

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
 Data File : VX047278.D
 Acq On : 08 Aug 2025 17:36
 Operator : JC/MD
 Sample : Q2812-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

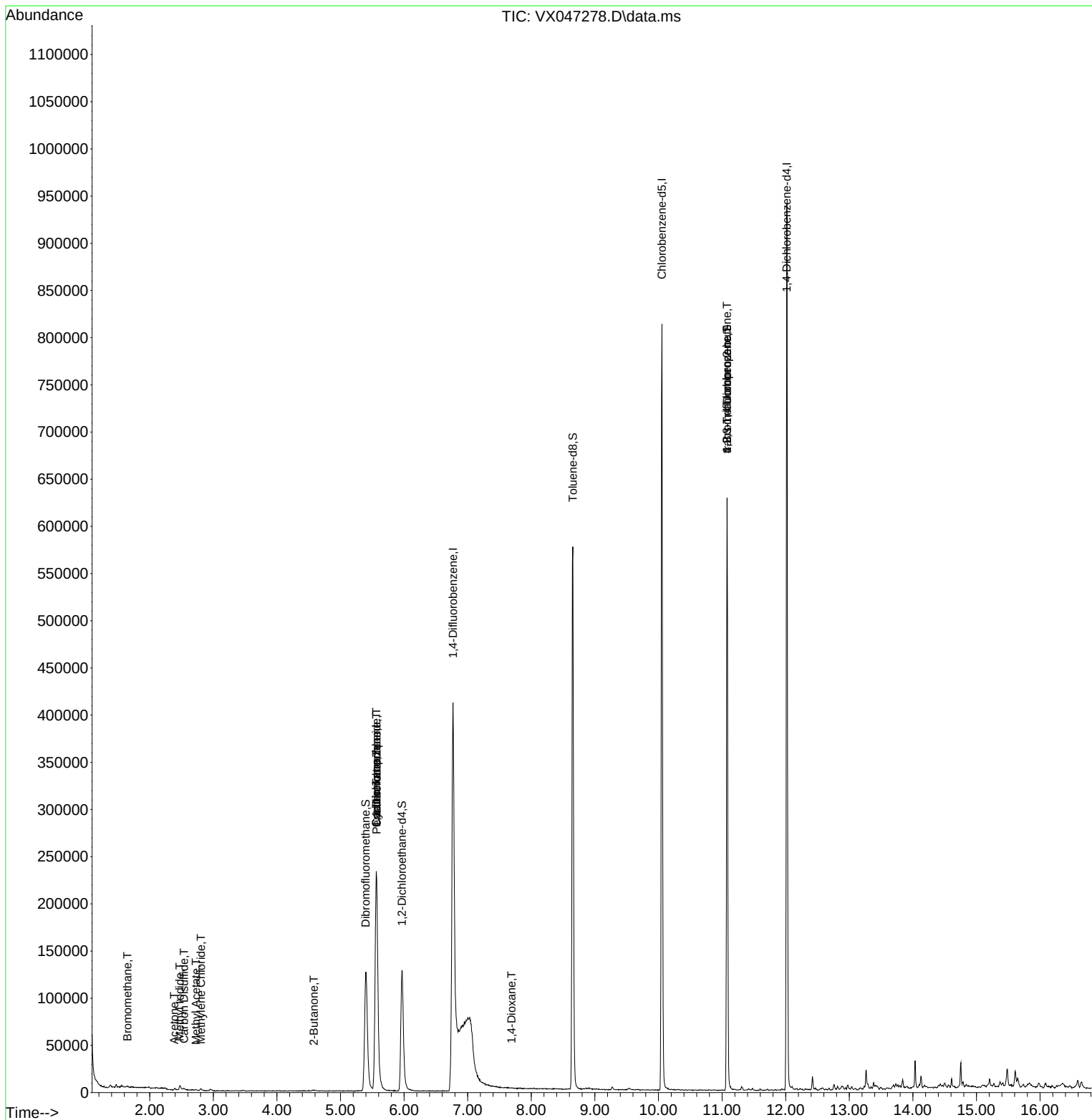
Quant Time: Aug 11 02:05:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

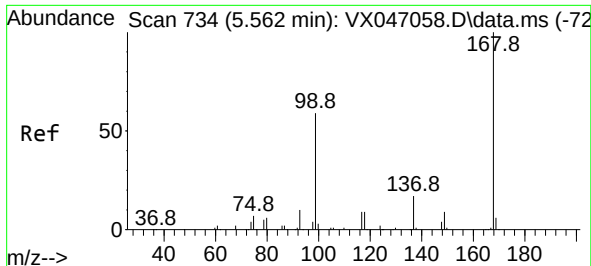
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.568	168	234243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	402057	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	361186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	185644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	139608	47.845	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.680%
35) Dibromofluoromethane	5.397	113	123295	49.667	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.340%
50) Toluene-d8	8.653	98	357729	44.497	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.000%#
62) 4-Bromofluorobenzene	11.079	95	170378	49.178	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.360%
Target Compounds						
					Qvalue	
5) Bromomethane	1.648	94	469	0.261	ug/l #	4
10) Methyl Iodide	2.471	142	6949	2.294	ug/l	98
11) Tert butyl alcohol	2.971	59	455	Below Cal	#	72
16) Acetone	2.386	43	4252	3.638	ug/l	90
17) Carbon Disulfide	2.538	76	2053	0.241	ug/l #	67
18) Methyl Acetate	2.727	43	1370	0.441	ug/l #	86
20) Methylene Chloride	2.806	84	836	0.260	ug/l	88
25) 2-Butanone	4.580	43	399	0.234	ug/l #	52
31) Cyclohexane	5.562	56	4942	0.906	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	20149	4.762	ug/l #	49
38) Carbon Tetrachloride	5.562	117	25314	5.605	ug/l #	17
49) 1,4-Dioxane	7.690	88	94	2.496	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	89874	26.155	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	89874	67.386	ug/l #	8

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

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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

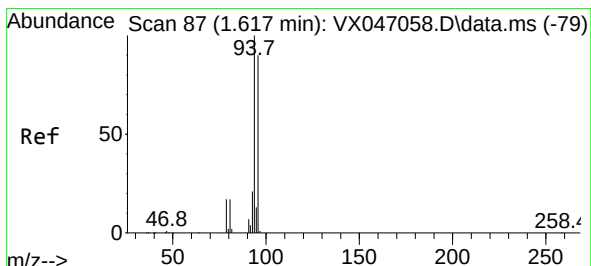
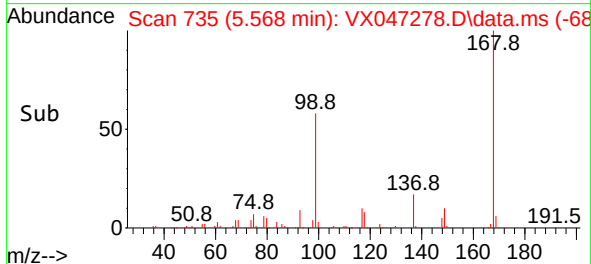
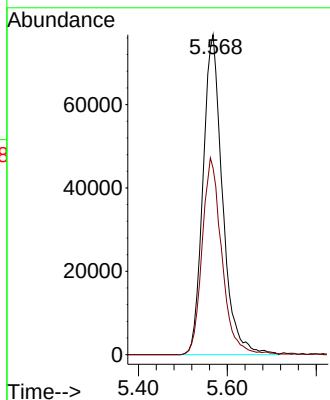
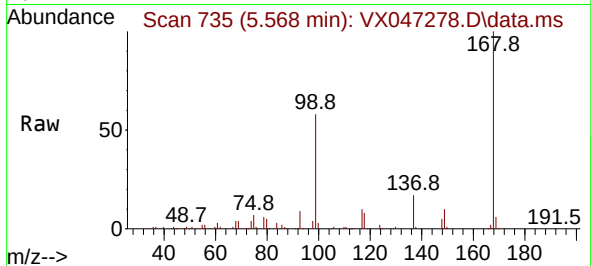




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047278.D
Acq: 08 Aug 2025 17:36

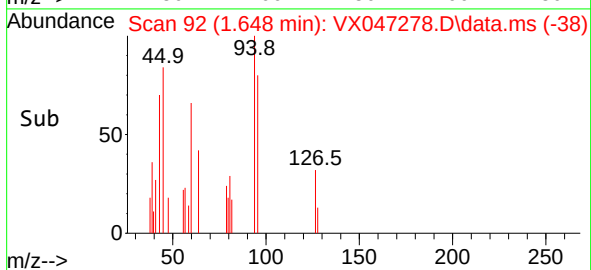
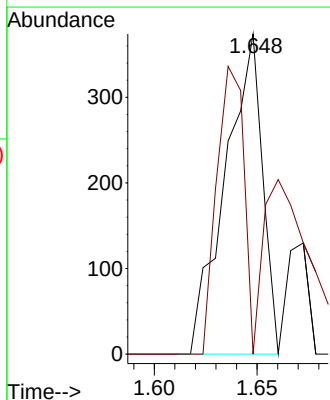
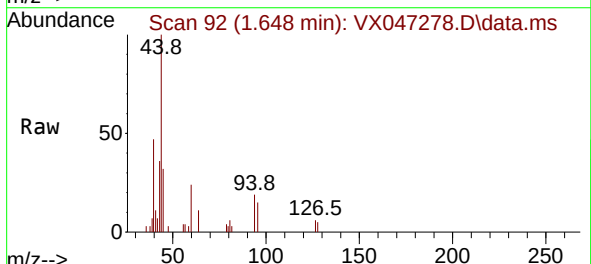
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

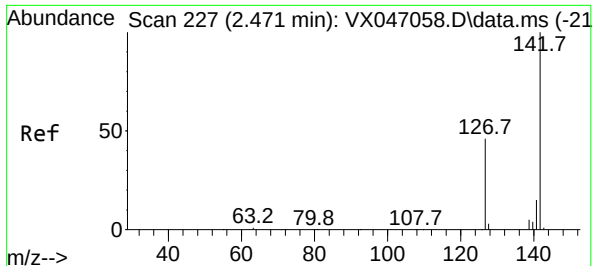
Tgt Ion:168 Resp: 234243
Ion Ratio Lower Upper
168 100
99 58.3 48.0 72.0



#5
Bromomethane
Concen: 0.261 ug/l
RT: 1.648 min Scan# 92
Delta R.T. 0.031 min
Lab File: VX047278.D
Acq: 08 Aug 2025 17:36

Tgt Ion: 94 Resp: 469
Ion Ratio Lower Upper
94 100
96 0.0 72.3 108.5#

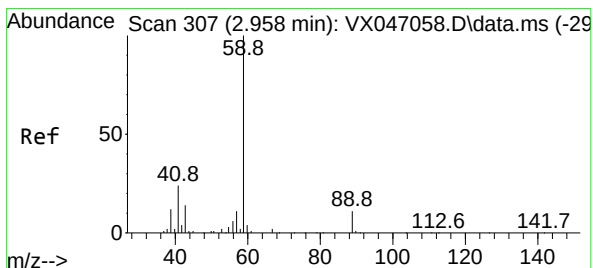
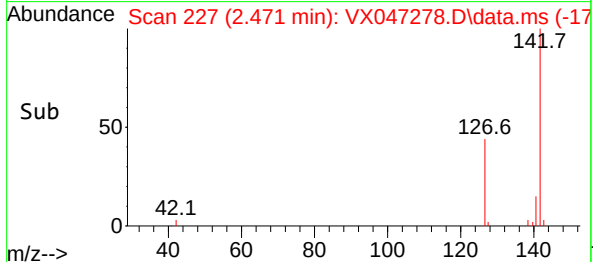
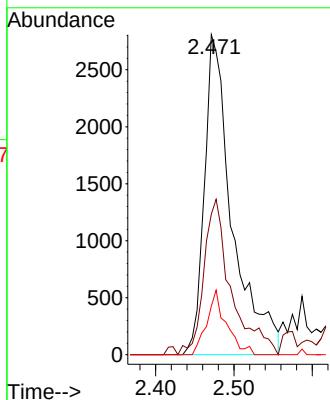
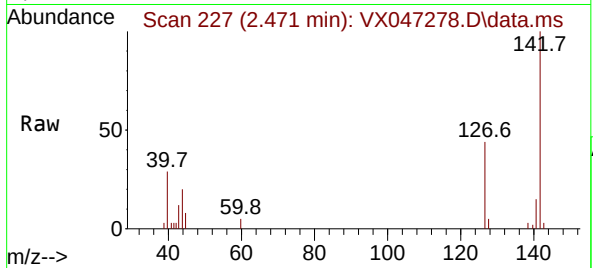




#10
Methyl Iodide
Concen: 2.294 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047278.D
Acq: 08 Aug 2025 17:36

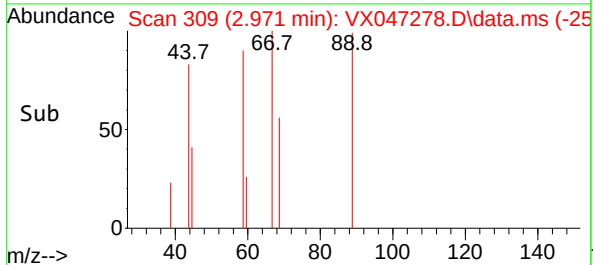
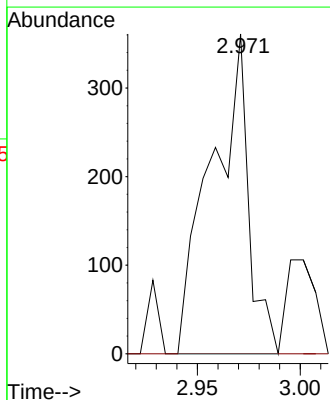
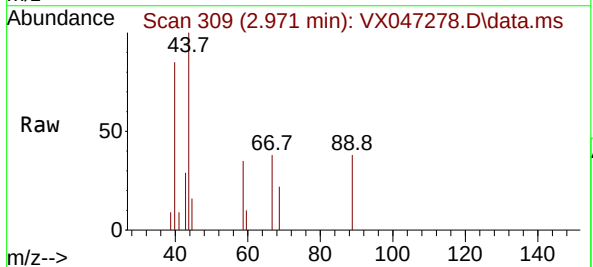
Instrument :
MSVOA_X
ClientSampleId :
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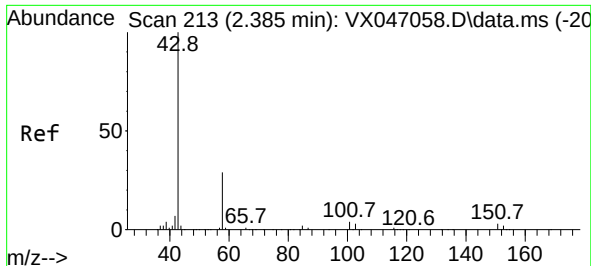
Tgt Ion:142 Resp: 6949
Ion Ratio Lower Upper
142 100
127 47.4 36.6 54.8
141 14.1 10.9 16.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. 0.013 min
Lab File: VX047278.D
Acq: 08 Aug 2025 17:36

Tgt Ion: 59 Resp: 455
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

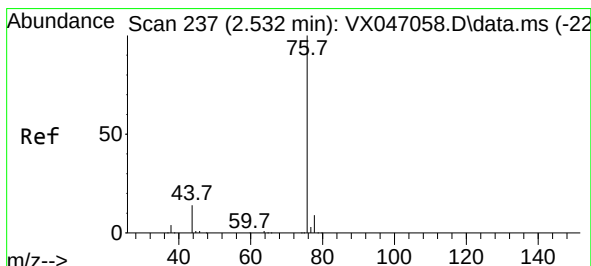
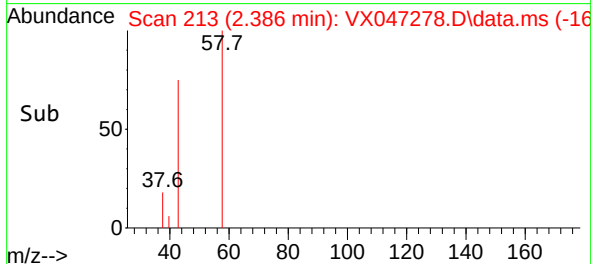
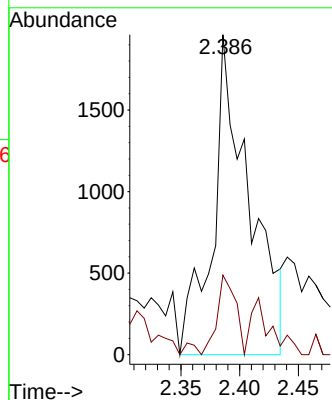
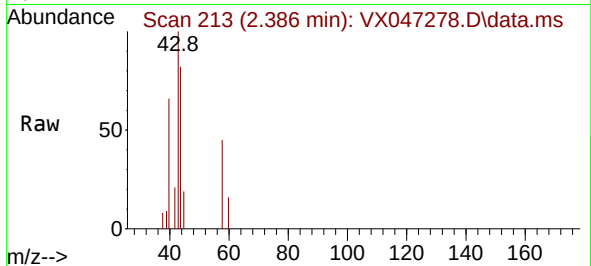




#16
Acetone
Concen: 3.638 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047278.D
Acq: 08 Aug 2025 17:36

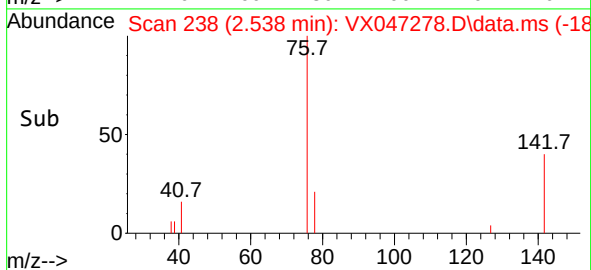
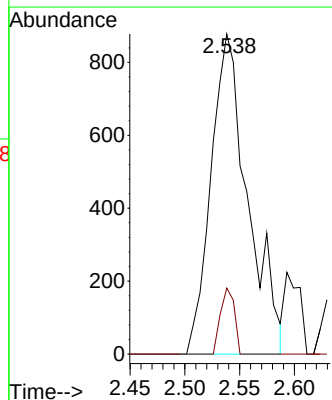
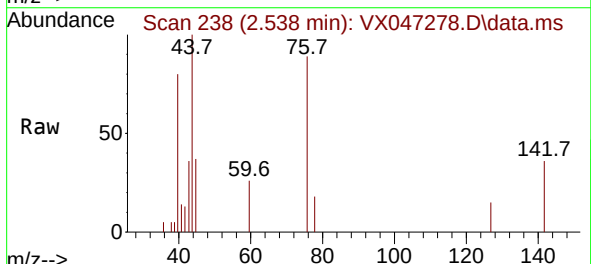
Instrument :
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ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

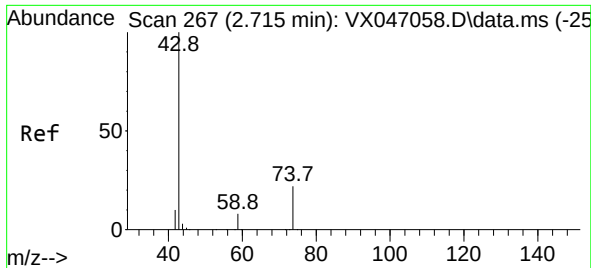
Tgt Ion: 43 Resp: 4252
Ion Ratio Lower Upper
43 100
58 24.8 24.0 36.0



#17
Carbon Disulfide
Concen: 0.241 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX047278.D
Acq: 08 Aug 2025 17:36

Tgt Ion: 76 Resp: 2053
Ion Ratio Lower Upper
76 100
78 20.6 7.0 10.4#

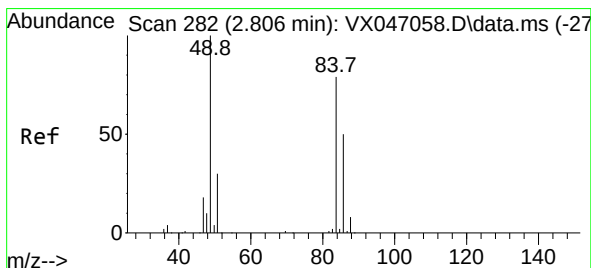
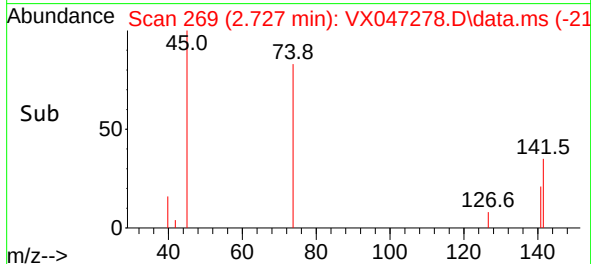
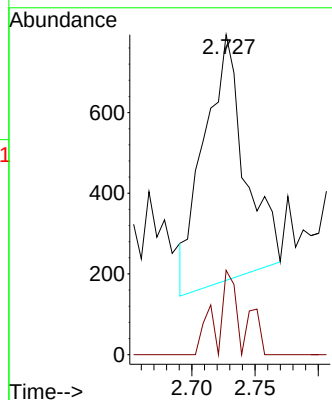
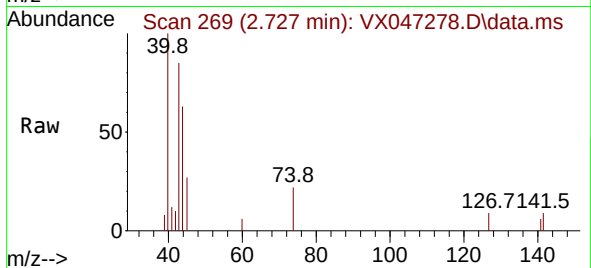




#18
Methyl Acetate
Concen: 0.441 ug/l
RT: 2.727 min Scan# 20
Delta R.T. 0.013 min
Lab File: VX047278.D
Acq: 08 Aug 2025 17:36

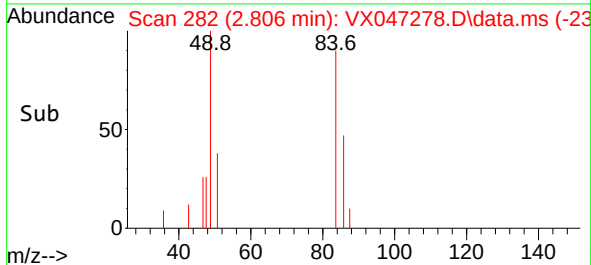
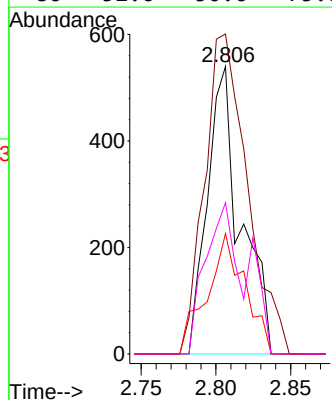
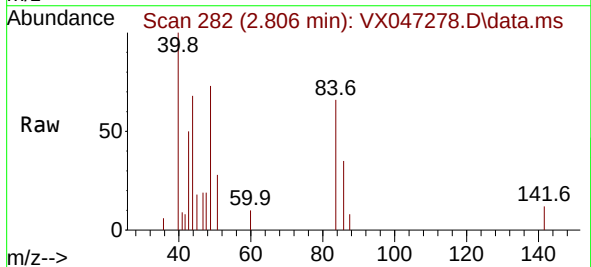
Instrument :
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ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

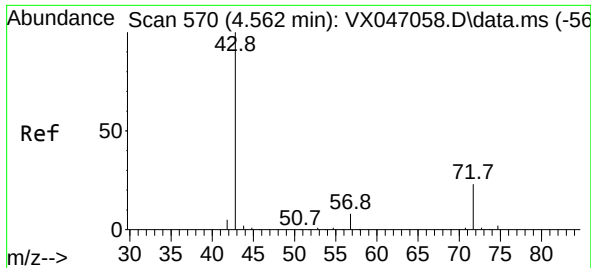
Tgt Ion: 43 Resp: 1370
Ion Ratio Lower Upper
43 100
74 15.5 17.7 26.5#



#20
Methylene Chloride
Concen: 0.260 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047278.D
Acq: 08 Aug 2025 17:36

Tgt Ion: 84 Resp: 836
Ion Ratio Lower Upper
84 100
49 111.3 101.6 152.4
51 41.9 30.3 45.5
86 52.6 50.6 75.8

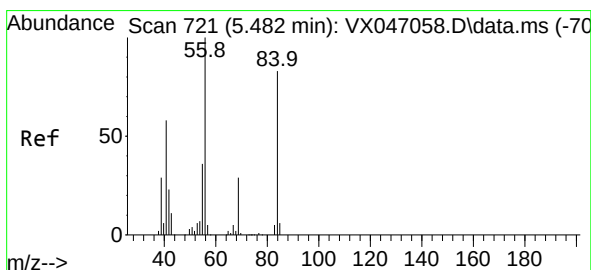
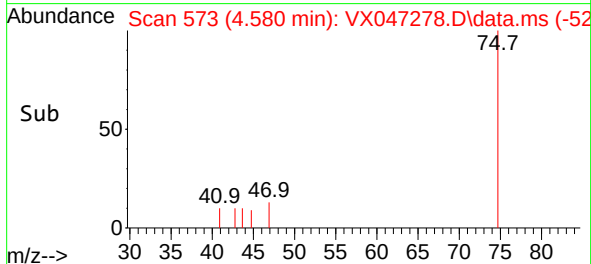
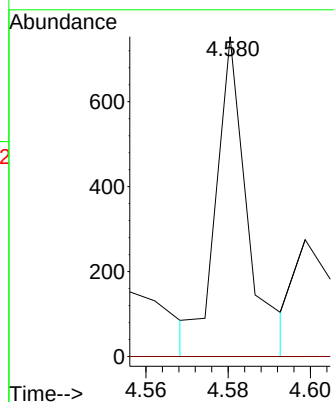
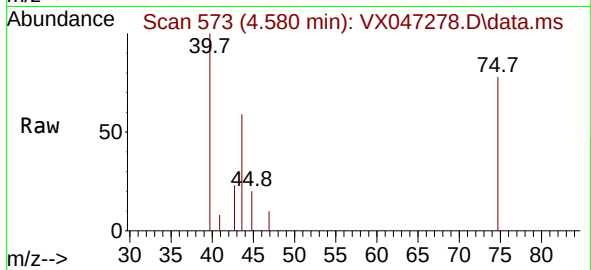




#25
2-Butanone
Concen: 0.234 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.019 min
Lab File: VX047278.D
Acq: 08 Aug 2025 17:36

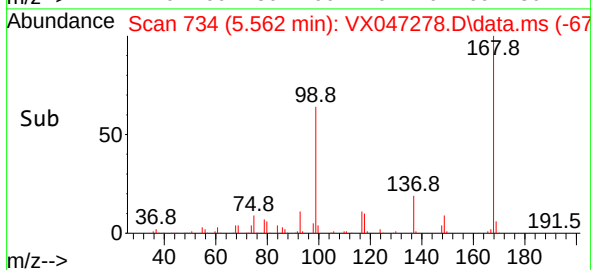
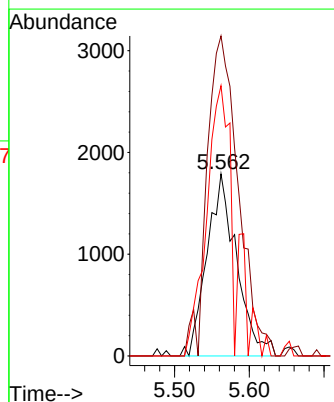
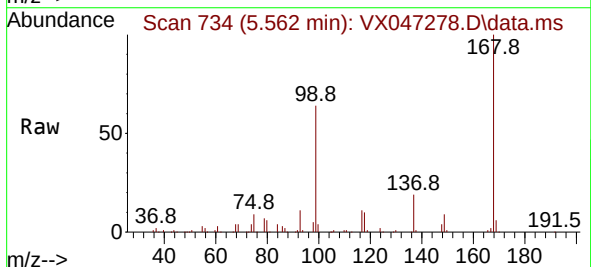
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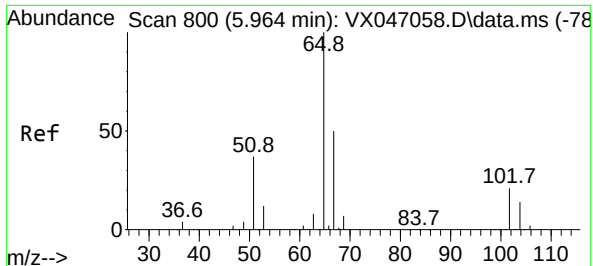
Tgt Ion: 43 Resp: 399
Ion Ratio Lower Upper
43 100
72 0.0 18.8 28.2#



#31
Cyclohexane
Concen: 0.906 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.080 min
Lab File: VX047278.D
Acq: 08 Aug 2025 17:36

Tgt Ion: 56 Resp: 4942
Ion Ratio Lower Upper
56 100
69 175.7 23.3 34.9#
84 148.4 66.5 99.7#

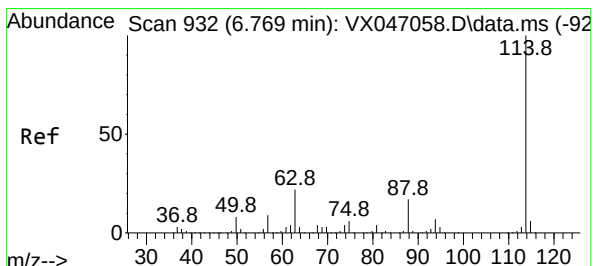
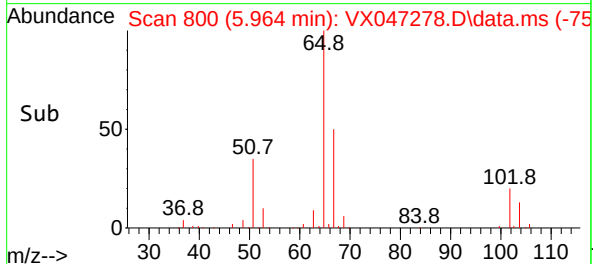
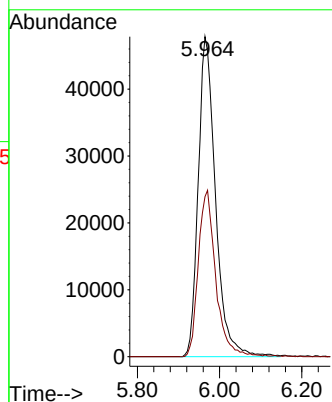
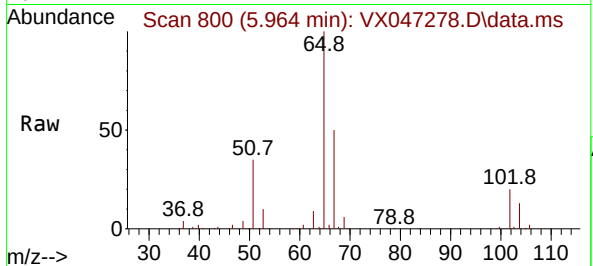




#33
 1,2-Dichloroethane-d4
 Concen: 47.845 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX047278.D
 Acq: 08 Aug 2025 17:36

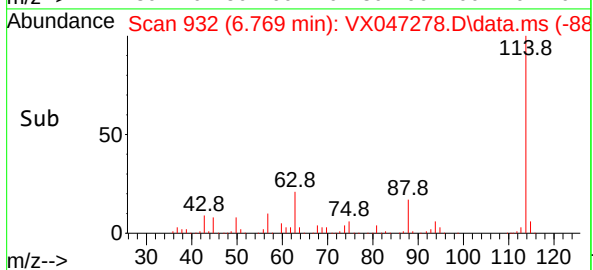
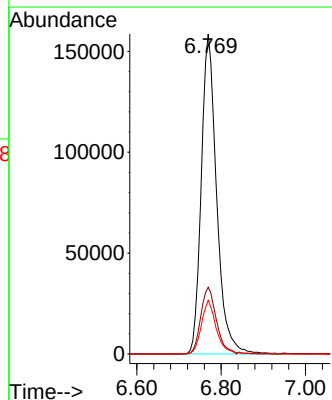
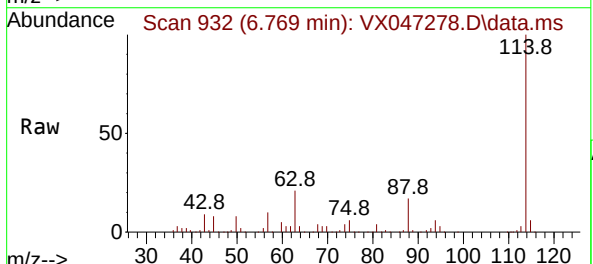
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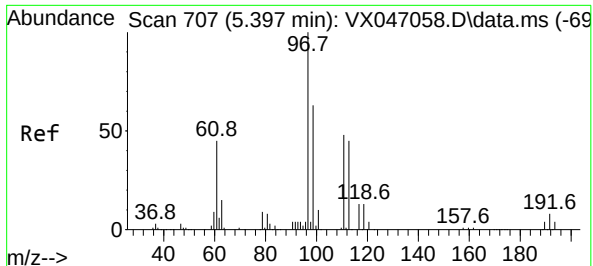
Tgt Ion: 65 Resp: 139608
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047278.D
 Acq: 08 Aug 2025 17:36

Tgt Ion: 114 Resp: 402057
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.2
 88 16.7 0.0 33.8

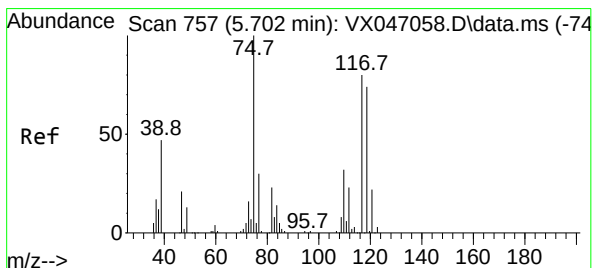
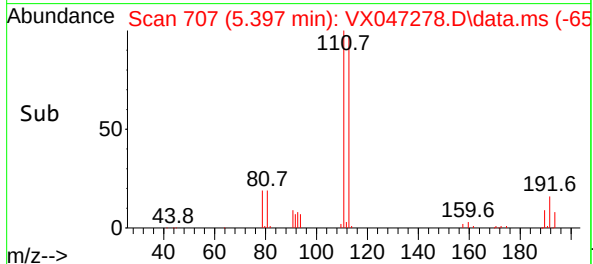
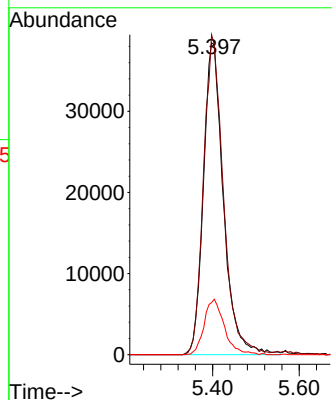
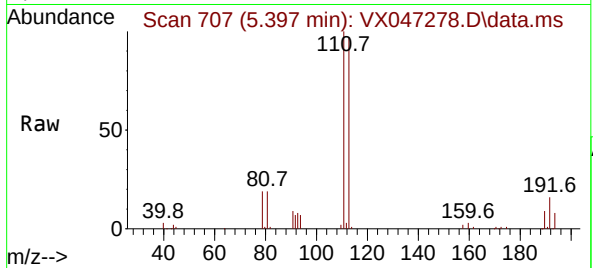




#35
Dibromofluoromethane
Concen: 49.667 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047278.D
Acq: 08 Aug 2025 17:36

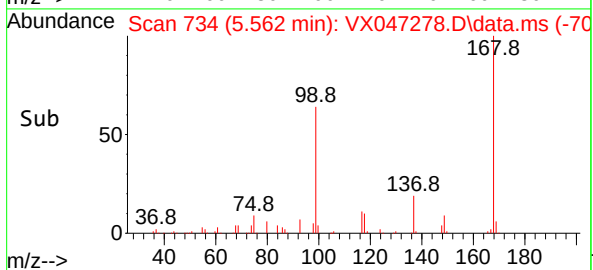
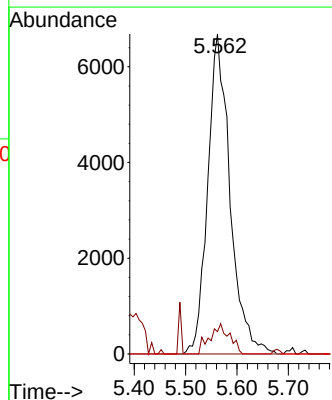
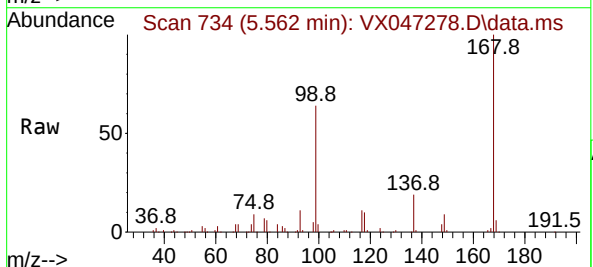
Instrument :
MSVOA_X
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STORAGE-BLANK-SOIL-REF-6

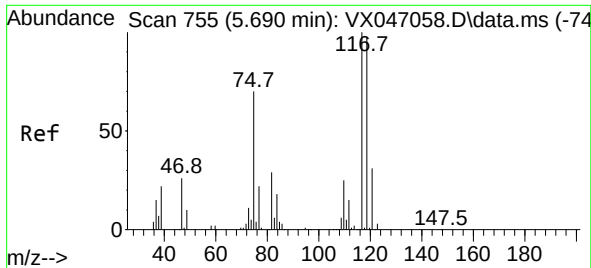
Tgt Ion:113 Resp: 123295
Ion Ratio Lower Upper
113 100
111 101.7 82.6 124.0
192 18.0 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.762 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX047278.D
Acq: 08 Aug 2025 17:36

Tgt Ion: 75 Resp: 20149
Ion Ratio Lower Upper
75 100
110 8.4 17.2 51.5#
77 0.0 25.1 37.7#

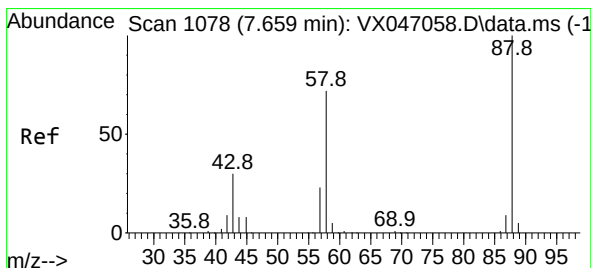
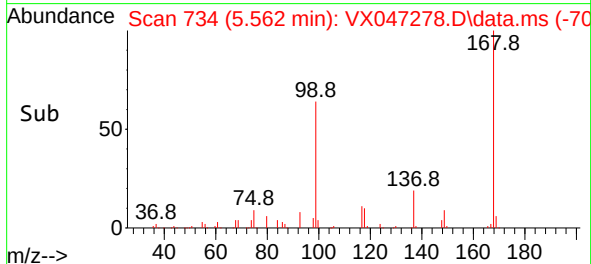
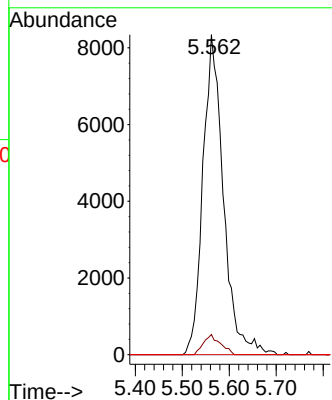
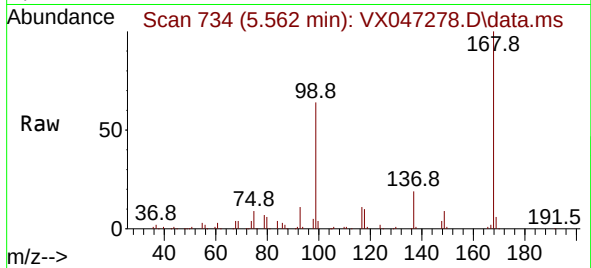




#38
Carbon Tetrachloride
Concen: 5.605 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047278.D
Acq: 08 Aug 2025 17:36

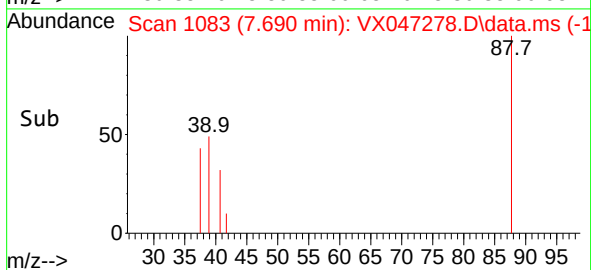
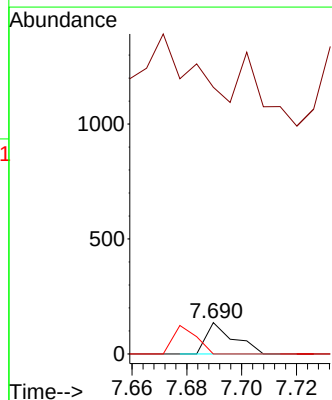
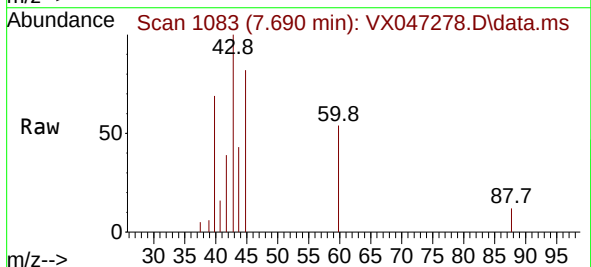
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

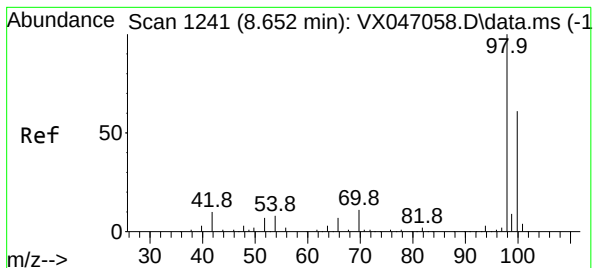
Tgt Ion:117 Resp: 25314
Ion Ratio Lower Upper
117 100
119 6.3 76.6 115.0#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 2.496 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.031 min
Lab File: VX047278.D
Acq: 08 Aug 2025 17:36

Tgt Ion: 88 Resp: 94
Ion Ratio Lower Upper
88 100
43 767.0 33.6 50.4#
58 77.7 58.8 88.2





#50

Toluene-d8

Concen: 44.497 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047278.D

Acq: 08 Aug 2025 17:36

Instrument :

MSVOA_X

ClientSampleId :

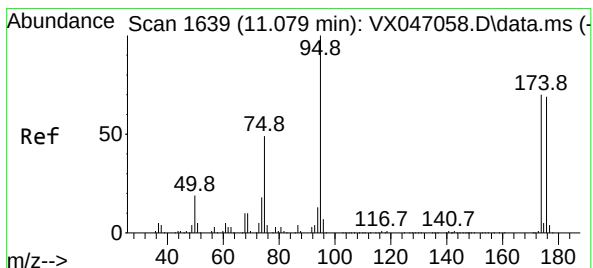
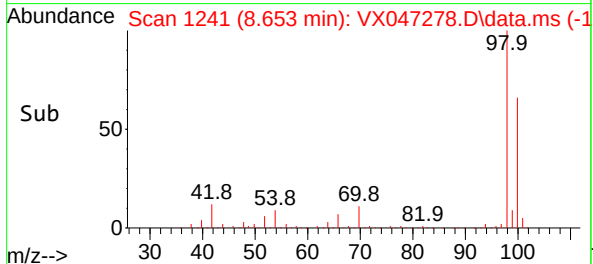
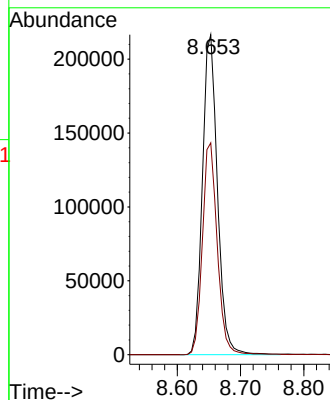
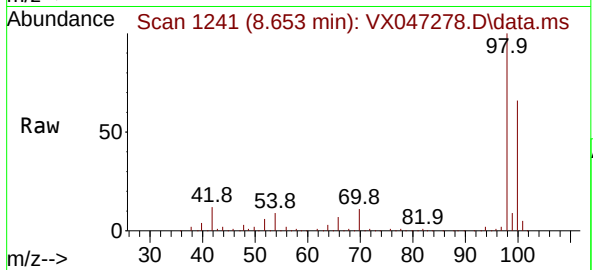
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 98 Resp: 357729

Ion Ratio Lower Upper

98 100

100 65.5 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 49.178 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047278.D

Acq: 08 Aug 2025 17:36

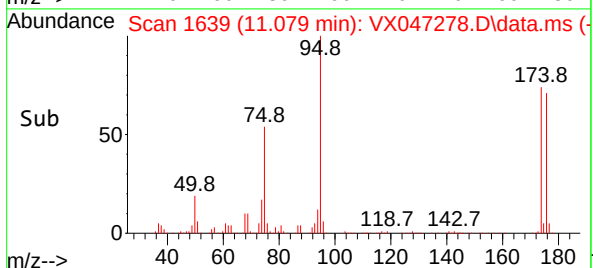
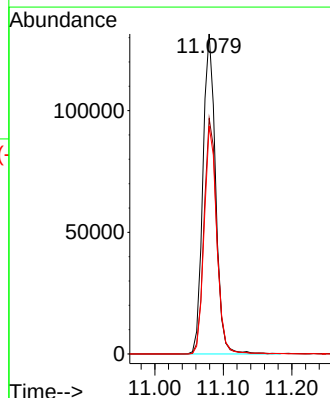
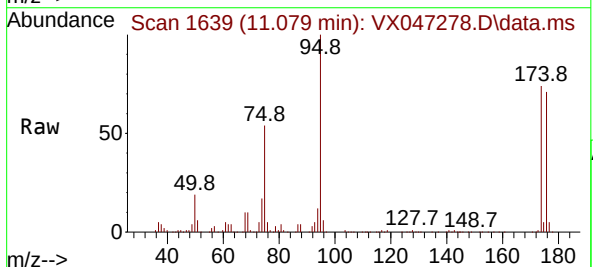
Tgt Ion: 95 Resp: 170378

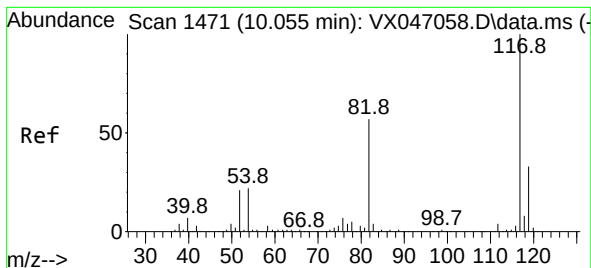
Ion Ratio Lower Upper

95 100

174 73.5 0.0 144.6

176 70.6 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: VX047278.D

Acq: 08 Aug 2025 17:36

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

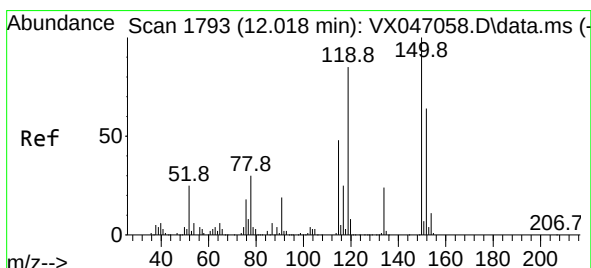
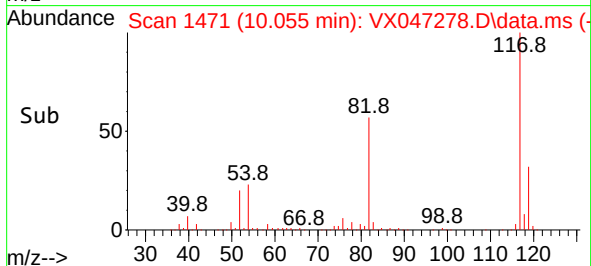
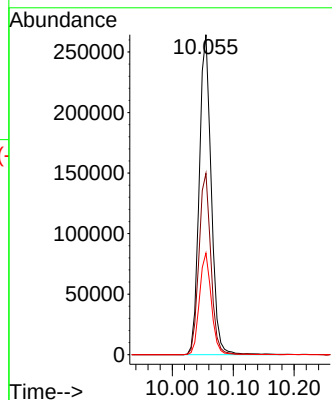
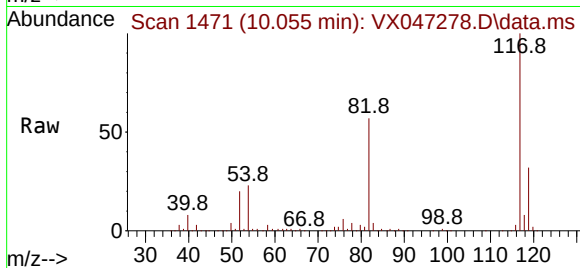
Tgt Ion:117 Resp: 361186

Ion Ratio Lower Upper

117 100

82 56.6 45.4 68.2

119 31.8 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: VX047278.D

Acq: 08 Aug 2025 17:36

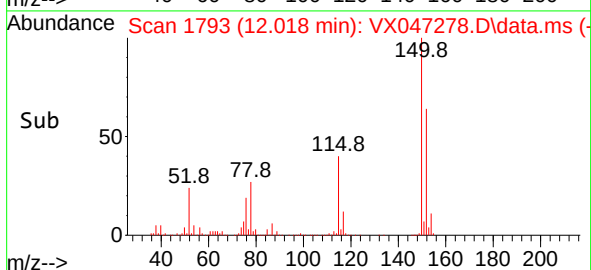
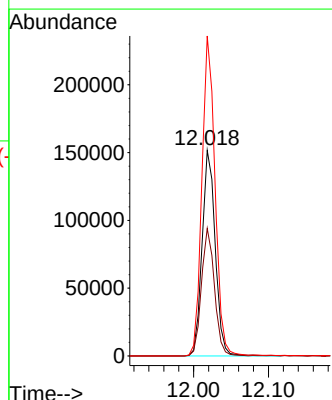
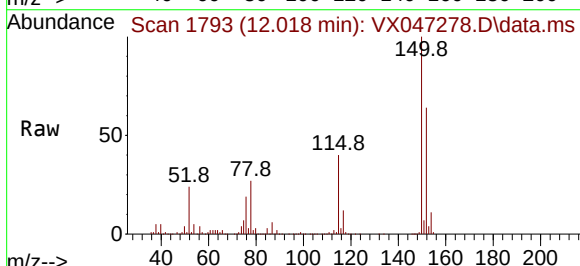
Tgt Ion:152 Resp: 185644

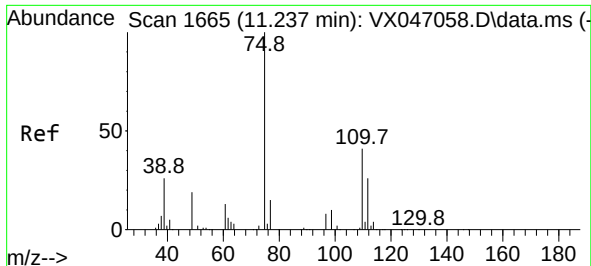
Ion Ratio Lower Upper

152 100

115 61.4 45.6 136.7

150 155.5 0.0 354.6

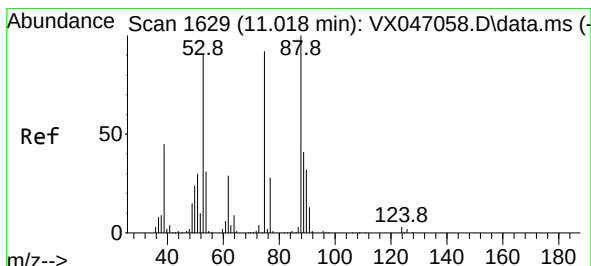
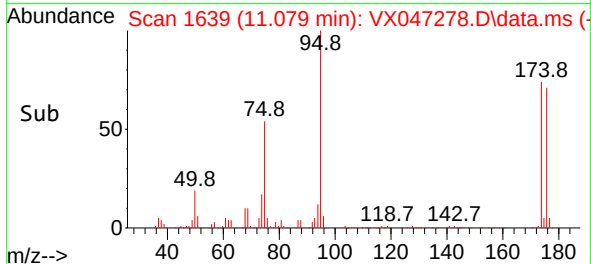
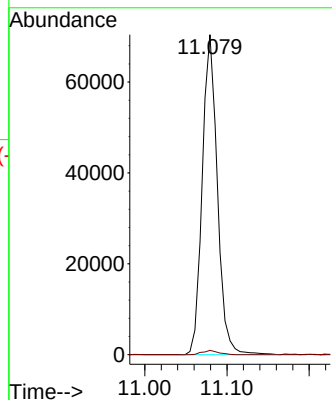
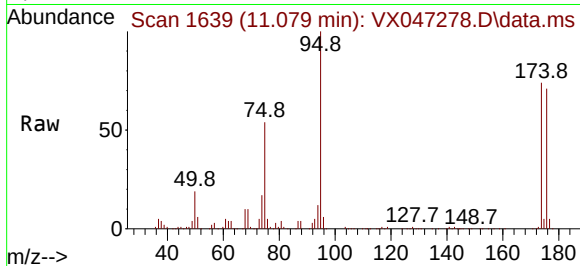




#76
1,2,3-Trichloropropane
Concen: 26.155 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047278.D
Acq: 08 Aug 2025 17:36

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 75 Resp: 89874
Ion Ratio Lower Upper
75 100
77 1.4 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.386 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047278.D
Acq: 08 Aug 2025 17:36

Tgt Ion: 75 Resp: 89874
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#

