

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081825\
 Data File : VX047387.D
 Acq On : 18 Aug 2025 17:01
 Operator : JC/MD
 Sample : Q2815-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-22M-S

Quant Time: Aug 19 01:46:09 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)

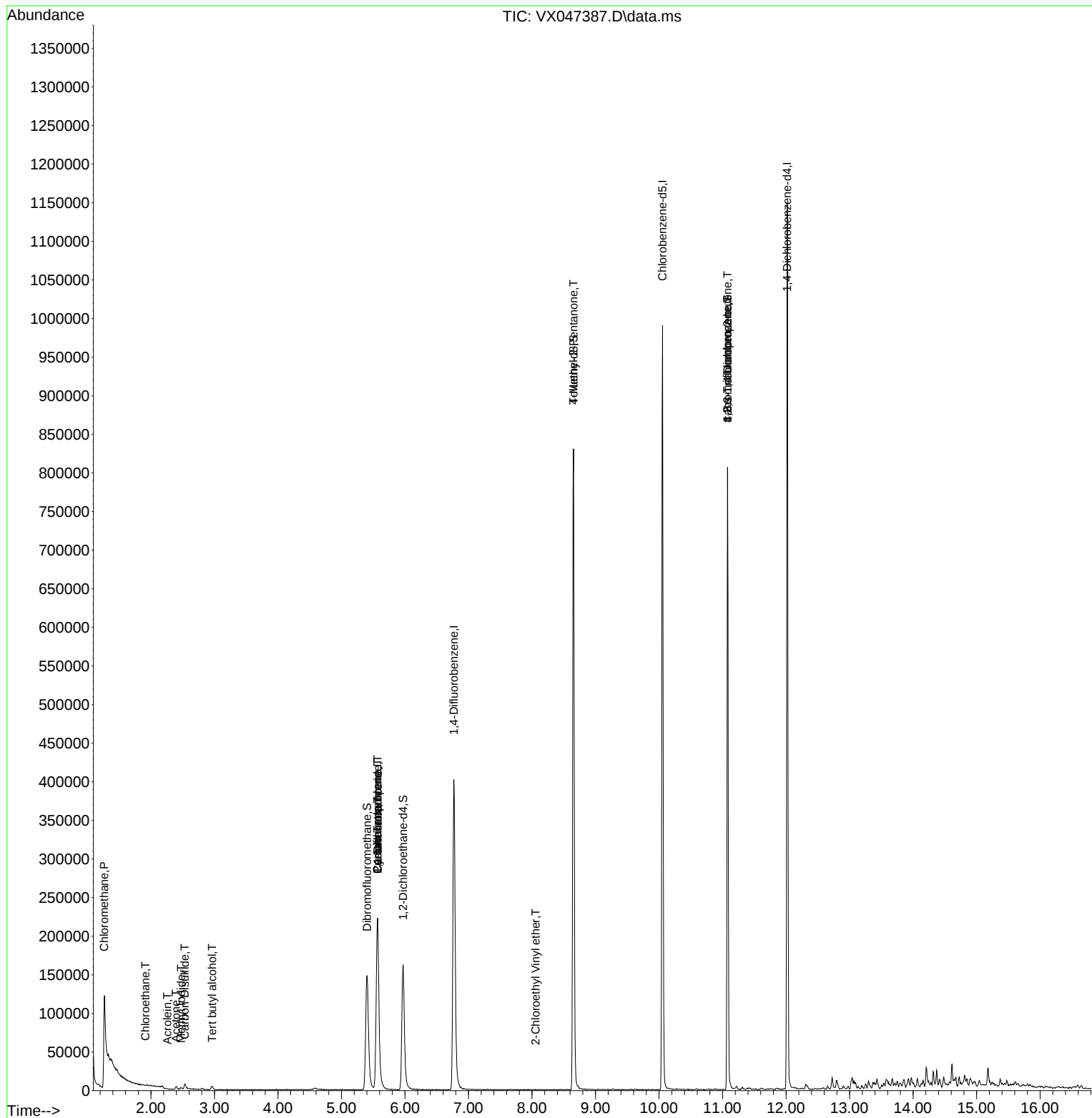
Internal Standards						
1) Pentafluorobenzene	5.568	168	219459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	426598	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	438628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	230333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	173366	56.445	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 112.900%	
35) Dibromofluoromethane	5.403	113	141736	51.193	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.380%	
50) Toluene-d8	8.653	98	507932	51.327	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.660%	
62) 4-Bromofluorobenzene	11.079	95	213430	58.445	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 116.900%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.264	50	5256	2.088	ug/l #	41
6) Chloroethane	1.910	64	499	0.258	ug/l	90
10) Methyl Iodide	2.477	142	3546	0.763	ug/l #	98
11) Tert butyl alcohol	2.965	59	2562	9.589	ug/l #	72
13) Acrolein	2.258	56	150	0.266	ug/l #	1
16) Acetone	2.392	43	5209	4.512	ug/l #	88
17) Carbon Disulfide	2.532	76	7292	0.875	ug/l #	75
31) Cyclohexane	5.568	56	5343	1.081	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	18026	4.124	ug/l #	51
38) Carbon Tetrachloride	5.568	117	22720	4.757	ug/l #	17
51) 4-Methyl-2-Pentanone	8.653	43	2602	0.694	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.055	63	29	8.368	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	110895	26.250	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	110895	104.021	ug/l #	7

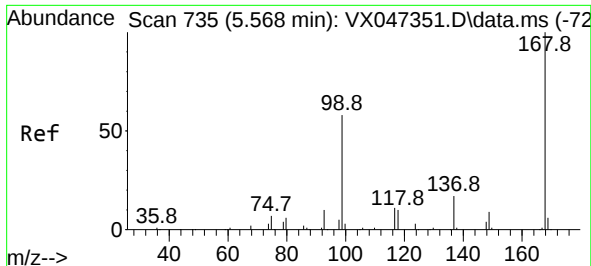
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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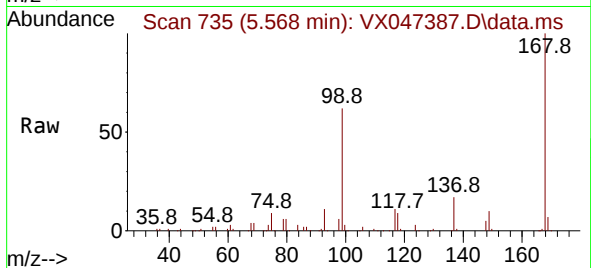
Quant Time: Aug 19 01:46:09 2025
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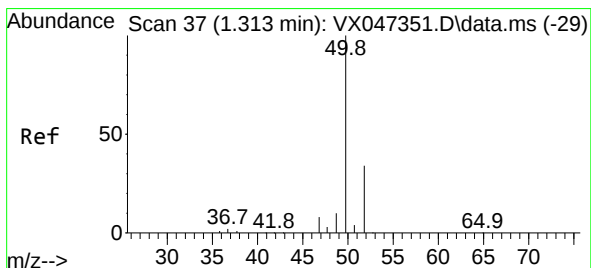
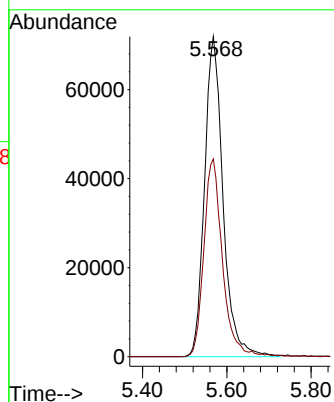
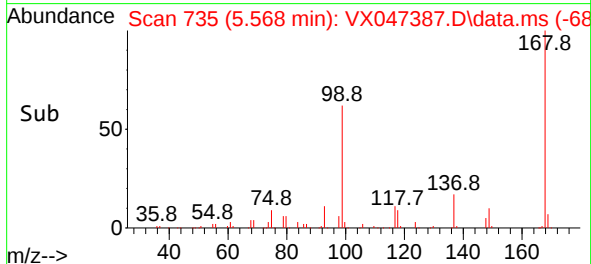


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047387.D
Acq: 18 Aug 2025 17:01

Instrument :
MSVOA_X
ClientSampleId :
TW-22M-S

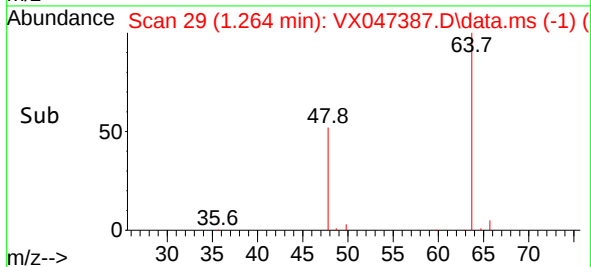
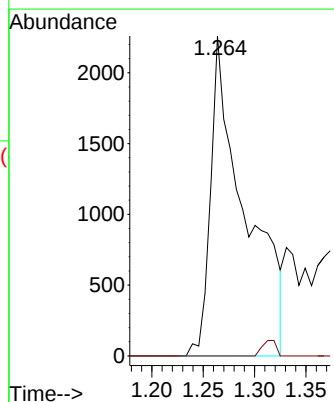
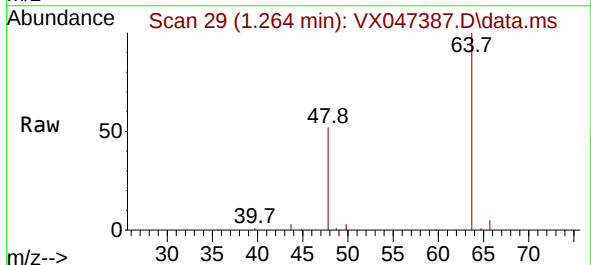


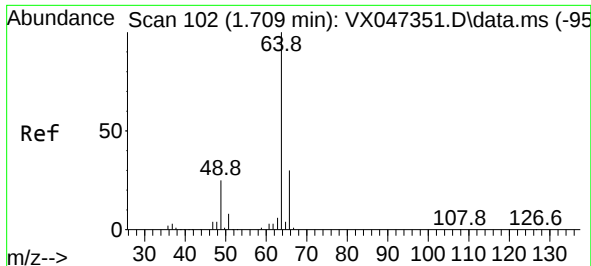
Tgt Ion:168 Resp: 219459
Ion Ratio Lower Upper
168 100
99 61.8 47.9 71.9



#3
Chloromethane
Concen: 2.088 ug/l
RT: 1.264 min Scan# 29
Delta R.T. -0.049 min
Lab File: VX047387.D
Acq: 18 Aug 2025 17:01

Tgt Ion: 50 Resp: 5256
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.4#

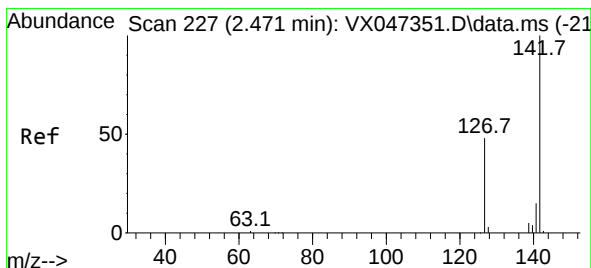
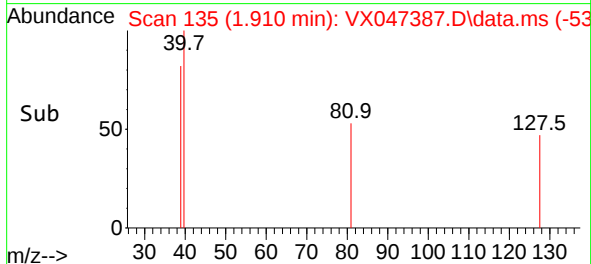
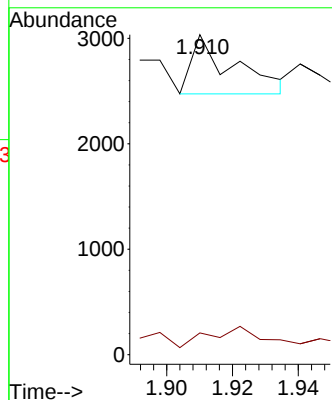
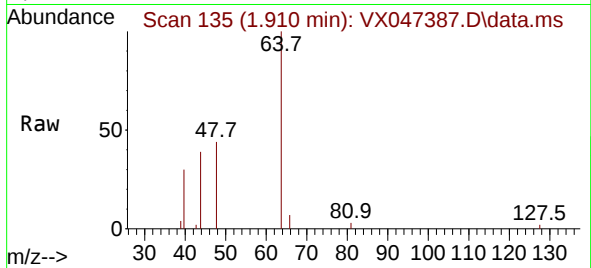




#6
Chloroethane
Concen: 0.258 ug/l
RT: 1.910 min Scan# 11
Delta R.T. 0.201 min
Lab File: VX047387.D
Acq: 18 Aug 2025 17:01

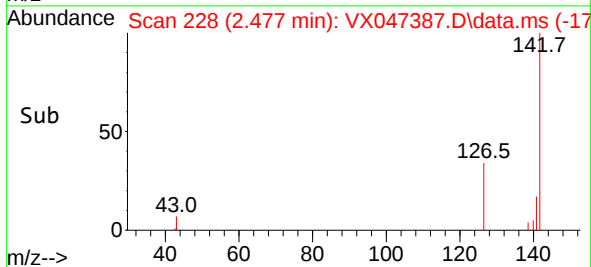
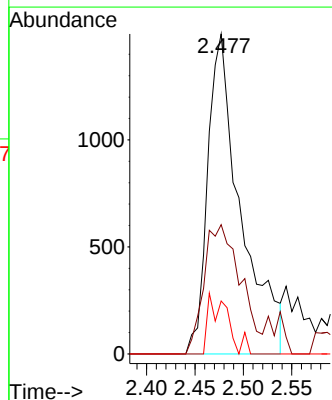
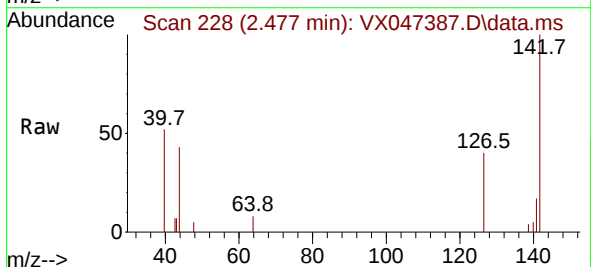
Instrument :
MSVOA_X
ClientSampleId :
TW-22M-S

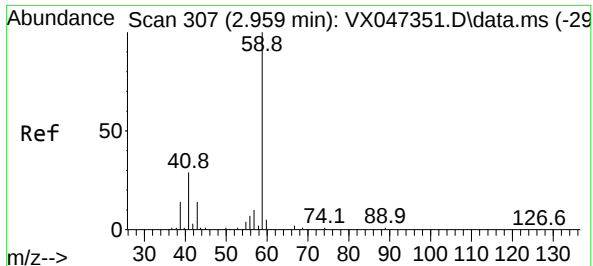
Tgt Ion: 64 Resp: 499
Ion Ratio Lower Upper
64 100
66 25.0 24.4 36.6



#10
Methyl Iodide
Concen: 0.763 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047387.D
Acq: 18 Aug 2025 17:01

Tgt Ion:142 Resp: 3546
Ion Ratio Lower Upper
142 100
127 45.0 36.1 54.1
141 10.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: 9.589 ug/l

RT: 2.965 min Scan# 307

Delta R.T. 0.006 min

Lab File: VX047387.D

Acq: 18 Aug 2025 17:01

Instrument :

MSVOA_X

ClientSampleId :

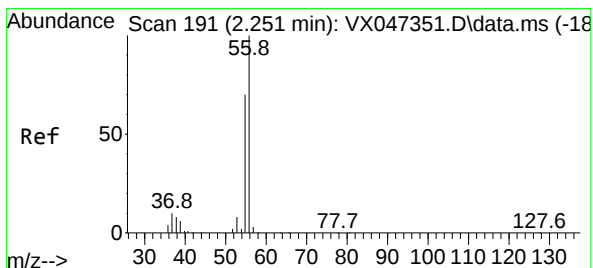
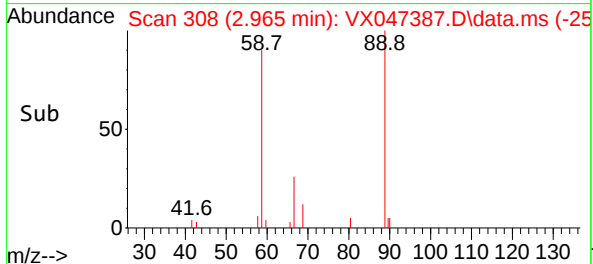
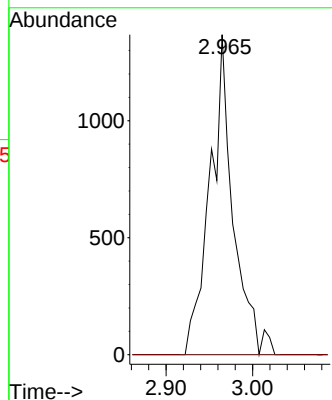
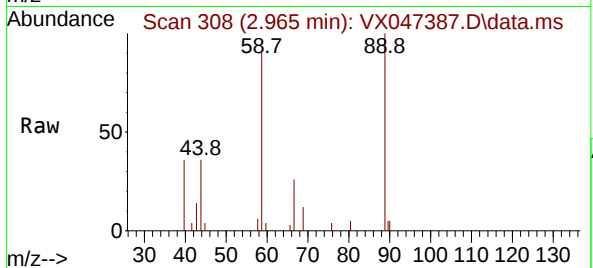
TW-22M-S

Tgt Ion: 59 Resp: 2562

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.266 ug/l

RT: 2.258 min Scan# 192

Delta R.T. 0.006 min

Lab File: VX047387.D

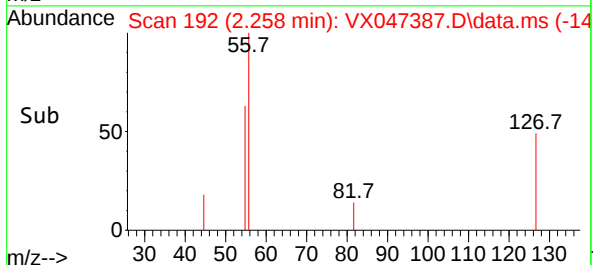
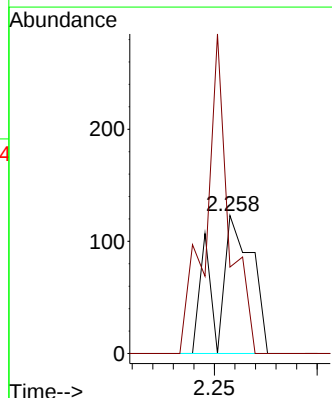
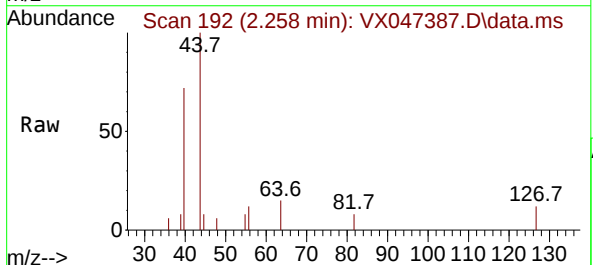
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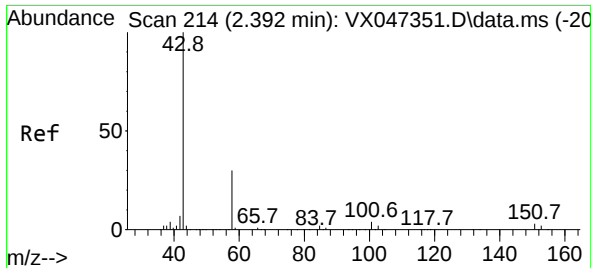
Tgt Ion: 56 Resp: 150

Ion Ratio Lower Upper

56 100

55 150.0 55.5 83.3#

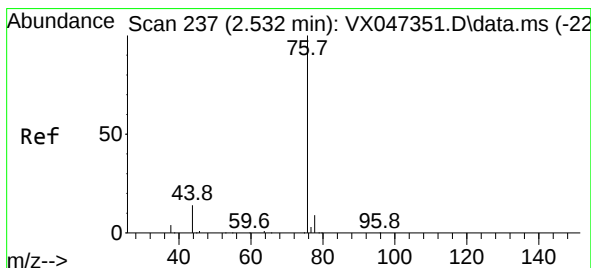
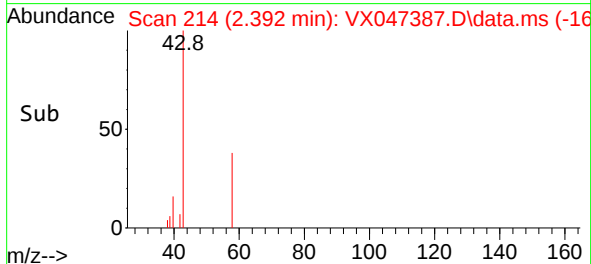
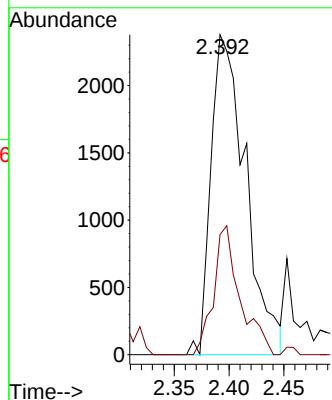
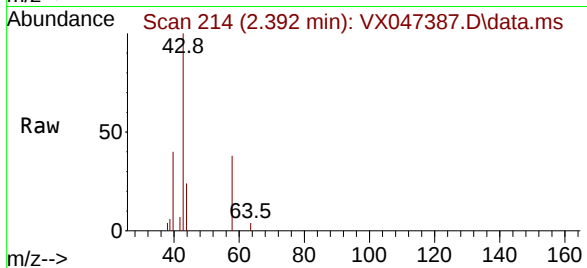




#16
Acetone
Concen: 4.512 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047387.D
Acq: 18 Aug 2025 17:01

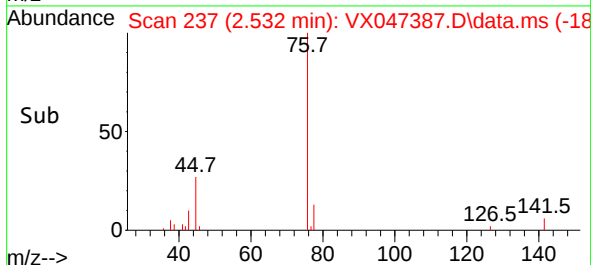
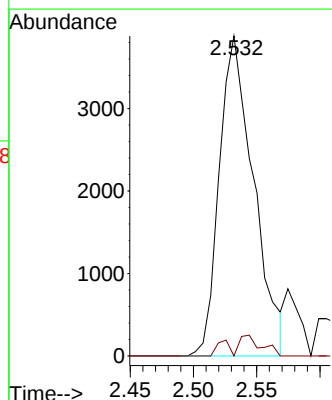
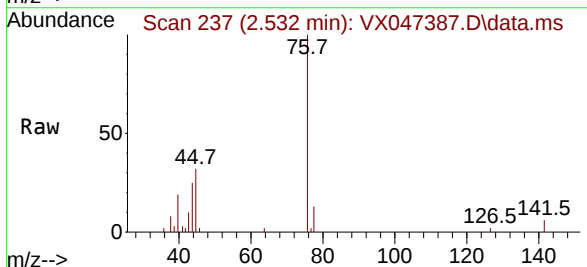
Instrument :
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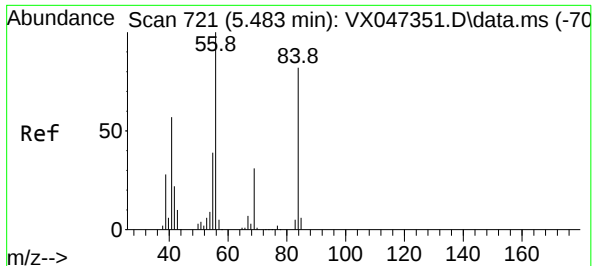
Tgt Ion: 43 Resp: 5209
Ion Ratio Lower Upper
43 100
58 37.6 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.875 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047387.D
Acq: 18 Aug 2025 17:01

Tgt Ion: 76 Resp: 7292
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

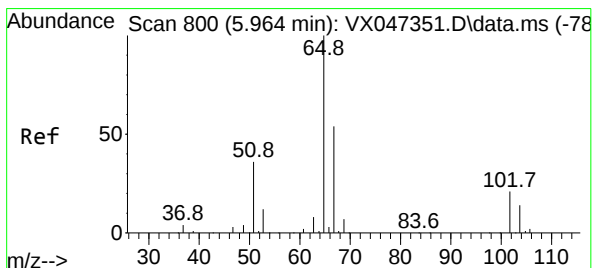
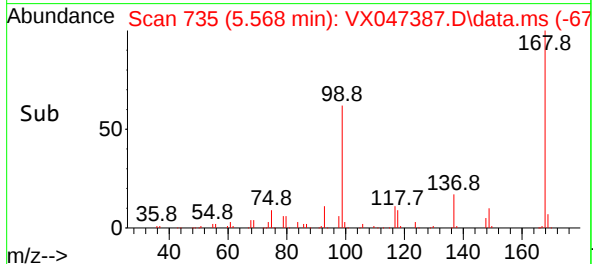
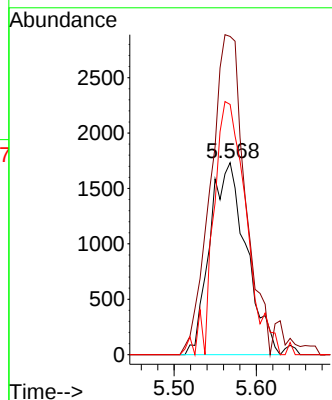
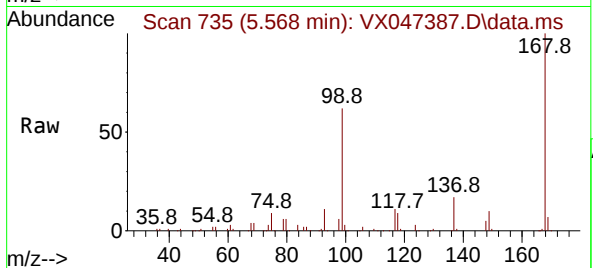




#31
Cyclohexane
Concen: 1.081 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX047387.D
Acq: 18 Aug 2025 17:01

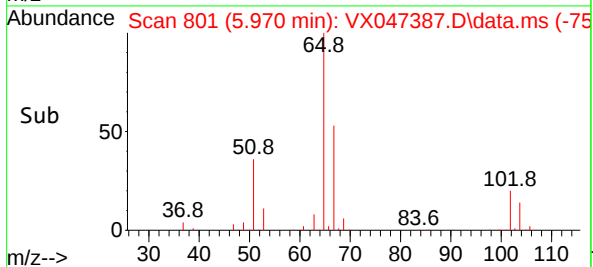
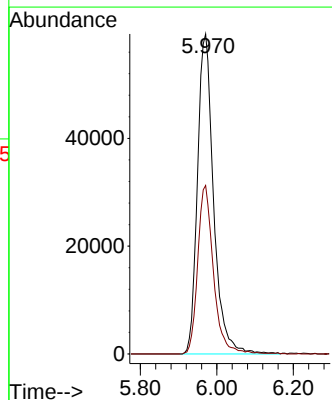
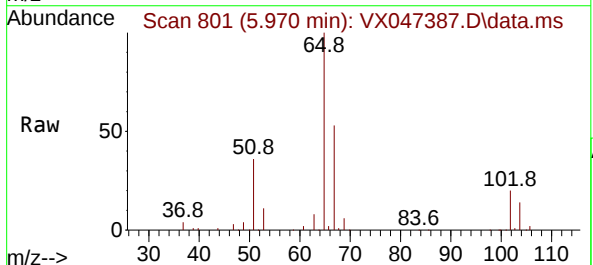
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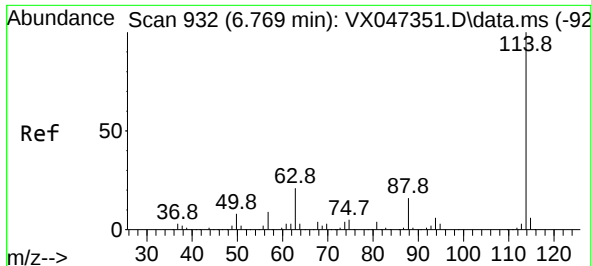
Tgt Ion: 56 Resp: 5343
Ion Ratio Lower Upper
56 100
69 165.8 24.3 36.5#
84 130.4 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 56.445 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047387.D
Acq: 18 Aug 2025 17:01

Tgt Ion: 65 Resp: 173366
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.0

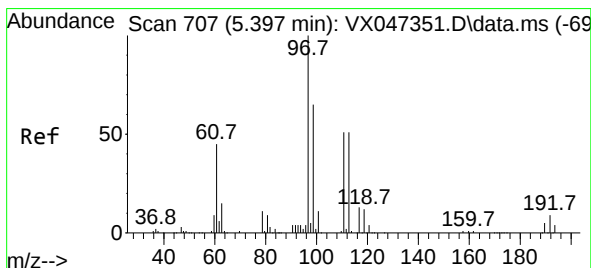
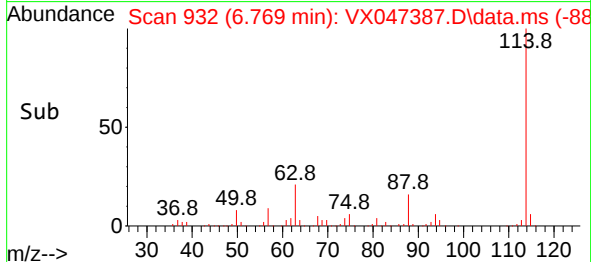
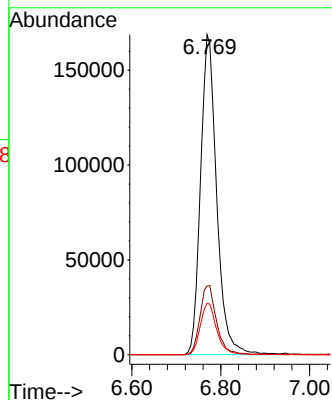
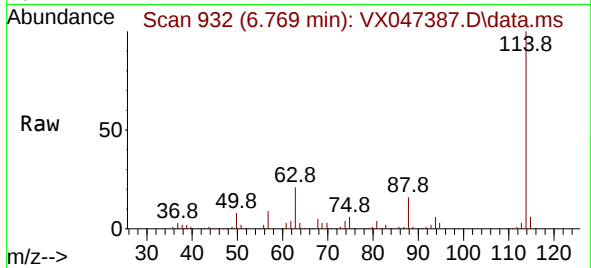




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047387.D
Acq: 18 Aug 2025 17:01

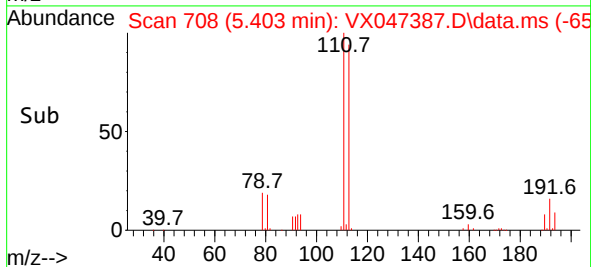
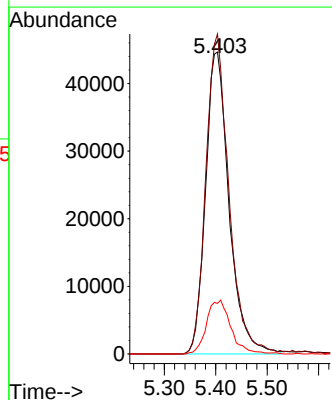
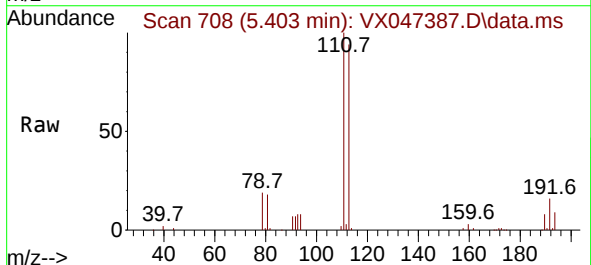
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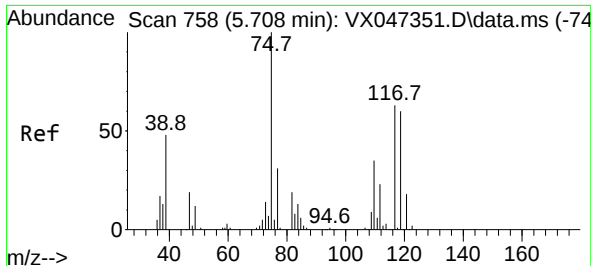
Tgt Ion:114 Resp: 426598
Ion Ratio Lower Upper
114 100
63 21.5 0.0 42.4
88 16.0 0.0 33.0



#35
Dibromofluoromethane
Concen: 51.193 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047387.D
Acq: 18 Aug 2025 17:01

Tgt Ion:113 Resp: 141736
Ion Ratio Lower Upper
113 100
111 104.2 81.4 122.2
192 18.3 14.1 21.1

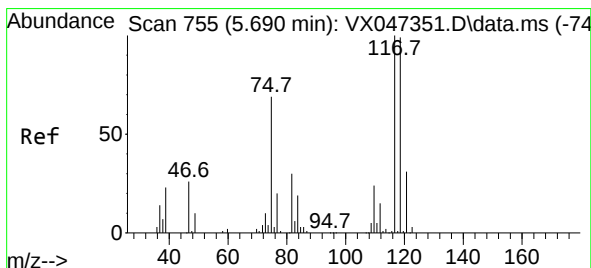
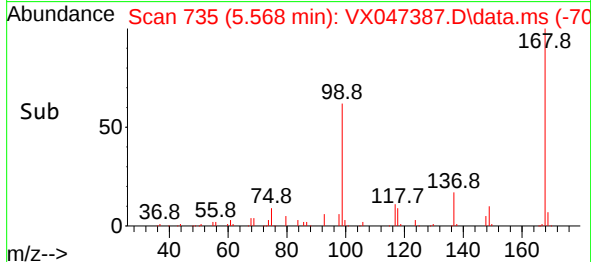
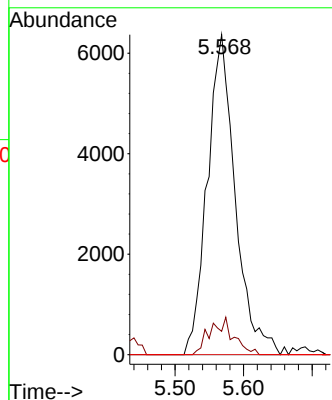
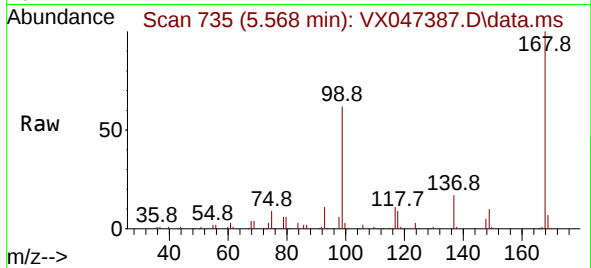




#36
1,1-Dichloropropene
Concen: 4.124 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX047387.D
Acq: 18 Aug 2025 17:01

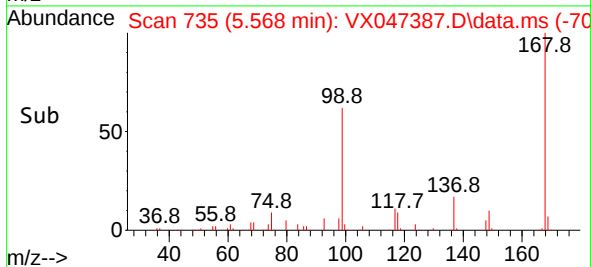
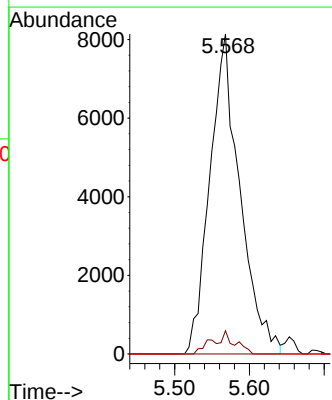
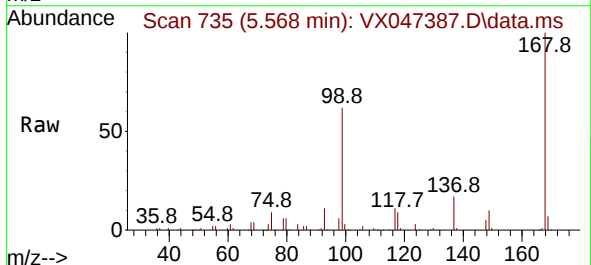
Instrument :
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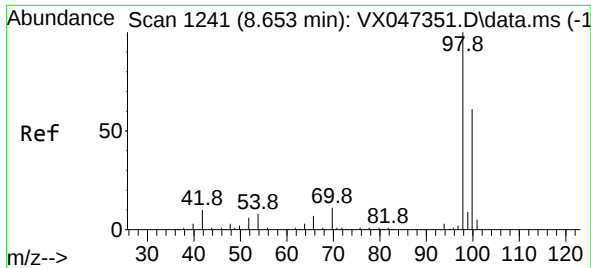
Tgt Ion: 75 Resp: 18026
Ion Ratio Lower Upper
75 100
110 9.8 17.4 52.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.757 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX047387.D
Acq: 18 Aug 2025 17:01

Tgt Ion: 117 Resp: 22720
Ion Ratio Lower Upper
117 100
119 7.3 78.5 117.7#
121 0.0 24.7 37.1#

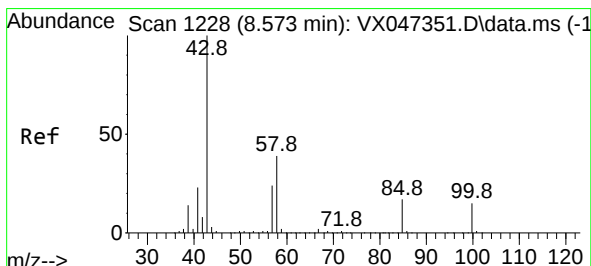
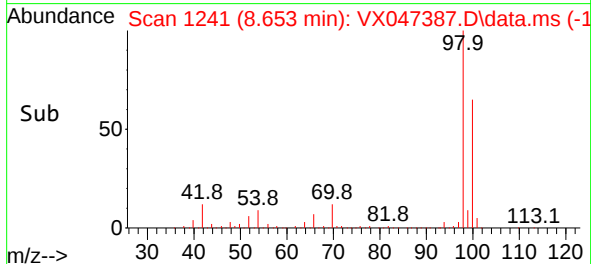
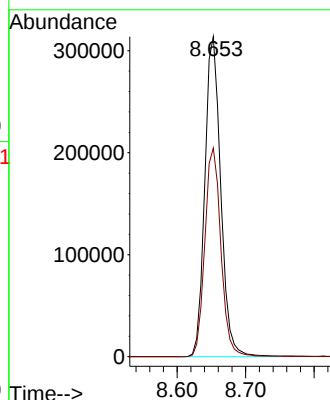
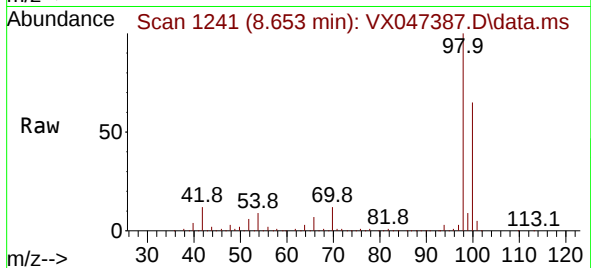




#50
Toluene-d8
Concen: 51.327 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047387.D
Acq: 18 Aug 2025 17:01

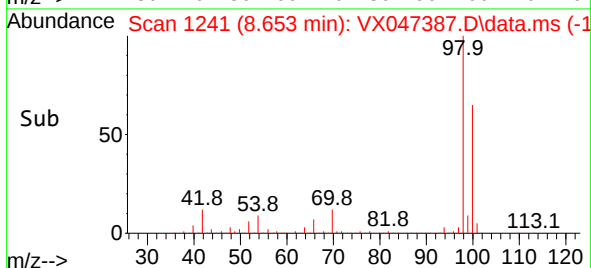
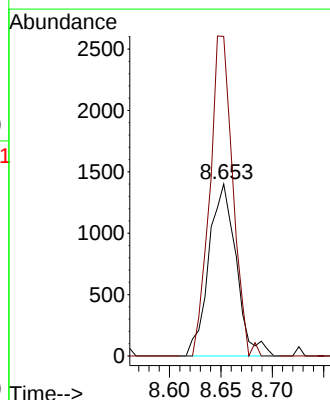
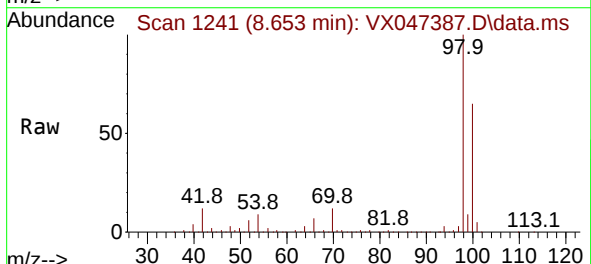
Instrument :
MSVOA_X
ClientSampleId :
TW-22M-S

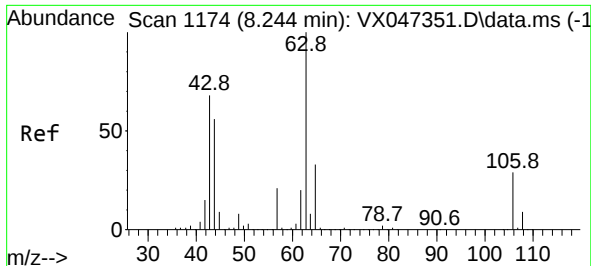
Tgt Ion: 98 Resp: 507932
Ion Ratio Lower Upper
98 100
100 66.0 53.9 80.9



#51
4-Methyl-2-Pentanone
Concen: 0.694 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX047387.D
Acq: 18 Aug 2025 17:01

Tgt Ion: 43 Resp: 2602
Ion Ratio Lower Upper
43 100
58 156.3 31.2 46.8#

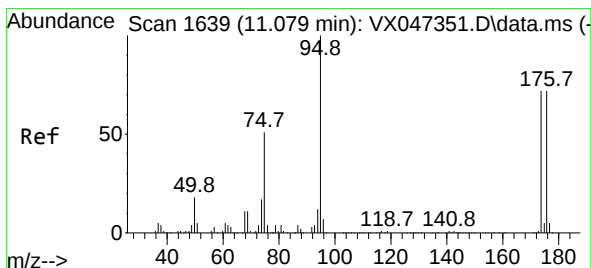
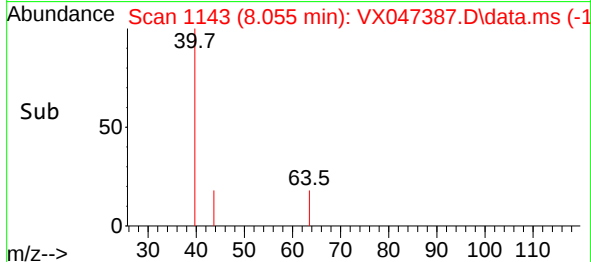
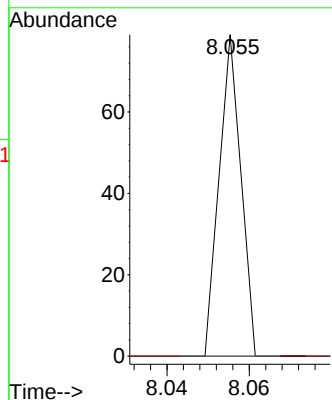
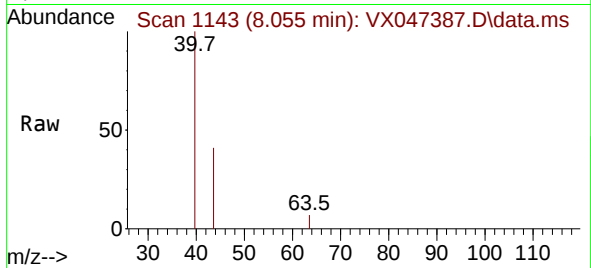




#58
2-Chloroethyl Vinyl ether
Concen: 8.368 ug/l
RT: 8.055 min Scan# 1174
Delta R.T. -0.189 min
Lab File: VX047387.D
Acq: 18 Aug 2025 17:01

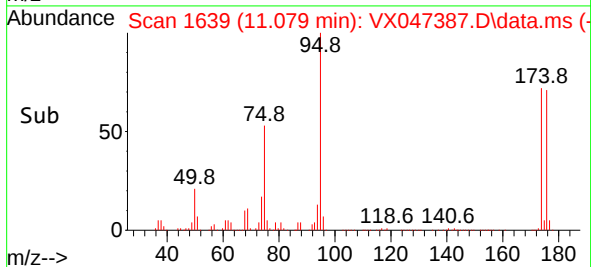
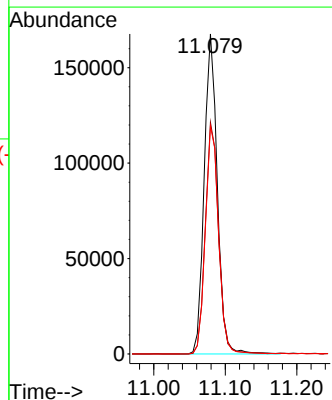
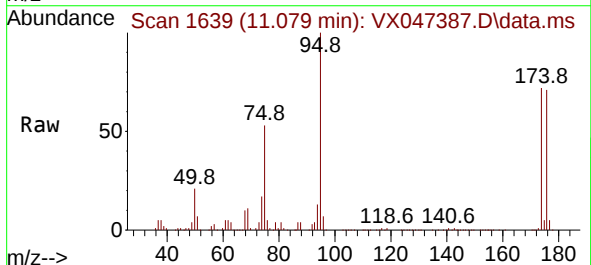
Instrument :
MSVOA_X
ClientSampleId :
TW-22M-S

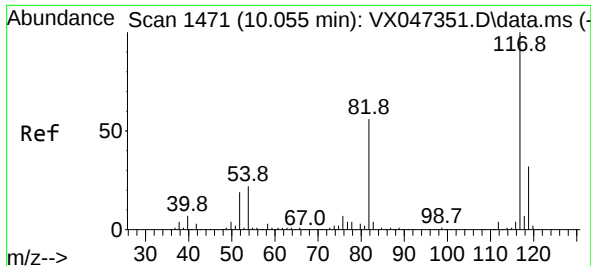
Tgt Ion: 63 Resp: 29
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#



#62
4-Bromofluorobenzene
Concen: 58.445 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047387.D
Acq: 18 Aug 2025 17:01

Tgt Ion: 95 Resp: 213430
Ion Ratio Lower Upper
95 100
174 73.2 0.0 148.0
176 72.2 0.0 145.4

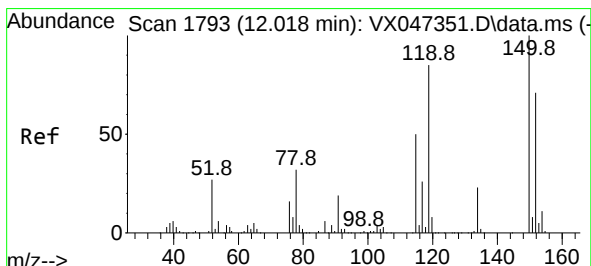
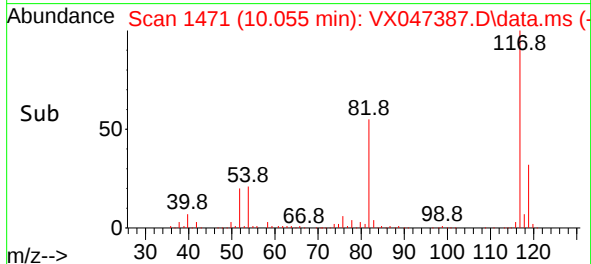
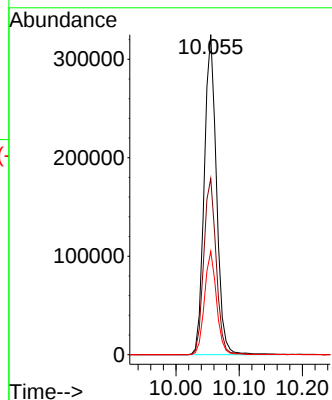
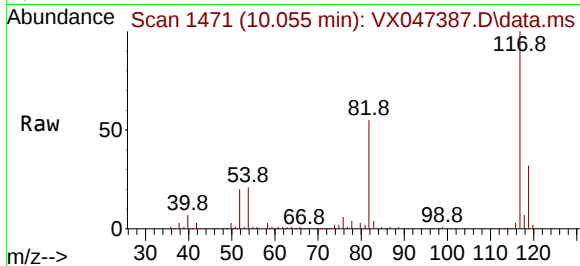




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047387.D
Acq: 18 Aug 2025 17:01

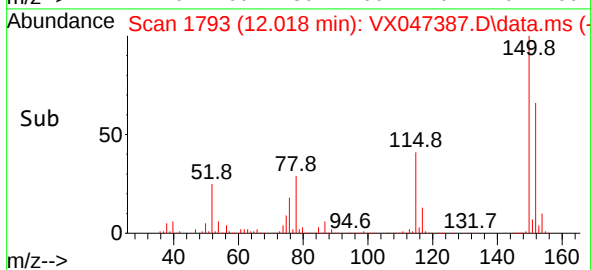
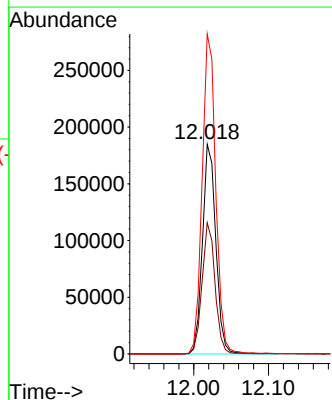
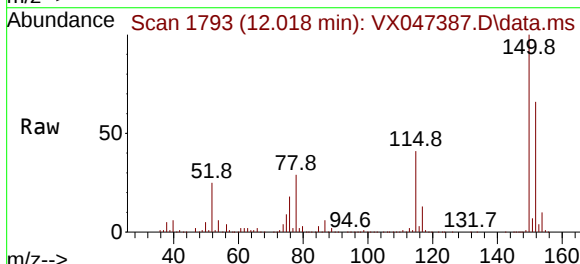
Instrument :
MSVOA_X
ClientSampleId :
TW-22M-S

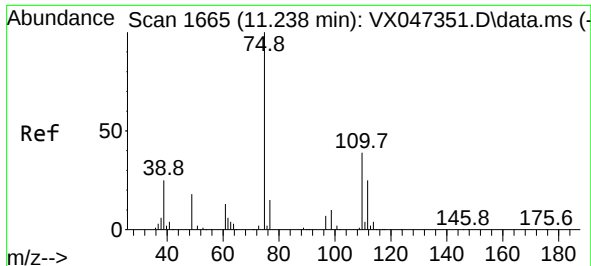
Tgt Ion:117 Resp: 438628
Ion Ratio Lower Upper
117 100
82 55.1 45.0 67.4
119 32.3 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047387.D
Acq: 18 Aug 2025 17:01

Tgt Ion:152 Resp: 230333
Ion Ratio Lower Upper
152 100
115 60.8 44.6 133.8
150 154.4 0.0 349.8

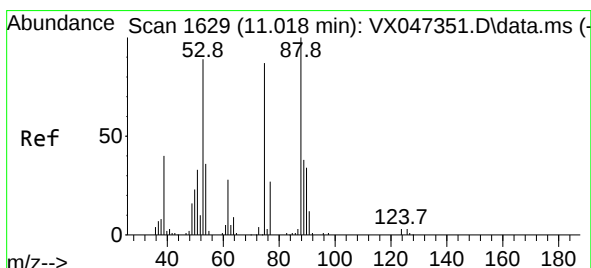
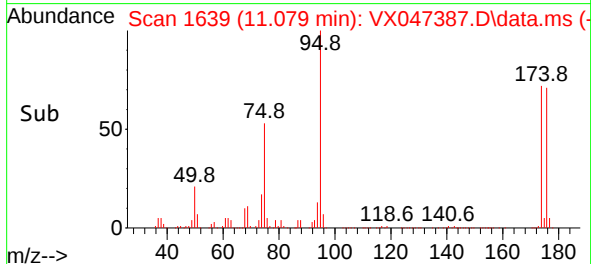
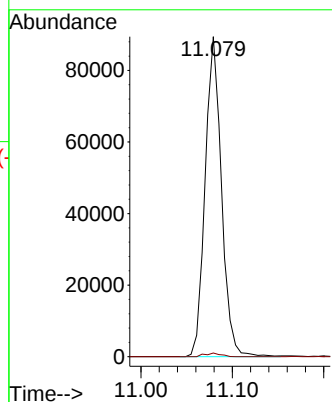
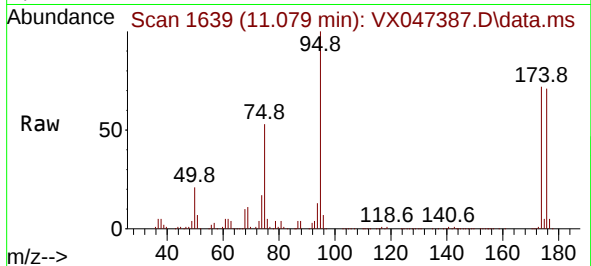




#76
1,2,3-Trichloropropane
Concen: 26.250 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047387.D
Acq: 18 Aug 2025 17:01

Instrument :
MSVOA_X
ClientSampleId :
TW-22M-S

Tgt Ion: 75 Resp: 110895
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.021 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047387.D
Acq: 18 Aug 2025 17:01

Tgt Ion: 75 Resp: 110895
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#

