

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047434.D
 Acq On : 20 Aug 2025 12:11
 Operator : JC/MD
 Sample : Q2815-26RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB

Quant Time: Aug 21 01:29:35 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)

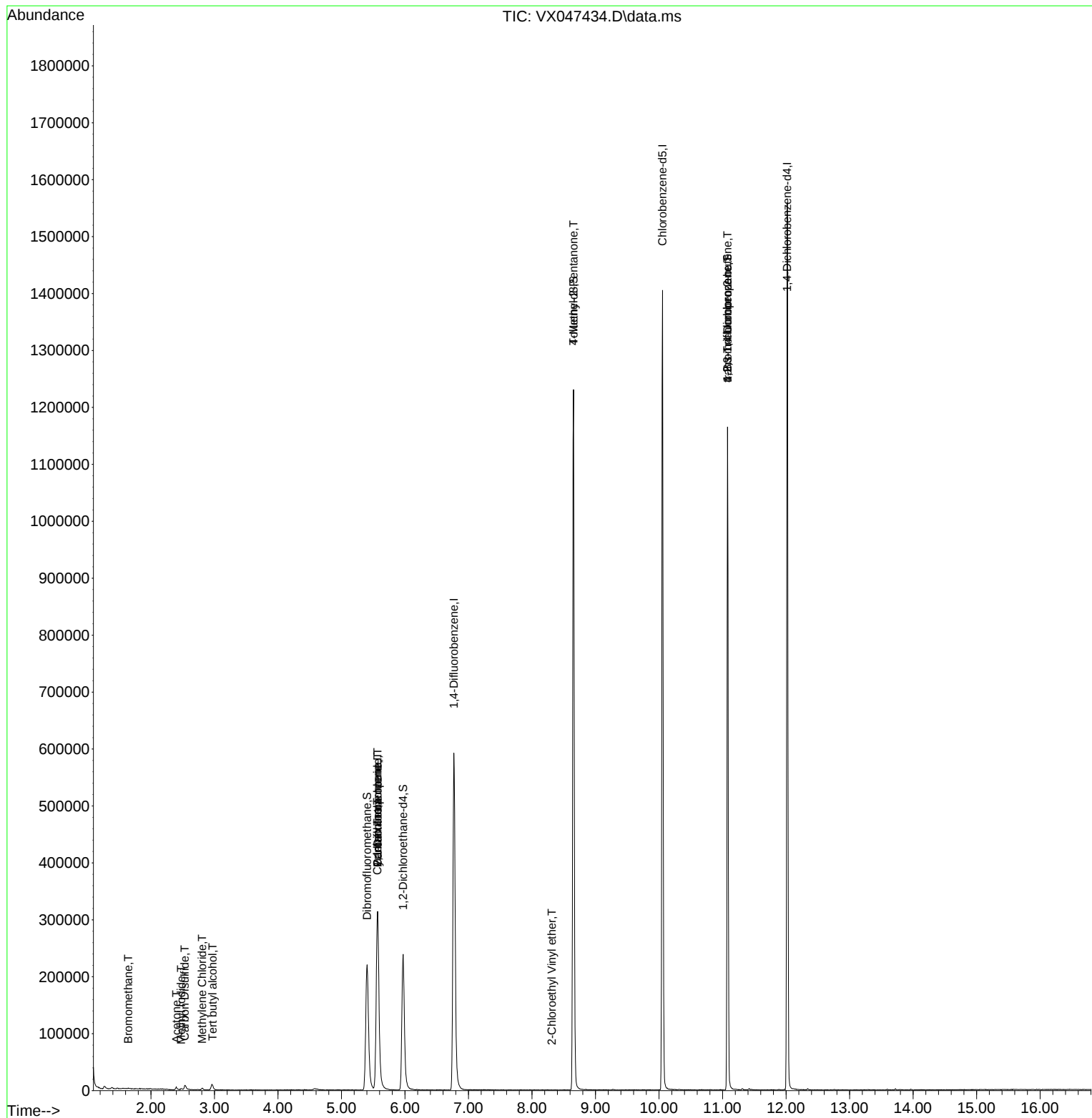
Internal Standards						
1) Pentafluorobenzene	5.568	168	317644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	633243	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	619750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	313519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	249104	56.035	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 112.060%	
35) Dibromofluoromethane	5.403	113	208667	50.773	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.540%	
50) Toluene-d8	8.653	98	748732	50.970	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.940%	
62) 4-Bromofluorobenzene	11.079	95	305594	56.375	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.760%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	420	0.227	ug/l	95
10) Methyl Iodide	2.477	142	3163	0.470	ug/l #	96
11) Tert butyl alcohol	2.971	59	5337	13.800	ug/l #	75
16) Acetone	2.398	43	5941	3.555	ug/l	93
17) Carbon Disulfide	2.532	76	6921	0.573	ug/l #	92
20) Methylene Chloride	2.806	84	1139	0.257	ug/l #	83
31) Cyclohexane	5.562	56	6747	0.943	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	25916	3.995	ug/l #	51
38) Carbon Tetrachloride	5.568	117	33800	4.768	ug/l #	15
51) 4-Methyl-2-Pentanone	8.653	43	3433	0.617	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.312	63	19	8.361	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	158152	27.503	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	158152	108.611	ug/l #	7

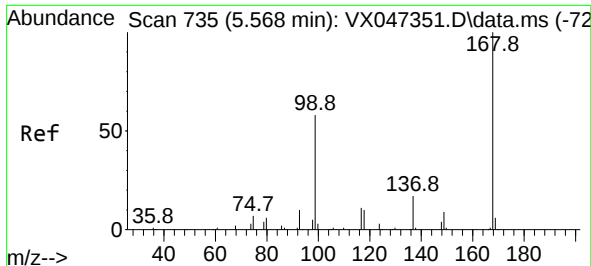
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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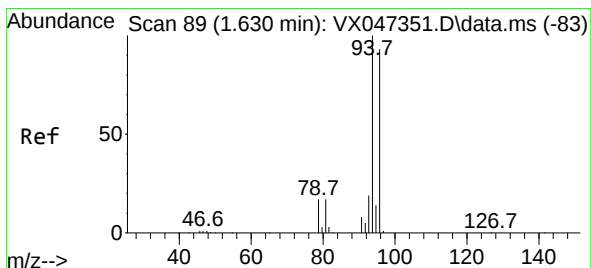
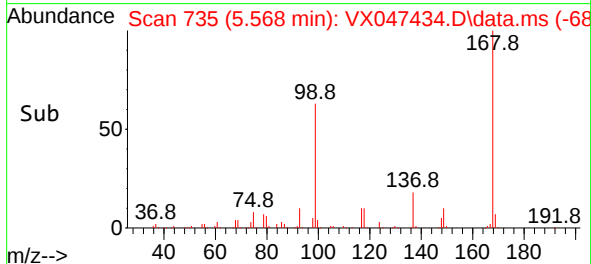
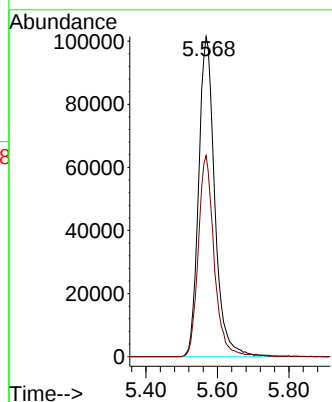
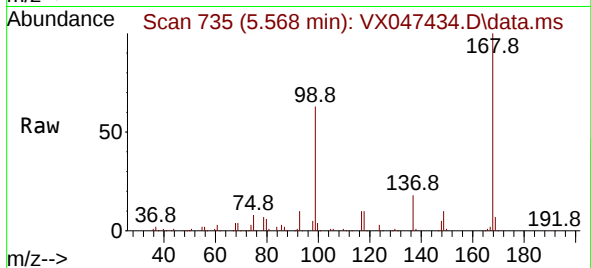




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

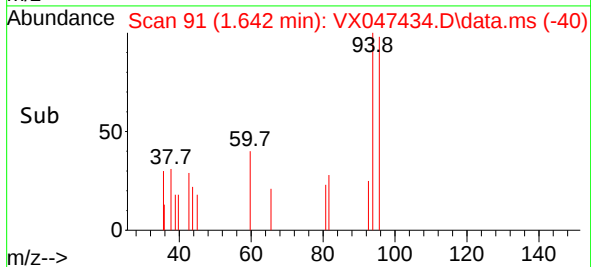
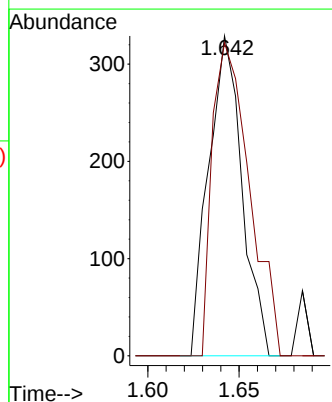
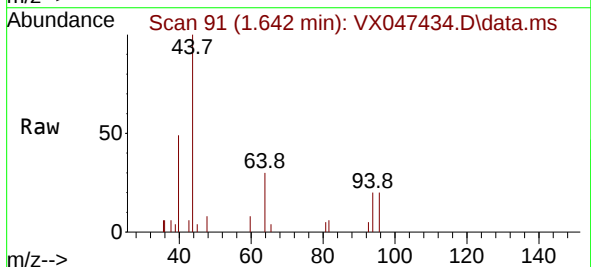
Instrument :
MSVOA_X
ClientSampleId :
FB

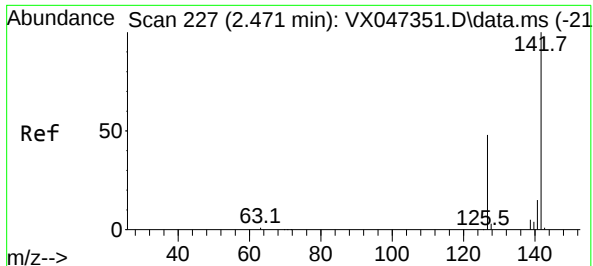
Tgt Ion:168 Resp: 317644
Ion Ratio Lower Upper
168 100
99 62.8 47.9 71.9



#5
Bromomethane
Concen: 0.227 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

Tgt Ion: 94 Resp: 420
Ion Ratio Lower Upper
94 100
96 97.9 74.7 112.1

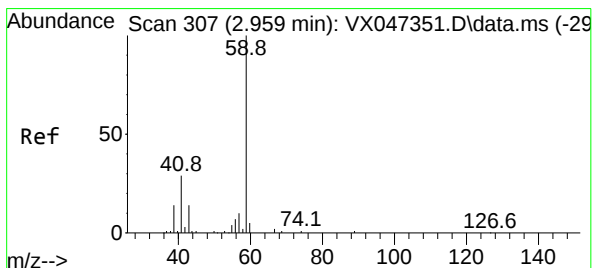
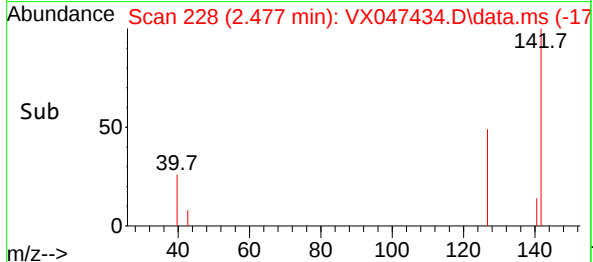
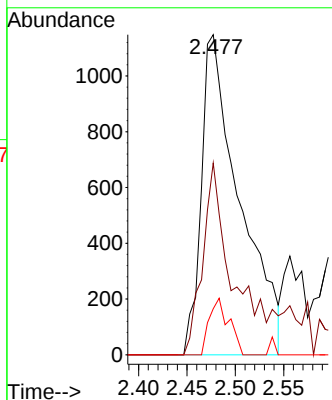
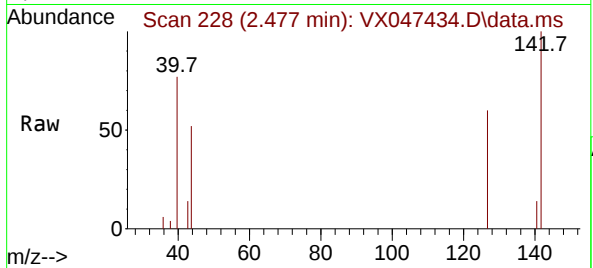




#10
Methyl Iodide
Concen: 0.470 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

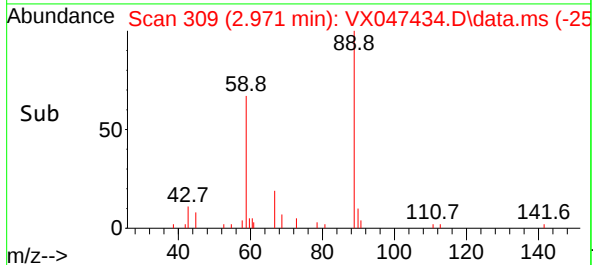
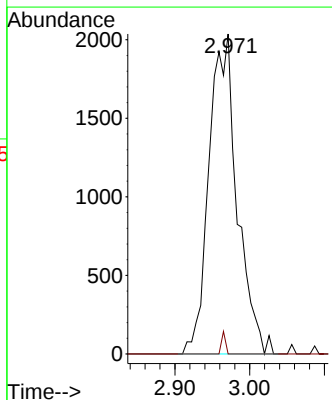
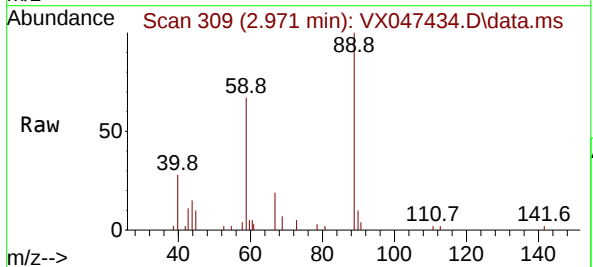
Instrument :
MSVOA_X
ClientSampleId :
FB

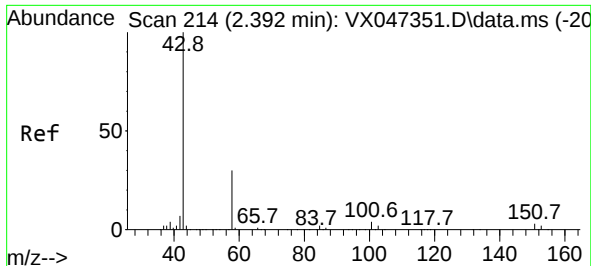
Tgt Ion:142 Resp: 3163
Ion Ratio Lower Upper
142 100
127 46.3 36.1 54.1
141 9.1 11.1 16.7#



#11
Tert butyl alcohol
Concen: 13.800 ug/l
RT: 2.971 min Scan# 309
Delta R.T. 0.012 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

Tgt Ion: 59 Resp: 5337
Ion Ratio Lower Upper
59 100
57 1.0 8.3 12.5#

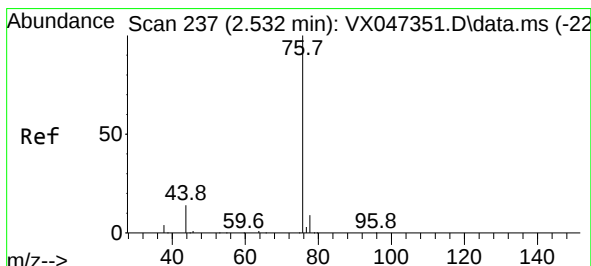
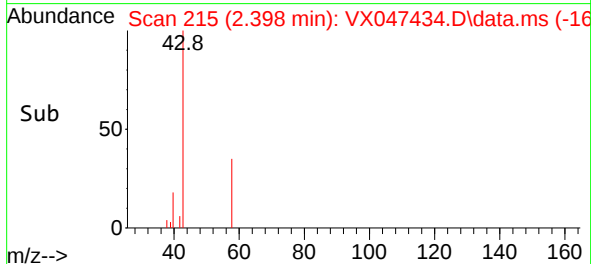
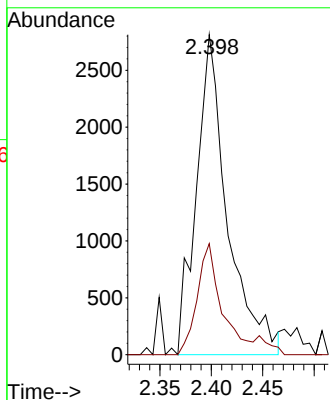
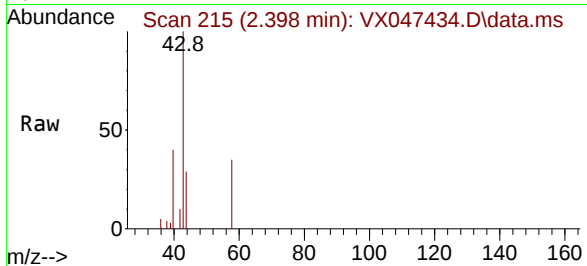




#16
Acetone
Concen: 3.555 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

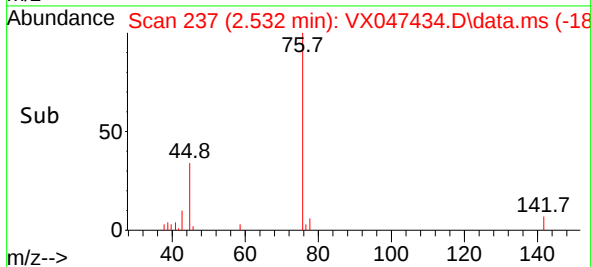
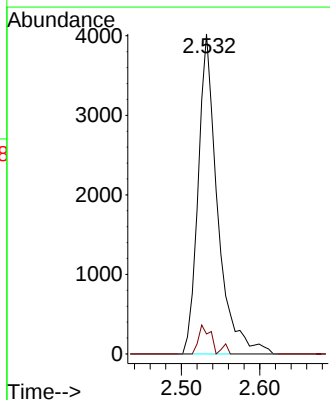
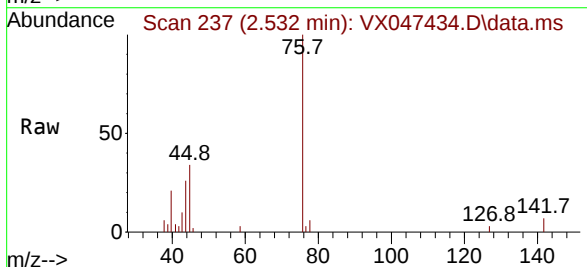
Instrument :
MSVOA_X
ClientSampleId :
FB

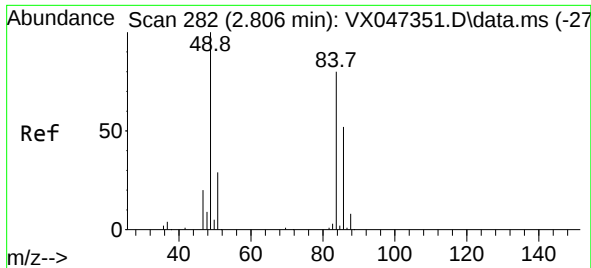
Tgt Ion: 43 Resp: 5941
Ion Ratio Lower Upper
43 100
58 27.0 24.8 37.2



#17
Carbon Disulfide
Concen: 0.573 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

Tgt Ion: 76 Resp: 6921
Ion Ratio Lower Upper
76 100
78 6.1 7.2 10.8#

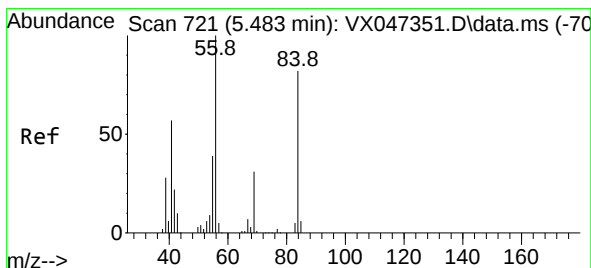
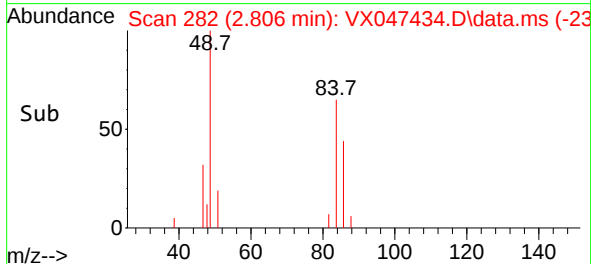
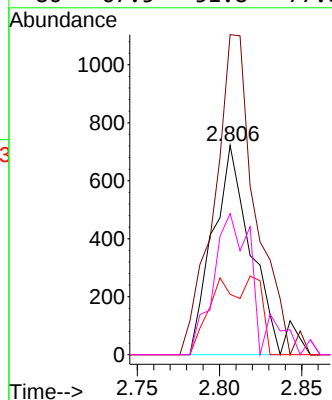
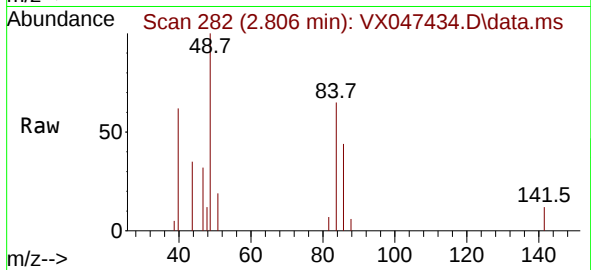




#20
Methylene Chloride
Concen: 0.257 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

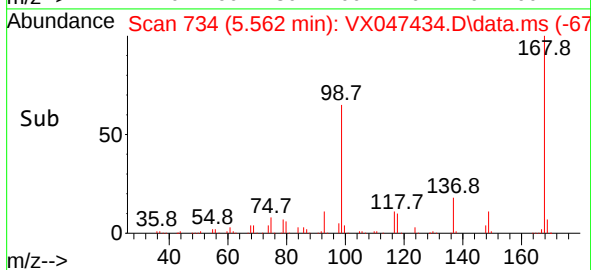
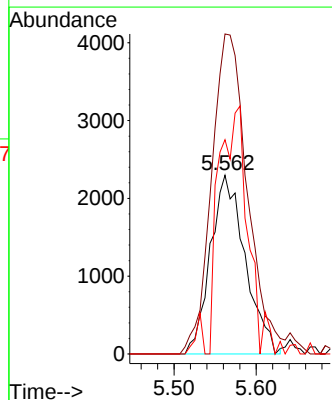
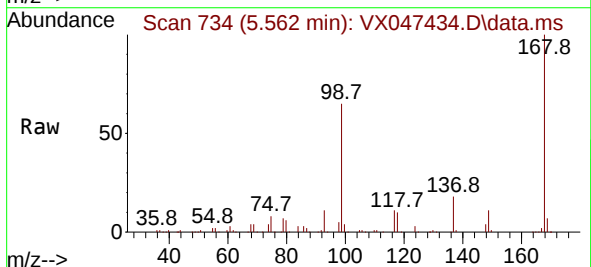
Instrument :
MSVOA_X
ClientSampleId :
FB

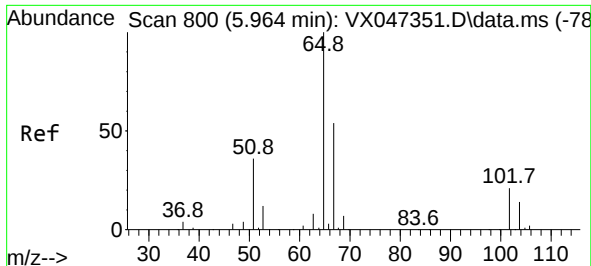
Tgt Ion:	84	Resp:	1139
Ion	Ratio	Lower	Upper
84	100		
49	152.9	100.1	150.1#
51	28.8	29.5	44.3#
86	67.5	51.8	77.8



#31
Cyclohexane
Concen: 0.943 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

Tgt Ion:	56	Resp:	6747
Ion	Ratio	Lower	Upper
56	100		
69	179.0	24.3	36.5#
84	119.8	65.3	97.9#

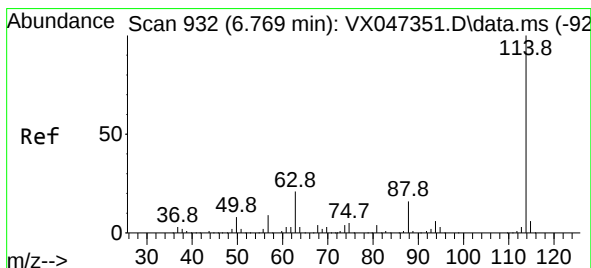
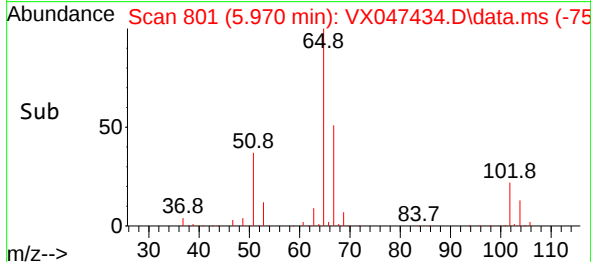
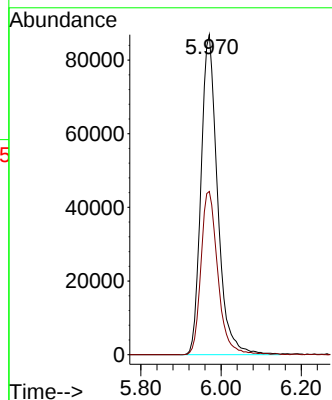
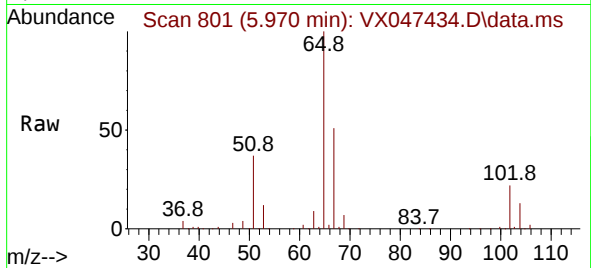




#33
 1,2-Dichloroethane-d4
 Concen: 56.035 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.006 min
 Lab File: VX047434.D
 Acq: 20 Aug 2025 12:11

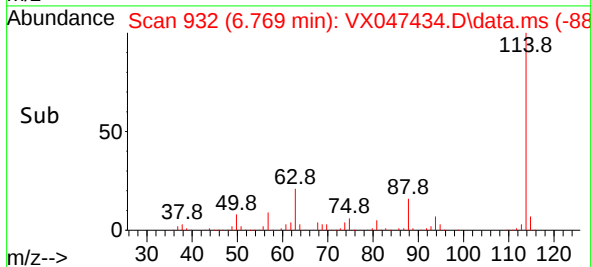
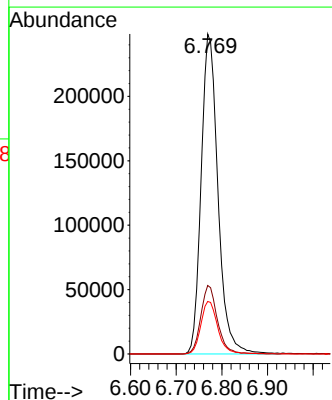
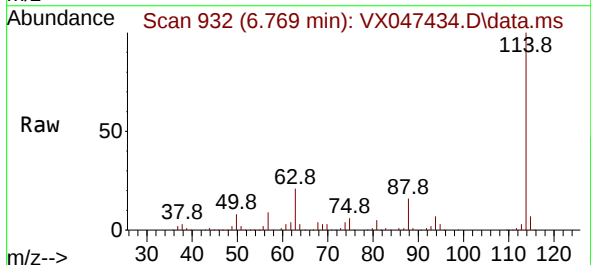
Instrument :
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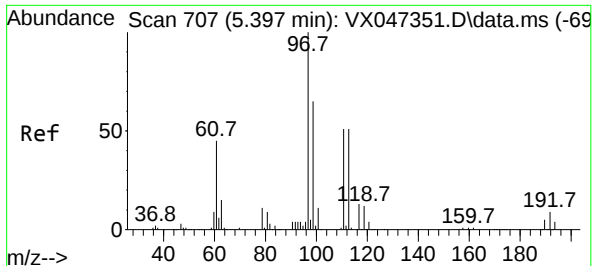
Tgt Ion: 65 Resp: 249104
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047434.D
 Acq: 20 Aug 2025 12:11

Tgt Ion: 114 Resp: 633243
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 42.4
 88 16.4 0.0 33.0

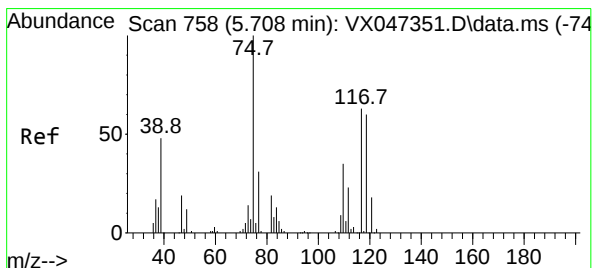
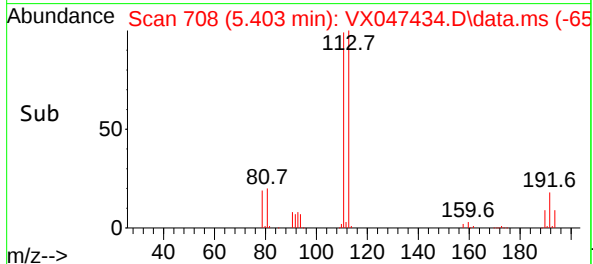
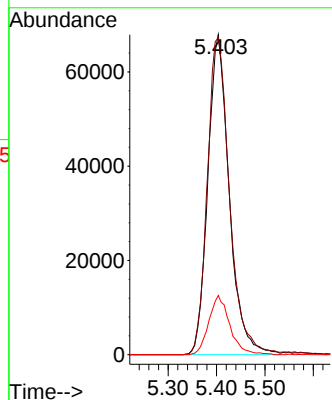
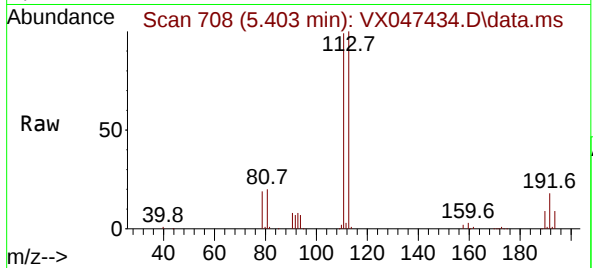




#35
Dibromofluoromethane
Concen: 50.773 ug/l
RT: 5.403 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

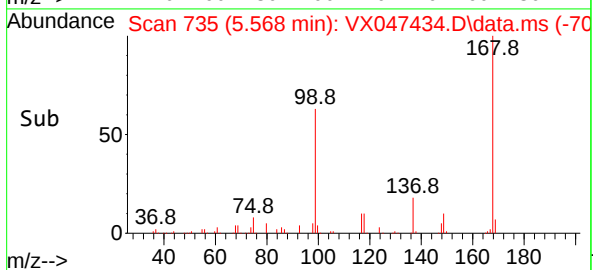
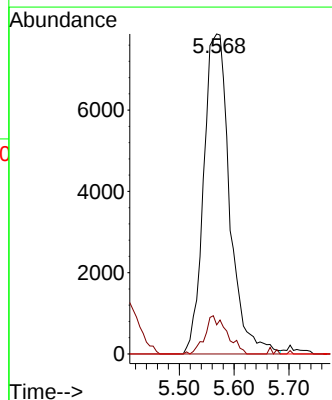
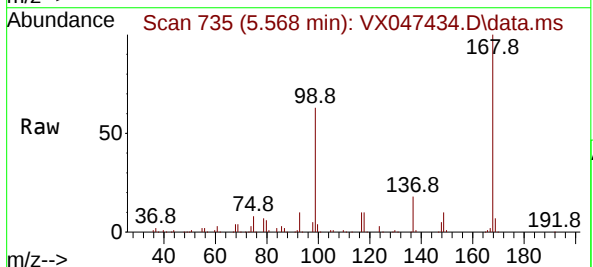
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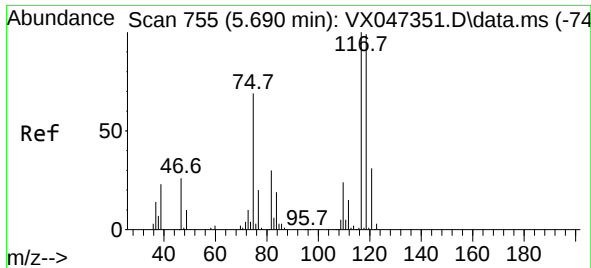
Tgt Ion:113 Resp: 208667
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.2
192 18.2 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.995 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.140 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

Tgt Ion: 75 Resp: 25916
Ion Ratio Lower Upper
75 100
110 10.2 17.4 52.2#
77 0.0 24.4 36.6#

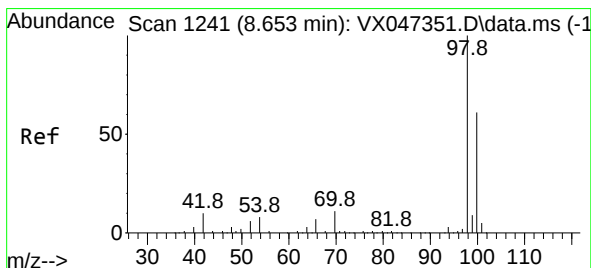
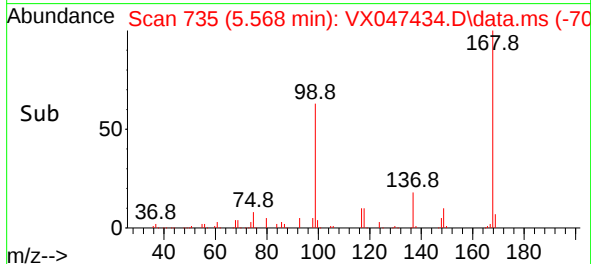
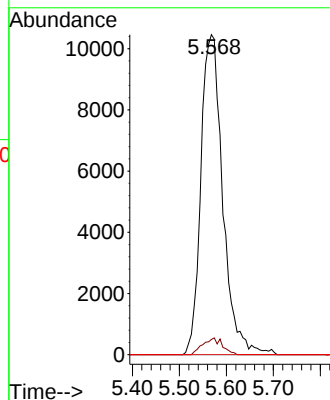
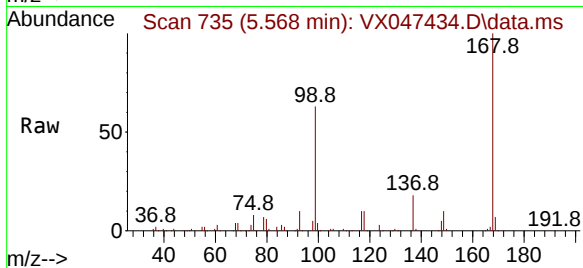




#38
Carbon Tetrachloride
Concen: 4.768 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

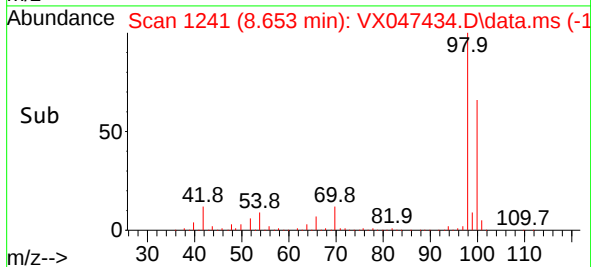
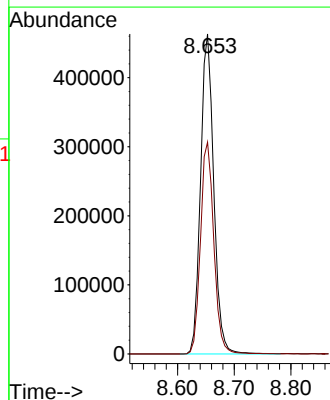
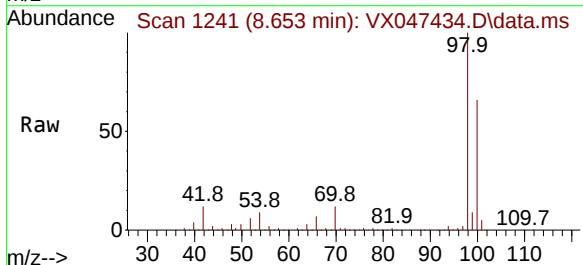
Instrument :
MSVOA_X
ClientSampleId :
FB

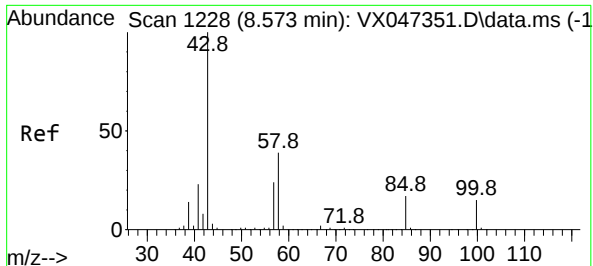
Tgt Ion:117 Resp: 33800
Ion Ratio Lower Upper
117 100
119 4.7 78.5 117.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 50.970 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

Tgt Ion: 98 Resp: 748732
Ion Ratio Lower Upper
98 100
100 66.9 53.9 80.9

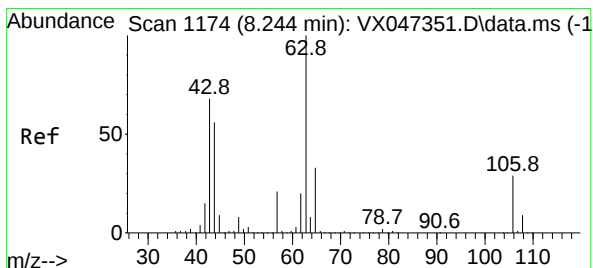
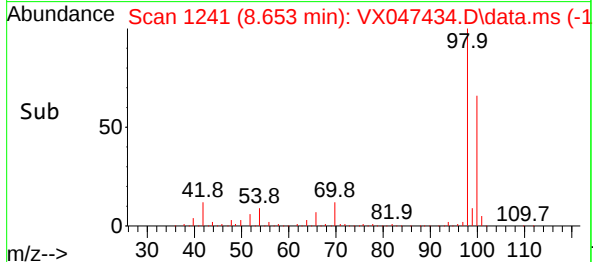
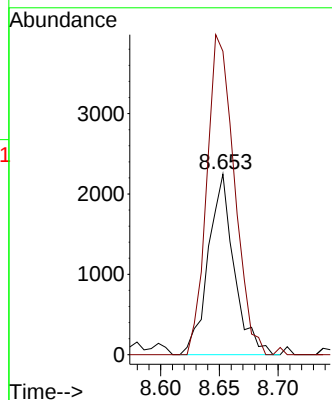
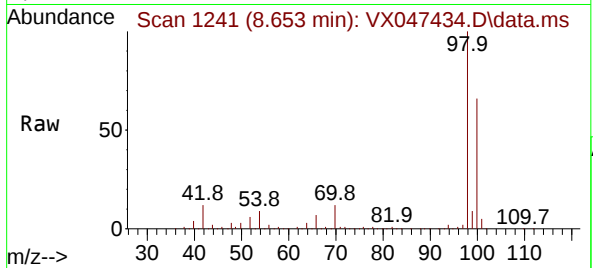




#51
4-Methyl-2-Pentanone
Concen: 0.617 ug/l
RT: 8.653 min Scan# 1185
Delta R.T. 0.079 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

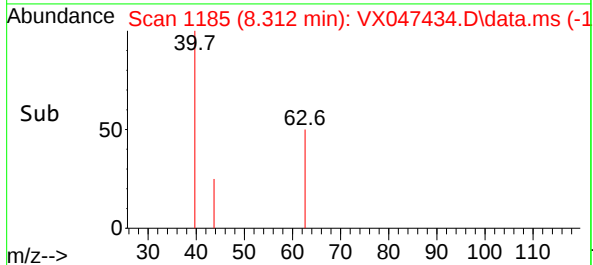
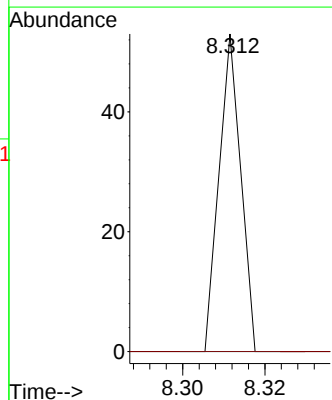
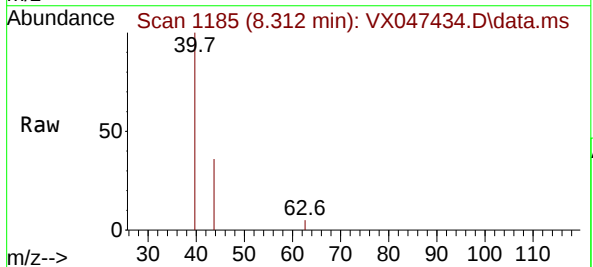
Instrument :
MSVOA_X
ClientSampleId :
FB

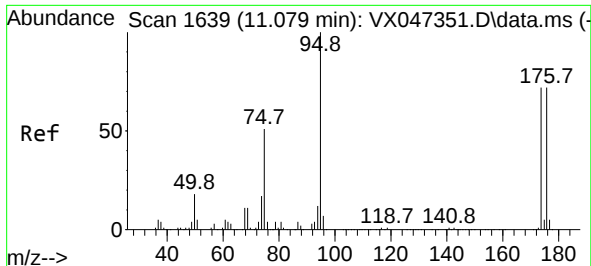
Tgt Ion: 43 Resp: 3433
Ion Ratio Lower Upper
43 100
58 189.0 31.2 46.8#



#58
2-Chloroethyl Vinyl ether
Concen: 8.361 ug/l
RT: 8.312 min Scan# 1185
Delta R.T. 0.067 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#

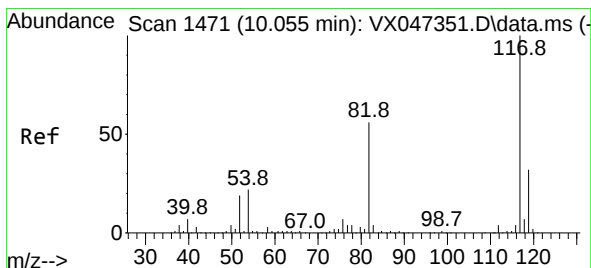
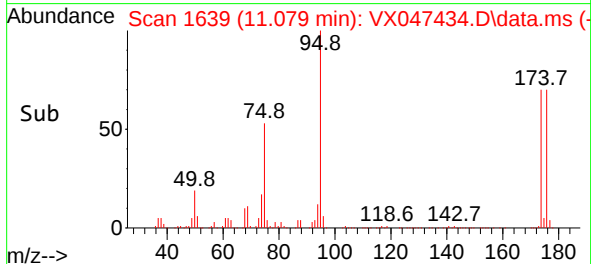
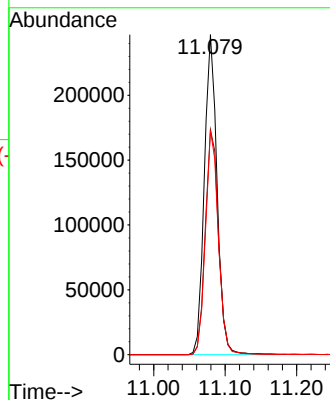
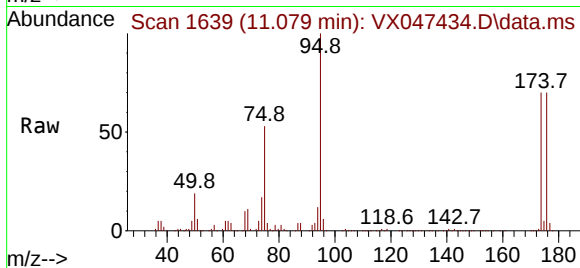




#62
4-Bromofluorobenzene
Concen: 56.375 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

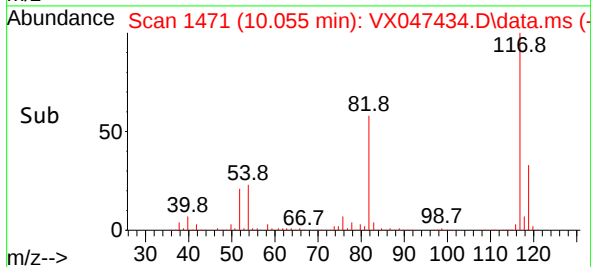
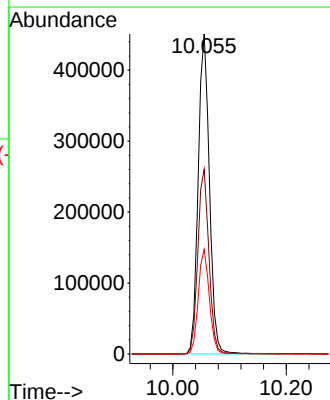
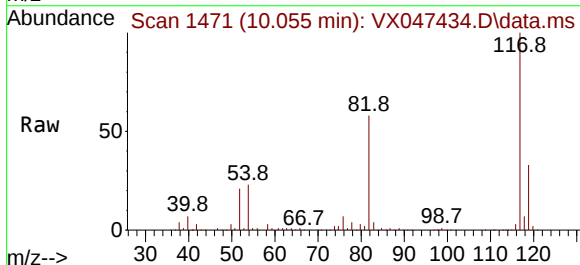
Instrument :
MSVOA_X
ClientSampleId :
FB

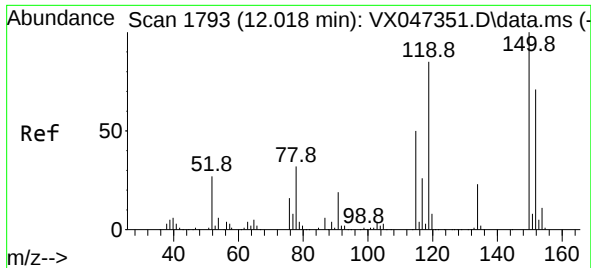
Tgt Ion: 95 Resp: 305594
Ion Ratio Lower Upper
95 100
174 73.4 0.0 148.0
176 71.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

Tgt Ion: 117 Resp: 619750
Ion Ratio Lower Upper
117 100
82 57.8 45.0 67.4
119 32.6 25.8 38.8

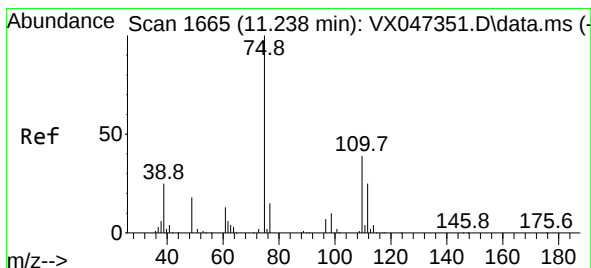
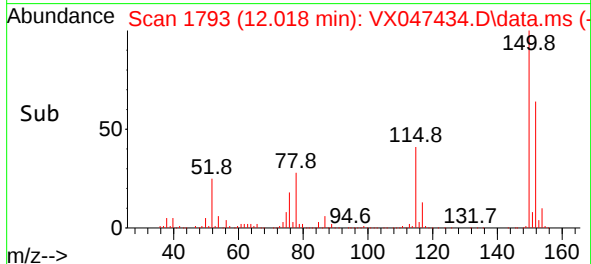
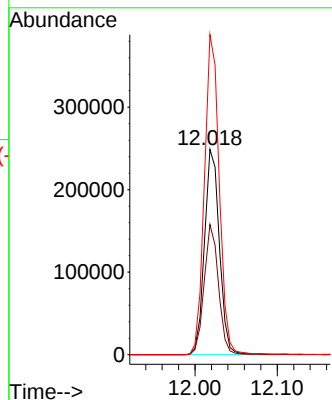
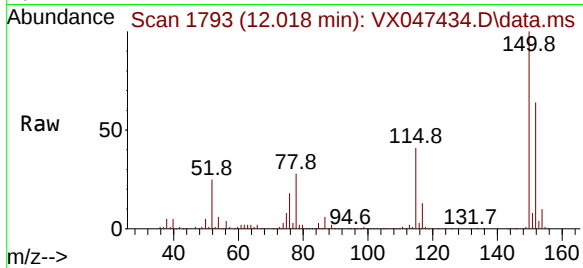




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

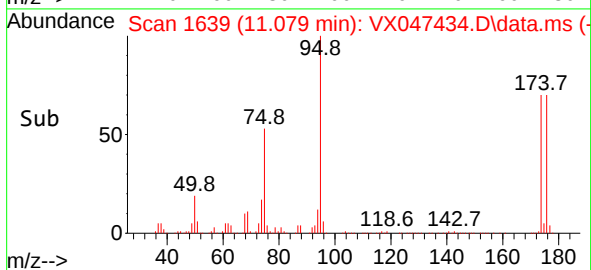
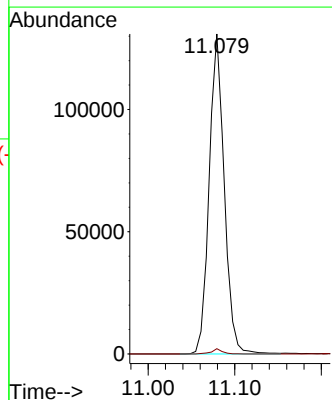
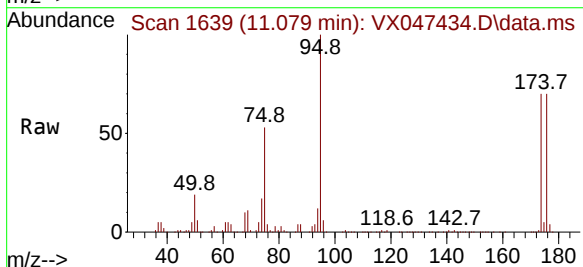
Instrument :
MSVOA_X
ClientSampleId :
FB

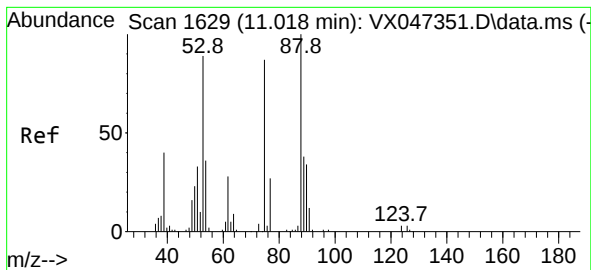
Tgt Ion:152 Resp: 313519
Ion Ratio Lower Upper
152 100
115 61.1 44.6 133.8
150 155.2 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 27.503 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

Tgt Ion: 75 Resp: 158152
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.611 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047434.D
 Acq: 20 Aug 2025 12:11

Instrument :
 MSVOA_X
 ClientSampleId :
 FB

Tgt Ion: 75 Resp: 158152
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.2 127.8#
 89 0.0 36.7 55.1#

