

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
 Data File : VX047295.D
 Acq On : 12 Aug 2025 14:34
 Operator : JC/MD
 Sample : Q2814-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-82H-E

Quant Time: Aug 13 01:21:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

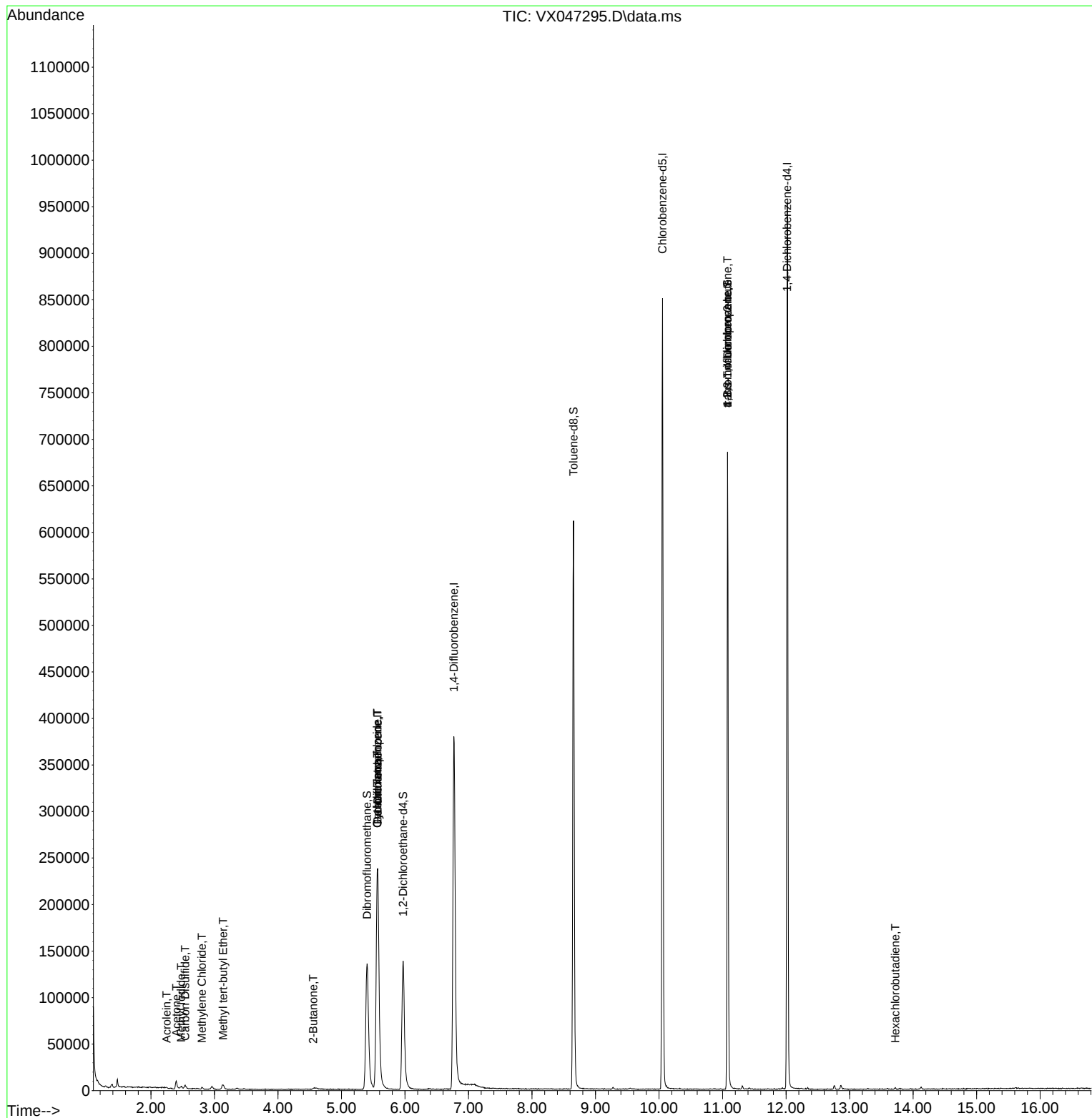
Internal Standards						
1) Pentafluorobenzene	5.568	168	246817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	417838	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	379612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	196582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	147445	47.956	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.920%
35) Dibromofluoromethane	5.403	113	130786	50.695	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.380%
50) Toluene-d8	8.653	98	371795	44.500	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.000%#
62) 4-Bromofluorobenzene	11.079	95	182279	50.626	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.260%
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.477	142	3946	1.236	ug/l #	88
11) Tert butyl alcohol	2.953	59	1019	Below Cal	#	72
13) Acrolein	2.245	56	209	0.316	ug/l #	66
16) Acetone	2.398	43	11956	9.707	ug/l	99
17) Carbon Disulfide	2.538	76	2434	0.271	ug/l #	76
19) Methyl tert-butyl Ether	3.136	73	6183	0.655	ug/l	96
20) Methylene Chloride	2.800	84	799	0.236	ug/l #	82
25) 2-Butanone	4.556	43	461	0.257	ug/l #	52
31) Cyclohexane	5.562	56	5328	0.927	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	20404	4.640	ug/l #	50
38) Carbon Tetrachloride	5.562	117	26287	5.601	ug/l #	17
76) 1,2,3-Trichloropropane	11.079	75	95131	26.145	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	95131	67.359	ug/l #	8
94) Hexachlorobutadiene	13.719	225	309	0.204	ug/l	78

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

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Quant Time: Aug 13 01:21:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
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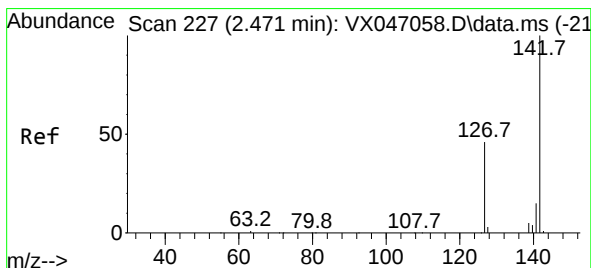
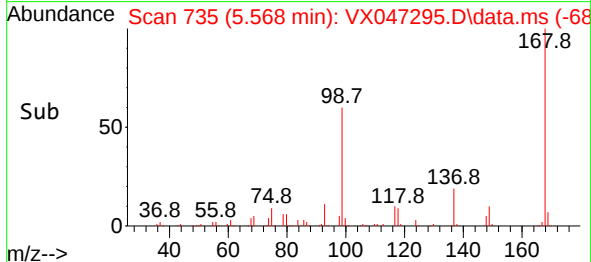
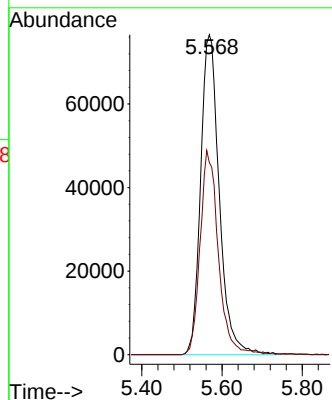
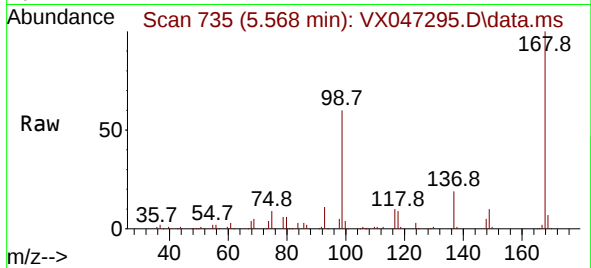




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

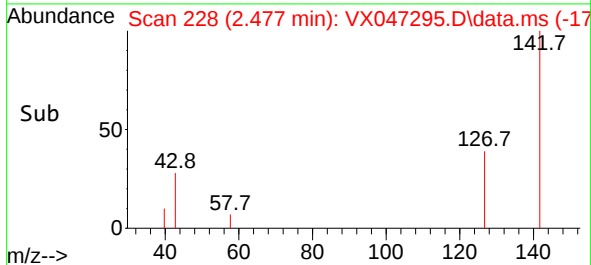
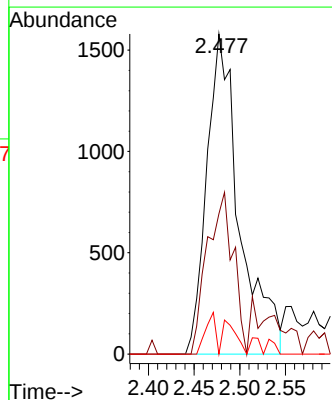
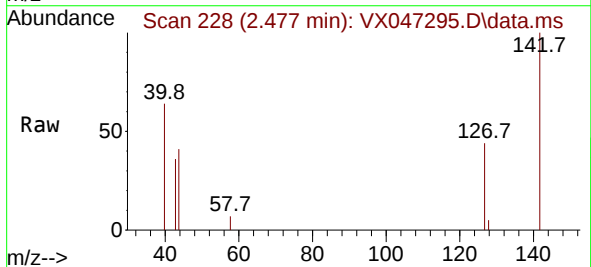
Instrument :
MSVOA_X
ClientSampleId :
TW-82H-E

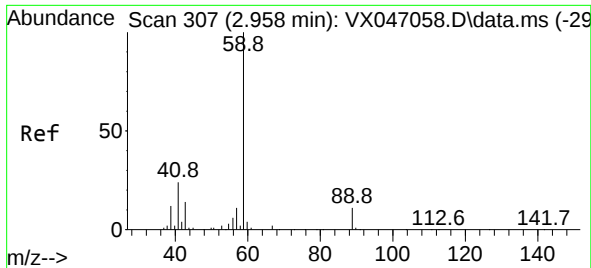
Tgt Ion:168 Resp: 246817
Ion Ratio Lower Upper
168 100
99 60.0 48.0 72.0



#10
Methyl Iodide
Concen: 1.236 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

Tgt Ion:142 Resp: 3946
Ion Ratio Lower Upper
142 100
127 40.1 36.6 54.8
141 4.3 10.9 16.3#

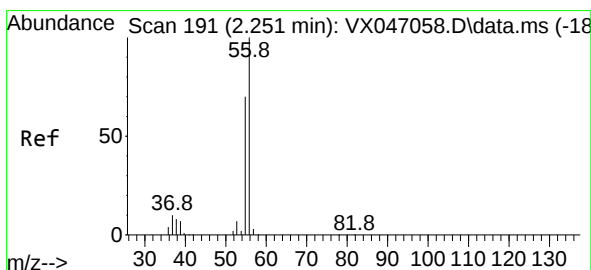
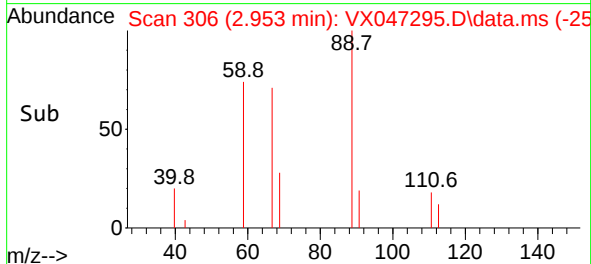
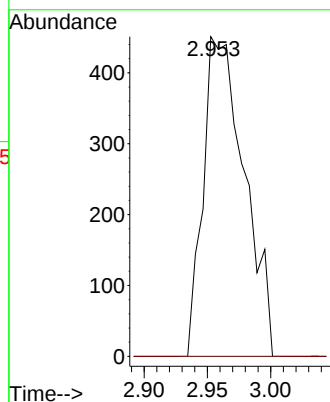
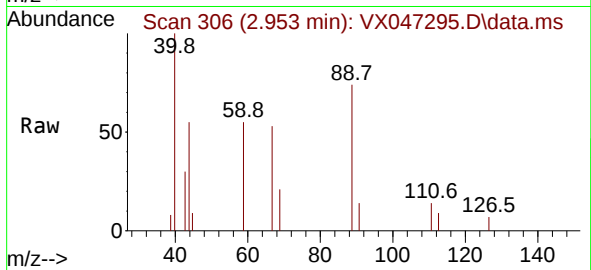




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 30
Delta R.T. -0.005 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

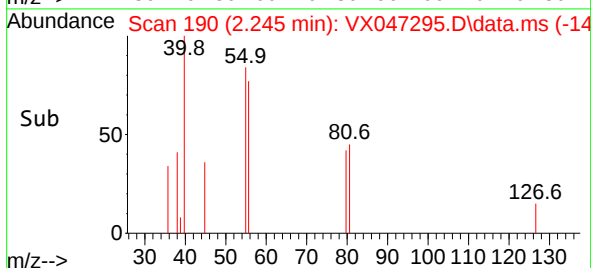
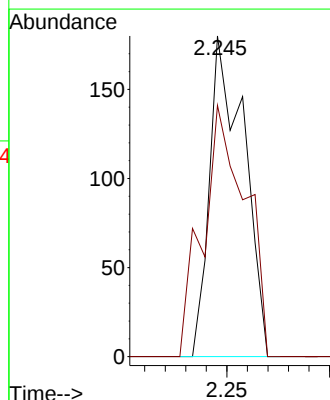
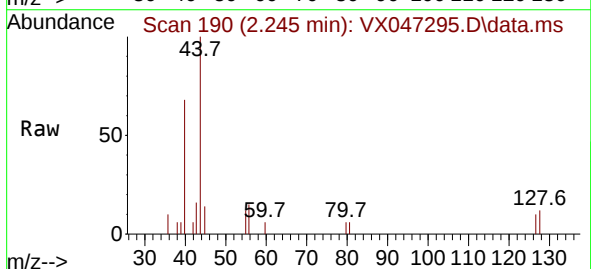
Instrument :
MSVOA_X
ClientSampleId :
TW-82H-E

Tgt Ion: 59 Resp: 1019
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.316 ug/l
RT: 2.245 min Scan# 190
Delta R.T. -0.006 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

Tgt Ion: 56 Resp: 209
Ion Ratio Lower Upper
56 100
55 97.1 55.7 83.5#

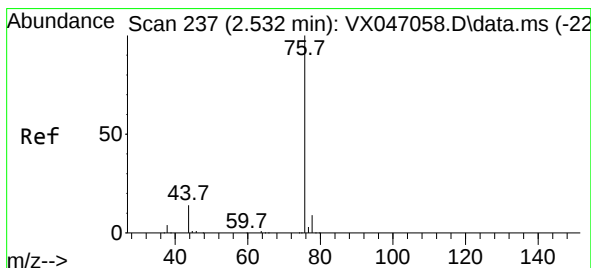
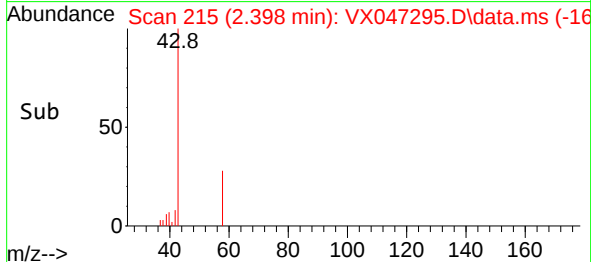
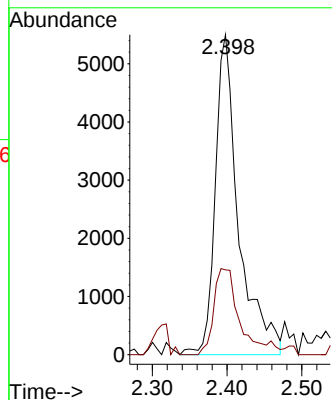
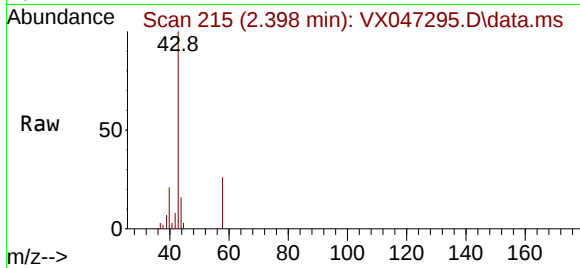




#16
Acetone
Concen: 9.707 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.013 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

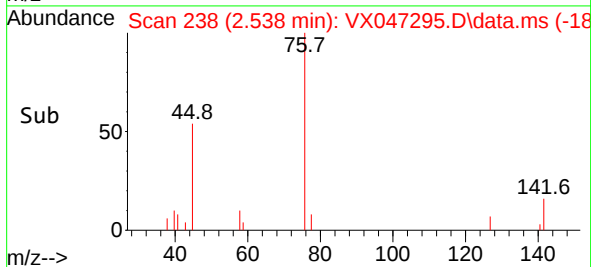
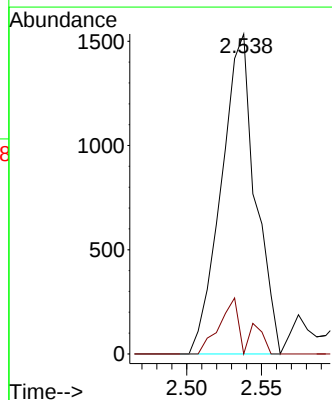
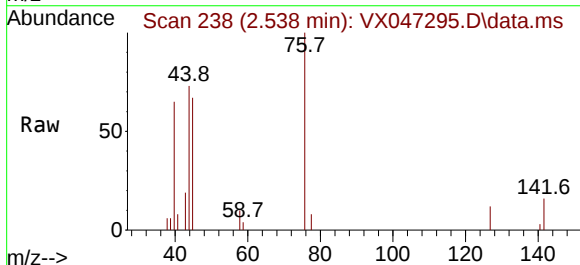
Instrument :
MSVOA_X
ClientSampleId :
TW-82H-E

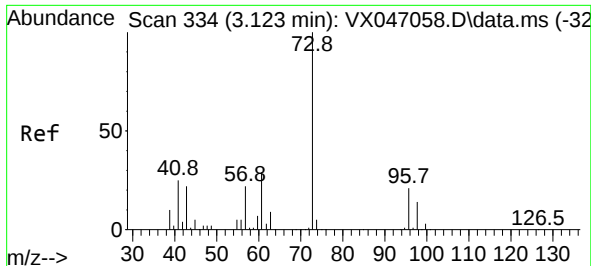
Tgt Ion: 43 Resp: 11956
Ion Ratio Lower Upper
43 100
58 30.5 24.0 36.0



#17
Carbon Disulfide
Concen: 0.271 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

Tgt Ion: 76 Resp: 2434
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

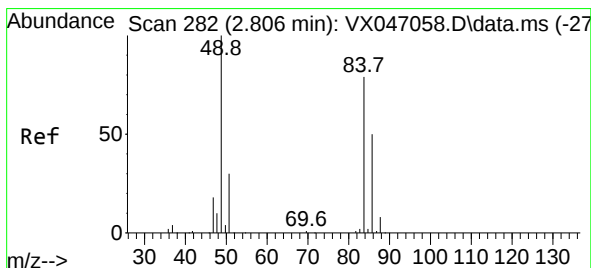
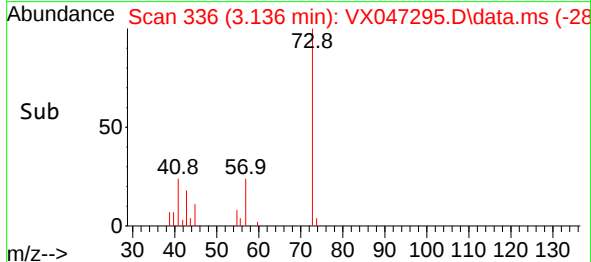
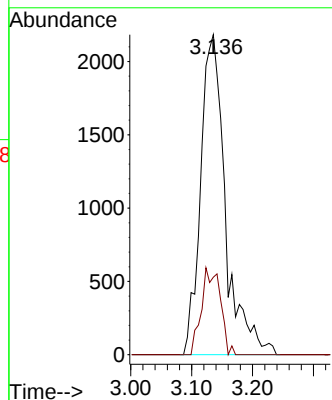
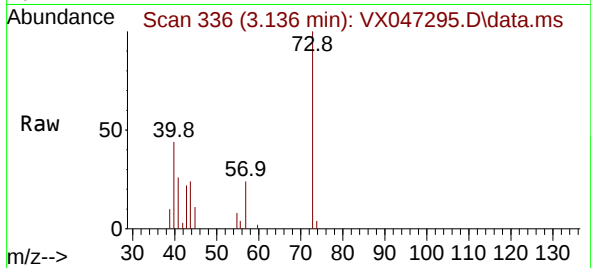




#19
Methyl tert-butyl Ether
Concen: 0.655 ug/l
RT: 3.136 min Scan# 31
Delta R.T. 0.013 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

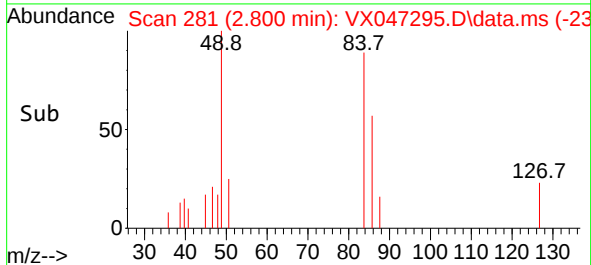
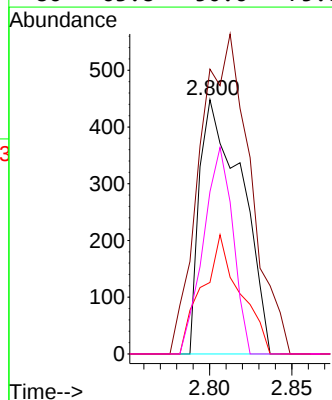
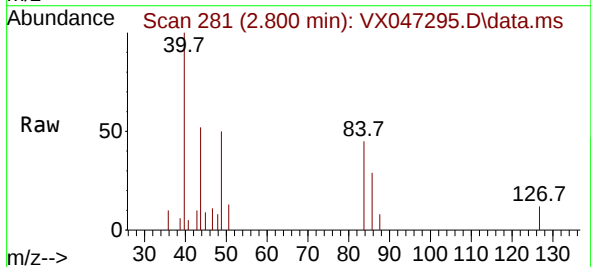
Instrument :
MSVOA_X
ClientSampleId :
TW-82H-E

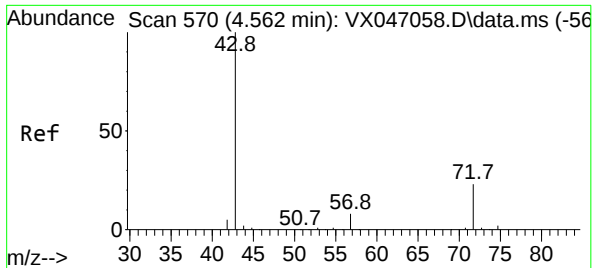
Tgt Ion: 73 Resp: 6183
Ion Ratio Lower Upper
73 100
57 24.2 17.7 26.5



#20
Methylene Chloride
Concen: 0.236 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

Tgt Ion: 84 Resp: 799
Ion Ratio Lower Upper
84 100
49 95.8 101.6 152.4#
51 28.1 30.3 45.5#
86 63.8 50.6 75.8

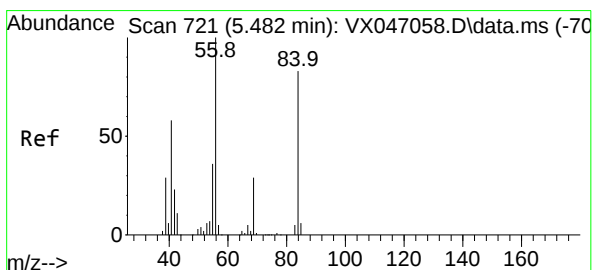
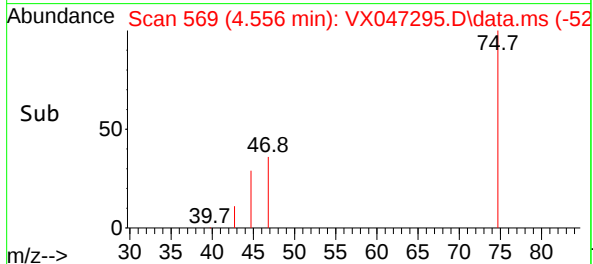
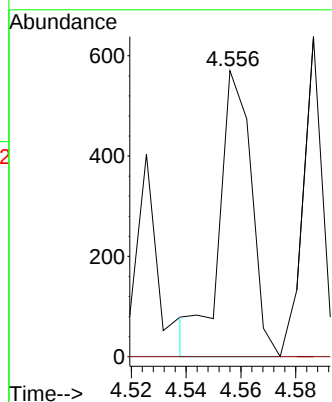
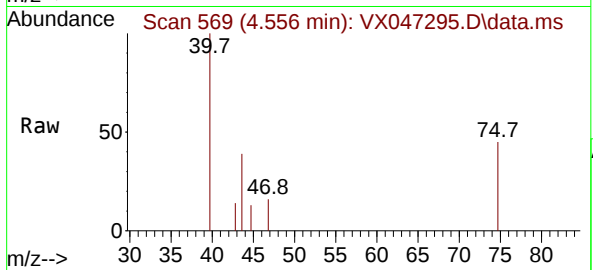




#25
2-Butanone
Concen: 0.257 ug/l
RT: 4.556 min Scan# 50
Delta R.T. -0.006 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

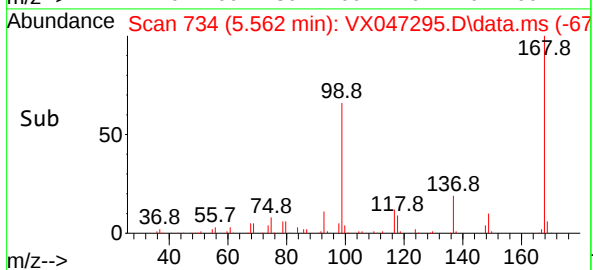
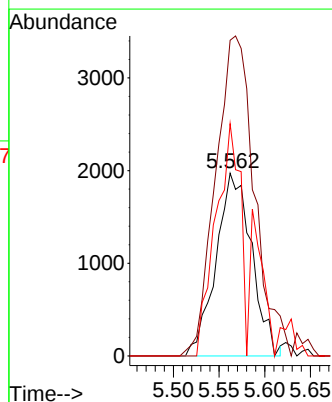
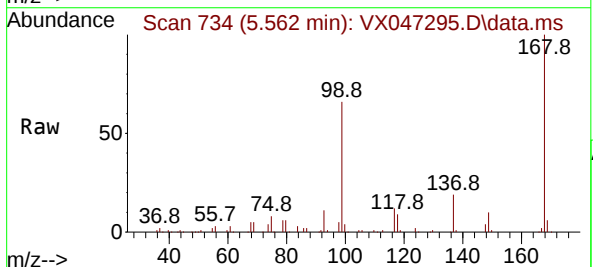
Instrument :
MSVOA_X
ClientSampleId :
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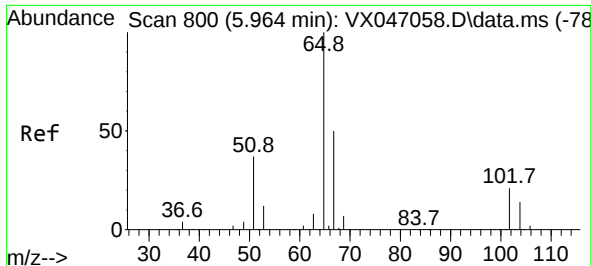
Tgt Ion: 43 Resp: 461
Ion Ratio Lower Upper
43 100
72 0.0 18.8 28.2#



#31
Cyclohexane
Concen: 0.927 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.080 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

Tgt Ion: 56 Resp: 5328
Ion Ratio Lower Upper
56 100
69 172.9 23.3 34.9#
84 127.1 66.5 99.7#

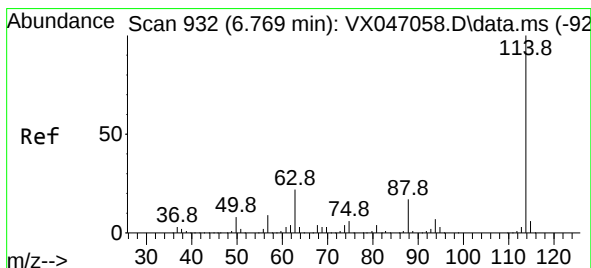
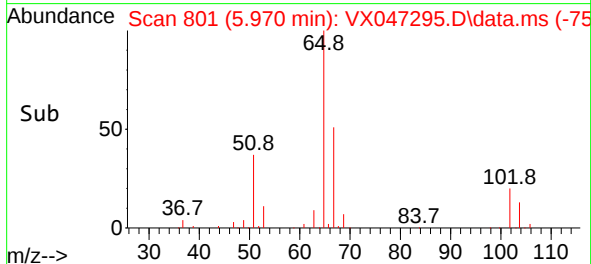
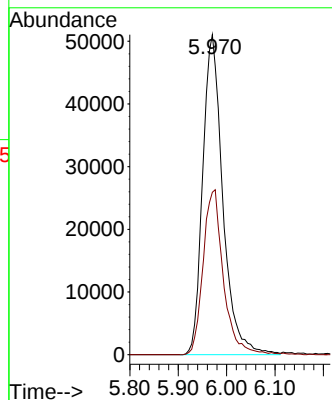
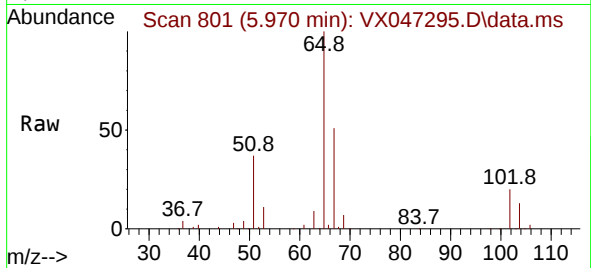




#33
 1,2-Dichloroethane-d4
 Concen: 47.956 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.006 min
 Lab File: VX047295.D
 Acq: 12 Aug 2025 14:34

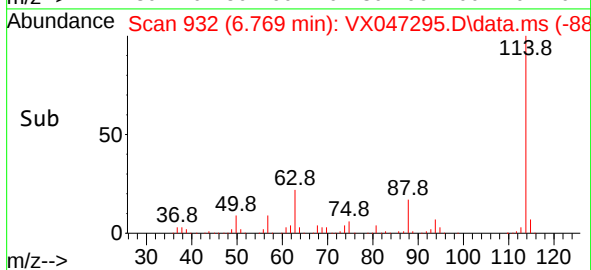
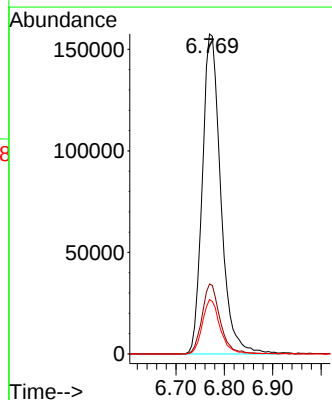
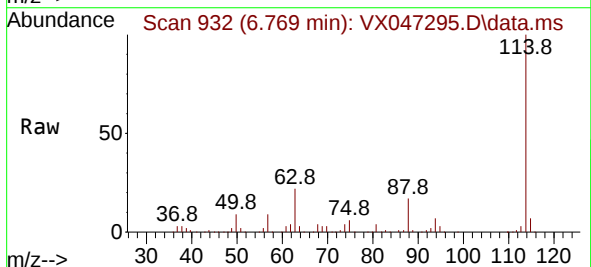
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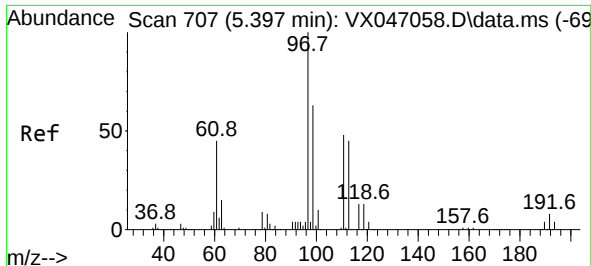
Tgt Ion: 65 Resp: 147445
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047295.D
 Acq: 12 Aug 2025 14:34

Tgt Ion: 114 Resp: 417838
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.2
 88 17.0 0.0 33.8

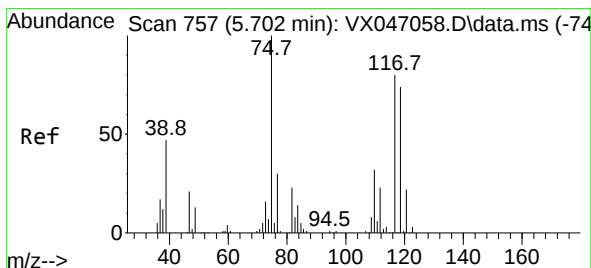
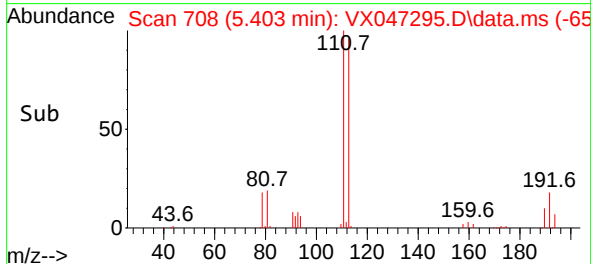
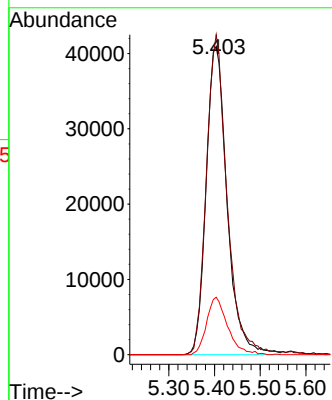
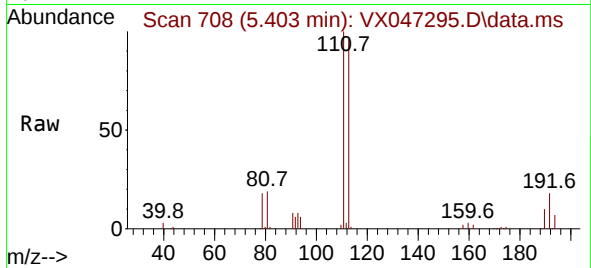




#35
Dibromofluoromethane
Concen: 50.695 ug/l
RT: 5.403 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

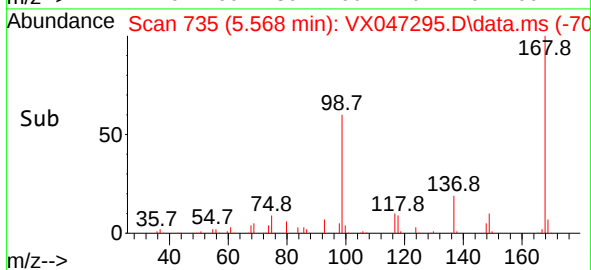
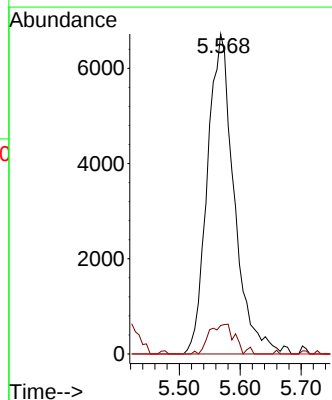
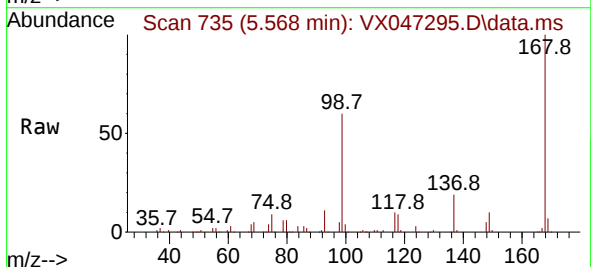
Instrument :
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ClientSampleId :
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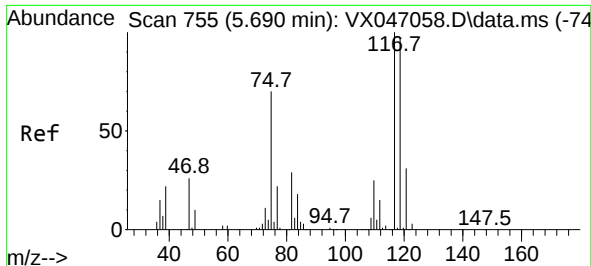
Tgt Ion:113 Resp: 130786
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 18.6 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.640 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

Tgt Ion: 75 Resp: 20404
Ion Ratio Lower Upper
75 100
110 8.8 17.2 51.5#
77 0.0 25.1 37.7#

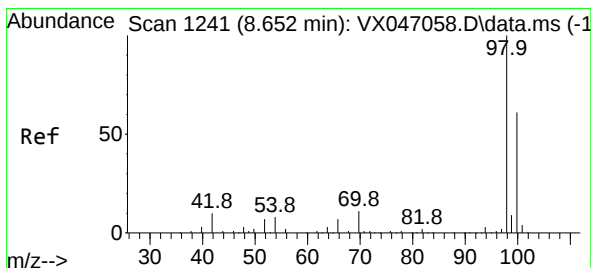
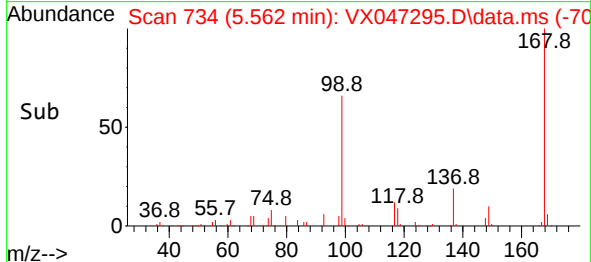
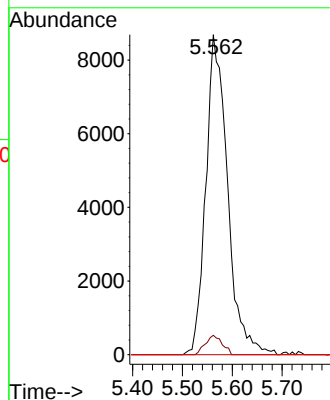
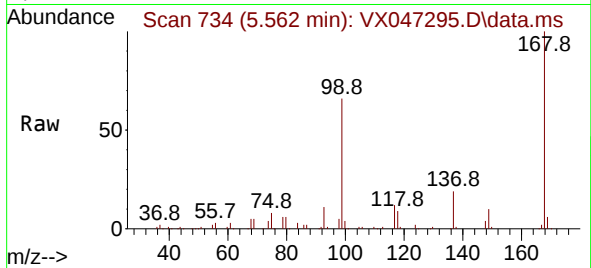




#38
Carbon Tetrachloride
Concen: 5.601 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

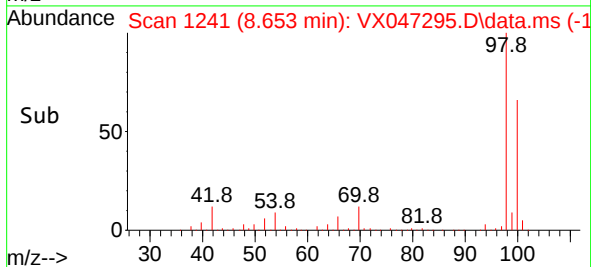
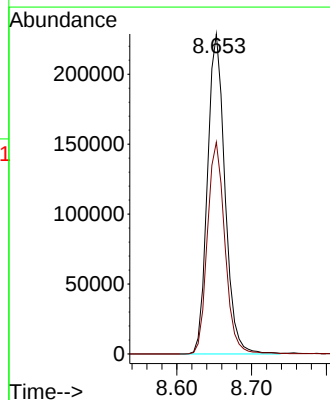
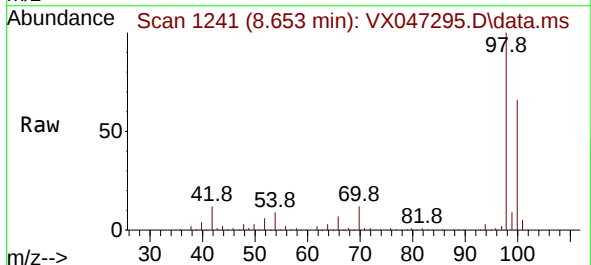
Instrument :
MSVOA_X
ClientSampleId :
TW-82H-E

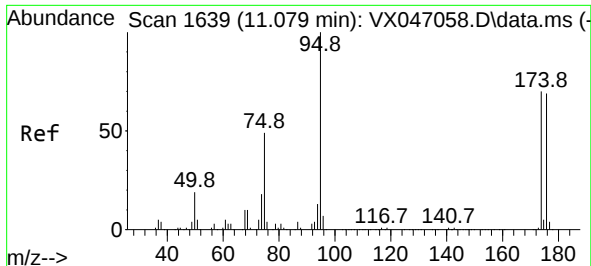
Tgt Ion:117 Resp: 26287
Ion Ratio Lower Upper
117 100
119 6.0 76.6 115.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 44.500 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

Tgt Ion: 98 Resp: 371795
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 50.626 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047295.D

Acq: 12 Aug 2025 14:34

Instrument :

MSVOA_X

ClientSampleId :

TW-82H-E

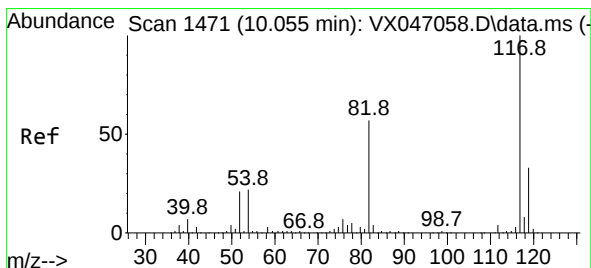
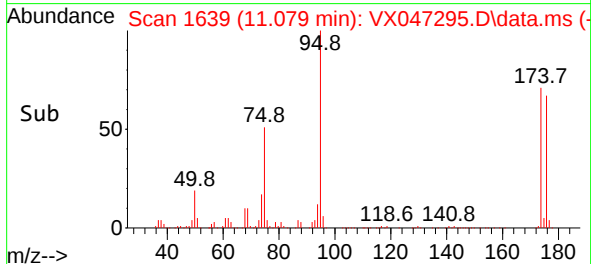
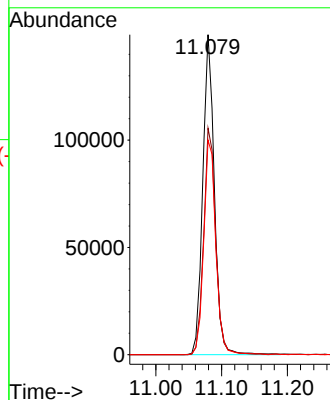
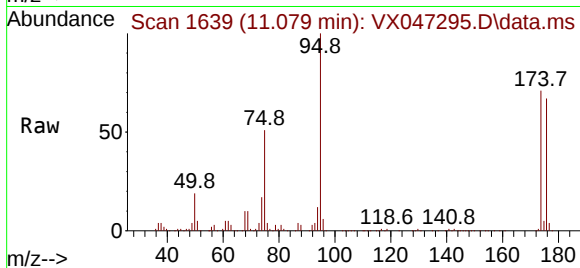
Tgt Ion: 95 Resp: 182279

Ion Ratio Lower Upper

95 100

174 73.9 0.0 144.6

176 70.0 0.0 139.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047295.D

Acq: 12 Aug 2025 14:34

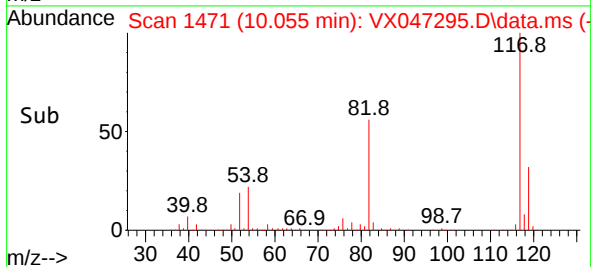
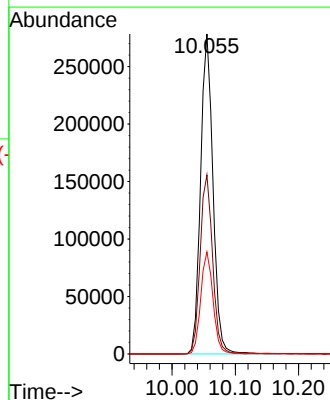
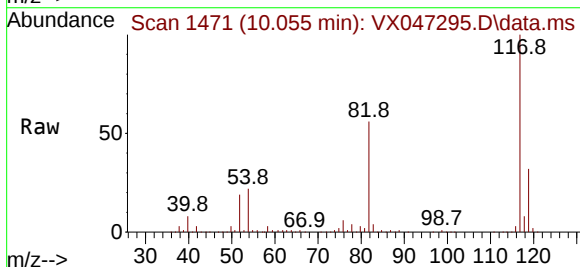
Tgt Ion: 117 Resp: 379612

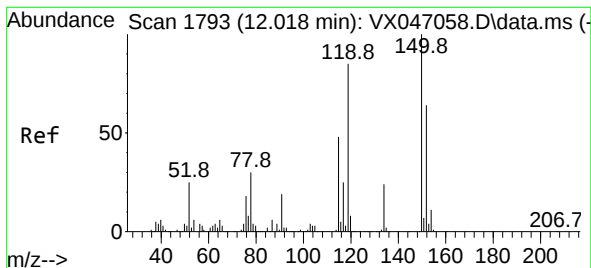
Ion Ratio Lower Upper

117 100

82 55.9 45.4 68.2

119 31.9 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047295.D

Acq: 12 Aug 2025 14:34

Instrument :

MSVOA_X

ClientSampleId :

TW-82H-E

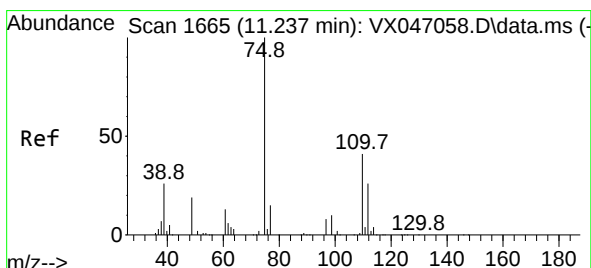
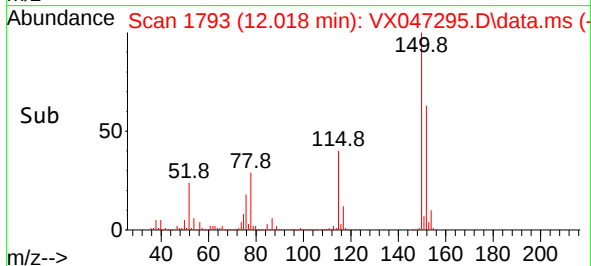
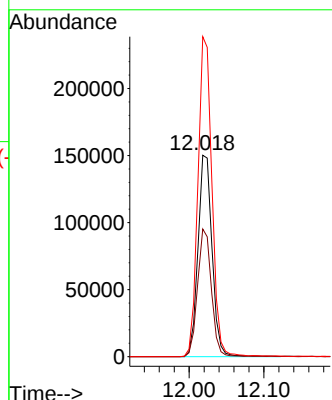
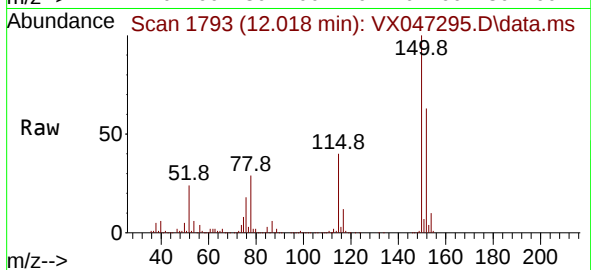
Tgt Ion:152 Resp: 196582

Ion Ratio Lower Upper

152 100

115 62.3 45.6 136.7

150 158.2 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 26.145 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047295.D

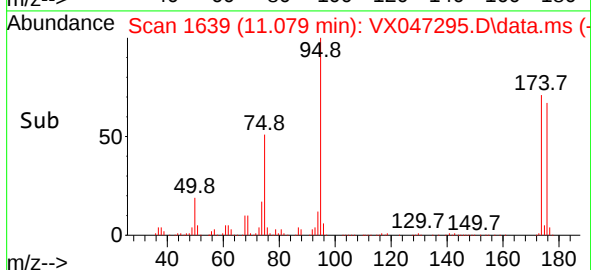
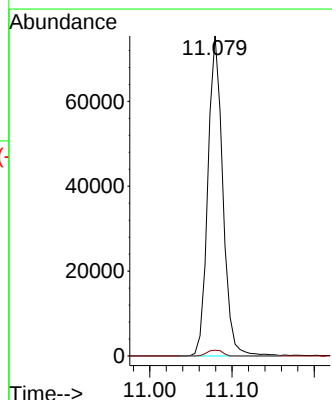
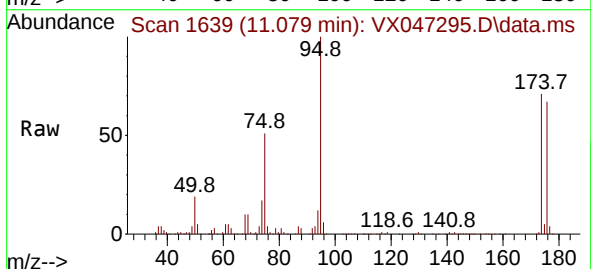
Acq: 12 Aug 2025 14:34

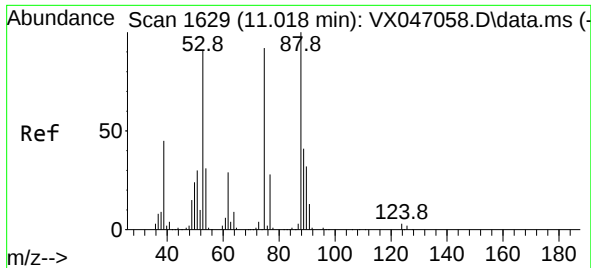
Tgt Ion: 75 Resp: 95131

Ion Ratio Lower Upper

75 100

77 1.9 21.6 65.0#

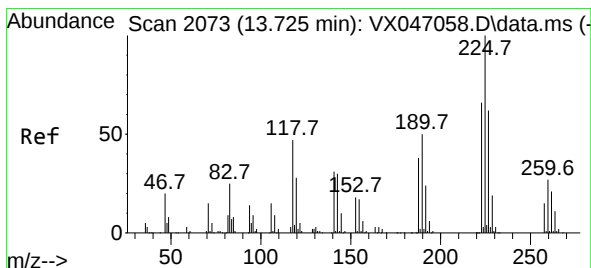
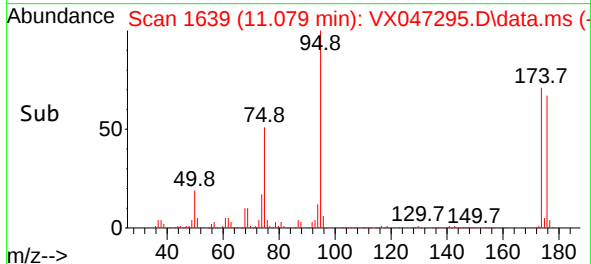
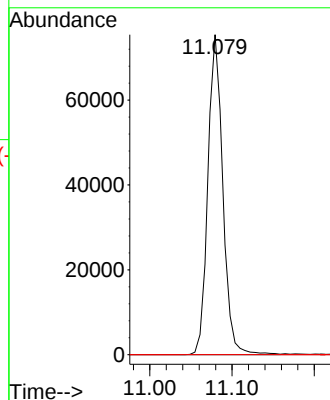
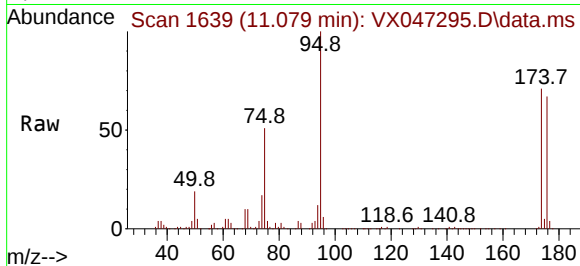




#81
trans-1,4-Dichloro-2-butene
Concen: 67.359 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-E

Tgt Ion: 75 Resp: 95131
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#



#94
Hexachlorobutadiene
Concen: 0.204 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

Tgt Ion: 225 Resp: 309
Ion Ratio Lower Upper
225 100
223 52.4 31.6 95.0
227 42.7 32.9 98.6

