

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
 Data File : VX047300.D
 Acq On : 12 Aug 2025 16:23
 Operator : JC/MD
 Sample : Q2814-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-38M-N

Quant Time: Aug 13 01:23:43 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)

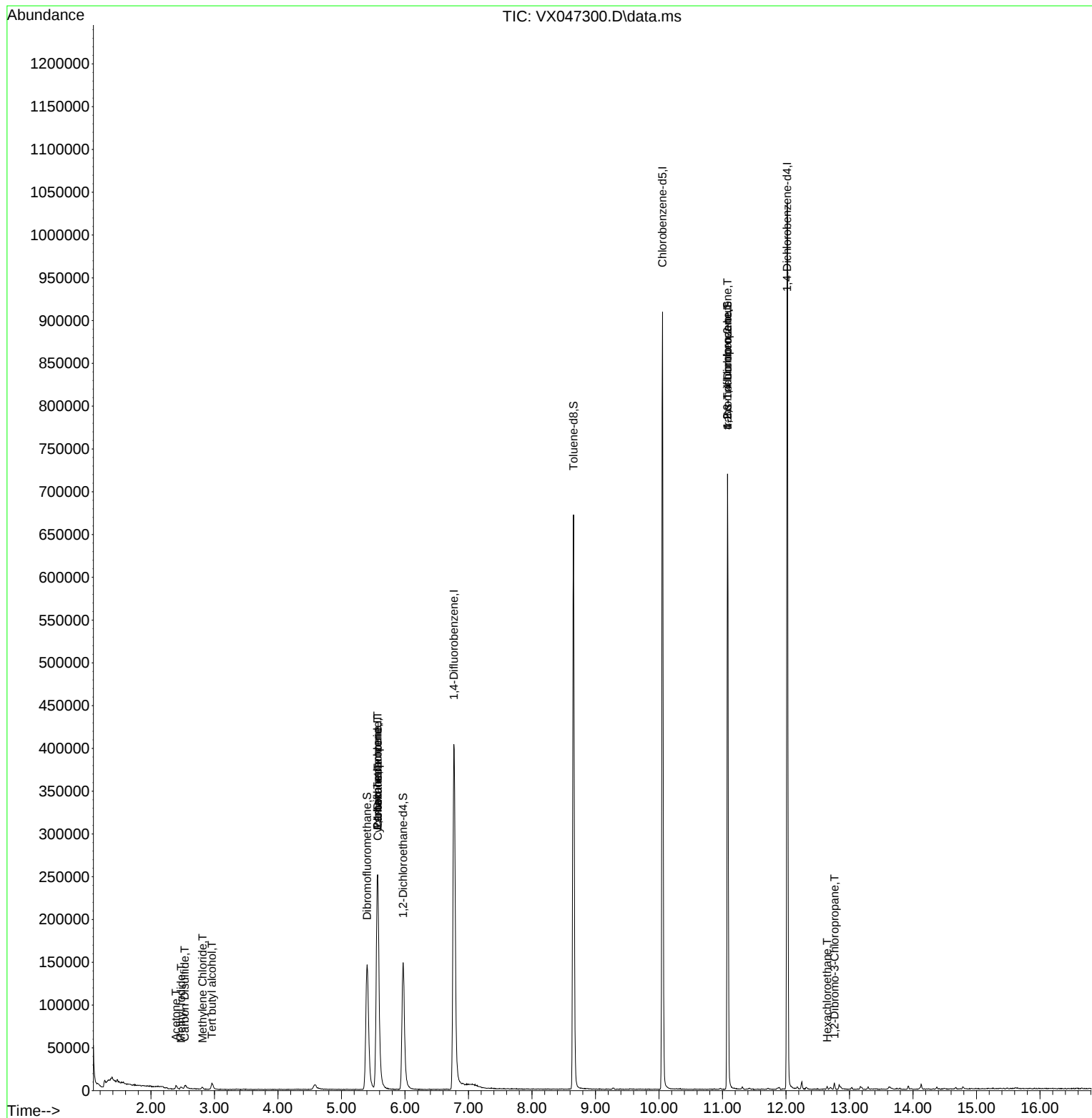
Internal Standards						
1) Pentafluorobenzene	5.568	168	256738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	441768	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	402262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	205788	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	160189	50.088	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 100.180%		
35) Dibromofluoromethane	5.404	113	140910	51.660	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.320%		
50) Toluene-d8	8.653	98	398458	45.108	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 90.220%#		
62) 4-Bromofluorobenzene	11.079	95	191507	50.308	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 100.620%		
Target Compounds						
						Qvalue
10) Methyl Iodide	2.477	142	3289	0.991	ug/l	97
11) Tert butyl alcohol	2.959	59	4167	0.896	ug/l #	77
16) Acetone	2.392	43	5591	4.364	ug/l	100
17) Carbon Disulfide	2.532	76	3333	0.357	ug/l #	76
20) Methylene Chloride	2.813	84	744	0.211	ug/l	97
31) Cyclohexane	5.574	56	5407	0.904	ug/l #	12
36) 1,1-Dichloropropene	5.568	75	21550	4.635	ug/l #	50
38) Carbon Tetrachloride	5.568	117	27425	5.526	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	99583	26.144	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	99583	67.357	ug/l #	8
90) Hexachloroethane	12.646	117	1328	0.532	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	12.762	75	276	0.310	ug/l #	2

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

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Quant Time: Aug 13 01:23:43 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

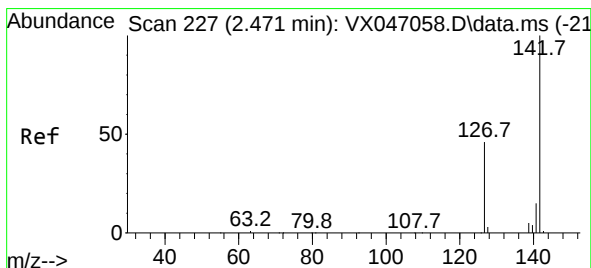
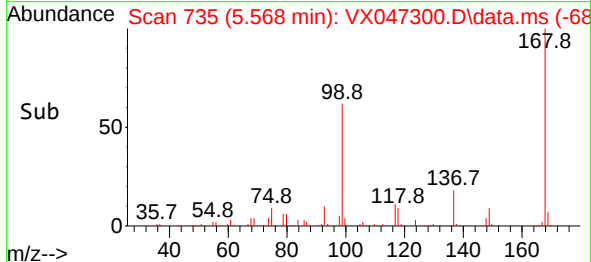
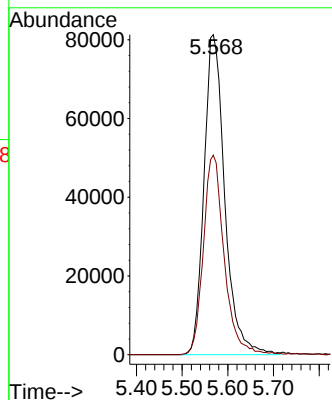
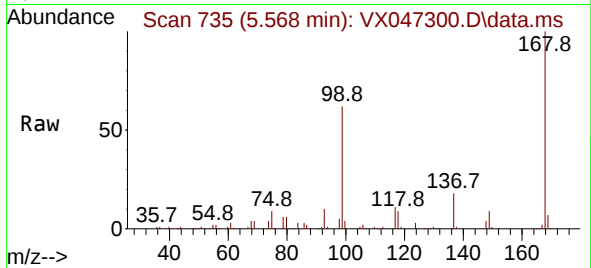




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

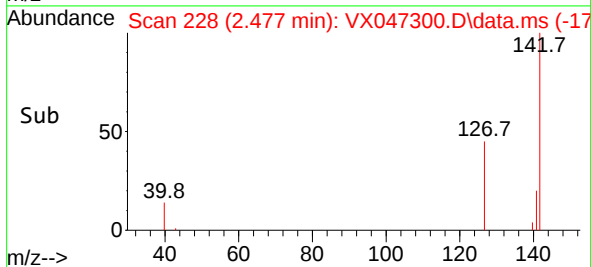
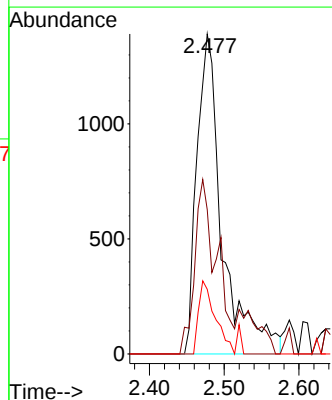
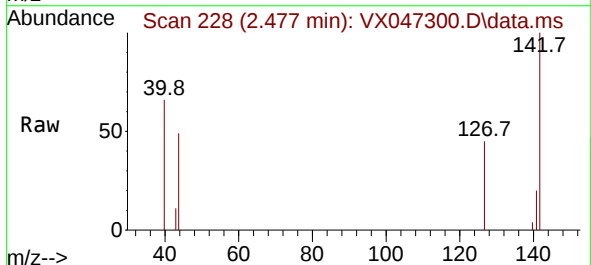
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-N

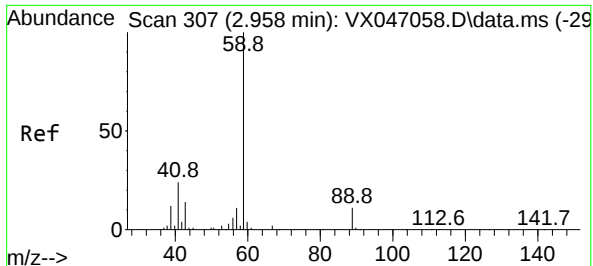
Tgt Ion:168 Resp: 256738
Ion Ratio Lower Upper
168 100
99 62.3 48.0 72.0



#10
Methyl Iodide
Concen: 0.991 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.007 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

Tgt Ion:142 Resp: 3289
Ion Ratio Lower Upper
142 100
127 47.4 36.6 54.8
141 14.9 10.9 16.3





#11

Tert butyl alcohol

Concen: 0.896 ug/l

RT: 2.959 min Scan# 307

Delta R.T. 0.001 min

Lab File: VX047300.D

Acq: 12 Aug 2025 16:23

Instrument :

MSVOA_X

ClientSampleId :

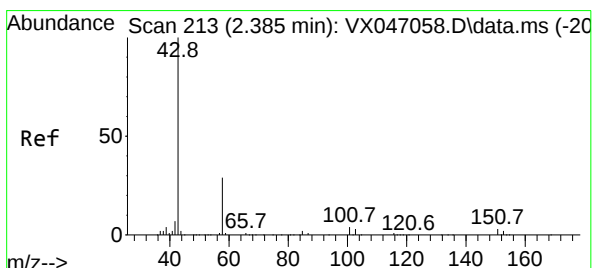
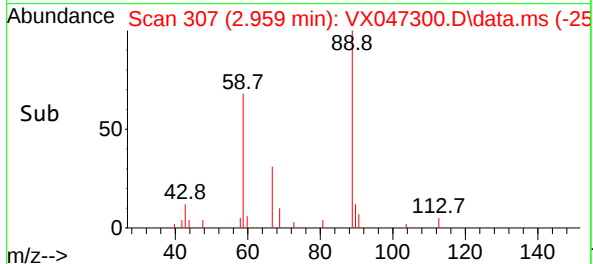
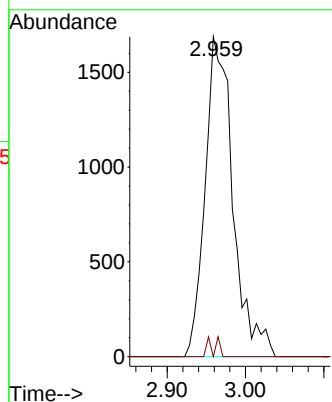
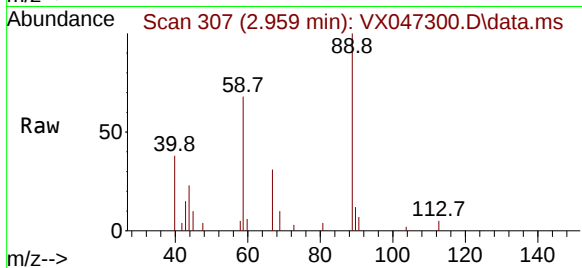
TW-38M-N

Tgt Ion: 59 Resp: 4167

Ion Ratio Lower Upper

59 100

57 1.8 8.5 12.7#



#16

Acetone

Concen: 4.364 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.007 min

Lab File: VX047300.D

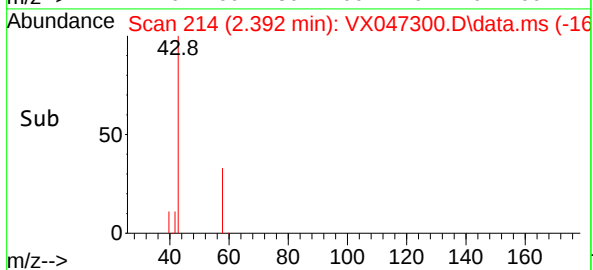
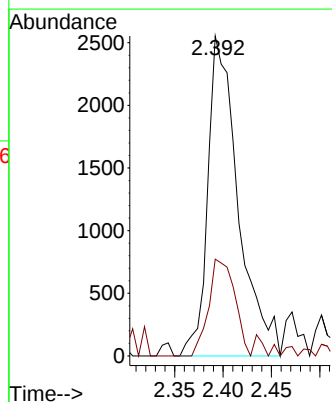
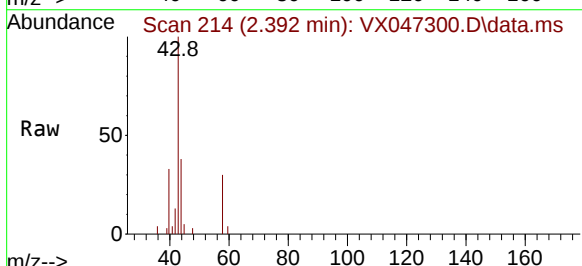
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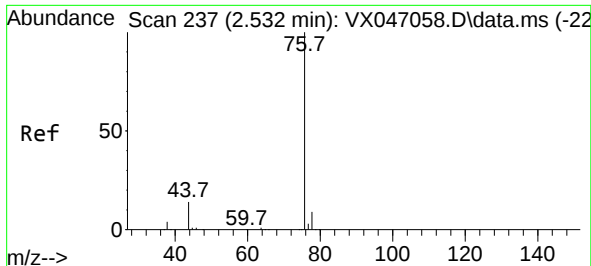
Tgt Ion: 43 Resp: 5591

Ion Ratio Lower Upper

43 100

58 30.2 24.0 36.0

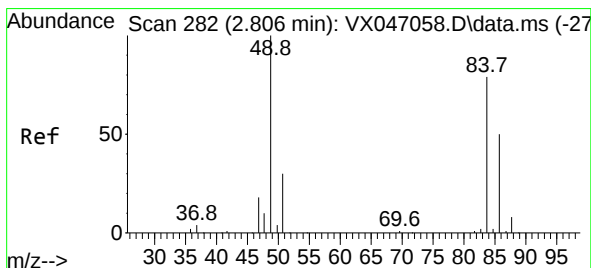
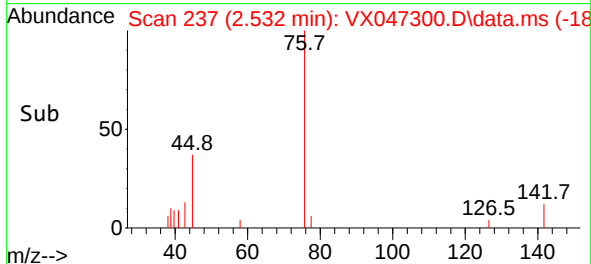
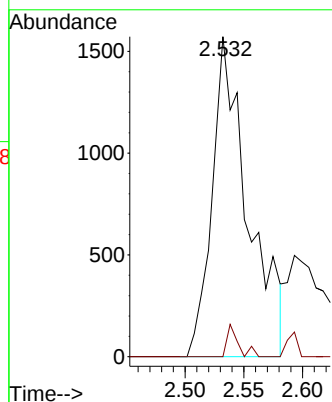
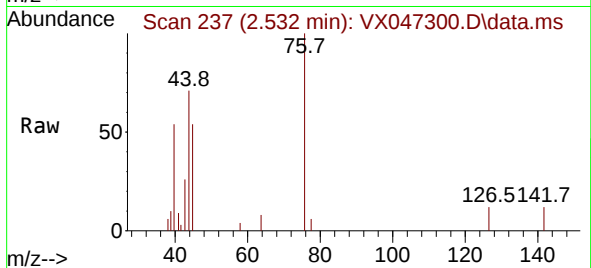




#17
Carbon Disulfide
Concen: 0.357 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

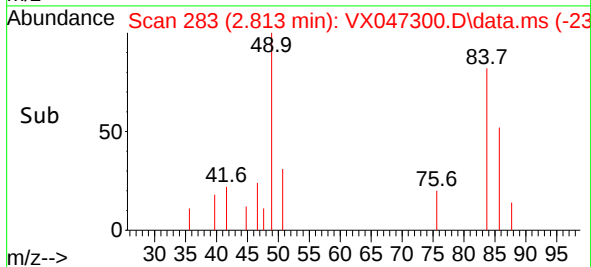
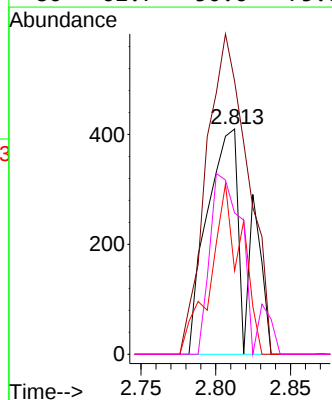
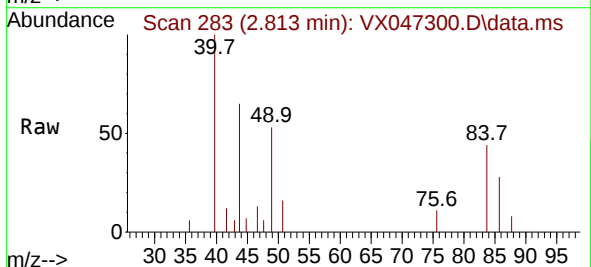
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-N

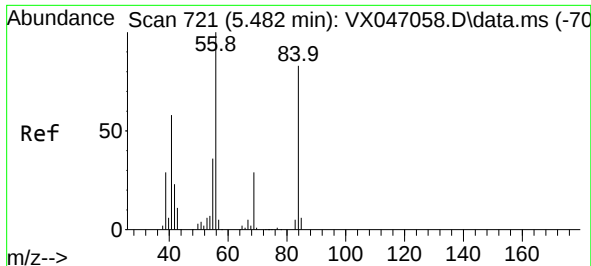
Tgt Ion: 76 Resp: 3333
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#20
Methylene Chloride
Concen: 0.211 ug/l
RT: 2.813 min Scan# 283
Delta R.T. 0.007 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

Tgt Ion: 84 Resp: 744
Ion Ratio Lower Upper
84 100
49 121.2 101.6 152.4
51 37.1 30.3 45.5
86 62.7 50.6 75.8

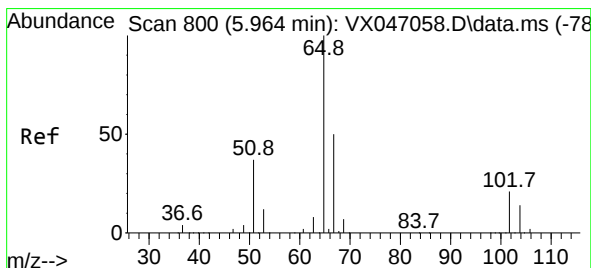
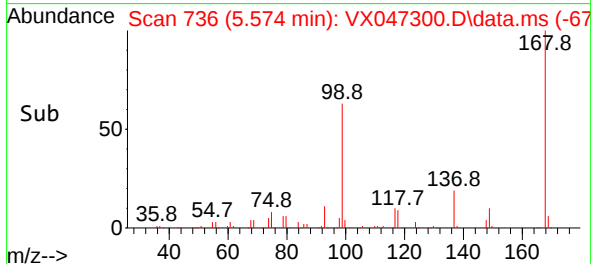
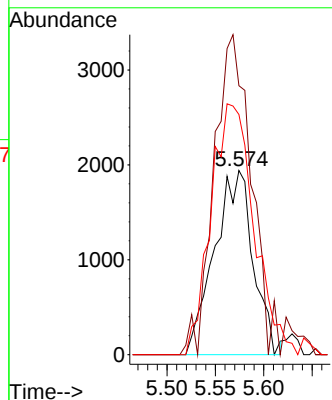
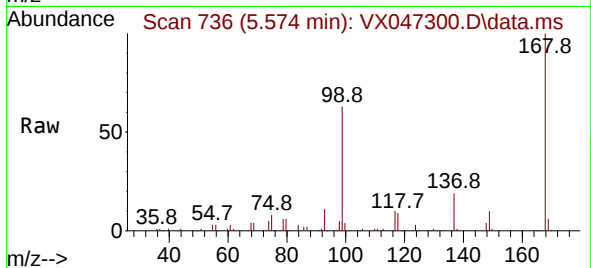




#31
Cyclohexane
Concen: 0.904 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.092 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

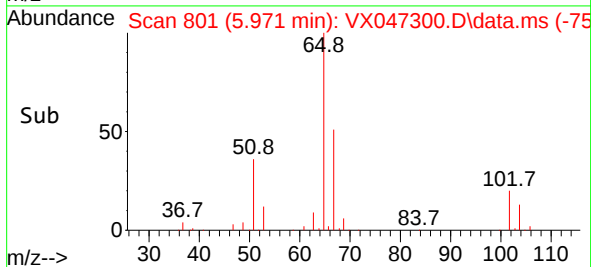
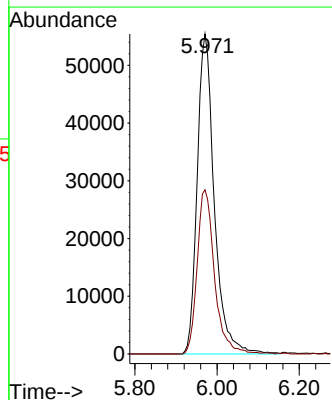
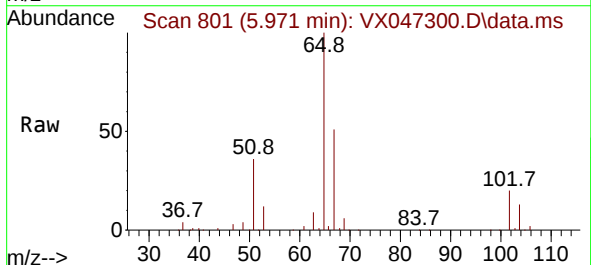
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-N

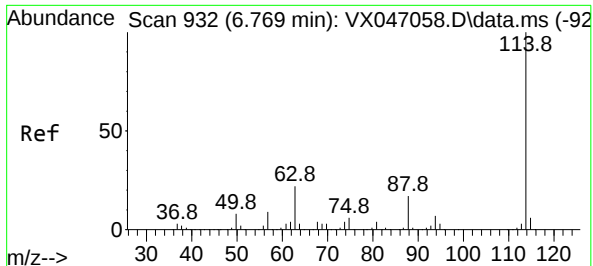
Tgt Ion: 56 Resp: 5407
Ion Ratio Lower Upper
56 100
69 139.6 23.3 34.9#
84 124.6 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 50.088 ug/l
RT: 5.971 min Scan# 801
Delta R.T. 0.007 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

Tgt Ion: 65 Resp: 160189
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8

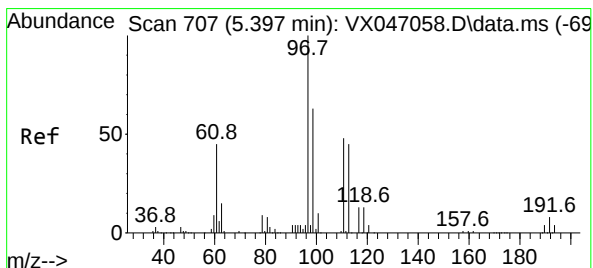
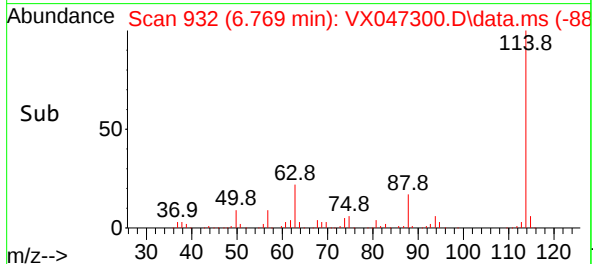
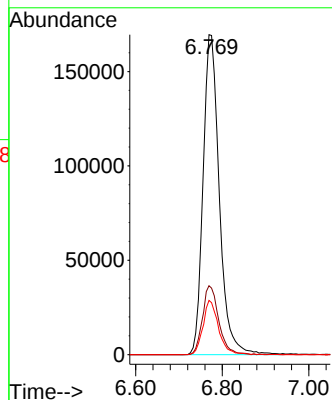
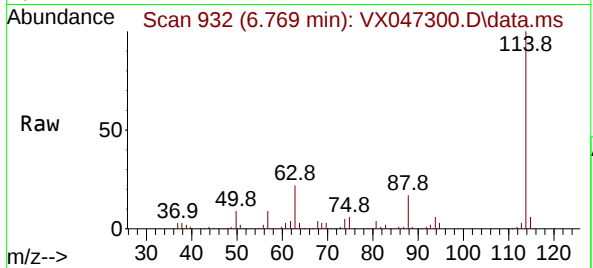




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

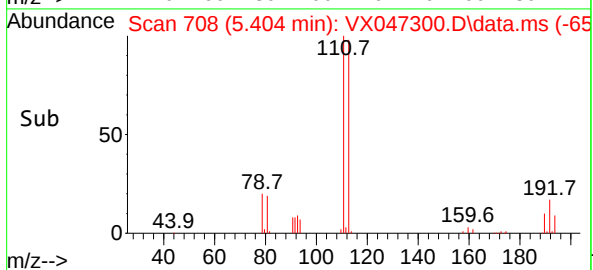
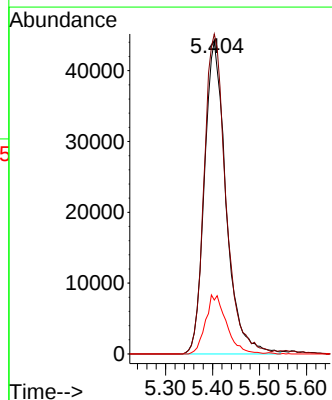
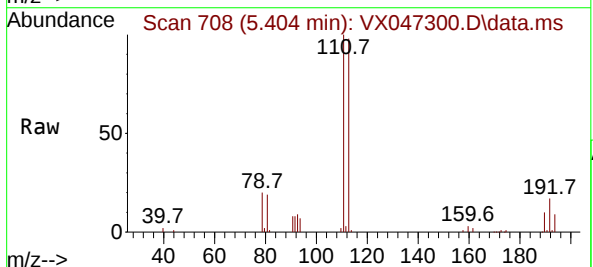
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-N

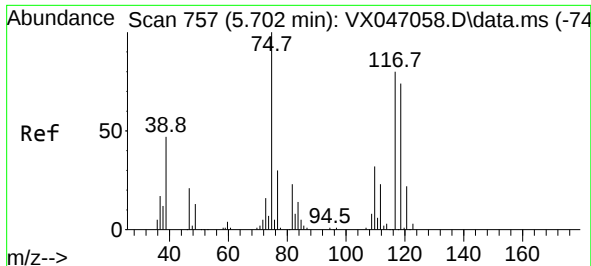
Tgt Ion:114 Resp: 441768
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.2
88 16.9 0.0 33.8



#35
Dibromofluoromethane
Concen: 51.660 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.007 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

Tgt Ion:113 Resp: 140910
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 18.4 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.635 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX047300.D

Acq: 12 Aug 2025 16:23

Instrument :

MSVOA_X

ClientSampleId :

TW-38M-N

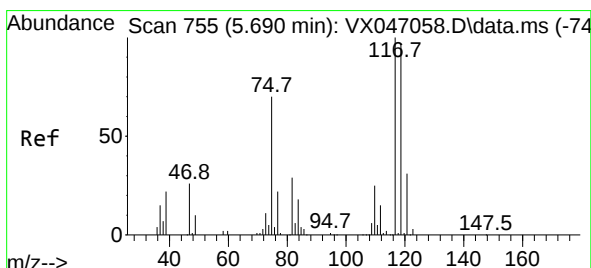
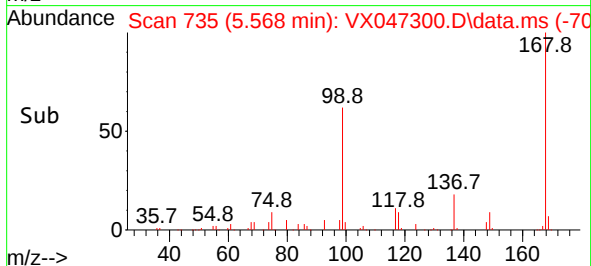
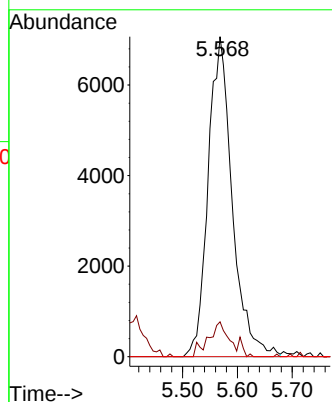
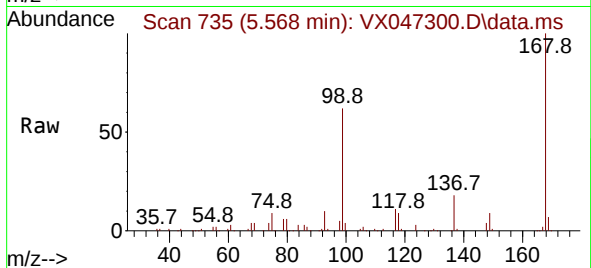
Tgt Ion: 75 Resp: 21550

Ion Ratio Lower Upper

75 100

110 8.9 17.2 51.5#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.526 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.121 min

Lab File: VX047300.D

Acq: 12 Aug 2025 16:23

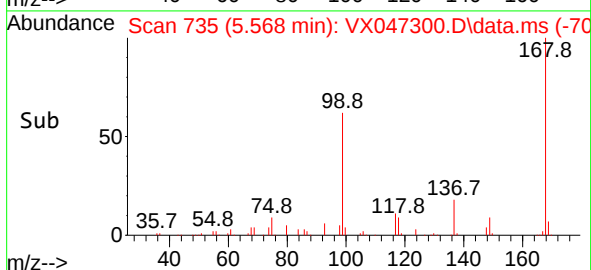
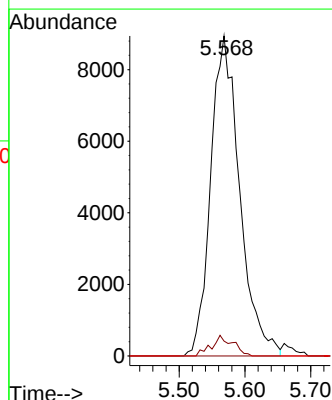
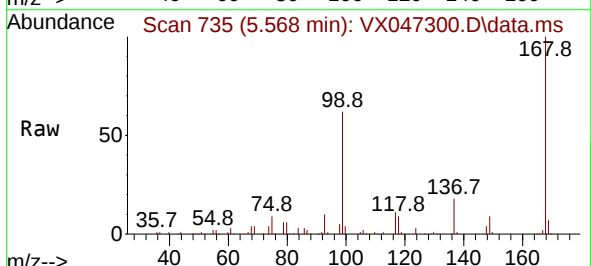
Tgt Ion: 117 Resp: 27425

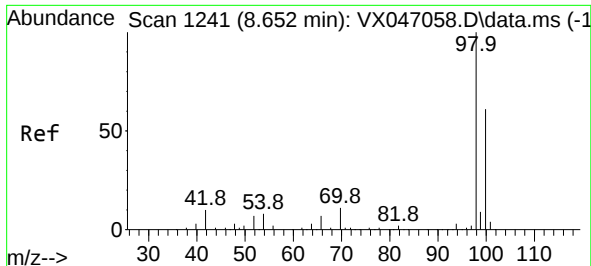
Ion Ratio Lower Upper

117 100

119 4.6 76.6 115.0#

121 0.0 24.4 36.6#

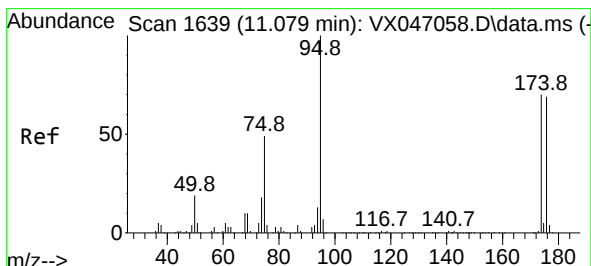
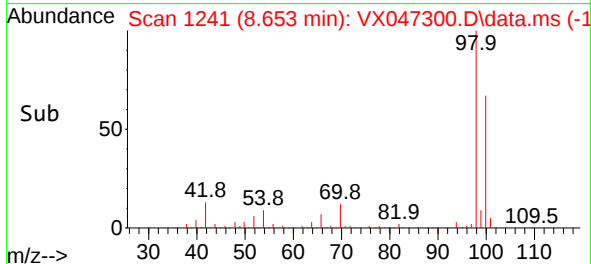
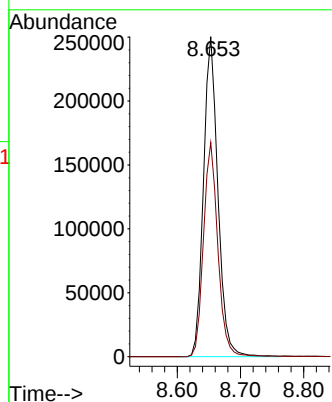
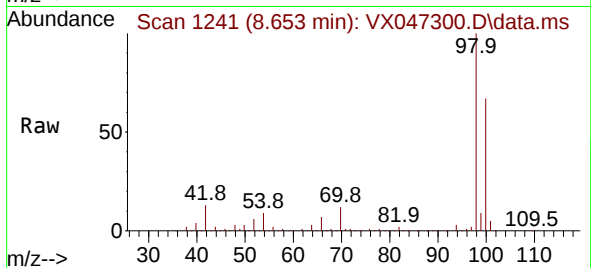




#50
Toluene-d8
Concen: 45.108 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

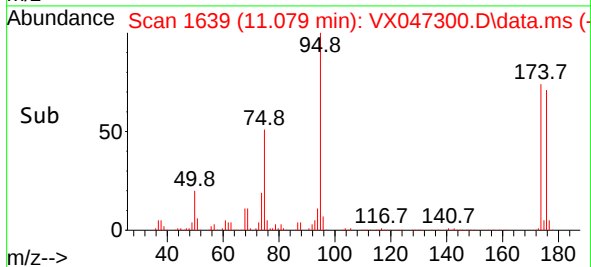
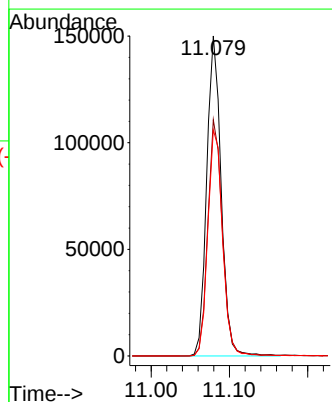
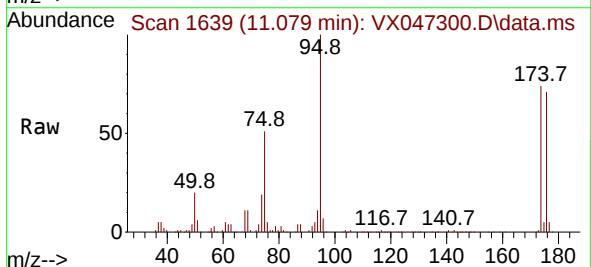
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-N

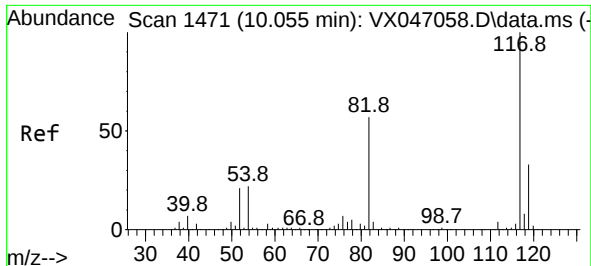
Tgt Ion: 98 Resp: 398458
Ion Ratio Lower Upper
98 100
100 66.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 50.308 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

Tgt Ion: 95 Resp: 191507
Ion Ratio Lower Upper
95 100
174 74.6 0.0 144.6
176 72.2 0.0 139.6

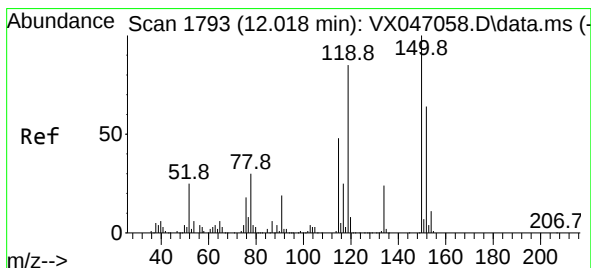
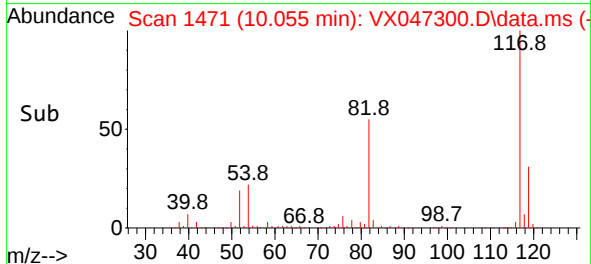
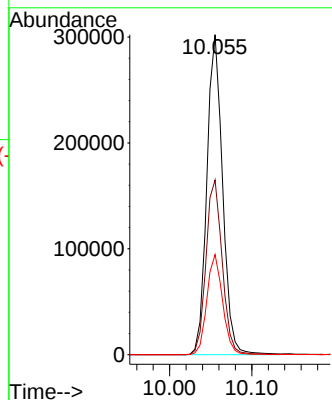
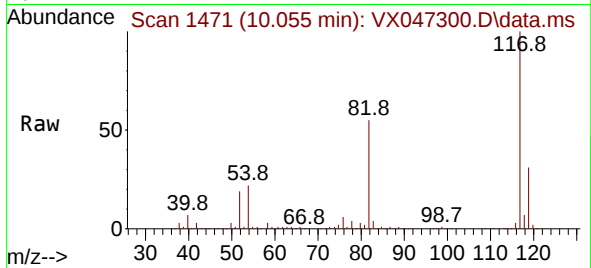




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

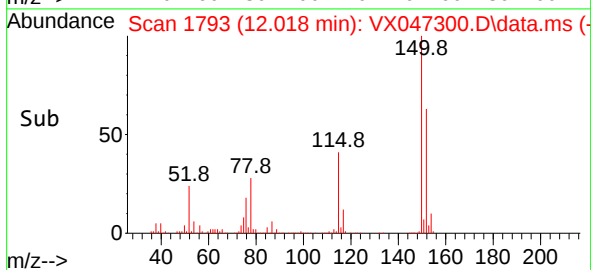
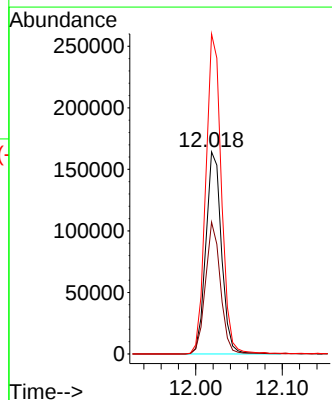
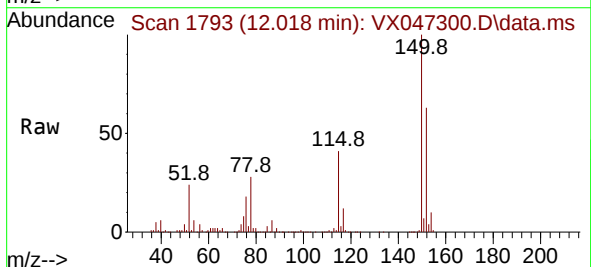
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-N

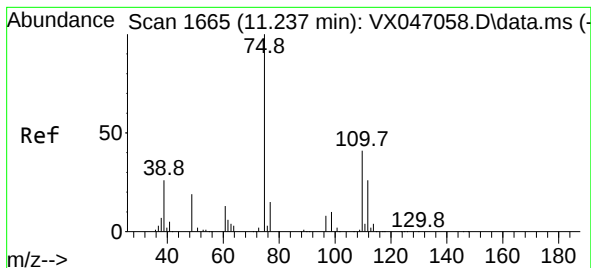
Tgt Ion:117 Resp: 402262
Ion Ratio Lower Upper
117 100
82 54.6 45.4 68.2
119 31.3 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.001 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

Tgt Ion:152 Resp: 205788
Ion Ratio Lower Upper
152 100
115 62.4 45.6 136.7
150 158.0 0.0 354.6

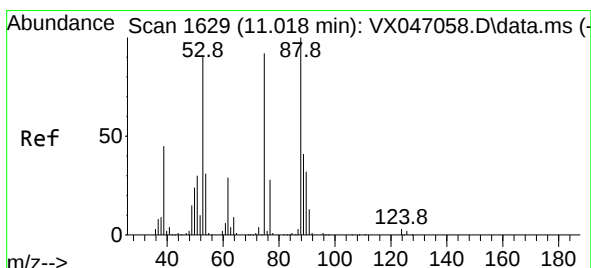
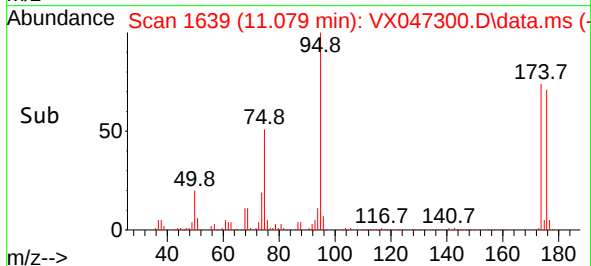
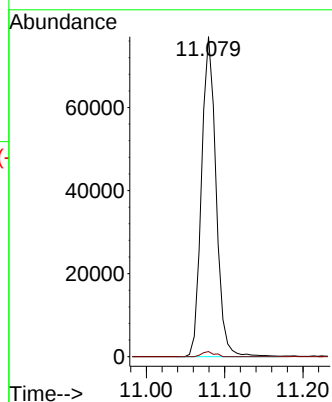
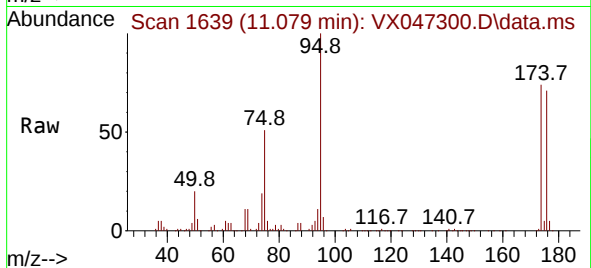




#76
1,2,3-Trichloropropane
Concen: 26.144 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

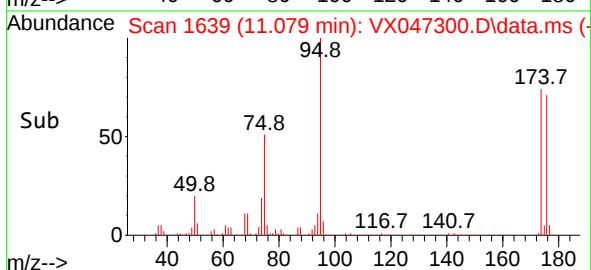
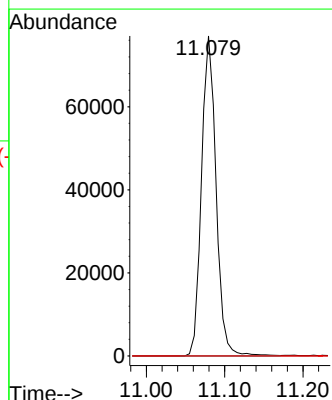
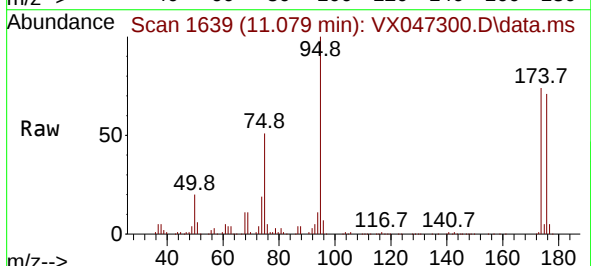
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-N

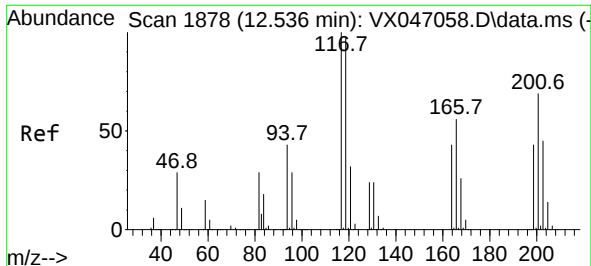
Tgt Ion: 75 Resp: 99583
Ion Ratio Lower Upper
75 100
77 1.4 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.357 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

Tgt Ion: 75 Resp: 99583
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#

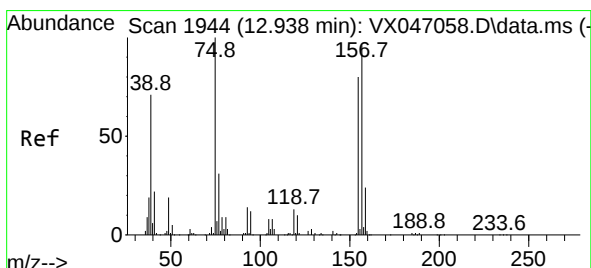
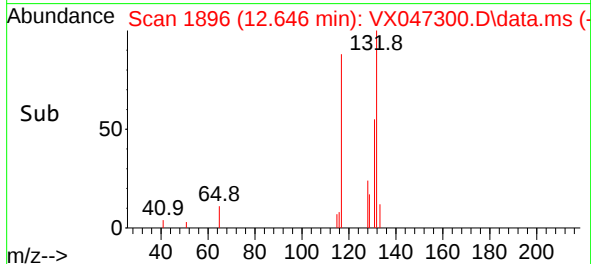
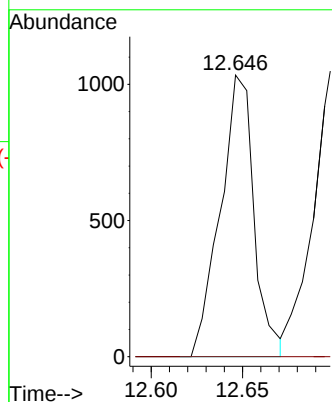
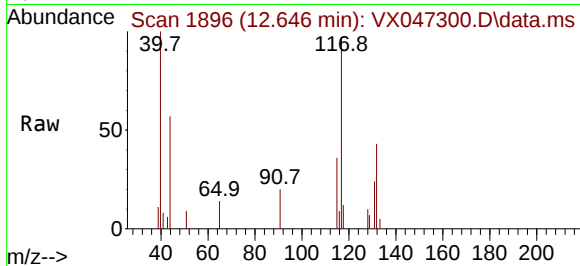




#90
Hexachloroethane
Concen: 0.532 ug/l
RT: 12.646 min Scan# 1896
Delta R.T. 0.110 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-N

Tgt Ion:117 Resp: 1328
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.310 ug/l
RT: 12.762 min Scan# 1915
Delta R.T. -0.176 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

Tgt Ion: 75 Resp: 276
Ion Ratio Lower Upper
75 100
155 0.0 41.3 124.1#
157 0.0 52.8 158.3#

