

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
 Data File : VX047412.D
 Acq On : 19 Aug 2025 15:11
 Operator : JC/MD
 Sample : Q2815-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-11M-W

Quant Time: Aug 20 01:27:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

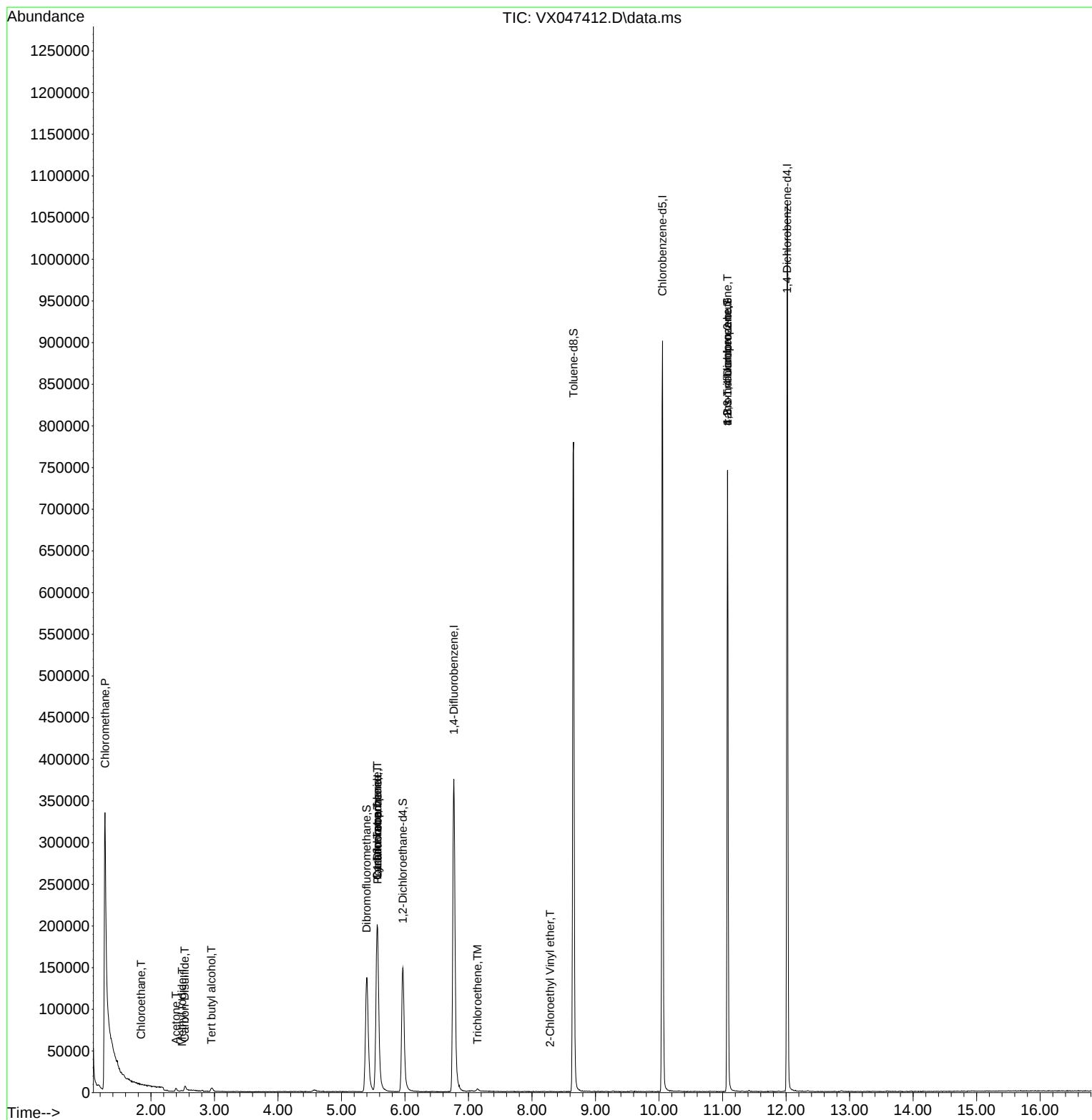
Internal Standards						
1) Pentafluorobenzene	5.568	168	205245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	410791	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	412728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	211590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	160690	55.941	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 111.880%	
35) Dibromofluoromethane	5.397	113	134529	50.460	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.920%	
50) Toluene-d8	8.653	98	473845	49.725	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.460%	
62) 4-Bromofluorobenzene	11.079	95	195878	55.703	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.276	50	17202	7.309	ug/l #	41
6) Chloroethane	1.843	64	1137	0.629	ug/l #	44
10) Methyl Iodide	2.489	142	1384	0.319	ug/l #	68
11) Tert butyl alcohol	2.953	59	1990	7.964	ug/l #	72
16) Acetone	2.392	43	5802	5.374	ug/l #	75
17) Carbon Disulfide	2.532	76	5355	0.687	ug/l	97
31) Cyclohexane	5.562	56	4099	0.887	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	17765	4.221	ug/l #	49
38) Carbon Tetrachloride	5.562	117	21893	4.760	ug/l #	15
44) Trichloroethene	7.141	130	1369	0.424	ug/l	77
58) 2-Chloroethyl Vinyl ether	8.287	63	18	8.364	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	100872	25.993	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	100872	103.078	ug/l #	7

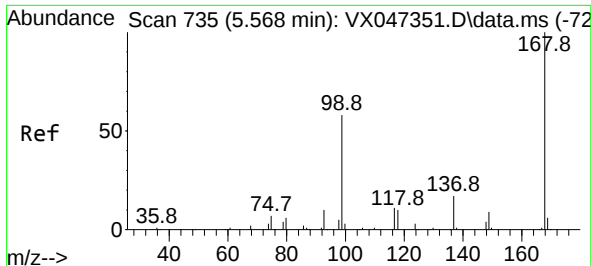
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047412.D
Acq On : 19 Aug 2025 15:11
Operator : JC/MD
Sample : Q2815-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-11M-W

Quant Time: Aug 20 01:27:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

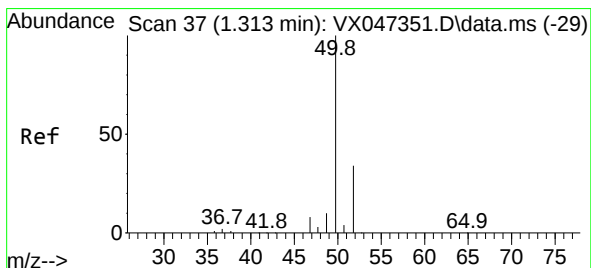
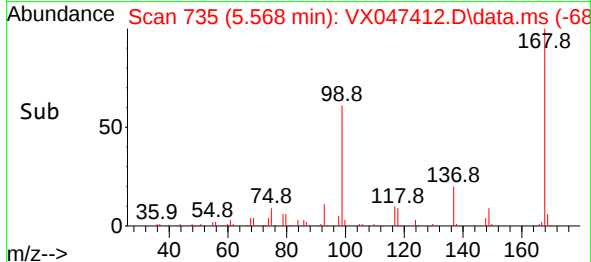
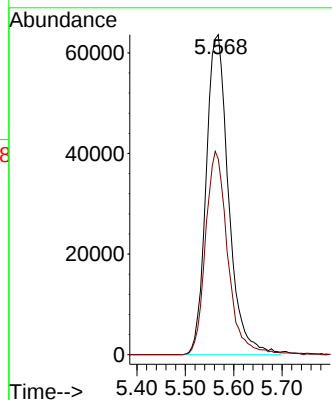
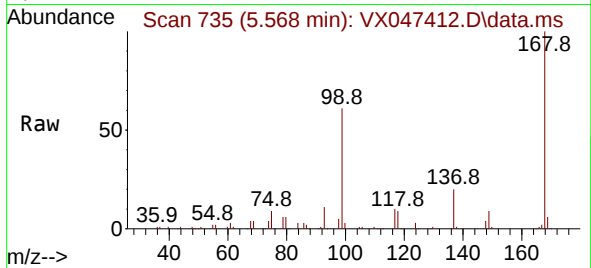




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047412.D
Acq: 19 Aug 2025 15:11

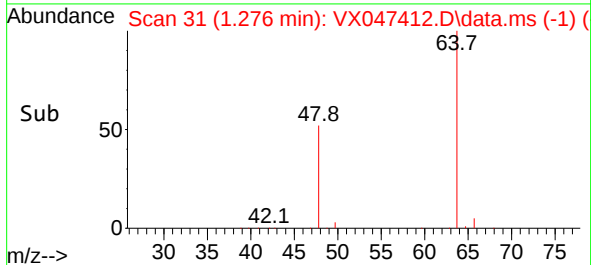
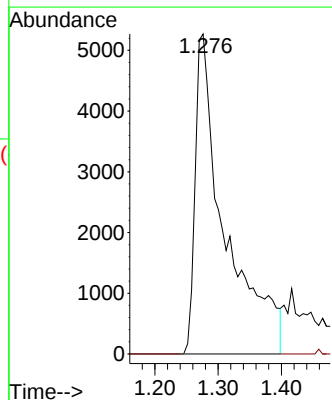
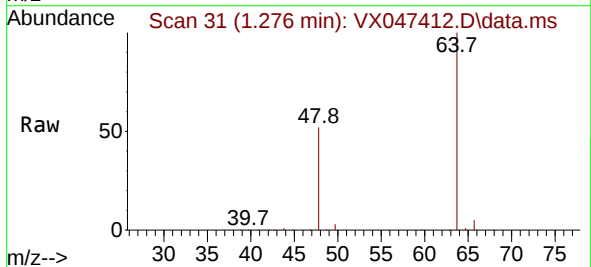
Instrument :
MSVOA_X
ClientSampleId :
TW-11M-W

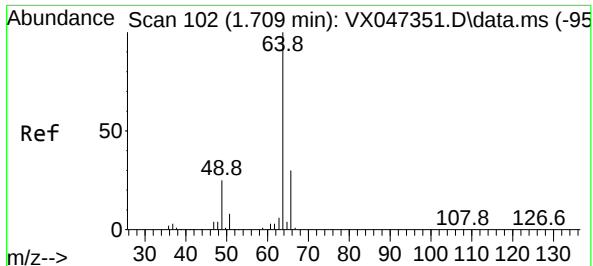
Tgt Ion:168 Resp: 205245
Ion Ratio Lower Upper
168 100
99 61.1 47.9 71.9



#3
Chloromethane
Concen: 7.309 ug/l
RT: 1.276 min Scan# 31
Delta R.T. -0.037 min
Lab File: VX047412.D
Acq: 19 Aug 2025 15:11

Tgt Ion: 50 Resp: 17202
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.4#

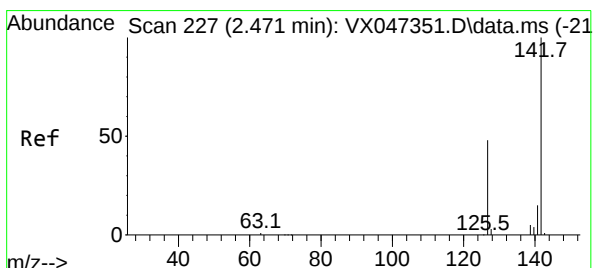
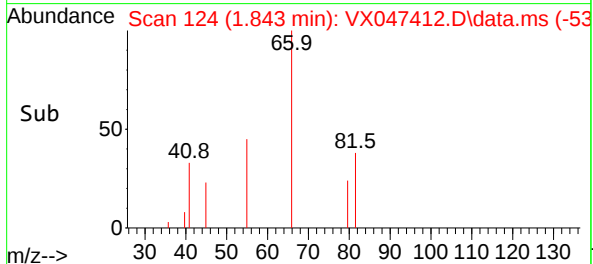
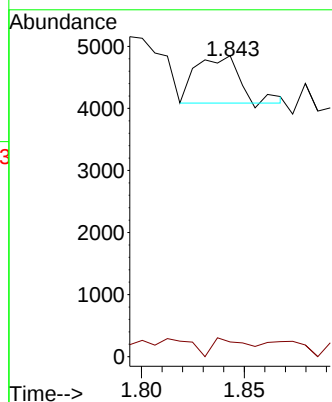
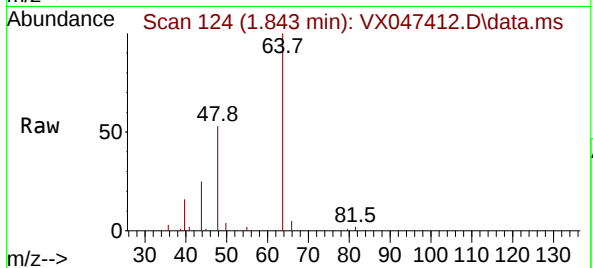




#6
Chloroethane
Concen: 0.629 ug/l
RT: 1.843 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX047412.D
Acq: 19 Aug 2025 15:11

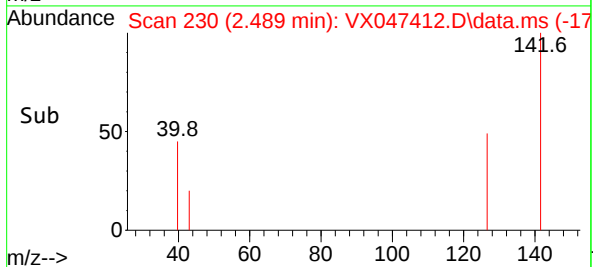
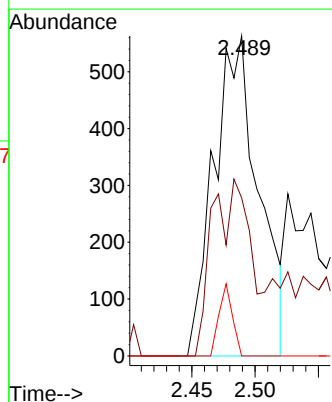
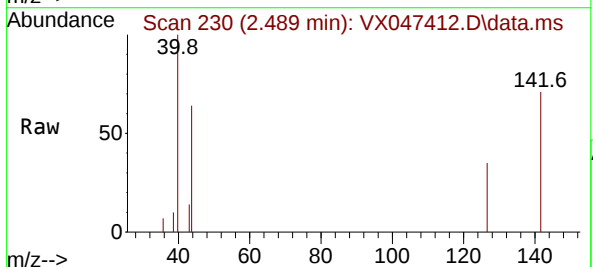
Instrument :
MSVOA_X
ClientSampleId :
TW-11M-W

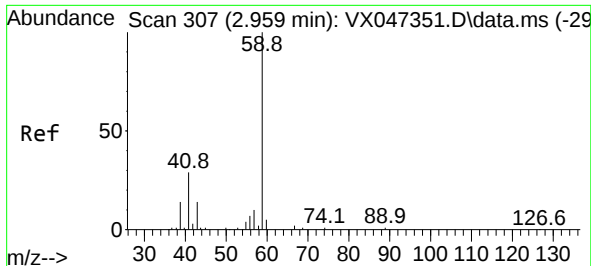
Tgt Ion: 64 Resp: 1137
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#10
Methyl Iodide
Concen: 0.319 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.018 min
Lab File: VX047412.D
Acq: 19 Aug 2025 15:11

Tgt Ion:142 Resp: 1384
Ion Ratio Lower Upper
142 100
127 21.7 36.1 54.1#
141 6.7 11.1 16.7#

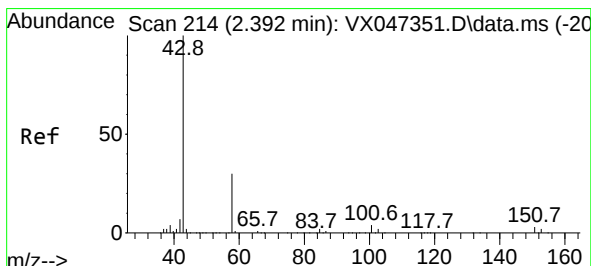
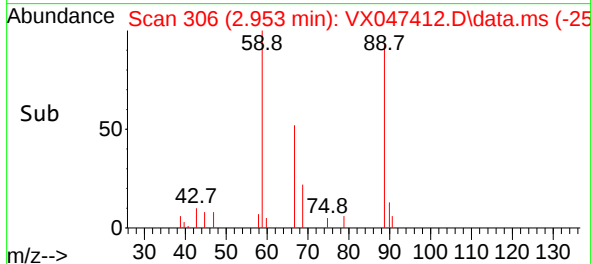
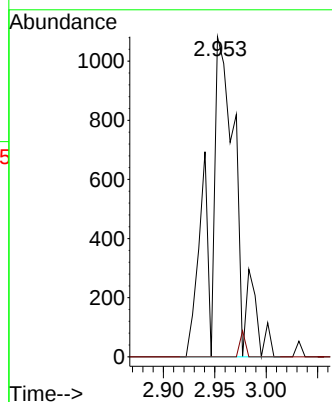
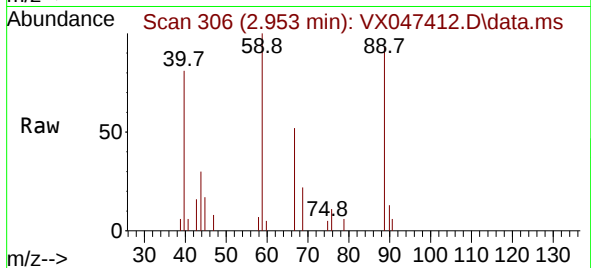




#11
Tert butyl alcohol
Concen: 7.964 ug/l
RT: 2.953 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX047412.D
Acq: 19 Aug 2025 15:11

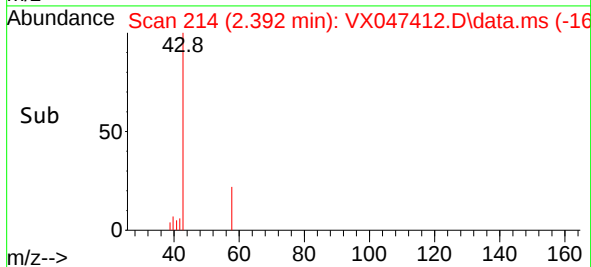
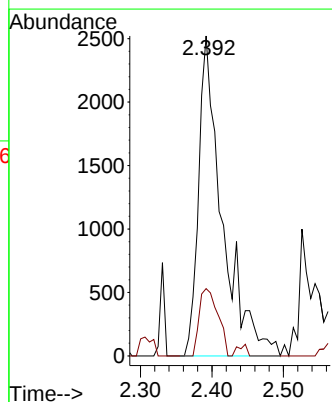
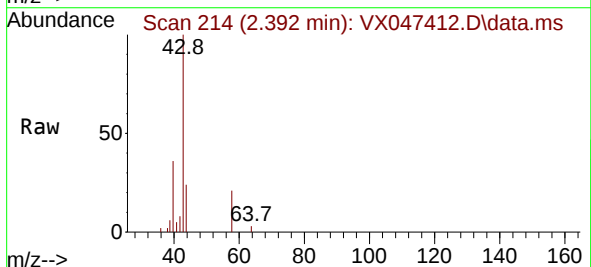
Instrument :
MSVOA_X
ClientSampleId :
TW-11M-W

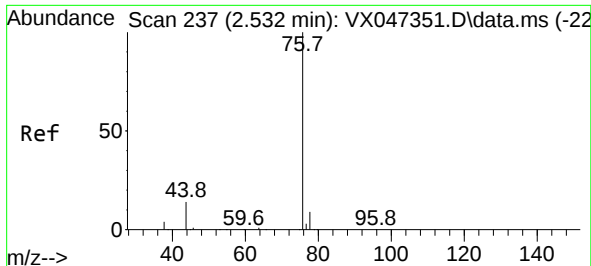
Tgt Ion: 59 Resp: 1990
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 5.374 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047412.D
Acq: 19 Aug 2025 15:11

Tgt Ion: 43 Resp: 5802
Ion Ratio Lower Upper
43 100
58 17.0 24.8 37.2#

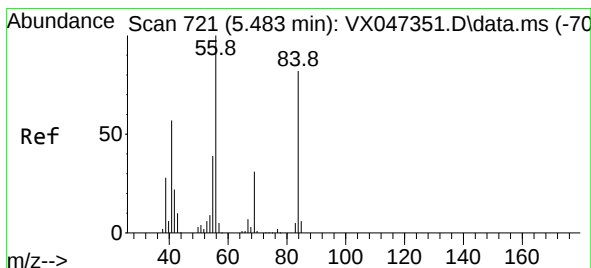
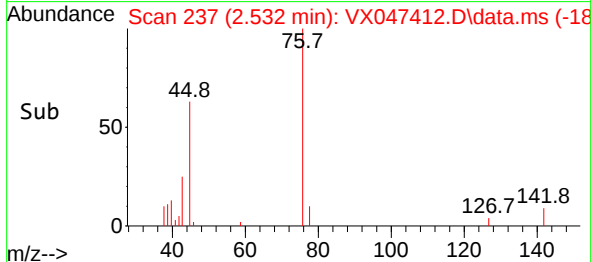
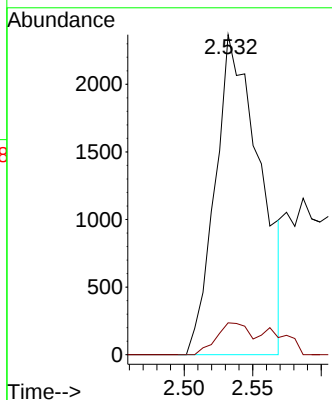
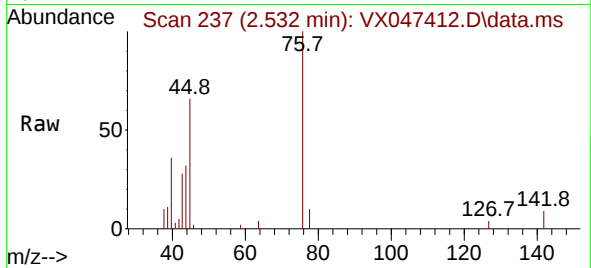




#17
Carbon Disulfide
Concen: 0.687 ug/l
RT: 2.532 min Scan# 217
Delta R.T. 0.000 min
Lab File: VX047412.D
Acq: 19 Aug 2025 15:11

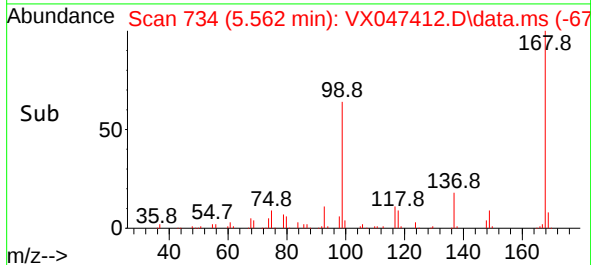
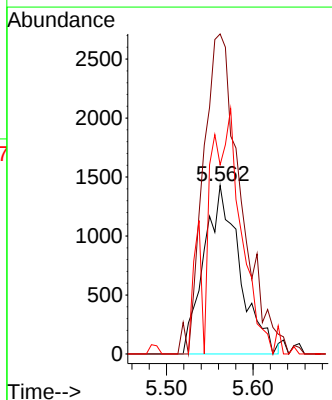
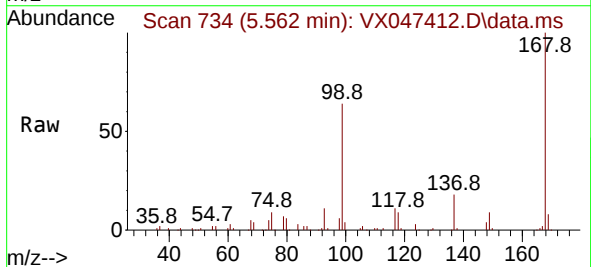
Instrument :
MSVOA_X
ClientSampleId :
TW-11M-W

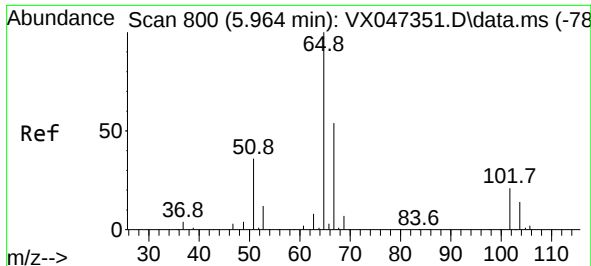
Tgt Ion: 76 Resp: 5355
Ion Ratio Lower Upper
76 100
78 10.0 7.2 10.8



#31
Cyclohexane
Concen: 0.887 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX047412.D
Acq: 19 Aug 2025 15:11

Tgt Ion: 56 Resp: 4099
Ion Ratio Lower Upper
56 100
69 189.9 24.3 36.5#
84 112.2 65.3 97.9#

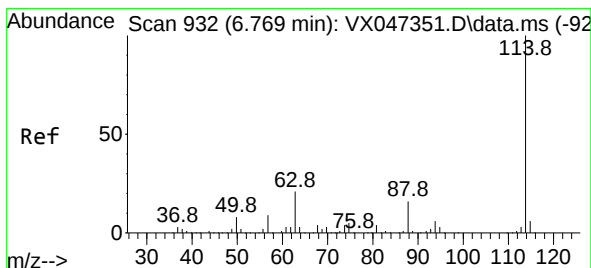
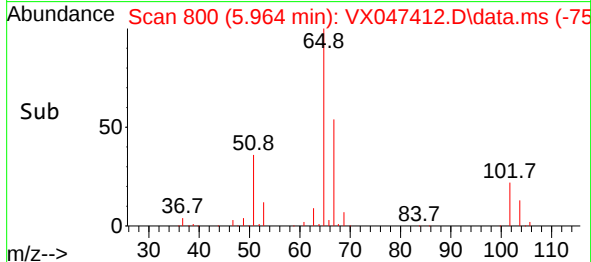
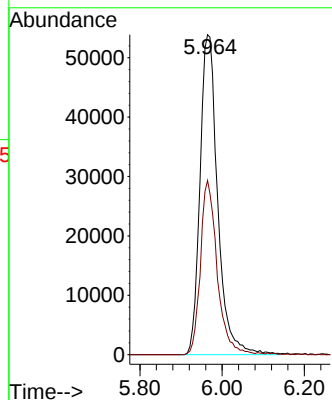
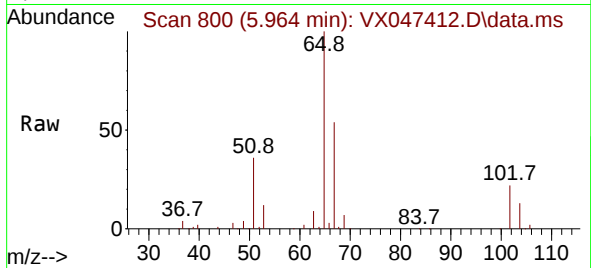




#33
1,2-Dichloroethane-d4
Concen: 55.941 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047412.D
Acq: 19 Aug 2025 15:11

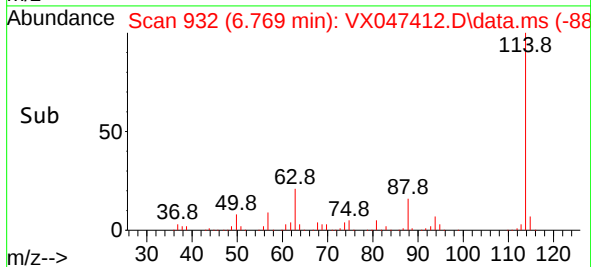
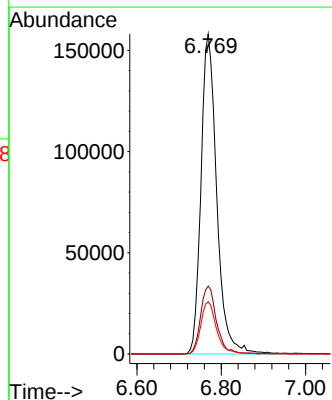
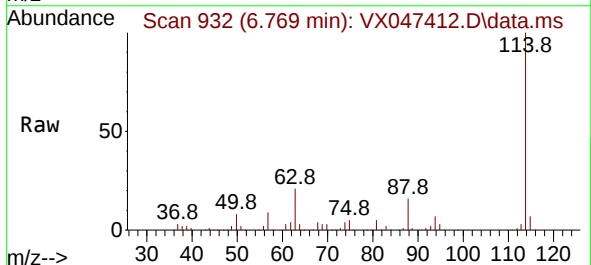
Instrument :
MSVOA_X
ClientSampleId :
TW-11M-W

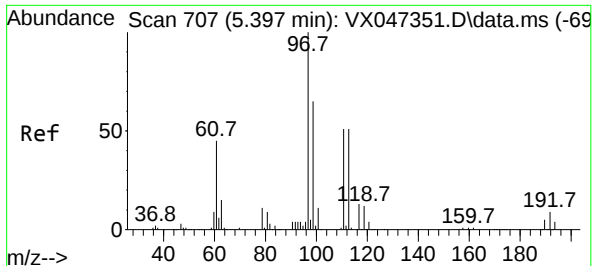
Tgt Ion: 65 Resp: 160690
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047412.D
Acq: 19 Aug 2025 15:11

Tgt Ion: 114 Resp: 410791
Ion Ratio Lower Upper
114 100
63 21.2 0.0 42.4
88 16.3 0.0 33.0

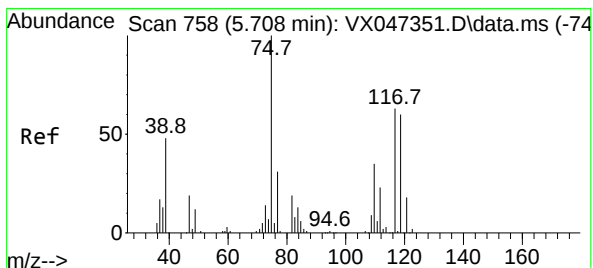
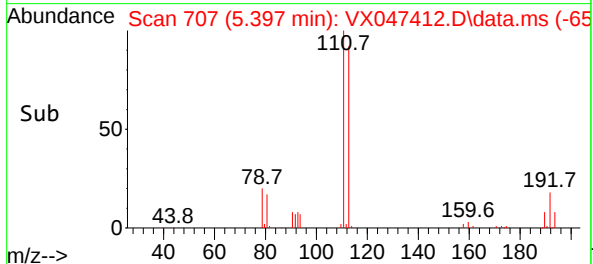
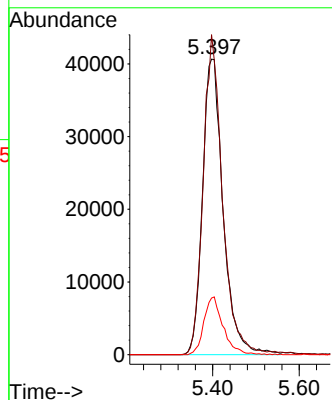
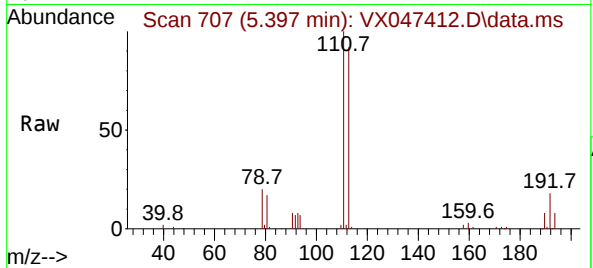




#35
Dibromofluoromethane
Concen: 50.460 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047412.D
Acq: 19 Aug 2025 15:11

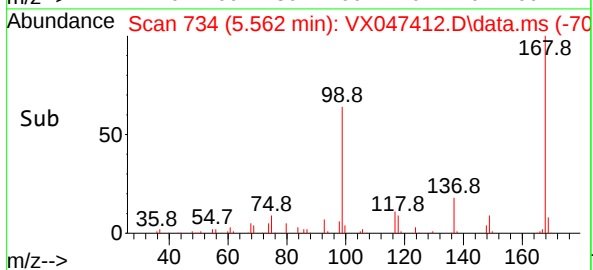
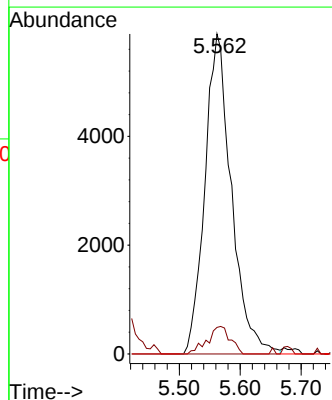
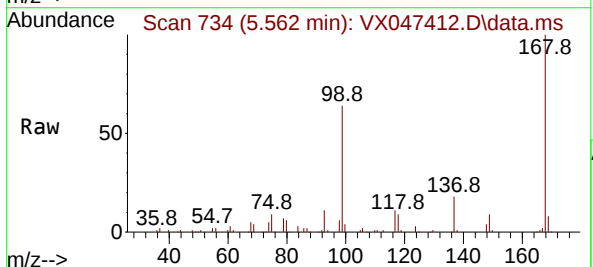
Instrument :
MSVOA_X
ClientSampleId :
TW-11M-W

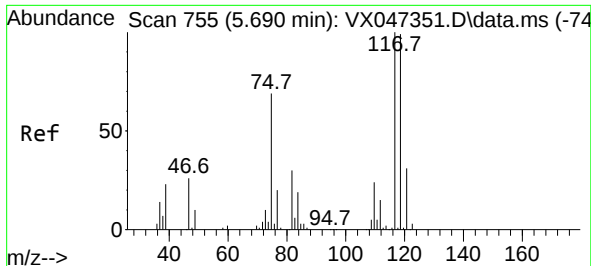
Tgt Ion:113 Resp: 134529
Ion Ratio Lower Upper
113 100
111 101.2 81.4 122.2
192 18.2 14.1 21.1



#36
1,1-Dichloropropene
Concen: 4.221 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.146 min
Lab File: VX047412.D
Acq: 19 Aug 2025 15:11

Tgt Ion: 75 Resp: 17765
Ion Ratio Lower Upper
75 100
110 7.4 17.4 52.2#
77 0.0 24.4 36.6#

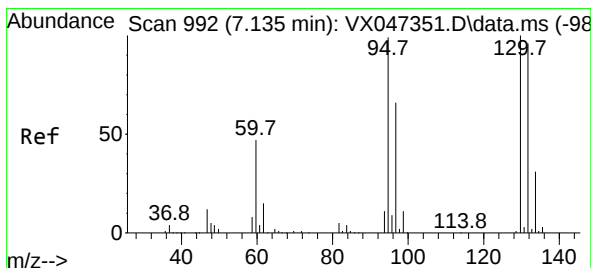
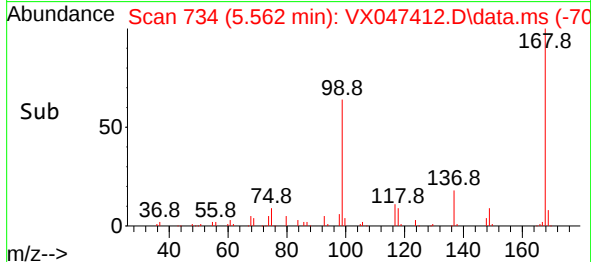
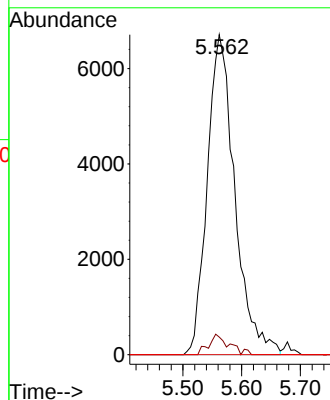
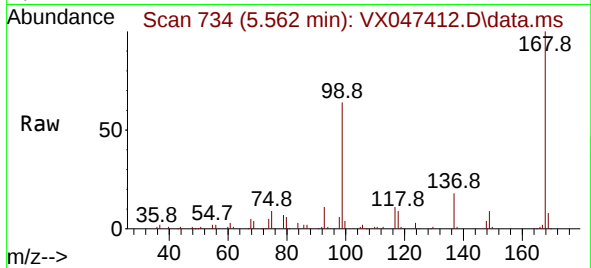




#38
Carbon Tetrachloride
Concen: 4.760 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047412.D
Acq: 19 Aug 2025 15:11

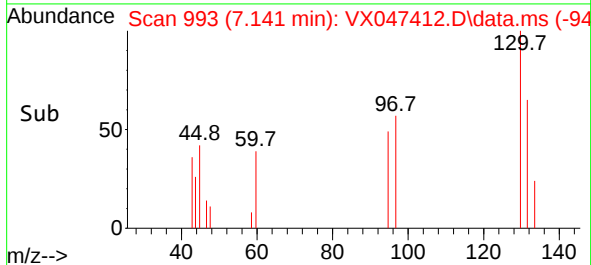
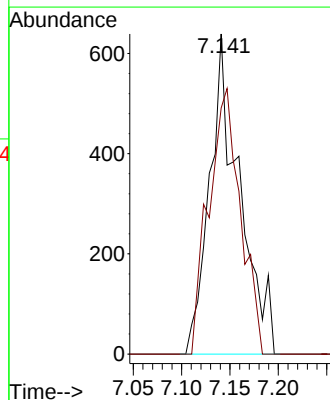
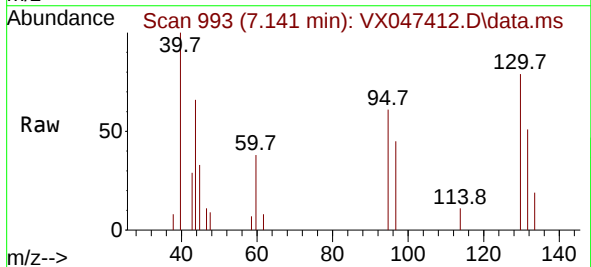
Instrument :
MSVOA_X
ClientSampleId :
TW-11M-W

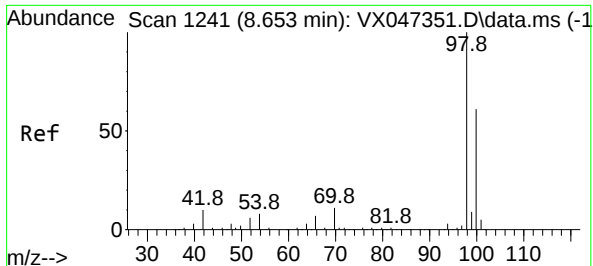
Tgt Ion:117 Resp: 21893
Ion Ratio Lower Upper
117 100
119 5.5 78.5 117.7#
121 0.0 24.7 37.1#



#44
Trichloroethene
Concen: 0.424 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.006 min
Lab File: VX047412.D
Acq: 19 Aug 2025 15:11

Tgt Ion:130 Resp: 1369
Ion Ratio Lower Upper
130 100
95 76.8 0.0 198.6

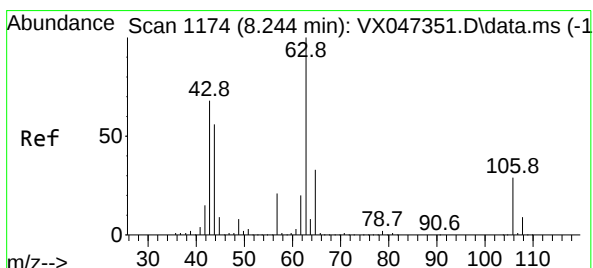
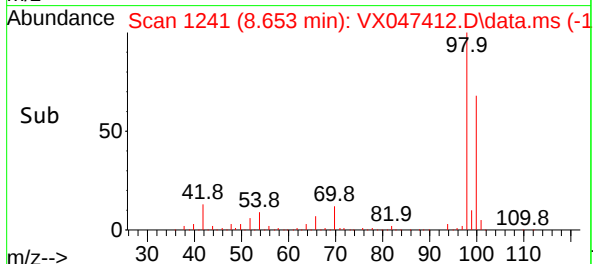
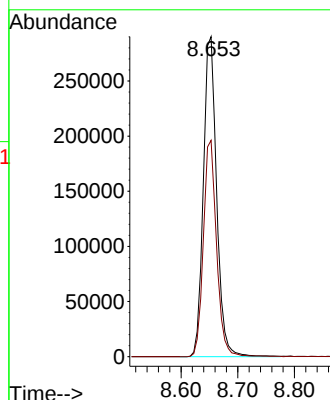
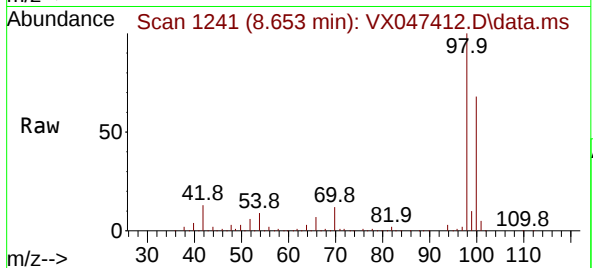




#50
Toluene-d8
Concen: 49.725 ug/l
RT: 8.653 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VX047412.D
Acq: 19 Aug 2025 15:11

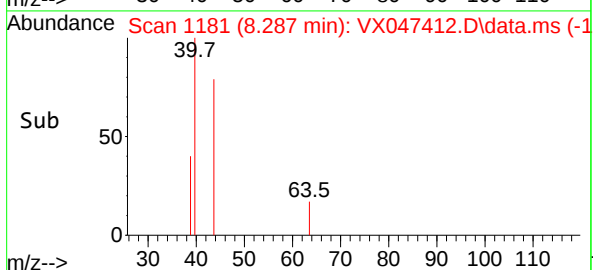
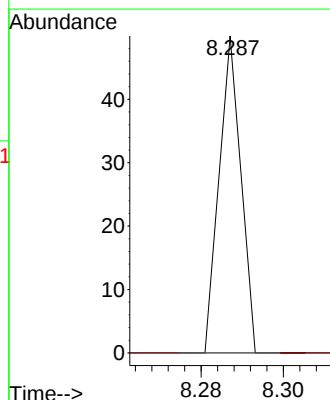
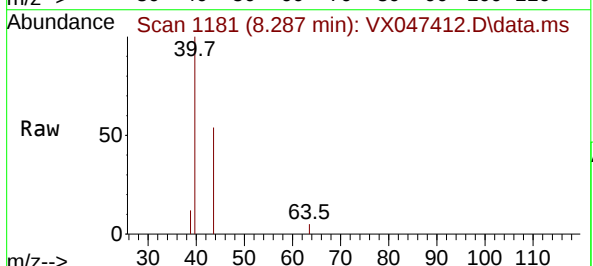
Instrument :
MSVOA_X
ClientSampleId :
TW-11M-W

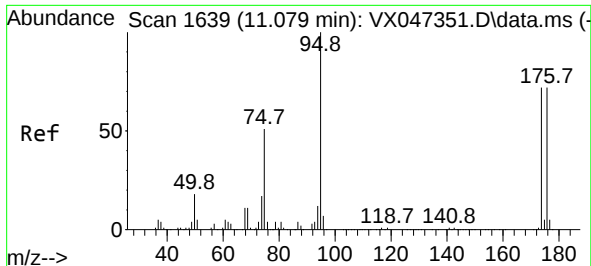
Tgt Ion: 98 Resp: 473845
Ion Ratio Lower Upper
98 100
100 67.1 53.9 80.9



#58
2-Chloroethyl Vinyl ether
Concen: 8.364 ug/l
RT: 8.287 min Scan# 1181
Delta R.T. 0.043 min
Lab File: VX047412.D
Acq: 19 Aug 2025 15:11

Tgt Ion: 63 Resp: 18
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#

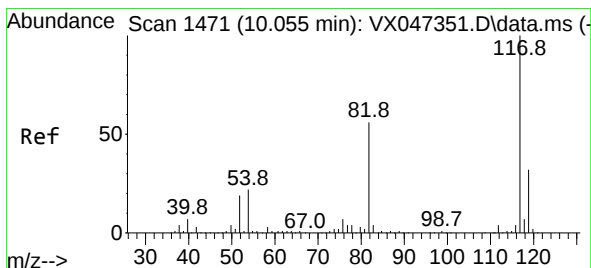
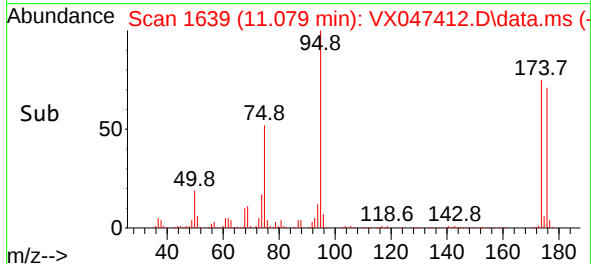
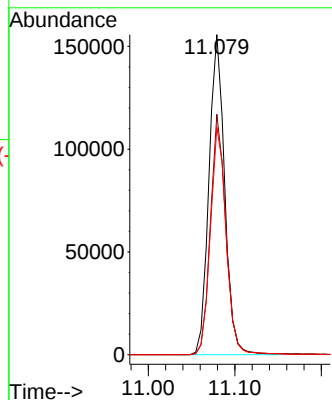
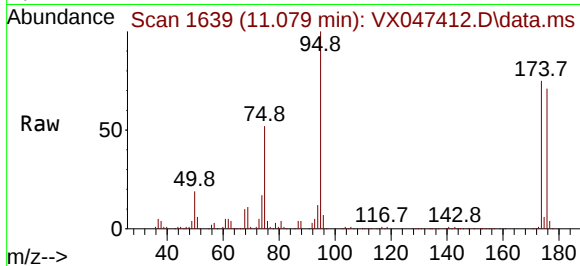




#62
4-Bromofluorobenzene
Concen: 55.703 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047412.D
Acq: 19 Aug 2025 15:11

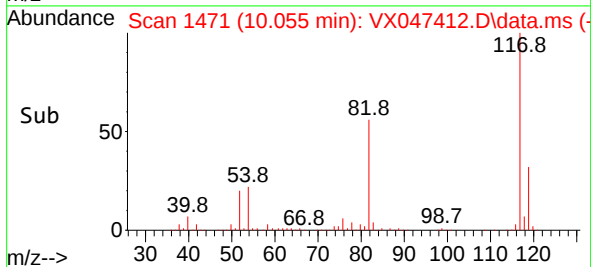
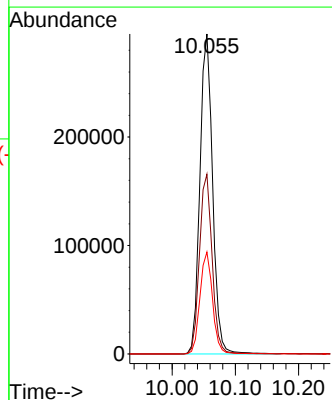
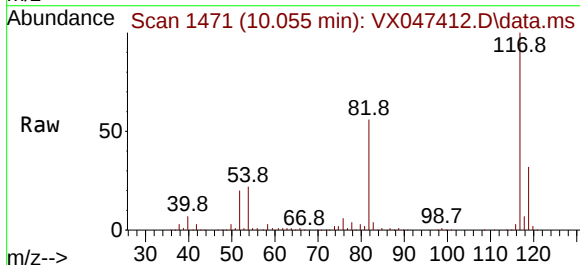
Instrument :
MSVOA_X
ClientSampleId :
TW-11M-W

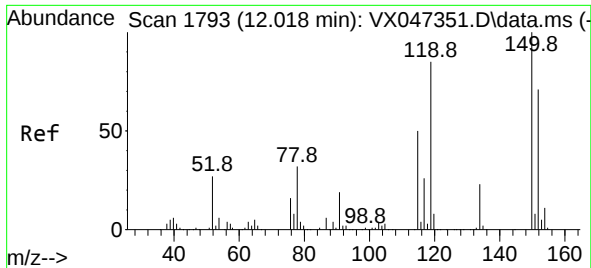
Tgt Ion: 95 Resp: 195878
Ion Ratio Lower Upper
95 100
174 74.2 0.0 148.0
176 71.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047412.D
Acq: 19 Aug 2025 15:11

Tgt Ion: 117 Resp: 412728
Ion Ratio Lower Upper
117 100
82 56.2 45.0 67.4
119 31.8 25.8 38.8

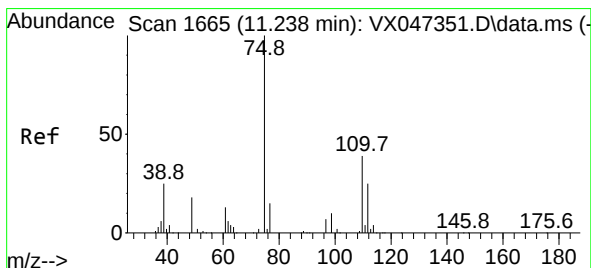
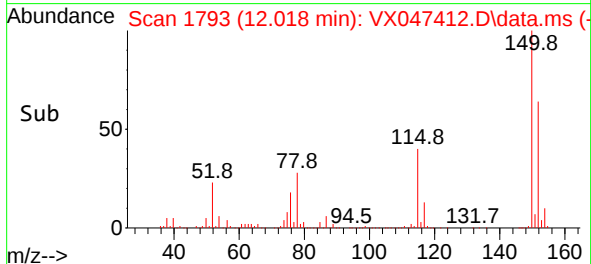
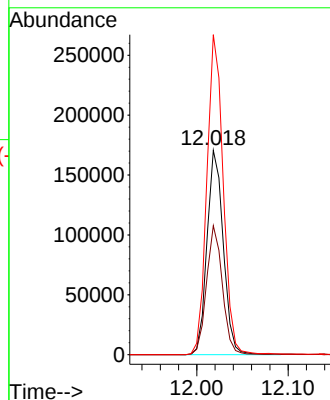
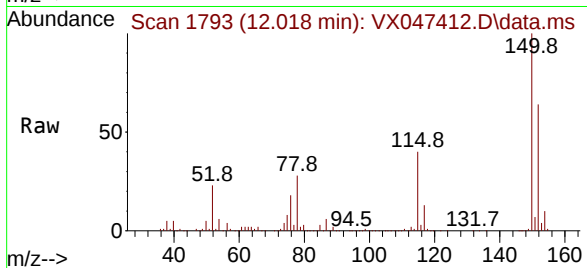




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047412.D
 Acq: 19 Aug 2025 15:11

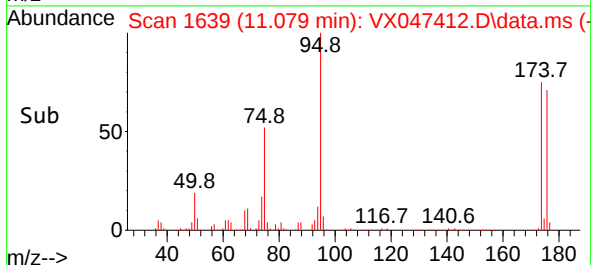
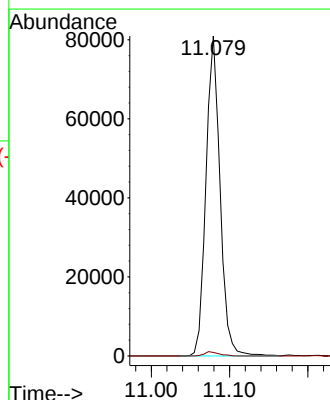
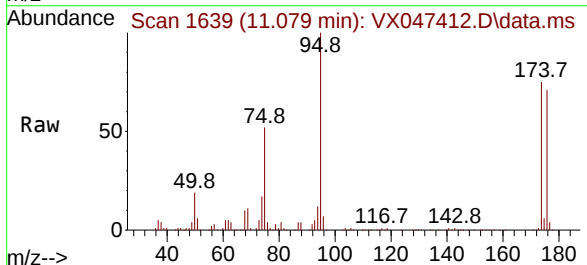
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-11M-W

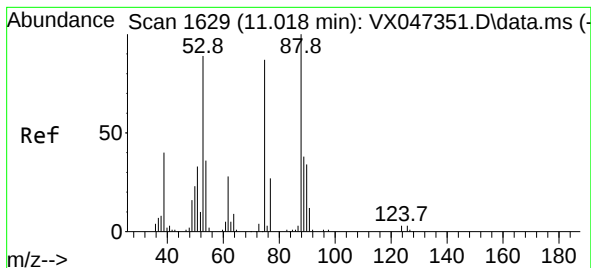
Tgt Ion:152 Resp: 211590
 Ion Ratio Lower Upper
 152 100
 115 61.8 44.6 133.8
 150 157.3 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 25.993 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047412.D
 Acq: 19 Aug 2025 15:11

Tgt Ion: 75 Resp: 100872
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.078 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX047412.D
 Acq: 19 Aug 2025 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-11M-W

Tgt Ion: 75 Resp: 100872
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.2 127.8#
 89 0.0 36.7 55.1#

