

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
 Data File : VX048818.D
 Acq On : 10 Dec 2025 17:35
 Operator : JC/MD
 Sample : Q3776-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20251203

Quant Time: Dec 11 00:27:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

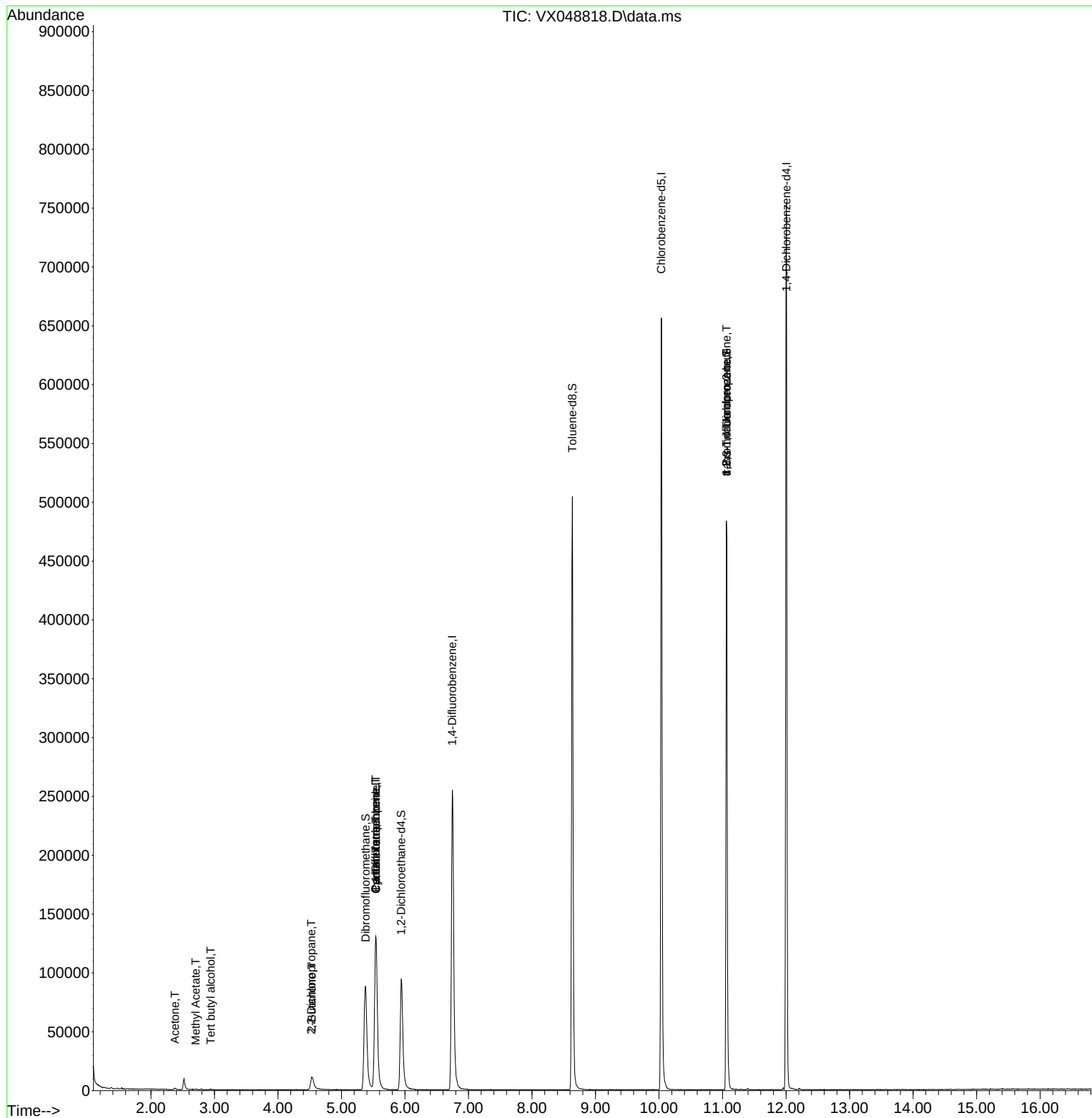
Internal Standards						
1) Pentafluorobenzene	5.538	168	137913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	291436	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	314013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	168146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	103725	56.036	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 112.080%	
35) Dibromofluoromethane	5.379	113	90931	45.315	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 90.620%	
50) Toluene-d8	8.635	98	318234	45.243	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 90.480%#	
62) 4-Bromofluorobenzene	11.061	95	141105	58.175	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 116.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	94	0.315	ug/l #	73
16) Acetone	2.380	43	2005	2.829	ug/l #	86
18) Methyl Acetate	2.703	43	777	0.390	ug/l #	51
25) 2-Butanone	4.532	43	699	0.668	ug/l #	46
26) 2,2-Dichloropropane	4.526	77	757	0.305	ug/l #	52
31) Cyclohexane	5.544	56	2721	1.088	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	11048	4.020	ug/l #	48
38) Carbon Tetrachloride	5.544	117	14164	4.550	ug/l #	14
76) 1,2,3-Trichloropropane	11.061	75	70984	22.666	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	70984	53.840	ug/l #	3
95) Naphthalene	13.768	128	223	Below Cal	#	69

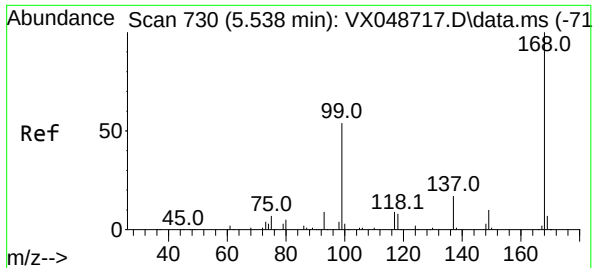
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 11 00:27:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

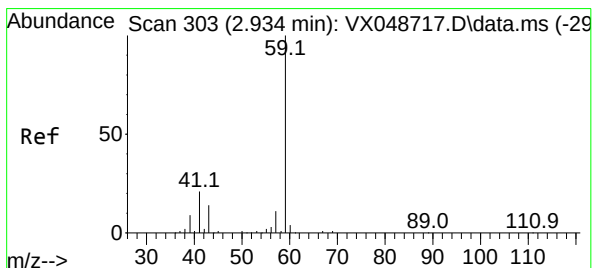
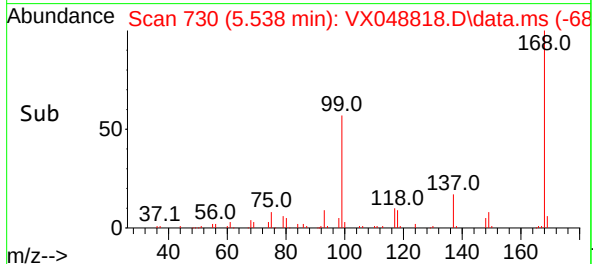
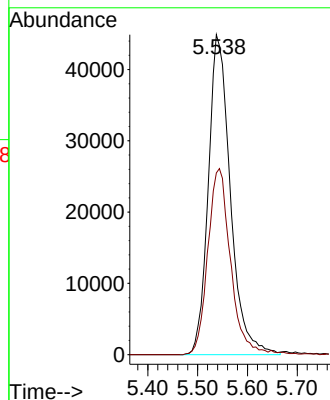
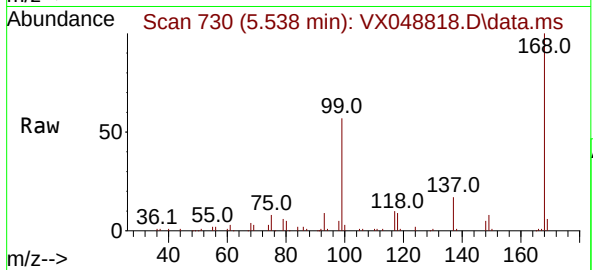




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

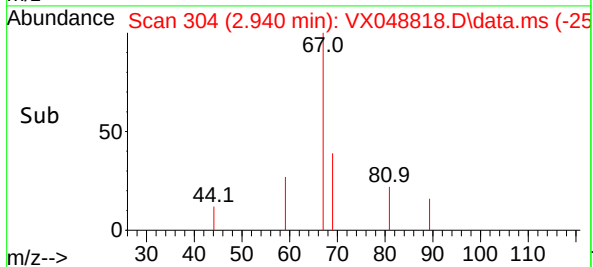
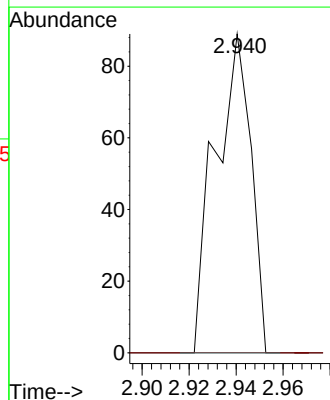
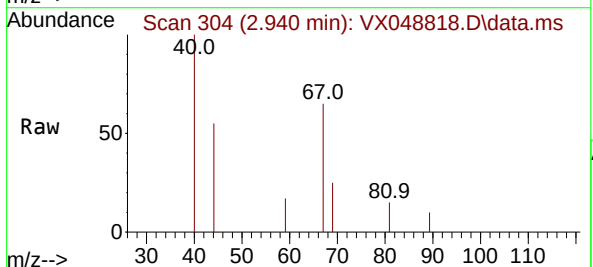
Instrument :
MSVOA_X
ClientSampleId :
TB-20251203

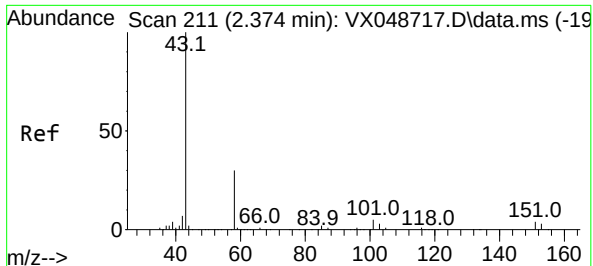
Tgt Ion:168 Resp: 137913
Ion Ratio Lower Upper
168 100
99 56.8 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.315 ug/l
RT: 2.940 min Scan# 304
Delta R.T. 0.006 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

Tgt Ion: 59 Resp: 94
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

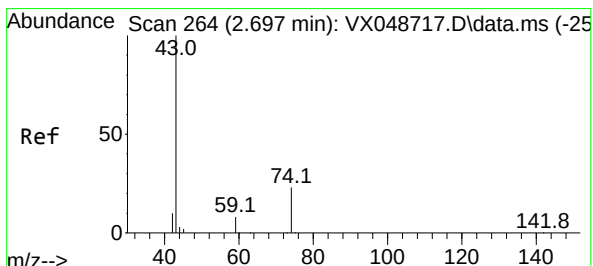
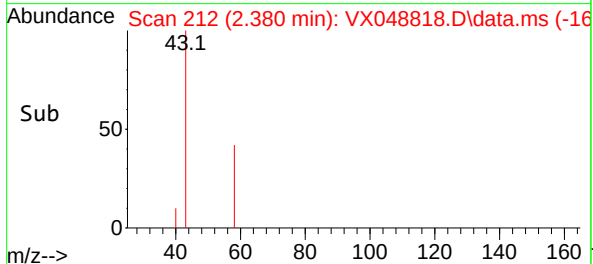
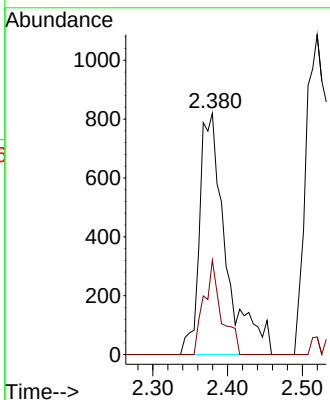
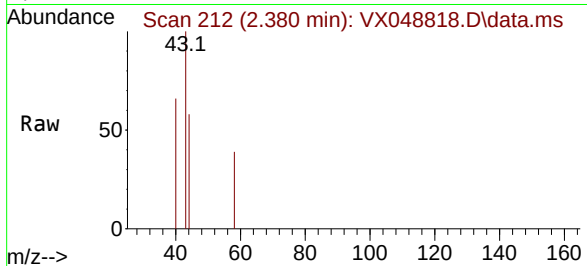




#16
Acetone
Concen: 2.829 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

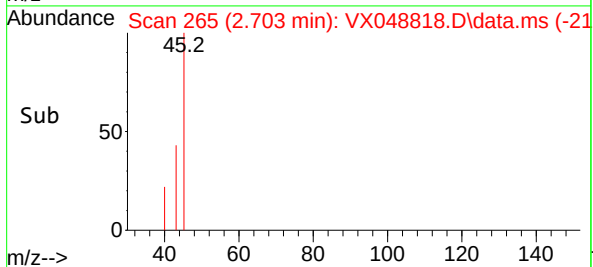
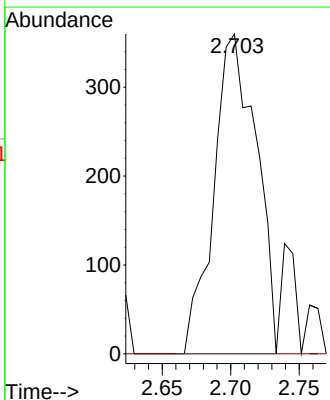
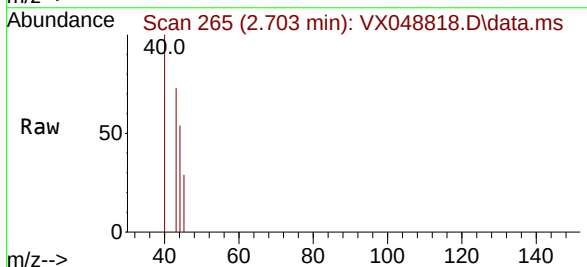
Instrument :
MSVOA_X
ClientSampleId :
TB-20251203

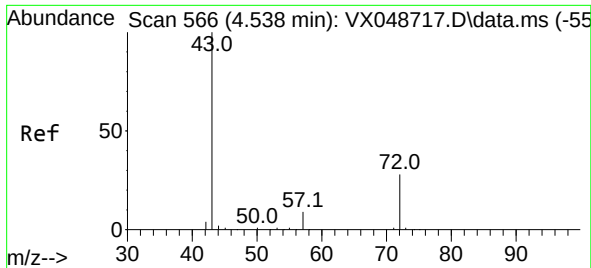
Tgt Ion: 43 Resp: 2005
Ion Ratio Lower Upper
43 100
58 39.1 25.0 37.4#



#18
Methyl Acetate
Concen: 0.390 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

Tgt Ion: 43 Resp: 777
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#

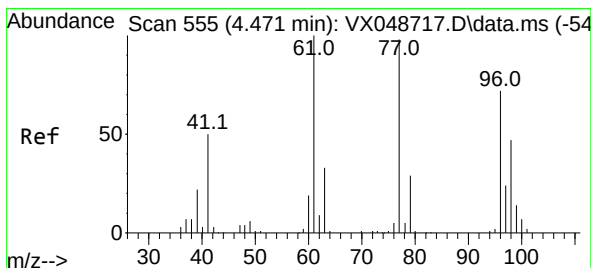
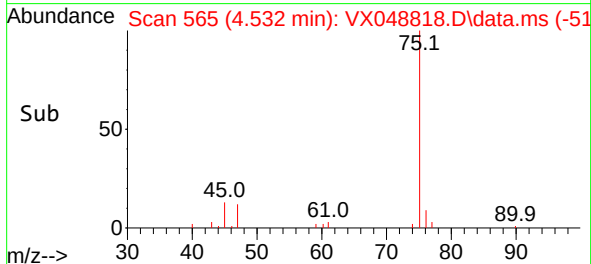
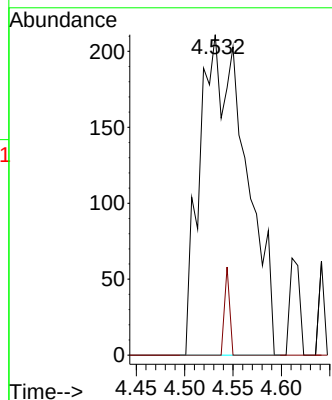
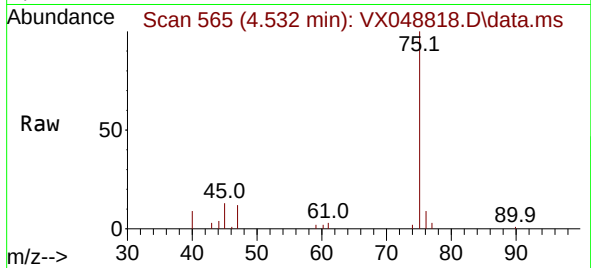




#25
2-Butanone
Concen: 0.668 ug/l
RT: 4.532 min Scan# 50
Delta R.T. -0.006 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

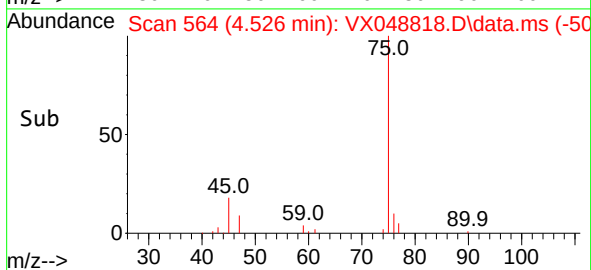
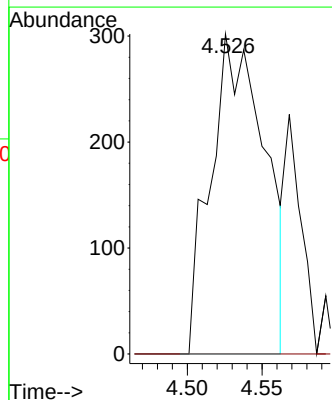
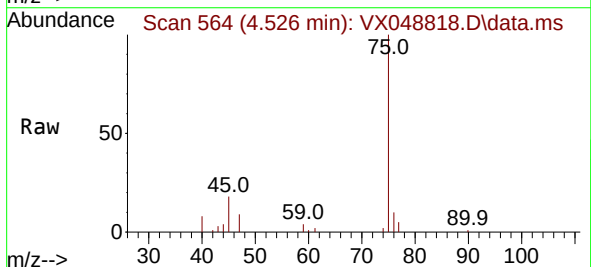
Instrument :
MSVOA_X
ClientSampleId :
TB-20251203

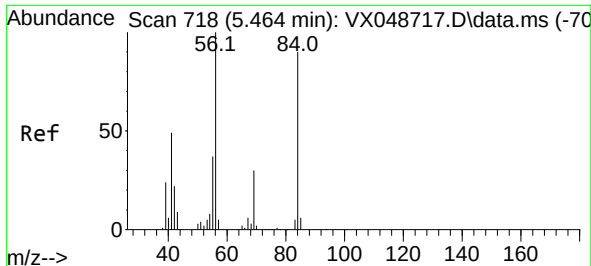
Tgt Ion: 43 Resp: 699
Ion Ratio Lower Upper
43 100
72 0.0 22.6 34.0#



#26
2,2-Dichloropropane
Concen: 0.305 ug/l
RT: 4.526 min Scan# 564
Delta R.T. 0.055 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

Tgt Ion: 77 Resp: 757
Ion Ratio Lower Upper
77 100
97 0.0 11.6 34.8#

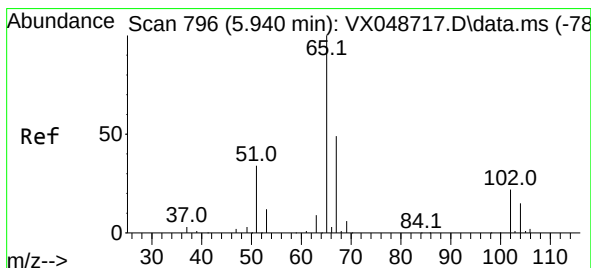
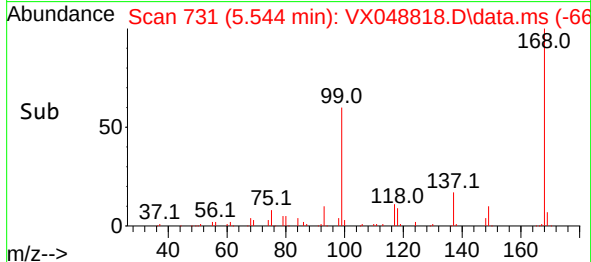
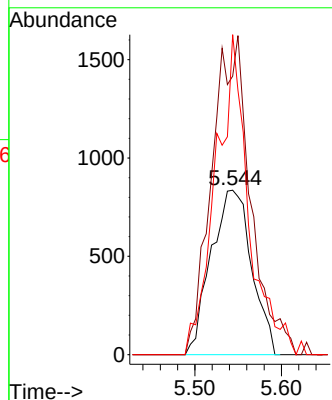
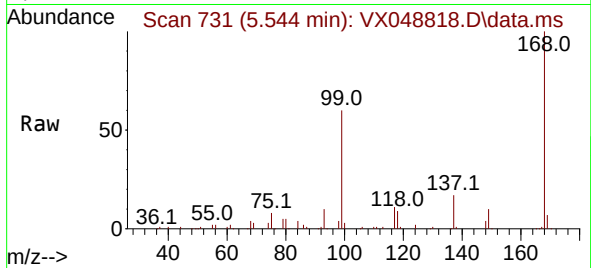




#31
Cyclohexane
Concen: 1.088 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

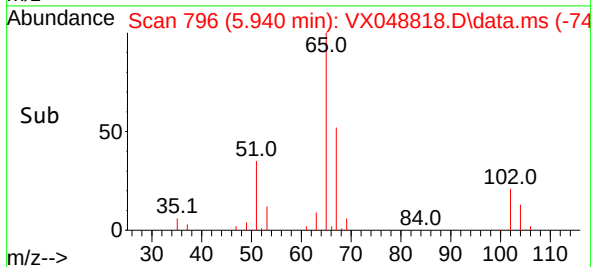
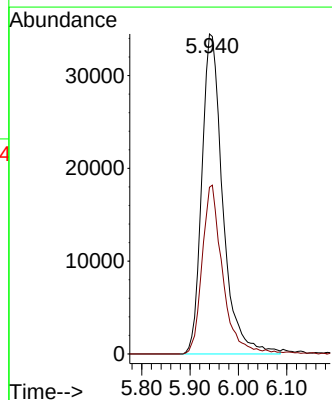
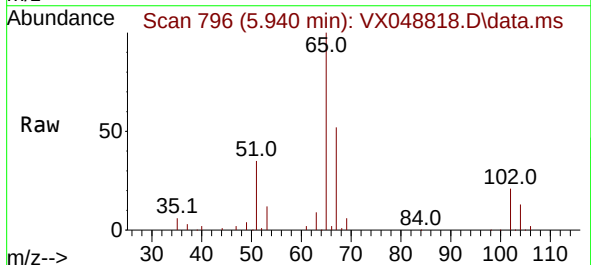
Instrument :
MSVOA_X
ClientSampleId :
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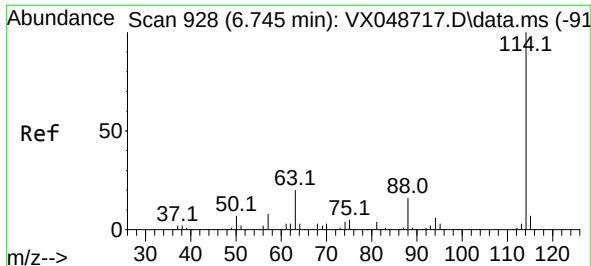
Tgt Ion: 56 Resp: 2721
Ion Ratio Lower Upper
56 100
69 169.4 24.2 36.2#
84 194.6 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 56.036 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

Tgt Ion: 65 Resp: 103725
Ion Ratio Lower Upper
65 100
67 51.7 0.0 107.4

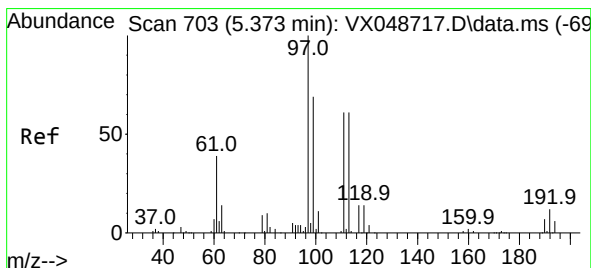
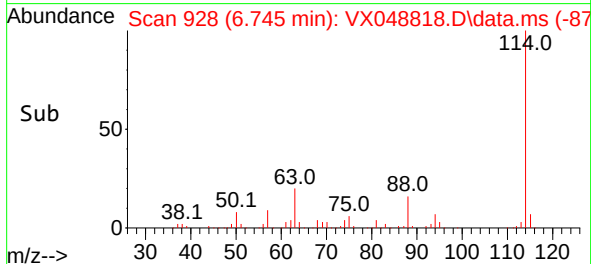
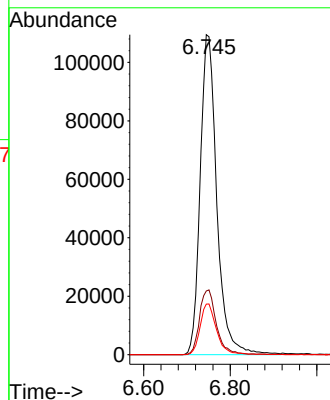
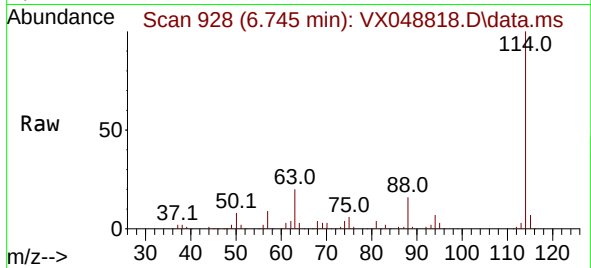




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

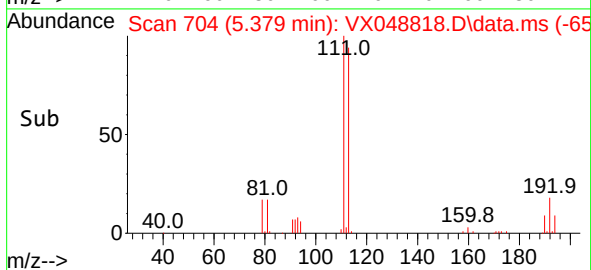
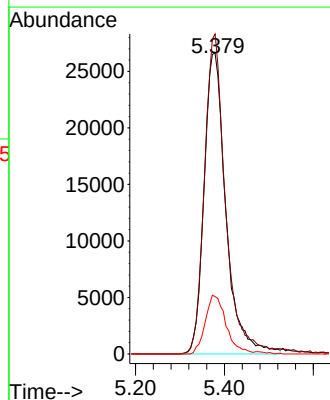
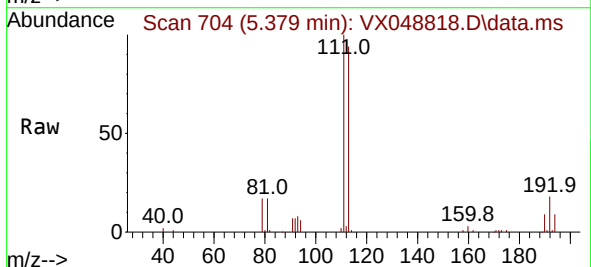
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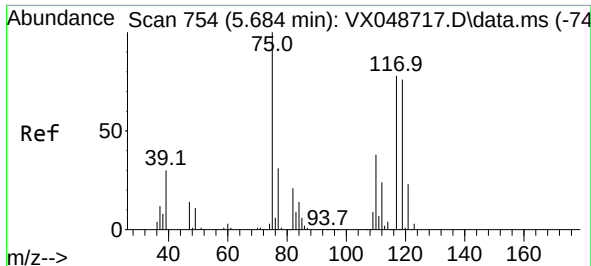
Tgt Ion:114 Resp: 291436
Ion Ratio Lower Upper
114 100
63 19.9 0.0 39.0
88 15.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.315 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

Tgt Ion:113 Resp: 90931
Ion Ratio Lower Upper
113 100
111 103.7 79.5 119.3
192 18.6 16.1 24.1

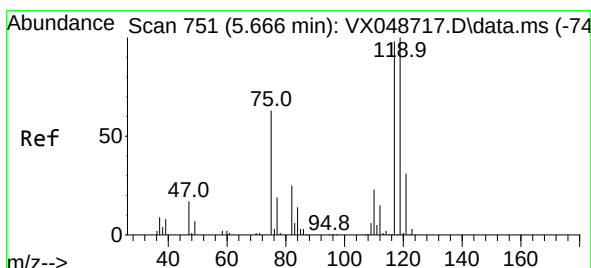
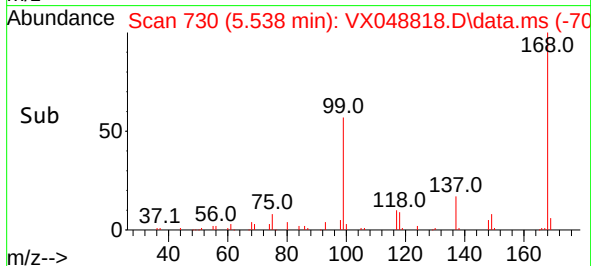
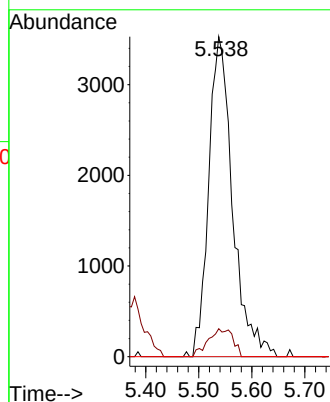
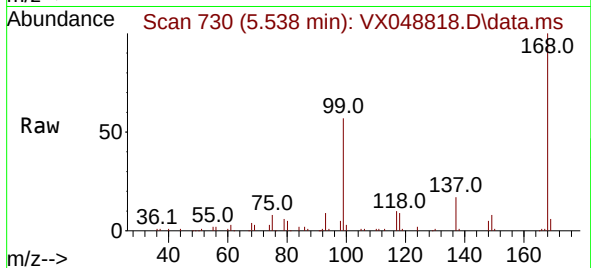




#36
 1,1-Dichloropropene
 Concen: 4.020 ug/l
 RT: 5.538 min Scan# 711
 Delta R.T. -0.146 min
 Lab File: VX048818.D
 Acq: 10 Dec 2025 17:35

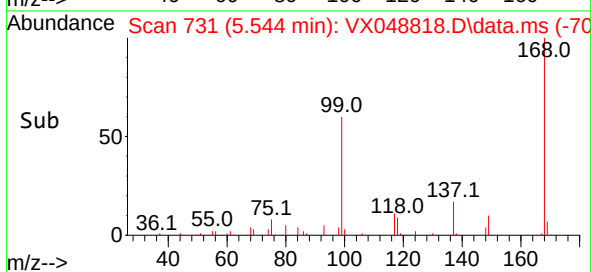
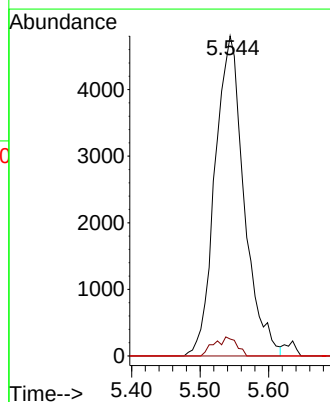
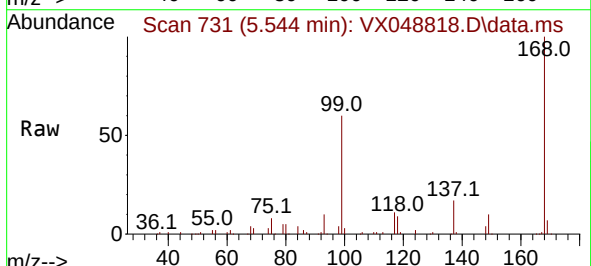
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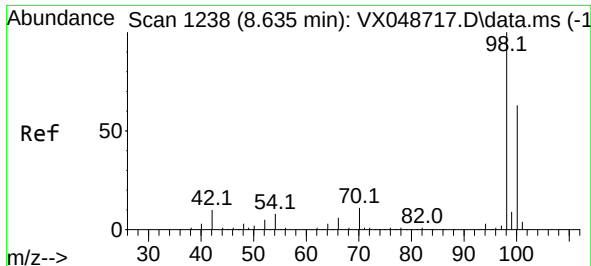
Tgt Ion: 75 Resp: 11048
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.6 55.8#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 4.550 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. -0.122 min
 Lab File: VX048818.D
 Acq: 10 Dec 2025 17:35

Tgt Ion: 117 Resp: 14164
 Ion Ratio Lower Upper
 117 100
 119 5.3 80.5 120.7#
 121 0.0 25.4 38.0#

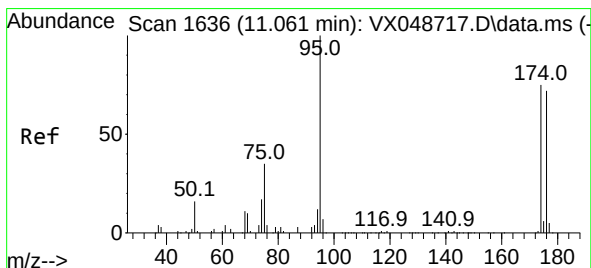
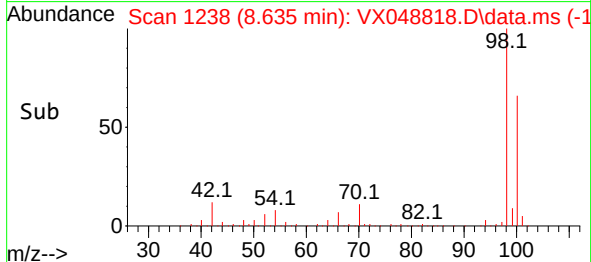
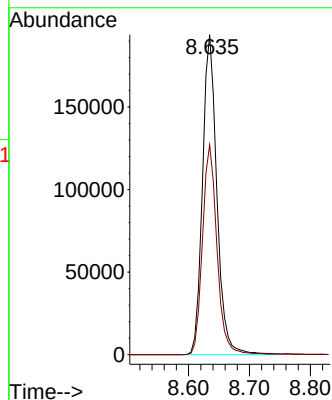
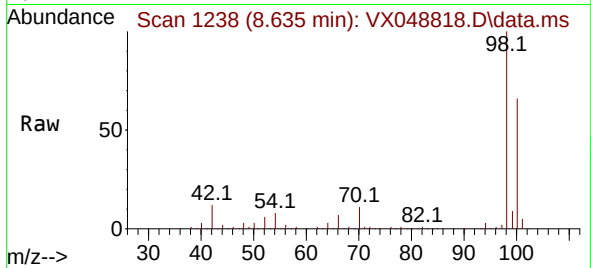




#50
Toluene-d8
Concen: 45.243 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

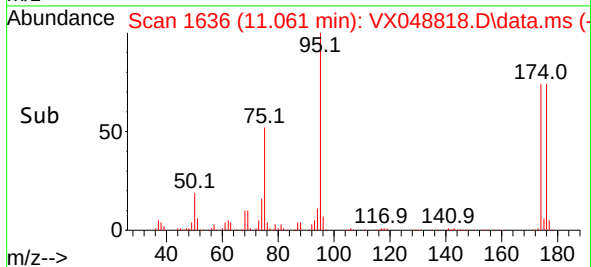
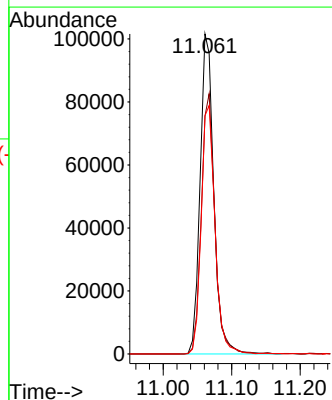
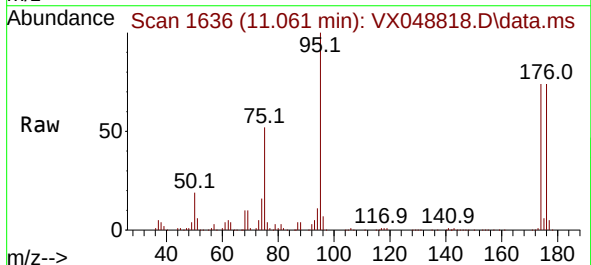
Instrument :
MSVOA_X
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TB-20251203

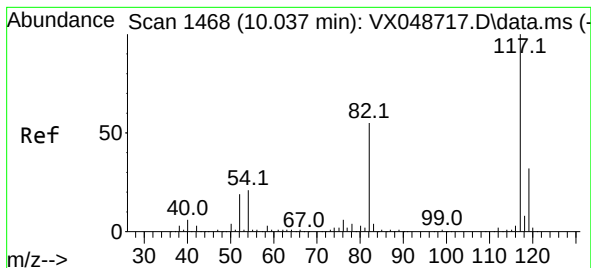
Tgt Ion: 98 Resp: 318234
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 58.175 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

Tgt Ion: 95 Resp: 141105
Ion Ratio Lower Upper
95 100
174 80.8 0.0 157.8
176 78.4 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048818.D

Acq: 10 Dec 2025 17:35

Instrument :

MSVOA_X

ClientSampleId :

TB-20251203

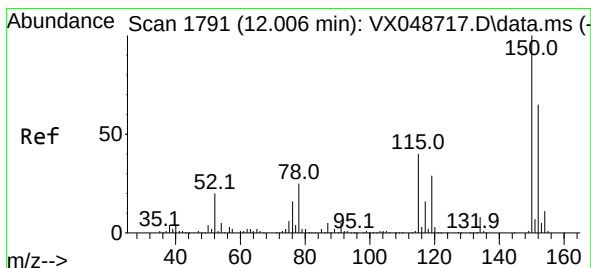
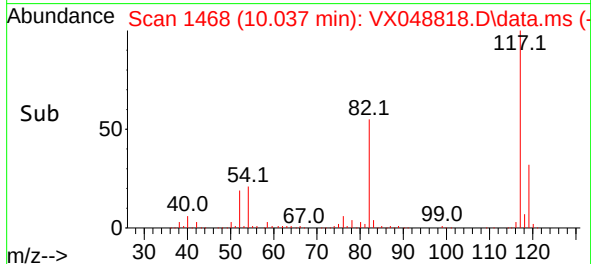
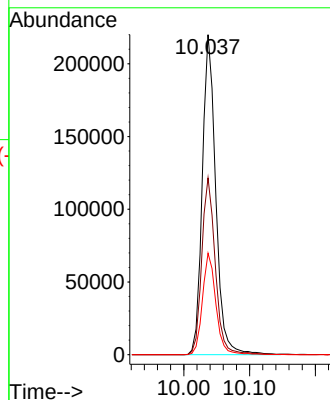
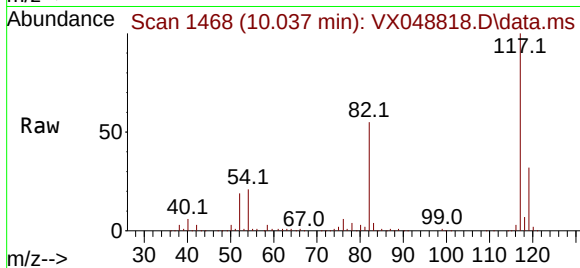
Tgt Ion:117 Resp: 314013

Ion Ratio Lower Upper

117 100

82 55.3 44.1 66.1

119 31.7 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048818.D

Acq: 10 Dec 2025 17:35

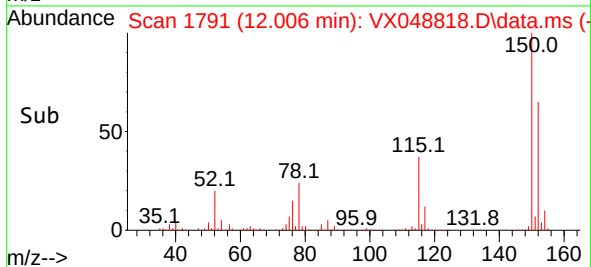
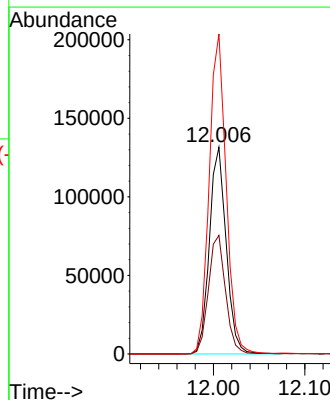
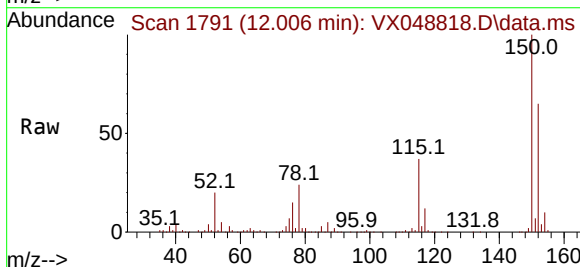
Tgt Ion:152 Resp: 168146

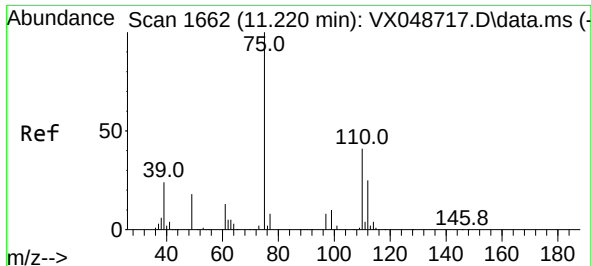
Ion Ratio Lower Upper

152 100

115 58.5 42.1 126.4

150 155.8 0.0 347.8

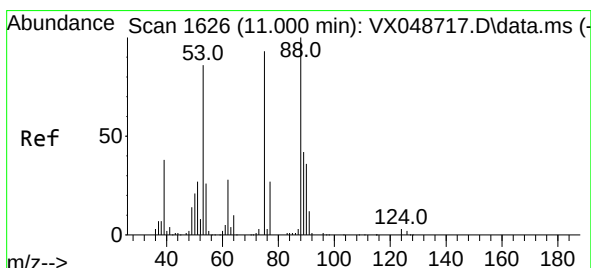
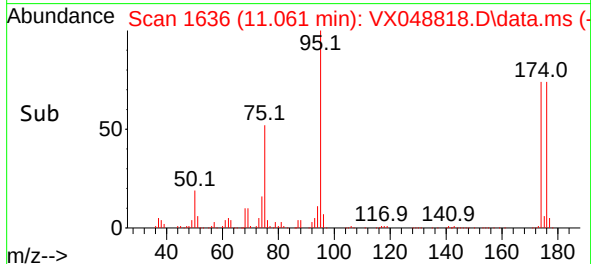
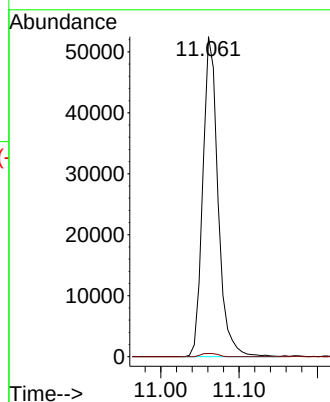
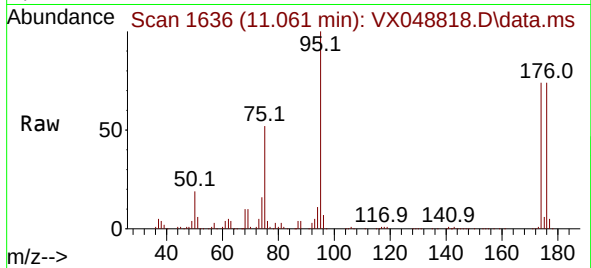




#76
1,2,3-Trichloropropane
Concen: 22.666 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

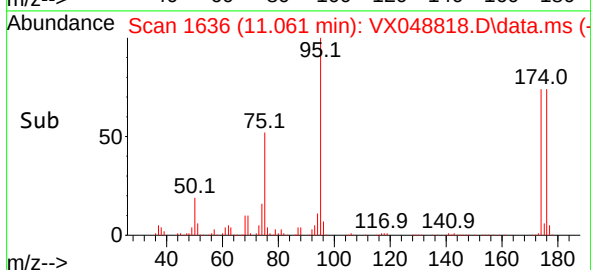
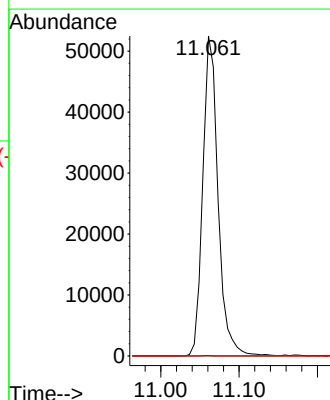
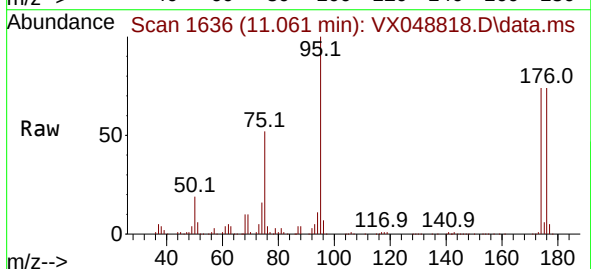
Instrument :
MSVOA_X
ClientSampleId :
TB-20251203

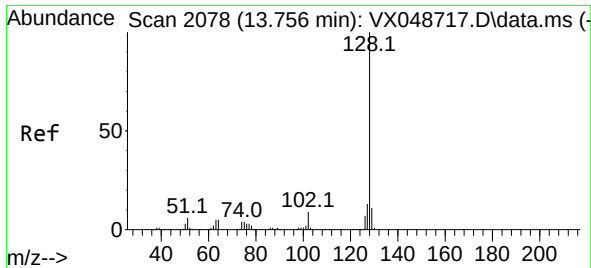
Tgt Ion: 75 Resp: 70984
Ion Ratio Lower Upper
75 100
77 1.1 24.3 73.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.840 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

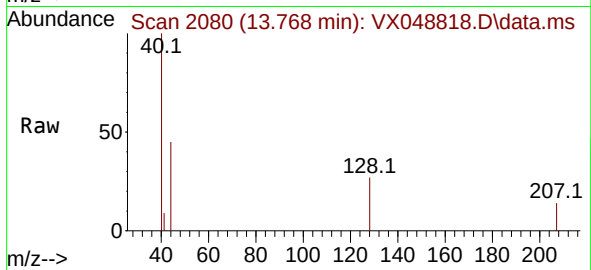
Tgt Ion: 75 Resp: 70984
Ion Ratio Lower Upper
75 100
53 0.1 79.9 119.9#
89 0.0 67.1 100.7#





#95
Naphthalene
Concen: Below Cal
RT: 13.768 min Scan# 2078
Delta R.T. 0.012 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

Instrument :
MSVOA_X
ClientSampleId :
TB-20251203



Tgt Ion:128 Resp: 223
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

