

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082925\
 Data File : VX047567.D
 Acq On : 29 Aug 2025 13:45
 Operator : JC/MD
 Sample : Q2987-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

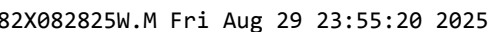
Quant Time: Aug 29 23:55:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 02:31:18 2025
 Response via : Initial Calibration

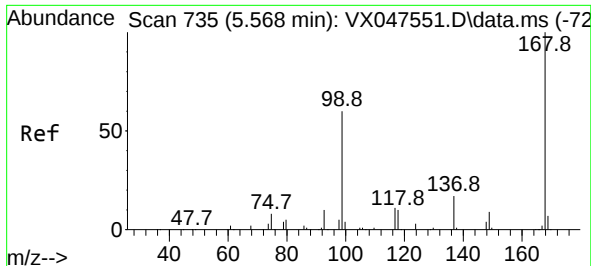
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	190860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	383134	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	384488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	184482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	157834	53.851	ug/l	0.00
Spiked Amount 50.000	Range	78 - 117	Recovery	= 107.700%		
35) Dibromofluoromethane	5.397	113	134513	51.153	ug/l	0.00
Spiked Amount 50.000	Range	75 - 124	Recovery	= 102.300%		
50) Toluene-d8	8.653	98	466749	50.639	ug/l	0.00
Spiked Amount 50.000	Range	92 - 112	Recovery	= 101.280%		
62) 4-Bromofluorobenzene	11.079	95	194960	56.303	ug/l	0.00
Spiked Amount 50.000	Range	83 - 123	Recovery	= 112.600%		
Target Compounds						Qvalue
3) Chloromethane	1.313	50	458	0.201	ug/l #	74
5) Bromomethane	1.642	94	407	0.351	ug/l	82
6) Chloroethane	1.703	64	664	0.389	ug/l #	64
10) Methyl Iodide	2.483	142	1882	0.500	ug/l #	87
11) Tert butyl alcohol	2.959	59	158	0.586	ug/l #	73
16) Acetone	2.398	43	2090	1.801	ug/l #	22
17) Carbon Disulfide	2.532	76	1619	0.226	ug/l	96
20) Methylene Chloride	2.806	84	635	0.215	ug/l #	86
31) Cyclohexane	5.568	56	4180	1.014	ug/l #	18
36) 1,1-Dichloropropene	5.568	75	15622	4.174	ug/l #	50
38) Carbon Tetrachloride	5.568	117	20249	4.876	ug/l #	15
58) 2-Chloroethyl Vinyl ether	8.189	63	165	Below Cal	#	47
76) 1,2,3-Trichloropropane	11.079	75	99685	30.276	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	99685	106.759	ug/l #	7
94) Hexachlorobutadiene	13.719	225	412	0.307	ug/l	84

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

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QLast Update : Fri Aug 29 02:31:18 2025
Response via : Initial Calibration

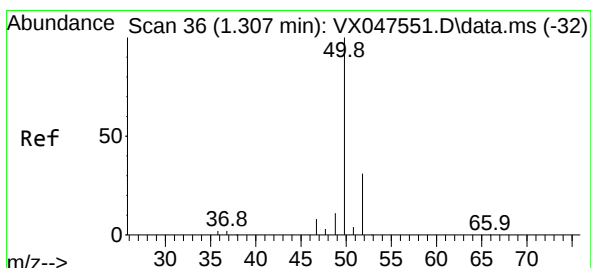
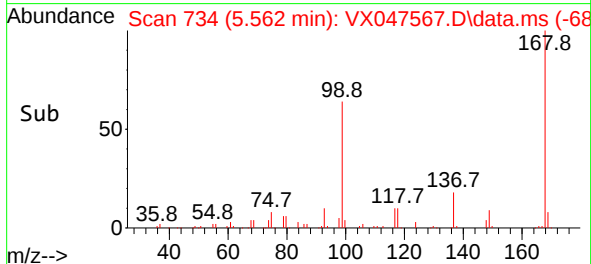
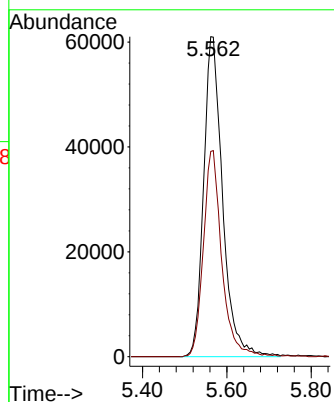
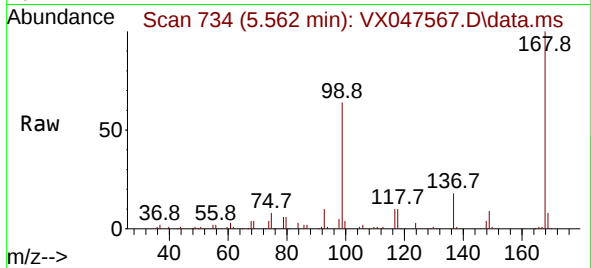




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047567.D
Acq: 29 Aug 2025 13:45

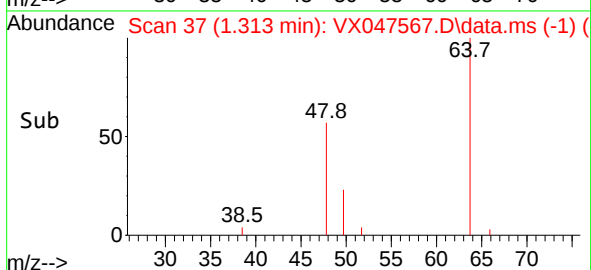
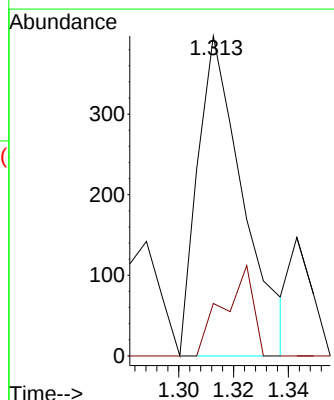
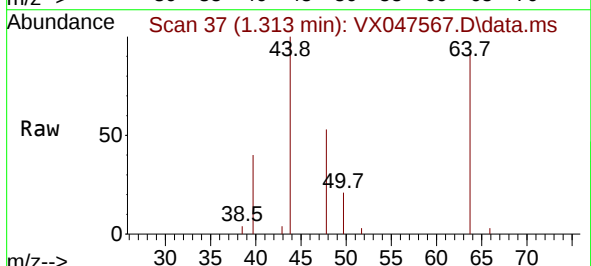
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ClientSampleId :
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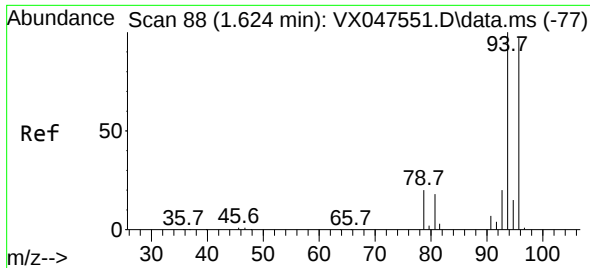
Tgt Ion:168 Resp: 190860
Ion Ratio Lower Upper
168 100
99 64.1 48.9 73.3



#3
Chloromethane
Concen: 0.201 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX047567.D
Acq: 29 Aug 2025 13:45

Tgt Ion: 50 Resp: 458
Ion Ratio Lower Upper
50 100
52 16.4 24.6 37.0#

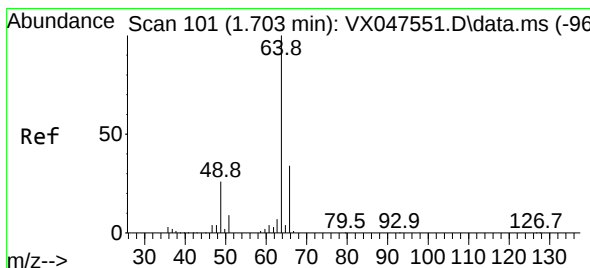
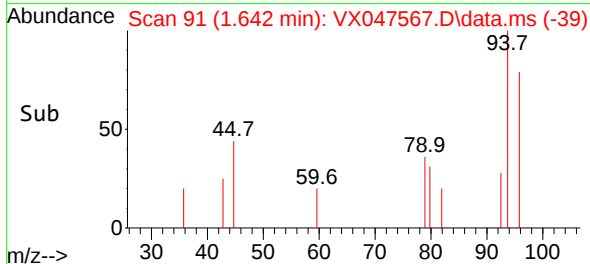
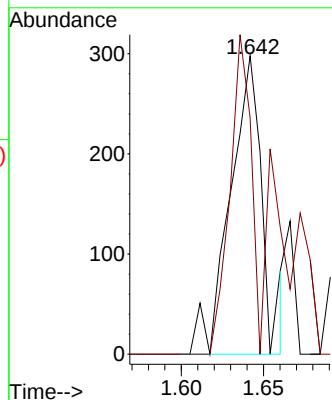
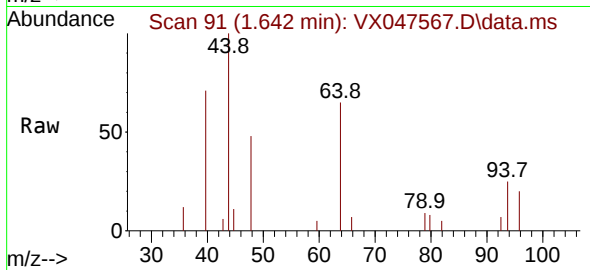




#5
Bromomethane
Concen: 0.351 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX047567.D
Acq: 29 Aug 2025 13:45

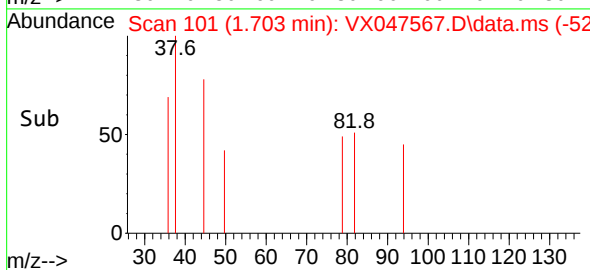
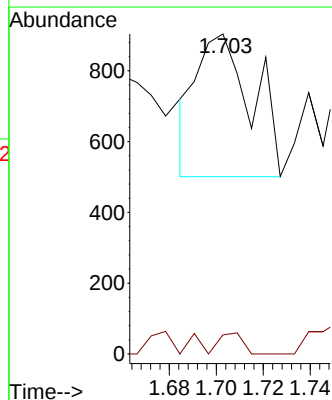
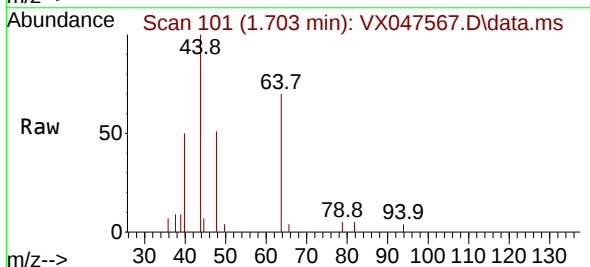
Instrument :
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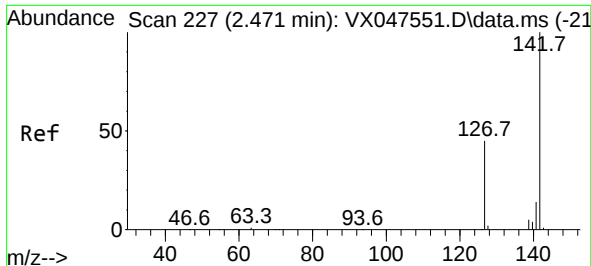
Tgt Ion: 94 Resp: 407
Ion Ratio Lower Upper
94 100
96 79.2 77.7 116.5



#6
Chloroethane
Concen: 0.389 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX047567.D
Acq: 29 Aug 2025 13:45

Tgt Ion: 64 Resp: 664
Ion Ratio Lower Upper
64 100
66 13.4 27.4 41.2#

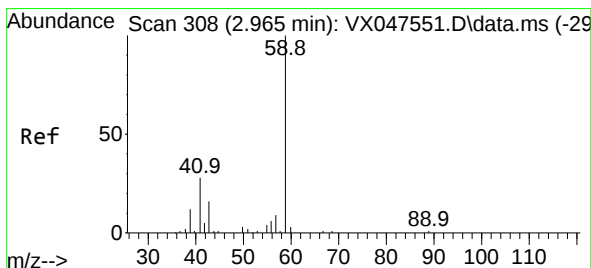
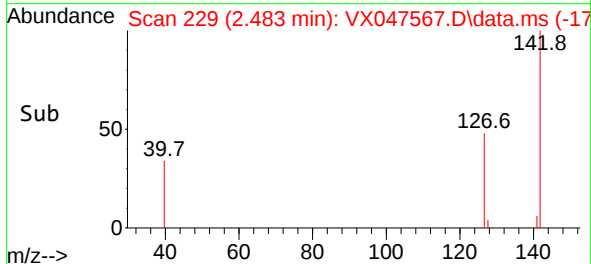
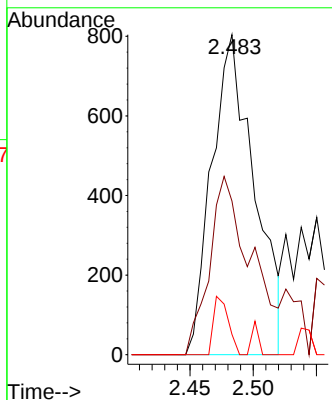
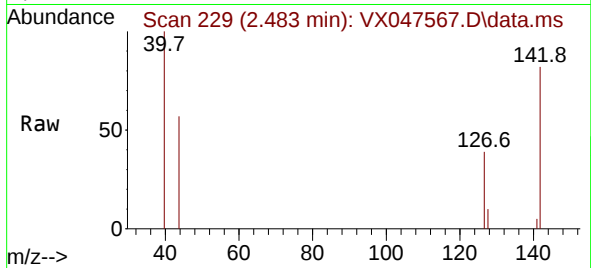




#10
Methyl Iodide
Concen: 0.500 ug/l
RT: 2.483 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX047567.D
Acq: 29 Aug 2025 13:45

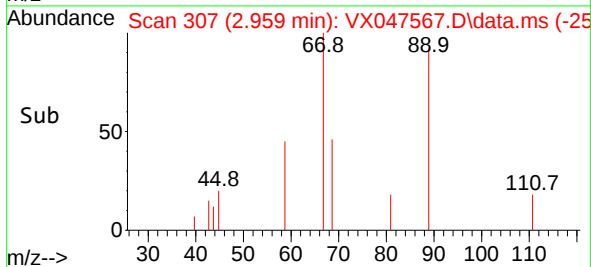
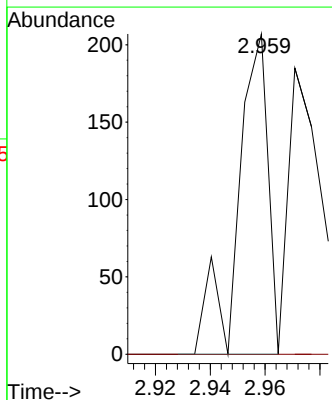
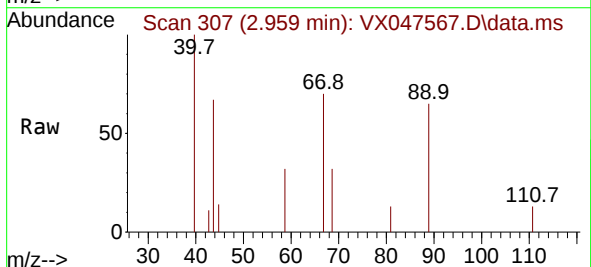
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

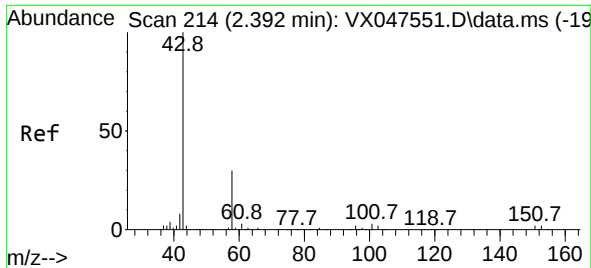
Tgt Ion:142 Resp: 1882
Ion Ratio Lower Upper
142 100
127 54.6 37.6 56.4
141 6.3 10.6 16.0#



#11
Tert butyl alcohol
Concen: 0.586 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX047567.D
Acq: 29 Aug 2025 13:45

Tgt Ion: 59 Resp: 158
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

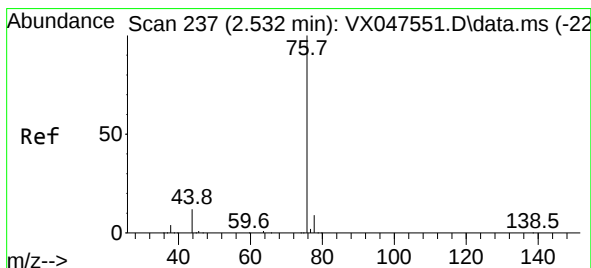
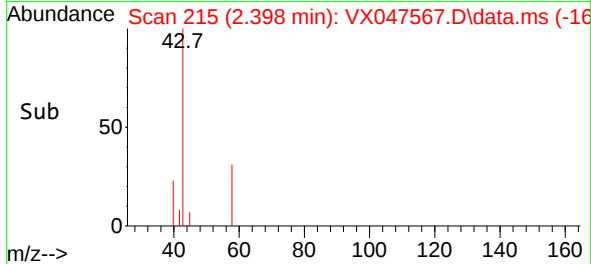
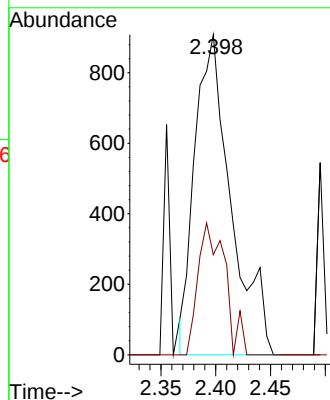
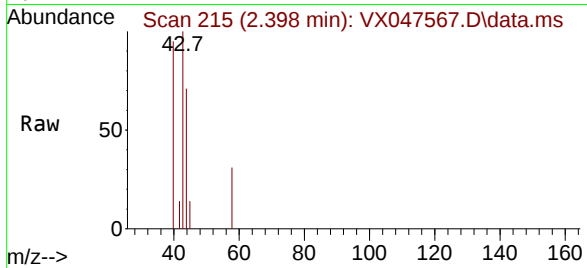




#16
Acetone
Concen: 1.801 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047567.D
Acq: 29 Aug 2025 13:45

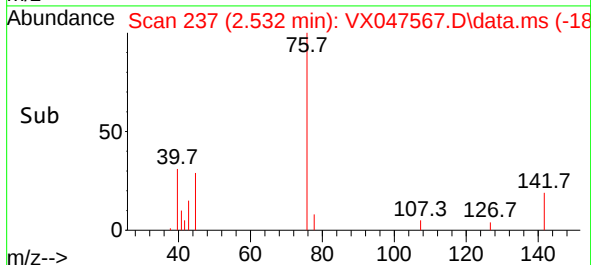
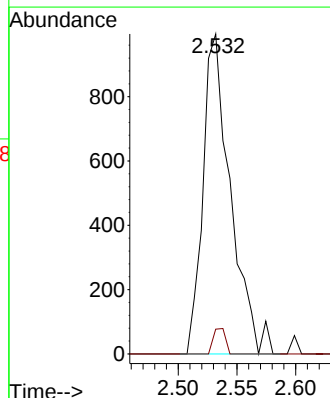
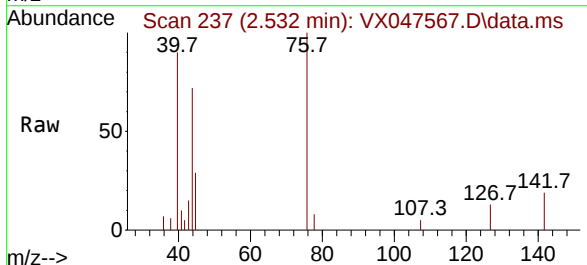
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

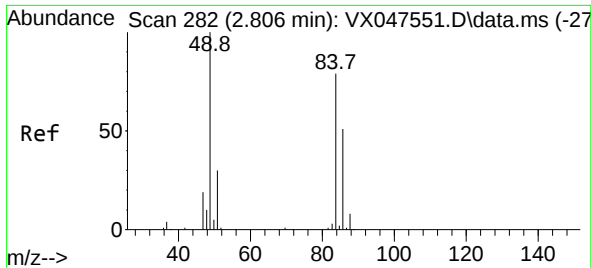
Tgt Ion: 43 Resp: 2090
Ion Ratio Lower Upper
43 100
58 72.4 24.2 36.2#



#17
Carbon Disulfide
Concen: 0.226 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.000 min
Lab File: VX047567.D
Acq: 29 Aug 2025 13:45

Tgt Ion: 76 Resp: 1619
Ion Ratio Lower Upper
76 100
78 7.7 7.4 11.0

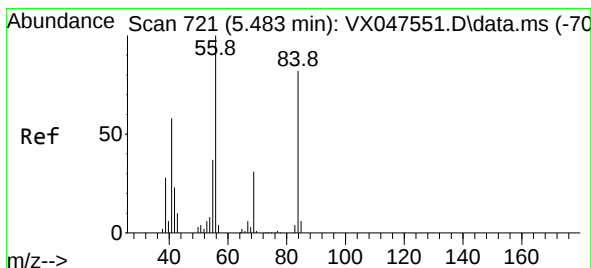
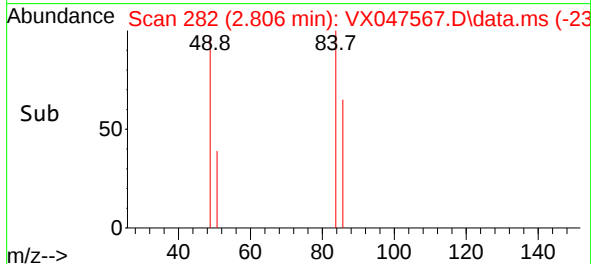
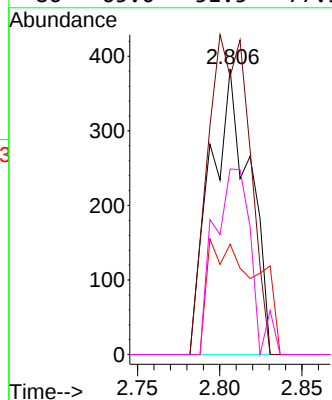
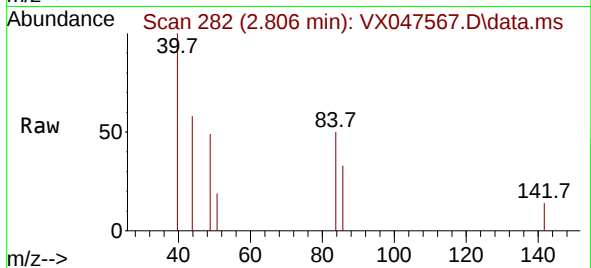




#20
Methylene Chloride
Concen: 0.215 ug/l
RT: 2.806 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047567.D
Acq: 29 Aug 2025 13:45

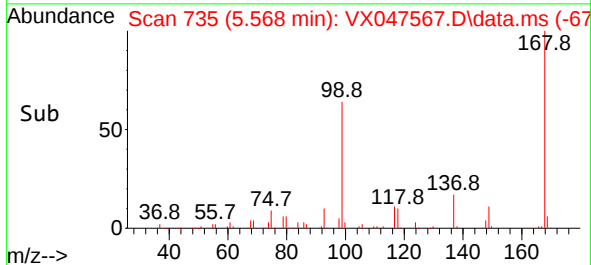
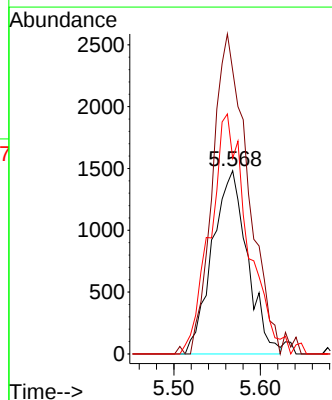
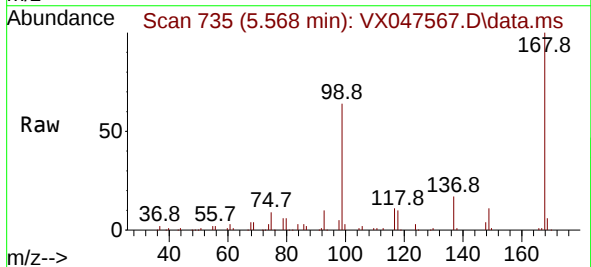
Instrument :
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ClientSampleId :
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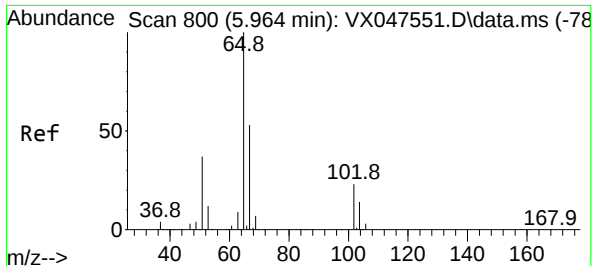
Tgt Ion:	84	Resp:	635
Ion	Ratio	Lower	Upper
84	100		
49	97.4	101.4	152.2#
51	38.6	30.6	46.0
86	65.0	51.5	77.3



#31
Cyclohexane
Concen: 1.014 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.085 min
Lab File: VX047567.D
Acq: 29 Aug 2025 13:45

Tgt Ion:	56	Resp:	4180
Ion	Ratio	Lower	Upper
56	100		
69	154.7	24.2	36.2#
84	106.8	65.5	98.3#





#33

1,2-Dichloroethane-d4

Concen: 53.851 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.000 min

Lab File: VX047567.D

Acq: 29 Aug 2025 13:45

Instrument :

MSVOA_X

ClientSampleId :

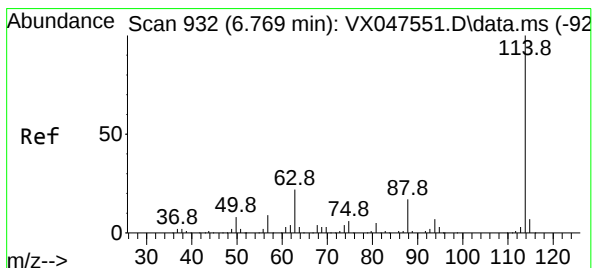
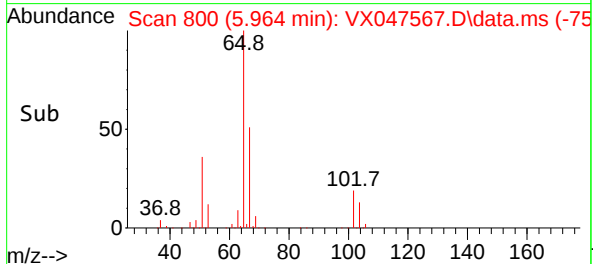
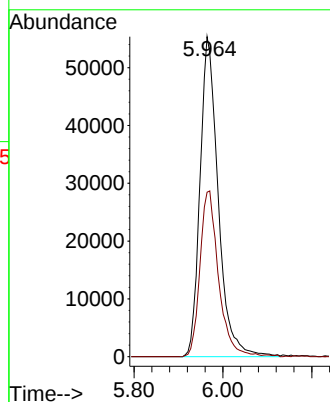
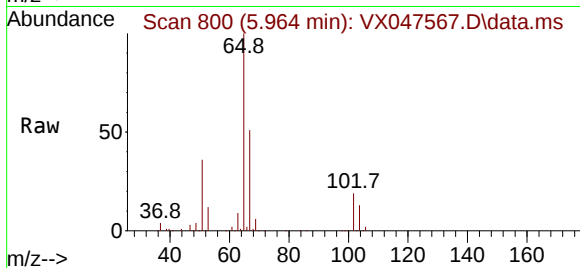
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 65 Resp: 157834

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX047567.D

Acq: 29 Aug 2025 13:45

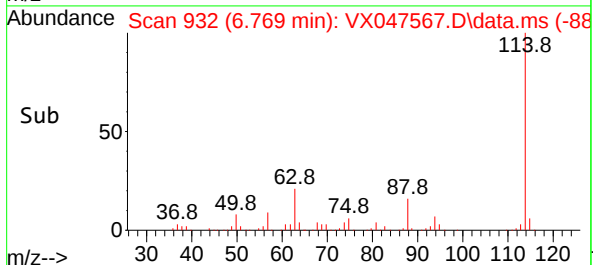
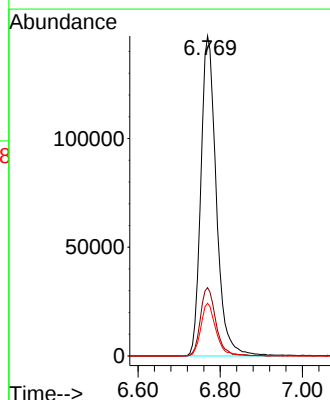
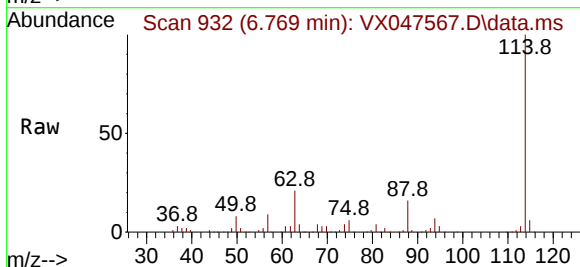
Tgt Ion: 114 Resp: 383134

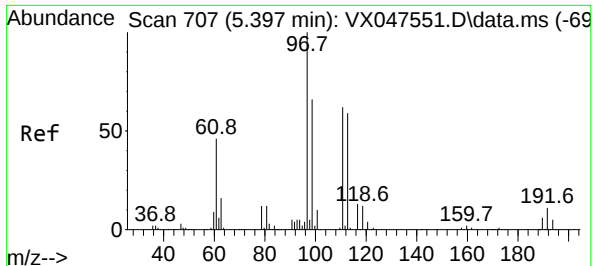
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.6

88 16.4 0.0 33.2

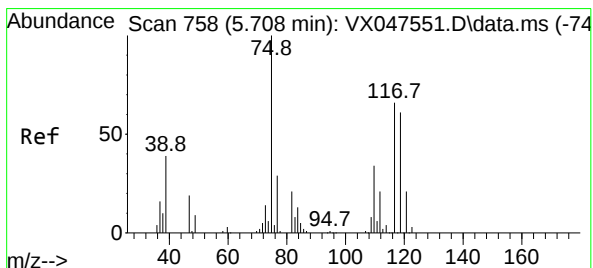
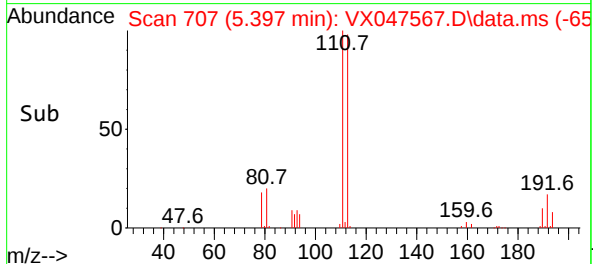
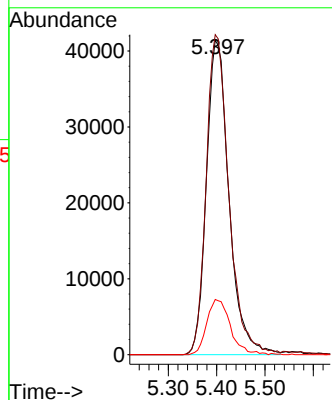
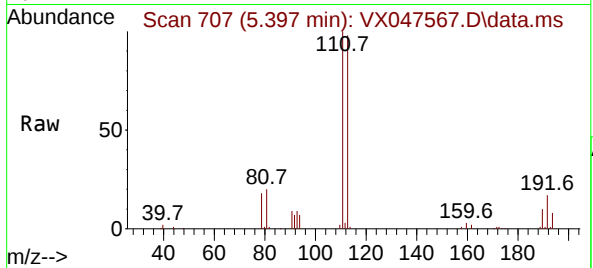




#35
Dibromofluoromethane
Concen: 51.153 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX047567.D
Acq: 29 Aug 2025 13:45

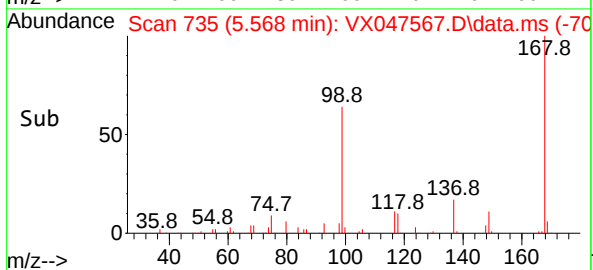
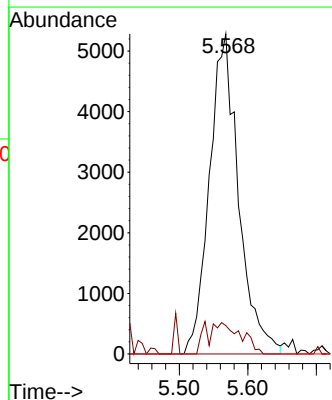
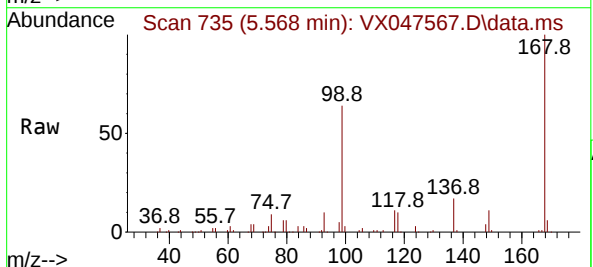
Instrument :
MSVOA_X
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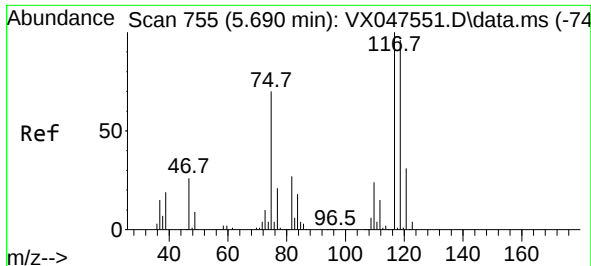
Tgt Ion:113 Resp: 134513
Ion Ratio Lower Upper
113 100
111 102.2 81.2 121.8
192 18.3 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.174 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.140 min
Lab File: VX047567.D
Acq: 29 Aug 2025 13:45

Tgt Ion: 75 Resp: 15622
Ion Ratio Lower Upper
75 100
110 9.4 17.1 51.3#
77 0.0 25.0 37.6#

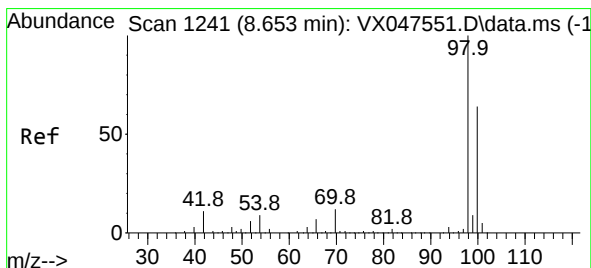
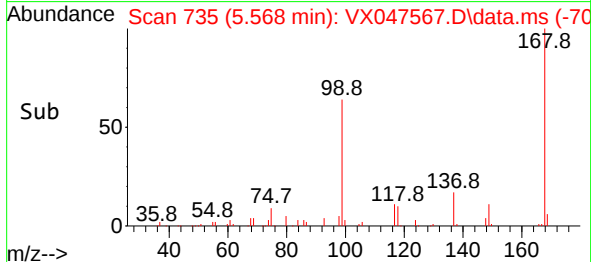
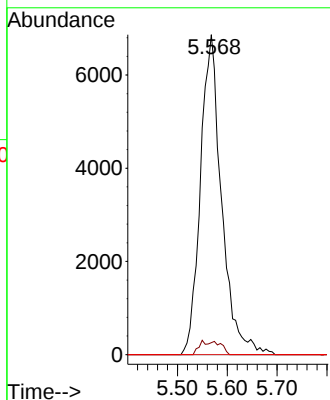
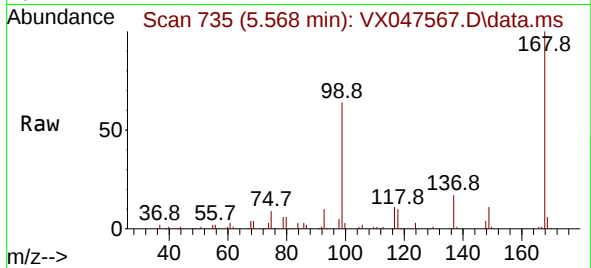




#38
Carbon Tetrachloride
Concen: 4.876 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX047567.D
Acq: 29 Aug 2025 13:45

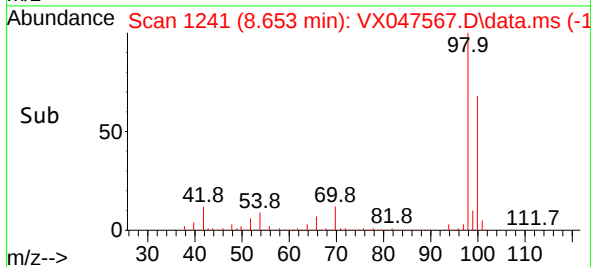
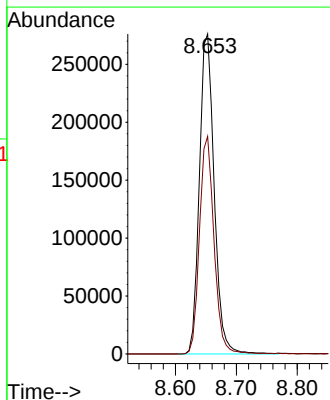
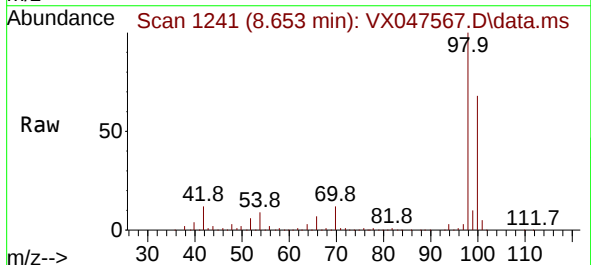
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

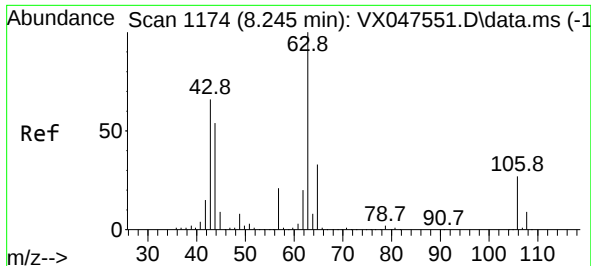
Tgt Ion:117 Resp: 20249
Ion Ratio Lower Upper
117 100
119 3.7 76.4 114.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 50.639 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX047567.D
Acq: 29 Aug 2025 13:45

Tgt Ion: 98 Resp: 466749
Ion Ratio Lower Upper
98 100
100 66.9 53.5 80.3

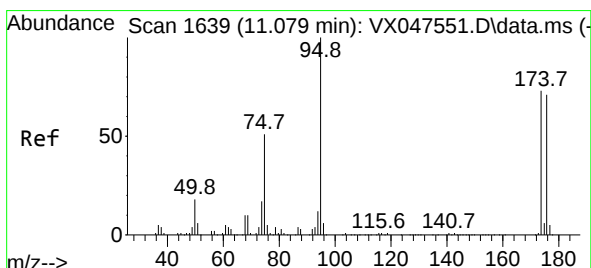
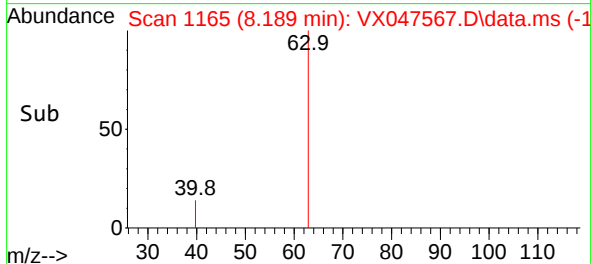
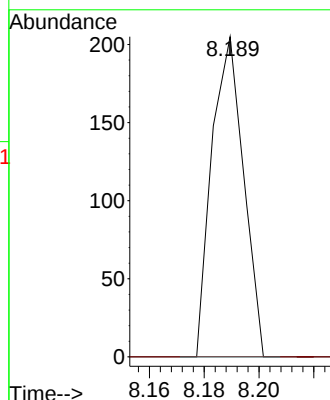
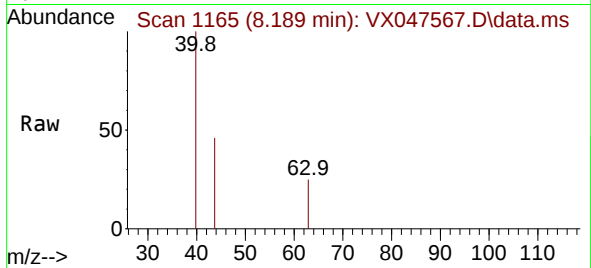




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 8.189 min Scan# 1165
Delta R.T. -0.056 min
Lab File: VX047567.D
Acq: 29 Aug 2025 13:45

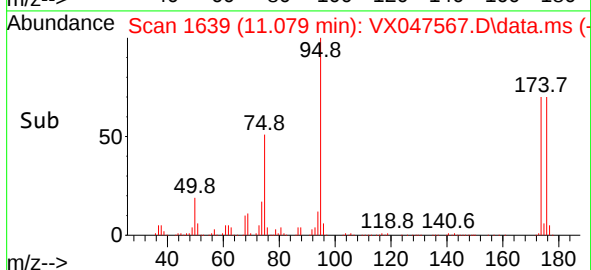
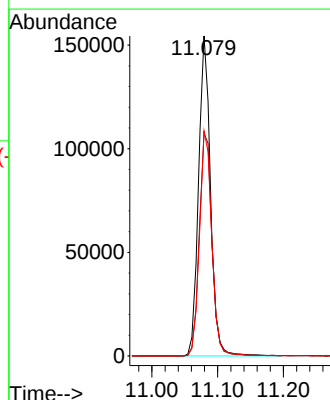
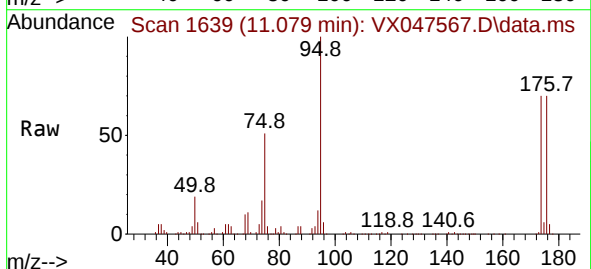
Instrument : MSVOA_X
ClientSampleId : STORAGE-BLANK-WATER-REF-4

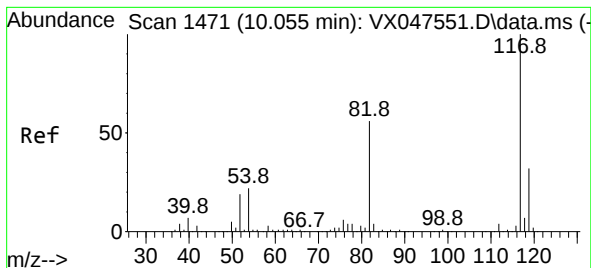
Tgt Ion: 63 Resp: 165
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.4#



#62
4-Bromofluorobenzene
Concen: 56.303 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX047567.D
Acq: 29 Aug 2025 13:45

Tgt Ion: 95 Resp: 194960
Ion Ratio Lower Upper
95 100
174 73.9 0.0 145.2
176 72.3 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: VX047567.D

Acq: 29 Aug 2025 13:45

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

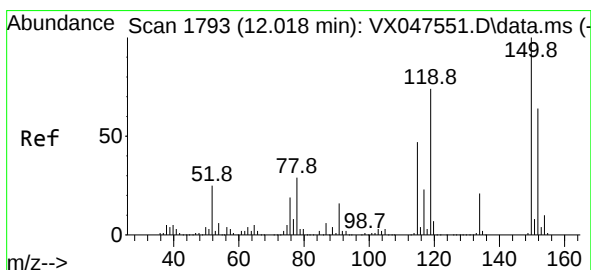
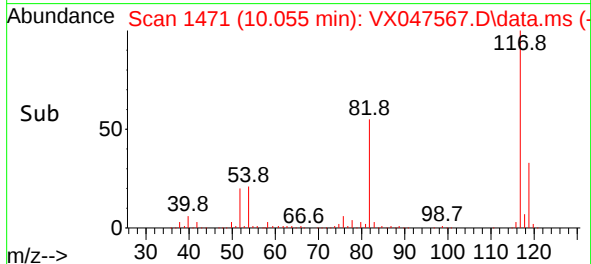
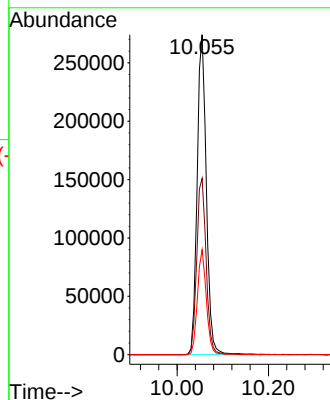
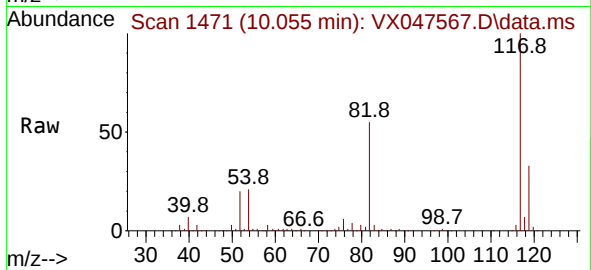
Tgt Ion:117 Resp: 384488

Ion Ratio Lower Upper

117 100

82 55.1 44.6 66.8

119 32.8 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: VX047567.D

Acq: 29 Aug 2025 13:45

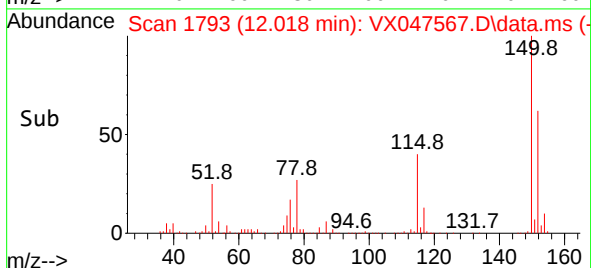
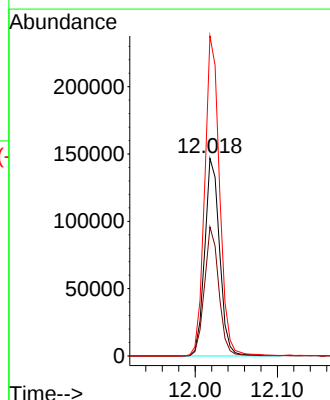
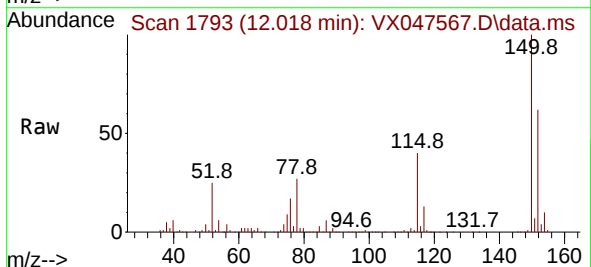
Tgt Ion:152 Resp: 184482

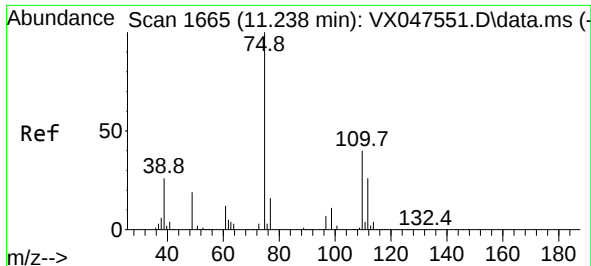
Ion Ratio Lower Upper

152 100

115 63.4 42.9 128.5

150 162.0 0.0 351.0

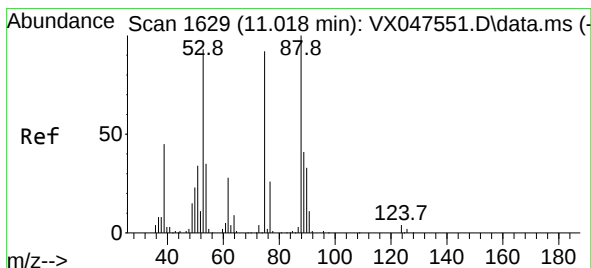
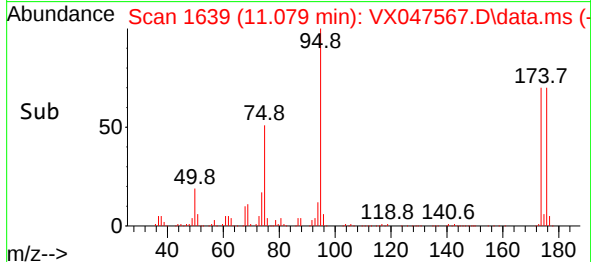
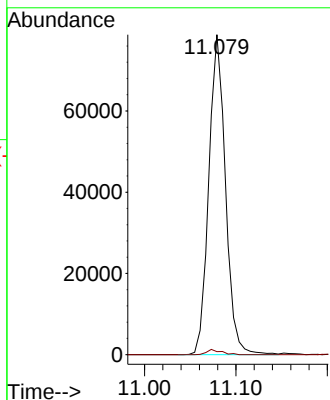
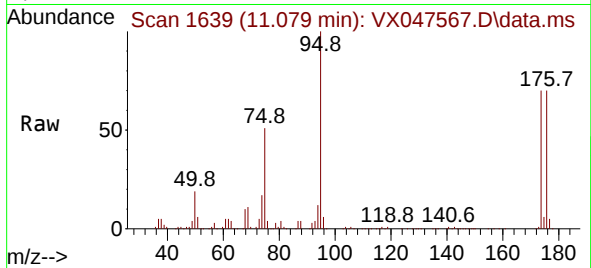




#76
1,2,3-Trichloropropane
Concen: 30.276 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX047567.D
Acq: 29 Aug 2025 13:45

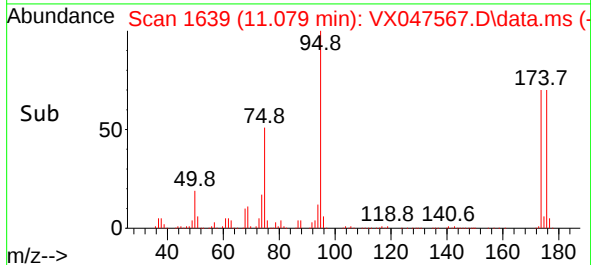
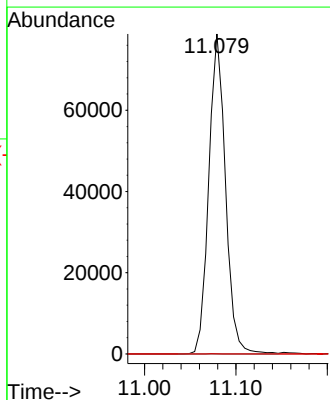
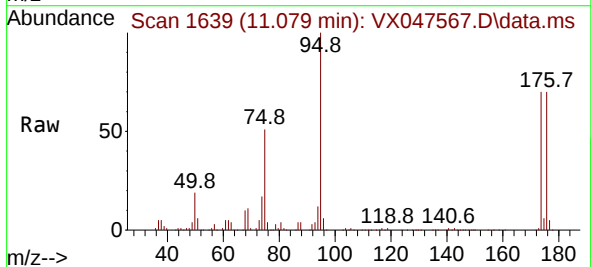
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

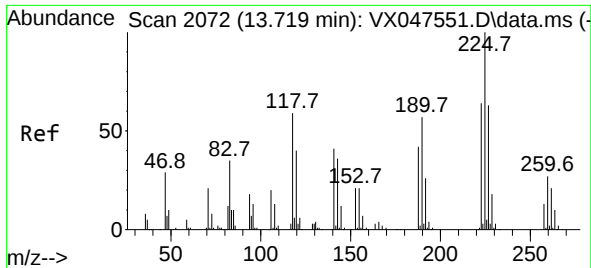
Tgt Ion: 75 Resp: 99685
Ion Ratio Lower Upper
75 100
77 1.4 19.7 59.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.759 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047567.D
Acq: 29 Aug 2025 13:45

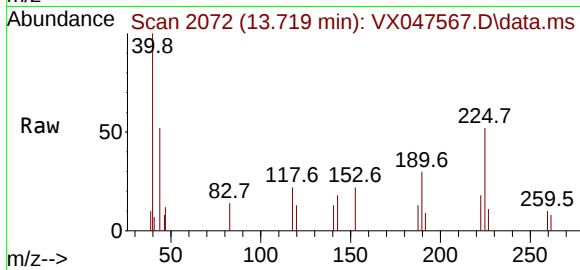
Tgt Ion: 75 Resp: 99685
Ion Ratio Lower Upper
75 100
53 0.1 85.7 128.5#
89 0.0 36.4 54.6#





#94
 Hexachlorobutadiene
 Concen: 0.307 ug/l
 RT: 13.719 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VX047567.D
 Acq: 29 Aug 2025 13:45

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



Tgt Ion:	225	Resp:	412
Ion	Ratio	Lower	Upper
225	100		
223	51.2	31.1	93.5
227	49.5	31.8	95.3

