

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
 Data File : VX047280.D
 Acq On : 08 Aug 2025 18:18
 Operator : JC/MD
 Sample : Q2812-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Aug 11 02:06:26 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)

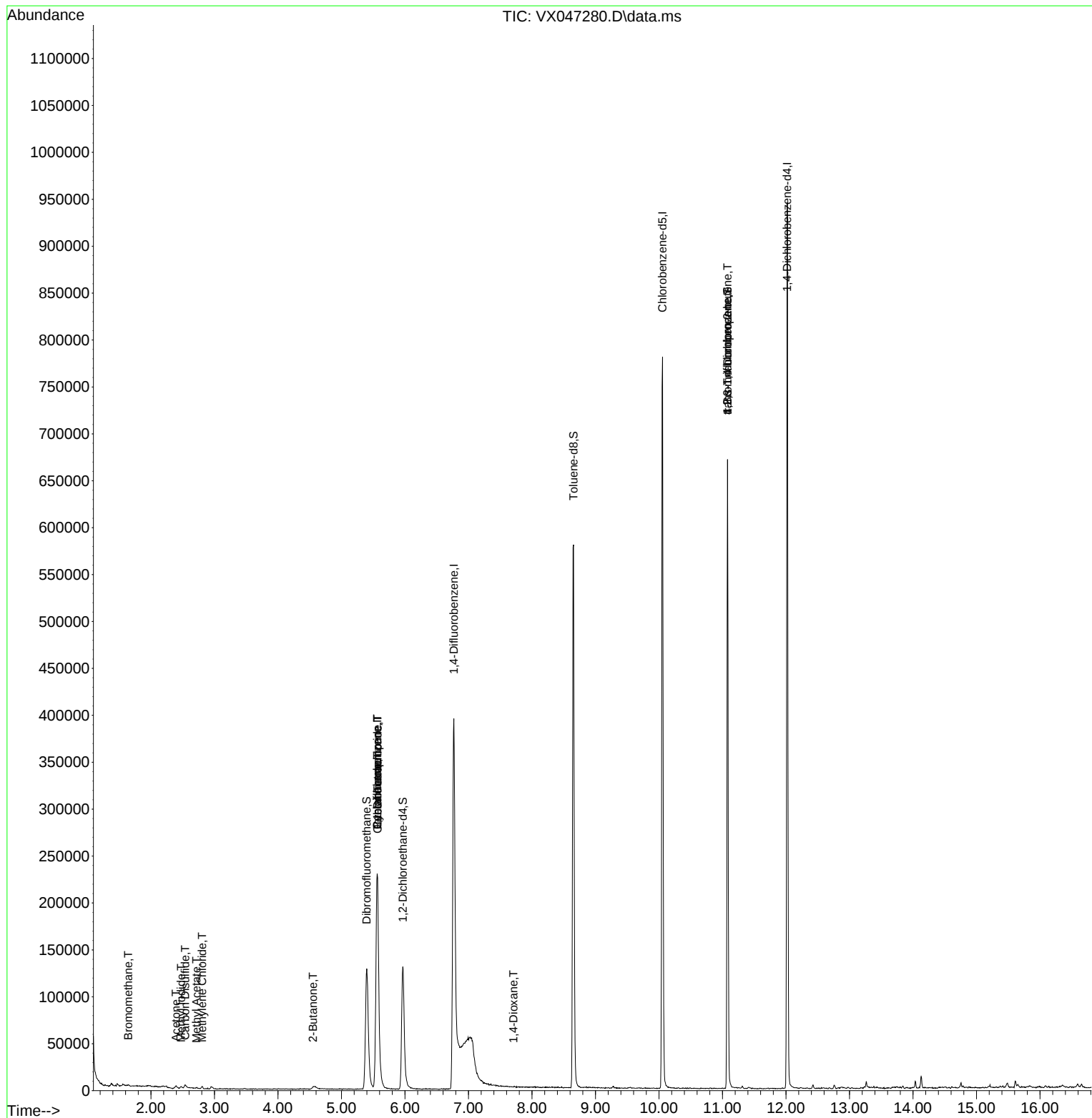
Internal Standards						
1) Pentafluorobenzene	5.562	168	234968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	404221	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	363761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	187713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	143843	49.144	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	98.280%	
35) Dibromofluoromethane	5.397	113	124685	49.958	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.920%	
50) Toluene-d8	8.653	98	362389	44.836	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	89.680%#	
62) 4-Bromofluorobenzene	11.079	95	176359	50.632	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	101.260%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	463	0.257	ug/l #	70
10) Methyl Iodide	2.477	142	2580	0.849	ug/l #	91
11) Tert butyl alcohol	2.947	59	504	Below Cal	#	72
16) Acetone	2.392	43	5466	4.662	ug/l	93
17) Carbon Disulfide	2.538	76	3617	0.423	ug/l #	91
18) Methyl Acetate	2.715	43	2499	0.802	ug/l #	79
20) Methylene Chloride	2.806	84	990	0.307	ug/l #	86
25) 2-Butanone	4.550	43	589	0.345	ug/l #	52
31) Cyclohexane	5.562	56	4845	0.885	ug/l #	27
36) 1,1-Dichloropropene	5.562	75	19634	4.615	ug/l #	51
38) Carbon Tetrachloride	5.568	117	25556	5.628	ug/l #	14
49) 1,4-Dioxane	7.708	88	45	1.188	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	91058	26.208	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	91058	67.521	ug/l #	8

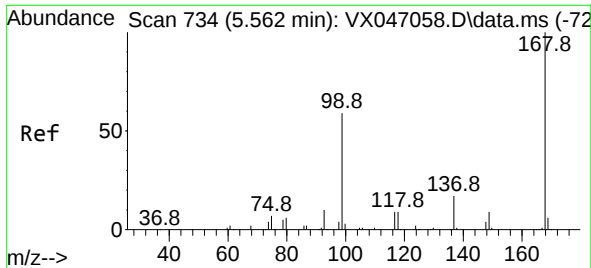
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 11 02:06:26 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

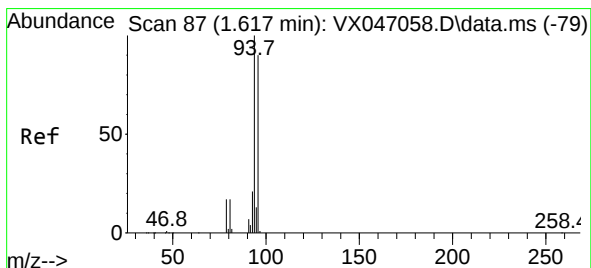
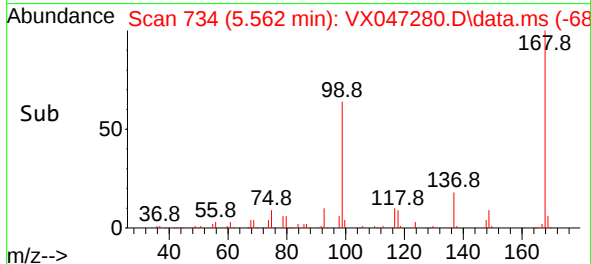
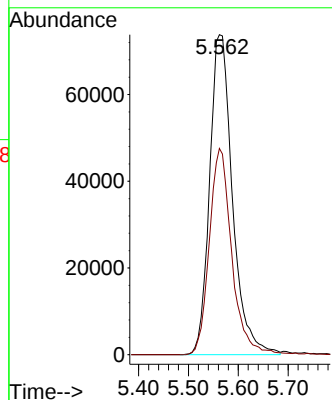
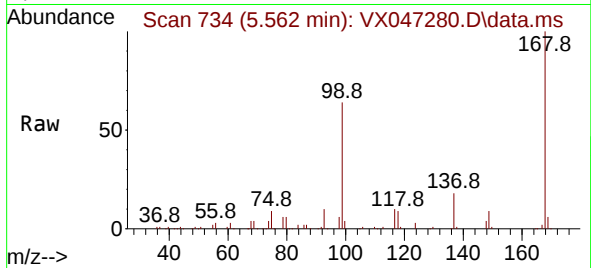




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047280.D
Acq: 08 Aug 2025 18:18

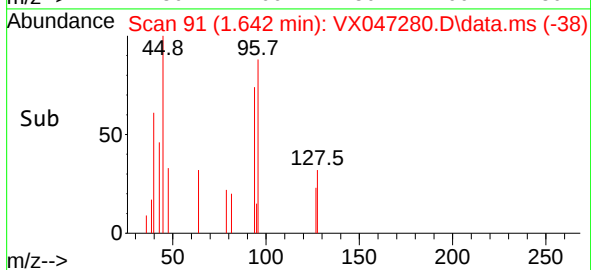
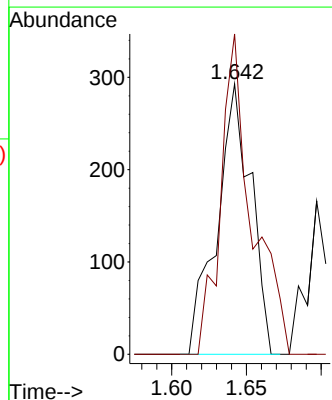
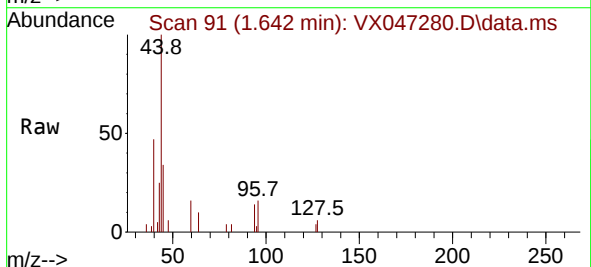
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

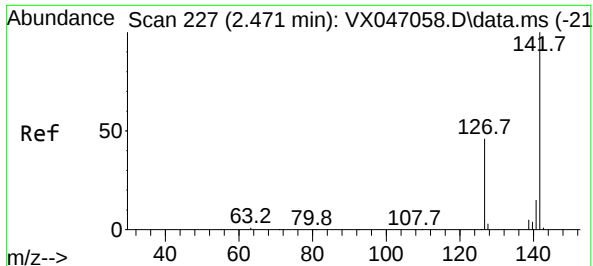
Tgt Ion:168 Resp: 234968
Ion Ratio Lower Upper
168 100
99 64.5 48.0 72.0



#5
Bromomethane
Concen: 0.257 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.025 min
Lab File: VX047280.D
Acq: 08 Aug 2025 18:18

Tgt Ion: 94 Resp: 463
Ion Ratio Lower Upper
94 100
96 118.4 72.3 108.5#

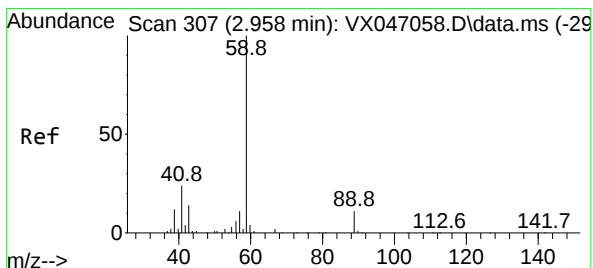
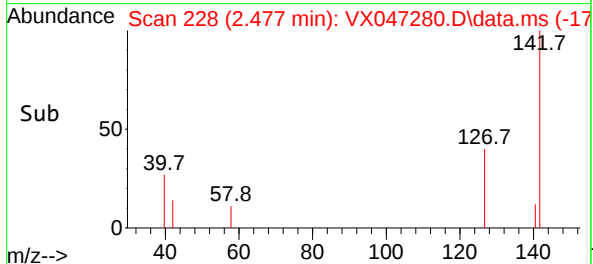
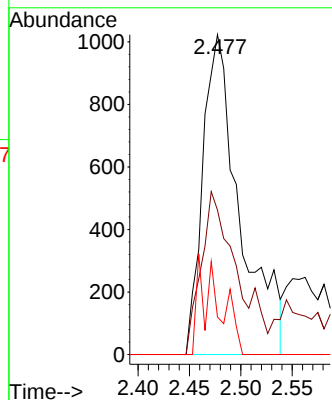
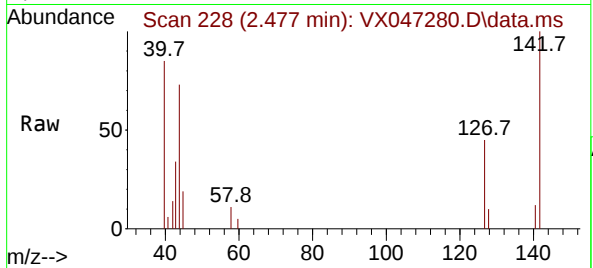




#10
Methyl Iodide
Concen: 0.849 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX047280.D
Acq: 08 Aug 2025 18:18

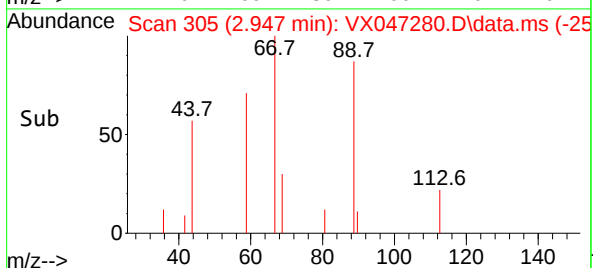
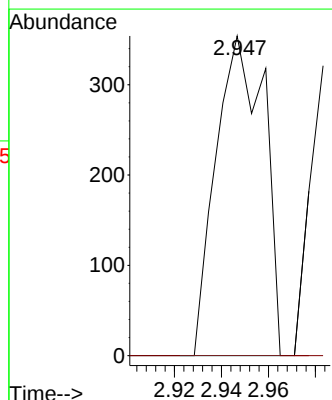
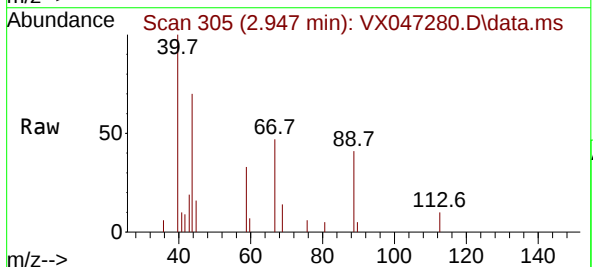
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

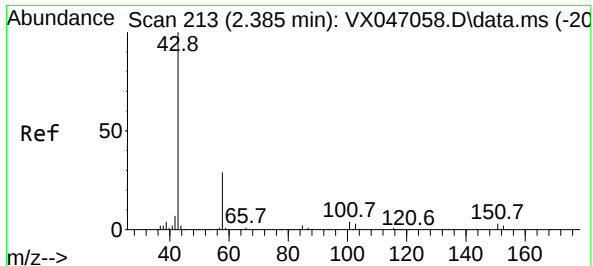
Tgt Ion:142 Resp: 2580
Ion Ratio Lower Upper
142 100
127 49.1 36.6 54.8
141 5.7 10.9 16.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.011 min
Lab File: VX047280.D
Acq: 08 Aug 2025 18:18

Tgt Ion: 59 Resp: 504
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

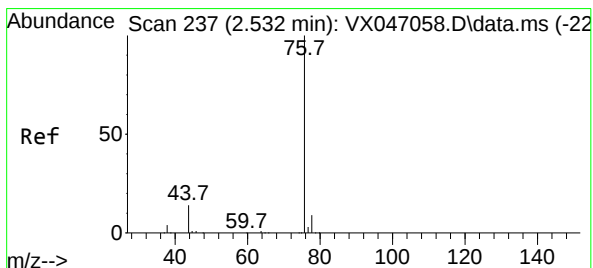
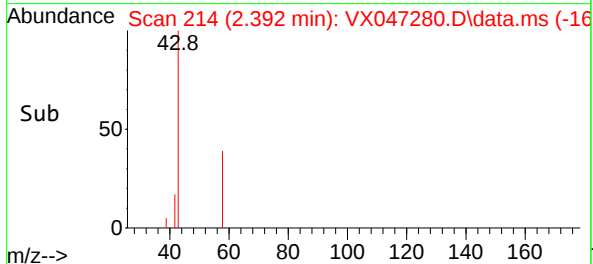
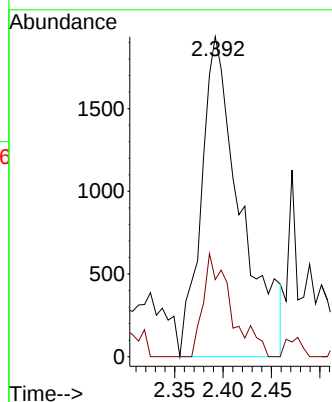
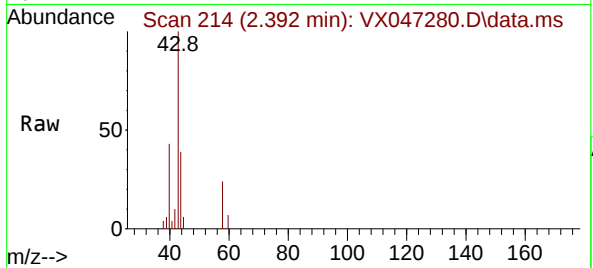




#16
Acetone
Concen: 4.662 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.007 min
Lab File: VX047280.D
Acq: 08 Aug 2025 18:18

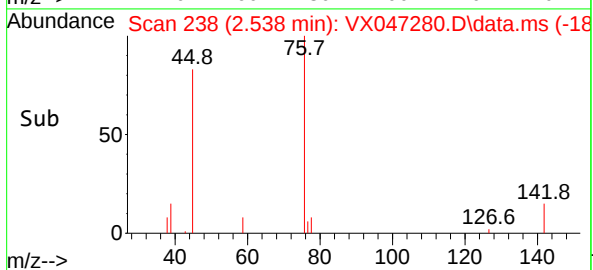
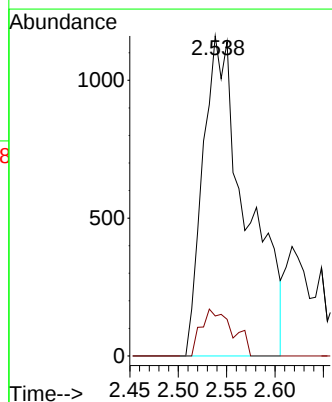
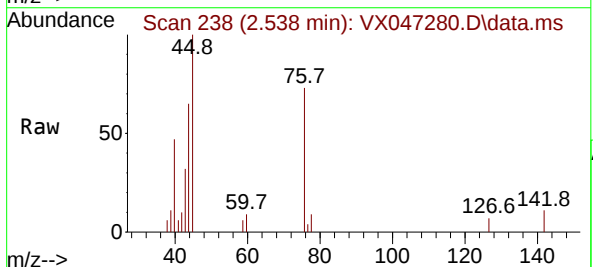
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

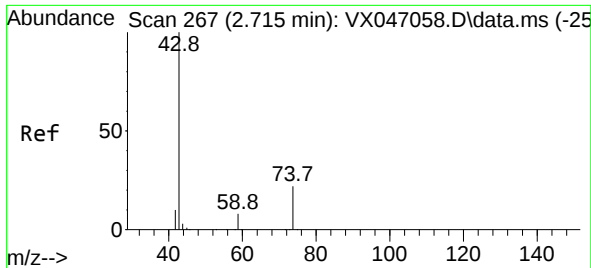
Tgt Ion: 43 Resp: 5466
Ion Ratio Lower Upper
43 100
58 26.3 24.0 36.0



#17
Carbon Disulfide
Concen: 0.423 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.007 min
Lab File: VX047280.D
Acq: 08 Aug 2025 18:18

Tgt Ion: 76 Resp: 3617
Ion Ratio Lower Upper
76 100
78 11.8 7.0 10.4#

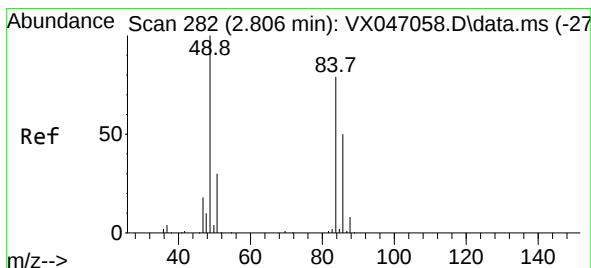
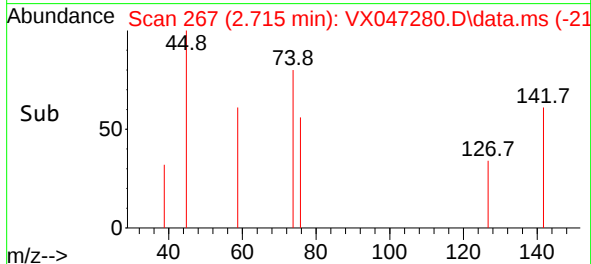
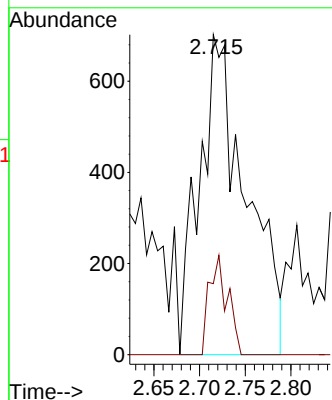
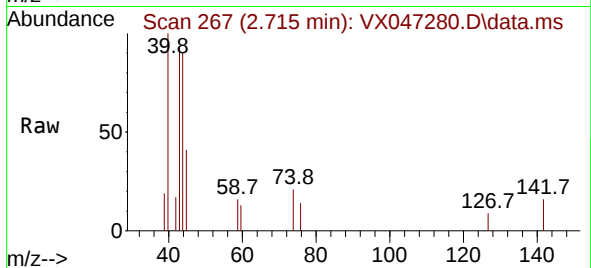




#18
Methyl Acetate
Concen: 0.802 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047280.D
Acq: 08 Aug 2025 18:18

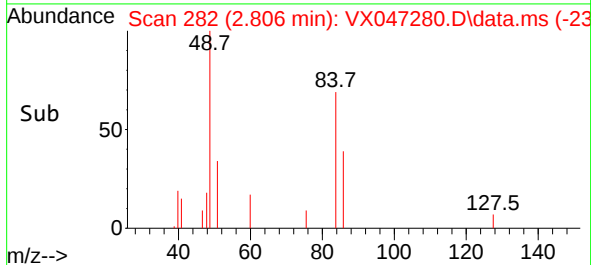
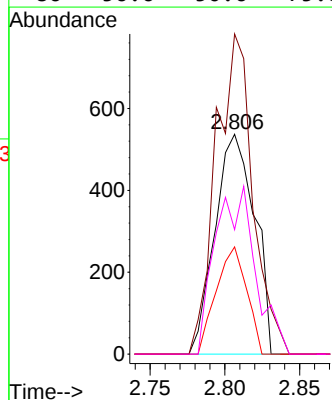
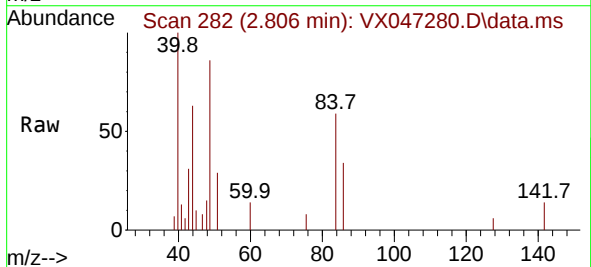
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

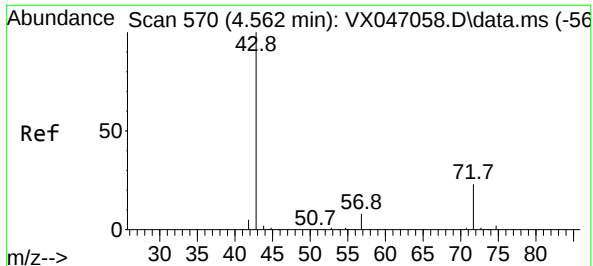
Tgt Ion: 43 Resp: 2499
Ion Ratio Lower Upper
43 100
74 12.2 17.7 26.5#



#20
Methylene Chloride
Concen: 0.307 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047280.D
Acq: 08 Aug 2025 18:18

Tgt Ion: 84 Resp: 990
Ion Ratio Lower Upper
84 100
49 145.6 101.6 152.4
51 48.8 30.3 45.5#
86 56.6 50.6 75.8

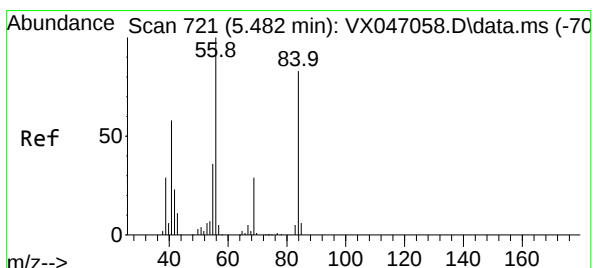
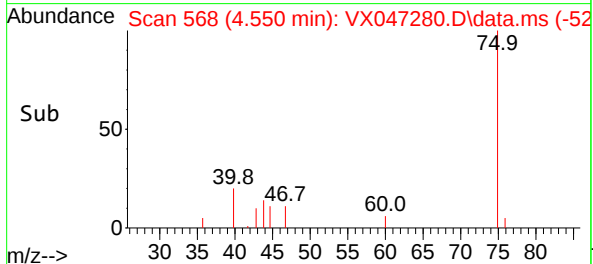
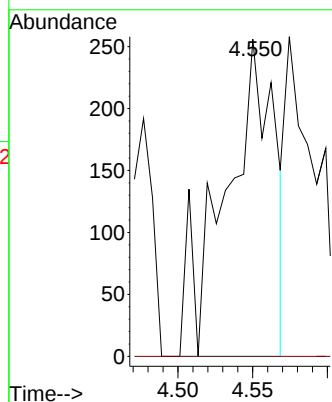
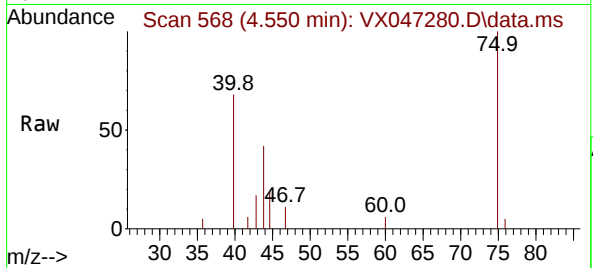




#25
2-Butanone
Concen: 0.345 ug/l
RT: 4.550 min Scan# 51
Delta R.T. -0.012 min
Lab File: VX047280.D
Acq: 08 Aug 2025 18:18

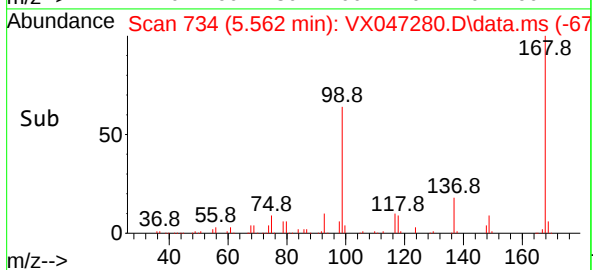
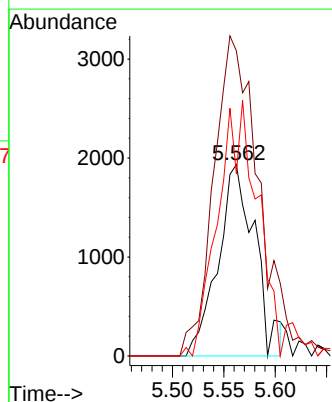
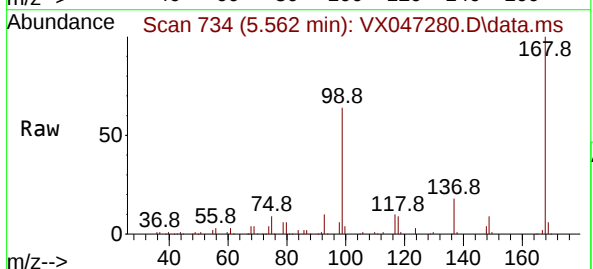
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

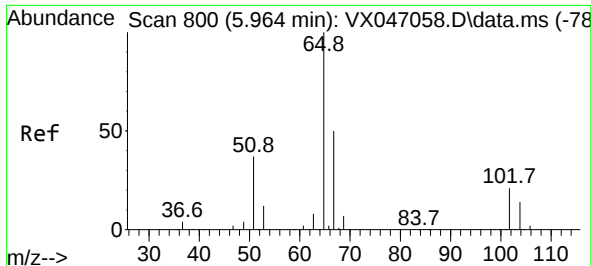
Tgt Ion: 43 Resp: 589
Ion Ratio Lower Upper
43 100
72 0.0 18.8 28.2#



#31
Cyclohexane
Concen: 0.885 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.080 min
Lab File: VX047280.D
Acq: 08 Aug 2025 18:18

Tgt Ion: 56 Resp: 4845
Ion Ratio Lower Upper
56 100
69 159.4 23.3 34.9#
84 95.3 66.5 99.7

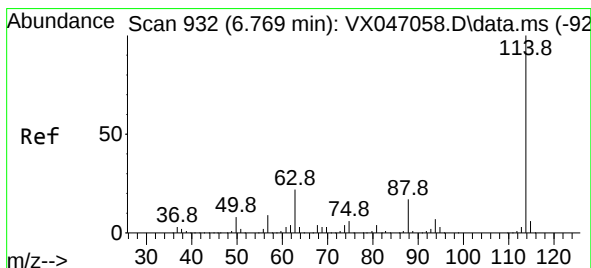
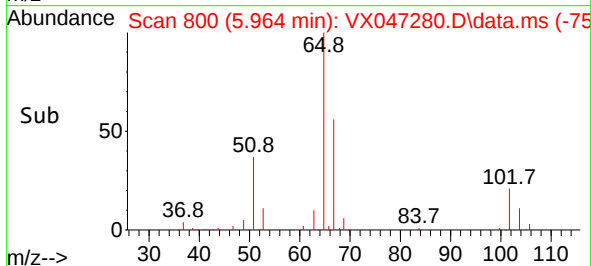
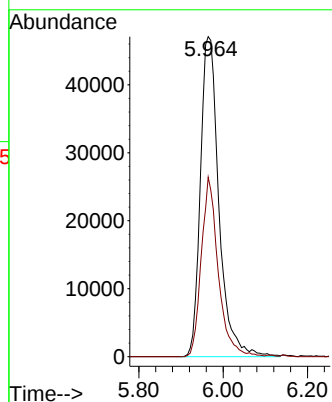
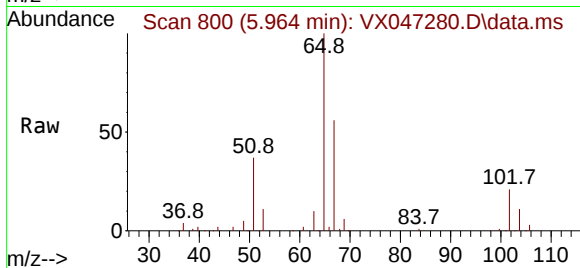




#33
 1,2-Dichloroethane-d4
 Concen: 49.144 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX047280.D
 Acq: 08 Aug 2025 18:18

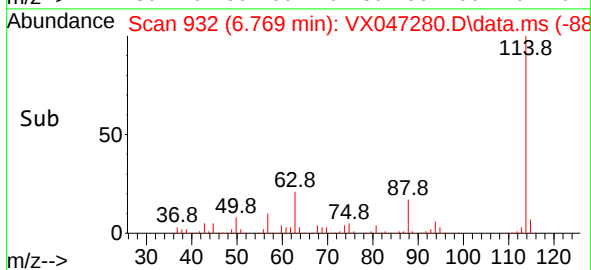
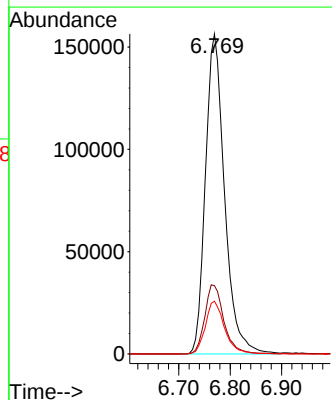
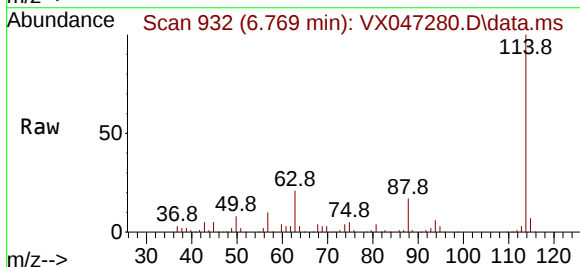
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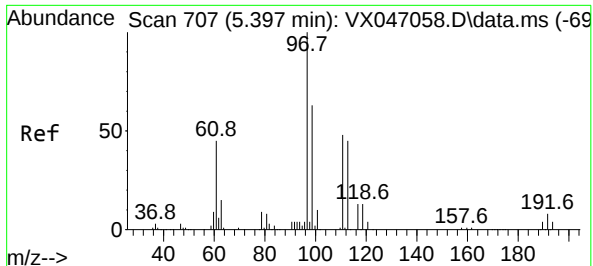
Tgt Ion: 65 Resp: 143843
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047280.D
 Acq: 08 Aug 2025 18:18

Tgt Ion: 114 Resp: 404221
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.2
 88 16.5 0.0 33.8





#35

Dibromofluoromethane

Concen: 49.958 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047280.D

Acq: 08 Aug 2025 18:18

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

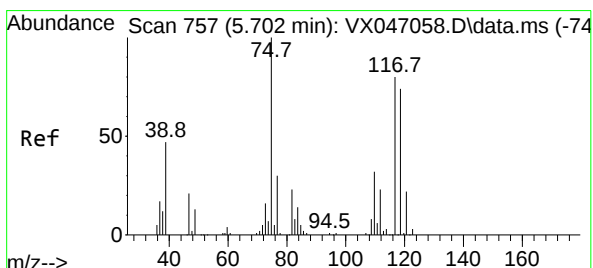
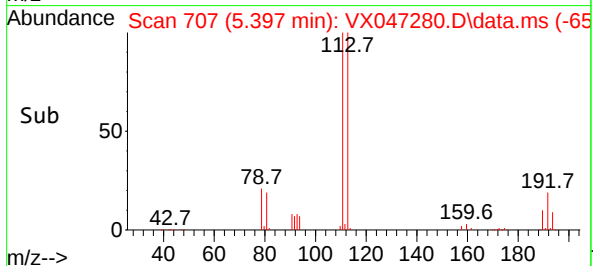
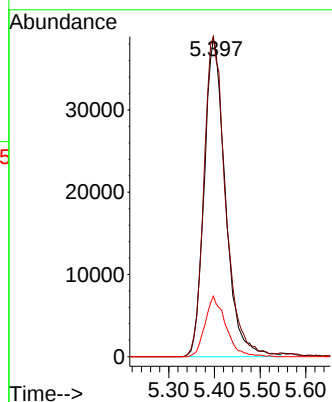
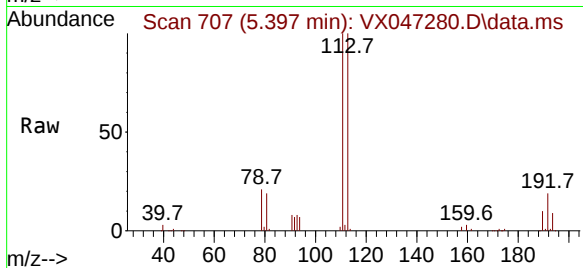
Tgt Ion:113 Resp: 124685

Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

192 18.6 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.615 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX047280.D

Acq: 08 Aug 2025 18:18

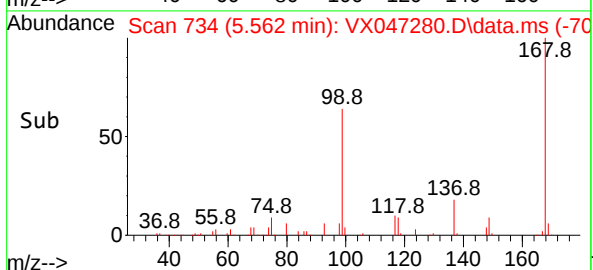
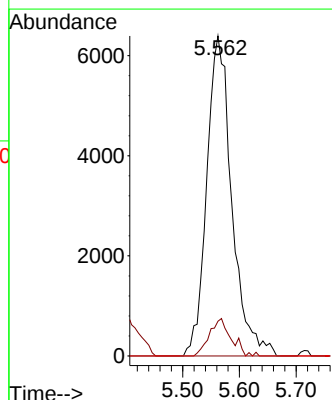
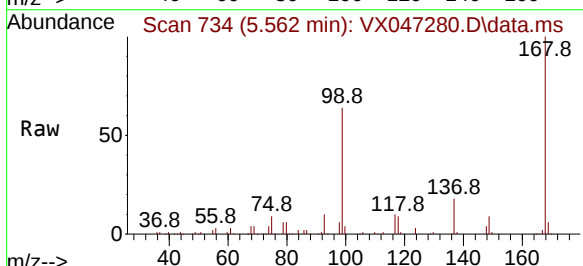
Tgt Ion: 75 Resp: 19634

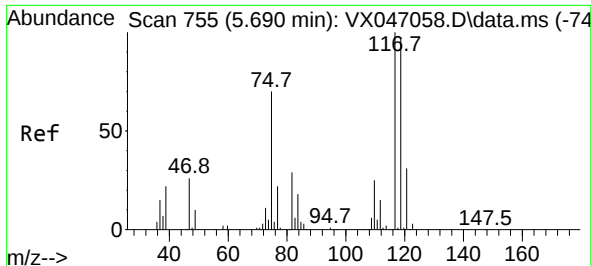
Ion Ratio Lower Upper

75 100

110 10.1 17.2 51.5#

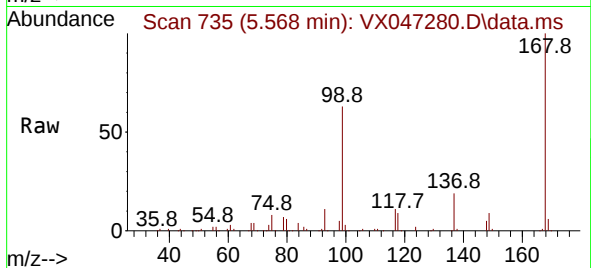
77 0.0 25.1 37.7#



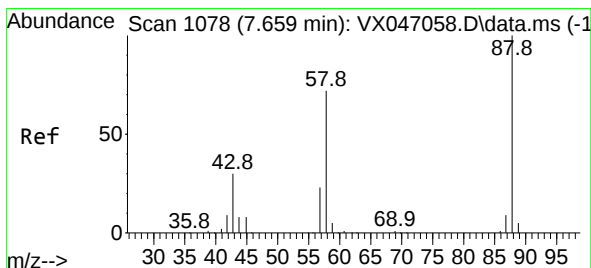
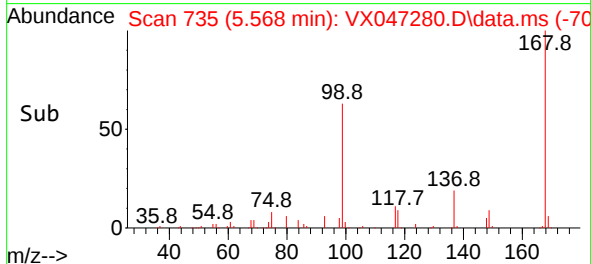
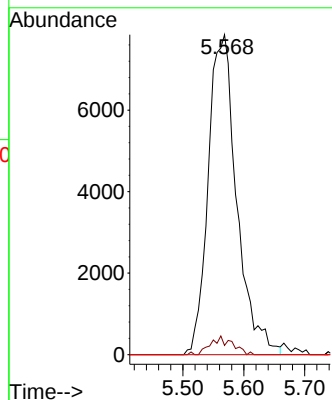


#38
Carbon Tetrachloride
Concen: 5.628 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX047280.D
Acq: 08 Aug 2025 18:18

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

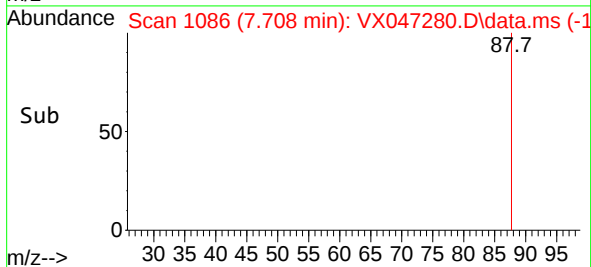
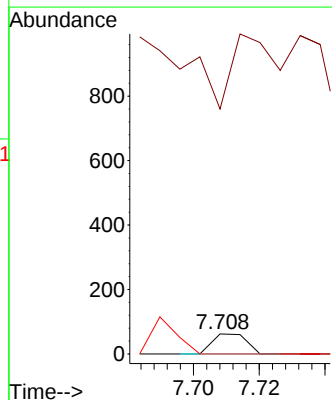
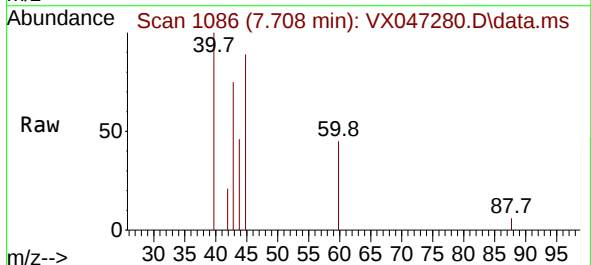


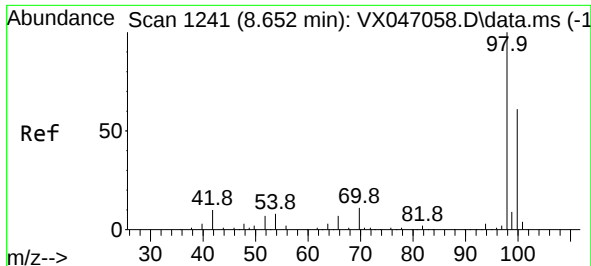
Tgt Ion:117 Resp: 25556
Ion Ratio Lower Upper
117 100
119 2.9 76.6 115.0#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 1.188 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.049 min
Lab File: VX047280.D
Acq: 08 Aug 2025 18:18

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 1368.9 33.6 50.4#
58 0.0 58.8 88.2#

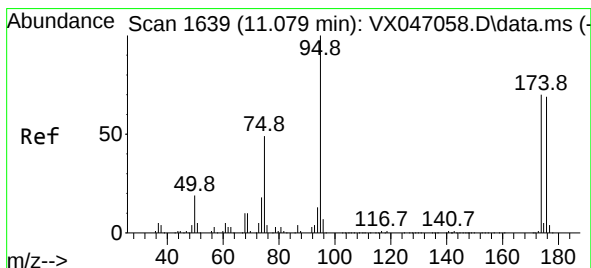
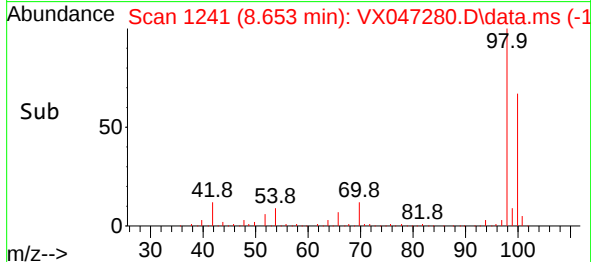
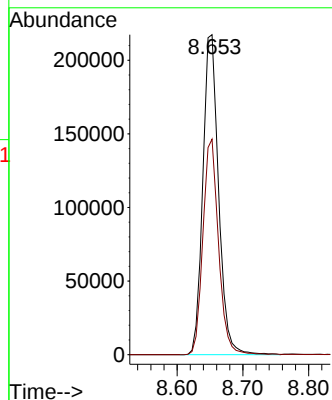
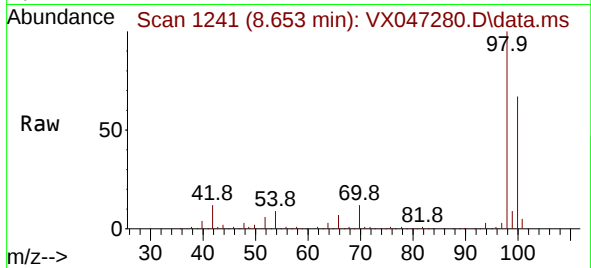




#50
Toluene-d8
Concen: 44.836 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX047280.D
Acq: 08 Aug 2025 18:18

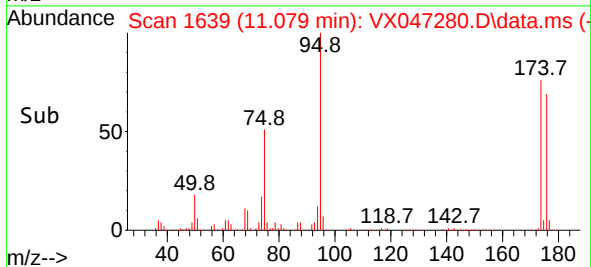
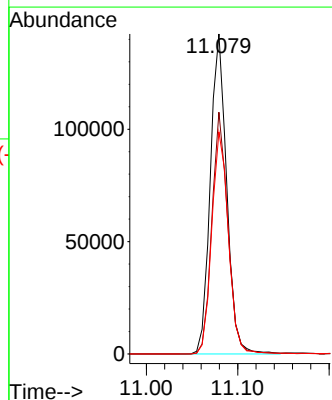
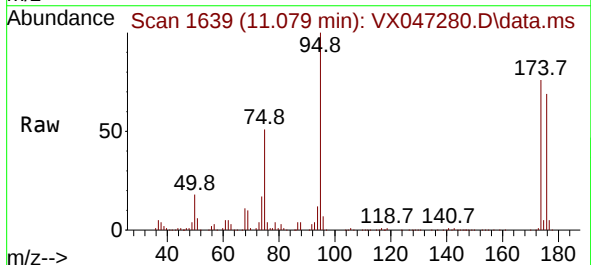
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

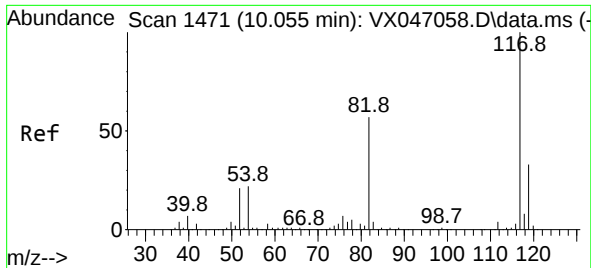
Tgt Ion: 98 Resp: 362389
Ion Ratio Lower Upper
98 100
100 66.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 50.632 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047280.D
Acq: 08 Aug 2025 18:18

Tgt Ion: 95 Resp: 176359
Ion Ratio Lower Upper
95 100
174 74.2 0.0 144.6
176 70.9 0.0 139.6

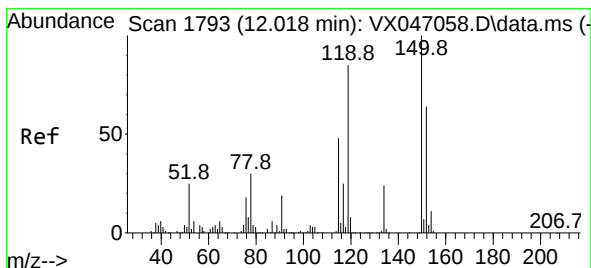
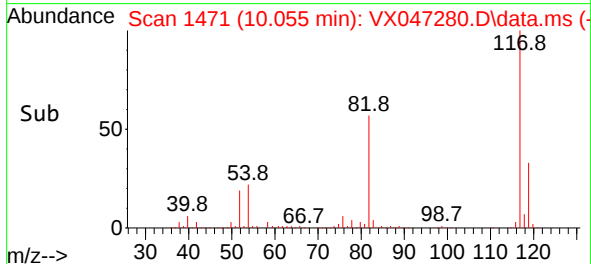
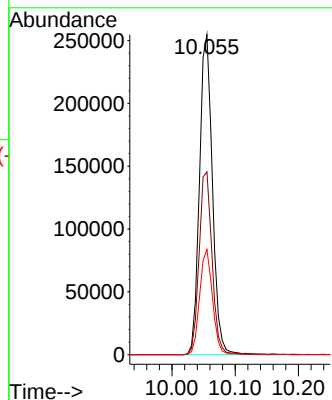
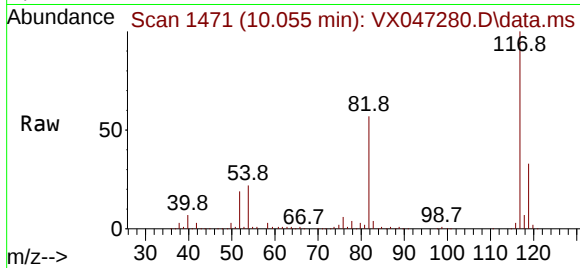




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047280.D
Acq: 08 Aug 2025 18:18

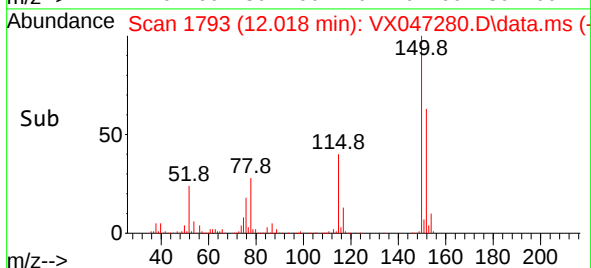
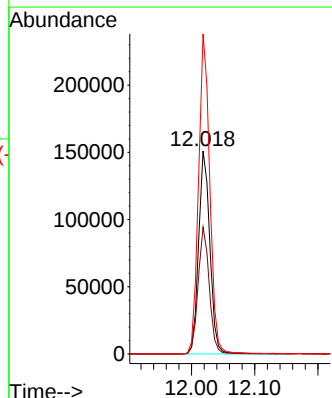
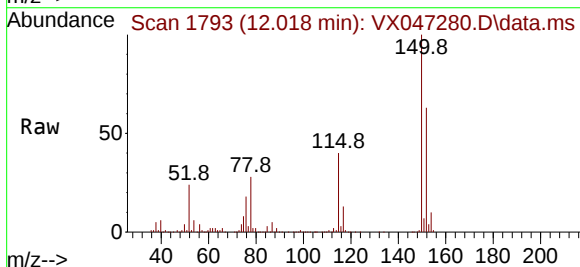
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

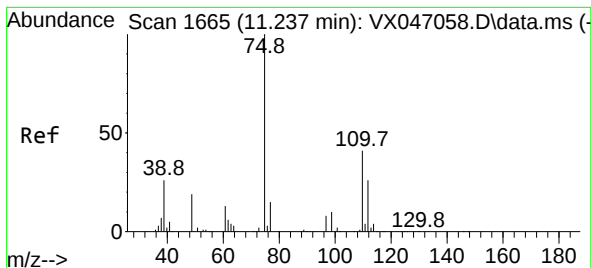
Tgt Ion:117 Resp: 363761
Ion Ratio Lower Upper
117 100
82 57.2 45.4 68.2
119 32.9 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047280.D
Acq: 08 Aug 2025 18:18

Tgt Ion:152 Resp: 187713
Ion Ratio Lower Upper
152 100
115 61.9 45.6 136.7
150 157.3 0.0 354.6





#76

1,2,3-Trichloropropane

Concen: 26.208 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX047280.D

Acq: 08 Aug 2025 18:18

Instrument :

MSVOA_X

ClientSampleId :

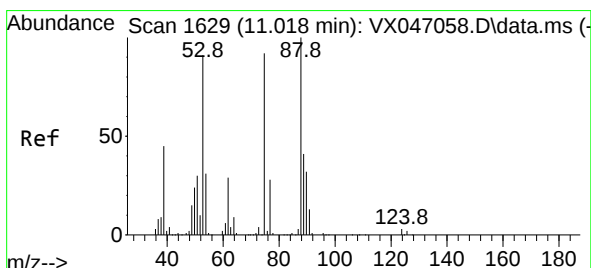
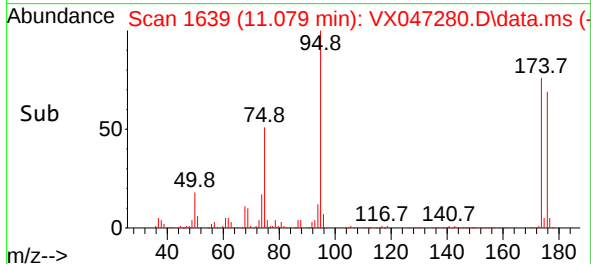
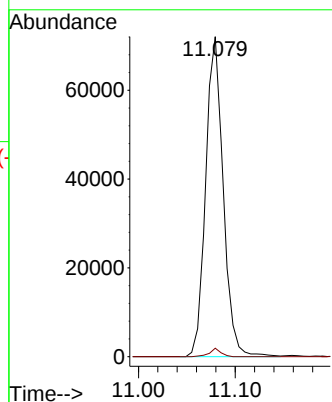
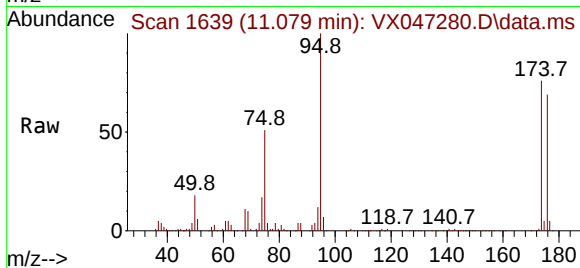
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 75 Resp: 91058

Ion Ratio Lower Upper

75 100

77 1.7 21.6 65.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.521 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX047280.D

Acq: 08 Aug 2025 18:18

Tgt Ion: 75 Resp: 91058

Ion Ratio Lower Upper

75 100

53 0.0 84.2 126.4#

89 0.0 36.0 54.0#

