

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047367.D
 Acq On : 15 Aug 2025 16:58
 Operator : JC/MD
 Sample : Q2886-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 18 04:36:18 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)

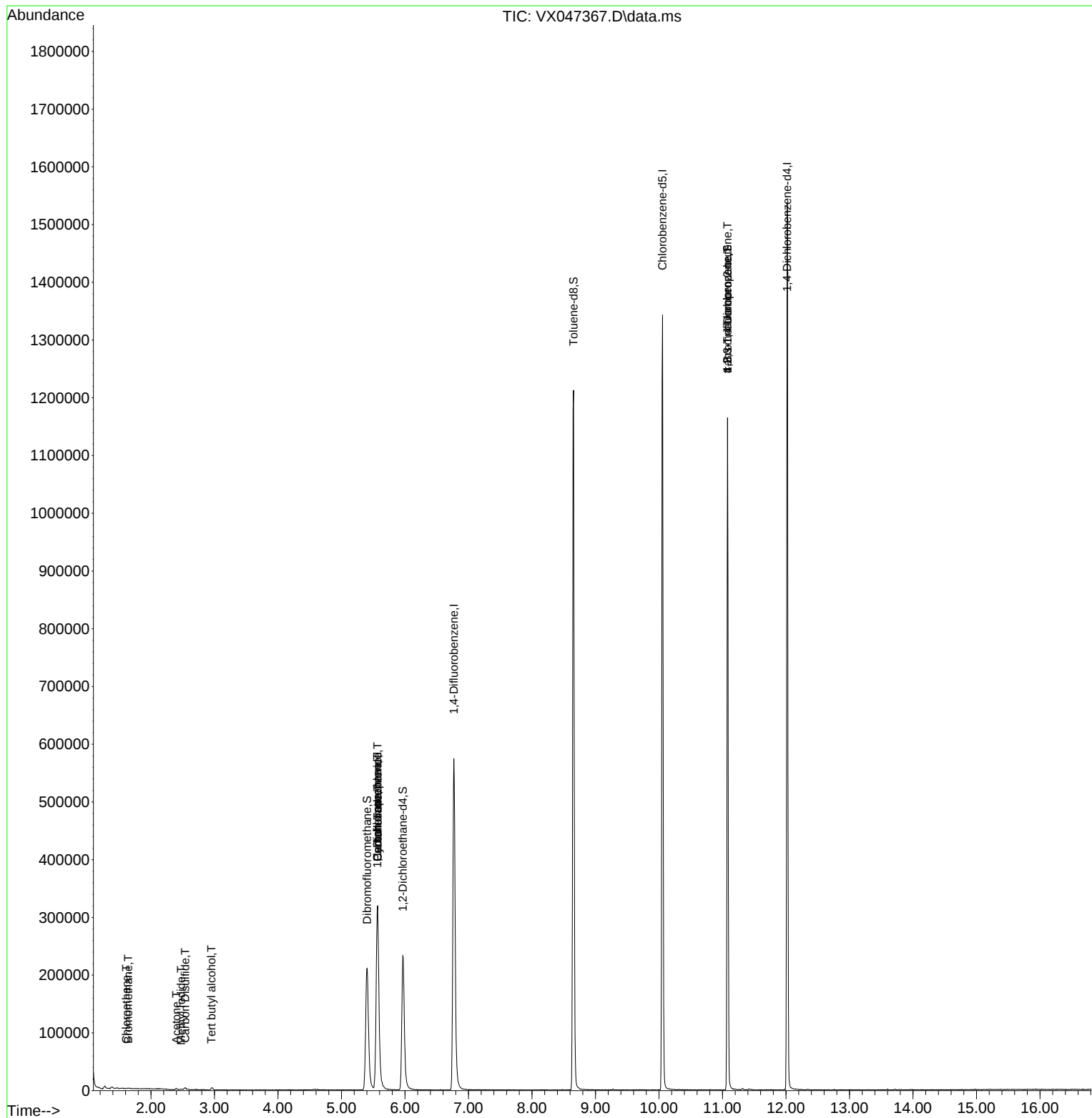
Internal Standards						
1) Pentafluorobenzene	5.568	168	317862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	617831	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	606003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	303172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	243070	54.640	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 109.280%		
35) Dibromofluoromethane	5.404	113	205401	51.225	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.460%		
50) Toluene-d8	8.653	98	742666	51.819	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 103.640%		
62) 4-Bromofluorobenzene	11.079	95	303397	57.366	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 114.740%		
Target Compounds						
						Qvalue
5) Bromomethane	1.642	94	466	0.252	ug/l #	45
6) Chloroethane	1.612	64	731	0.261	ug/l #	44
10) Methyl Iodide	2.477	142	1580	0.235	ug/l #	66
11) Tert butyl alcohol	2.953	59	332	0.858	ug/l #	72
16) Acetone	2.398	43	3338	1.996	ug/l	99
17) Carbon Disulfide	2.538	76	2745	0.227	ug/l	96
31) Cyclohexane	5.568	56	6998	0.977	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	26928	4.254	ug/l #	51
38) Carbon Tetrachloride	5.568	117	33959	4.909	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	156143	28.081	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	156143	110.726	ug/l #	7

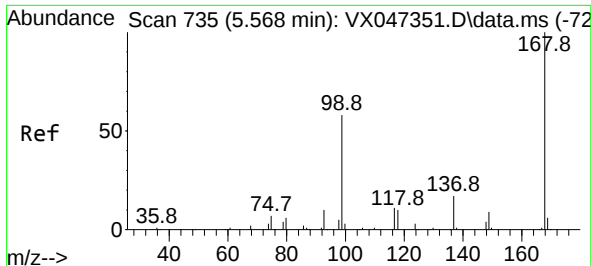
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 18 04:36:18 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: VX047367.D

Acq: 15 Aug 2025 16:58

Instrument :

MSVOA_X

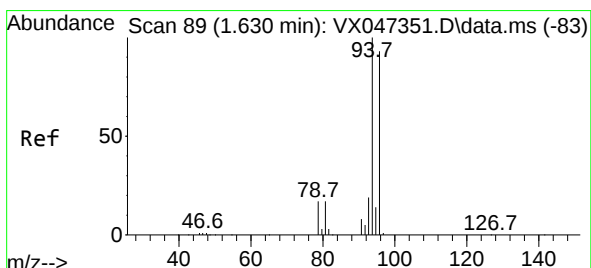
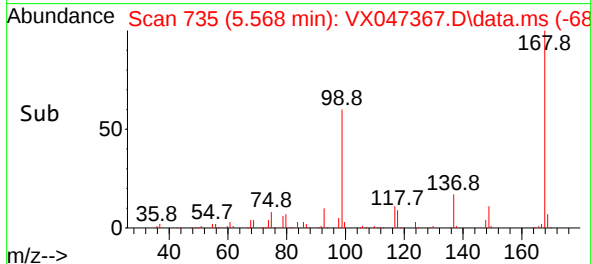
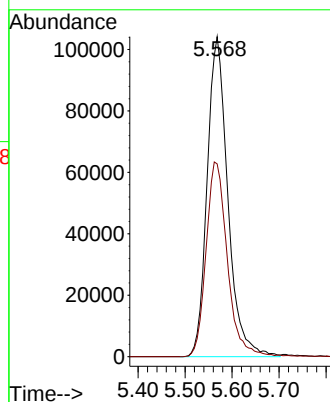
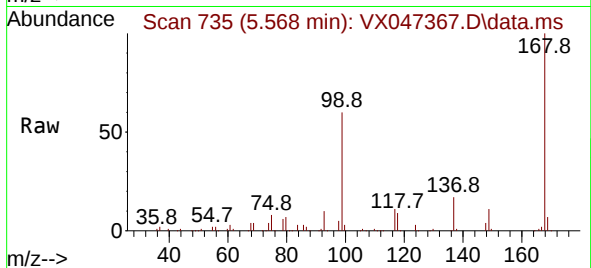
ClientSampleId :

Tgt Ion:168 Resp: 317862

Ion Ratio Lower Upper

168 100

99 60.2 47.9 71.9



#5

Bromomethane

Concen: 0.252 ug/l

RT: 1.642 min Scan# 91

Delta R.T. 0.012 min

Lab File: VX047367.D

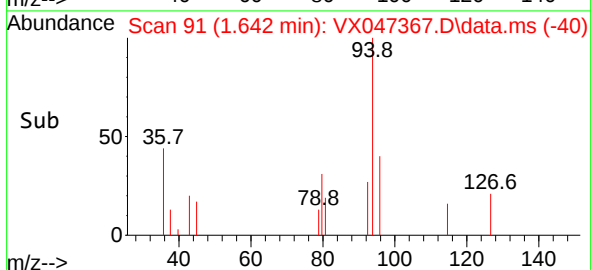
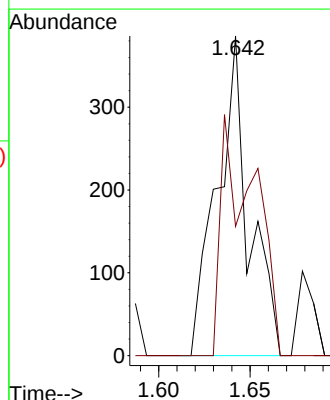
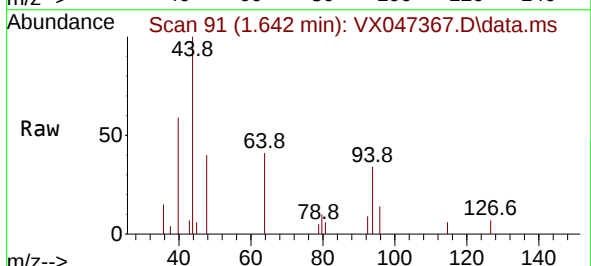
Acq: 15 Aug 2025 16:58

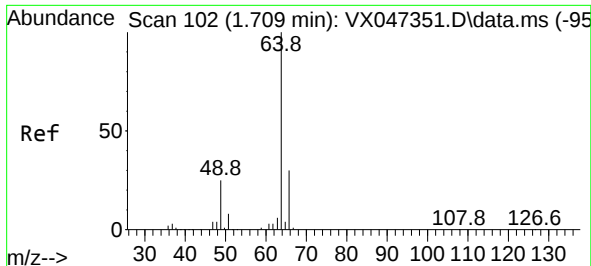
Tgt Ion: 94 Resp: 466

Ion Ratio Lower Upper

94 100

96 40.4 74.7 112.1#

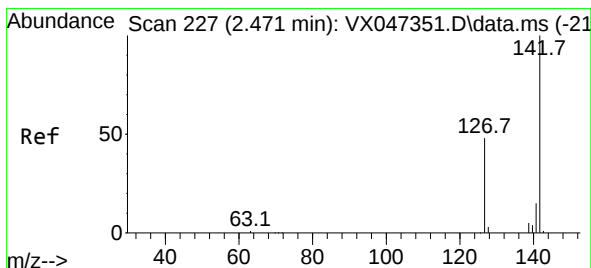
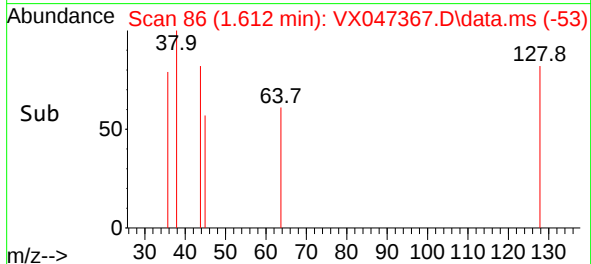
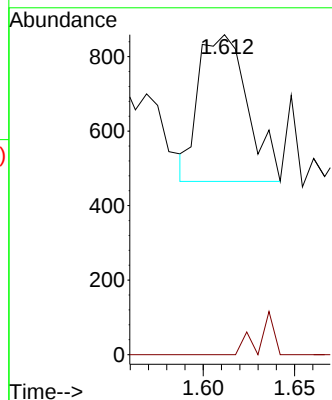
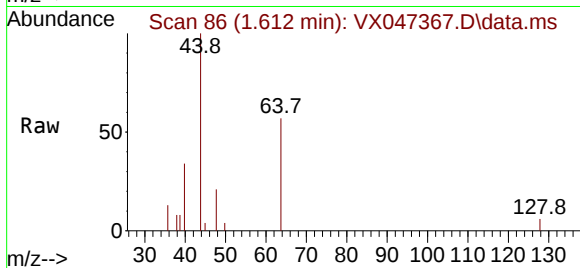




#6
Chloroethane
Concen: 0.261 ug/l
RT: 1.612 min Scan# 80
Delta R.T. -0.097 min
Lab File: VX047367.D
Acq: 15 Aug 2025 16:58

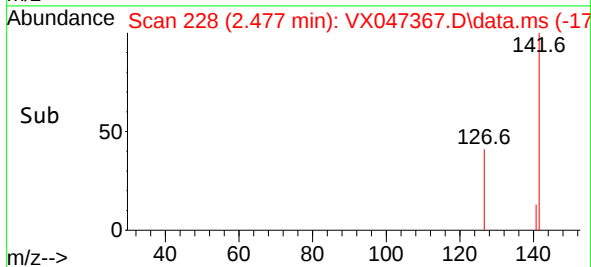
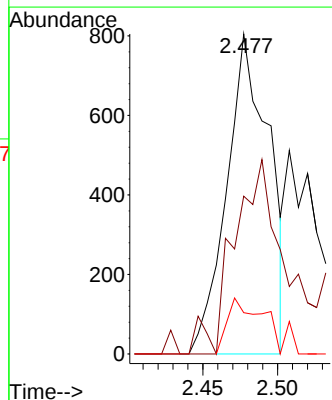
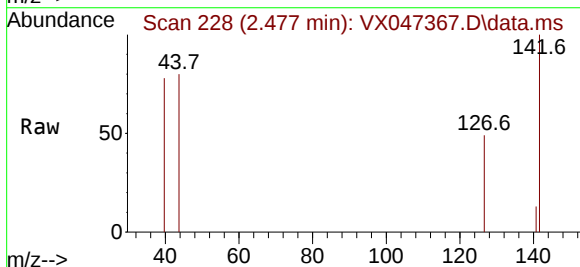
Instrument :
MSVOA_X
ClientSampleId :

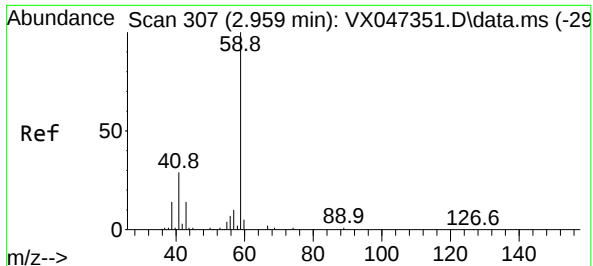
Tgt Ion: 64 Resp: 731
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#10
Methyl Iodide
Concen: 0.235 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047367.D
Acq: 15 Aug 2025 16:58

Tgt Ion:142 Resp: 1580
Ion Ratio Lower Upper
142 100
127 73.2 36.1 54.1#
141 16.3 11.1 16.7





#11

Tert butyl alcohol

Concen: 0.858 ug/l

RT: 2.953 min Scan# 307

Delta R.T. -0.006 min

Lab File: VX047367.D

Acq: 15 Aug 2025 16:58

Instrument :

MSVOA_X

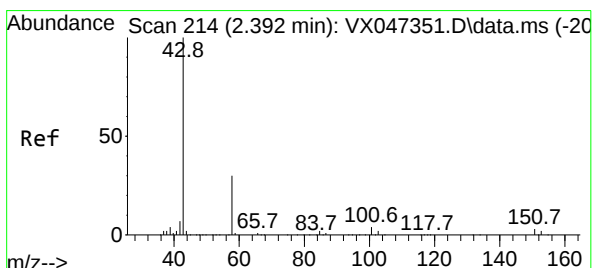
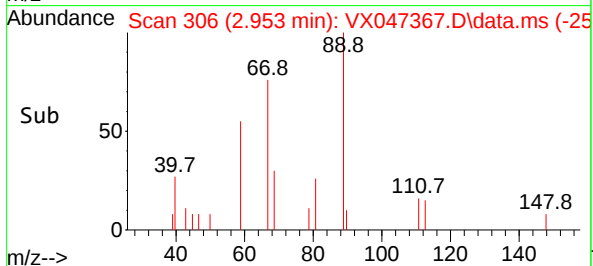
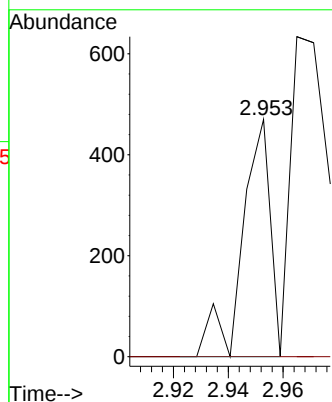
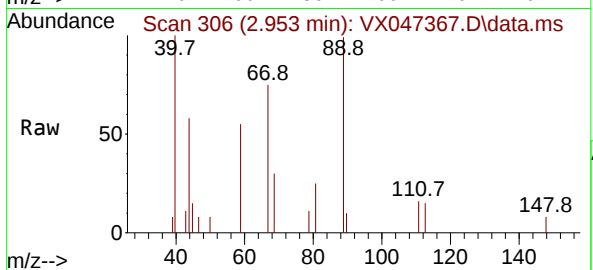
ClientSampleId :

Tgt Ion: 59 Resp: 332

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 1.996 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.006 min

Lab File: VX047367.D

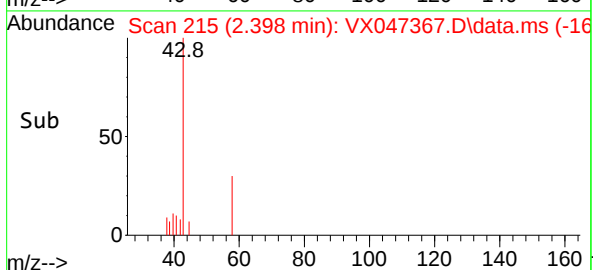
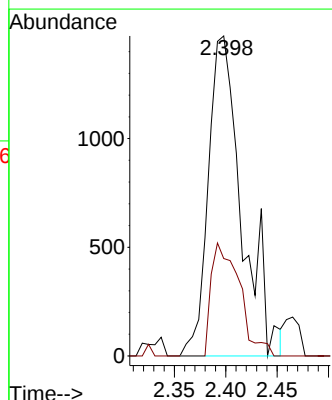
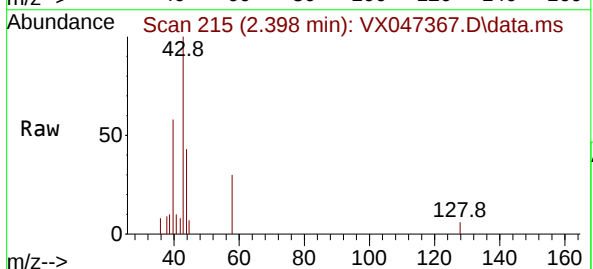
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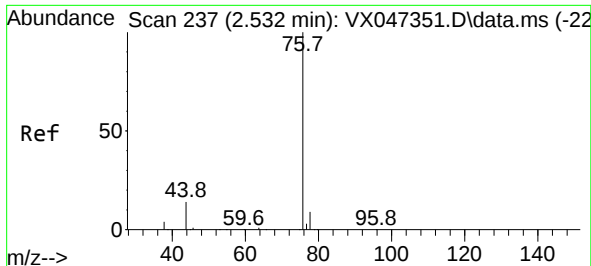
Tgt Ion: 43 Resp: 3338

Ion Ratio Lower Upper

43 100

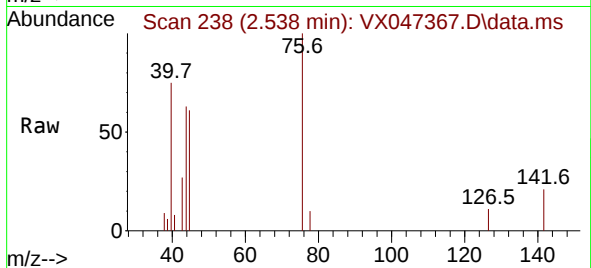
58 30.4 24.8 37.2



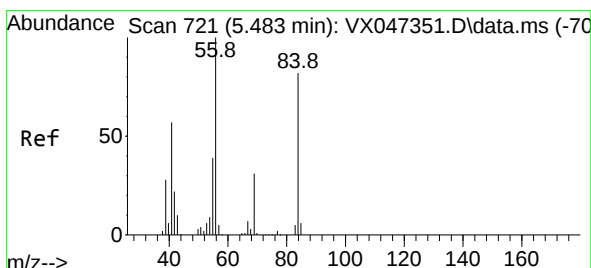
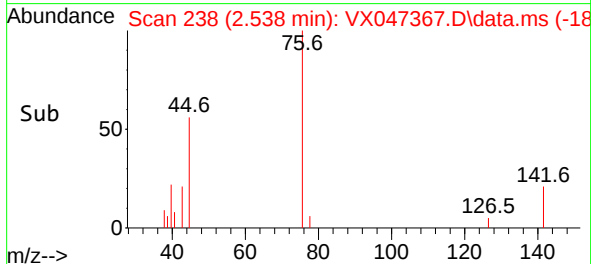
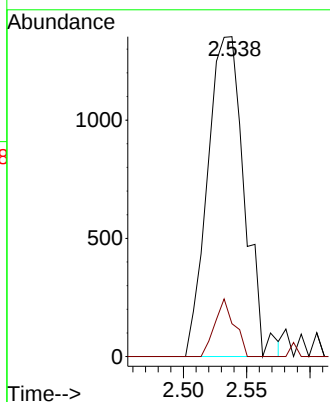


#17
Carbon Disulfide
Concen: 0.227 ug/l
RT: 2.538 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047367.D
Acq: 15 Aug 2025 16:58

Instrument :
MSVOA_X
ClientSampleId :

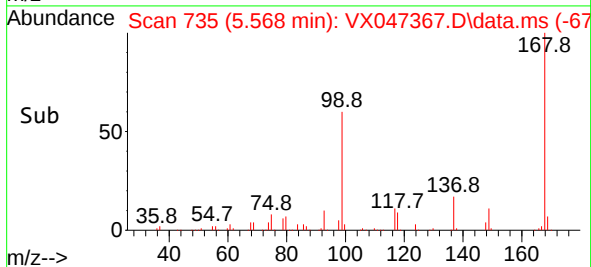
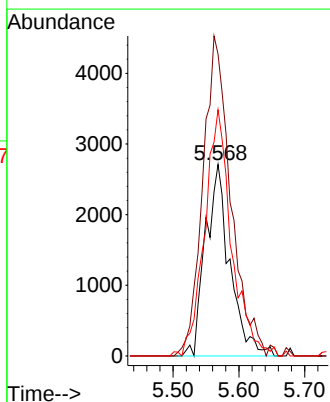
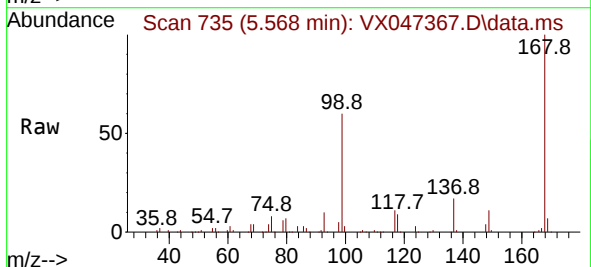


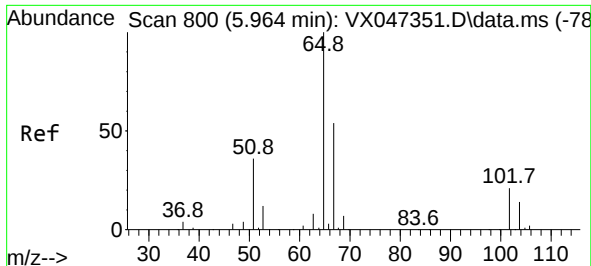
Tgt Ion: 76 Resp: 2745
Ion Ratio Lower Upper
76 100
78 10.3 7.2 10.8



#31
Cyclohexane
Concen: 0.977 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.086 min
Lab File: VX047367.D
Acq: 15 Aug 2025 16:58

Tgt Ion: 56 Resp: 6998
Ion Ratio Lower Upper
56 100
69 157.6 24.3 36.5#
84 128.6 65.3 97.9#

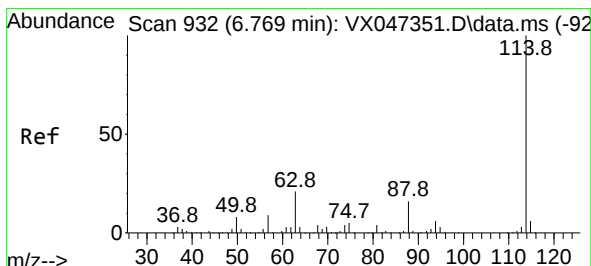
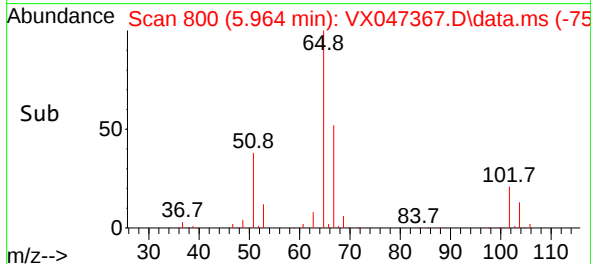
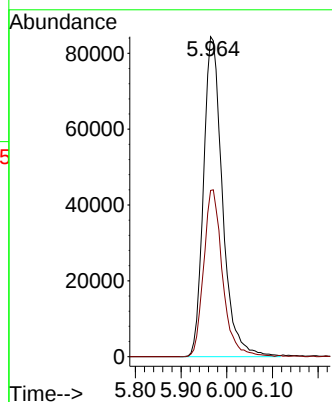
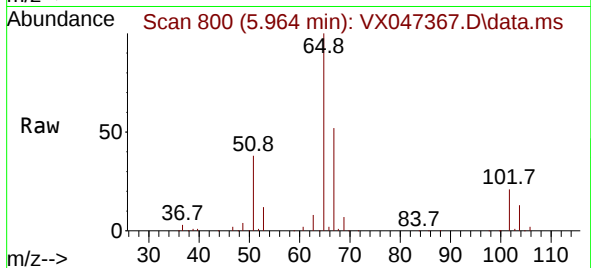




#33
 1,2-Dichloroethane-d4
 Concen: 54.640 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX047367.D
 Acq: 15 Aug 2025 16:58

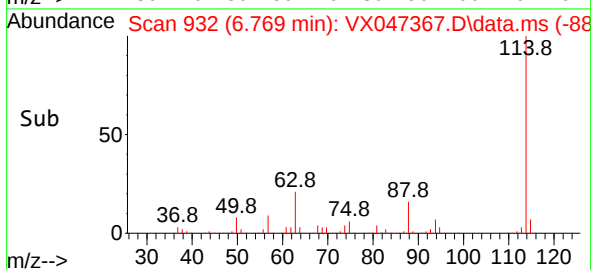
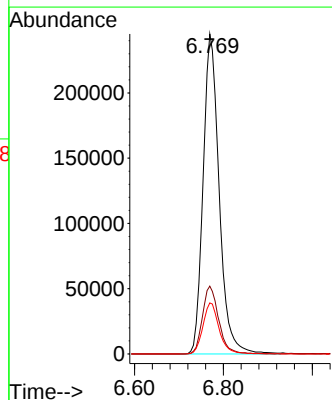
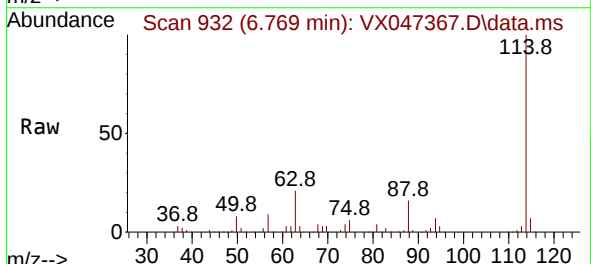
Instrument :
 MSVOA_X
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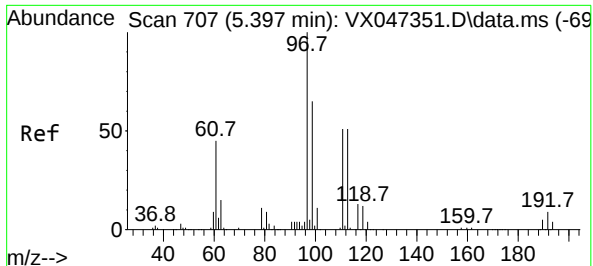
Tgt Ion: 65 Resp: 243070
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047367.D
 Acq: 15 Aug 2025 16:58

Tgt Ion: 114 Resp: 617831
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.4
 88 15.9 0.0 33.0

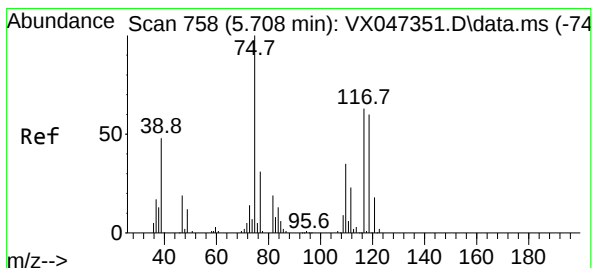
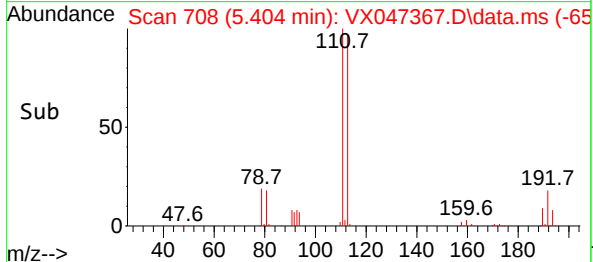
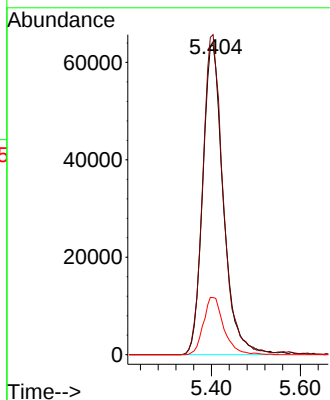
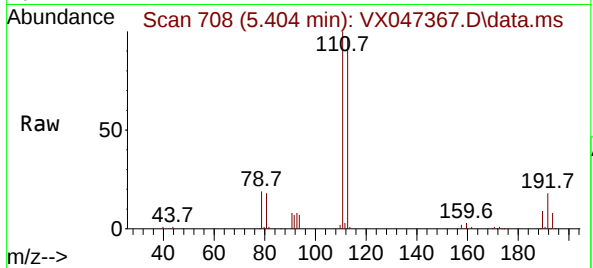




#35
Dibromofluoromethane
Concen: 51.225 ug/l
RT: 5.404 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX047367.D
Acq: 15 Aug 2025 16:58

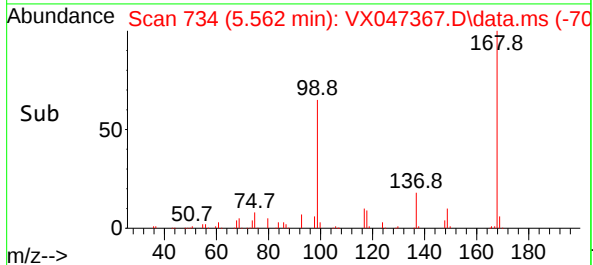
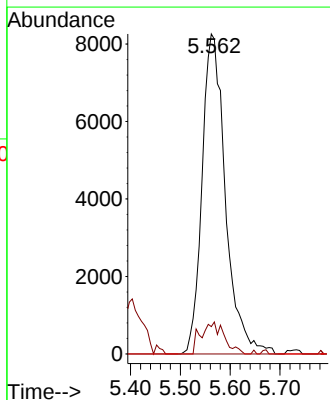
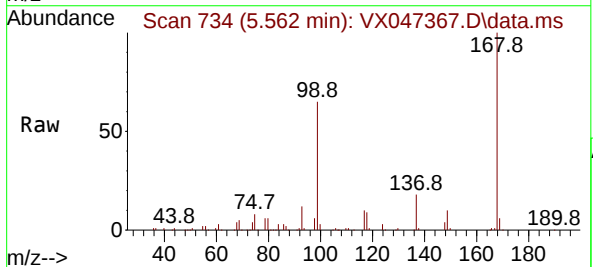
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MSVOA_X
ClientSampleId :

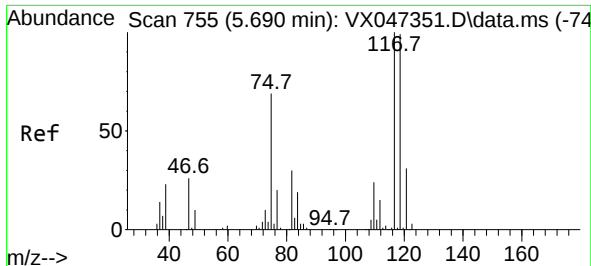
Tgt Ion:113 Resp: 205401
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.2
192 18.1 14.1 21.1



#36
1,1-Dichloropropene
Concen: 4.254 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.146 min
Lab File: VX047367.D
Acq: 15 Aug 2025 16:58

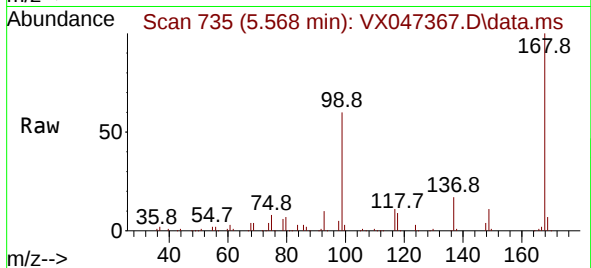
Tgt Ion: 75 Resp: 26928
Ion Ratio Lower Upper
75 100
110 9.9 17.4 52.2#
77 0.0 24.4 36.6#



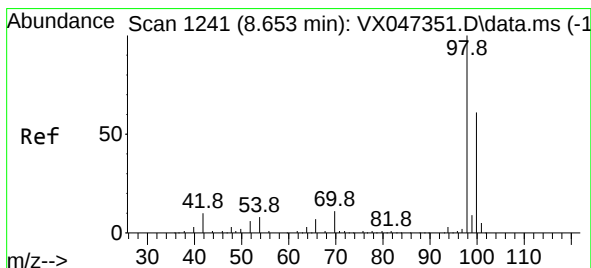
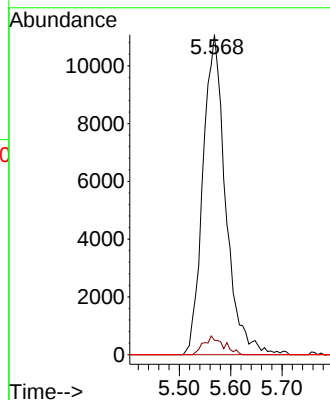
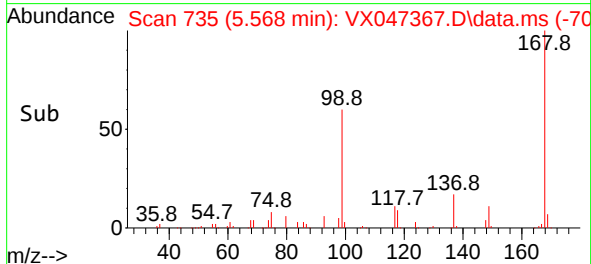


#38
Carbon Tetrachloride
Concen: 4.909 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX047367.D
Acq: 15 Aug 2025 16:58

Instrument :
MSVOA_X
ClientSampleId :

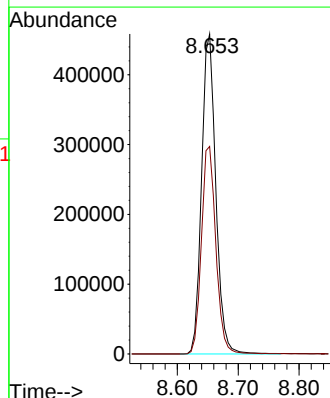
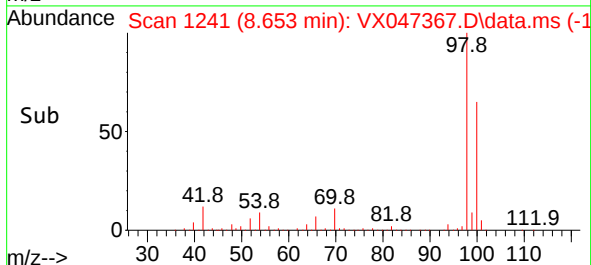
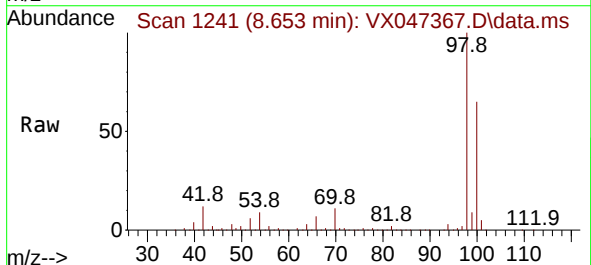


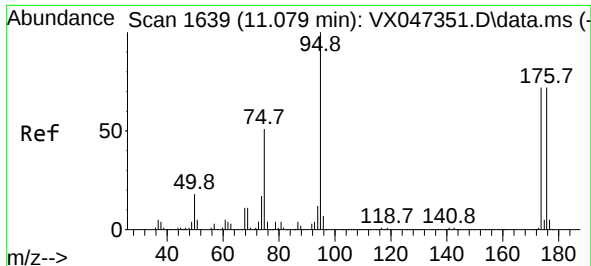
Tgt Ion:117 Resp: 33959
Ion Ratio Lower Upper
117 100
119 4.5 78.5 117.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.819 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047367.D
Acq: 15 Aug 2025 16:58

Tgt Ion: 98 Resp: 742666
Ion Ratio Lower Upper
98 100
100 66.0 53.9 80.9





#62

4-Bromofluorobenzene

Concen: 57.366 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047367.D

Acq: 15 Aug 2025 16:58

Instrument :

MSVOA_X

ClientSampleId :

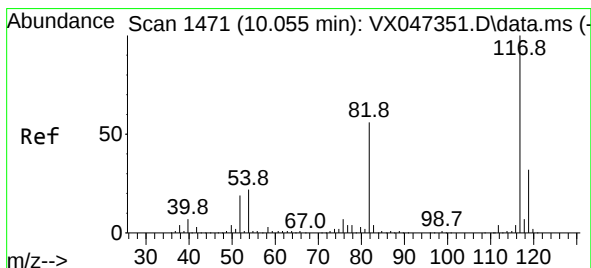
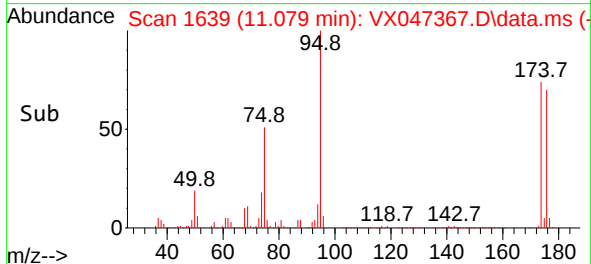
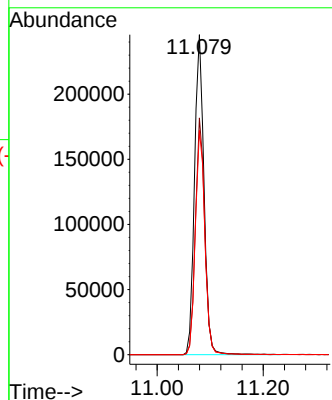
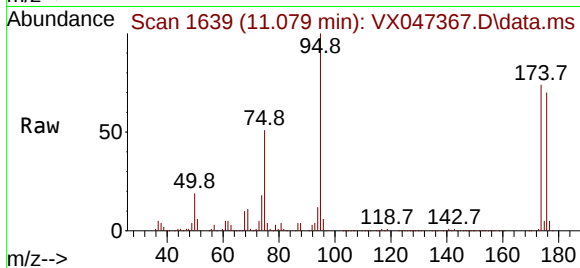
Tgt Ion: 95 Resp: 303397

Ion Ratio Lower Upper

95 100

174 73.3 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: VX047367.D

Acq: 15 Aug 2025 16:58

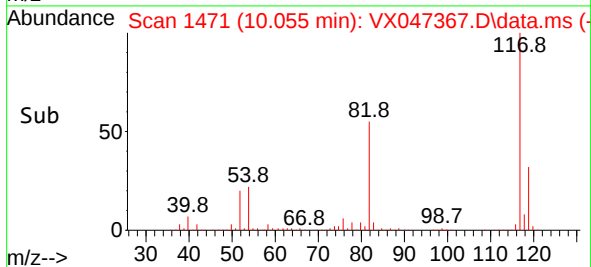
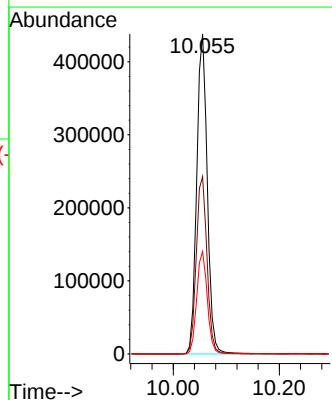
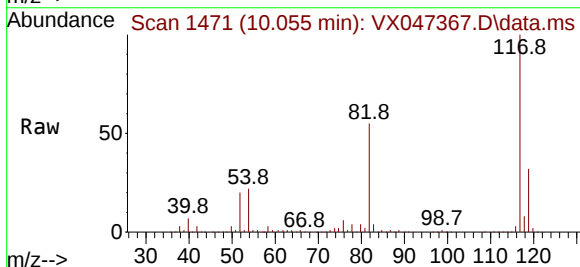
Tgt Ion: 117 Resp: 606003

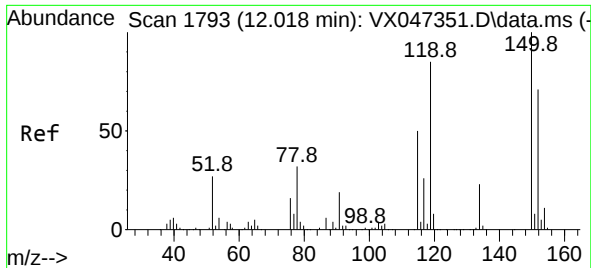
Ion Ratio Lower Upper

117 100

82 55.5 45.0 67.4

119 32.0 25.8 38.8

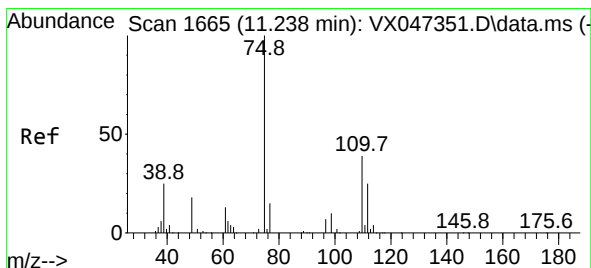
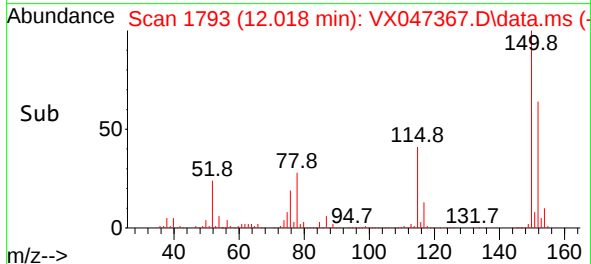
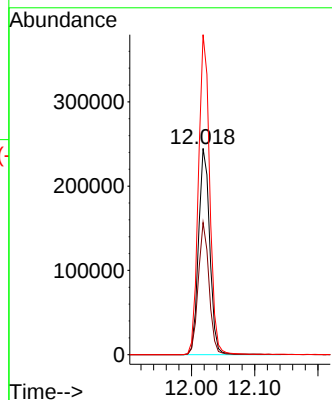
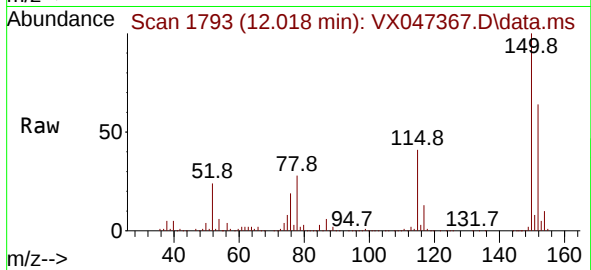




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047367.D
 Acq: 15 Aug 2025 16:58

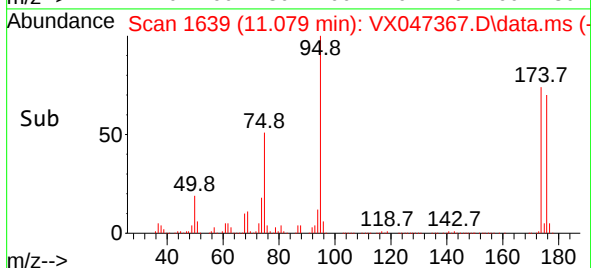
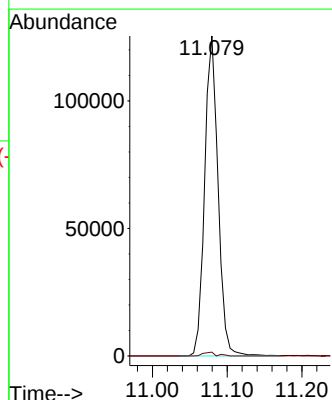
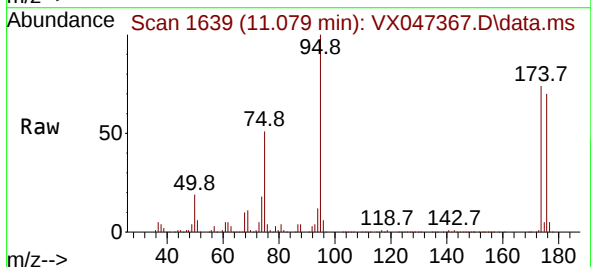
Instrument :
 MSVOA_X
 ClientSampleId :

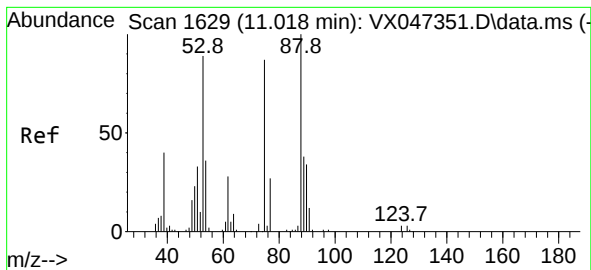
Tgt Ion:152 Resp: 303172
 Ion Ratio Lower Upper
 152 100
 115 61.9 44.6 133.8
 150 155.5 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 28.081 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047367.D
 Acq: 15 Aug 2025 16:58

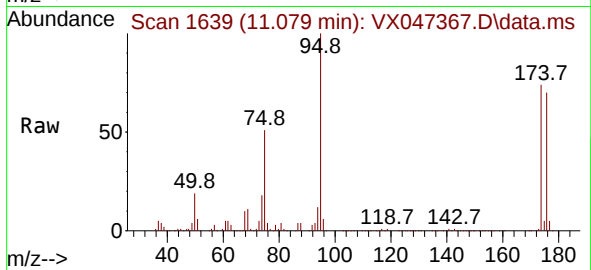
Tgt Ion: 75 Resp: 156143
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 110.726 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047367.D
Acq: 15 Aug 2025 16:58

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 156143
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#

