

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
 Data File : VX047113.D
 Acq On : 24 Jul 2025 12:45
 Operator : JC/MD
 Sample : Q2682-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 25 01:22:05 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)

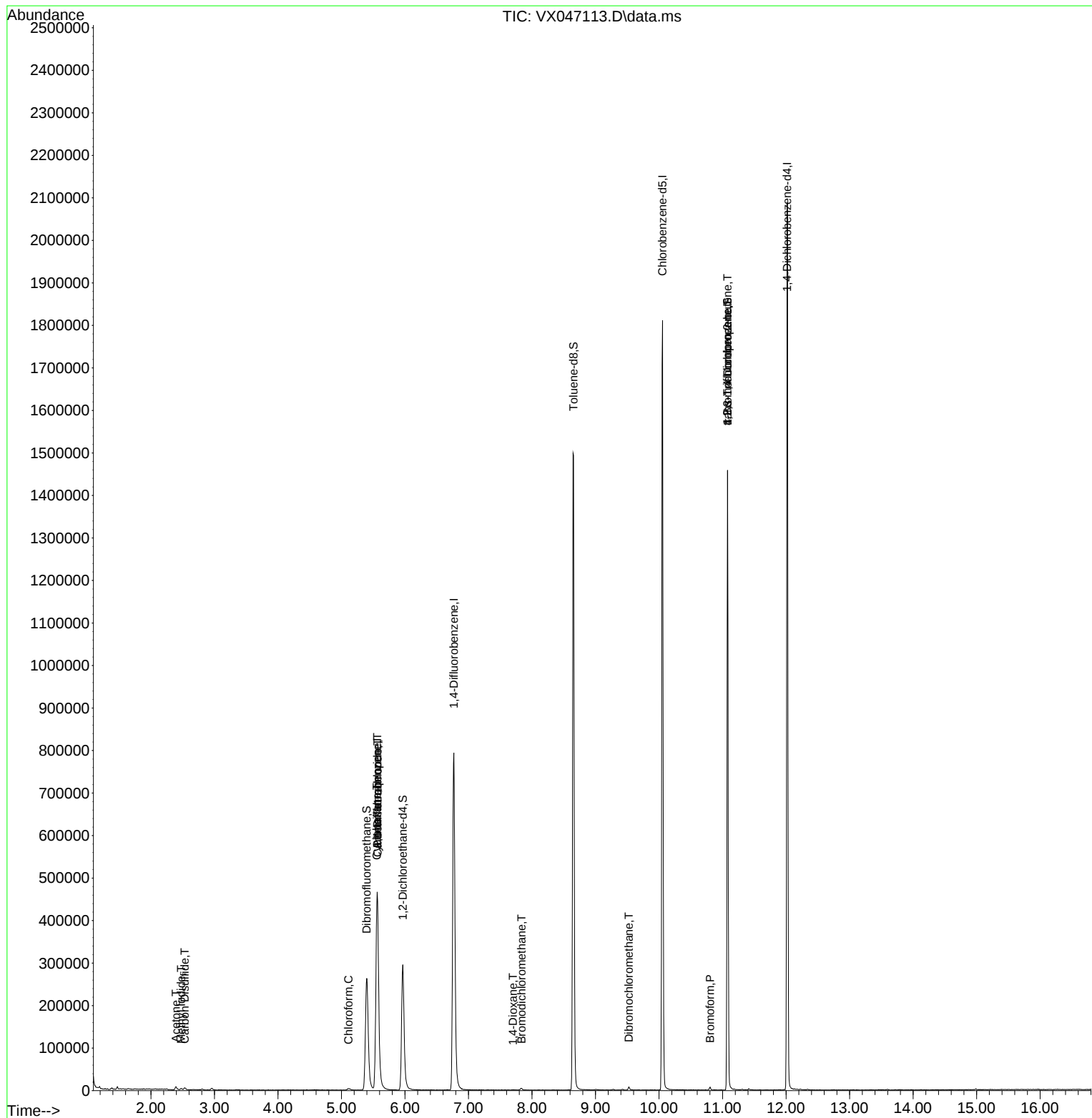
Internal Standards						
1) Pentafluorobenzene	5.562	168	461003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	847282	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	804780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	404154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	309670	53.925	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 107.840%		
35) Dibromofluoromethane	5.397	113	251712	48.116	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 96.240%		
50) Toluene-d8	8.653	98	908430	53.621	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 107.240%		
62) 4-Bromofluorobenzene	11.079	95	378842	51.889	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 103.780%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.477	142	4532	0.760	ug/l #	89
11) Tert butyl alcohol	2.959	59	1220	Below Cal	#	93
16) Acetone	2.392	43	11498	4.998	ug/l #	75
17) Carbon Disulfide	2.532	76	3508	0.209	ug/l #	76
30) Chloroform	5.111	83	4654	0.408	ug/l	100
31) Cyclohexane	5.556	56	10469	0.975	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	40747	4.569	ug/l #	50
38) Carbon Tetrachloride	5.568	117	47986	5.042	ug/l #	16
47) Bromodichloromethane	7.836	83	3261	0.338	ug/l	94
49) 1,4-Dioxane	7.702	88	515	6.489	ug/l #	46
60) Dibromochloromethane	9.525	129	3309	0.474	ug/l	89
71) Bromoform	10.805	173	2790	0.579	ug/l #	95
76) 1,2,3-Trichloropropane	11.079	75	195682	26.158	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	195682	67.394	ug/l #	8

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

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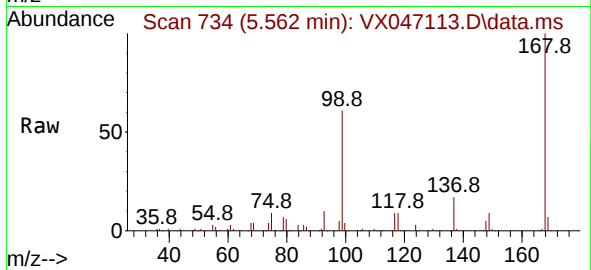
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



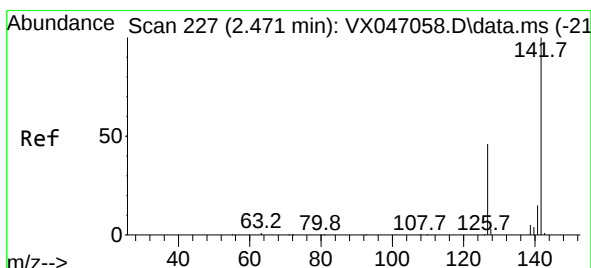
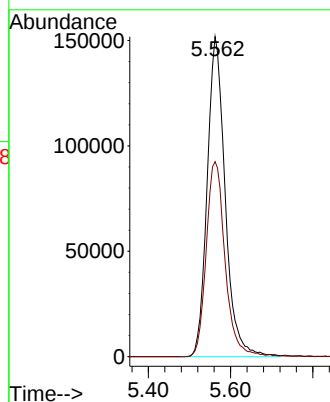
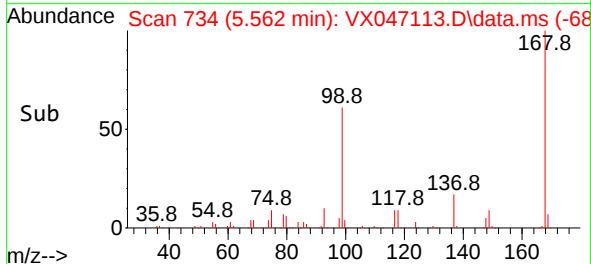


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047113.D
Acq: 24 Jul 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :

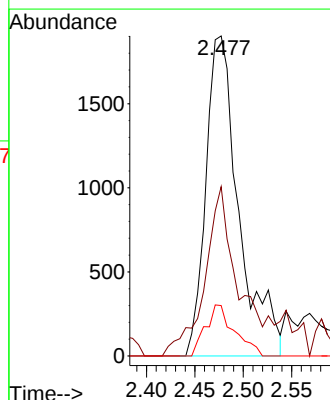
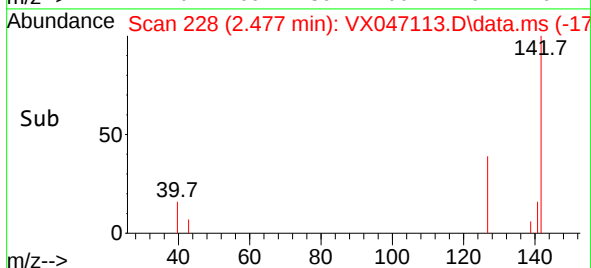
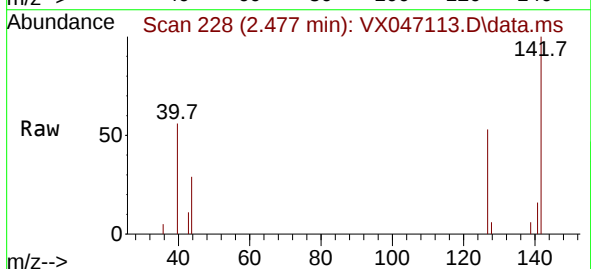


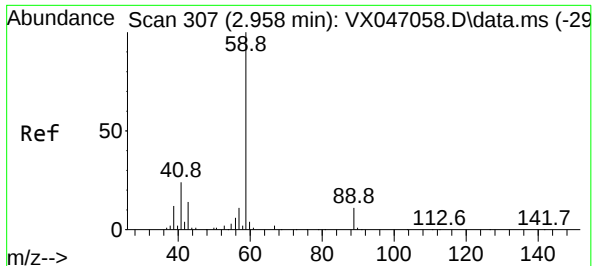
Tgt Ion:168 Resp: 461003
Ion Ratio Lower Upper
168 100
99 60.9 48.0 72.0



#10
Methyl Iodide
Concen: 0.760 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047113.D
Acq: 24 Jul 2025 12:45

Tgt Ion:142 Resp: 4532
Ion Ratio Lower Upper
142 100
127 55.1 36.6 54.8#
141 13.8 10.9 16.3

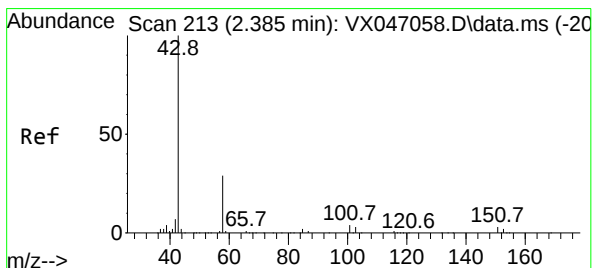
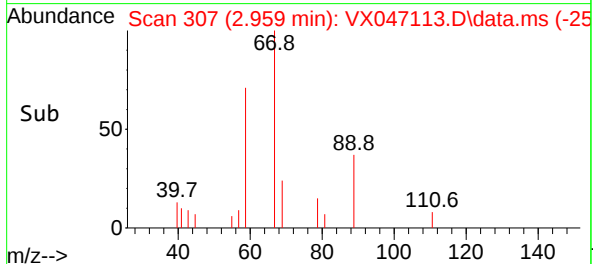
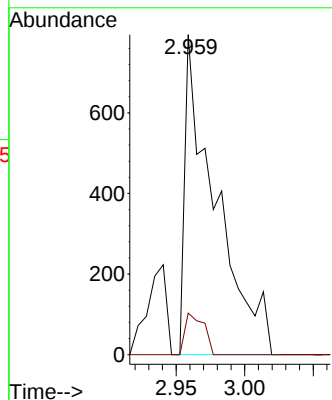
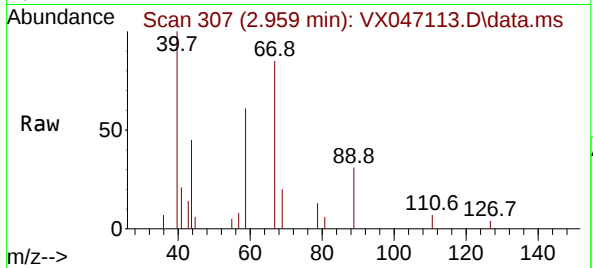




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX047113.D
Acq: 24 Jul 2025 12:45

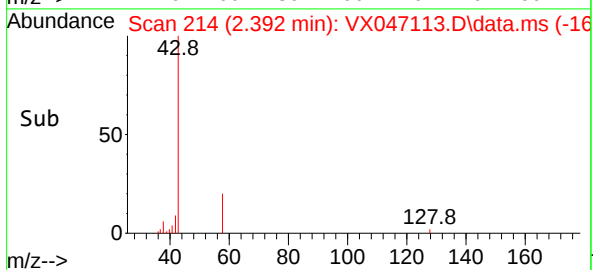
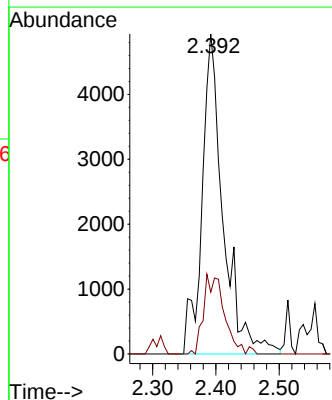
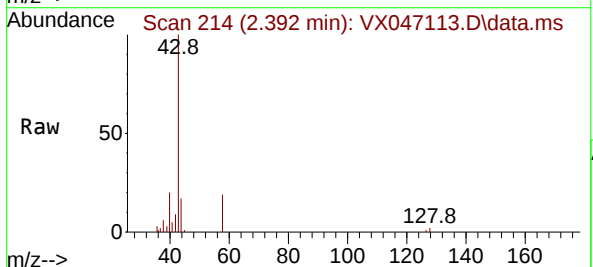
Instrument :
MSVOA_X
ClientSampleId :

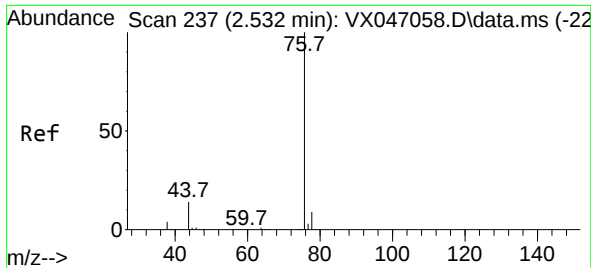
Tgt Ion: 59 Resp: 1220
Ion Ratio Lower Upper
59 100
57 8.0 8.5 12.7#



#16
Acetone
Concen: 4.998 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047113.D
Acq: 24 Jul 2025 12:45

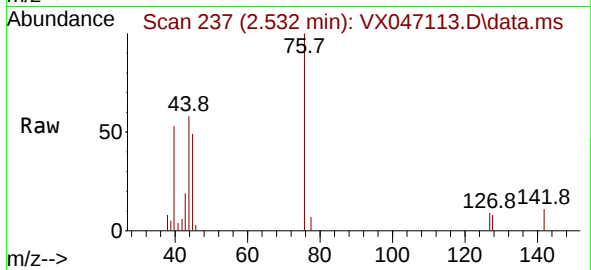
Tgt Ion: 43 Resp: 11498
Ion Ratio Lower Upper
43 100
58 16.5 24.0 36.0#



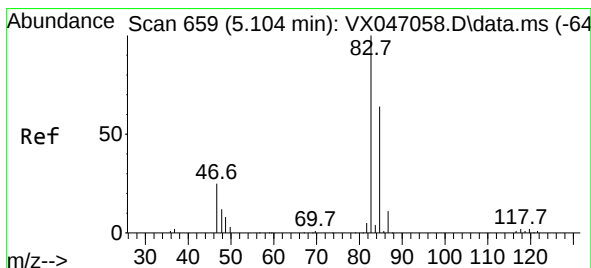
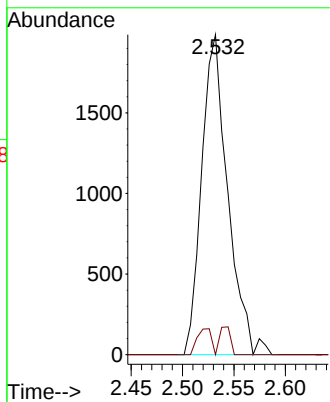
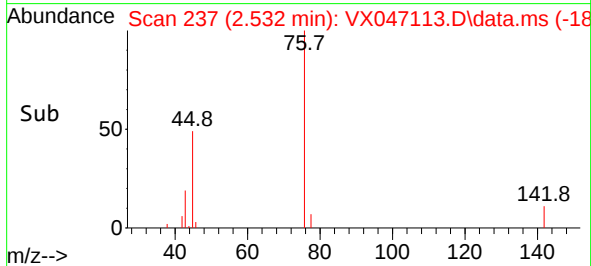


#17
Carbon Disulfide
Concen: 0.209 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047113.D
Acq: 24 Jul 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :

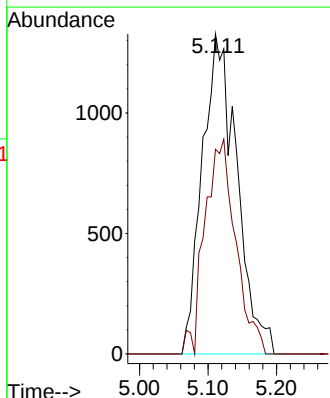
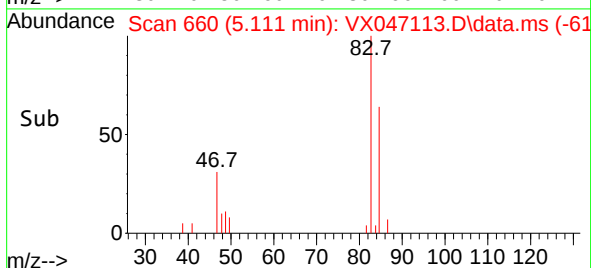
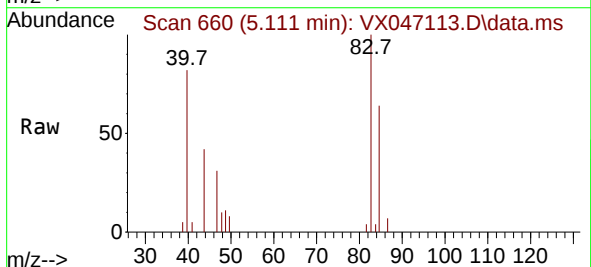


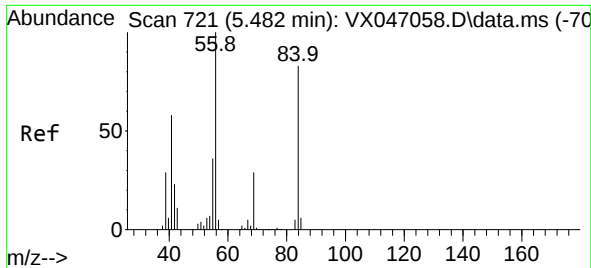
Tgt Ion: 76 Resp: 3508
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#30
Chloroform
Concen: 0.408 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.006 min
Lab File: VX047113.D
Acq: 24 Jul 2025 12:45

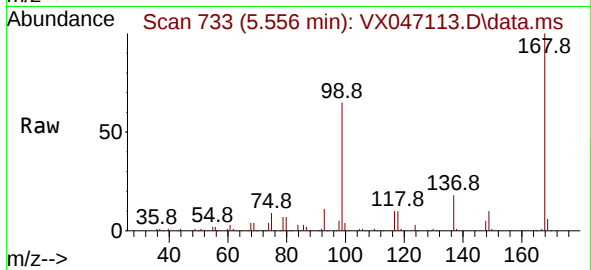
Tgt Ion: 83 Resp: 4654
Ion Ratio Lower Upper
83 100
85 63.9 50.9 76.3



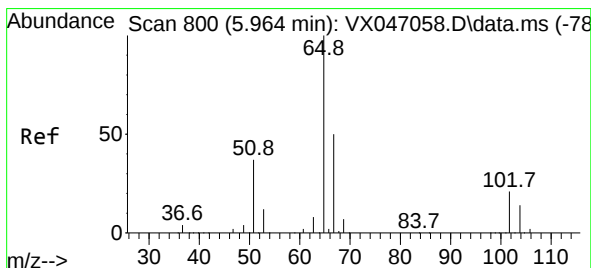
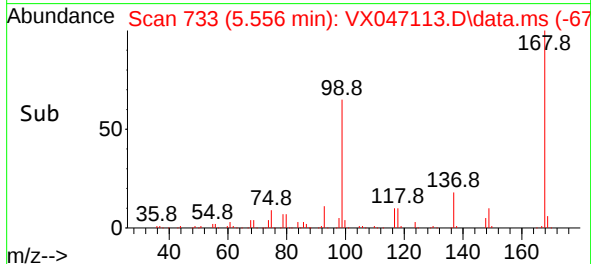
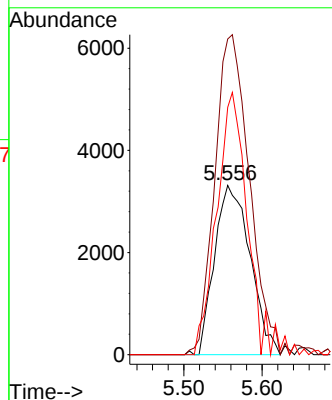


#31
Cyclohexane
Concen: 0.975 ug/l
RT: 5.556 min Scan# 713
Delta R.T. 0.074 min
Lab File: VX047113.D
Acq: 24 Jul 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :

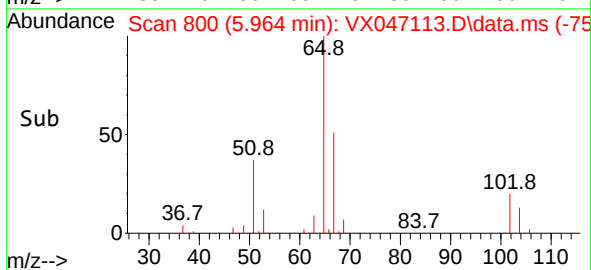
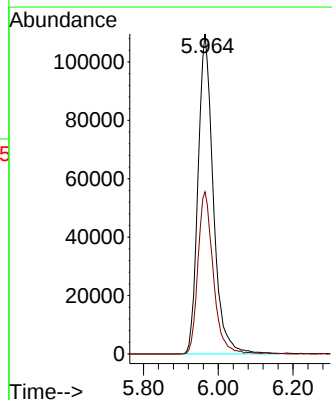
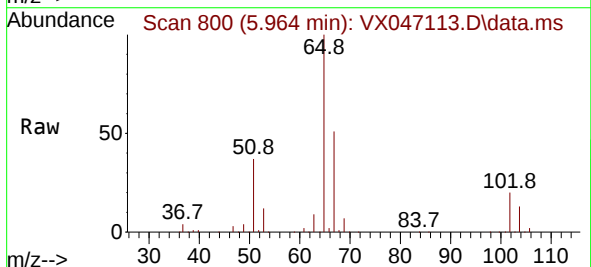


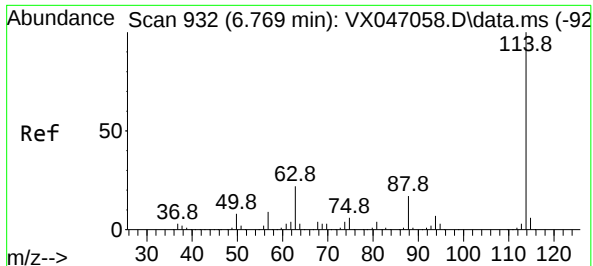
Tgt Ion: 56 Resp: 10469
Ion Ratio Lower Upper
56 100
69 186.4 23.3 34.9#
84 146.1 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 53.925 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047113.D
Acq: 24 Jul 2025 12:45

Tgt Ion: 65 Resp: 309670
Ion Ratio Lower Upper
65 100
67 50.6 0.0 104.8

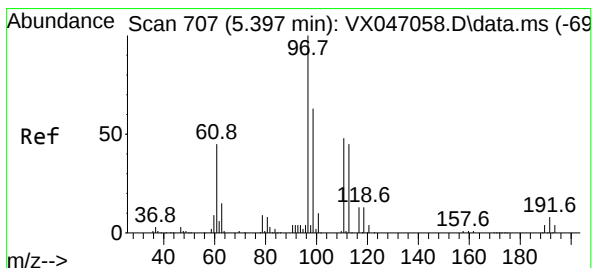
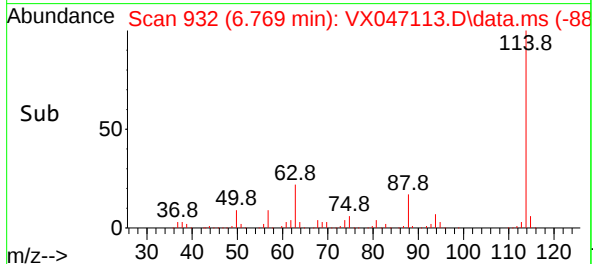
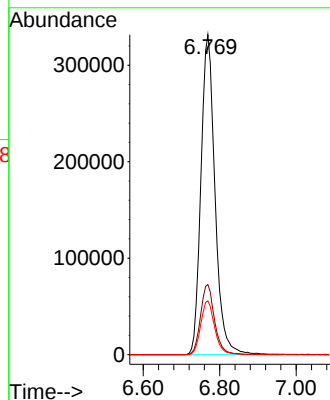
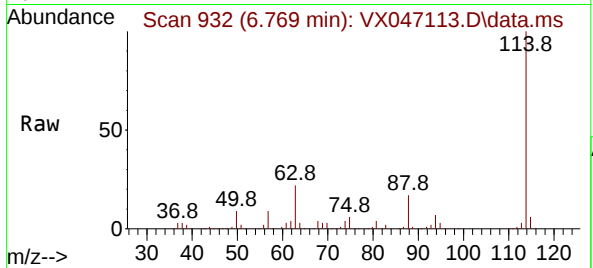




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047113.D
Acq: 24 Jul 2025 12:45

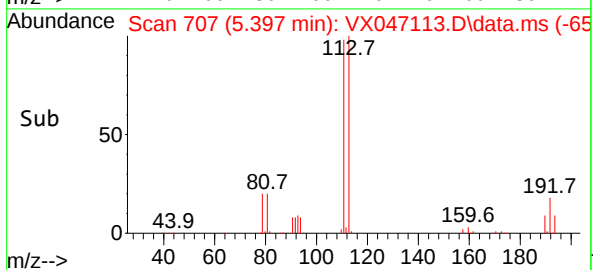
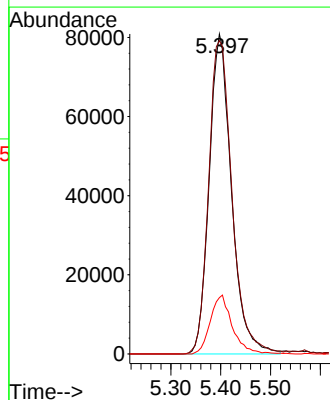
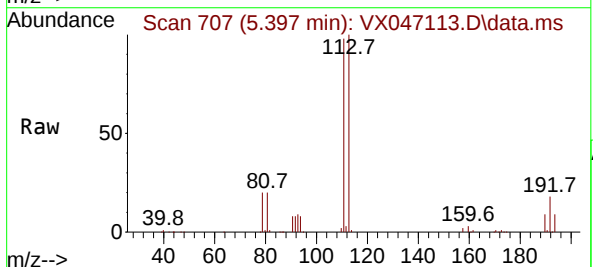
Instrument :
MSVOA_X
ClientSampleId :

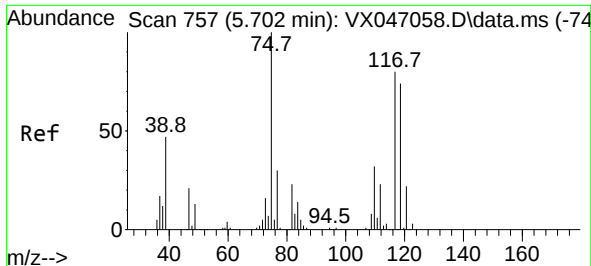
Tgt Ion:114 Resp: 847282
Ion Ratio Lower Upper
114 100
63 21.9 0.0 43.2
88 16.8 0.0 33.8



#35
Dibromofluoromethane
Concen: 48.116 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047113.D
Acq: 24 Jul 2025 12:45

Tgt Ion:113 Resp: 251712
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 18.2 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.569 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX047113.D

Acq: 24 Jul 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

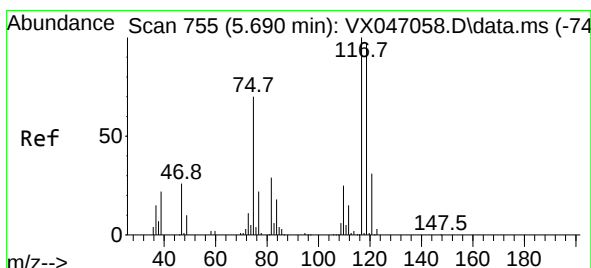
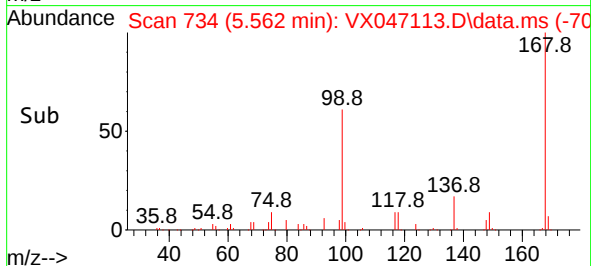
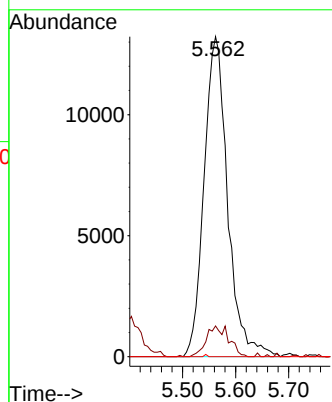
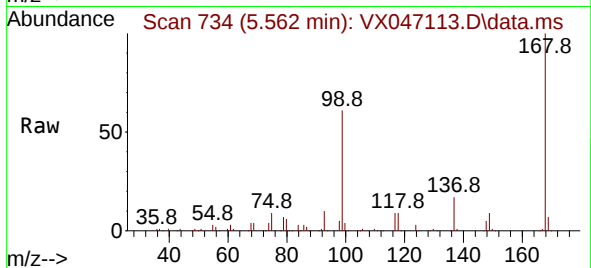
Tgt Ion: 75 Resp: 40747

Ion Ratio Lower Upper

75 100

110 9.2 17.2 51.5#

77 0.1 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.042 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.122 min

Lab File: VX047113.D

Acq: 24 Jul 2025 12:45

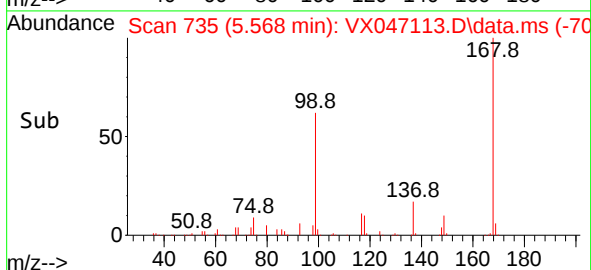
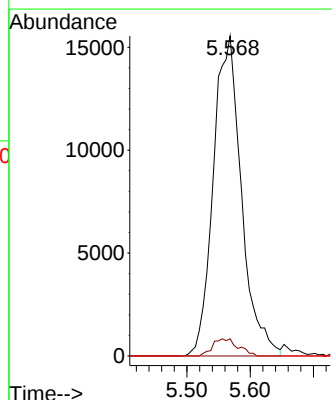
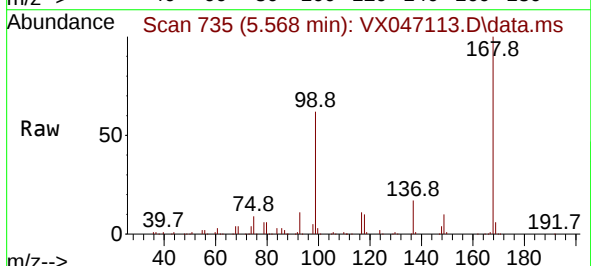
Tgt Ion: 117 Resp: 47986

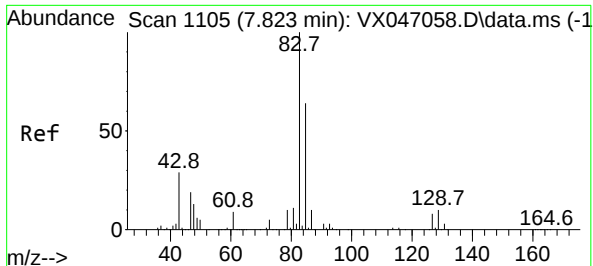
Ion Ratio Lower Upper

117 100

119 5.4 76.6 115.0#

121 0.0 24.4 36.6#

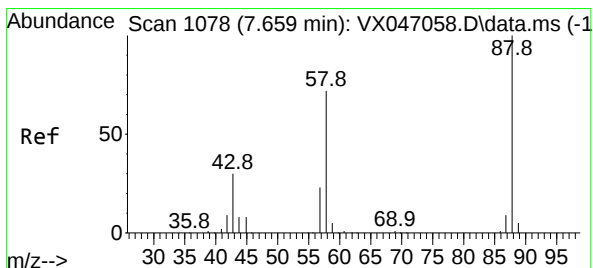
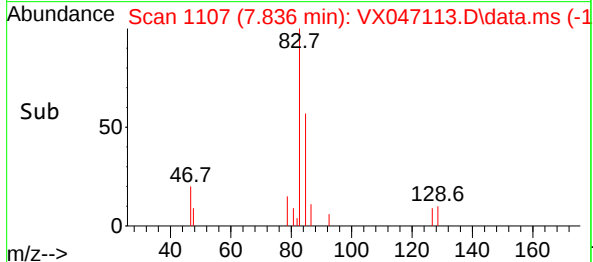
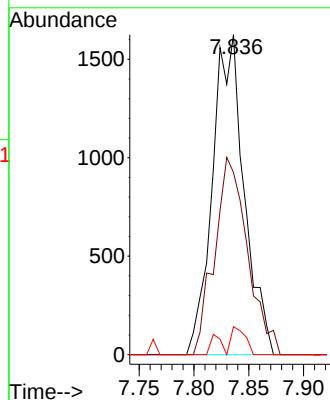
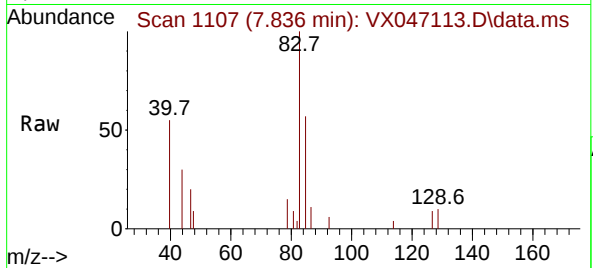




#47
Bromodichloromethane
Concen: 0.338 ug/l
RT: 7.836 min Scan# 1105
Delta R.T. 0.013 min
Lab File: VX047113.D
Acq: 24 Jul 2025 12:45

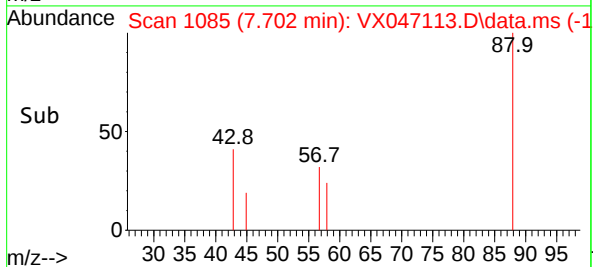
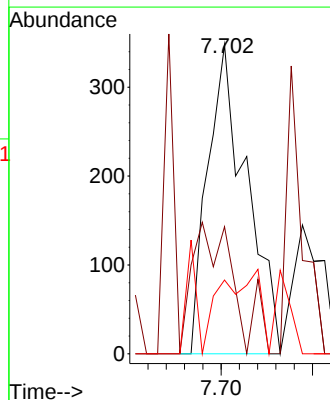
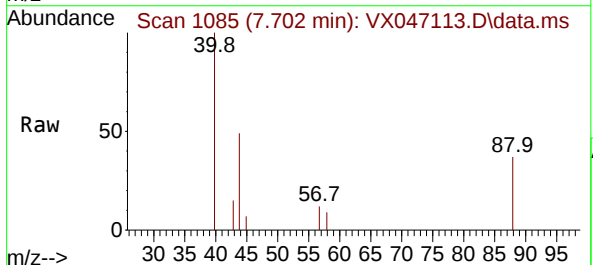
Instrument :
MSVOA_X
ClientSampleId :

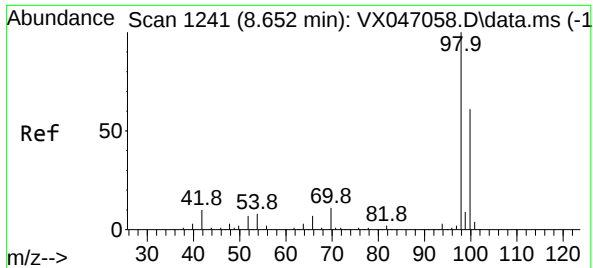
Tgt Ion: 83 Resp: 3261
Ion Ratio Lower Upper
83 100
85 56.9 49.9 74.9
127 8.7 6.6 10.0



#49
1,4-Dioxane
Concen: 6.489 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.043 min
Lab File: VX047113.D
Acq: 24 Jul 2025 12:45

Tgt Ion: 88 Resp: 515
Ion Ratio Lower Upper
88 100
43 32.8 33.6 50.4#
58 9.1 58.8 88.2#

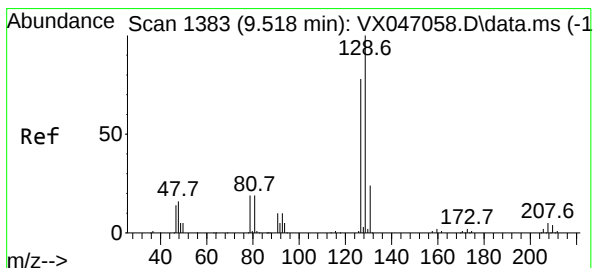
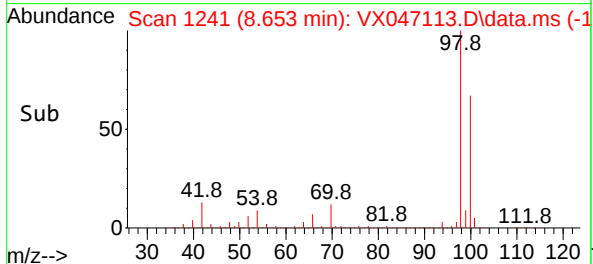
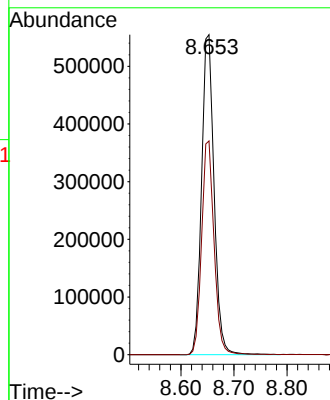
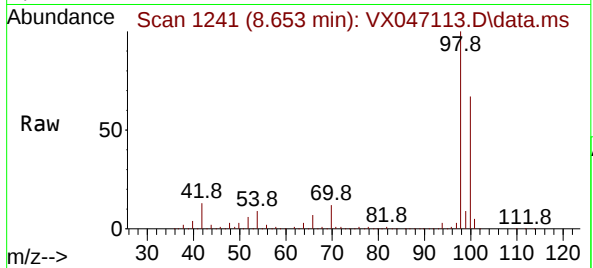




#50
Toluene-d8
Concen: 53.621 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047113.D
Acq: 24 Jul 2025 12:45

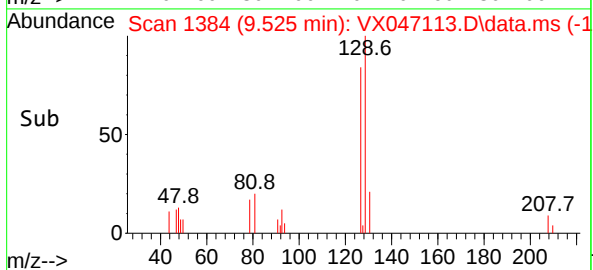
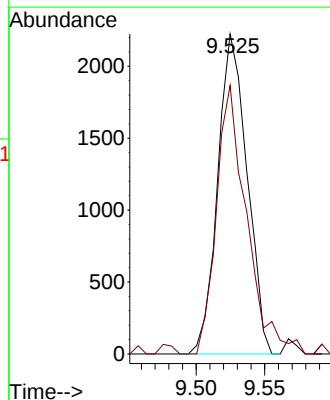
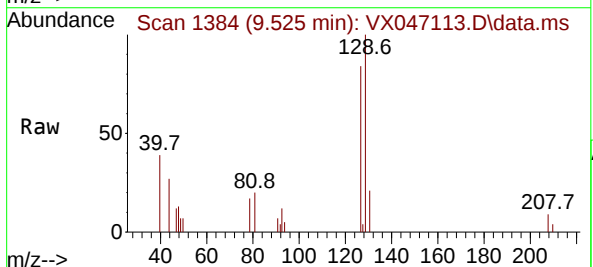
Instrument :
MSVOA_X
ClientSampleId :

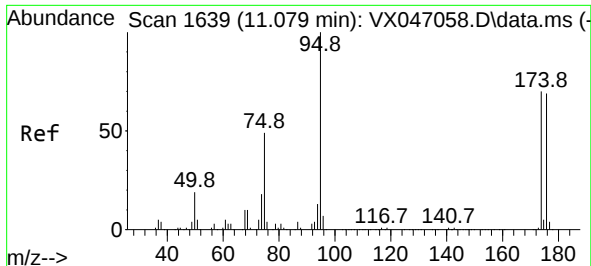
Tgt Ion: 98 Resp: 908430
Ion Ratio Lower Upper
98 100
100 66.5 53.3 79.9



#60
Dibromochloromethane
Concen: 0.474 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX047113.D
Acq: 24 Jul 2025 12:45

Tgt Ion:129 Resp: 3309
Ion Ratio Lower Upper
129 100
127 86.6 38.6 115.8

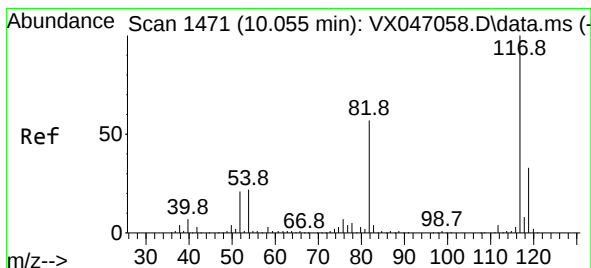
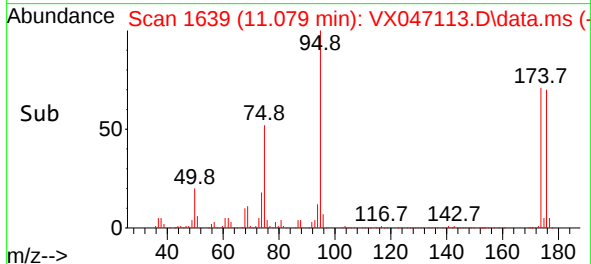
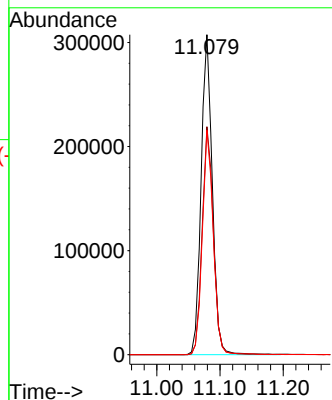
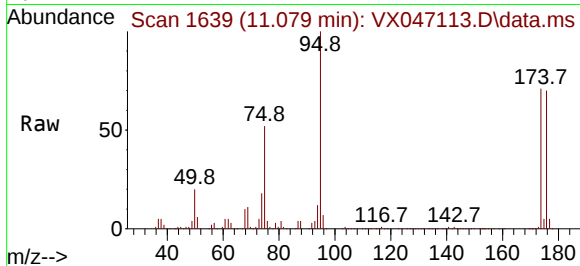




#62
4-Bromofluorobenzene
Concen: 51.889 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047113.D
Acq: 24 Jul 2025 12:45

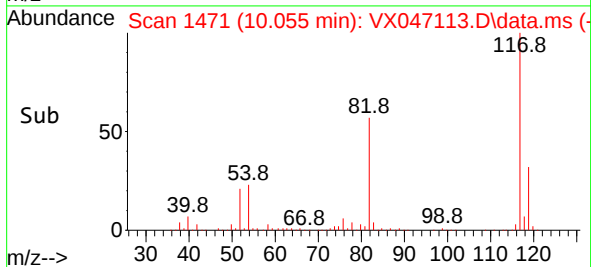
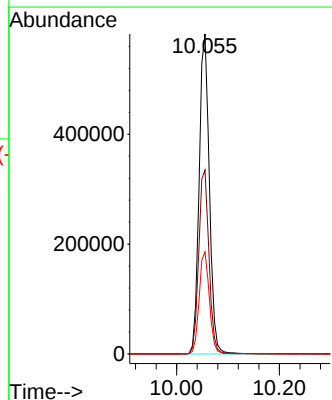
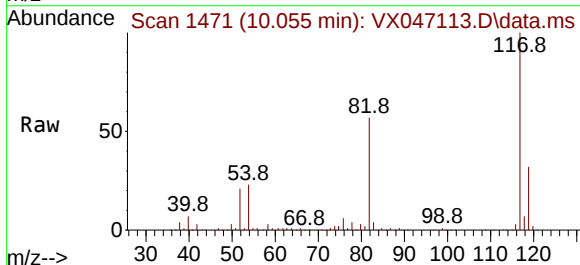
Instrument :
MSVOA_X
ClientSampleId :

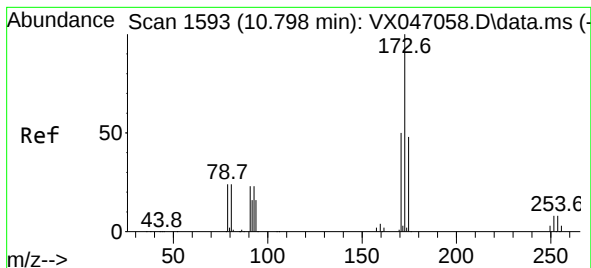
Tgt Ion: 95 Resp: 378842
Ion Ratio Lower Upper
95 100
174 71.5 0.0 144.6
176 68.9 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047113.D
Acq: 24 Jul 2025 12:45

Tgt Ion: 117 Resp: 804780
Ion Ratio Lower Upper
117 100
82 57.5 45.4 68.2
119 31.9 26.1 39.1





#71

Bromoform

Concen: 0.579 ug/l

RT: 10.805 min Scan# 1

Delta R.T. 0.006 min

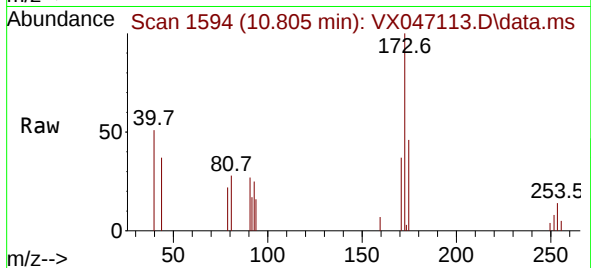
Lab File: VX047113.D

Acq: 24 Jul 2025 12:45

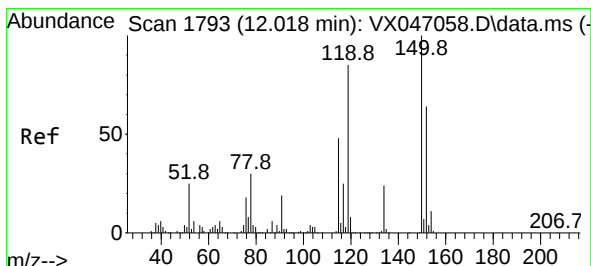
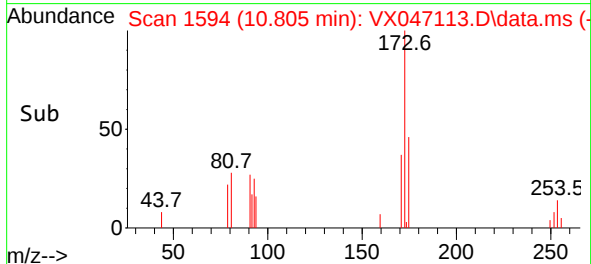
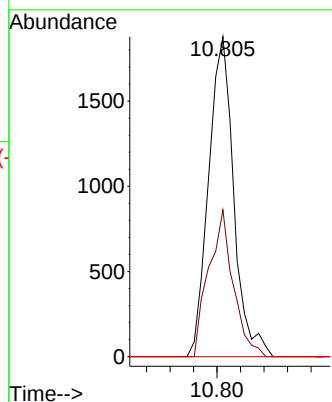
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	173	Resp:	2790
Ion Ratio	Lower	Upper	
173	100		
175	44.8	24.2	72.6
254	0.0	0.1	0.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

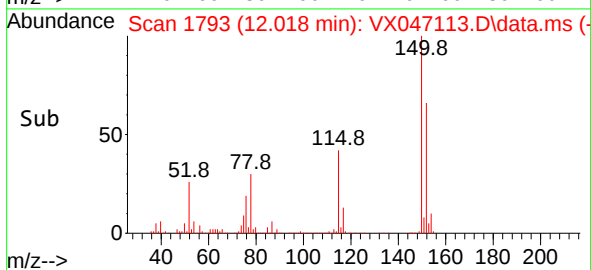
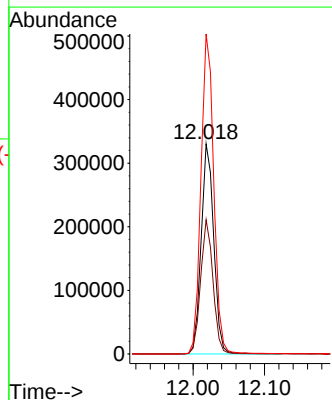
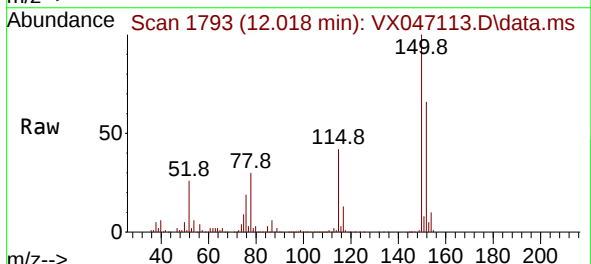
RT: 12.018 min Scan# 1793

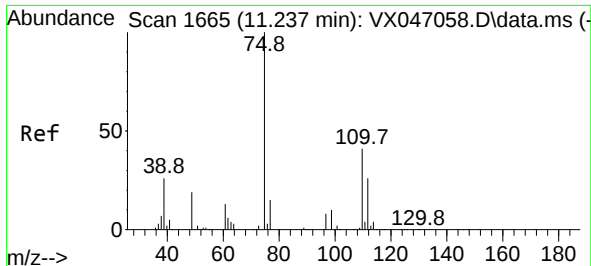
Delta R.T. 0.000 min

Lab File: VX047113.D

Acq: 24 Jul 2025 12:45

Tgt Ion:	152	Resp:	404154
Ion Ratio	Lower	Upper	
152	100		
115	62.9	45.6	136.7
150	155.1	0.0	354.6

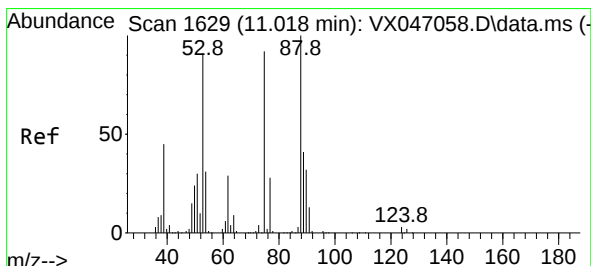
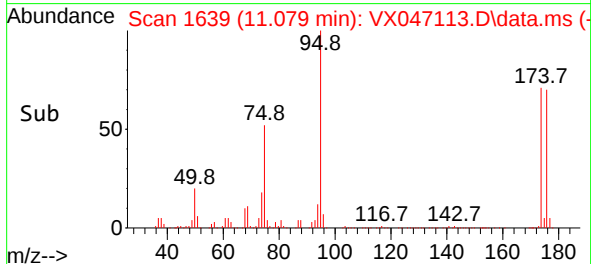
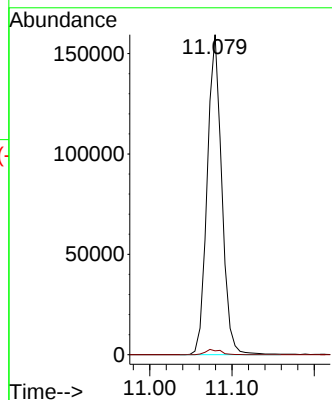
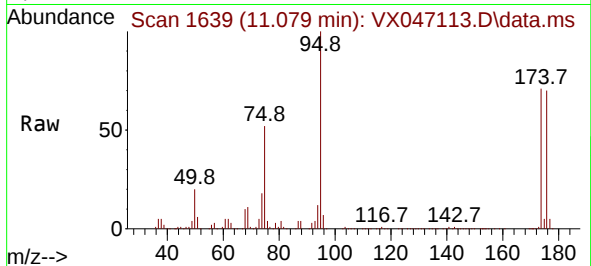




#76
1,2,3-Trichloropropane
Concen: 26.158 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047113.D
Acq: 24 Jul 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 195682
Ion Ratio Lower Upper
75 100
77 1.7 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.394 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047113.D
Acq: 24 Jul 2025 12:45

Tgt Ion: 75 Resp: 195682
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#

