

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
 Data File : VX047402.D
 Acq On : 19 Aug 2025 10:55
 Operator : JC/MD
 Sample : VX0819WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBL01

Quant Time: Aug 19 11:12:22 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

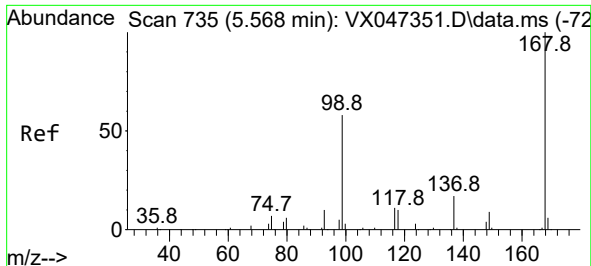
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	204625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	410508	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	416324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	212865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	163941	57.246	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.500%			
35) Dibromofluoromethane	5.391	113	135590	50.893	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.780%			
50) Toluene-d8	8.647	98	471489	49.512	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.020%			
62) 4-Bromofluorobenzene	11.079	95	197272	56.138	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.280%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	461	0.388	ug/l #	6
6) Chloroethane	1.685	64	366	0.203	ug/l #	71
10) Methyl Iodide	2.483	142	2763	0.638	ug/l #	91
13) Acrolein	2.246	56	110	0.209	ug/l #	66
16) Acetone	2.392	43	1731	1.608	ug/l #	83
17) Carbon Disulfide	2.532	76	3813	0.490	ug/l #	94
31) Cyclohexane	5.556	56	4675	1.014	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	16893	4.017	ug/l #	49
38) Carbon Tetrachloride	5.556	117	20214	4.398	ug/l #	16
58) 2-Chloroethyl Vinyl ether	8.141	63	20	8.365	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	101953	26.114	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	101953	103.522	ug/l #	7
94) Hexachlorobutadiene	13.725	225	635	0.361	ug/l	94

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

Quant Time: Aug 19 11:12:22 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

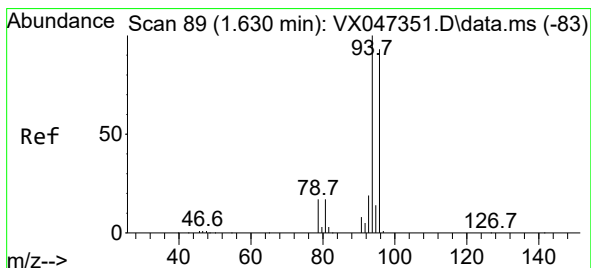
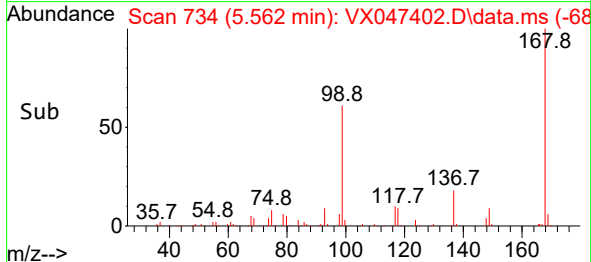
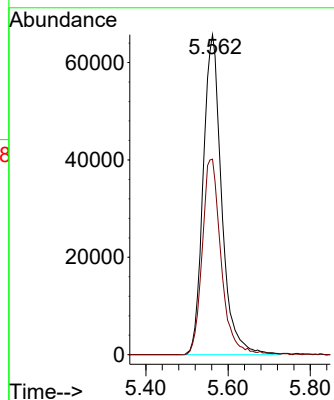
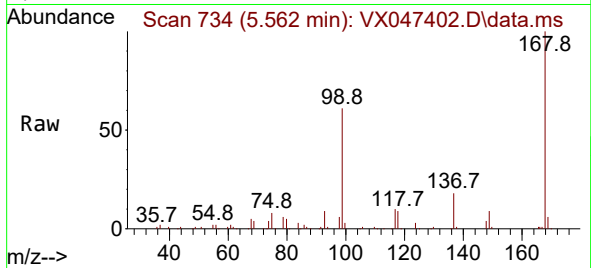




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

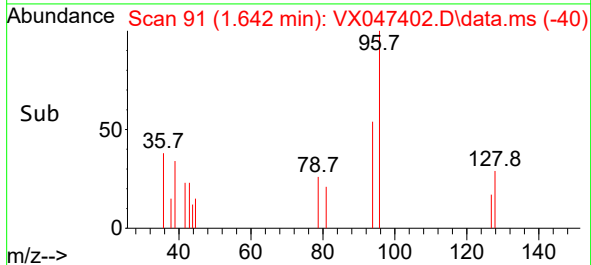
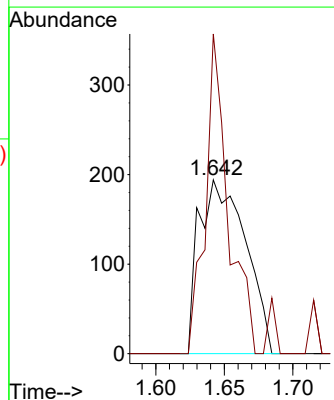
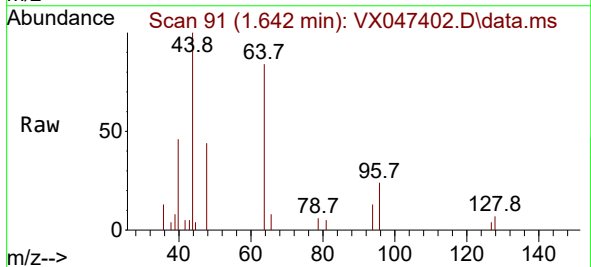
Instrument :
MSVOA_X
ClientSampleId :
VX0819WBL01

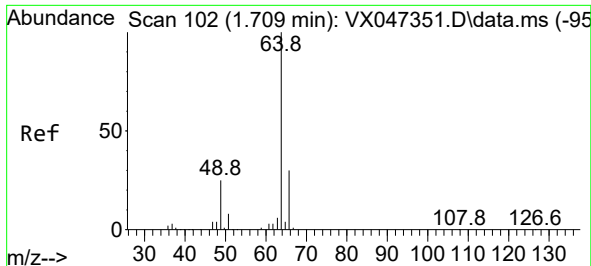
Tgt Ion:168 Resp: 204625
Ion Ratio Lower Upper
168 100
99 61.1 47.9 71.9



#5
Bromomethane
Concen: 0.388 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

Tgt Ion: 94 Resp: 461
Ion Ratio Lower Upper
94 100
96 184.0 74.7 112.1#

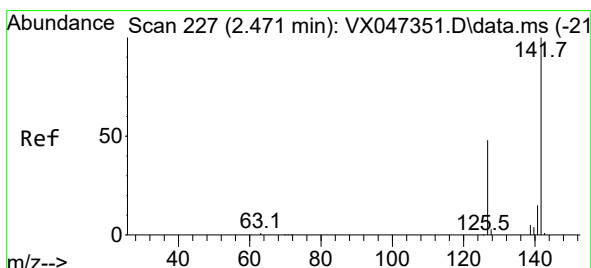
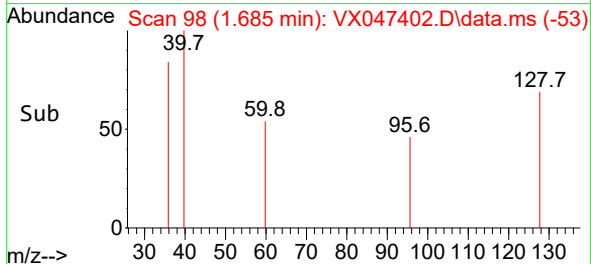
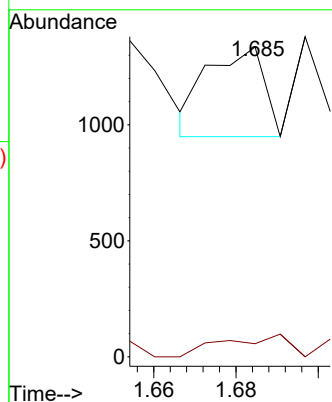
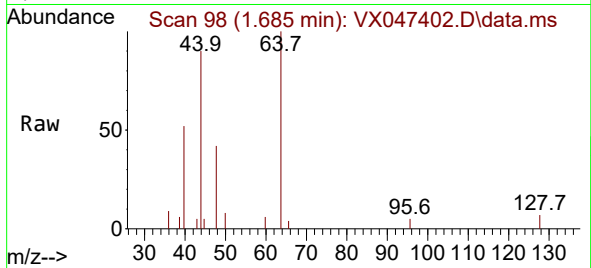




#6
Chloroethane
Concen: 0.203 ug/l
RT: 1.685 min Scan# 91
Delta R.T. -0.024 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

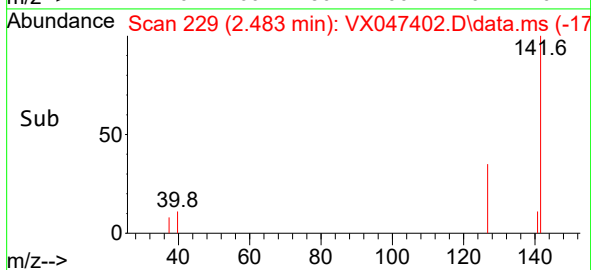
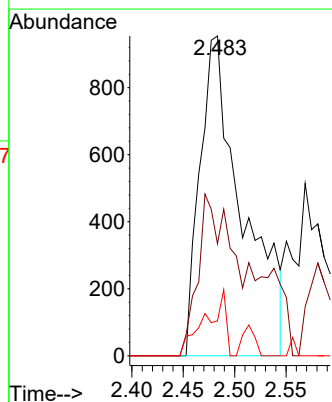
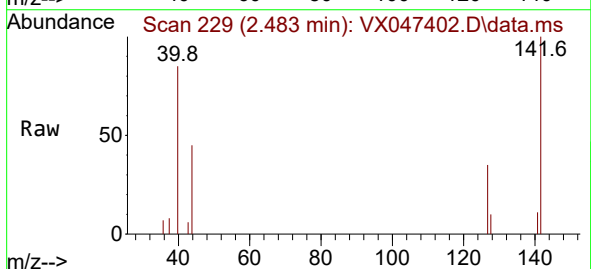
Instrument :
MSVOA_X
ClientSampleId :
VX0819WBL01

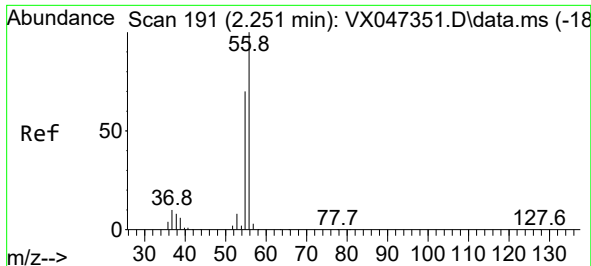
Tgt Ion: 64 Resp: 366
Ion Ratio Lower Upper
64 100
66 14.5 24.4 36.6#



#10
Methyl Iodide
Concen: 0.638 ug/l
RT: 2.483 min Scan# 229
Delta R.T. 0.012 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

Tgt Ion:142 Resp: 2763
Ion Ratio Lower Upper
142 100
127 39.4 36.1 54.1
141 9.7 11.1 16.7#

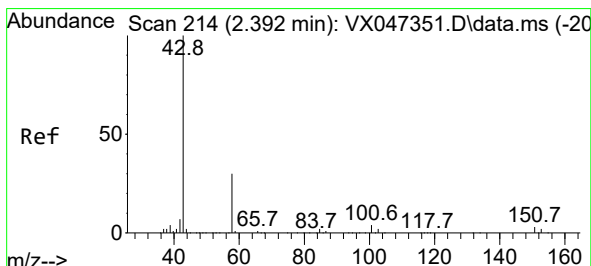
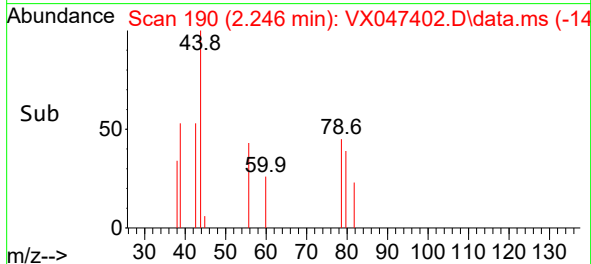
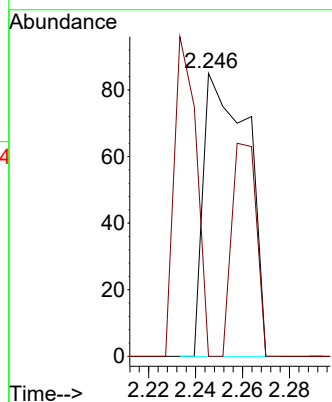
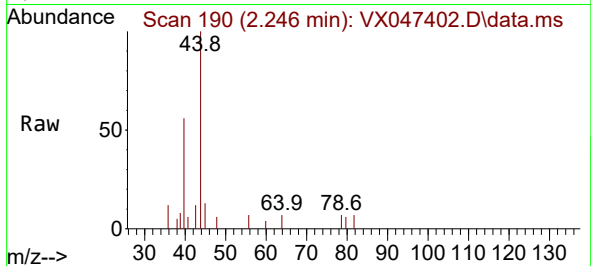




#13
Acrolein
Concen: 0.209 ug/l
RT: 2.246 min Scan# 191
Delta R.T. -0.006 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

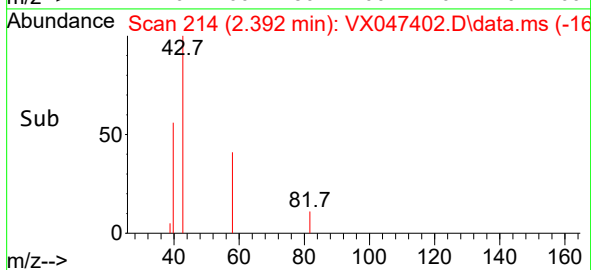
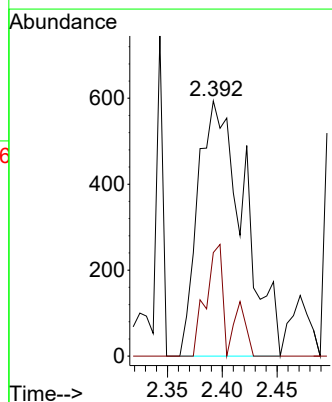
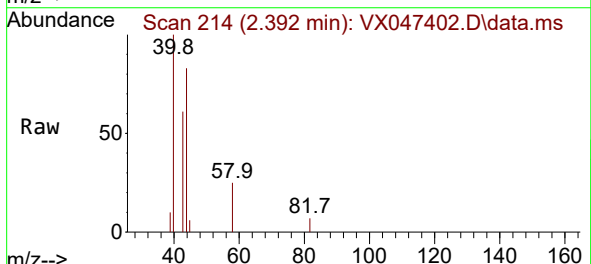
Instrument :
MSVOA_X
ClientSampleId :
VX0819WBL01

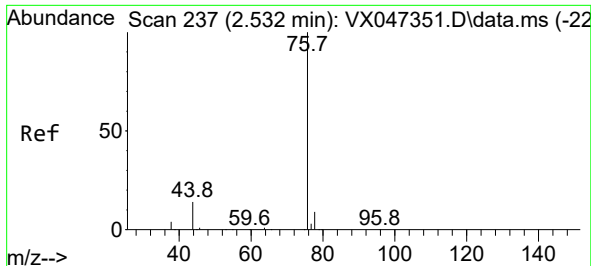
Tgt Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 41.8 55.5 83.3#



#16
Acetone
Concen: 1.608 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

Tgt Ion: 43 Resp: 1731
Ion Ratio Lower Upper
43 100
58 40.6 24.8 37.2#

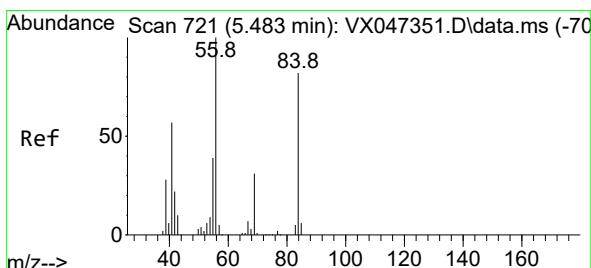
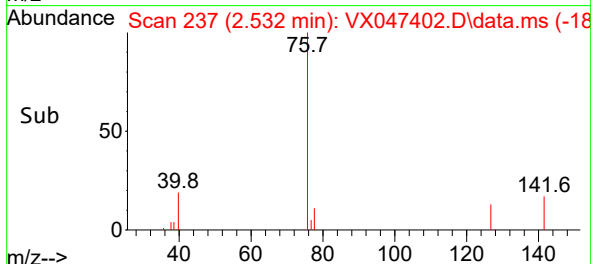
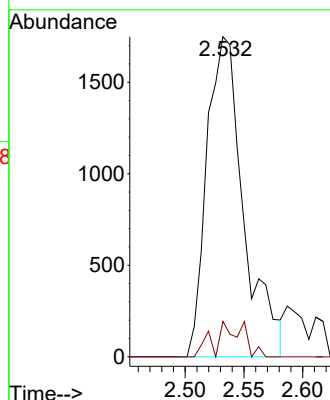
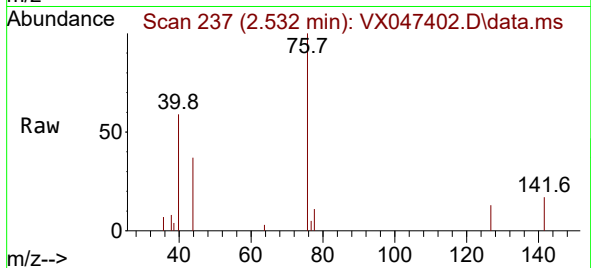




#17
Carbon Disulfide
Concen: 0.490 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

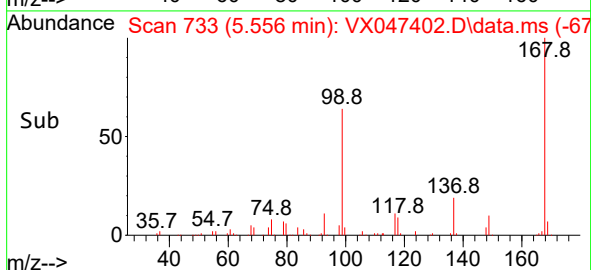
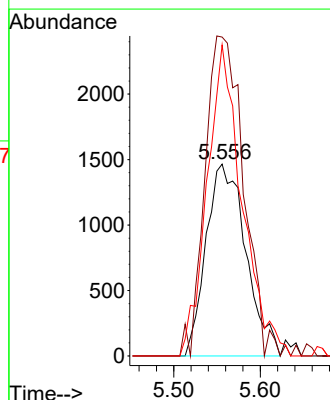
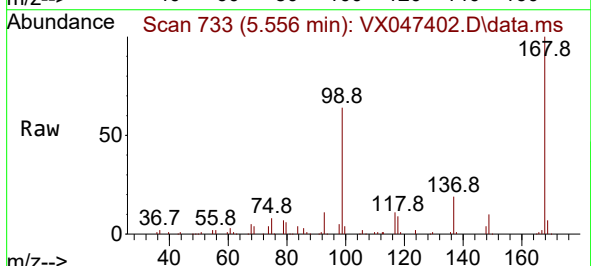
Instrument :
MSVOA_X
ClientSampleId :
VX0819WBL01

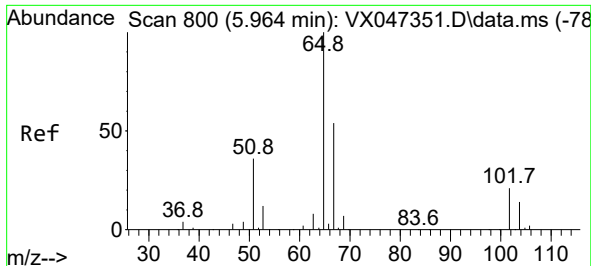
Tgt Ion: 76 Resp: 3813
Ion Ratio Lower Upper
76 100
78 11.1 7.2 10.8#



#31
Cyclohexane
Concen: 1.014 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.073 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

Tgt Ion: 56 Resp: 4675
Ion Ratio Lower Upper
56 100
69 166.3 24.3 36.5#
84 162.2 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: 57.246 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047402.D

Acq: 19 Aug 2025 10:55

Instrument :

MSVOA_X

ClientSampleId :

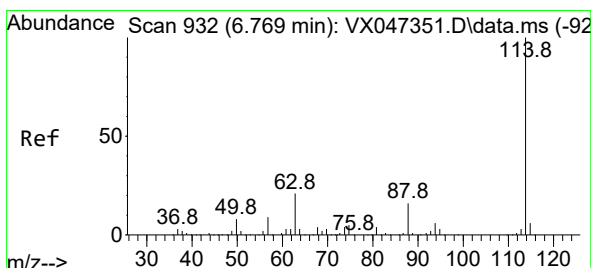
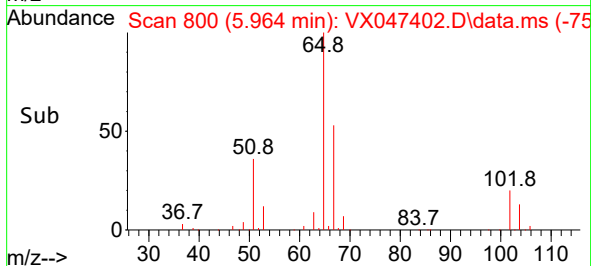
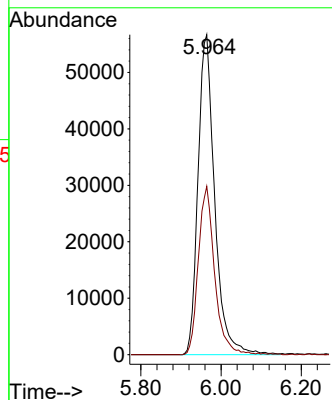
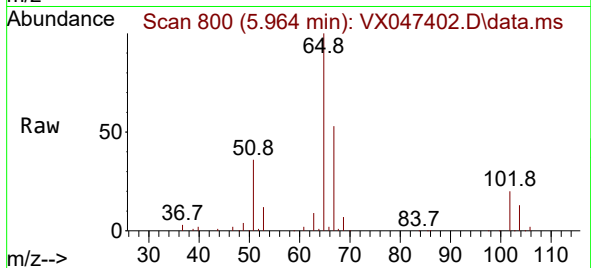
VX0819WBL01

Tgt Ion: 65 Resp: 163941

Ion Ratio Lower Upper

65 100

67 51.3 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX047402.D

Acq: 19 Aug 2025 10:55

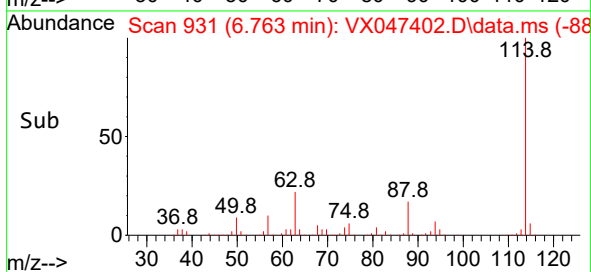
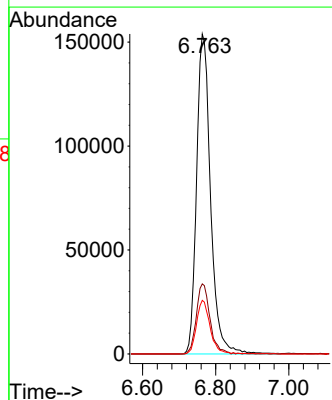
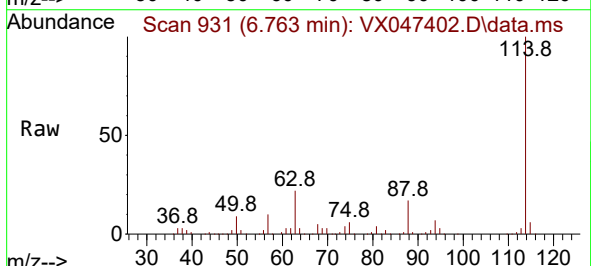
Tgt Ion: 114 Resp: 410508

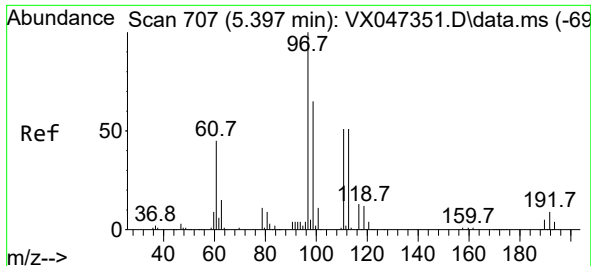
Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.4

88 16.7 0.0 33.0

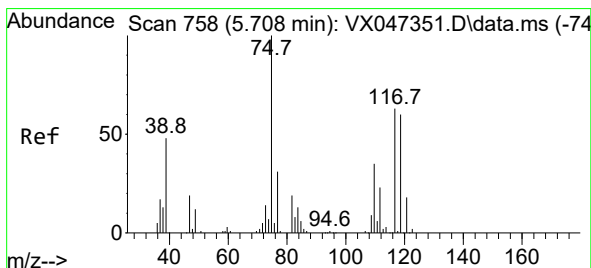
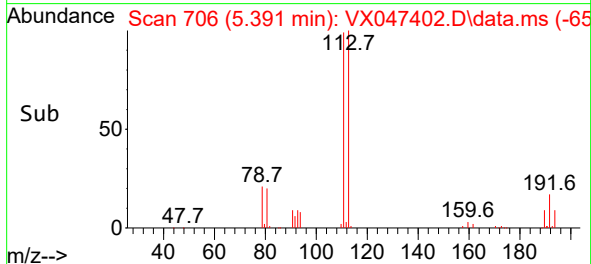
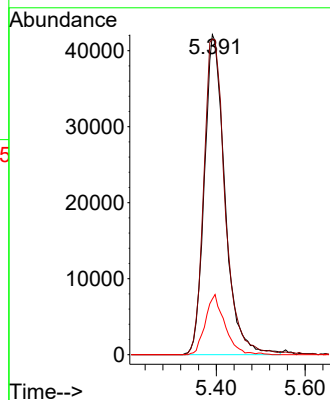
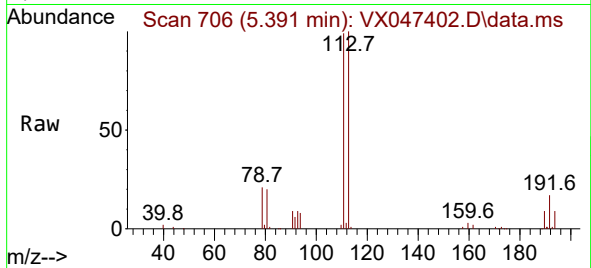




#35
Dibromofluoromethane
Concen: 50.893 ug/l
RT: 5.391 min Scan# 707
Delta R.T. -0.006 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

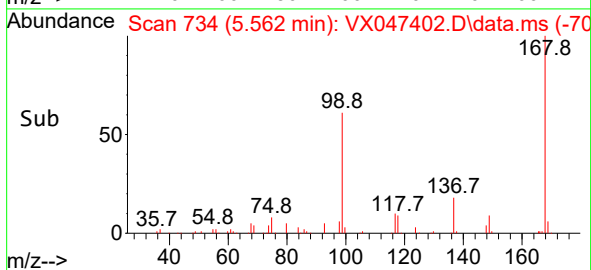
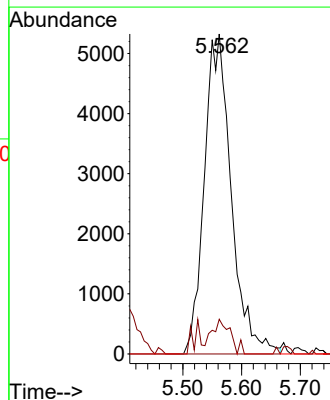
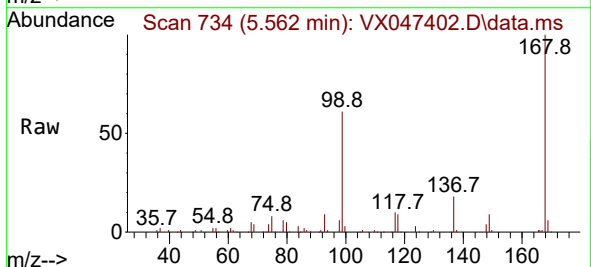
Instrument :
MSVOA_X
ClientSampleId :
VX0819WBL01

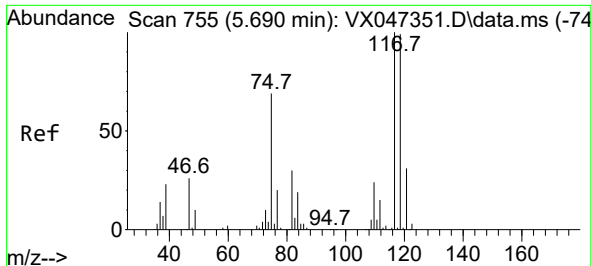
Tgt Ion:113 Resp: 135590
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.2
192 17.8 14.1 21.1



#36
1,1-Dichloropropene
Concen: 4.017 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.146 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

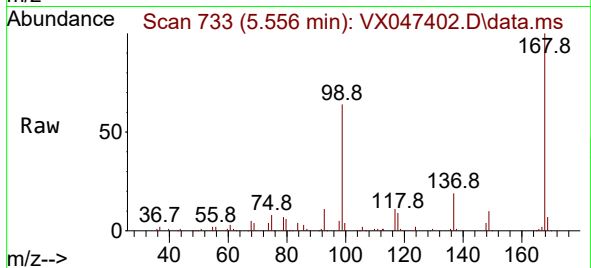
Tgt Ion: 75 Resp: 16893
Ion Ratio Lower Upper
75 100
110 7.5 17.4 52.2#
77 0.0 24.4 36.6#



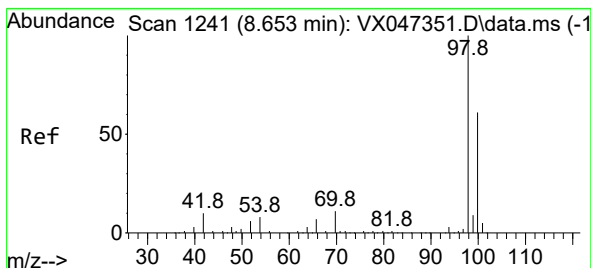
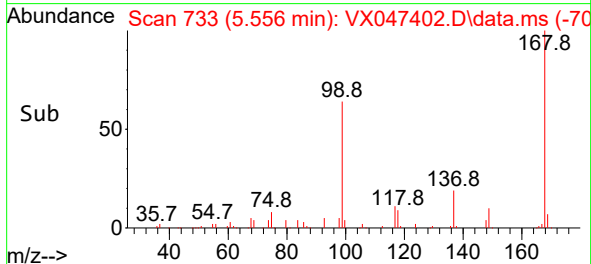
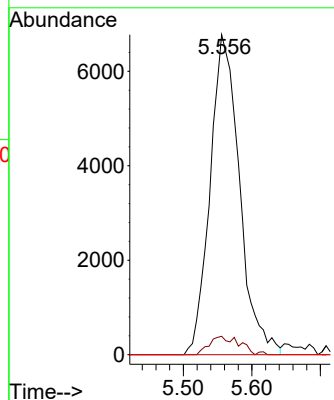


#38
Carbon Tetrachloride
Concen: 4.398 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBL01

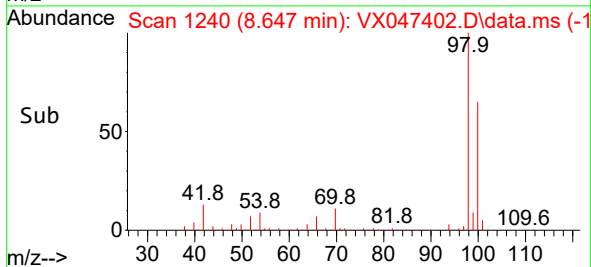
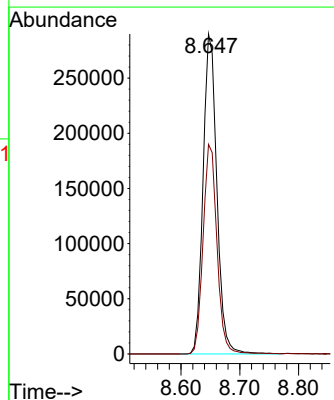
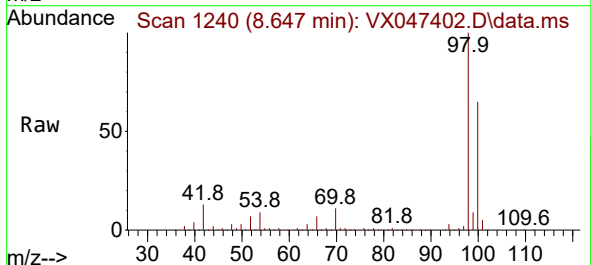


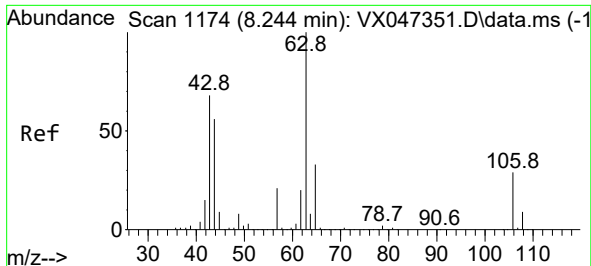
Tgt Ion:117 Resp: 20214
Ion Ratio Lower Upper
117 100
119 5.8 78.5 117.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.512 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

Tgt Ion: 98 Resp: 471489
Ion Ratio Lower Upper
98 100
100 65.8 53.9 80.9

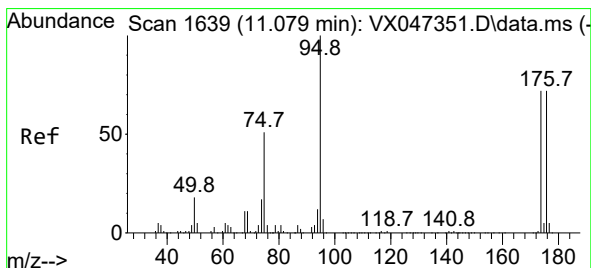
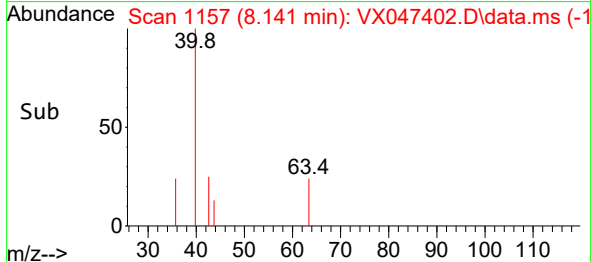
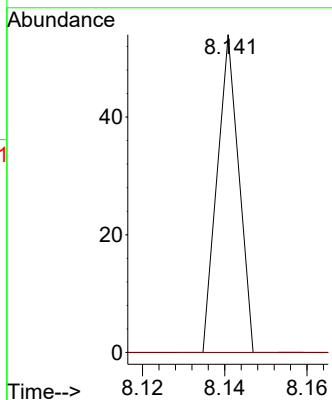
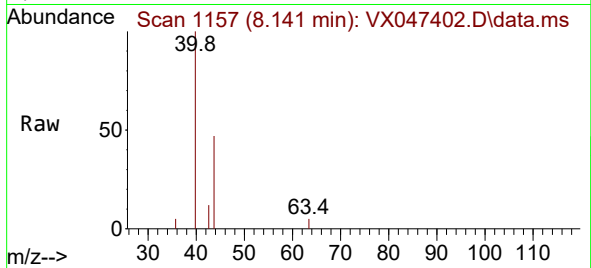




#58
2-Chloroethyl Vinyl ether
Concen: 8.365 ug/l
RT: 8.141 min Scan# 1157
Delta R.T. -0.103 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

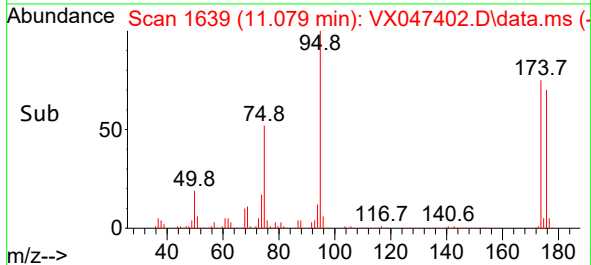
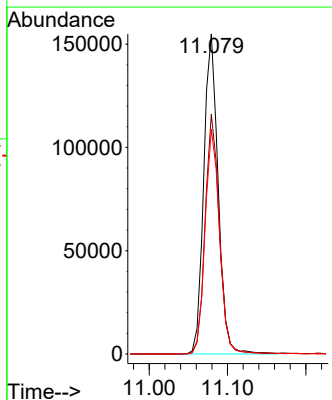
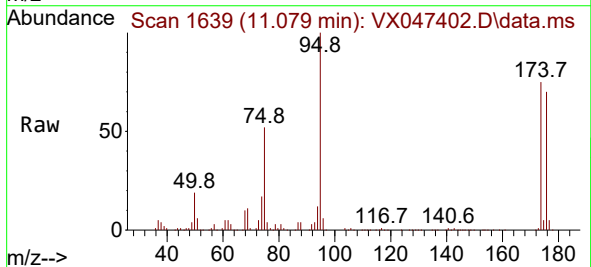
Instrument :
MSVOA_X
ClientSampleId :
VX0819WBL01

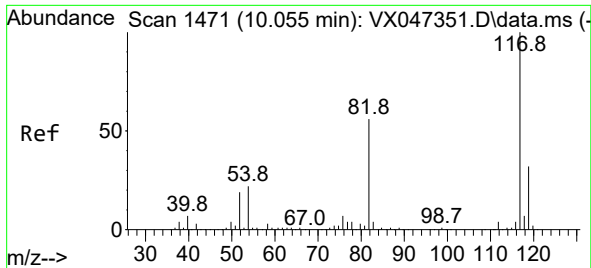
Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#



#62
4-Bromofluorobenzene
Concen: 56.138 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

Tgt Ion: 95 Resp: 197272
Ion Ratio Lower Upper
95 100
174 74.0 0.0 148.0
176 70.8 0.0 145.4

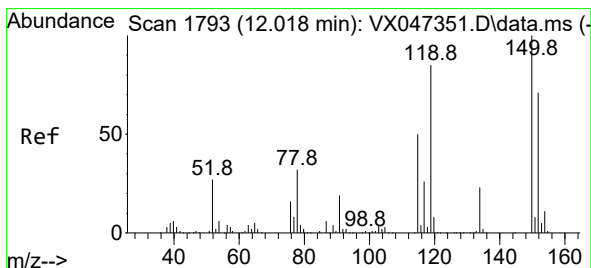
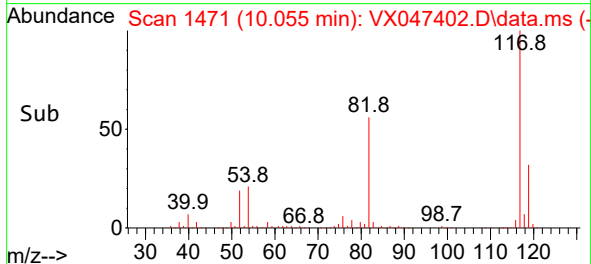
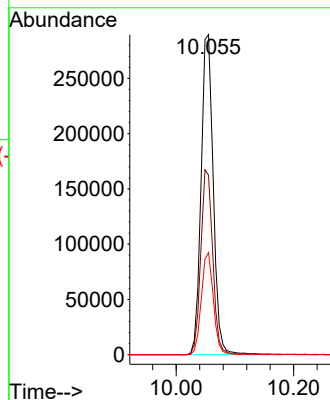
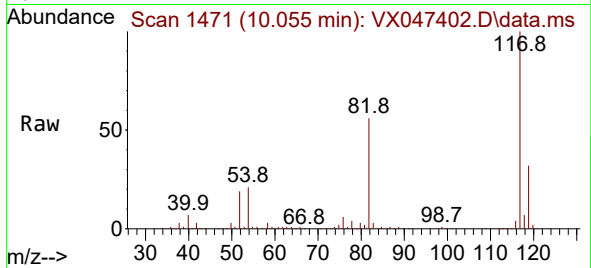




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

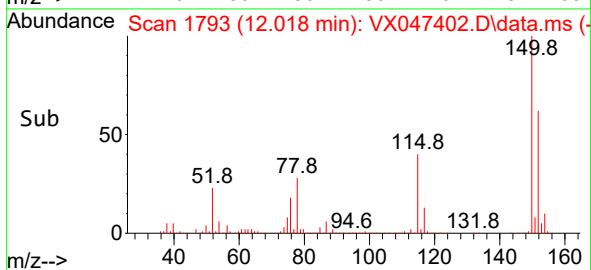
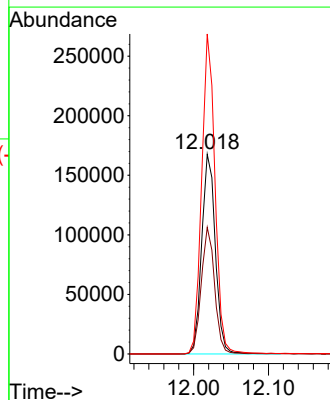
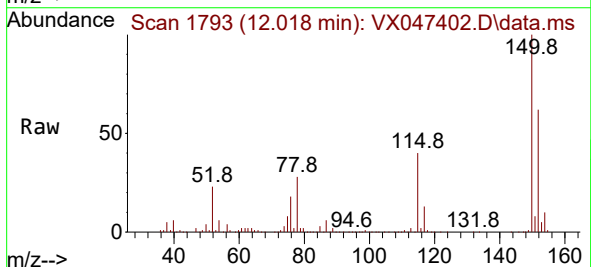
Instrument :
MSVOA_X
ClientSampleId :
VX0819WBL01

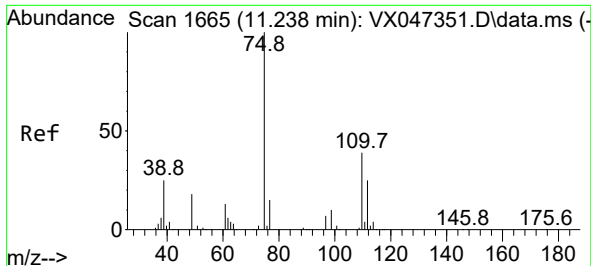
Tgt Ion:117 Resp: 416324
Ion Ratio Lower Upper
117 100
82 56.1 45.0 67.4
119 31.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

Tgt Ion:152 Resp: 212865
Ion Ratio Lower Upper
152 100
115 61.9 44.6 133.8
150 156.7 0.0 349.8

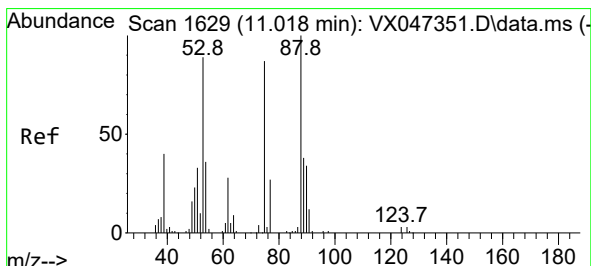
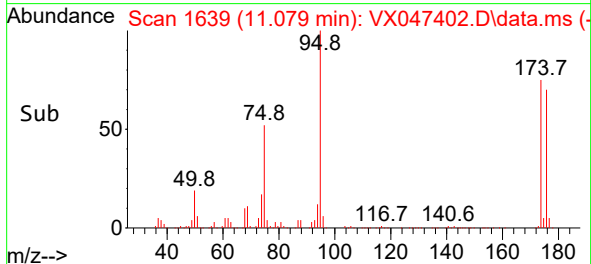
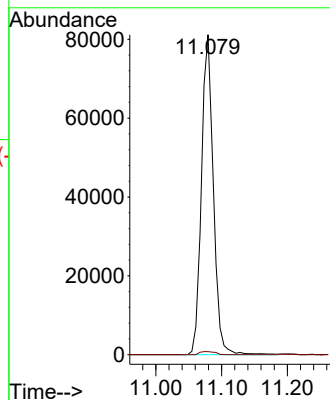
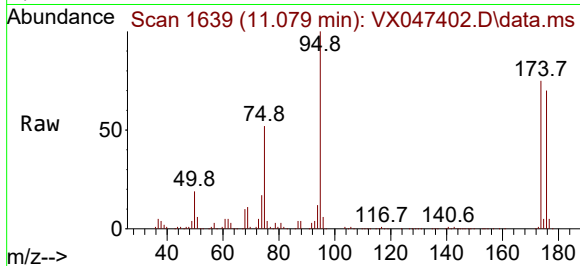




#76
1,2,3-Trichloropropane
Concen: 26.114 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

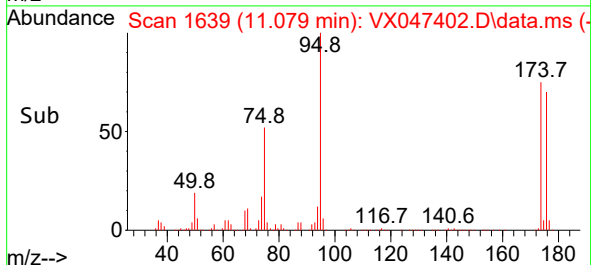
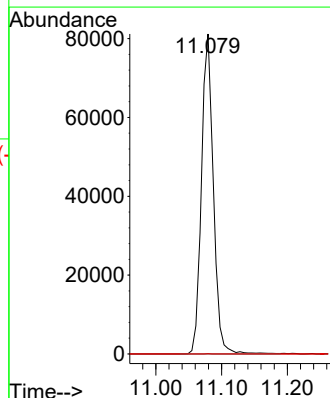
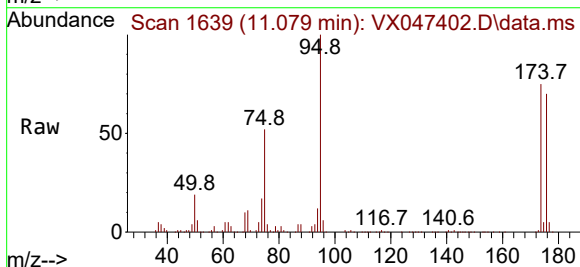
Instrument :
MSVOA_X
ClientSampleId :
VX0819WBL01

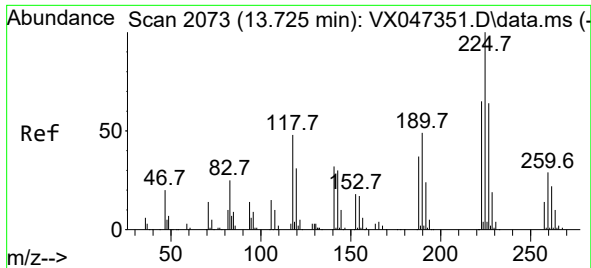
Tgt Ion: 75 Resp: 101953
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.522 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

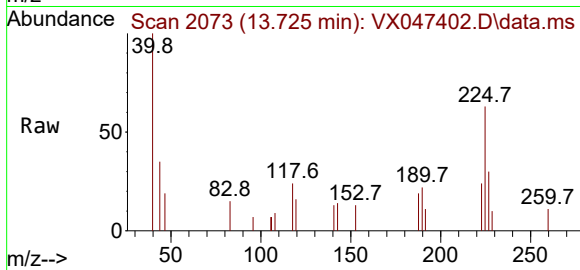
Tgt Ion: 75 Resp: 101953
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#





#94
 Hexachlorobutadiene
 Concen: 0.361 ug/l
 RT: 13.725 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX047402.D
 Acq: 19 Aug 2025 10:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBL01



Tgt Ion:	225	Resp:	635
Ion	Ratio	Lower	Upper
225	100		
223	63.1	32.2	96.6
227	70.9	31.6	95.0

