

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121625\
 Data File : VX048903.D
 Acq On : 16 Dec 2025 21:16
 Operator : JC/MD
 Sample : Q3850-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Dec 17 03:30:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 17 03:22:16 2025
 Response via : Initial Calibration

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

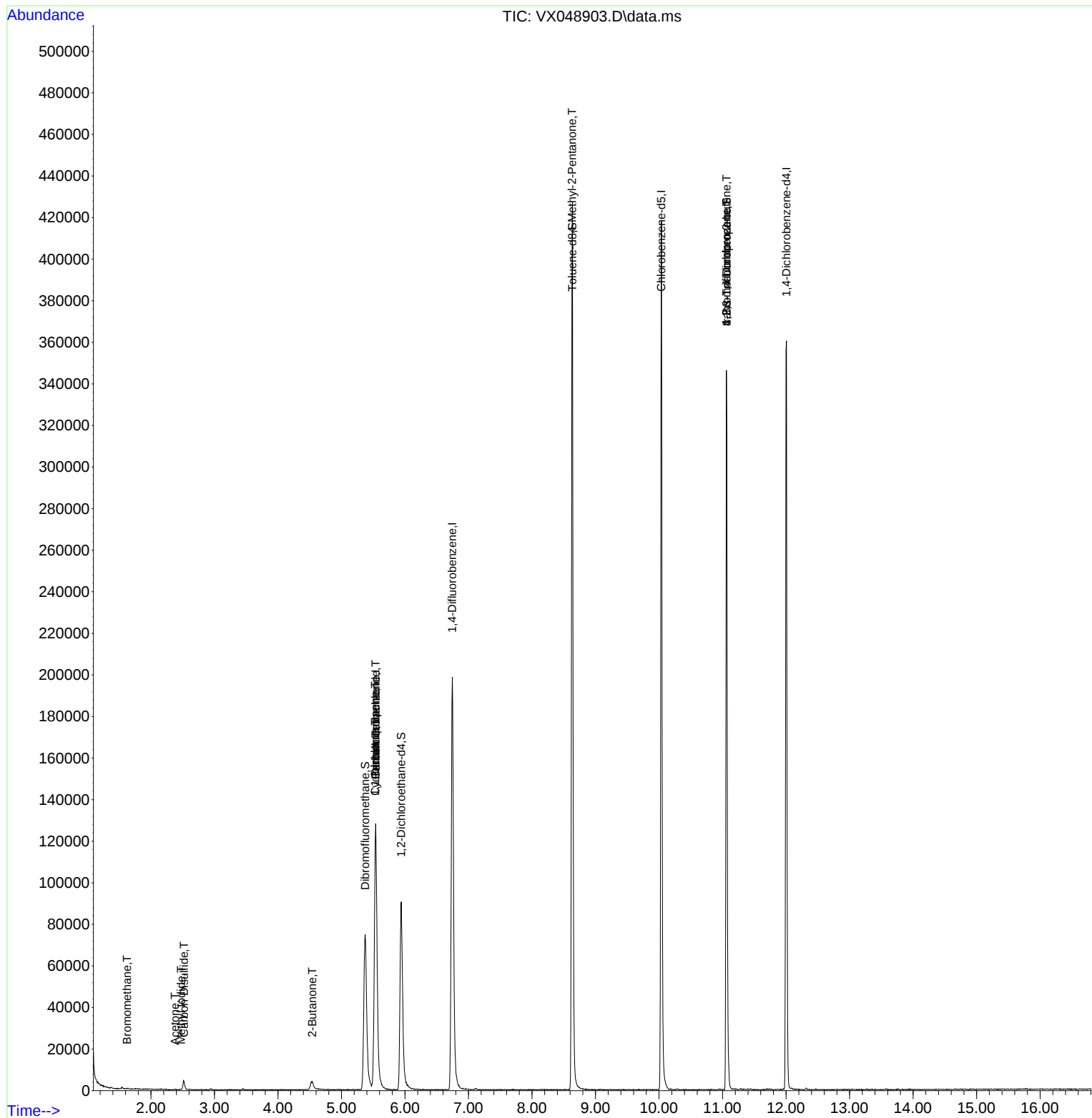
Internal Standards						
1) Pentafluorobenzene	5.538	168	126689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	213949	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	189559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	79117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	96843	45.731	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.460%
35) Dibromofluoromethane	5.373	113	73911	46.478	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.960%
50) Toluene-d8	8.635	98	260868	45.949	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.900%#
62) 4-Bromofluorobenzene	11.061	95	95077	46.645	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.280%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	240	0.216	ug/l #	75
10) Methyl Iodide	2.477	142	618	0.324	ug/l #	56
16) Acetone	2.380	43	366	0.820	ug/l #	43
17) Carbon Disulfide	2.520	76	1589	0.398	ug/l #	90
25) 2-Butanone	4.538	43	151	0.216	ug/l #	46
31) Cyclohexane	5.531	56	2827	1.188	ug/l #	20
36) 1,1-Dichloropropene	5.531	75	10784	5.403	ug/l #	48
38) Carbon Tetrachloride	5.538	117	13230	5.561	ug/l #	13
51) 4-Methyl-2-Pentanone	8.628	43	1355	0.766	ug/l #	1
76) 1,2,3-Trichloropropane	11.061	75	50648	39.814	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	50648	101.119	ug/l #	3

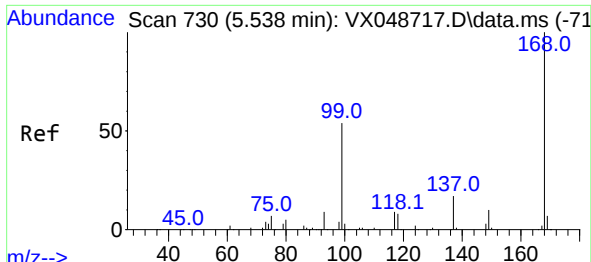
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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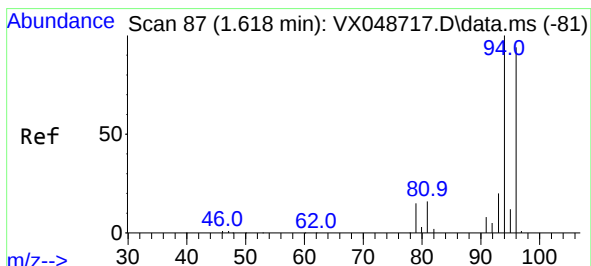
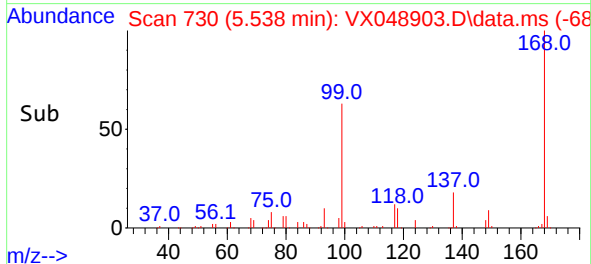
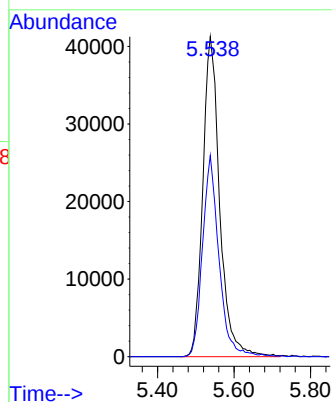
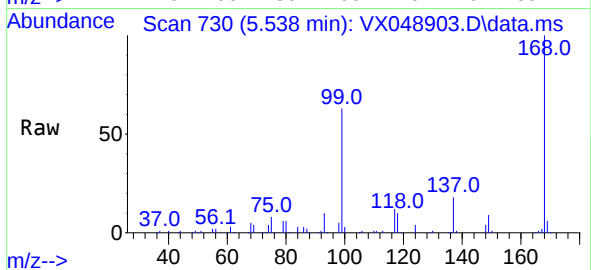




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048903.D
Acq: 16 Dec 2025 21:16

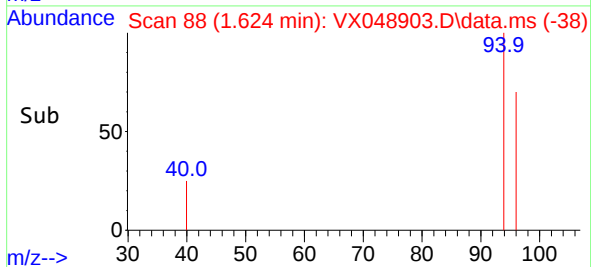
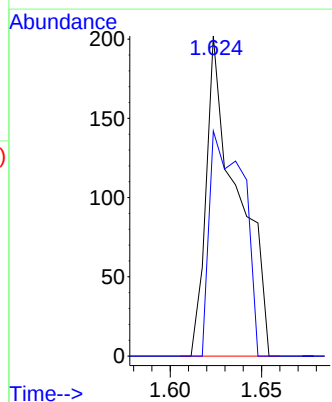
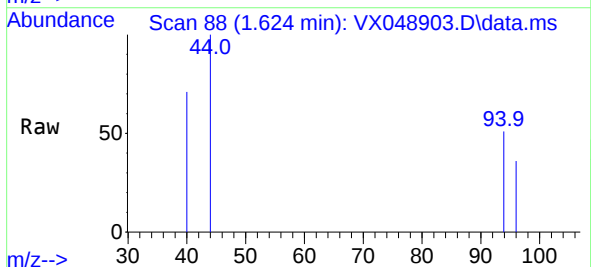
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

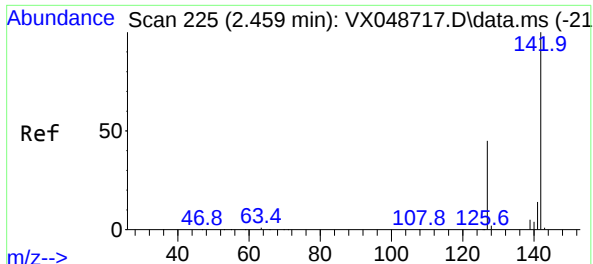
Tgt Ion:168 Resp: 126689
Ion Ratio Lower Upper
168 100
99 62.8 44.2 66.4



#5
Bromomethane
Concen: 0.216 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.006 min
Lab File: VX048903.D
Acq: 16 Dec 2025 21:16

Tgt Ion: 94 Resp: 240
Ion Ratio Lower Upper
94 100
96 70.3 75.2 112.8#

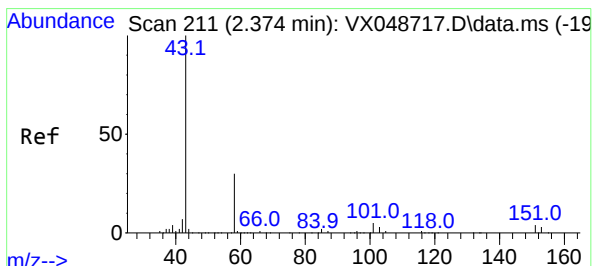
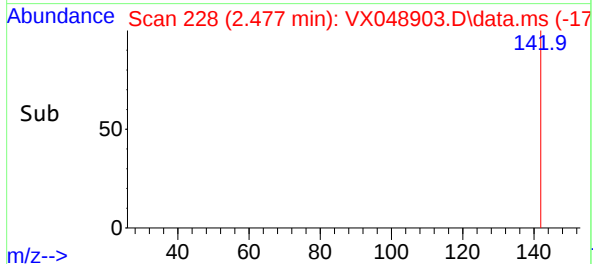
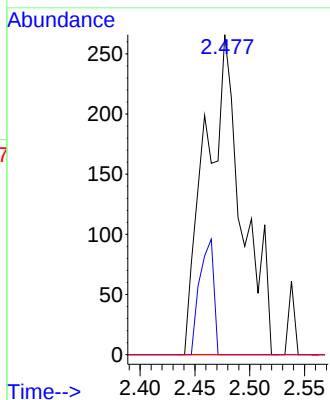
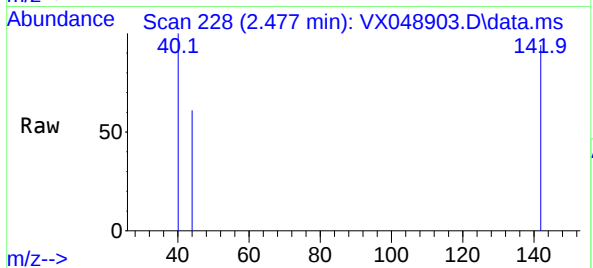




#10
Methyl Iodide
Concen: 0.324 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX048903.D
Acq: 16 Dec 2025 21:16

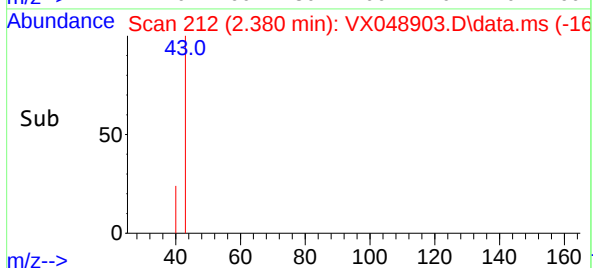
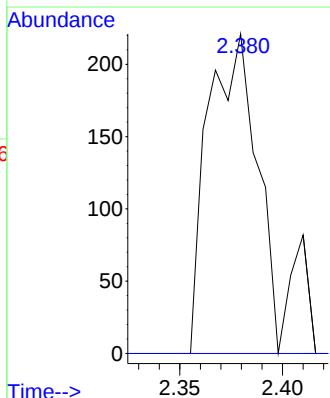
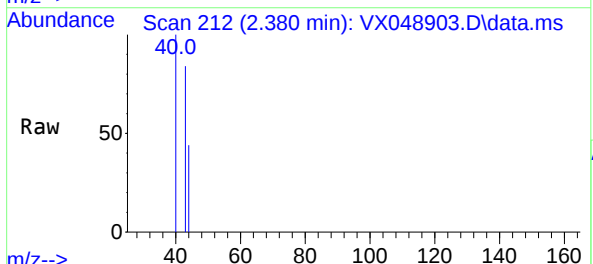
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

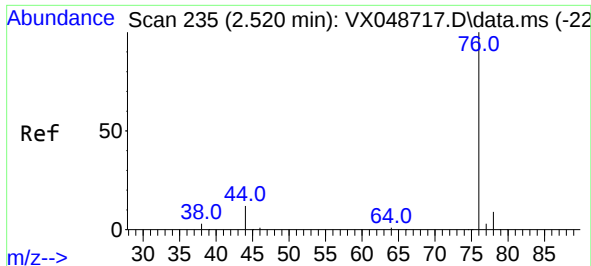
Tgt Ion:142 Resp: 618
Ion Ratio Lower Upper
142 100
127 13.9 35.8 53.6#
141 0.0 11.1 16.7#



#16
Acetone
Concen: 0.820 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048903.D
Acq: 16 Dec 2025 21:16

Tgt Ion: 43 Resp: 366
Ion Ratio Lower Upper
43 100
58 0.0 25.0 37.4#

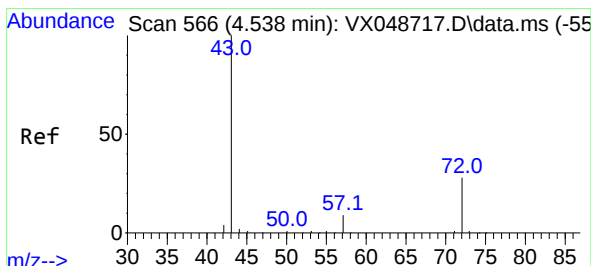
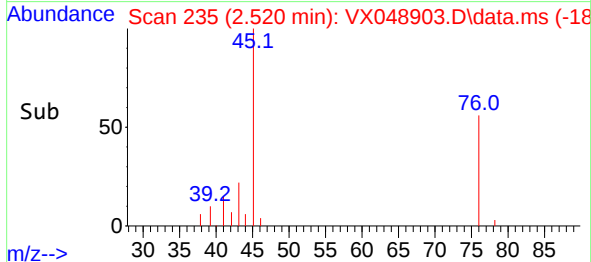
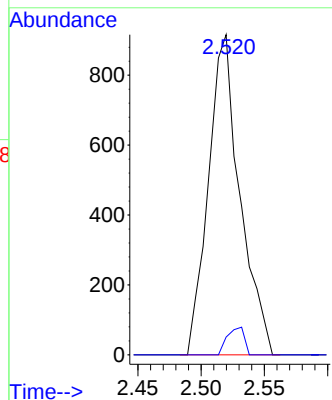
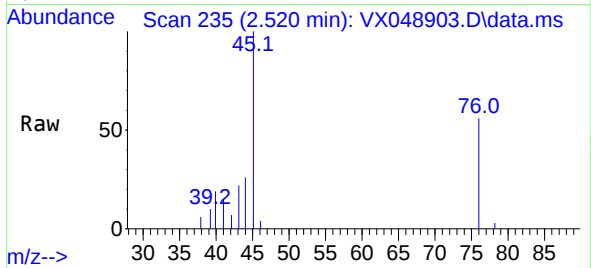




#17
Carbon Disulfide
Concen: 0.398 ug/l
RT: 2.520 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048903.D
Acq: 16 Dec 2025 21:16

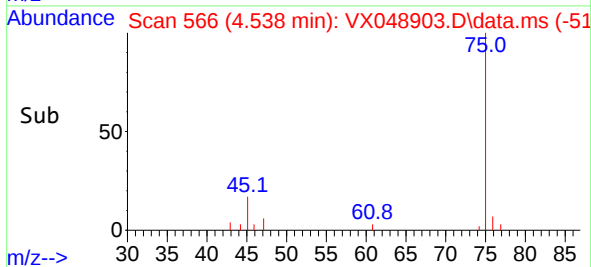
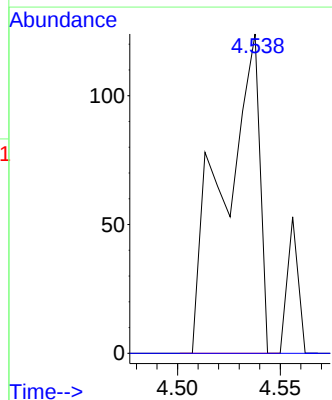
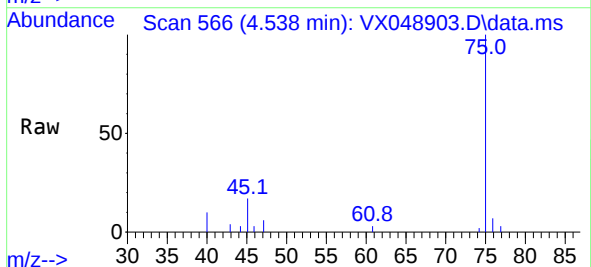
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

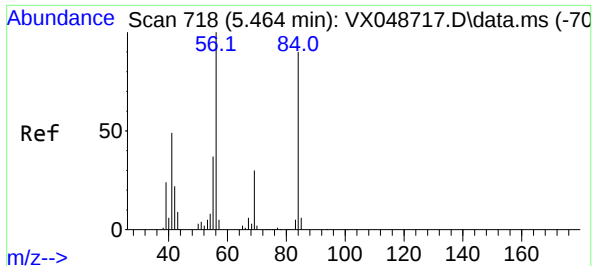
Tgt Ion: 76 Resp: 1589
Ion Ratio Lower Upper
76 100
78 5.6 7.4 11.2#



#25
2-Butanone
Concen: 0.216 ug/l
RT: 4.538 min Scan# 566
Delta R.T. -0.000 min
Lab File: VX048903.D
Acq: 16 Dec 2025 21:16

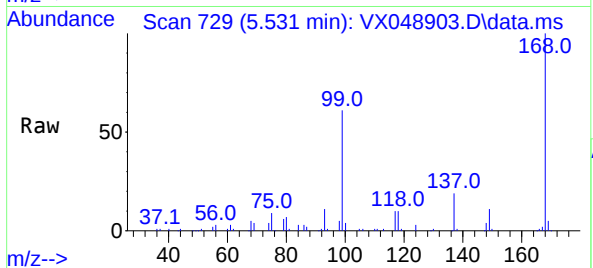
Tgt Ion: 43 Resp: 151
Ion Ratio Lower Upper
43 100
72 0.0 22.6 34.0#



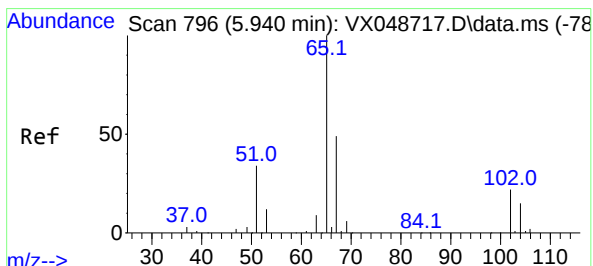
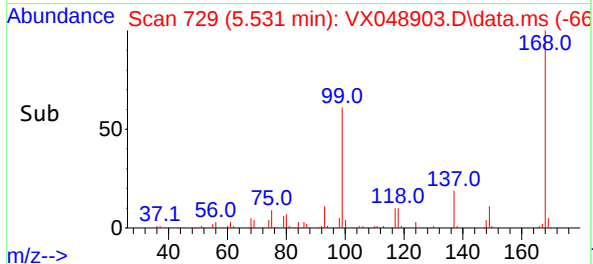
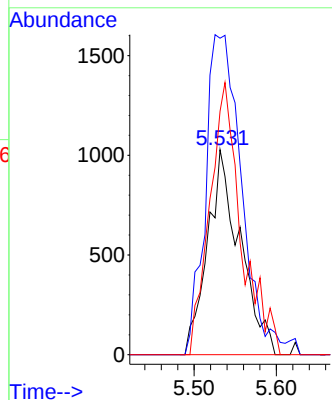


#31
Cyclohexane
Concen: 1.188 ug/l
RT: 5.531 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX048903.D
Acq: 16 Dec 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

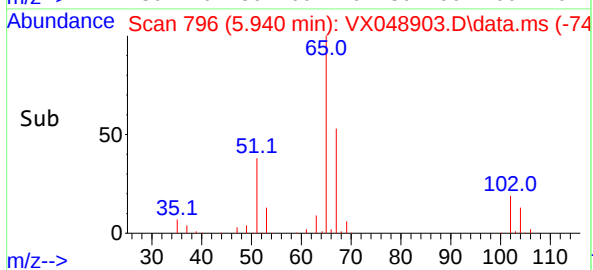
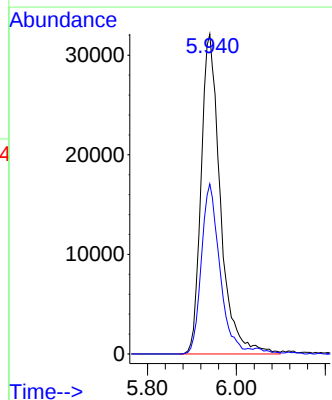
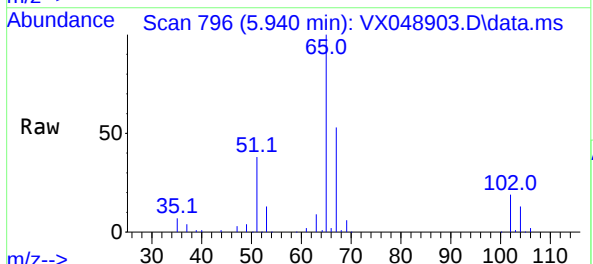


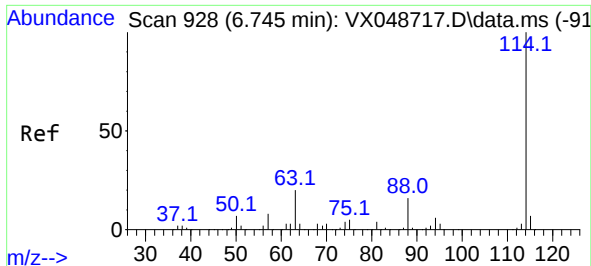
Tgt Ion: 56 Resp: 2827
Ion Ratio Lower Upper
56 100
69 154.4 24.2 36.2#
84 118.8 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 45.731 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048903.D
Acq: 16 Dec 2025 21:16

Tgt Ion: 65 Resp: 96843
Ion Ratio Lower Upper
65 100
67 50.7 0.0 107.4

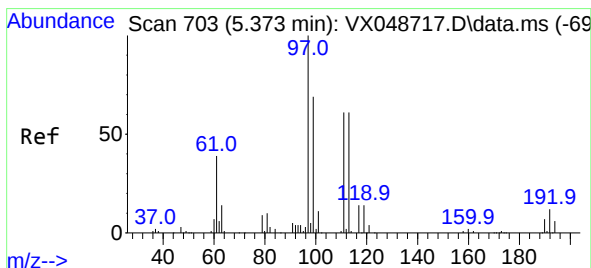
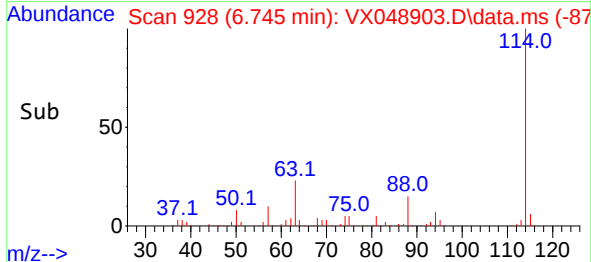
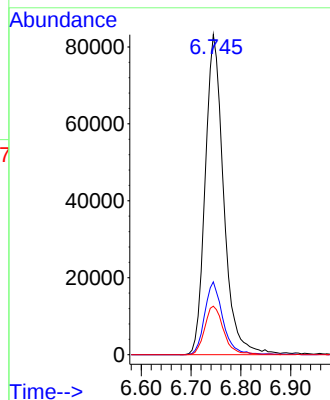
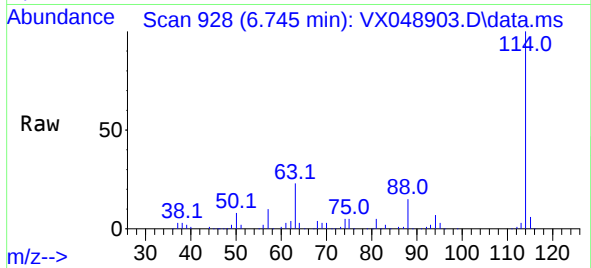




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048903.D
Acq: 16 Dec 2025 21:16

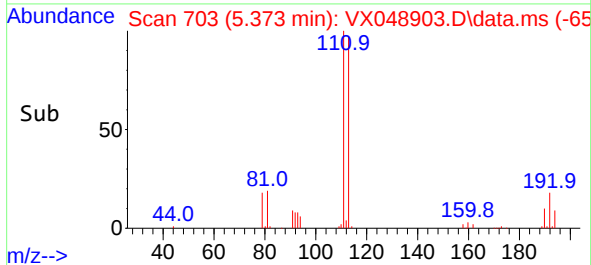
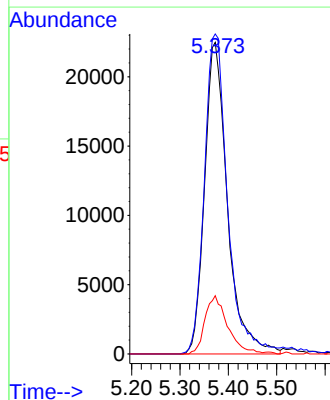
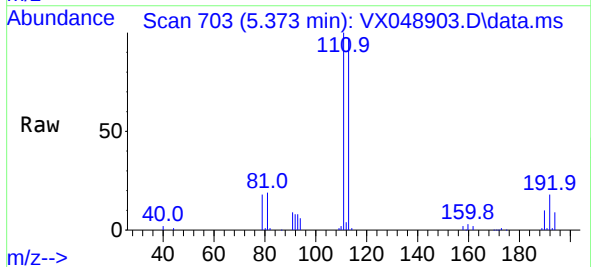
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ClientSampleId :
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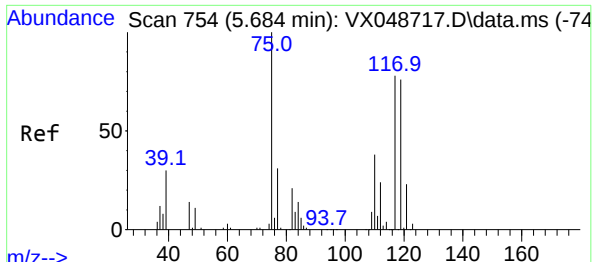
Tgt Ion:114 Resp: 213949
Ion Ratio Lower Upper
114 100
63 22.8 0.0 39.0
88 15.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 46.478 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX048903.D
Acq: 16 Dec 2025 21:16

Tgt Ion:113 Resp: 73911
Ion Ratio Lower Upper
113 100
111 104.2 79.5 119.3
192 18.5 16.1 24.1

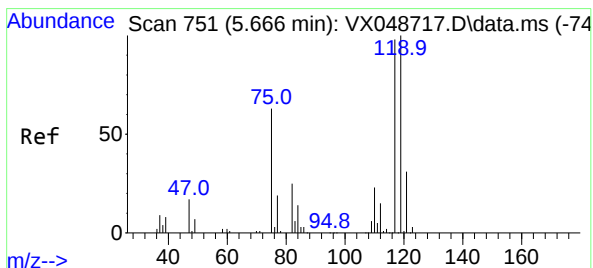
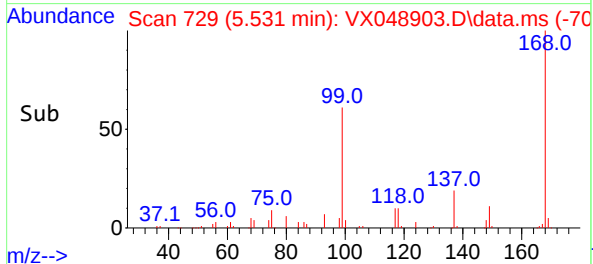
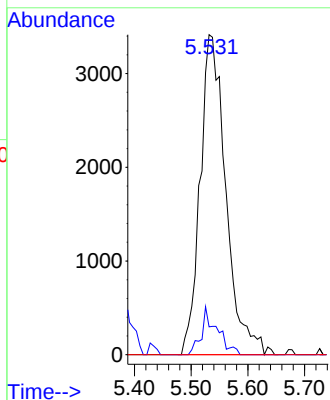
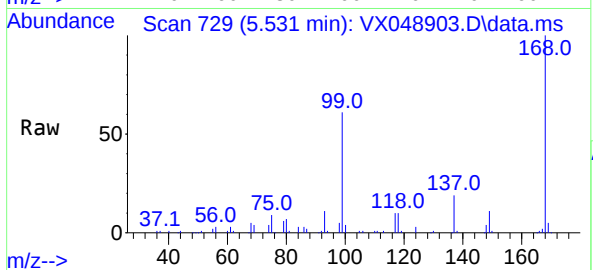




#36
1,1-Dichloropropene
Concen: 5.403 ug/l
RT: 5.531 min Scan# 710
Delta R.T. -0.152 min
Lab File: VX048903.D
Acq: 16 Dec 2025 21:16

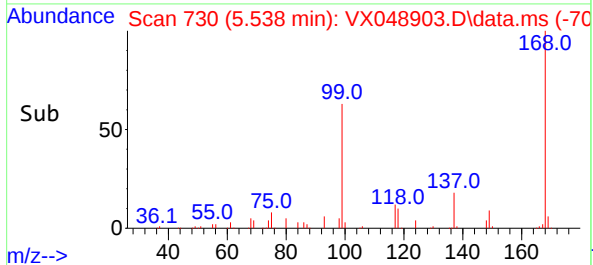
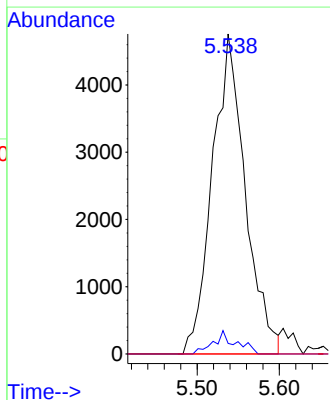
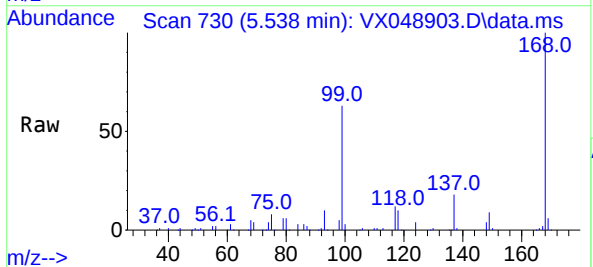
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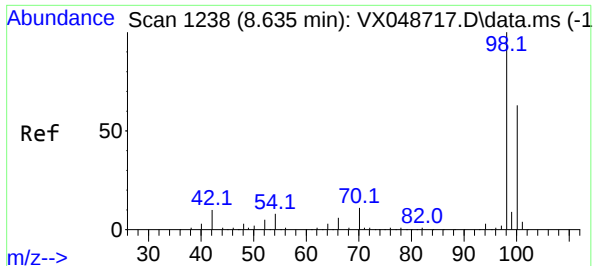
Tgt Ion: 75 Resp: 10784
Ion Ratio Lower Upper
75 100
110 9.1 18.6 55.8#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.561 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX048903.D
Acq: 16 Dec 2025 21:16

Tgt Ion: 117 Resp: 13230
Ion Ratio Lower Upper
117 100
119 3.3 80.5 120.7#
121 0.0 25.4 38.0#

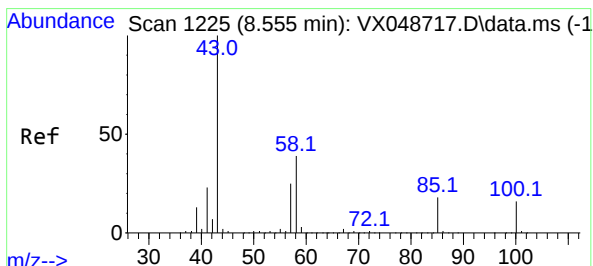
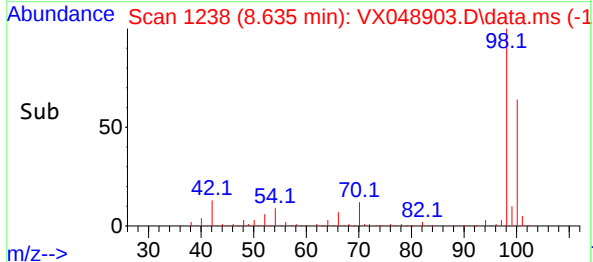
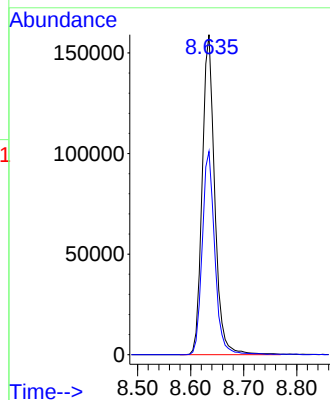
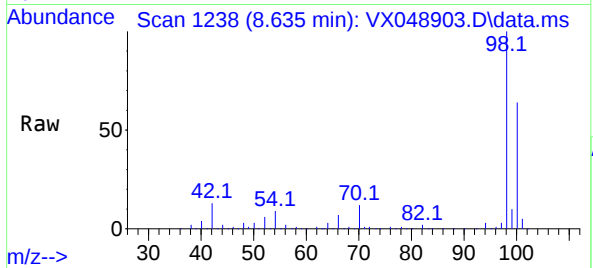




#50
Toluene-d8
Concen: 45.949 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048903.D
Acq: 16 Dec 2025 21:16

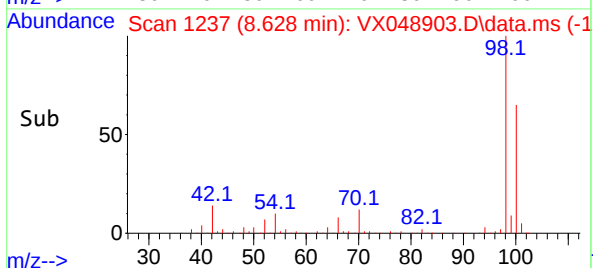
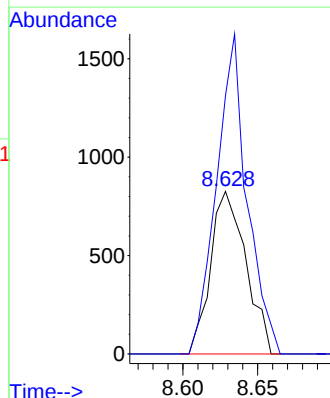
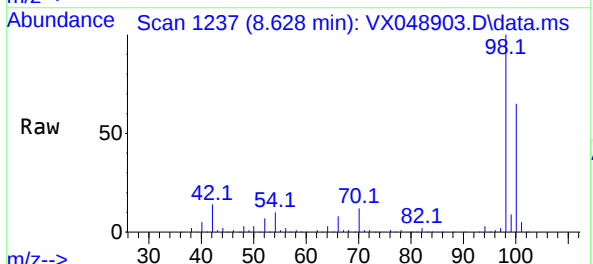
Instrument :
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STORAGE-BLANK-WATER-REF-4

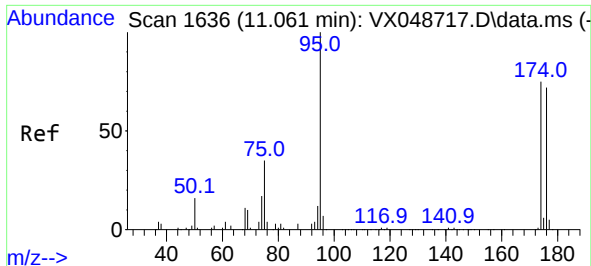
Tgt Ion: 98 Resp: 260868
Ion Ratio Lower Upper
98 100
100 63.7 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.766 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. 0.073 min
Lab File: VX048903.D
Acq: 16 Dec 2025 21:16

Tgt Ion: 43 Resp: 1355
Ion Ratio Lower Upper
43 100
58 170.9 32.2 48.4#

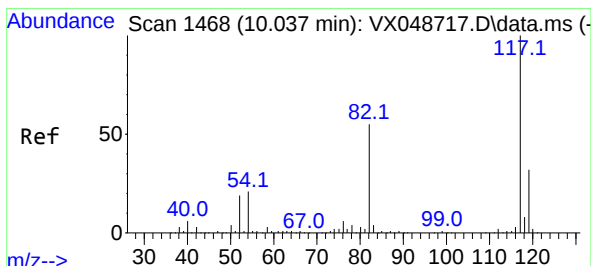
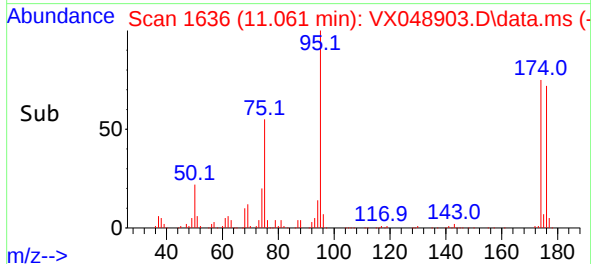
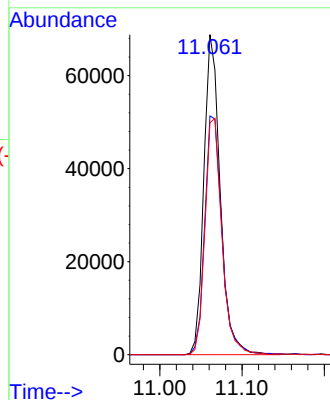
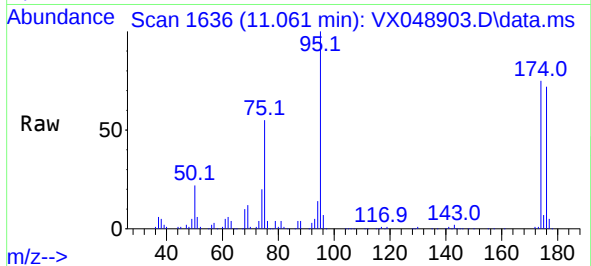




#62
4-Bromofluorobenzene
Concen: 46.645 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048903.D
Acq: 16 Dec 2025 21:16

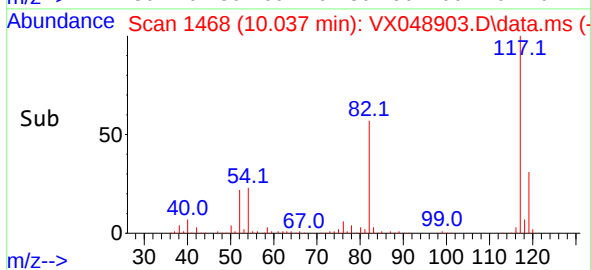
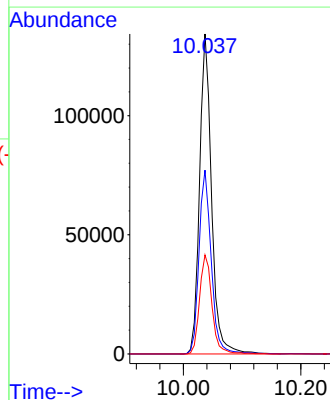
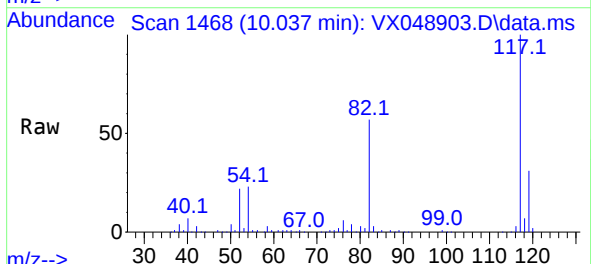
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

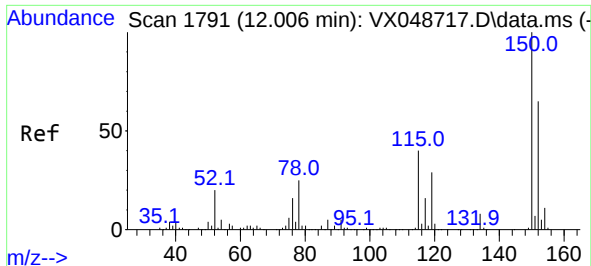
Tgt Ion: 95 Resp: 95077
Ion Ratio Lower Upper
95 100
174 79.2 0.0 157.8
176 76.3 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048903.D
Acq: 16 Dec 2025 21:16

Tgt Ion: 117 Resp: 189559
Ion Ratio Lower Upper
117 100
82 57.5 44.1 66.1
119 31.0 25.2 37.8

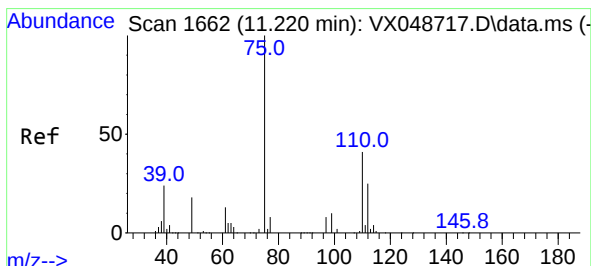
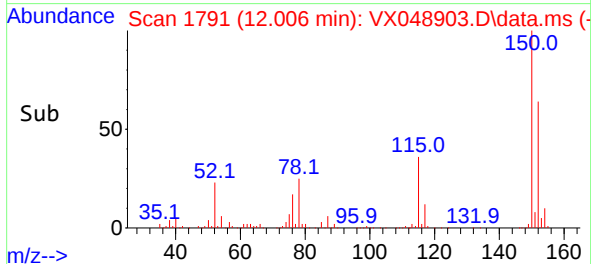
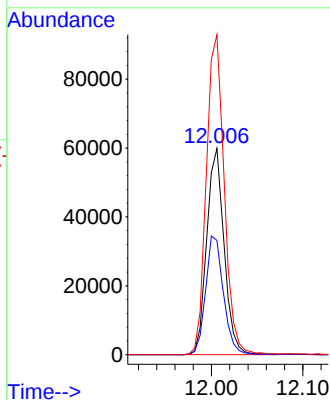
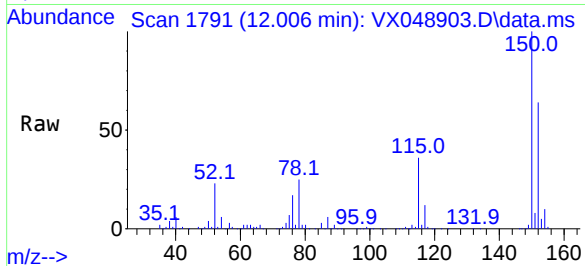




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048903.D
Acq: 16 Dec 2025 21:16

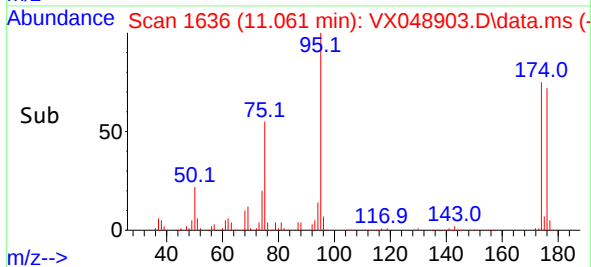
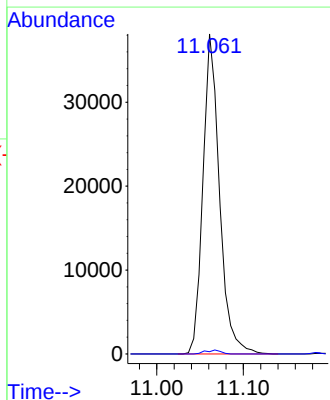
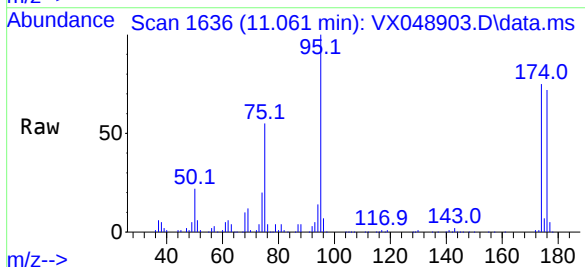
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

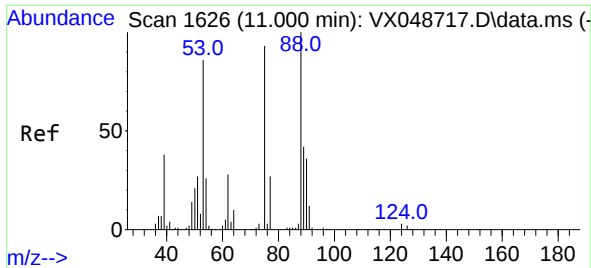
Tgt Ion:152 Resp: 79117
Ion Ratio Lower Upper
152 100
115 59.0 42.1 126.4
150 159.9 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 39.814 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048903.D
Acq: 16 Dec 2025 21:16

Tgt Ion: 75 Resp: 50648
Ion Ratio Lower Upper
75 100
77 1.1 24.3 73.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 101.119 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048903.D
Acq: 16 Dec 2025 21:16

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 75 Resp: 50648
Ion Ratio Lower Upper
75 100
53 0.1 79.9 119.9#
89 0.0 67.1 100.7#

