

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111425\
 Data File : VX048608.D
 Acq On : 14 Nov 2025 14:39
 Operator : JC/MD
 Sample : Q3643-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Nov 14 22:21:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

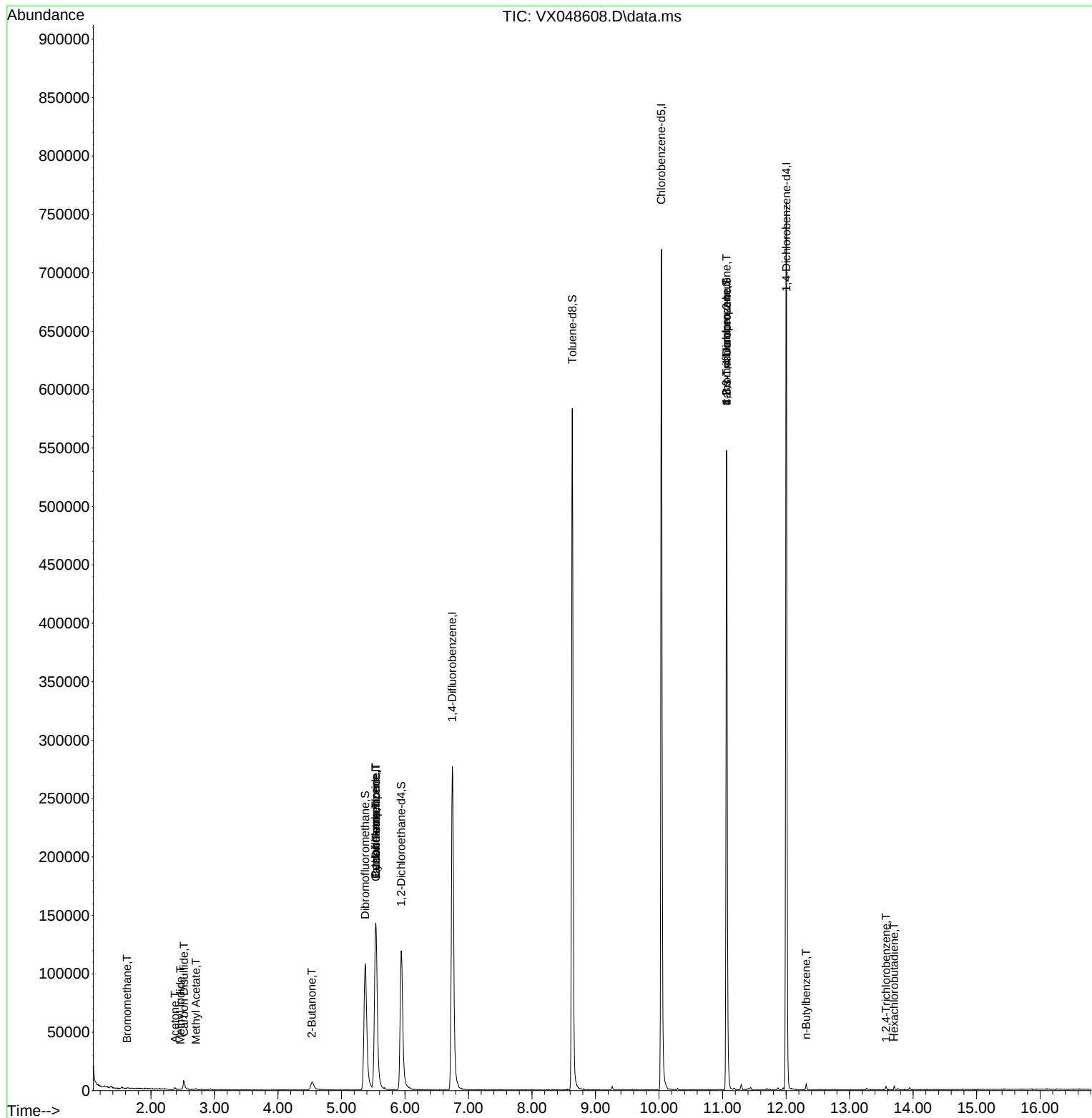
Internal Standards						
1) Pentafluorobenzene	5.537	168	147837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	309375	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	330510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	165944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	131005	63.595	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 127.180%#		
35) Dibromofluoromethane	5.373	113	105084	44.878	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 89.760%		
50) Toluene-d8	8.634	98	365224	50.011	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 100.020%		
62) 4-Bromofluorobenzene	11.061	95	157065	57.712	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 115.420%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	267	0.235	ug/l	91
10) Methyl Iodide	2.465	142	876	0.359	ug/l #	86
16) Acetone	2.380	43	2353	2.413	ug/l	93
17) Carbon Disulfide	2.520	76	1147	0.237	ug/l #	86
18) Methyl Acetate	2.709	43	1402	0.523	ug/l #	78
25) 2-Butanone	4.532	43	295	0.205	ug/l #	48
31) Cyclohexane	5.537	56	3454	1.249	ug/l #	4
36) 1,1-Dichloropropene	5.537	75	12438	3.967	ug/l #	49
38) Carbon Tetrachloride	5.544	117	15930	4.463	ug/l #	16
76) 1,2,3-Trichloropropane	11.061	75	81782	20.457	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	81782	58.512	ug/l #	12
89) n-Butylbenzene	12.317	91	2057	0.208	ug/l	91
93) 1,2,4-Trichlorobenzene	13.573	180	925	0.249	ug/l	94
94) Hexachlorobutadiene	13.701	225	643	0.414	ug/l	90

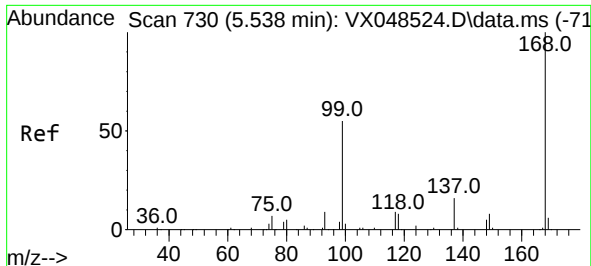
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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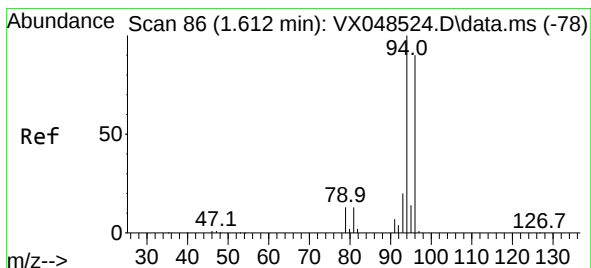
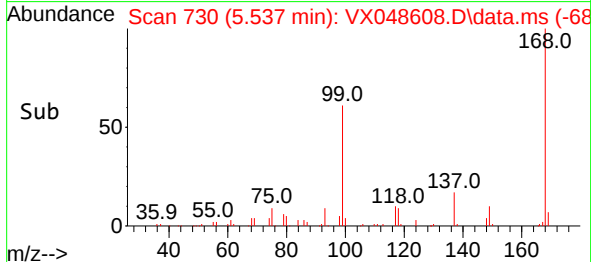
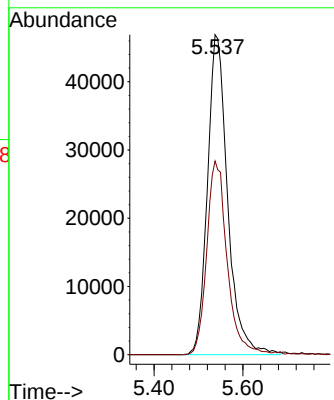
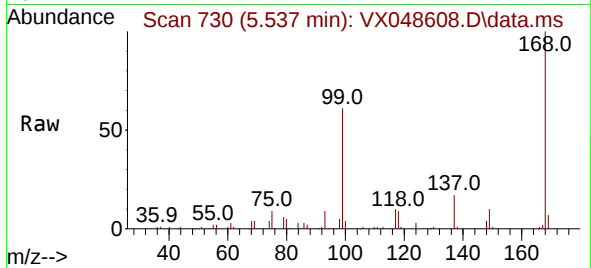




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048608.D
Acq: 14 Nov 2025 14:39

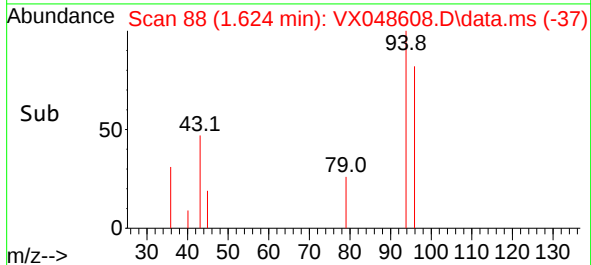
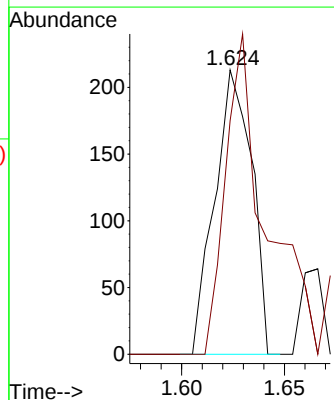
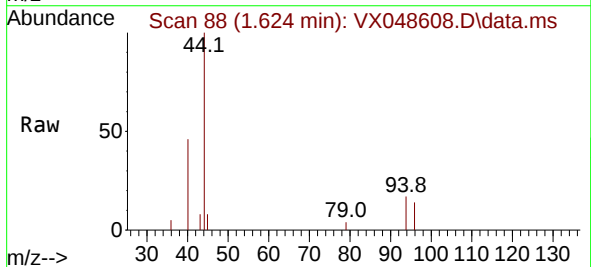
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

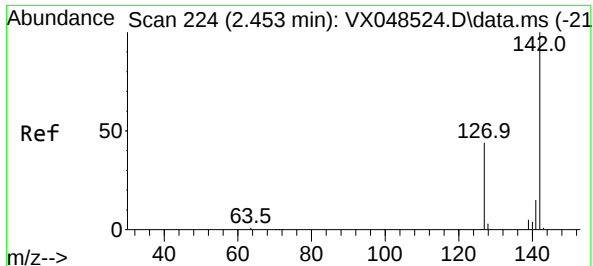
Tgt Ion:168 Resp: 147837
Ion Ratio Lower Upper
168 100
99 60.5 45.2 67.8



#5
Bromomethane
Concen: 0.235 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.012 min
Lab File: VX048608.D
Acq: 14 Nov 2025 14:39

Tgt Ion: 94 Resp: 267
Ion Ratio Lower Upper
94 100
96 82.2 72.3 108.5

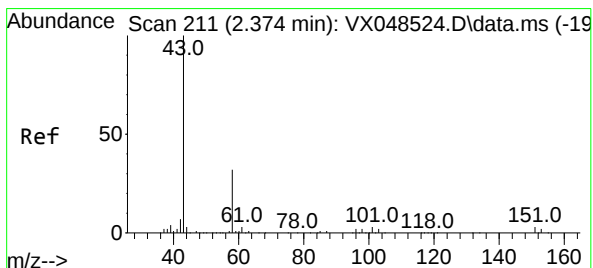
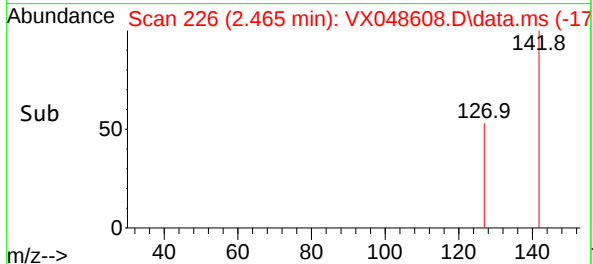
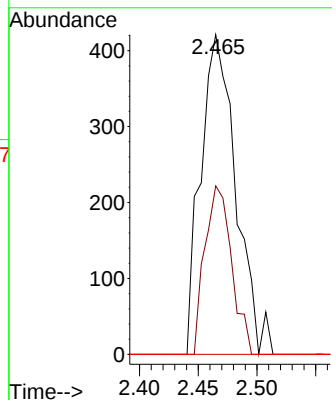
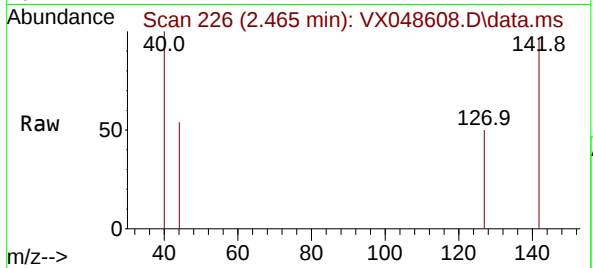




#10
Methyl Iodide
Concen: 0.359 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX048608.D
Acq: 14 Nov 2025 14:39

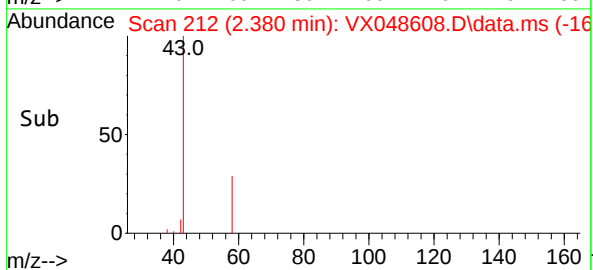
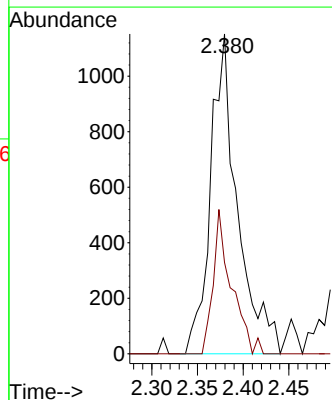
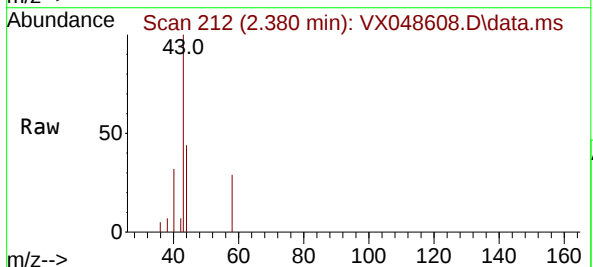
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

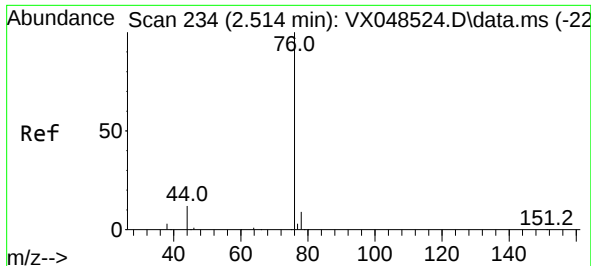
Tgt Ion:142 Resp: 876
Ion Ratio Lower Upper
142 100
127 40.1 35.8 53.6
141 0.0 11.4 17.0#



#16
Acetone
Concen: 2.413 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048608.D
Acq: 14 Nov 2025 14:39

Tgt Ion: 43 Resp: 2353
Ion Ratio Lower Upper
43 100
58 28.6 25.8 38.6





#17

Carbon Disulfide

Concen: 0.237 ug/l

RT: 2.520 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX048608.D

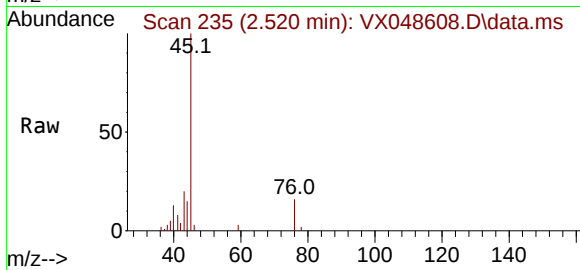
Acq: 14 Nov 2025 14:39

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

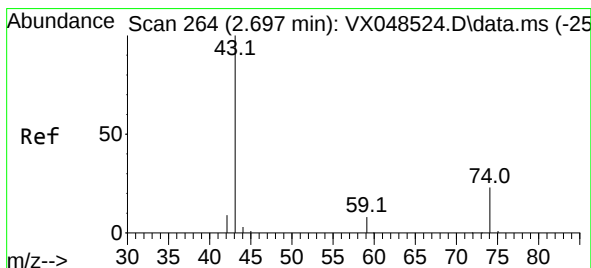
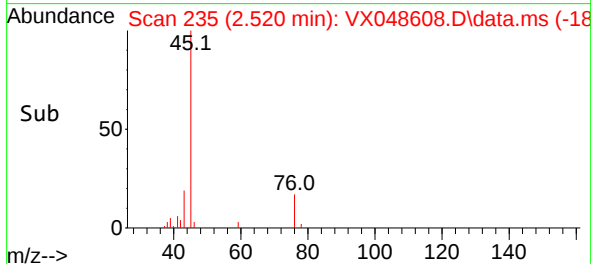
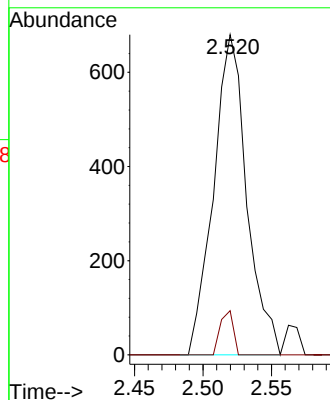


Tgt Ion: 76 Resp: 1147

Ion Ratio Lower Upper

76 100

78 13.8 7.1 10.7#



#18

Methyl Acetate

Concen: 0.523 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.012 min

Lab File: VX048608.D

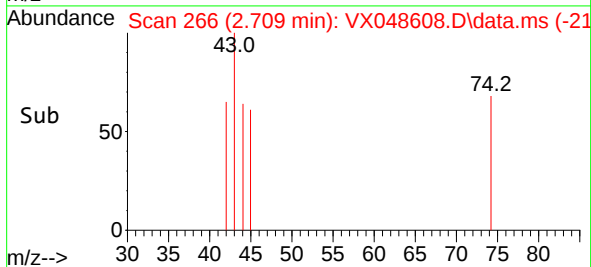
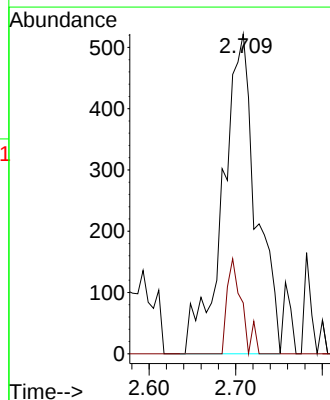
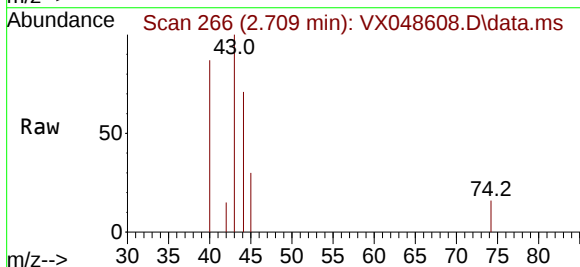
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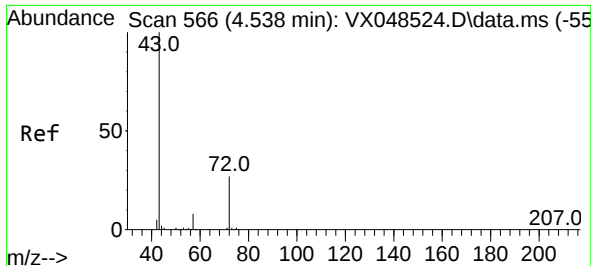
Tgt Ion: 43 Resp: 1402

Ion Ratio Lower Upper

43 100

74 13.1 19.1 28.7#

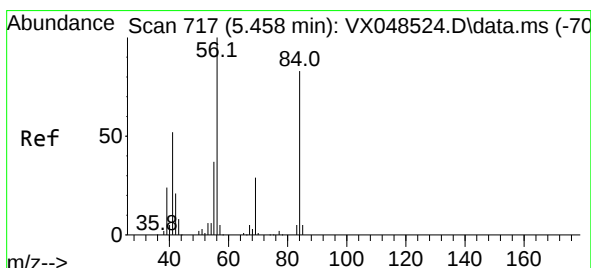
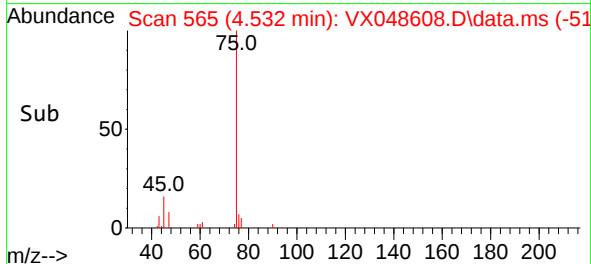
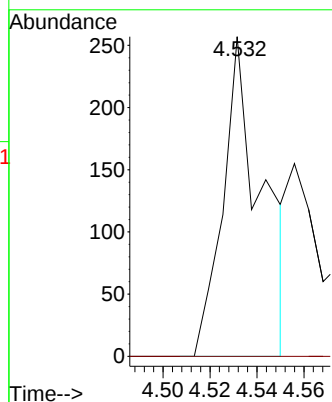
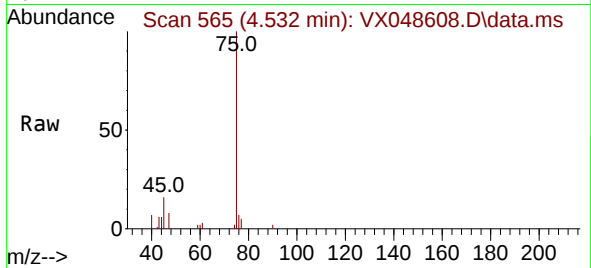




#25
2-Butanone
Concen: 0.205 ug/l
RT: 4.532 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX048608.D
Acq: 14 Nov 2025 14:39

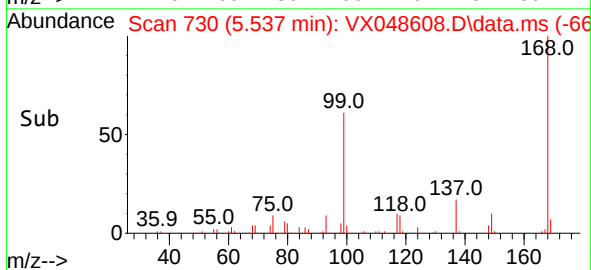
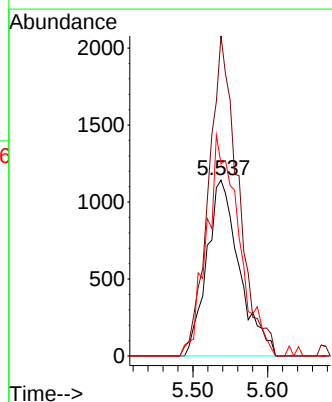
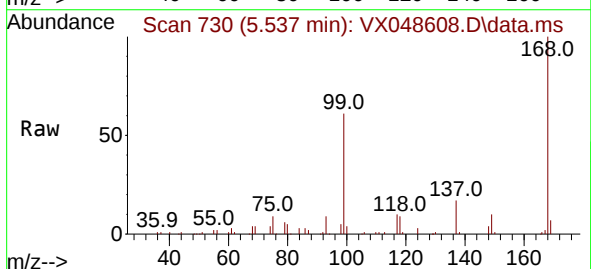
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

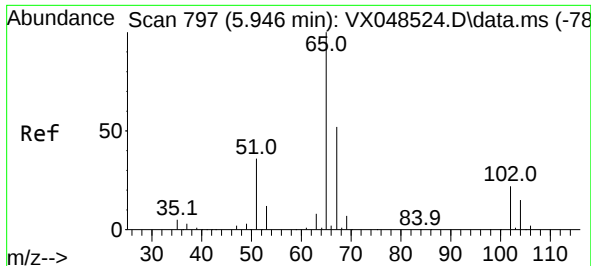
Tgt Ion: 43 Resp: 295
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#



#31
Cyclohexane
Concen: 1.249 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX048608.D
Acq: 14 Nov 2025 14:39

Tgt Ion: 56 Resp: 3454
Ion Ratio Lower Upper
56 100
69 181.9 23.4 35.2#
84 109.4 66.3 99.5#





#33

1,2-Dichloroethane-d4

Concen: 63.595 ug/l

RT: 5.940 min Scan# 797

Delta R.T. -0.006 min

Lab File: VX048608.D

Acq: 14 Nov 2025 14:39

Instrument :

MSVOA_X

ClientSampleId :

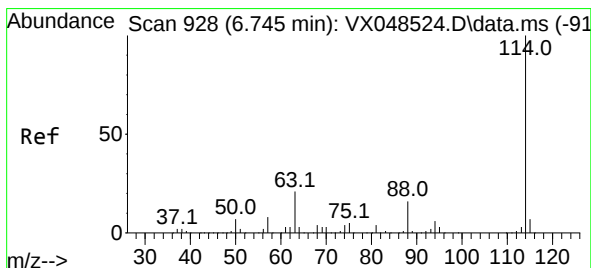
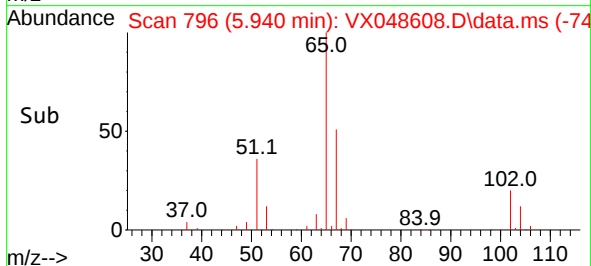
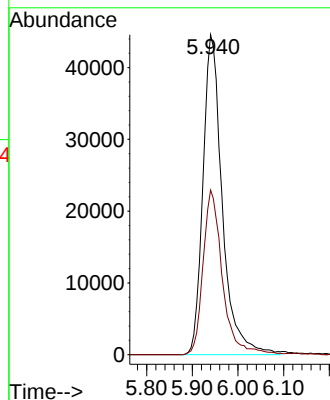
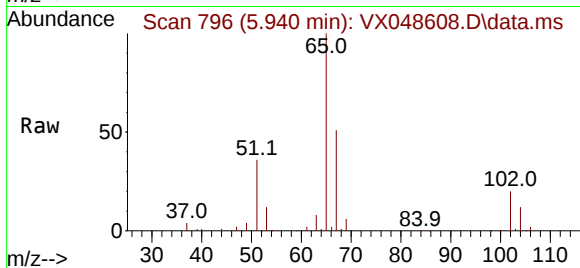
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 131005

Ion Ratio Lower Upper

65 100

67 51.5 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048608.D

Acq: 14 Nov 2025 14:39

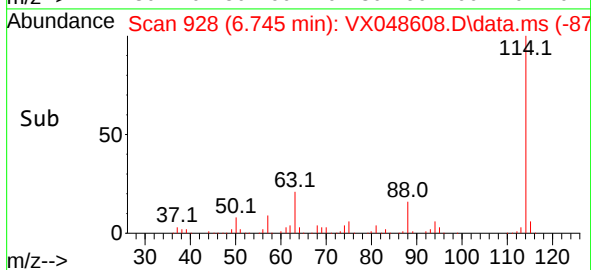
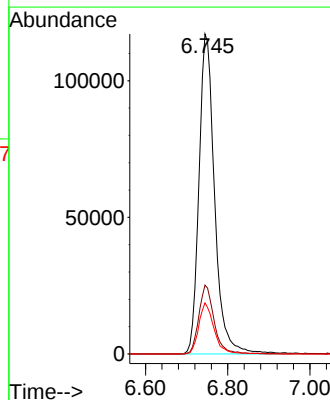
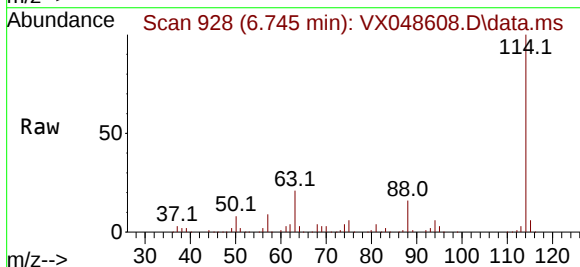
Tgt Ion: 114 Resp: 309375

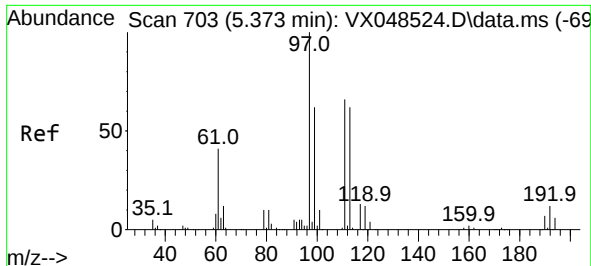
Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.2

88 15.9 0.0 32.2

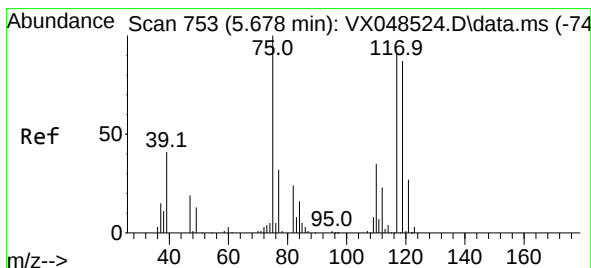
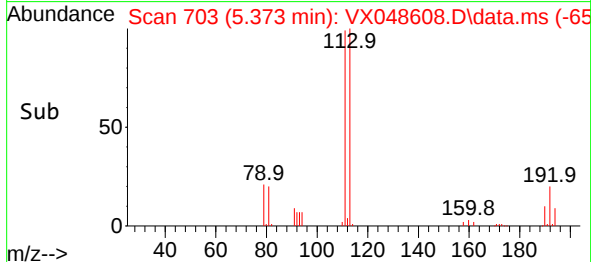
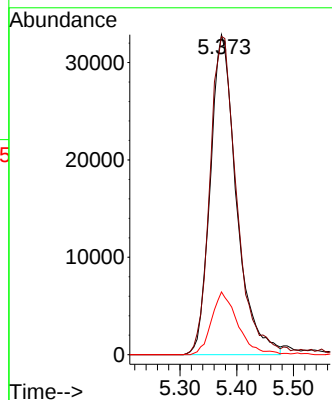
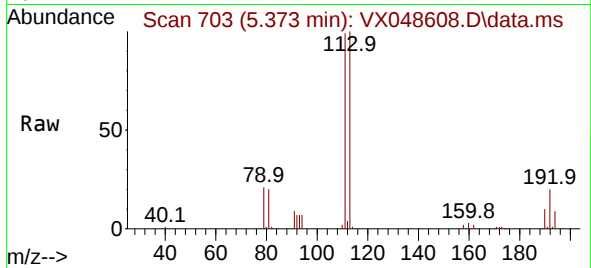




#35
Dibromofluoromethane
Concen: 44.878 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048608.D
Acq: 14 Nov 2025 14:39

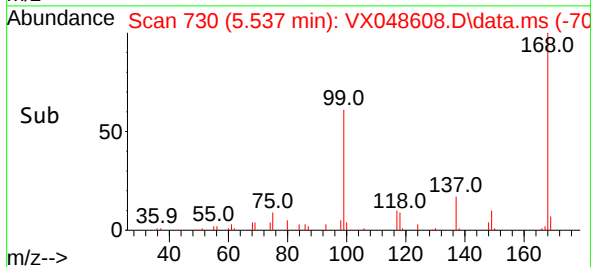
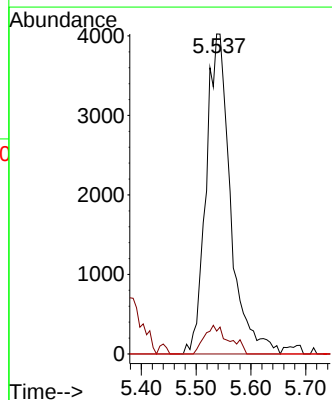
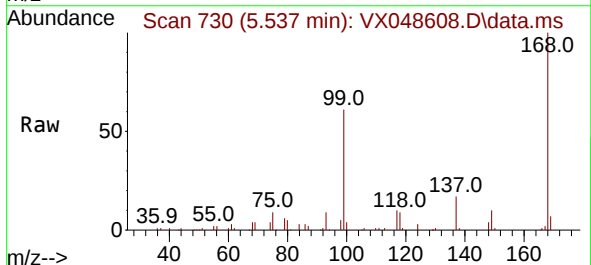
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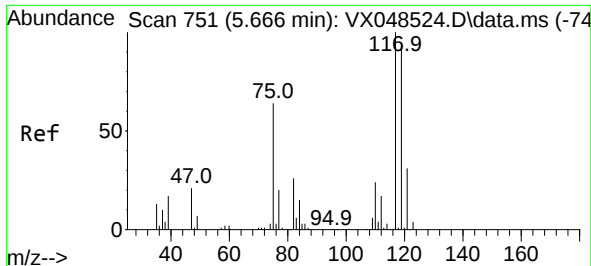
Tgt Ion:113 Resp: 105084
Ion Ratio Lower Upper
113 100
111 102.7 81.9 122.9
192 19.7 15.8 23.6



#36
1,1-Dichloropropene
Concen: 3.967 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.140 min
Lab File: VX048608.D
Acq: 14 Nov 2025 14:39

Tgt Ion: 75 Resp: 12438
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.4#
77 0.0 24.6 37.0#

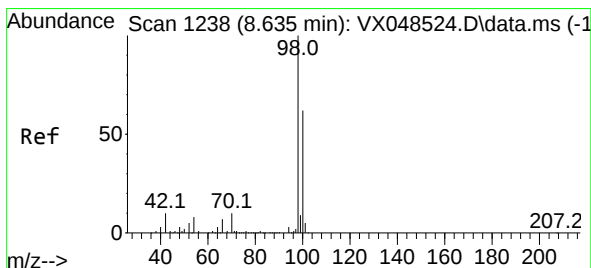
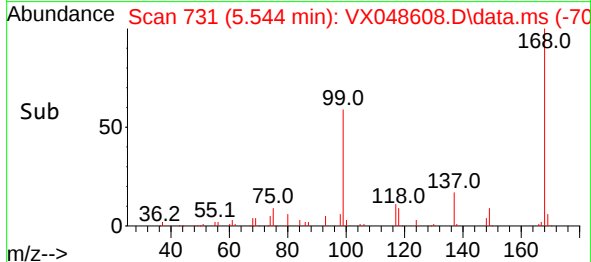
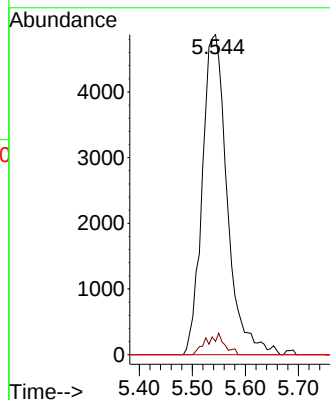
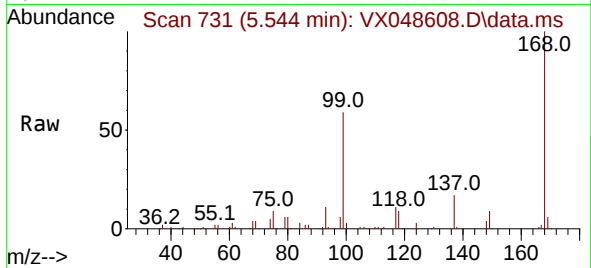




#38
Carbon Tetrachloride
Concen: 4.463 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX048608.D
Acq: 14 Nov 2025 14:39

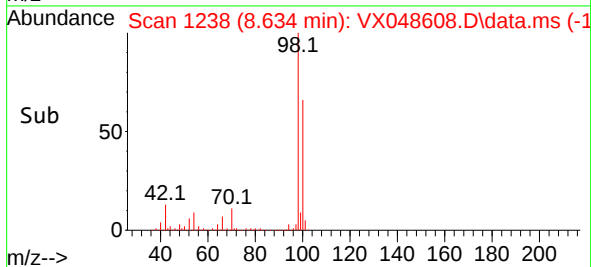
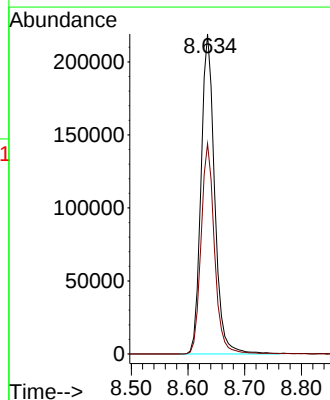
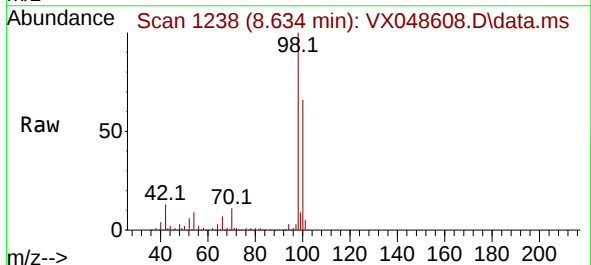
Instrument :
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STORAGE-BLANK-SOIL-REF-6

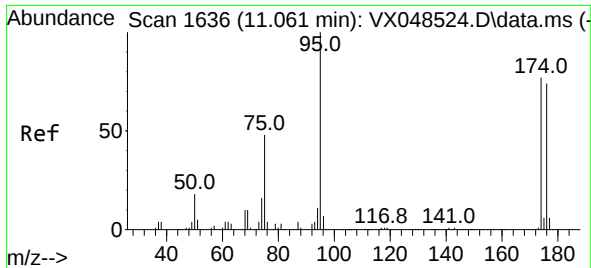
Tgt Ion:117 Resp: 15930
Ion Ratio Lower Upper
117 100
119 4.2 74.5 111.7#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.011 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048608.D
Acq: 14 Nov 2025 14:39

Tgt Ion: 98 Resp: 365224
Ion Ratio Lower Upper
98 100
100 64.9 53.6 80.4

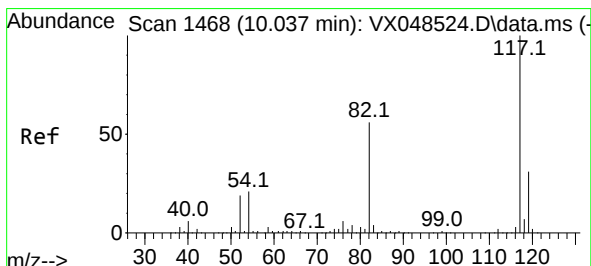
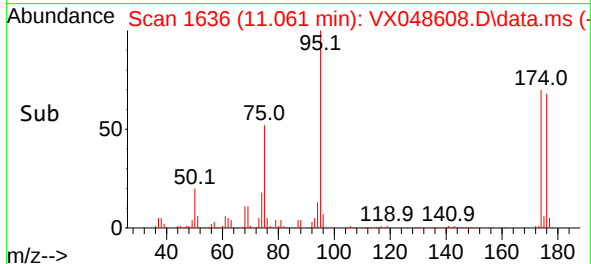
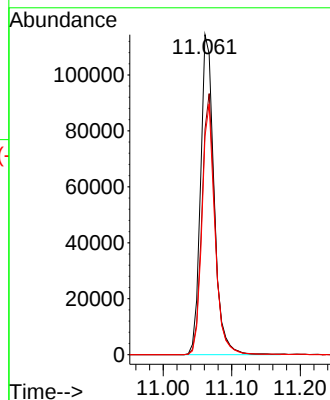
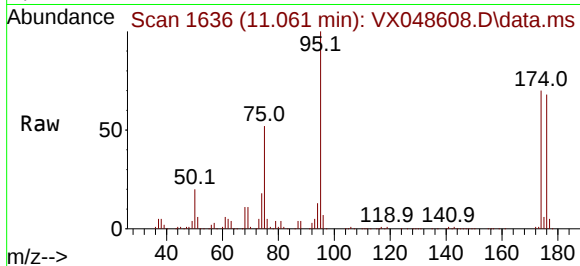




#62
4-Bromofluorobenzene
Concen: 57.712 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048608.D
Acq: 14 Nov 2025 14:39

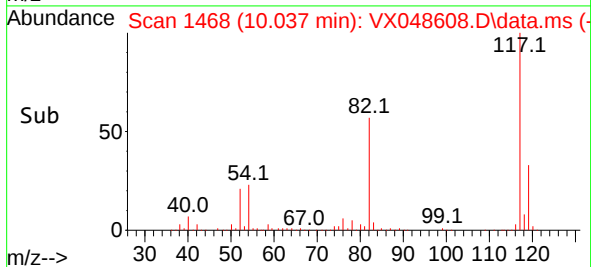
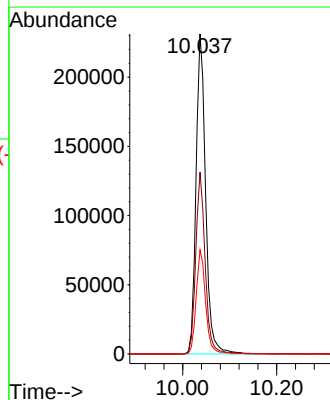
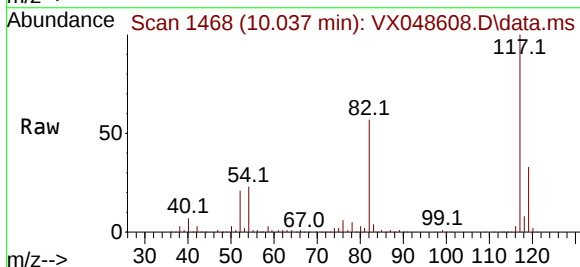
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

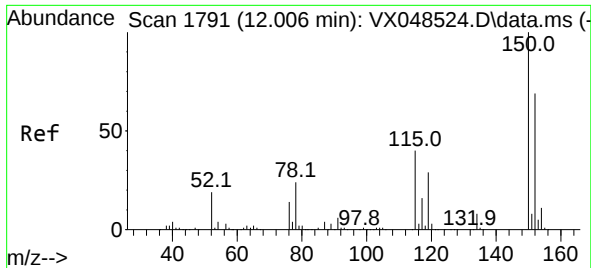
Tgt Ion: 95 Resp: 157065
Ion Ratio Lower Upper
95 100
174 79.7 0.0 161.8
176 75.4 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048608.D
Acq: 14 Nov 2025 14:39

Tgt Ion: 117 Resp: 330510
Ion Ratio Lower Upper
117 100
82 56.8 44.4 66.6
119 32.5 25.1 37.7

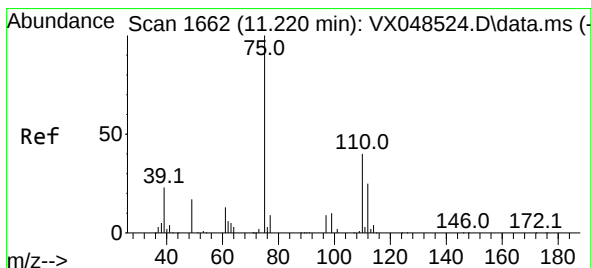
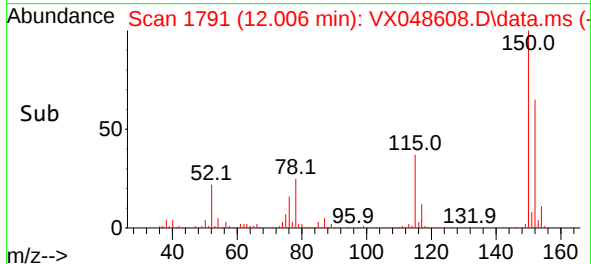
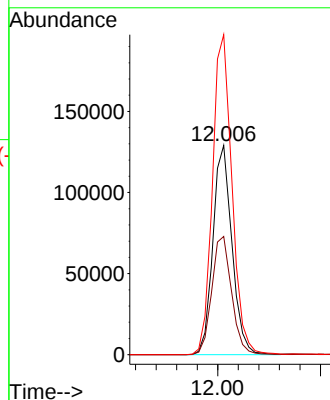
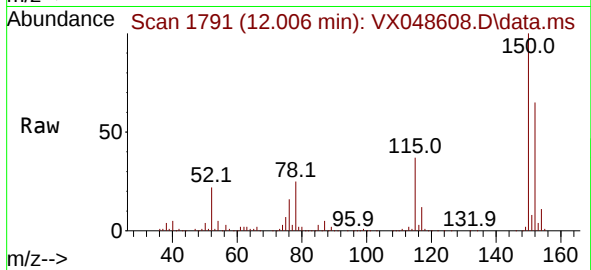




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048608.D
Acq: 14 Nov 2025 14:39

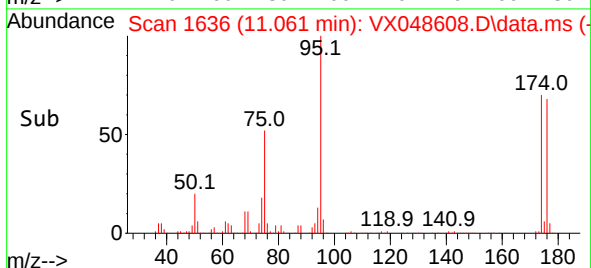
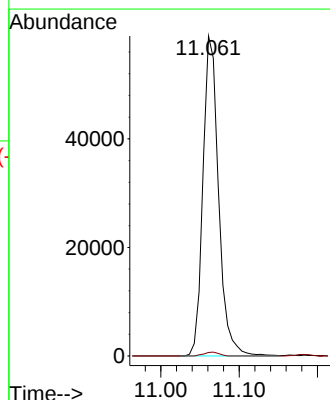
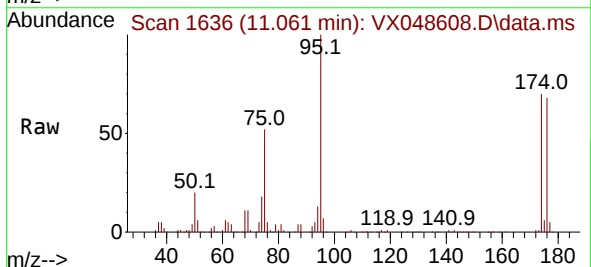
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

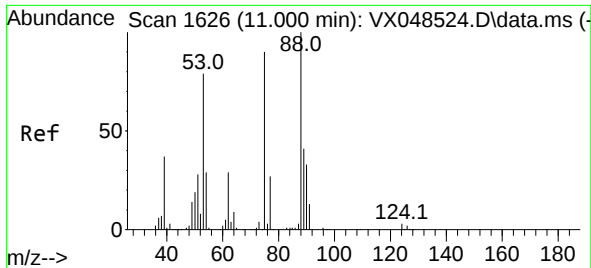
Tgt Ion:152 Resp: 165944
Ion Ratio Lower Upper
152 100
115 58.8 39.2 117.6
150 156.3 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 20.457 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048608.D
Acq: 14 Nov 2025 14:39

Tgt Ion: 75 Resp: 81782
Ion Ratio Lower Upper
75 100
77 1.2 24.3 72.8#

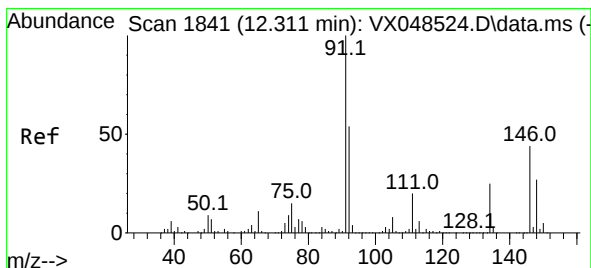
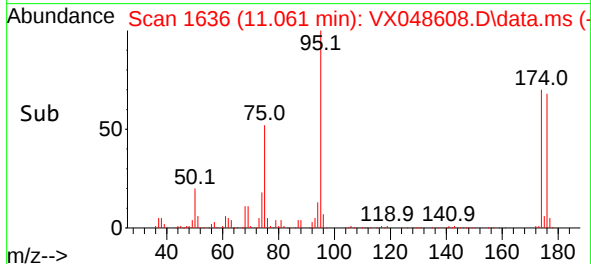
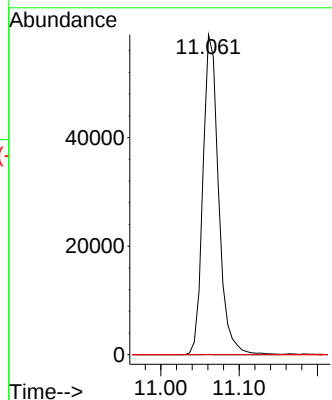
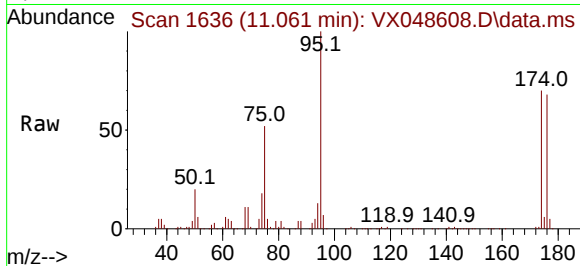




#81
trans-1,4-Dichloro-2-butene
Concen: 58.512 ug/l
RT: 11.061 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX048608.D
Acq: 14 Nov 2025 14:39

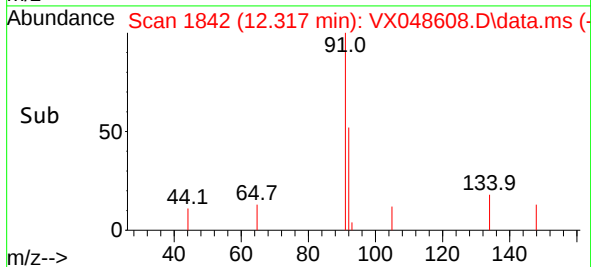
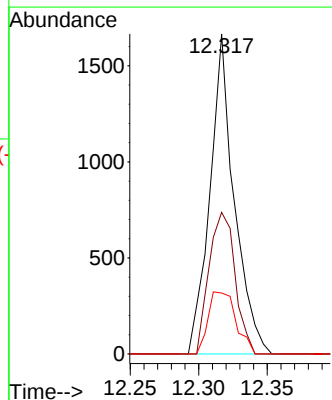
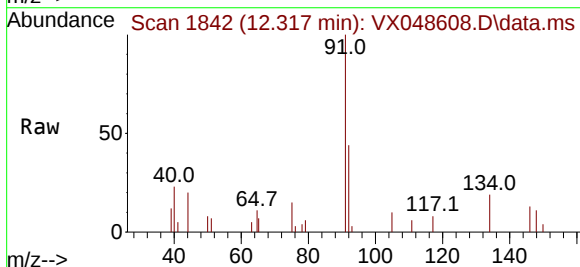
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

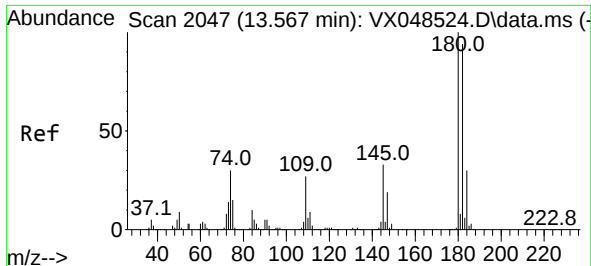
Tgt Ion: 75 Resp: 81782
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 43.6 65.4#



#89
n-Butylbenzene
Concen: 0.208 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VX048608.D
Acq: 14 Nov 2025 14:39

Tgt Ion: 91 Resp: 2057
Ion Ratio Lower Upper
91 100
92 47.3 27.2 81.5
134 22.1 13.0 39.0

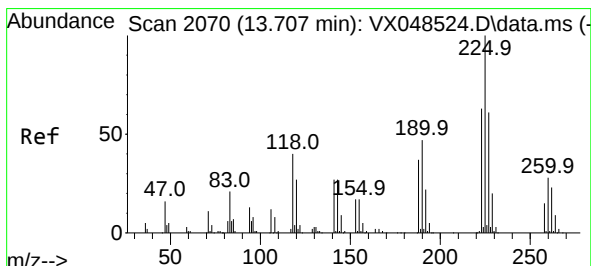
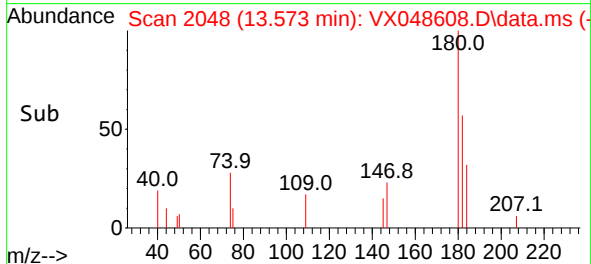
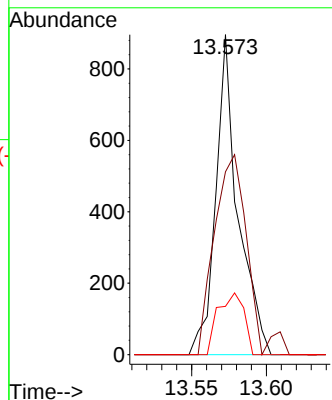
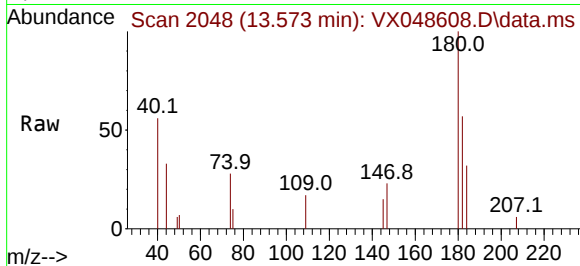




#93
1,2,4-Trichlorobenzene
Concen: 0.249 ug/l
RT: 13.573 min Scan# 2048
Delta R.T. 0.006 min
Lab File: VX048608.D
Acq: 14 Nov 2025 14:39

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

Tgt Ion:180 Resp: 925
Ion Ratio Lower Upper
180 100
182 93.2 47.5 142.6
145 22.6 15.9 47.7



#94
Hexachlorobutadiene
Concen: 0.414 ug/l
RT: 13.701 min Scan# 2069
Delta R.T. -0.006 min
Lab File: VX048608.D
Acq: 14 Nov 2025 14:39

Tgt Ion:225 Resp: 643
Ion Ratio Lower Upper
225 100
223 65.3 30.6 92.0
227 53.2 32.5 97.4

