

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071825\
 Data File : VX047043.D
 Acq On : 18 Jul 2025 12:53
 Operator : JC/MD
 Sample : Q2581-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jul 19 04:22:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	444252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	798410	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	753659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	369033	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	314556	53.596	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.200%	
35) Dibromofluoromethane	5.397	113	262742	48.480	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.960%	
50) Toluene-d8	8.647	98	958845	50.145	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.280%	
62) 4-Bromofluorobenzene	11.079	95	386518	53.186	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.380%	

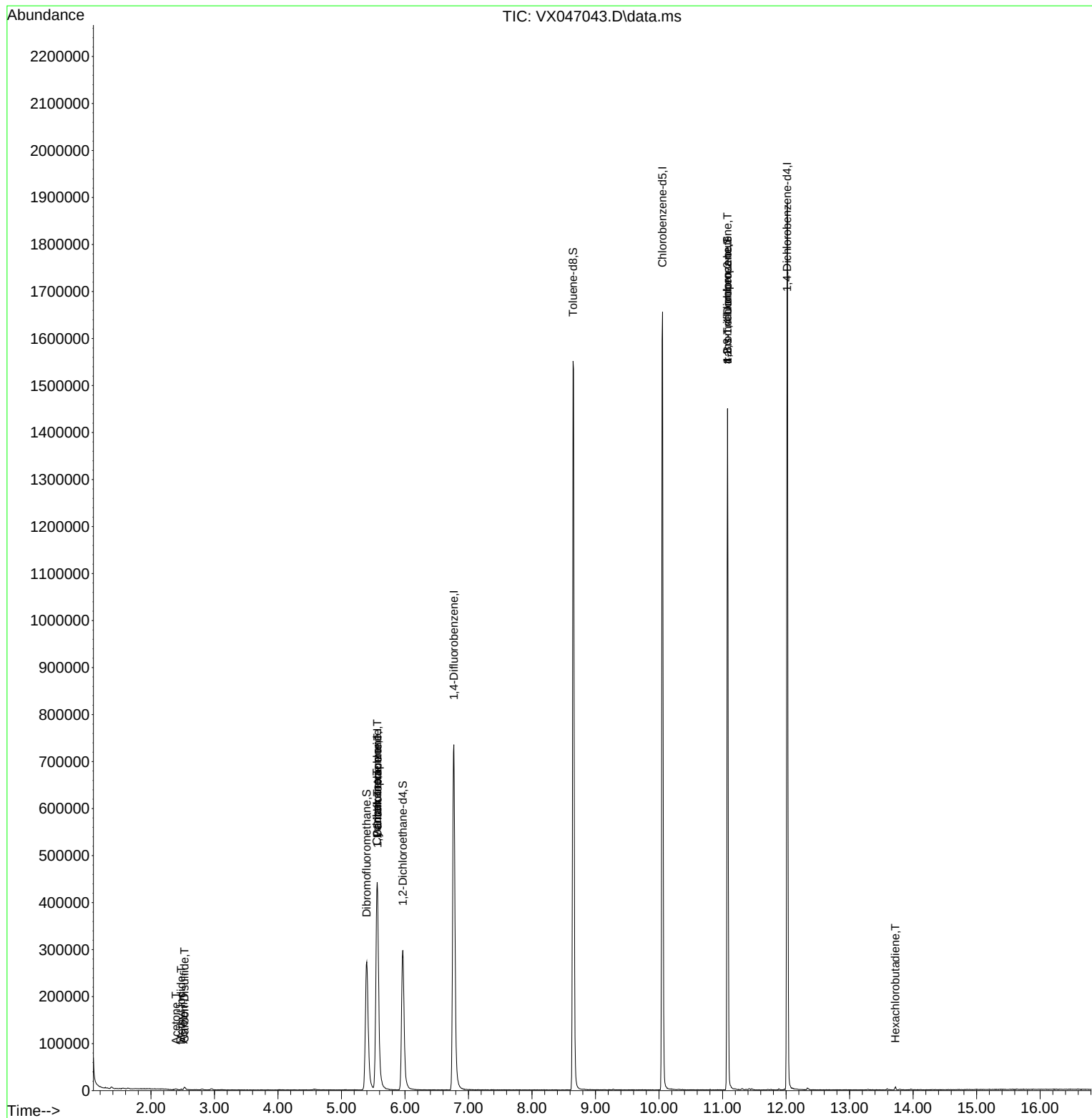
Target Compounds				Qvalue		
10) Methyl Iodide	2.477	142	1673	0.308	ug/l #	82
13) Acrolein	2.514	56	30	2.905	ug/l #	15
16) Acetone	2.392	43	2359	1.294	ug/l #	71
17) Carbon Disulfide	2.526	76	5534	0.438	ug/l	99
31) Cyclohexane	5.556	56	10203	1.216	ug/l #	13
36) 1,1-Dichloropropene	5.568	75	36919	5.049	ug/l #	51
38) Carbon Tetrachloride	5.562	117	46978	6.077	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	201119	35.271	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	201119	94.650	ug/l #	8
94) Hexachlorobutadiene	13.719	225	863	0.288	ug/l	93

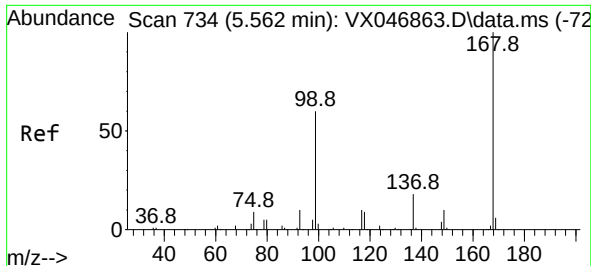
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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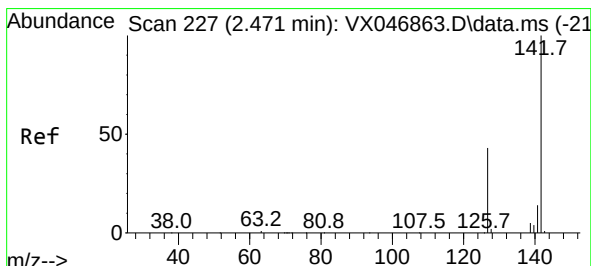
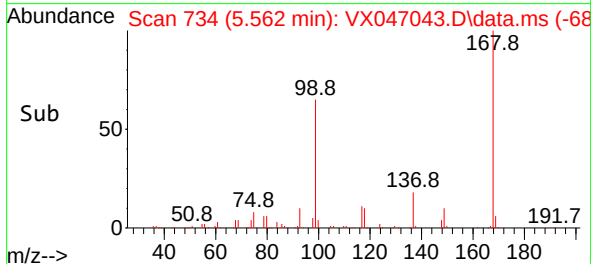
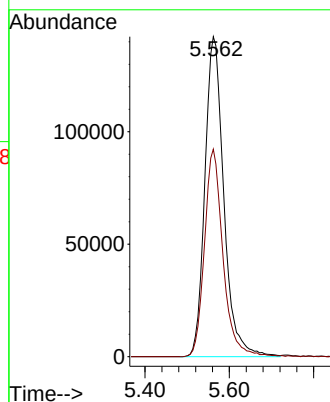
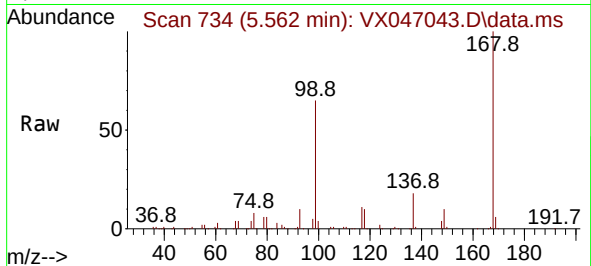




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047043.D
Acq: 18 Jul 2025 12:53

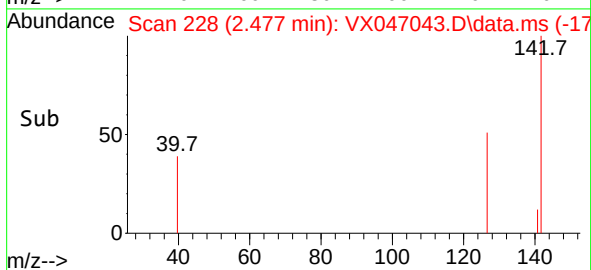
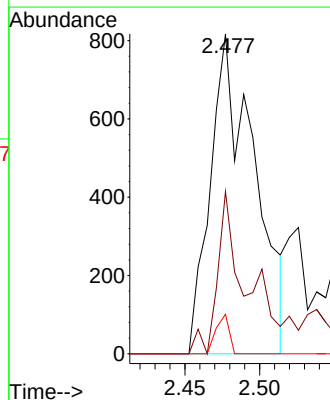
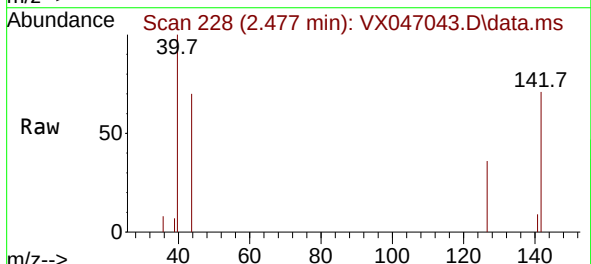
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

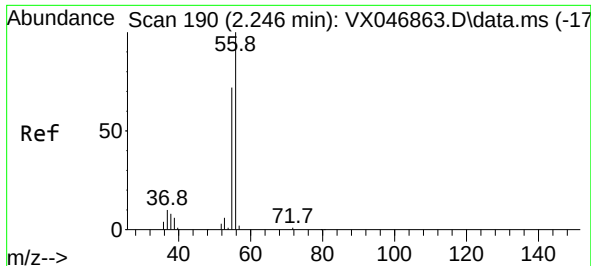
Tgt Ion:168 Resp: 444252
Ion Ratio Lower Upper
168 100
99 64.9 48.8 73.2



#10
Methyl Iodide
Concen: 0.308 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047043.D
Acq: 18 Jul 2025 12:53

Tgt Ion:142 Resp: 1673
Ion Ratio Lower Upper
142 100
127 33.7 34.9 52.3#
141 3.6 11.1 16.7#





#13

Acrolein

Concen: 2.905 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.268 min

Lab File: VX047043.D

Acq: 18 Jul 2025 12:53

Instrument :

MSVOA_X

ClientSampleId :

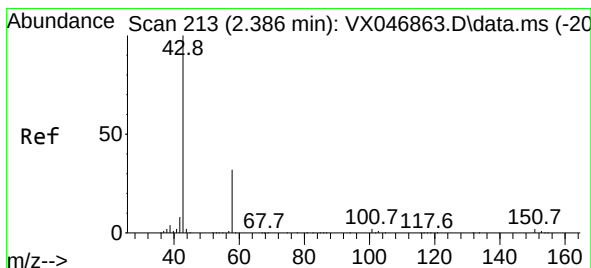
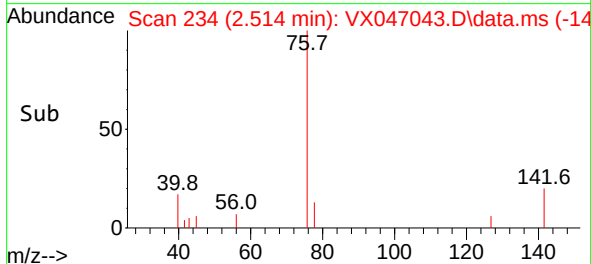
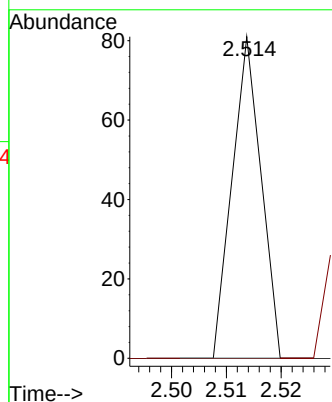
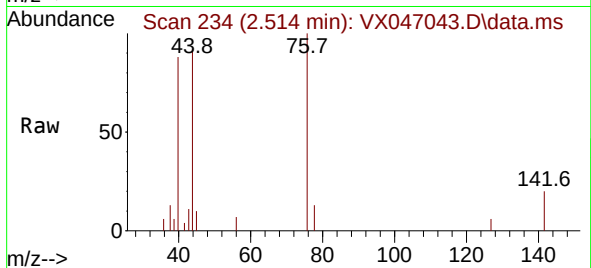
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 56 Resp: 30

Ion Ratio Lower Upper

56 100

55 0.0 55.5 83.3#



#16

Acetone

Concen: 1.294 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX047043.D

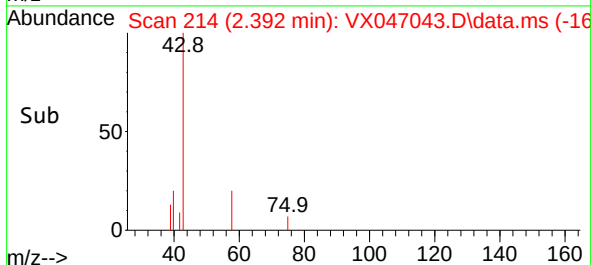
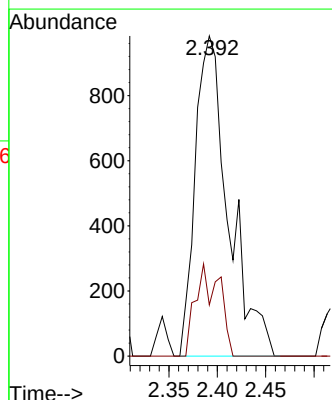
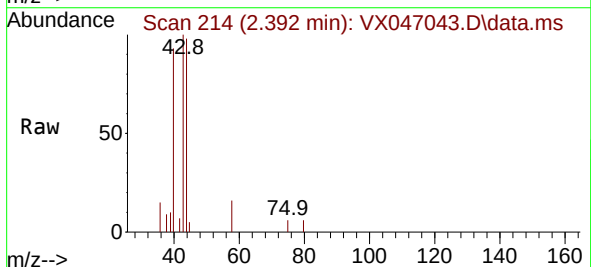
Acq: 18 Jul 2025 12:53

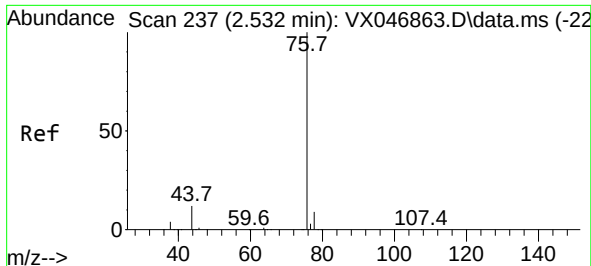
Tgt Ion: 43 Resp: 2359

Ion Ratio Lower Upper

43 100

58 16.0 25.8 38.6#





#17

Carbon Disulfide

Concen: 0.438 ug/l

RT: 2.526 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX047043.D

Acq: 18 Jul 2025 12:53

Instrument :

MSVOA_X

ClientSampleId :

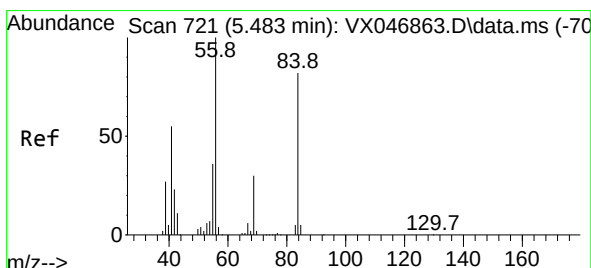
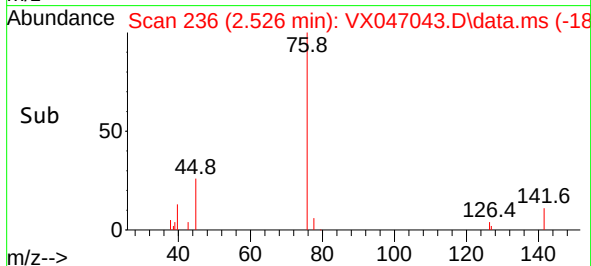
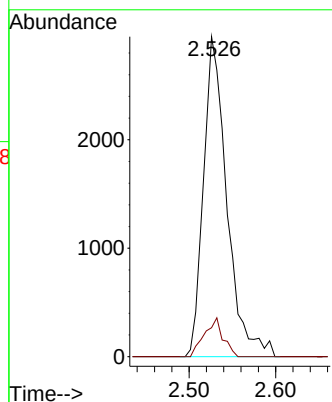
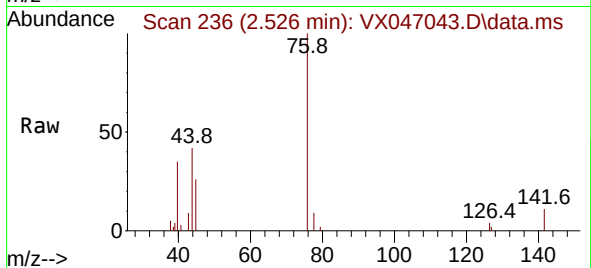
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 76 Resp: 5534

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



#31

Cyclohexane

Concen: 1.216 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.073 min

Lab File: VX047043.D

Acq: 18 Jul 2025 12:53

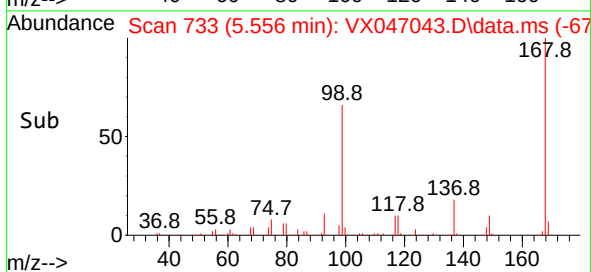
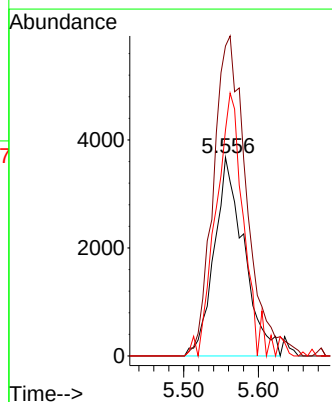
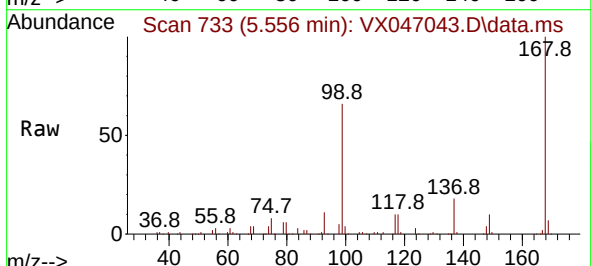
Tgt Ion: 56 Resp: 10203

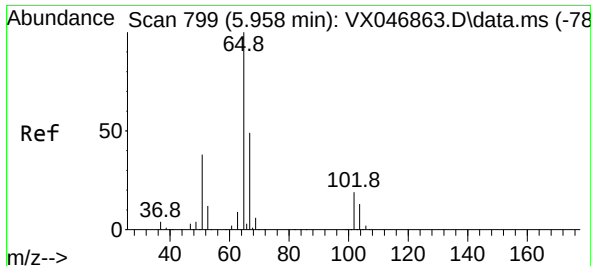
Ion Ratio Lower Upper

56 100

69 156.1 24.0 36.0#

84 113.8 66.5 99.7#





#33

1,2-Dichloroethane-d4

Concen: 53.596 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX047043.D

Acq: 18 Jul 2025 12:53

Instrument :

MSVOA_X

ClientSampleId :

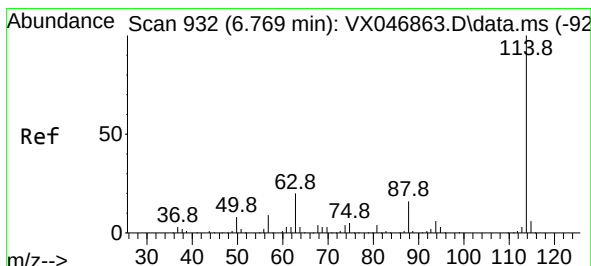
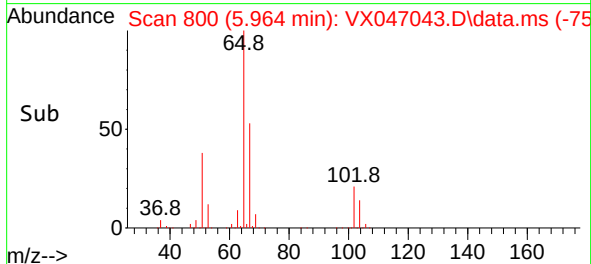
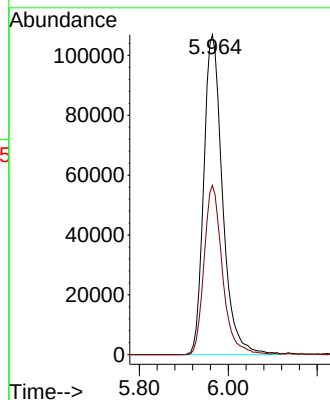
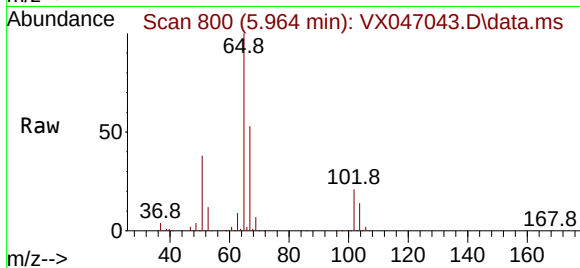
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 314556

Ion Ratio Lower Upper

65 100

67 51.8 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX047043.D

Acq: 18 Jul 2025 12:53

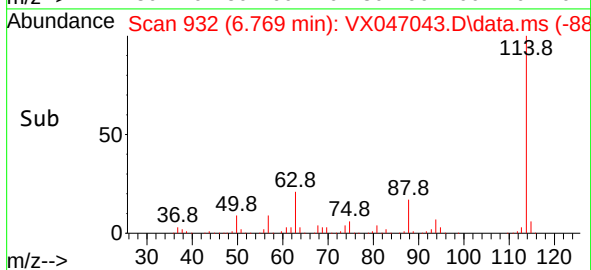
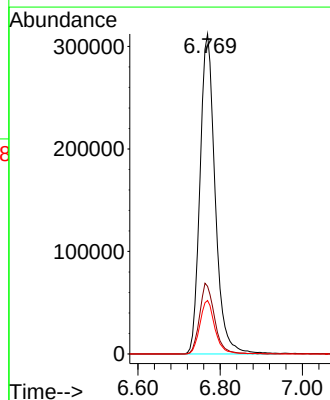
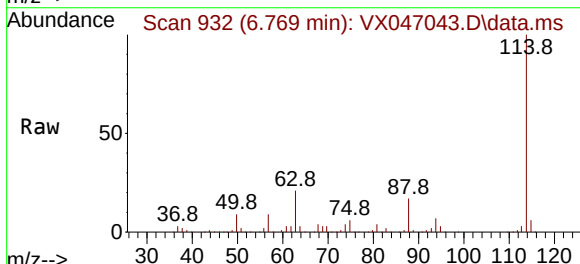
Tgt Ion: 114 Resp: 798410

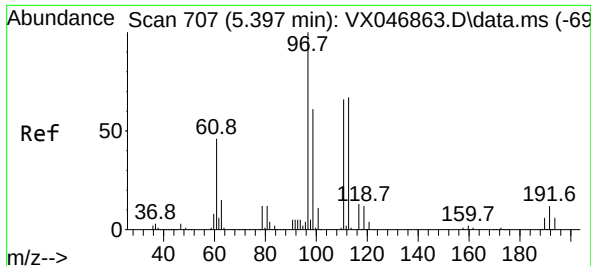
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.4

88 16.7 0.0 31.0

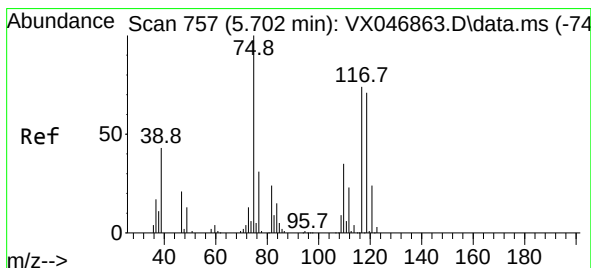
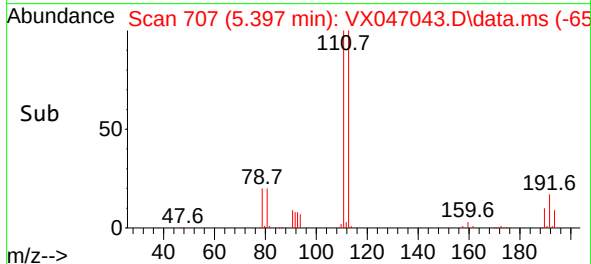
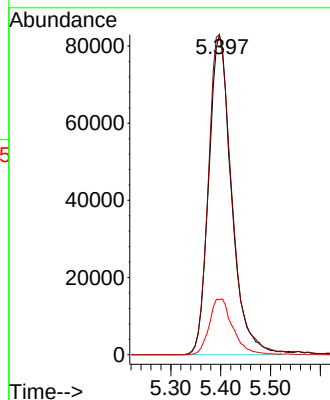
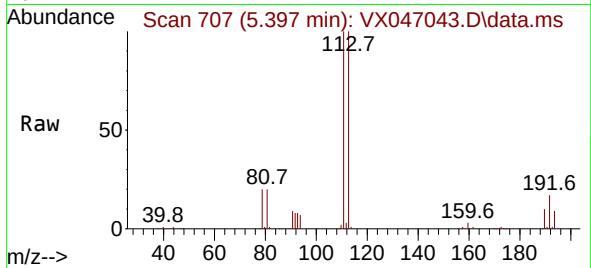




#35
Dibromofluoromethane
Concen: 48.480 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX047043.D
Acq: 18 Jul 2025 12:53

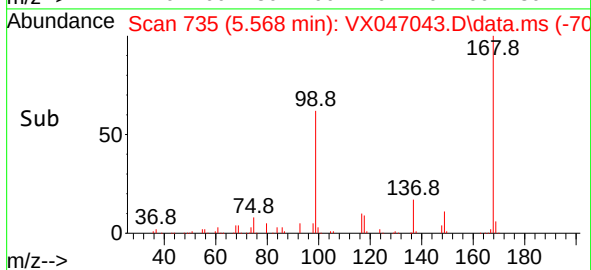
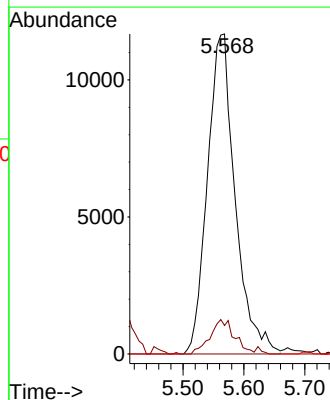
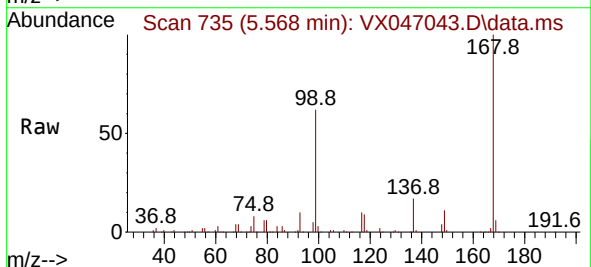
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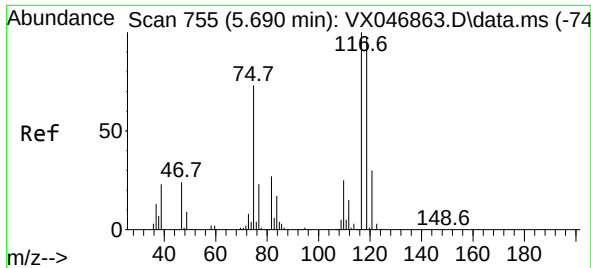
Tgt Ion:113 Resp: 262742
Ion Ratio Lower Upper
113 100
111 102.6 81.2 121.8
192 18.0 15.3 22.9



#36
1,1-Dichloropropene
Concen: 5.049 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX047043.D
Acq: 18 Jul 2025 12:53

Tgt Ion: 75 Resp: 36919
Ion Ratio Lower Upper
75 100
110 9.5 17.3 51.9#
77 0.0 24.2 36.4#

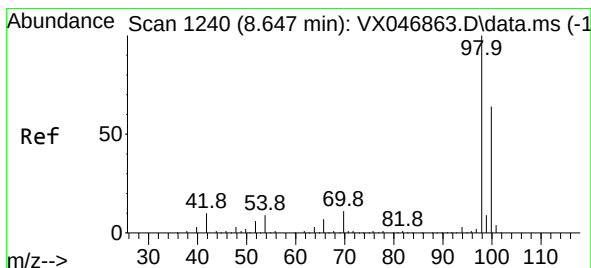
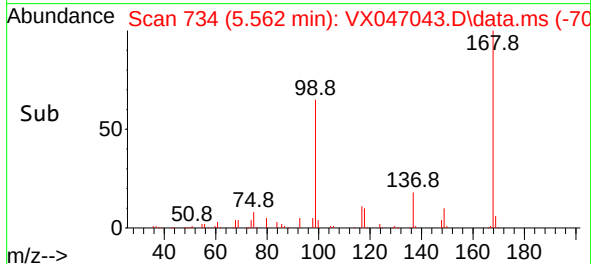
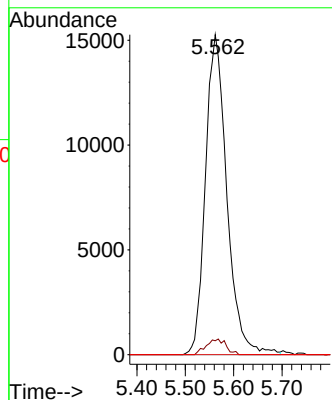
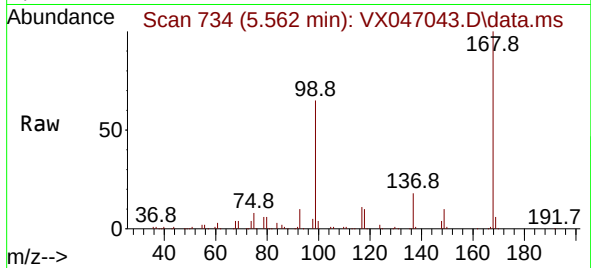




#38
Carbon Tetrachloride
Concen: 6.077 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047043.D
Acq: 18 Jul 2025 12:53

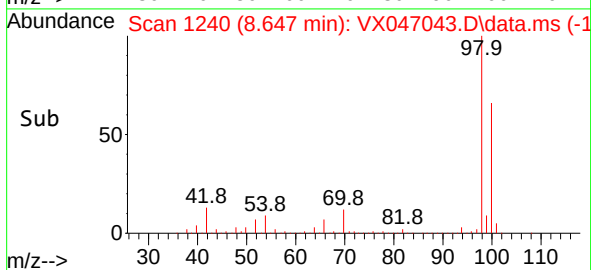
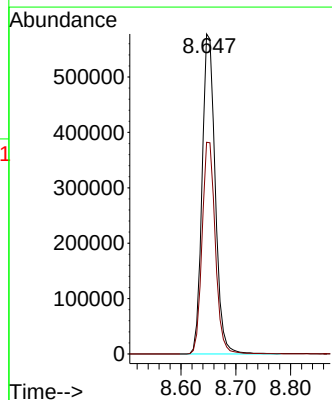
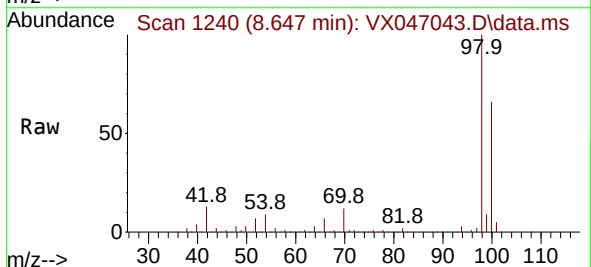
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STORAGE-BLANK-SOIL-REF-6

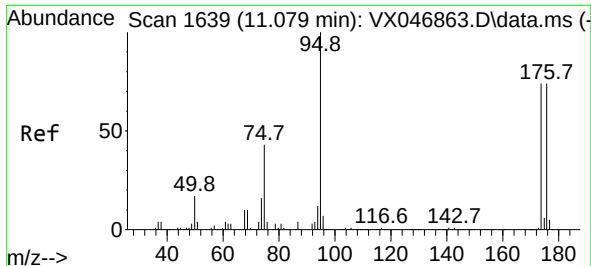
Tgt Ion:117 Resp: 46978
Ion Ratio Lower Upper
117 100
119 4.4 76.6 114.8#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 50.145 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX047043.D
Acq: 18 Jul 2025 12:53

Tgt Ion: 98 Resp: 958845
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.6

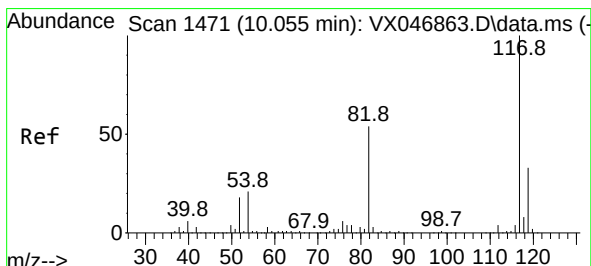
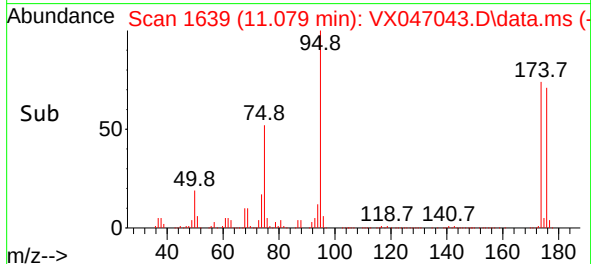
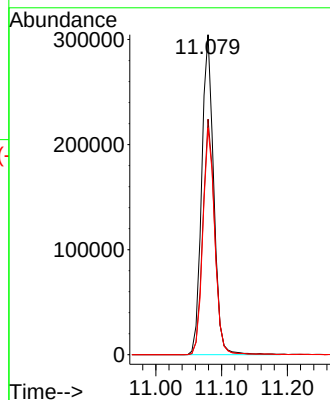
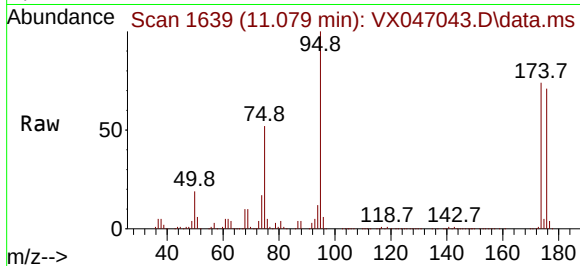




#62
4-Bromofluorobenzene
Concen: 53.186 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX047043.D
Acq: 18 Jul 2025 12:53

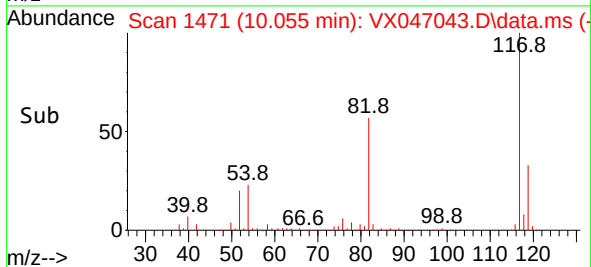
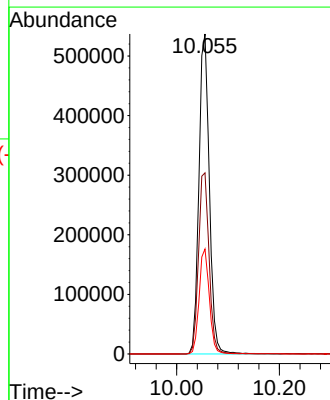
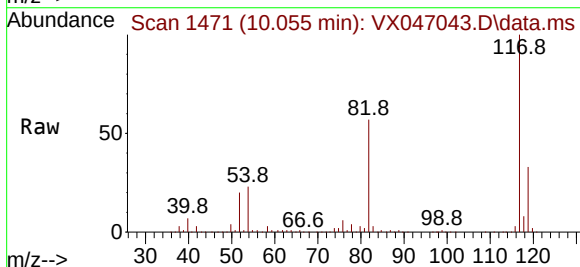
Instrument :
MSVOA_X
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STORAGE-BLANK-SOIL-REF-6

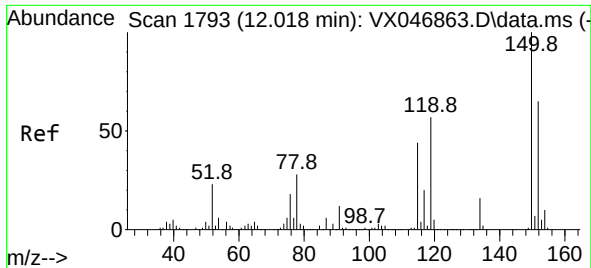
Tgt Ion: 95 Resp: 386518
Ion Ratio Lower Upper
95 100
174 72.8 0.0 152.0
176 70.0 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX047043.D
Acq: 18 Jul 2025 12:53

Tgt Ion: 117 Resp: 753659
Ion Ratio Lower Upper
117 100
82 56.6 43.3 64.9
119 32.8 26.4 39.6

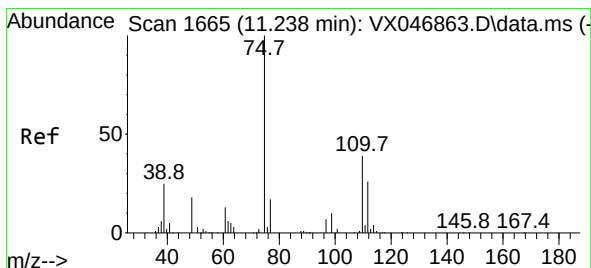
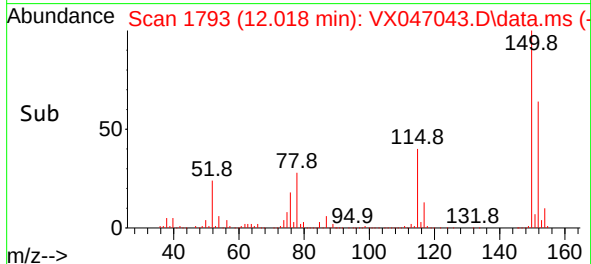
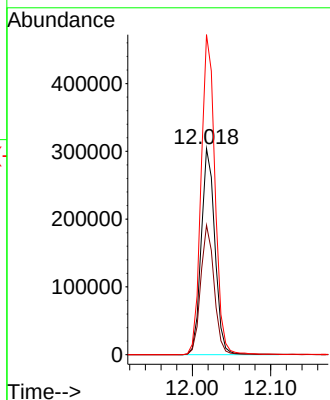
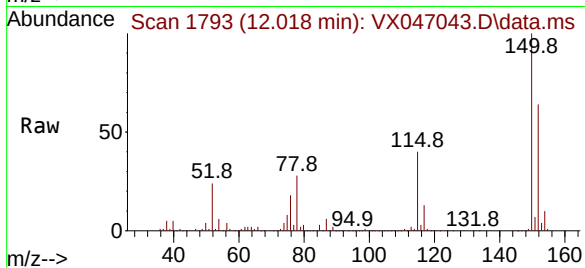




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047043.D
 Acq: 18 Jul 2025 12:53

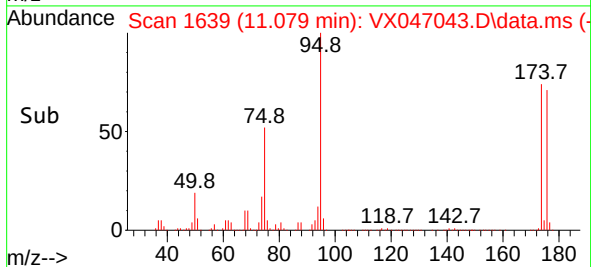
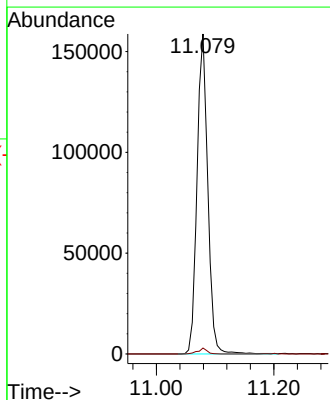
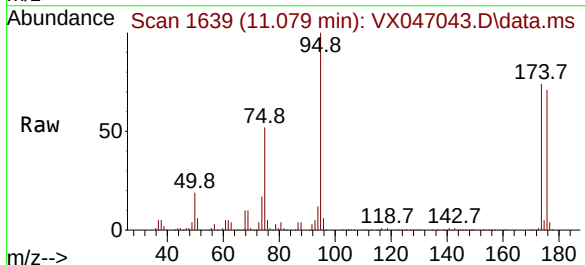
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

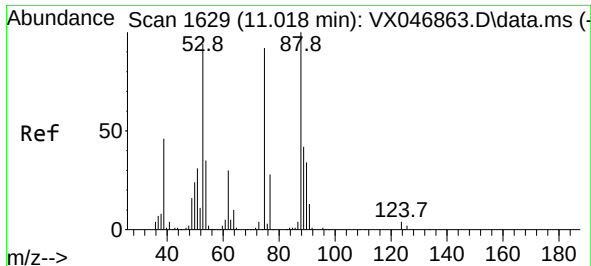
Tgt Ion:152 Resp: 369033
 Ion Ratio Lower Upper
 152 100
 115 61.9 42.4 127.1
 150 157.5 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 35.271 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX047043.D
 Acq: 18 Jul 2025 12:53

Tgt Ion: 75 Resp: 201119
 Ion Ratio Lower Upper
 75 100
 77 1.6 20.6 61.8#

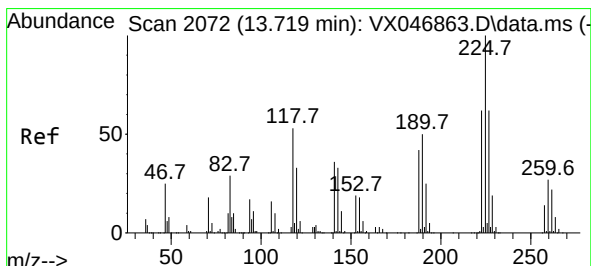
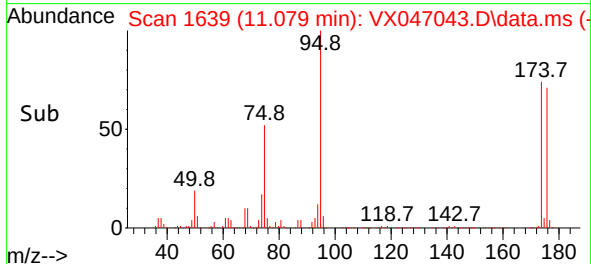
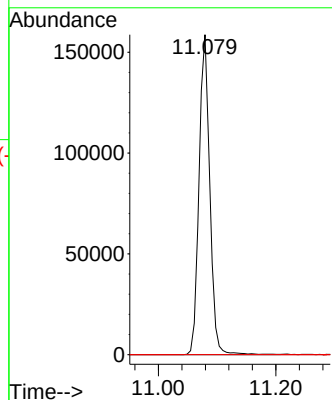
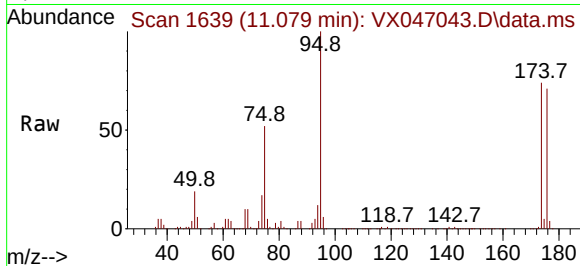




#81
trans-1,4-Dichloro-2-butene
Concen: 94.650 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047043.D
Acq: 18 Jul 2025 12:53

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

Tgt Ion: 75 Resp: 201119
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#



#94
Hexachlorobutadiene
Concen: 0.288 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.000 min
Lab File: VX047043.D
Acq: 18 Jul 2025 12:53

Tgt Ion: 225 Resp: 863
Ion Ratio Lower Upper
225 100
223 59.7 31.6 94.7
227 71.3 31.6 94.7

