

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100625\
 Data File : VX048023.D
 Acq On : 06 Oct 2025 14:49
 Operator : JC/MD
 Sample : Q3263-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 251818

Quant Time: Oct 07 02:14:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

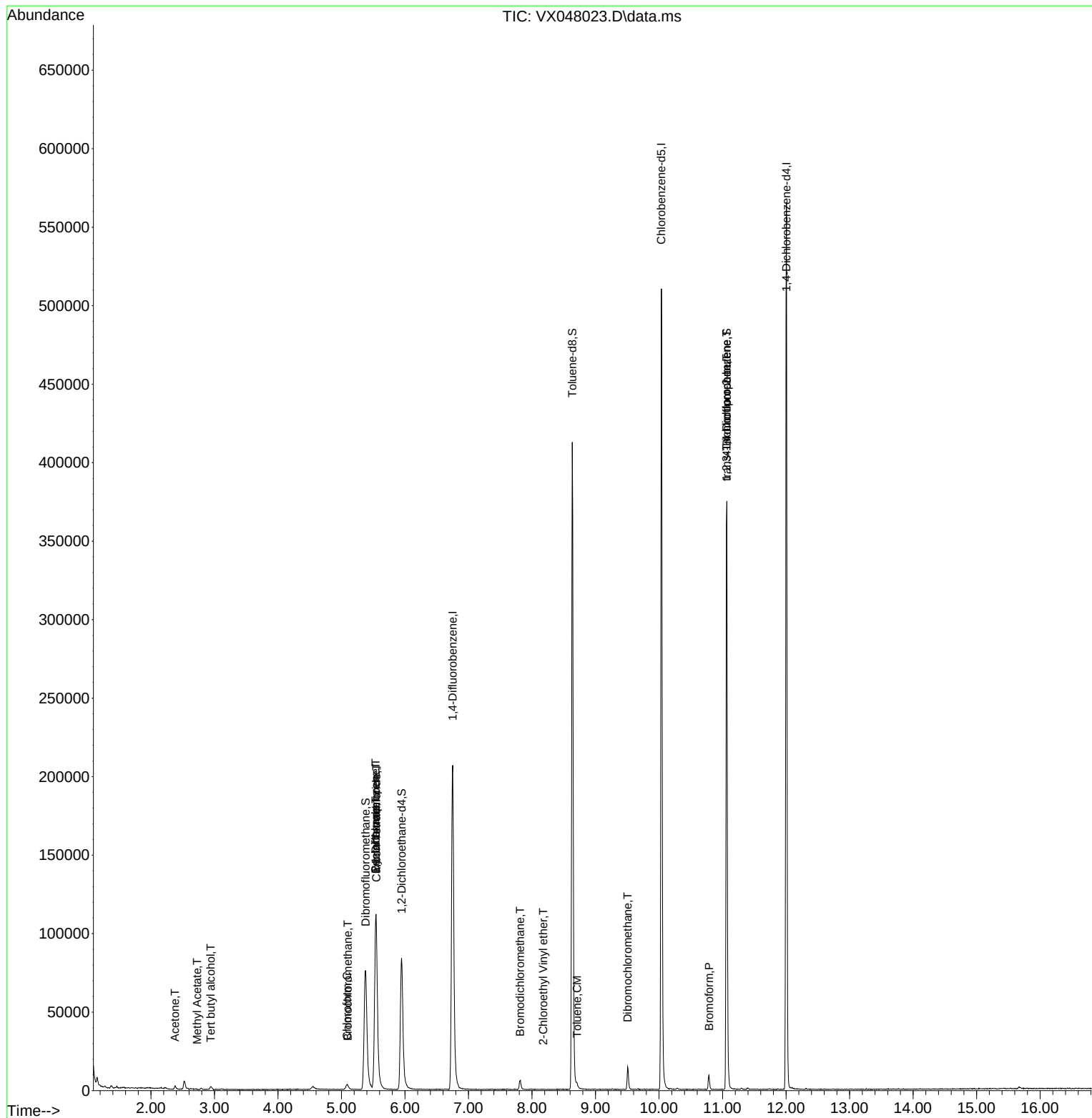
Internal Standards						
1) Pentafluorobenzene	5.537	168	112174	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	225184	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	236785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	118391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	90992	50.961	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.920%	
35) Dibromofluoromethane	5.379	113	74680	49.450	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.900%	
50) Toluene-d8	8.634	98	253923	48.592	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.180%	
62) 4-Bromofluorobenzene	11.067	95	109125	55.024	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.040%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	1106	5.562	ug/l #	72
16) Acetone	2.379	43	2427	3.126	ug/l #	87
18) Methyl Acetate	2.727	43	411	0.238	ug/l #	54
28) Bromochloromethane	5.098	49	293	0.237	ug/l #	15
30) Chloroform	5.086	83	4268	1.491	ug/l	89
31) Cyclohexane	5.537	56	2510	1.064	ug/l #	7
36) 1,1-Dichloropropene	5.537	75	9480	4.296	ug/l #	51
38) Carbon Tetrachloride	5.550	117	11219	4.679	ug/l #	17
47) Bromodichloromethane	7.811	83	4455	1.729	ug/l	95
52) Toluene	8.708	92	933	0.226	ug/l #	62
58) 2-Chloroethyl Vinyl ether	8.177	63	124	7.997	ug/l #	47
60) Dibromochloromethane	9.506	129	7005	3.818	ug/l	98
71) Bromoform	10.786	173	3741	2.699	ug/l #	98
76) 1,2,3-Trichloropropane	11.061	75	57410	23.950	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	57410	61.077	ug/l #	8

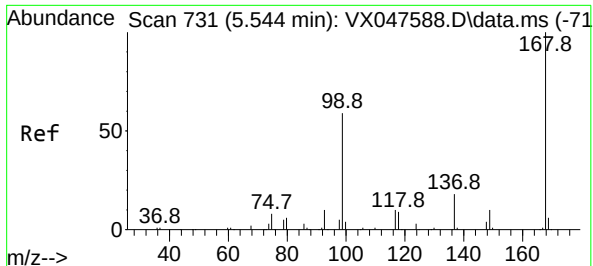
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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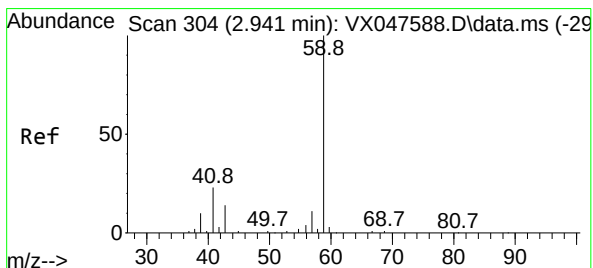
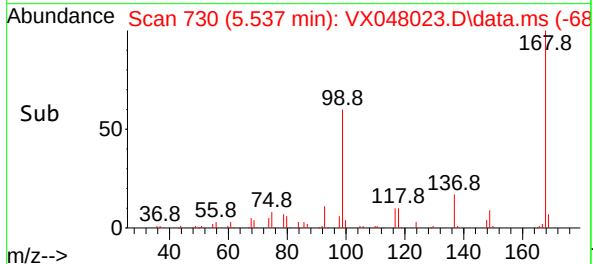
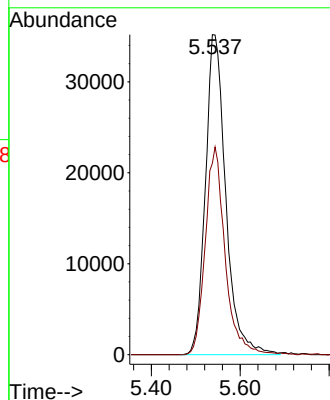
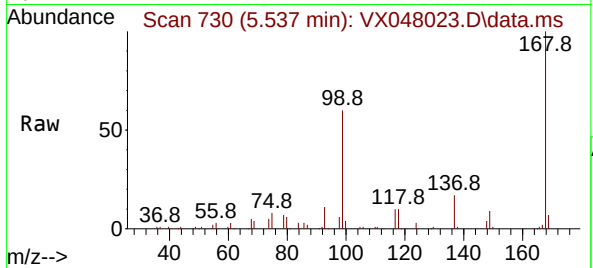




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX048023.D
Acq: 06 Oct 2025 14:49

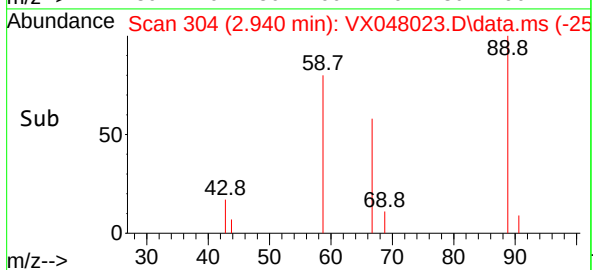
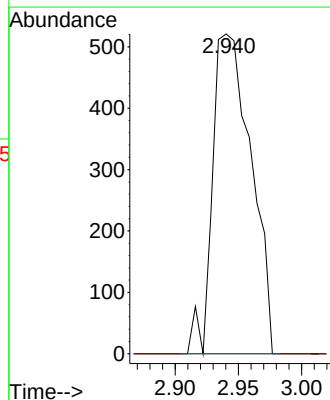
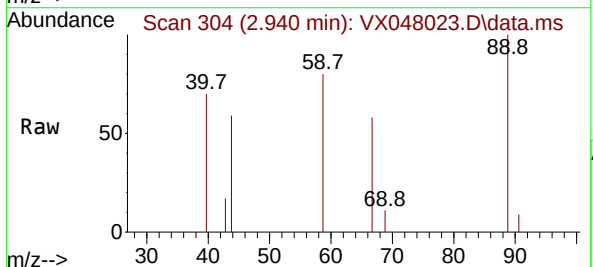
Instrument :
MSVOA_X
ClientSampleId :
251818

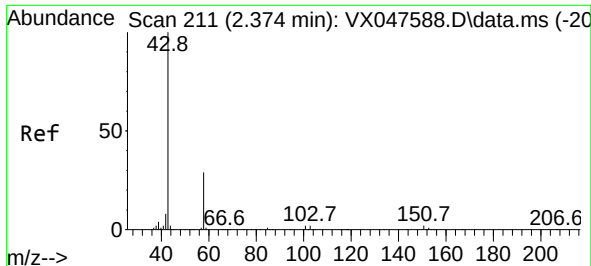
Tgt Ion:168 Resp: 112174
Ion Ratio Lower Upper
168 100
99 59.8 48.8 73.2



#11
Tert butyl alcohol
Concen: 5.562 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX048023.D
Acq: 06 Oct 2025 14:49

Tgt Ion: 59 Resp: 1106
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

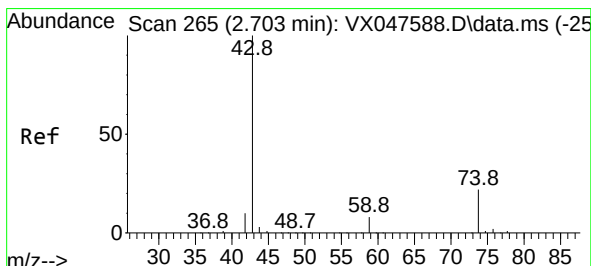
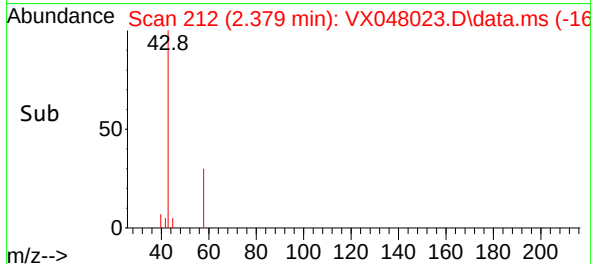
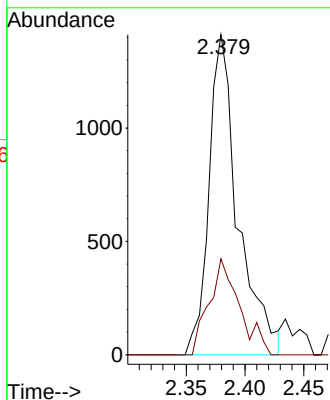
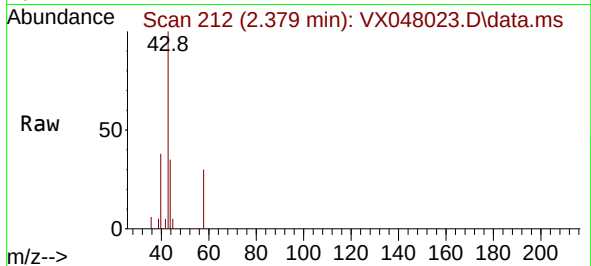




#16
Acetone
Concen: 3.126 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048023.D
Acq: 06 Oct 2025 14:49

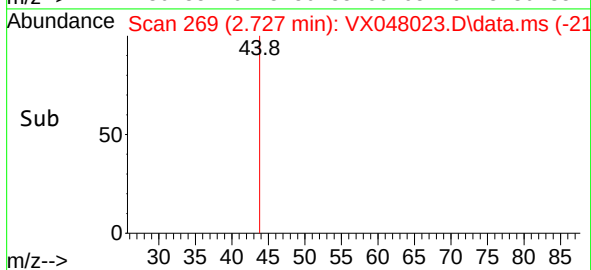
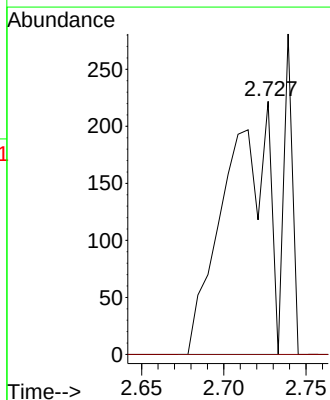
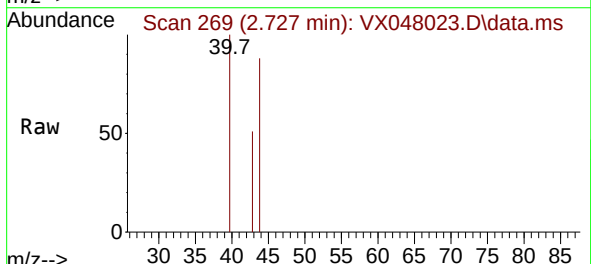
Instrument :
MSVOA_X
ClientSampleId :
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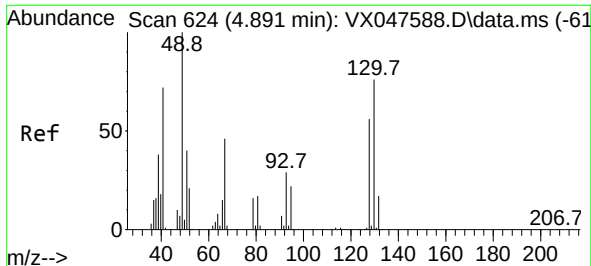
Tgt Ion: 43 Resp: 2427
Ion Ratio Lower Upper
43 100
58 22.2 23.4 35.0#



#18
Methyl Acetate
Concen: 0.238 ug/l
RT: 2.727 min Scan# 269
Delta R.T. 0.024 min
Lab File: VX048023.D
Acq: 06 Oct 2025 14:49

Tgt Ion: 43 Resp: 411
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#

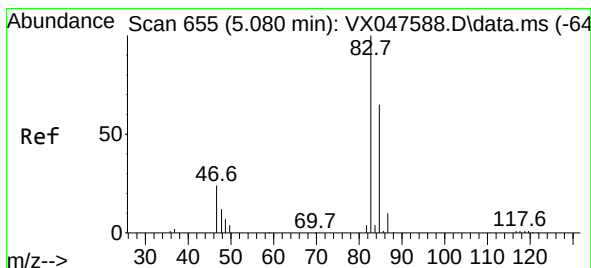
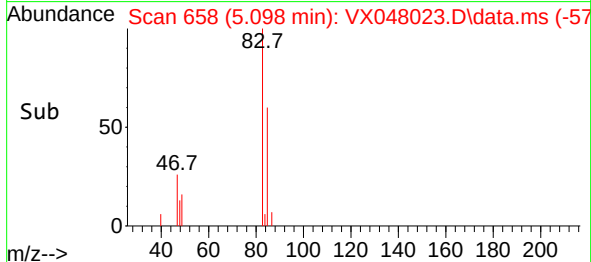
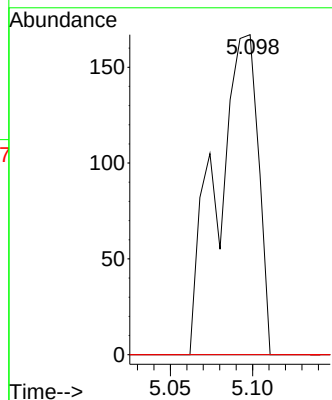
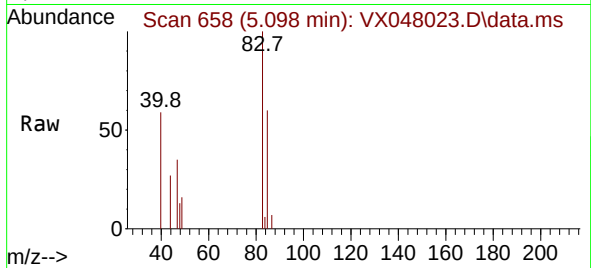




#28
Bromochloromethane
Concen: 0.237 ug/l
RT: 5.098 min Scan# 61
Delta R.T. 0.207 min
Lab File: VX048023.D
Acq: 06 Oct 2025 14:49

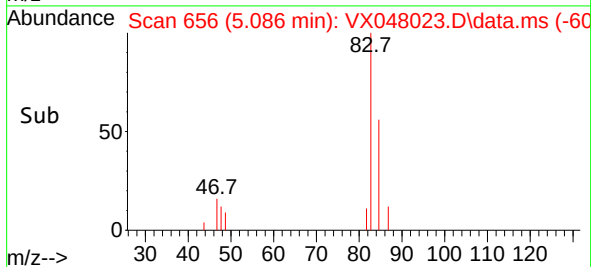
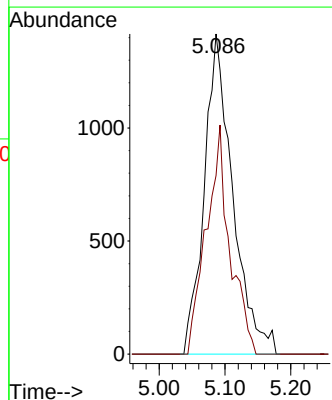
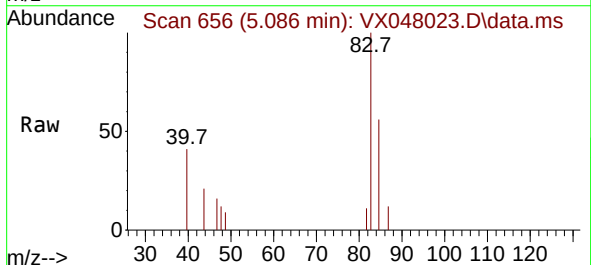
Instrument :
MSVOA_X
ClientSampleId :
251818

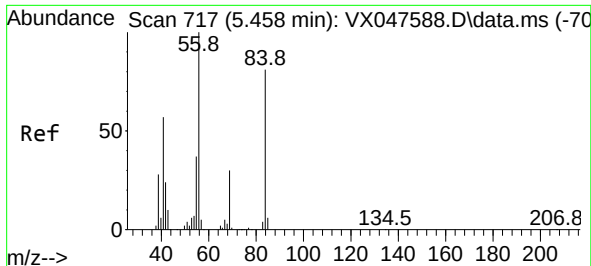
Tgt Ion: 49 Resp: 293
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.2
130 0.0 57.8 86.8#



#30
Chloroform
Concen: 1.491 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX048023.D
Acq: 06 Oct 2025 14:49

Tgt Ion: 83 Resp: 4268
Ion Ratio Lower Upper
83 100
85 55.8 51.8 77.6

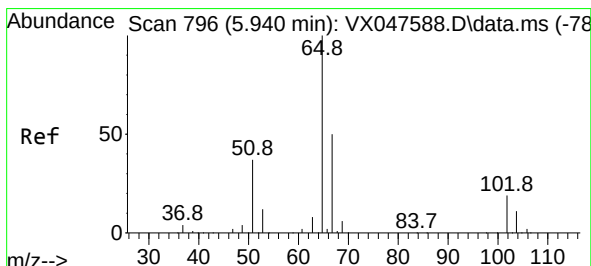
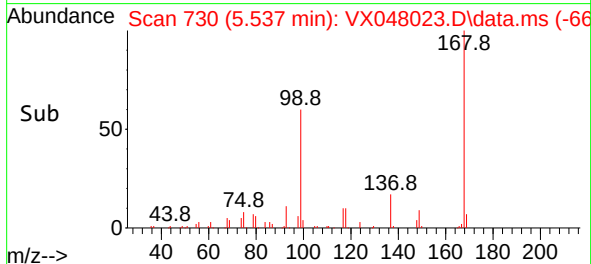
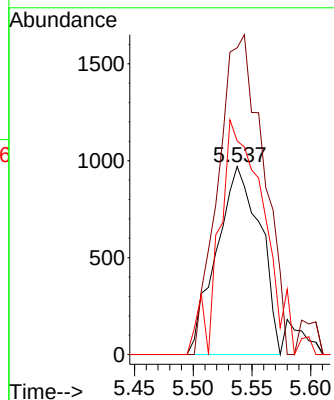
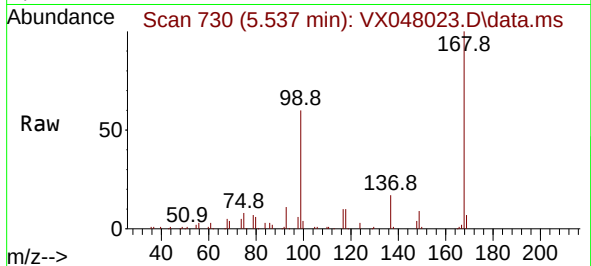




#31
Cyclohexane
Concen: 1.064 ug/l
RT: 5.537 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX048023.D
Acq: 06 Oct 2025 14:49

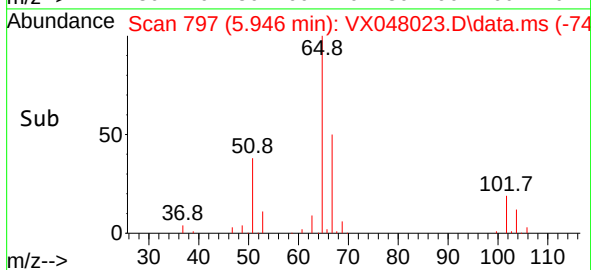
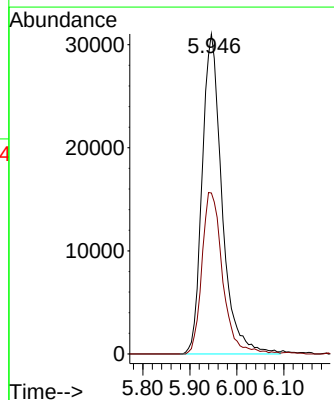
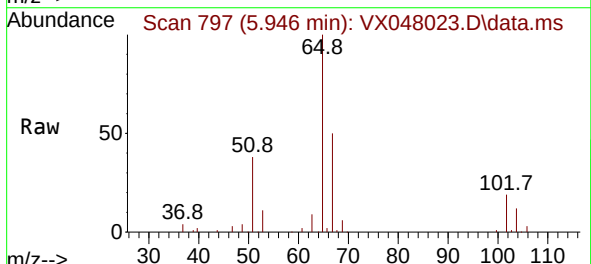
Instrument :
MSVOA_X
ClientSampleId :
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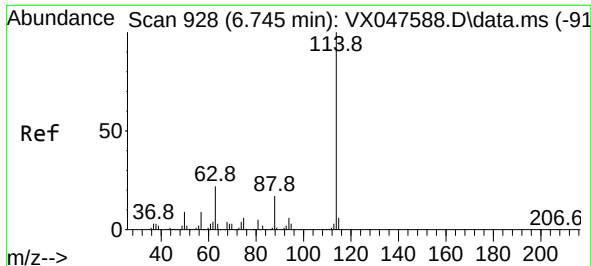
Tgt Ion: 56 Resp: 2510
Ion Ratio Lower Upper
56 100
69 163.1 23.8 35.8#
84 113.6 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 50.961 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048023.D
Acq: 06 Oct 2025 14:49

Tgt Ion: 65 Resp: 90992
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.0

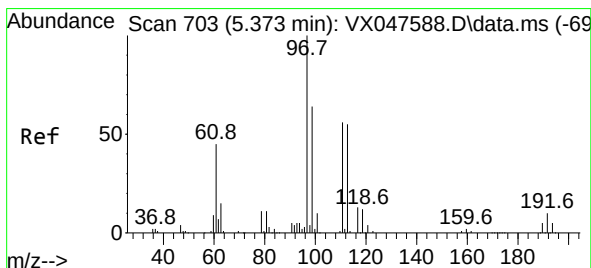
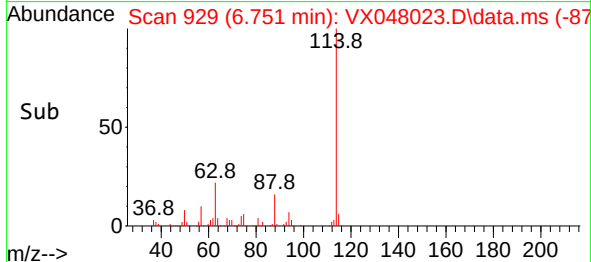
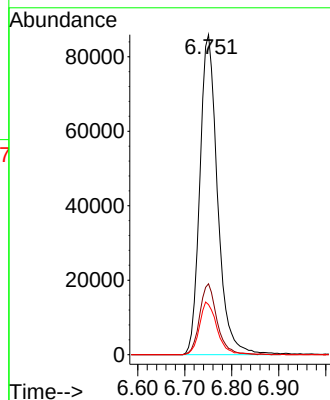
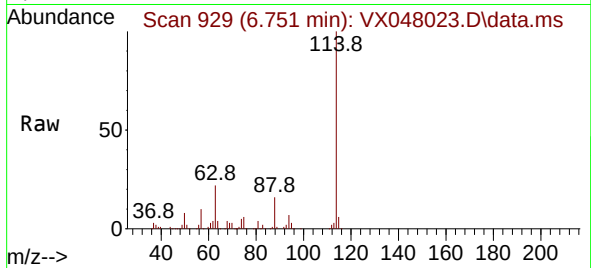




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048023.D
Acq: 06 Oct 2025 14:49

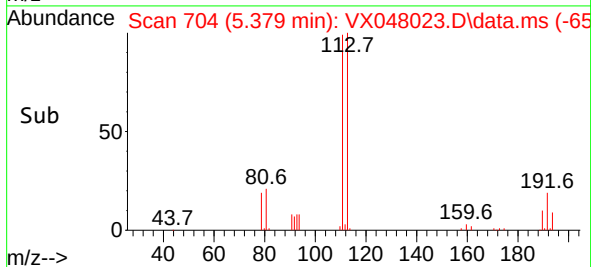
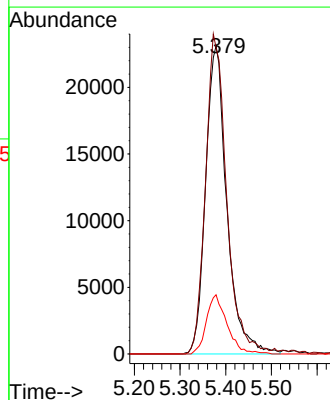
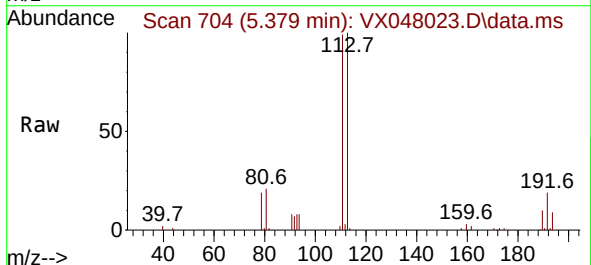
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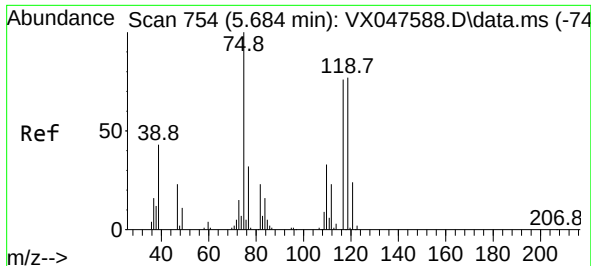
Tgt Ion:114 Resp: 225184
Ion Ratio Lower Upper
114 100
63 22.1 0.0 44.0
88 15.7 0.0 34.2



#35
Dibromofluoromethane
Concen: 49.450 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048023.D
Acq: 06 Oct 2025 14:49

Tgt Ion:113 Resp: 74680
Ion Ratio Lower Upper
113 100
111 103.1 80.9 121.3
192 18.7 14.2 21.4

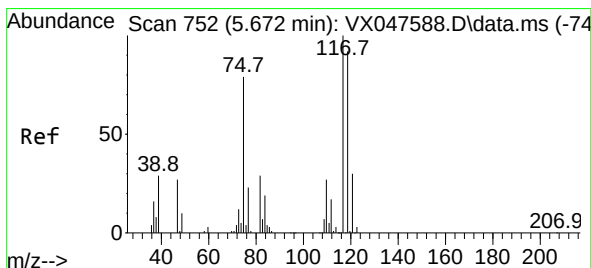
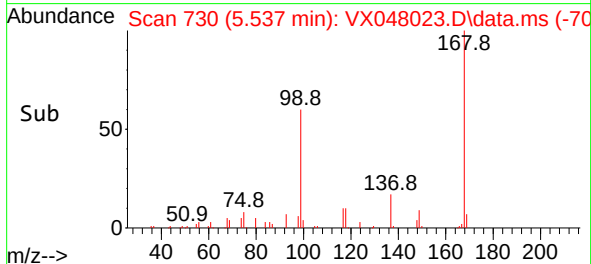
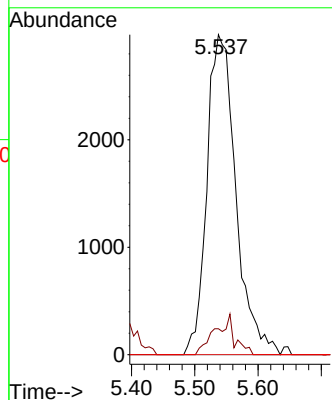
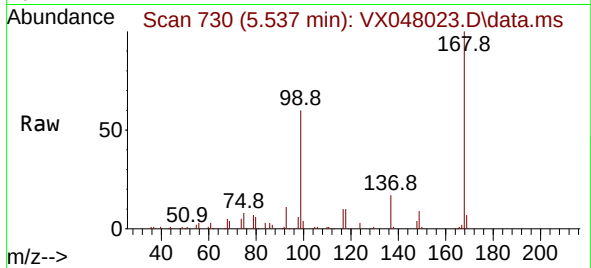




#36
1,1-Dichloropropene
Concen: 4.296 ug/l
RT: 5.537 min Scan# 711
Delta R.T. -0.147 min
Lab File: VX048023.D
Acq: 06 Oct 2025 14:49

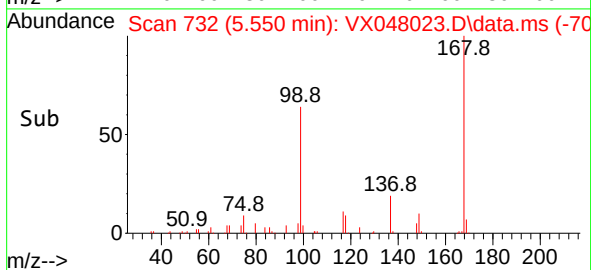
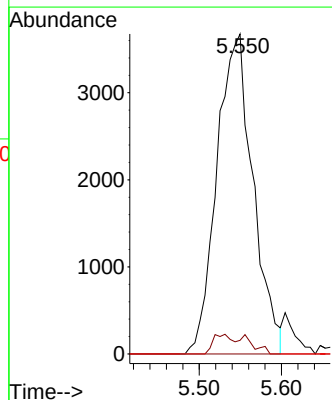
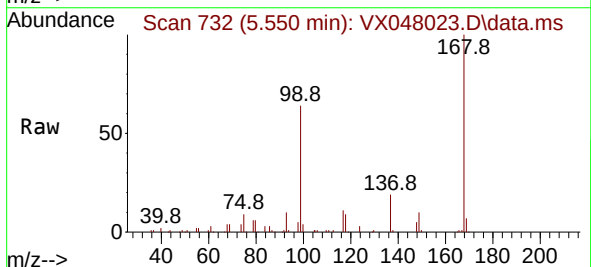
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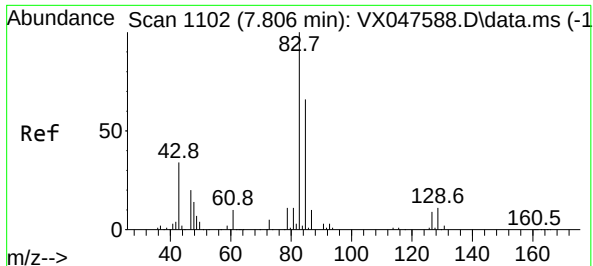
Tgt Ion: 75 Resp: 9480
Ion Ratio Lower Upper
75 100
110 8.5 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.679 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX048023.D
Acq: 06 Oct 2025 14:49

Tgt Ion: 117 Resp: 11219
Ion Ratio Lower Upper
117 100
119 4.3 73.4 110.2#
121 0.0 23.8 35.6#

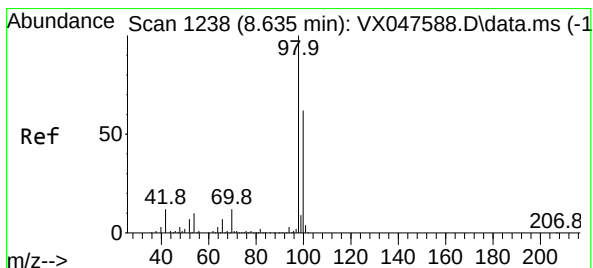
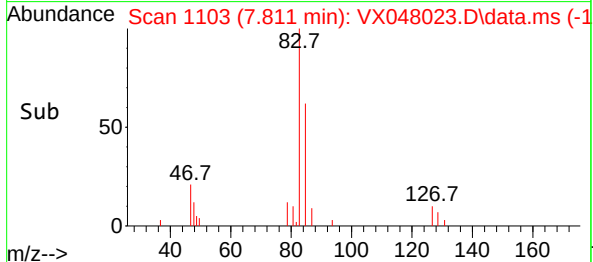
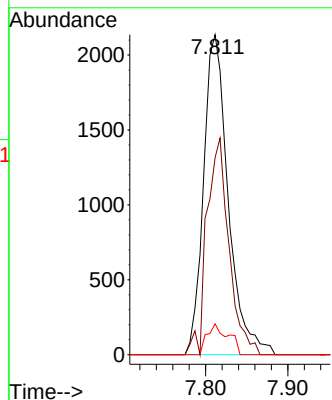
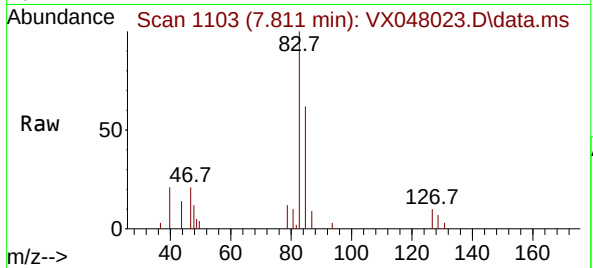




#47
 Bromodichloromethane
 Concen: 1.729 ug/l
 RT: 7.811 min Scan# 1102
 Delta R.T. 0.006 min
 Lab File: VX048023.D
 Acq: 06 Oct 2025 14:49

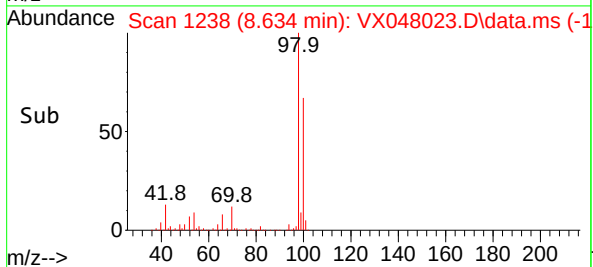
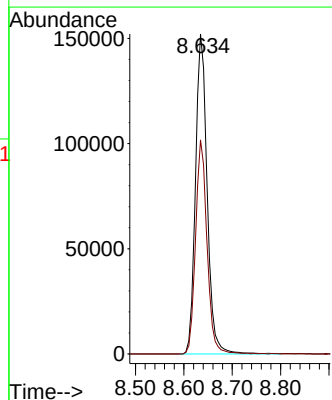
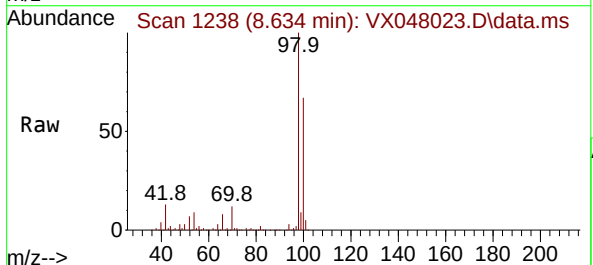
Instrument :
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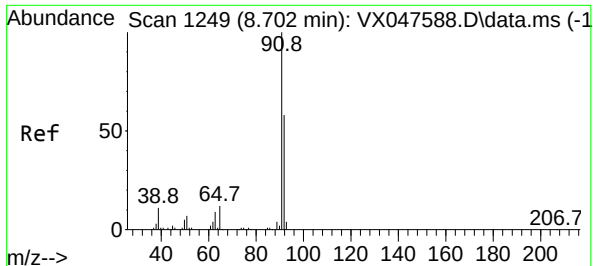
Tgt Ion: 83 Resp: 4455
 Ion Ratio Lower Upper
 83 100
 85 61.6 52.5 78.7
 127 9.6 6.9 10.3



#50
 Toluene-d8
 Concen: 48.592 ug/l
 RT: 8.634 min Scan# 1238
 Delta R.T. -0.000 min
 Lab File: VX048023.D
 Acq: 06 Oct 2025 14:49

Tgt Ion: 98 Resp: 253923
 Ion Ratio Lower Upper
 98 100
 100 65.7 53.0 79.4

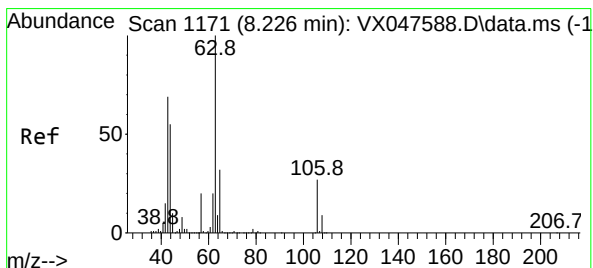
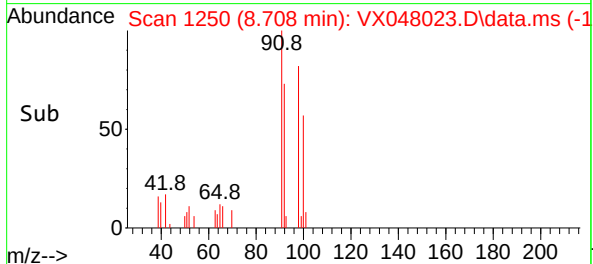
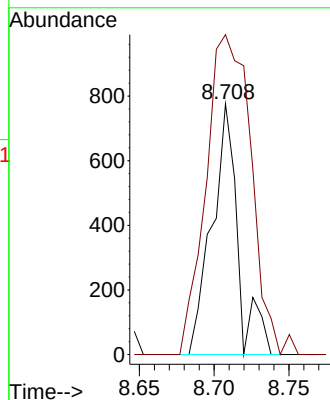
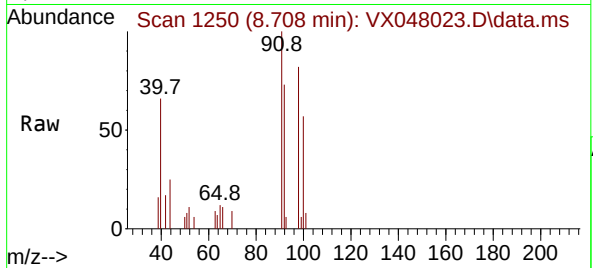




#52
Toluene
Concen: 0.226 ug/l
RT: 8.708 min Scan# 1163
Delta R.T. 0.006 min
Lab File: VX048023.D
Acq: 06 Oct 2025 14:49

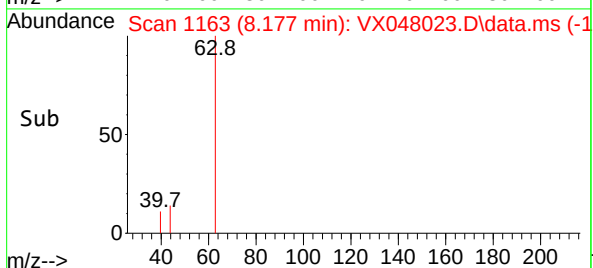
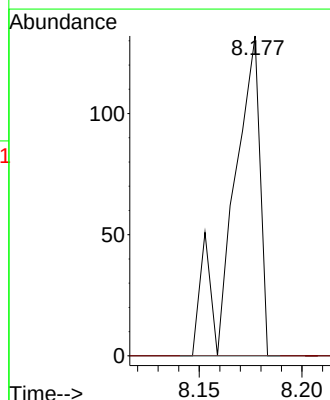
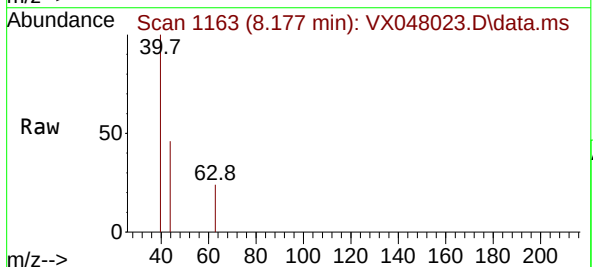
Instrument :
MSVOA_X
ClientSampleId :
251818

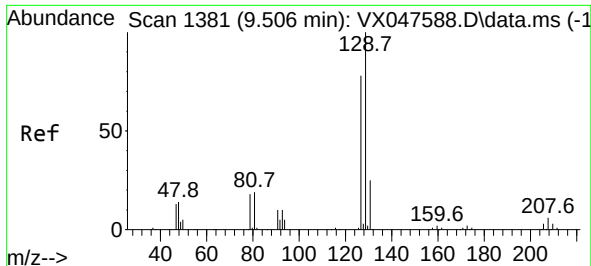
Tgt Ion: 92 Resp: 933
Ion Ratio Lower Upper
92 100
91 223.0 137.1 205.7#



#58
2-Chloroethyl Vinyl ether
Concen: 7.997 ug/l
RT: 8.177 min Scan# 1163
Delta R.T. -0.049 min
Lab File: VX048023.D
Acq: 06 Oct 2025 14:49

Tgt Ion: 63 Resp: 124
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#

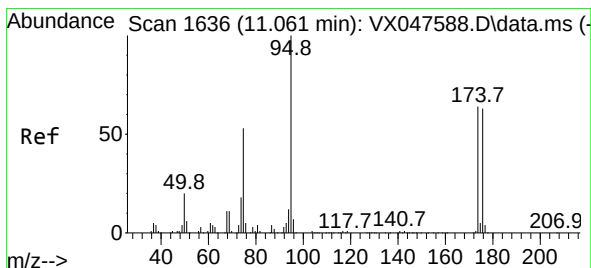
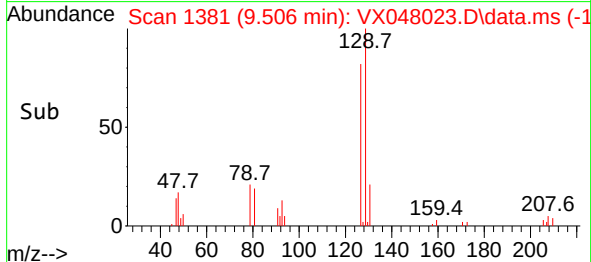
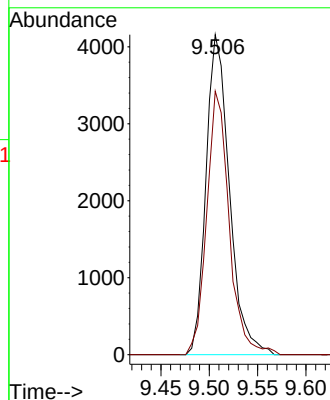
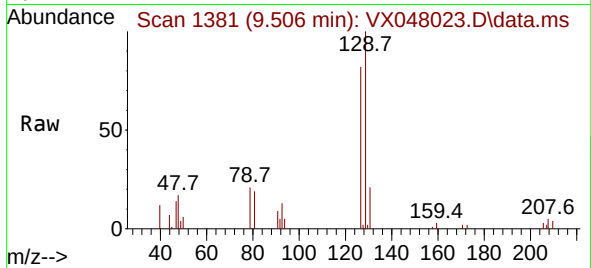




#60
Dibromochloromethane
Concen: 3.818 ug/l
RT: 9.506 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048023.D
Acq: 06 Oct 2025 14:49

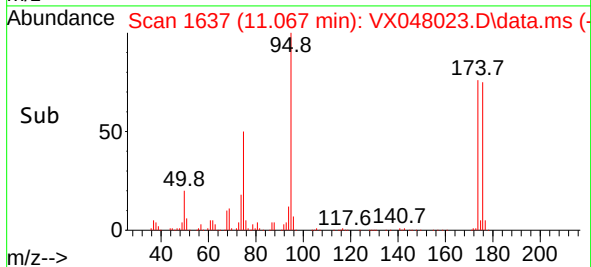
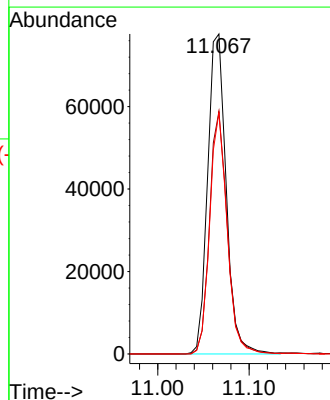
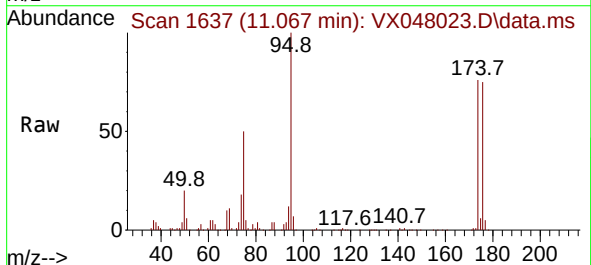
Instrument :
MSVOA_X
ClientSampleId :
251818

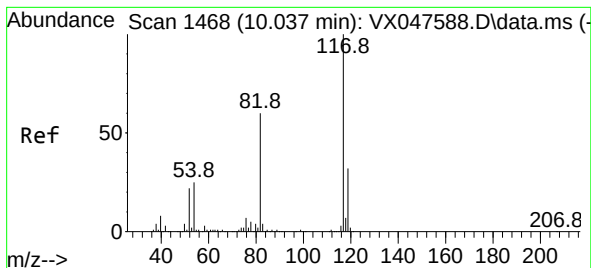
Tgt Ion:129 Resp: 7005
Ion Ratio Lower Upper
129 100
127 78.9 38.4 115.2



#62
4-Bromofluorobenzene
Concen: 55.024 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048023.D
Acq: 06 Oct 2025 14:49

Tgt Ion: 95 Resp: 109125
Ion Ratio Lower Upper
95 100
174 72.5 0.0 141.6
176 70.8 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048023.D

Acq: 06 Oct 2025 14:49

Instrument :

MSVOA_X

ClientSampleId :

251818

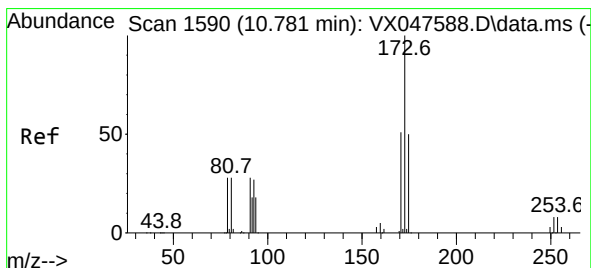
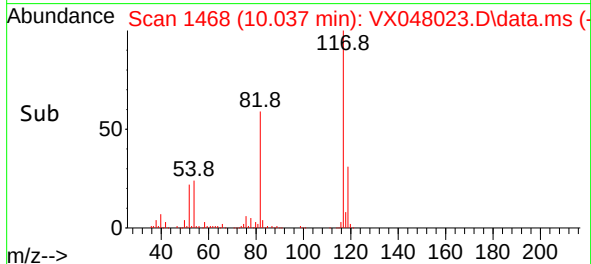
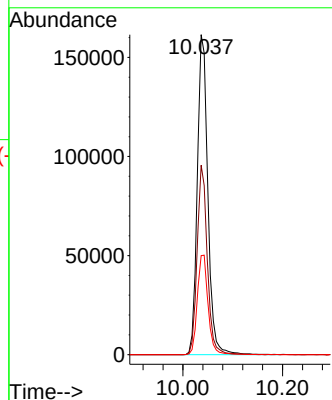
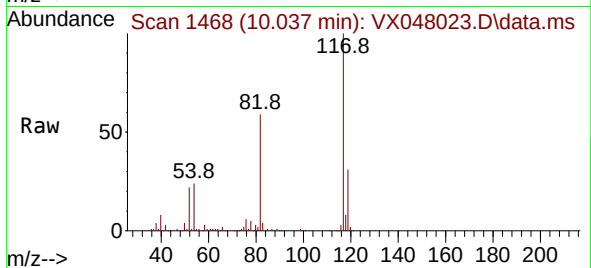
Tgt Ion:117 Resp: 236785

Ion Ratio Lower Upper

117 100

82 59.2 47.8 71.6

119 31.0 25.2 37.8



#71

Bromoform

Concen: 2.699 ug/l

RT: 10.786 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VX048023.D

Acq: 06 Oct 2025 14:49

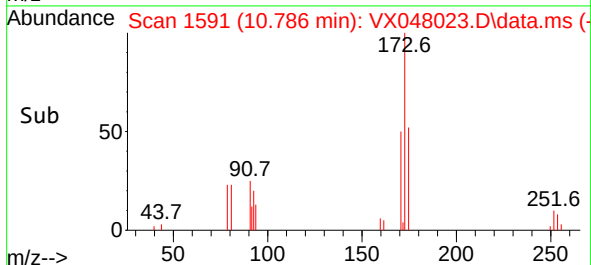
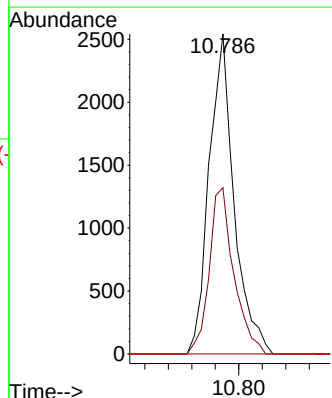
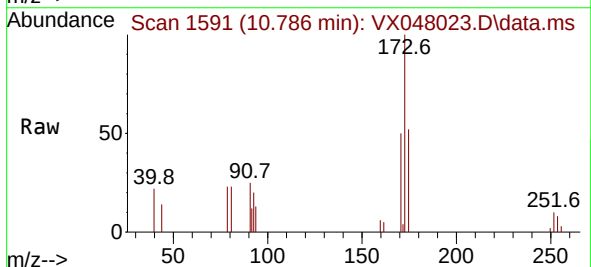
Tgt Ion:173 Resp: 3741

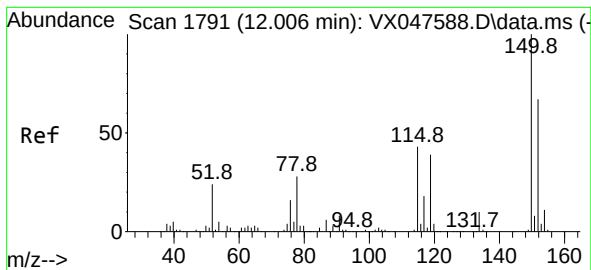
Ion Ratio Lower Upper

173 100

175 51.2 24.9 74.6

254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048023.D

Acq: 06 Oct 2025 14:49

Instrument :

MSVOA_X

ClientSampleId :

251818

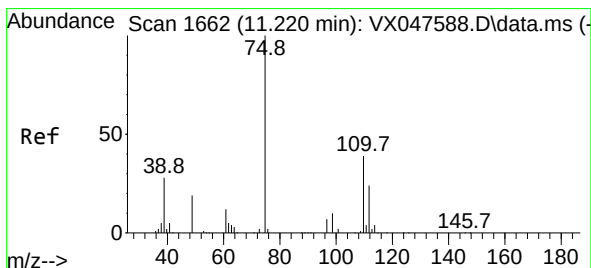
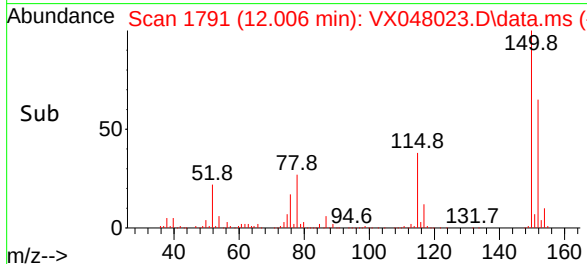
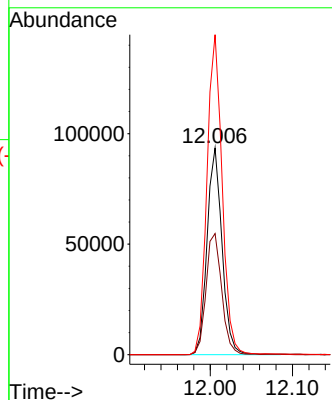
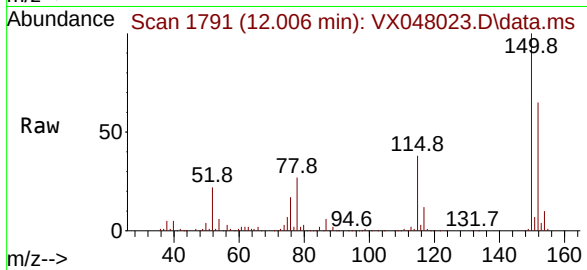
Tgt Ion:152 Resp: 118391

Ion Ratio Lower Upper

152 100

115 61.4 44.9 134.5

150 156.4 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 23.950 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX048023.D

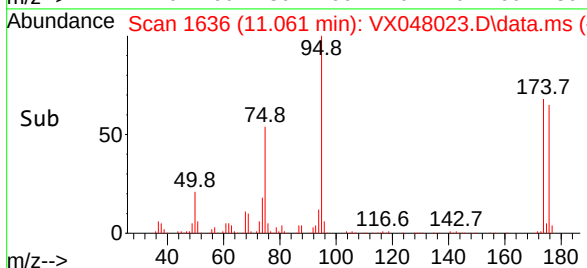
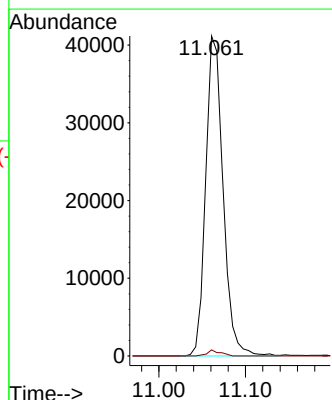
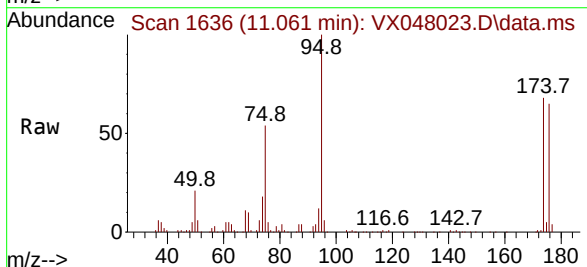
Acq: 06 Oct 2025 14:49

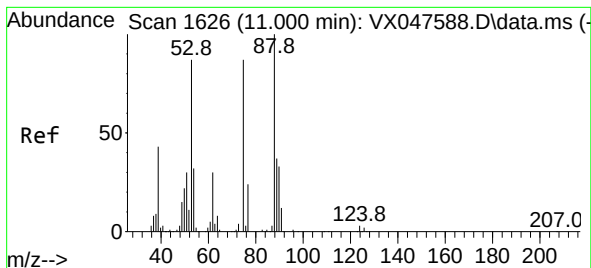
Tgt Ion: 75 Resp: 57410

Ion Ratio Lower Upper

75 100

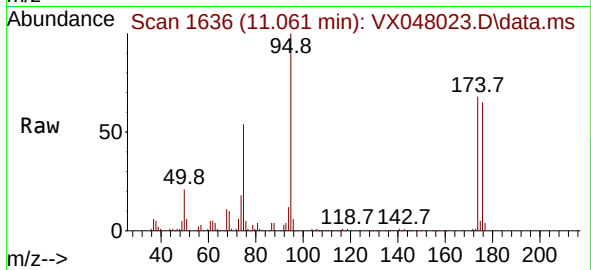
77 1.4 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.077 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048023.D
 Acq: 06 Oct 2025 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 251818



Tgt Ion: 75 Resp: 57410
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

