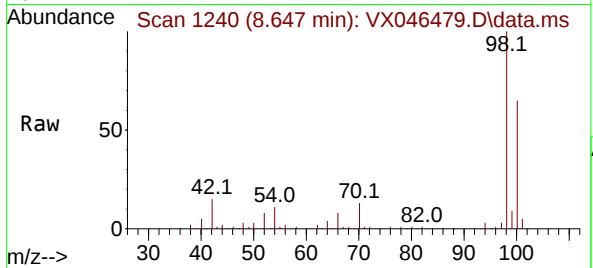




#51
4-Methyl-2-Pentanone
Concen: 0.915 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX046479.D
Acq: 03 Jun 2025 17:40

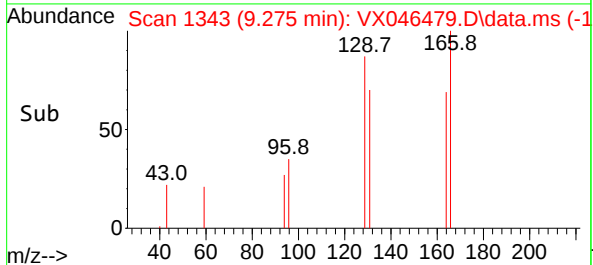
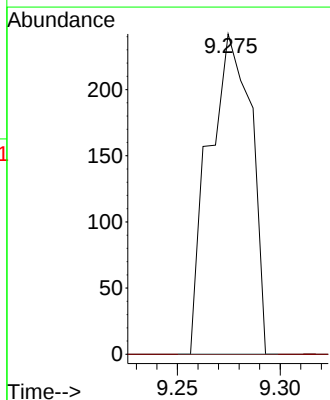
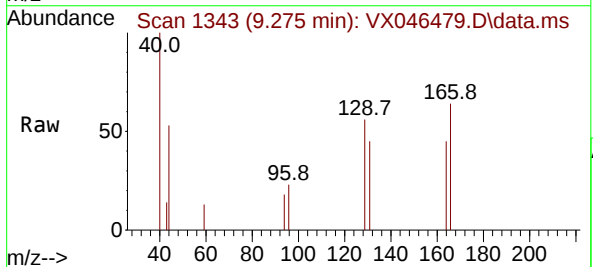
Instrument :
MSVOA_X
ClientSampleId :
MW-8-20250602

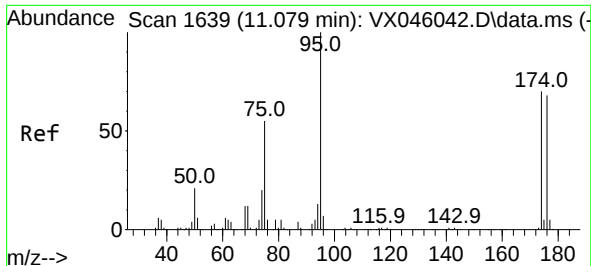
Tgt Ion: 43 Resp: 1402
Ion Ratio Lower Upper
43 100
58 117.7 28.9 43.3#



#60
Dibromochloromethane
Concen: 0.364 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX046479.D
Acq: 03 Jun 2025 17:40

Tgt Ion: 129 Resp: 347
Ion Ratio Lower Upper
129 100
127 0.0 39.3 117.8#

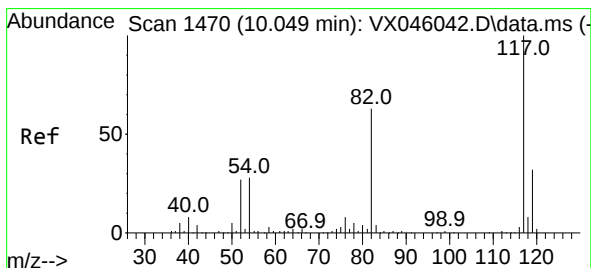
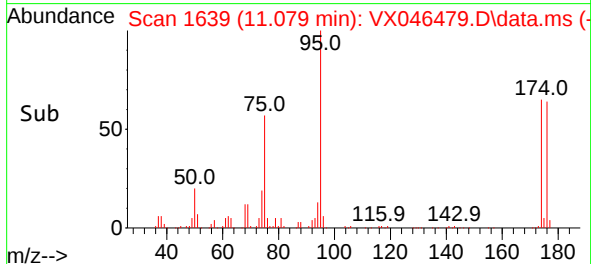
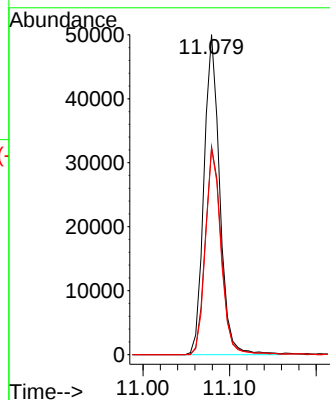
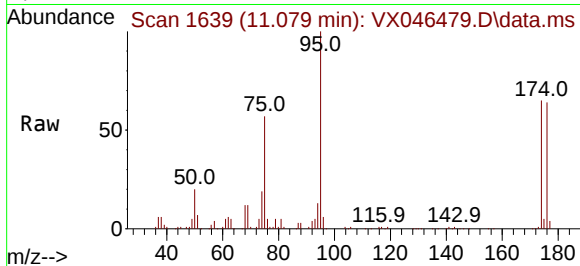




#62
4-Bromofluorobenzene
Concen: 52.069 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046479.D
Acq: 03 Jun 2025 17:40

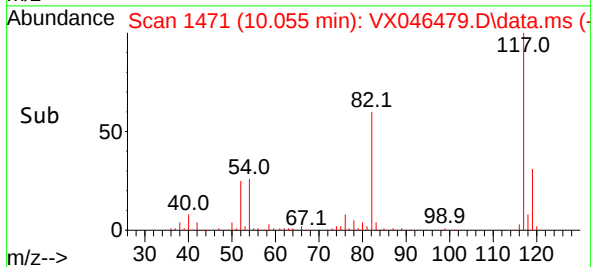
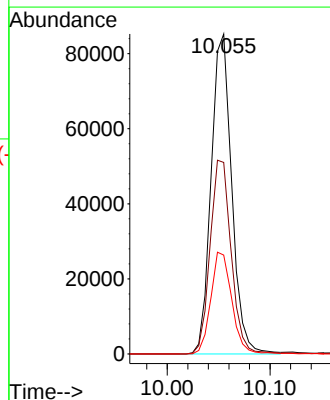
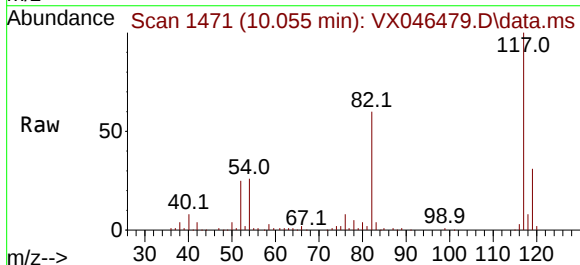
Instrument :
MSVOA_X
ClientSampleId :
MW-8-20250602

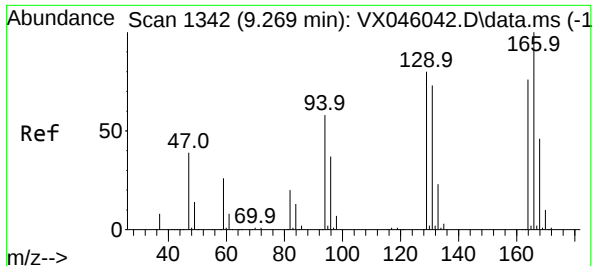
Tgt Ion: 95 Resp: 63003
Ion Ratio Lower Upper
95 100
174 66.2 0.0 135.8
176 64.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046479.D
Acq: 03 Jun 2025 17:40

Tgt Ion: 117 Resp: 118381
Ion Ratio Lower Upper
117 100
82 59.9 50.6 76.0
119 30.9 25.8 38.6

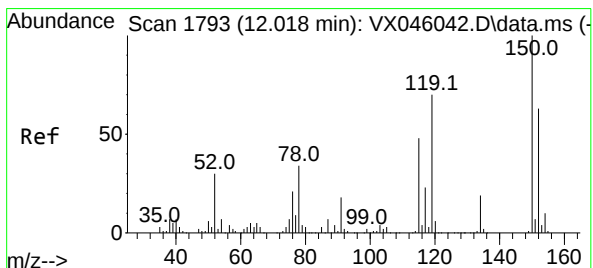
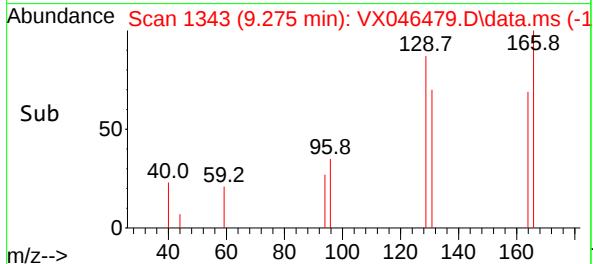
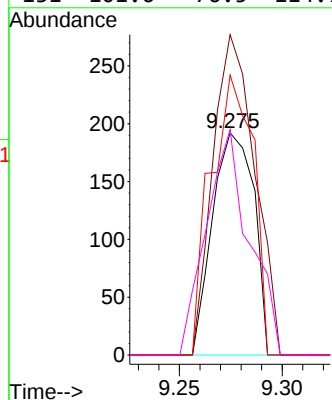
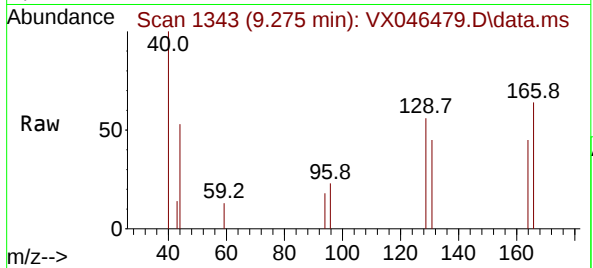




#64
Tetrachloroethene
Concen: 0.321 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046479.D
Acq: 03 Jun 2025 17:40

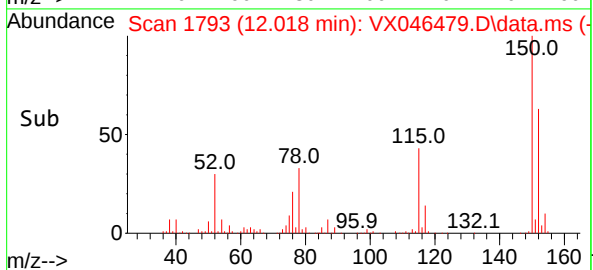
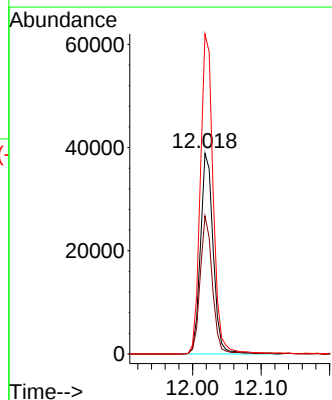
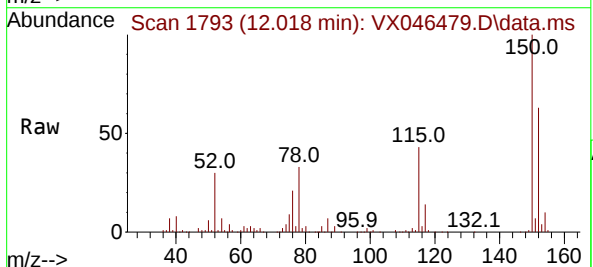
Instrument :
MSVOA_X
ClientSampleId :
MW-8-20250602

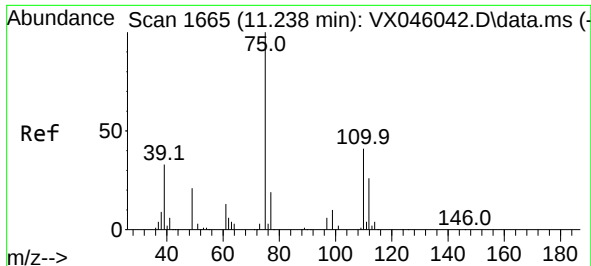
Tgt Ion:164 Resp: 269
Ion Ratio Lower Upper
164 100
166 144.3 105.0 157.6
129 126.0 83.5 125.3#
131 101.6 76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046479.D
Acq: 03 Jun 2025 17:40

Tgt Ion:152 Resp: 50510
Ion Ratio Lower Upper
152 100
115 65.7 46.9 140.7
150 159.8 0.0 351.0

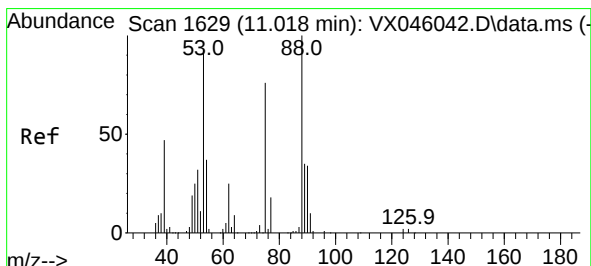
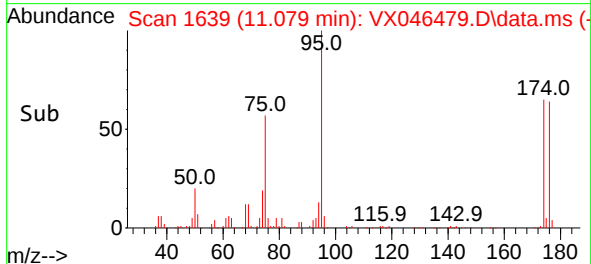
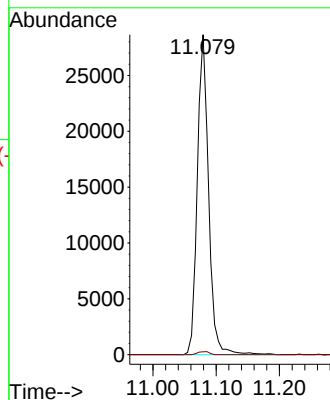
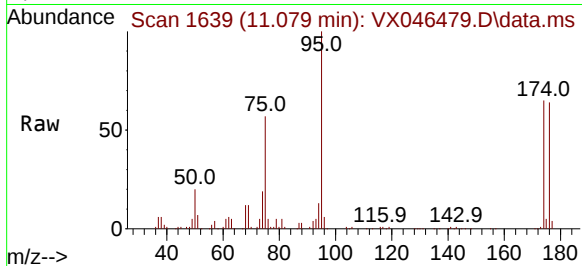




#76
1,2,3-Trichloropropane
Concen: 29.263 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046479.D
Acq: 03 Jun 2025 17:40

Instrument :
MSVOA_X
ClientSampleId :
MW-8-20250602

Tgt Ion: 75 Resp: 35578
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.271 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046479.D
Acq: 03 Jun 2025 17:40

Tgt Ion: 75 Resp: 35578
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

