

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082925\
 Data File : VX047566.D
 Acq On : 29 Aug 2025 13:24
 Operator : JC/MD
 Sample : Q2987-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Aug 29 23:54:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 02:31:18 2025
 Response via : Initial Calibration

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

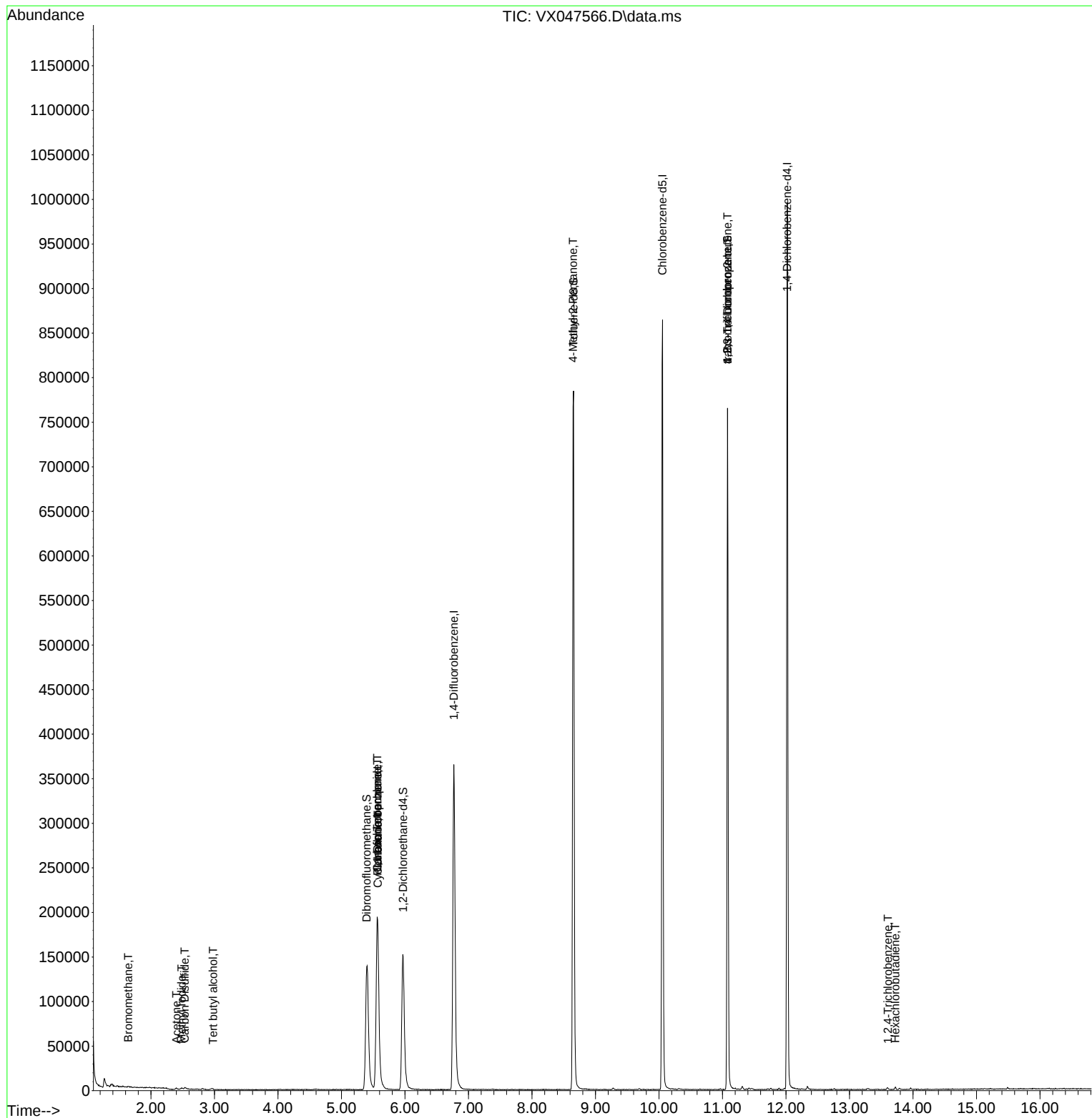
Internal Standards						
1) Pentafluorobenzene	5.568	168	194659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	390750	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	397369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	200391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	162922	54.502	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 109.000%		
35) Dibromofluoromethane	5.398	113	134869	50.289	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.580%		
50) Toluene-d8	8.653	98	483022	51.383	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 102.760%		
62) 4-Bromofluorobenzene	11.079	95	202701	57.398	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 114.800%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	621	0.525	ug/l	93
10) Methyl Iodide	2.483	142	2867	0.747	ug/l #	86
11) Tert butyl alcohol	2.977	59	195	0.710	ug/l #	73
16) Acetone	2.398	43	1826	1.542	ug/l	93
17) Carbon Disulfide	2.532	76	1727	0.236	ug/l #	90
31) Cyclohexane	5.574	56	4512	1.073	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	16203	4.245	ug/l #	51
38) Carbon Tetrachloride	5.562	117	21024	4.964	ug/l #	18
51) 4-Methyl-2-Pentanone	8.647	43	2292	0.642	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.208	63	441	Below Cal	#	47
76) 1,2,3-Trichloropropane	11.079	75	104474	29.211	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	104474	103.279	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.603	180	887	0.211	ug/l	96
94) Hexachlorobutadiene	13.719	225	465	0.318	ug/l	90

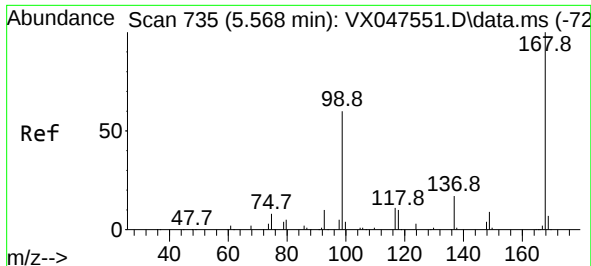
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Quant Time: Aug 29 23:54:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 29 02:31:18 2025
Response via : Initial Calibration

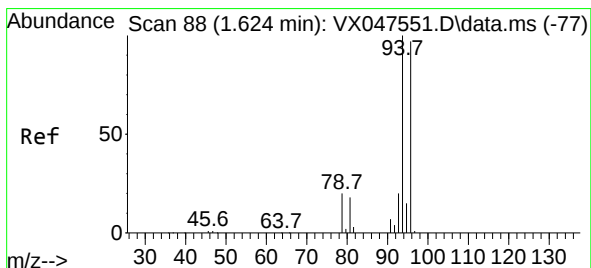
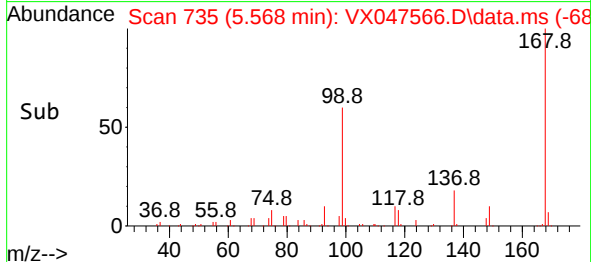
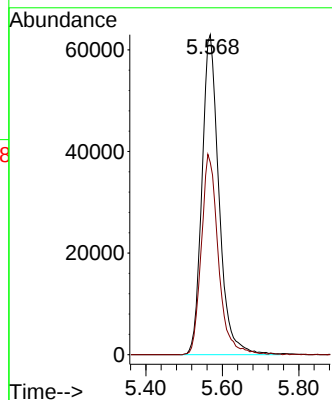
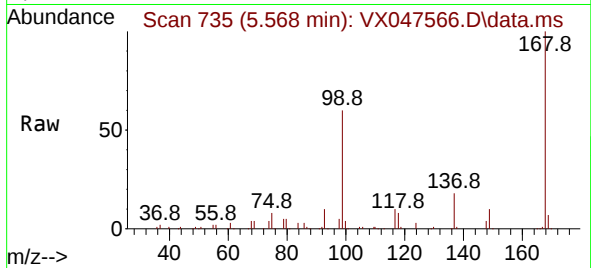




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047566.D
Acq: 29 Aug 2025 13:24

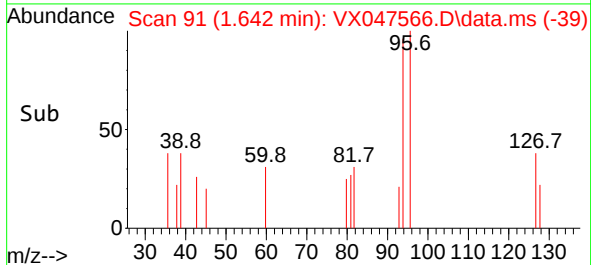
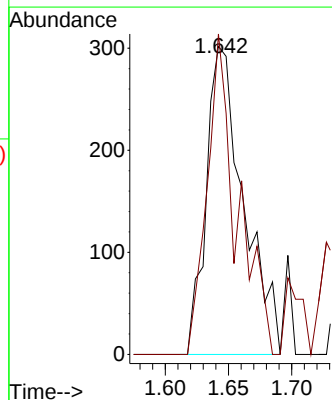
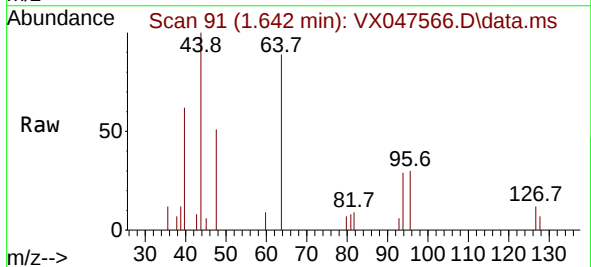
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

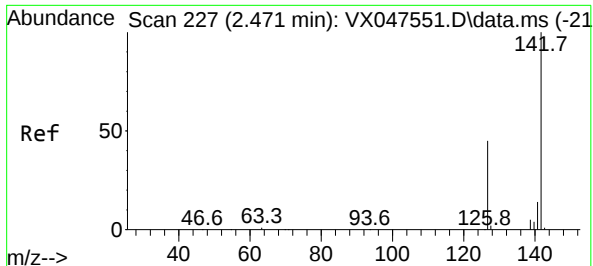
Tgt Ion:168 Resp: 194659
Ion Ratio Lower Upper
168 100
99 60.1 48.9 73.3



#5
Bromomethane
Concen: 0.525 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX047566.D
Acq: 29 Aug 2025 13:24

Tgt Ion: 94 Resp: 621
Ion Ratio Lower Upper
94 100
96 104.0 77.7 116.5

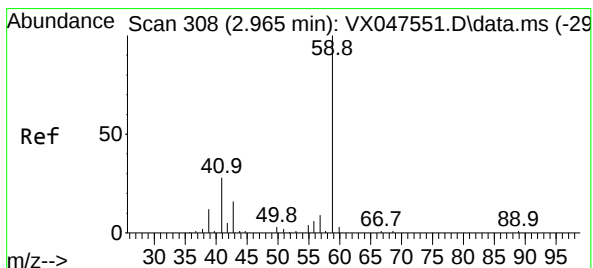
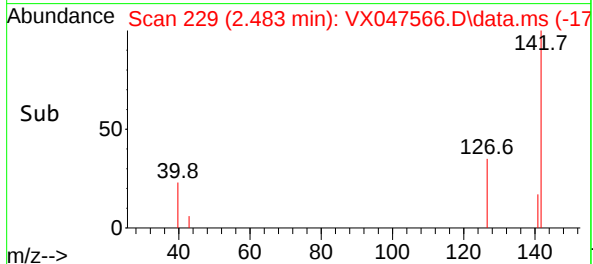
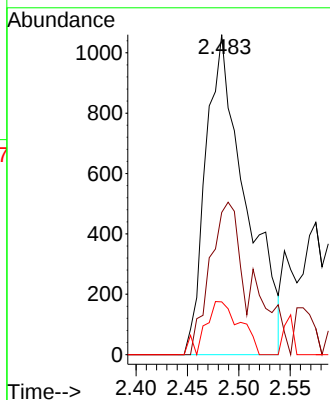
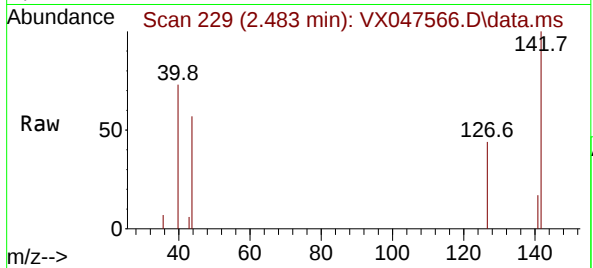




#10
Methyl Iodide
Concen: 0.747 ug/l
RT: 2.483 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX047566.D
Acq: 29 Aug 2025 13:24

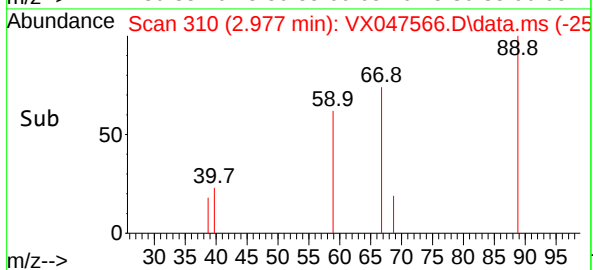
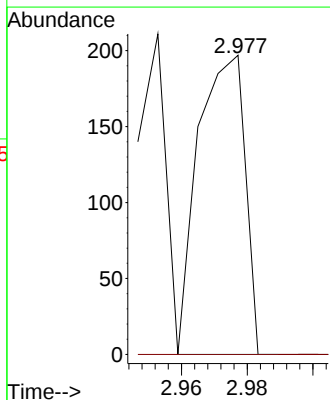
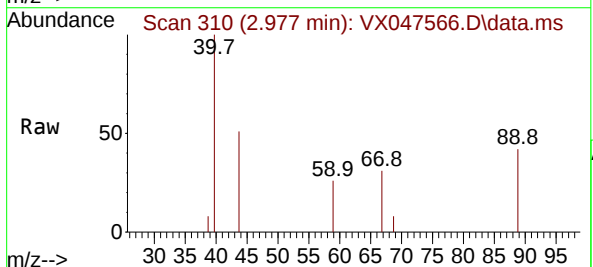
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

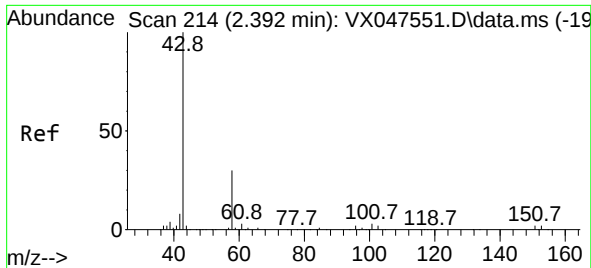
Tgt Ion:142 Resp: 2867
Ion Ratio Lower Upper
142 100
127 35.6 37.6 56.4#
141 14.5 10.6 16.0



#11
Tert butyl alcohol
Concen: 0.710 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.012 min
Lab File: VX047566.D
Acq: 29 Aug 2025 13:24

Tgt Ion: 59 Resp: 195
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

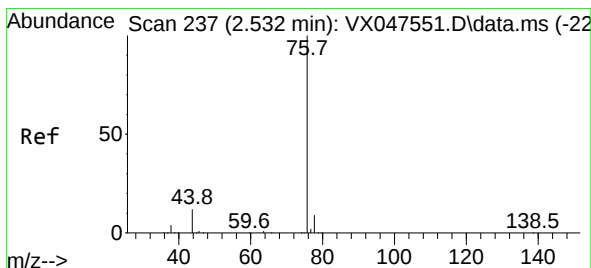
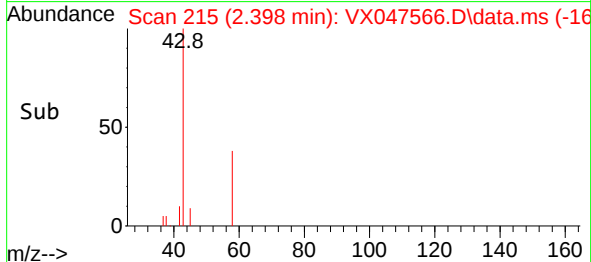
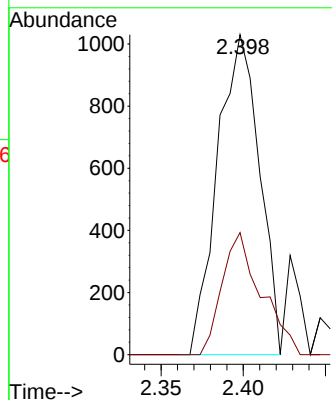
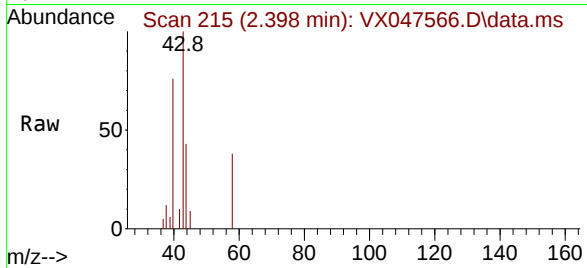




#16
Acetone
Concen: 1.542 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047566.D
Acq: 29 Aug 2025 13:24

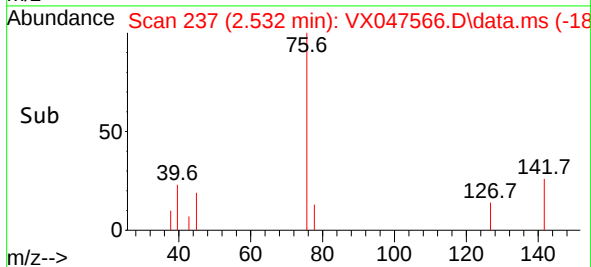
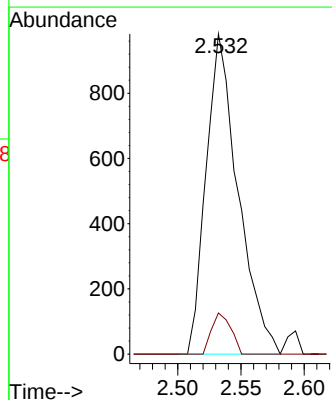
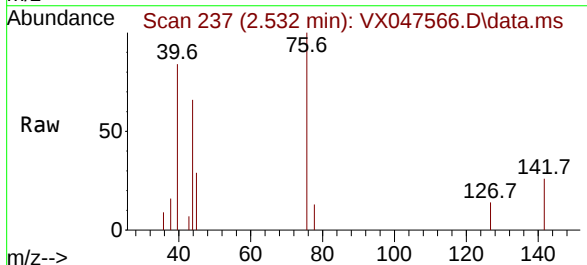
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

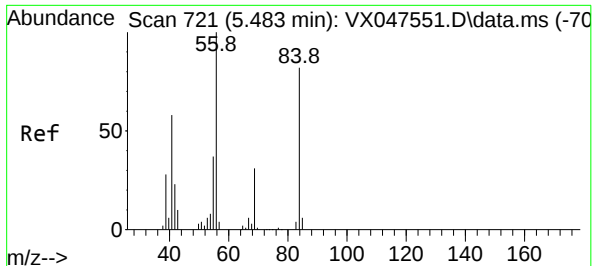
Tgt Ion: 43 Resp: 1826
Ion Ratio Lower Upper
43 100
58 26.6 24.2 36.2



#17
Carbon Disulfide
Concen: 0.236 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047566.D
Acq: 29 Aug 2025 13:24

Tgt Ion: 76 Resp: 1727
Ion Ratio Lower Upper
76 100
78 12.8 7.4 11.0#

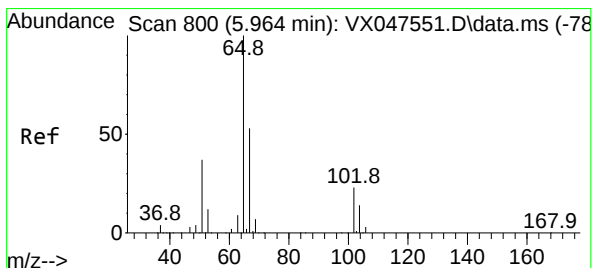
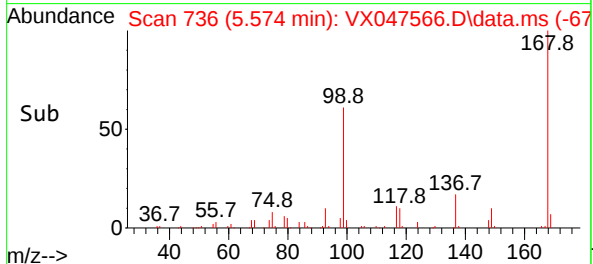
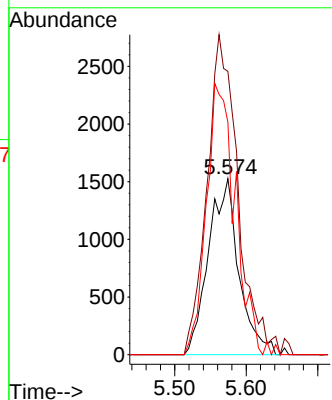
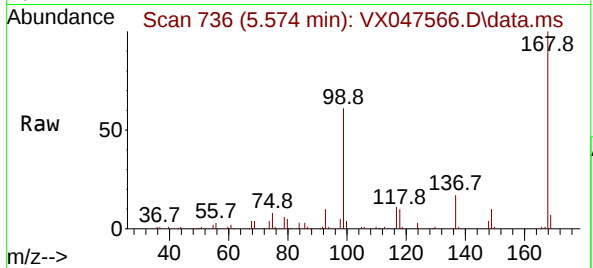




#31
Cyclohexane
Concen: 1.073 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.091 min
Lab File: VX047566.D
Acq: 29 Aug 2025 13:24

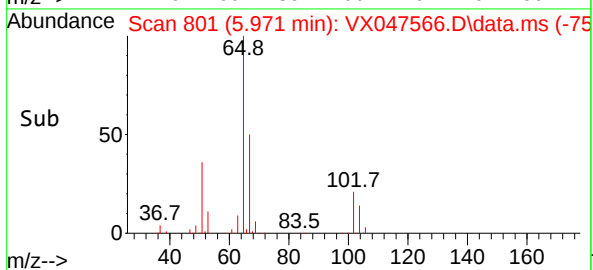
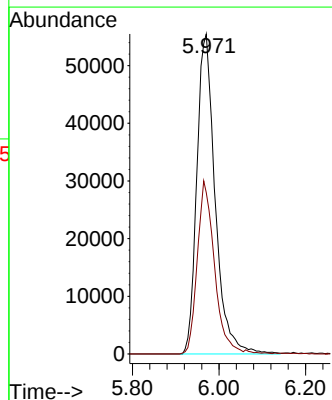
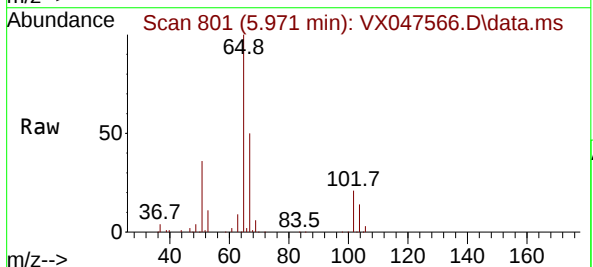
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

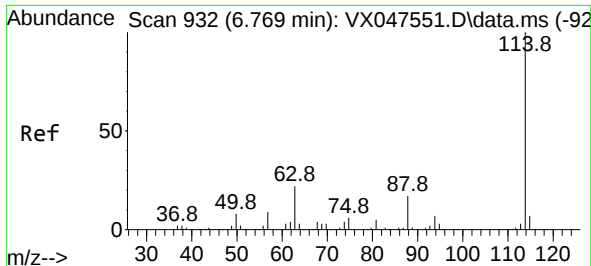
Tgt Ion: 56 Resp: 4512
Ion Ratio Lower Upper
56 100
69 161.1 24.2 36.2#
84 132.2 65.5 98.3#



#33
1,2-Dichloroethane-d4
Concen: 54.502 ug/l
RT: 5.971 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047566.D
Acq: 29 Aug 2025 13:24

Tgt Ion: 65 Resp: 162922
Ion Ratio Lower Upper
65 100
67 50.6 0.0 104.8

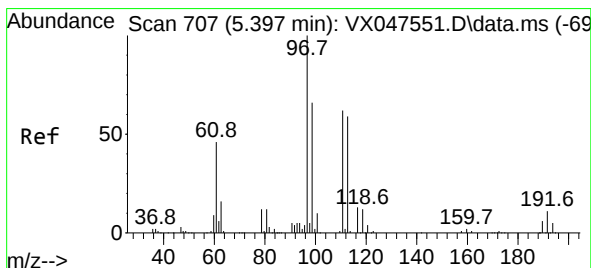
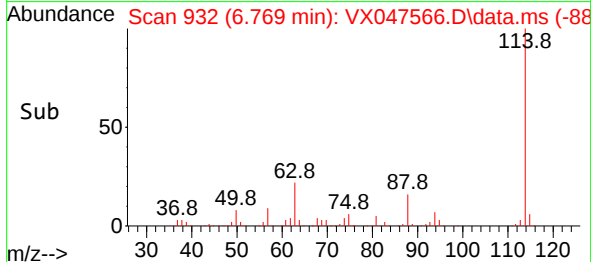
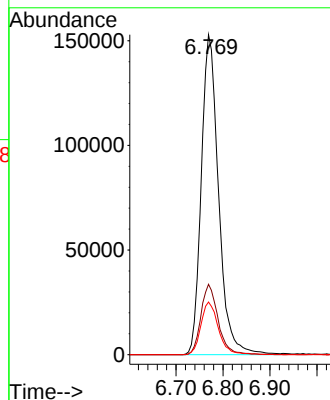
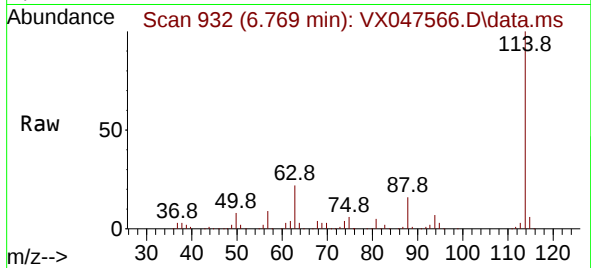




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047566.D
Acq: 29 Aug 2025 13:24

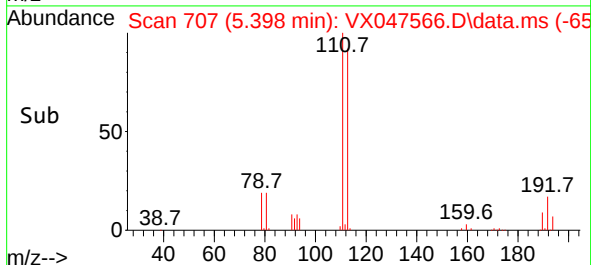
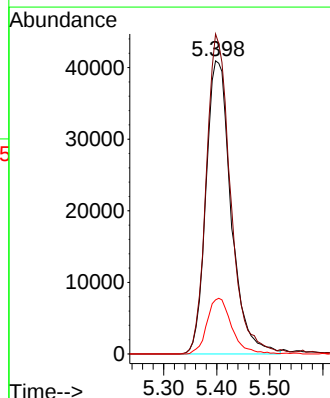
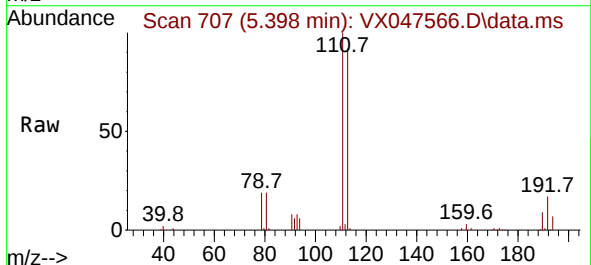
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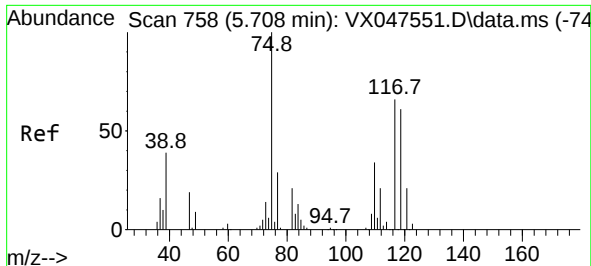
Tgt Ion:114 Resp: 390750
Ion Ratio Lower Upper
114 100
63 22.0 0.0 43.6
88 16.5 0.0 33.2



#35
Dibromofluoromethane
Concen: 50.289 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047566.D
Acq: 29 Aug 2025 13:24

Tgt Ion:113 Resp: 134869
Ion Ratio Lower Upper
113 100
111 105.5 81.2 121.8
192 18.6 14.2 21.4

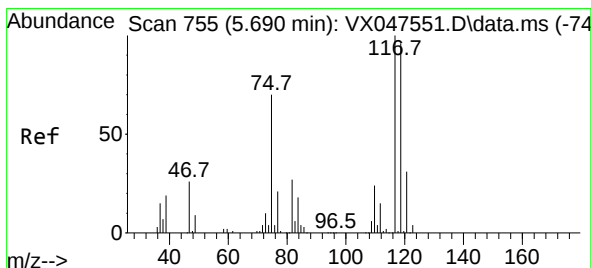
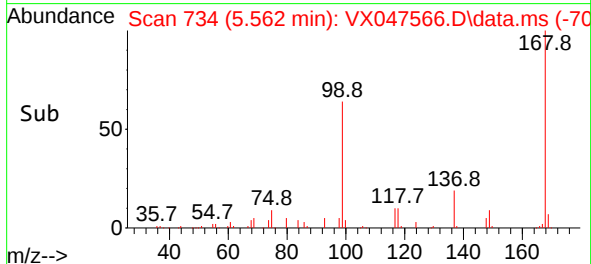
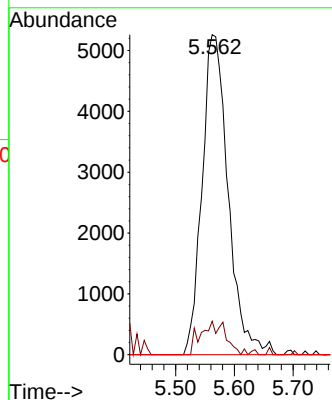
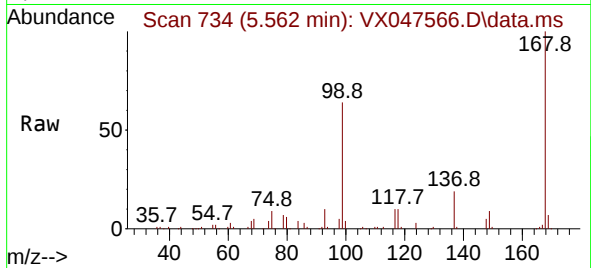




#36
1,1-Dichloropropene
Concen: 4.245 ug/l
RT: 5.562 min Scan# 714
Delta R.T. -0.146 min
Lab File: VX047566.D
Acq: 29 Aug 2025 13:24

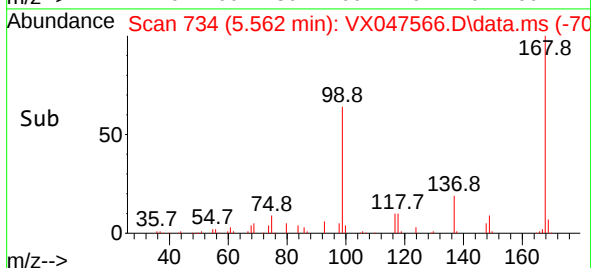
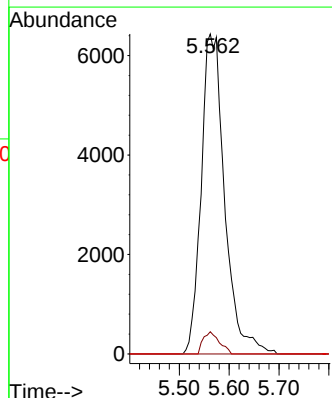
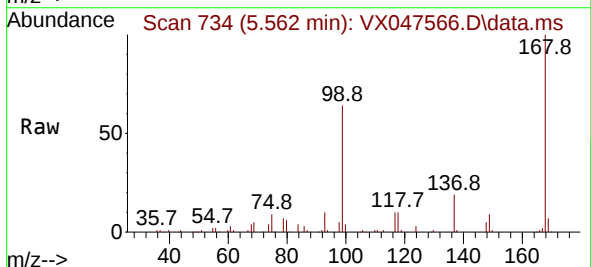
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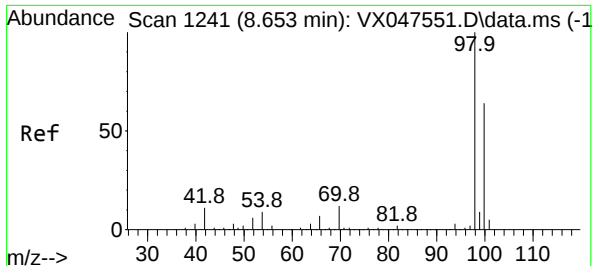
Tgt Ion: 75 Resp: 16203
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.3#
77 0.0 25.0 37.6#



#38
Carbon Tetrachloride
Concen: 4.964 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX047566.D
Acq: 29 Aug 2025 13:24

Tgt Ion: 117 Resp: 21024
Ion Ratio Lower Upper
117 100
119 6.9 76.4 114.6#
121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 51.383 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047566.D

Acq: 29 Aug 2025 13:24

Instrument :

MSVOA_X

ClientSampleId :

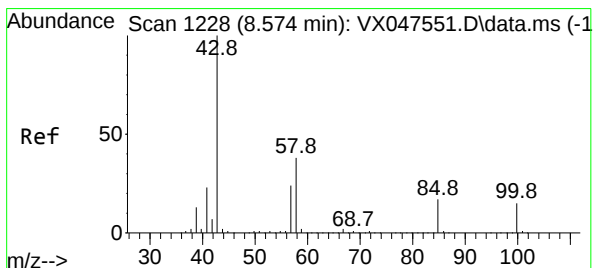
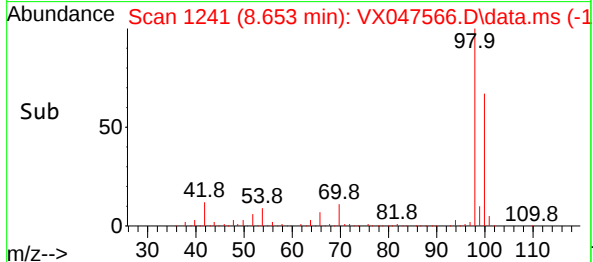
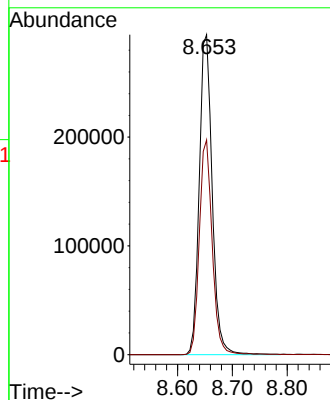
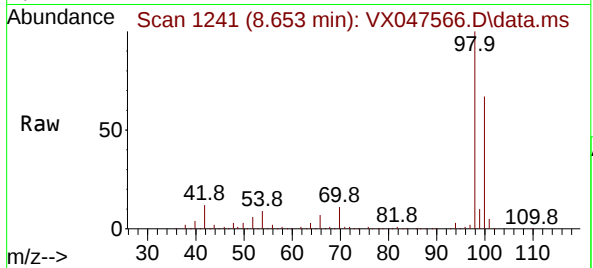
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 98 Resp: 483022

Ion Ratio Lower Upper

98 100

100 66.7 53.5 80.3



#51

4-Methyl-2-Pentanone

Concen: 0.642 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX047566.D

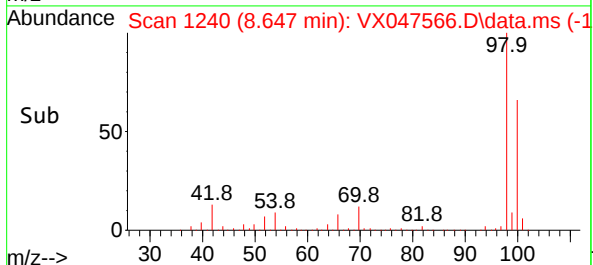
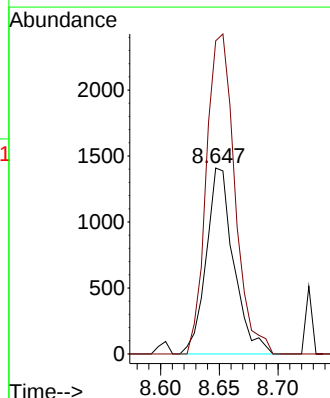
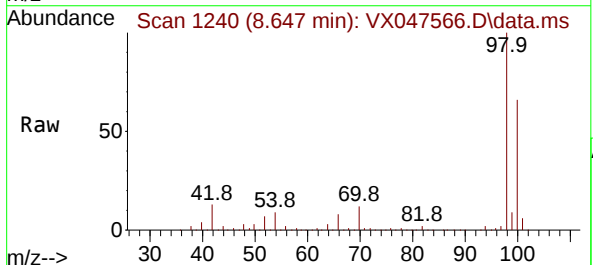
Acq: 29 Aug 2025 13:24

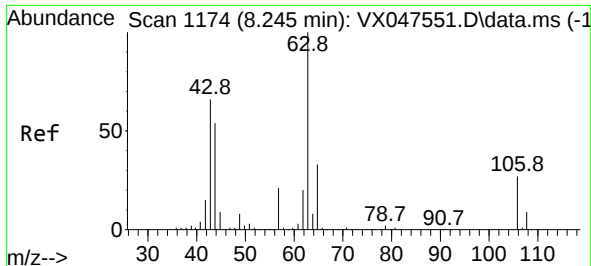
Tgt Ion: 43 Resp: 2292

Ion Ratio Lower Upper

43 100

58 178.4 30.4 45.6#

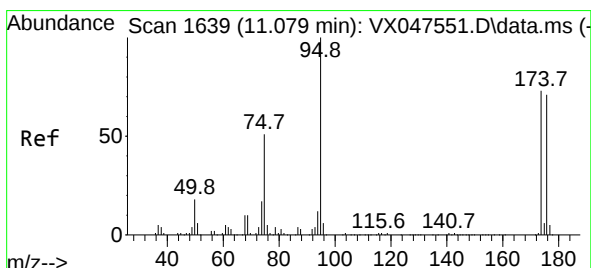
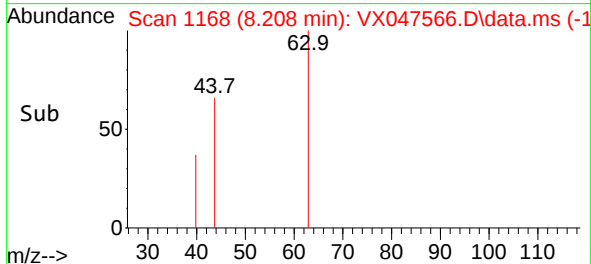
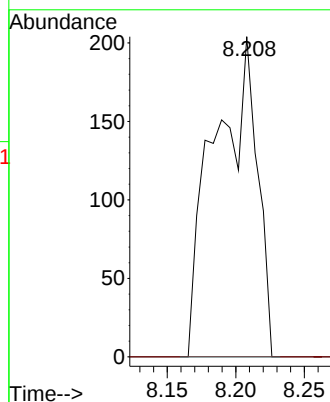
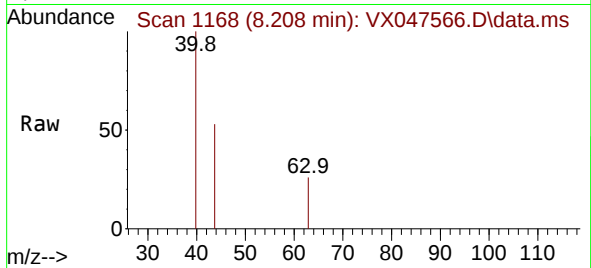




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 8.208 min Scan# 1168
Delta R.T. -0.037 min
Lab File: VX047566.D
Acq: 29 Aug 2025 13:24

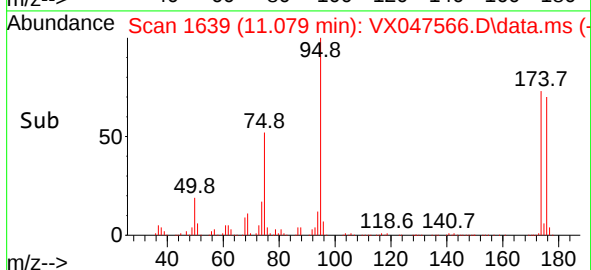
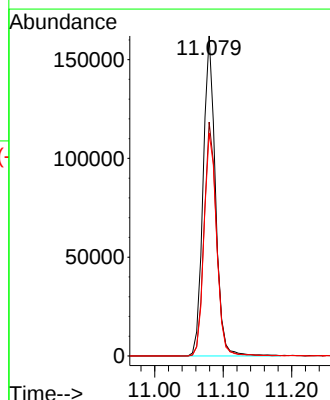
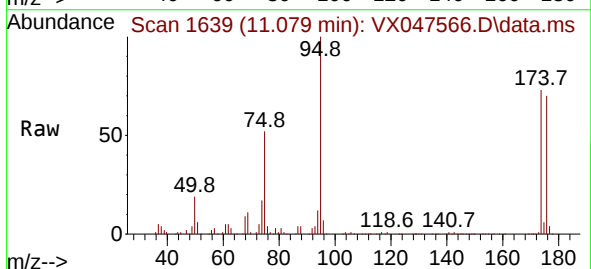
Instrument : MSVOA_X
ClientSampleId : STORAGE-BLANK-WATER-REF-5

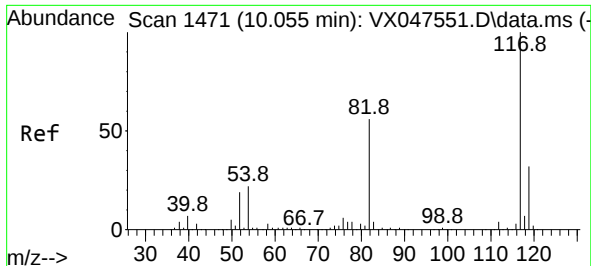
Tgt Ion: 63 Resp: 441
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.4#



#62
4-Bromofluorobenzene
Concen: 57.398 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047566.D
Acq: 29 Aug 2025 13:24

Tgt Ion: 95 Resp: 202701
Ion Ratio Lower Upper
95 100
174 73.8 0.0 145.2
176 71.2 0.0 140.4

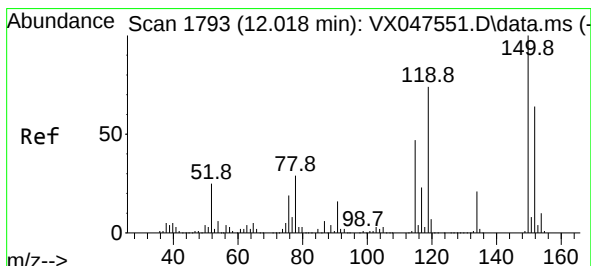
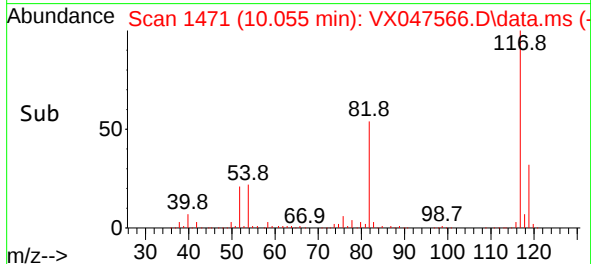
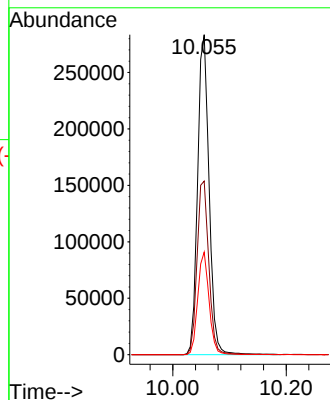
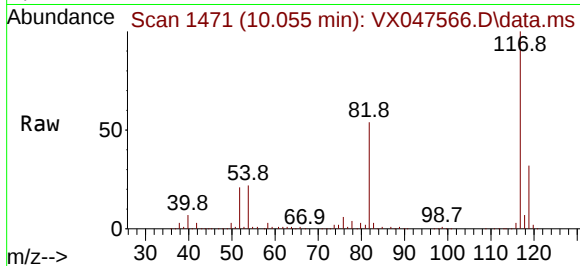




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047566.D
Acq: 29 Aug 2025 13:24

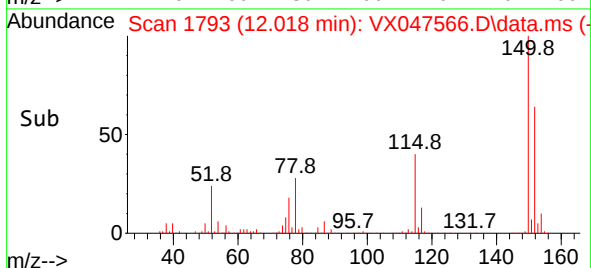
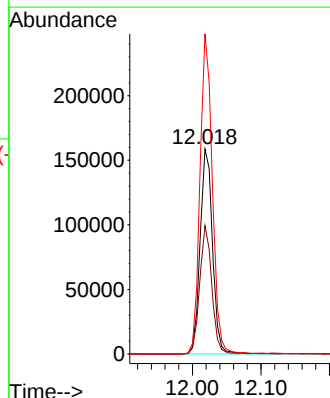
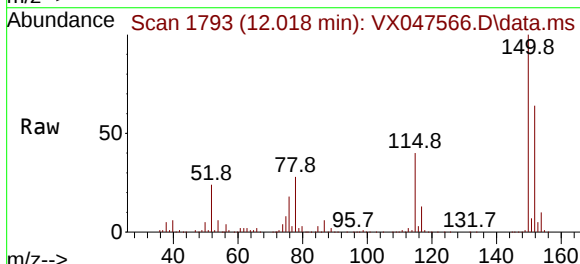
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

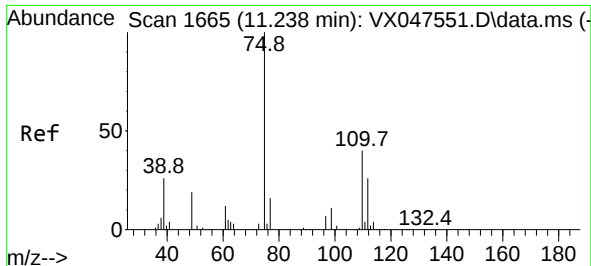
Tgt Ion:117 Resp: 397369
Ion Ratio Lower Upper
117 100
82 54.2 44.6 66.8
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047566.D
Acq: 29 Aug 2025 13:24

Tgt Ion:152 Resp: 200391
Ion Ratio Lower Upper
152 100
115 61.0 42.9 128.5
150 154.9 0.0 351.0

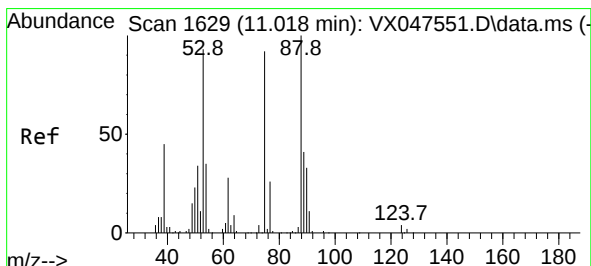
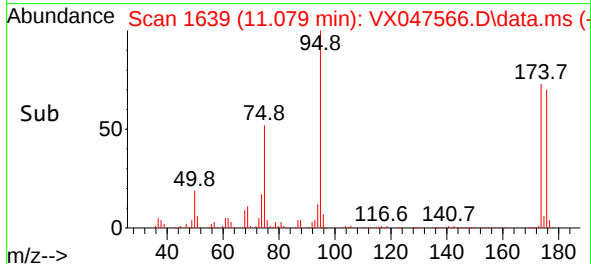
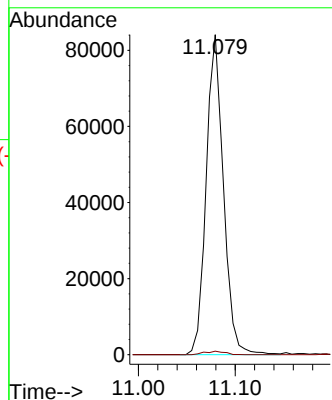
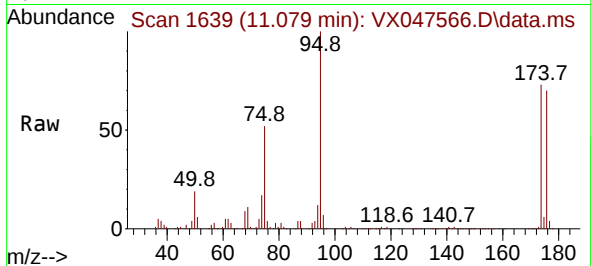




#76
1,2,3-Trichloropropane
Concen: 29.211 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047566.D
Acq: 29 Aug 2025 13:24

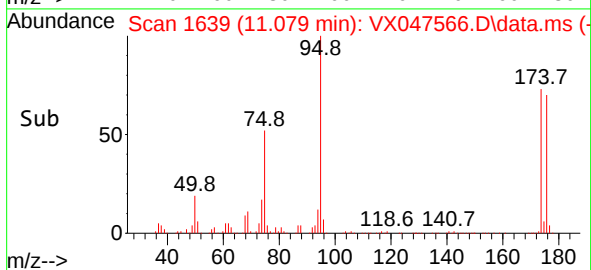
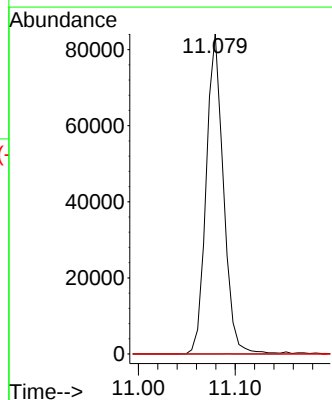
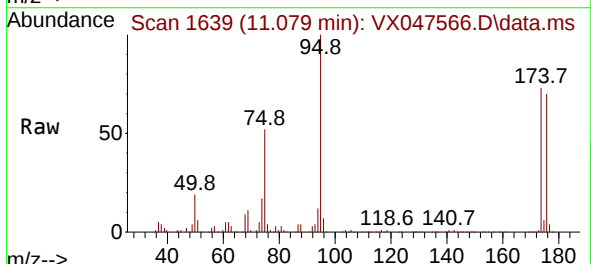
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

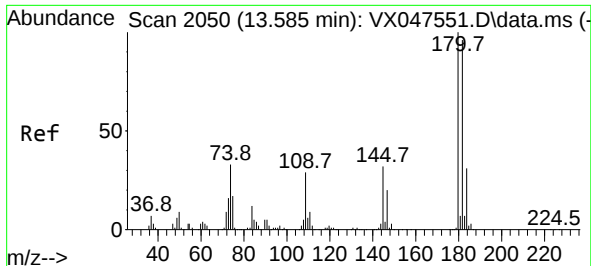
Tgt Ion: 75 Resp: 104474
Ion Ratio Lower Upper
75 100
77 1.3 19.7 59.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.279 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047566.D
Acq: 29 Aug 2025 13:24

Tgt Ion: 75 Resp: 104474
Ion Ratio Lower Upper
75 100
53 0.0 85.7 128.5#
89 0.0 36.4 54.6#





#93

1,2,4-Trichlorobenzene

Concen: 0.211 ug/l

RT: 13.603 min Scan# 2050

Delta R.T. 0.018 min

Lab File: VX047566.D

Acq: 29 Aug 2025 13:24

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

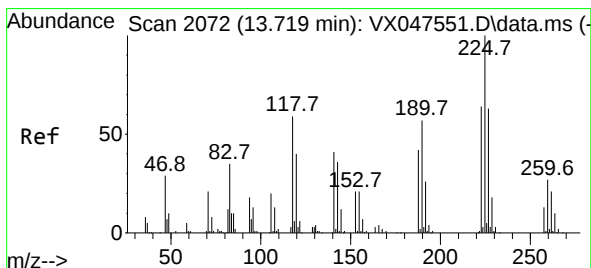
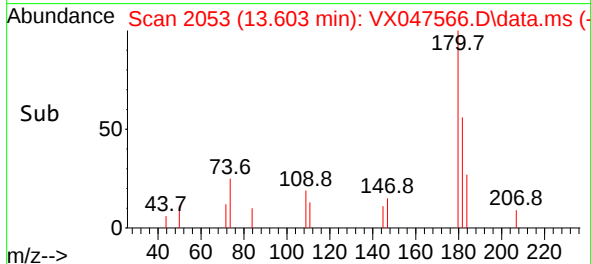
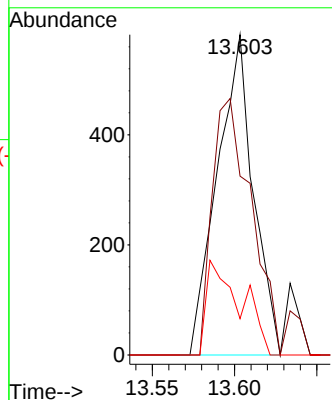
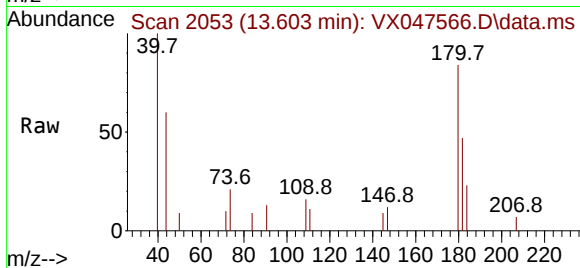
Tgt Ion:180 Resp: 887

Ion Ratio Lower Upper

180 100

182 92.4 47.7 143.1

145 28.1 16.3 48.8



#94

Hexachlorobutadiene

Concen: 0.318 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. 0.000 min

Lab File: VX047566.D

Acq: 29 Aug 2025 13:24

Tgt Ion:225 Resp: 465

Ion Ratio Lower Upper

225 100

223 74.2 31.1 93.5

227 60.2 31.8 95.3

