

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
 Data File : VX047503.D
 Acq On : 22 Aug 2025 17:07
 Operator : JC/MD
 Sample : Q2939-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Aug 25 01:31:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

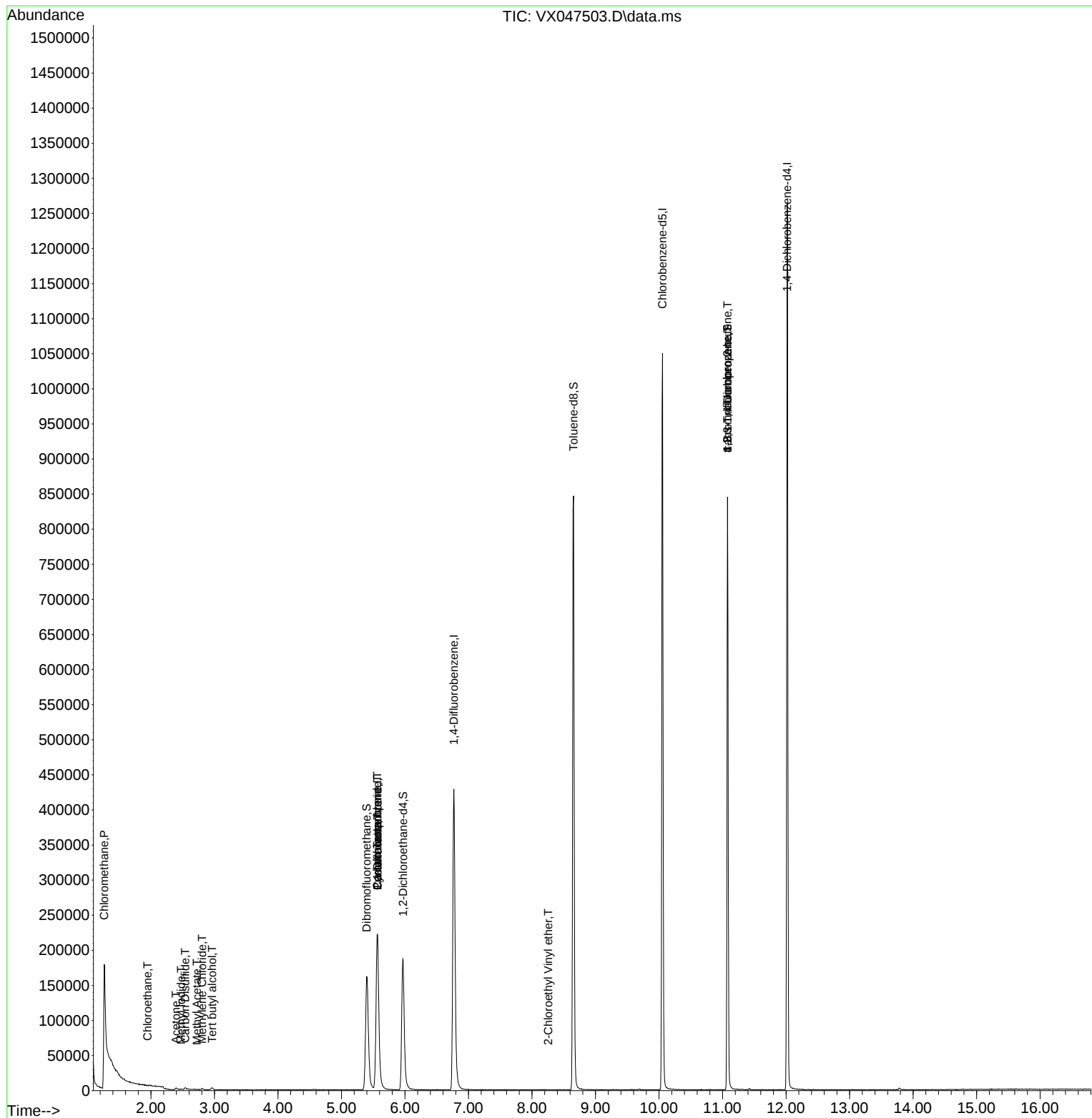
Internal Standards						
1) Pentafluorobenzene	5.568	168	225245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	459886	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	471515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	247511	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	199021	63.134	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 126.260%#	
35) Dibromofluoromethane	5.397	113	155519	52.105	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.220%	
50) Toluene-d8	8.653	98	523106	49.034	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.060%	
62) 4-Bromofluorobenzene	11.079	95	230300	58.500	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 117.000%	
Target Compounds						Qvalue
3) Chloromethane	1.264	50	5362	2.076	ug/l #	41
6) Chloroethane	1.947	64	728	0.367	ug/l #	78
10) Methyl Iodide	2.477	142	1392	0.292	ug/l #	92
11) Tert butyl alcohol	2.965	59	1371	4.999	ug/l #	76
16) Acetone	2.392	43	2575	2.173	ug/l #	84
17) Carbon Disulfide	2.538	76	2610	0.305	ug/l #	75
18) Methyl Acetate	2.721	43	906	0.295	ug/l #	67
20) Methylene Chloride	2.806	84	682	0.217	ug/l	90
31) Cyclohexane	5.568	56	4833	0.953	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	19387	4.115	ug/l #	50
38) Carbon Tetrachloride	5.562	117	24143	4.689	ug/l #	18
58) 2-Chloroethyl Vinyl ether	8.256	63	55	8.378	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	120789	26.608	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	120789	105.331	ug/l #	7

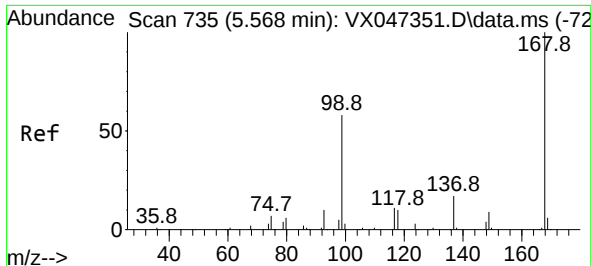
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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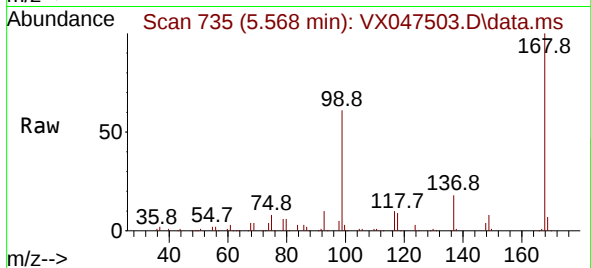
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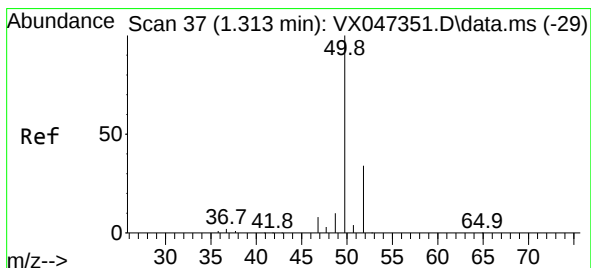
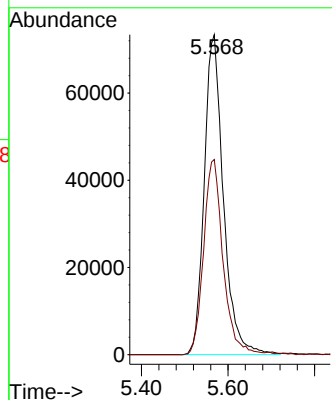
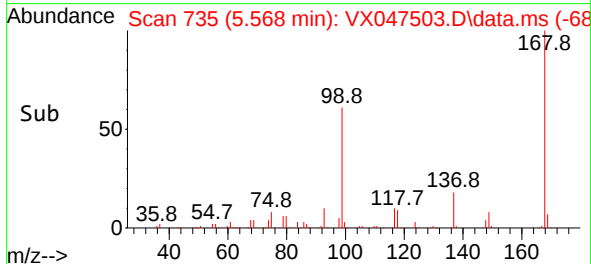


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047503.D
Acq: 22 Aug 2025 17:07

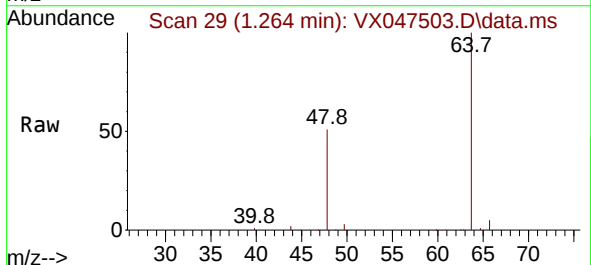
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6



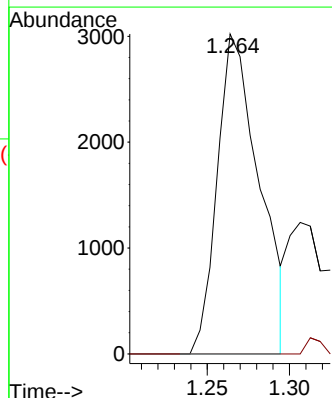
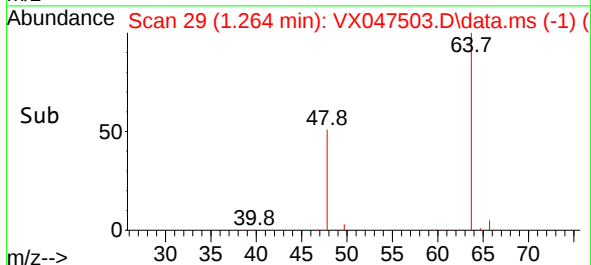
Tgt Ion:168 Resp: 225245
Ion Ratio Lower Upper
168 100
99 61.0 47.9 71.9

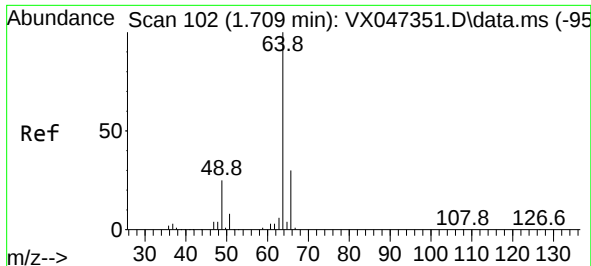


#3
Chloromethane
Concen: 2.076 ug/l
RT: 1.264 min Scan# 29
Delta R.T. -0.049 min
Lab File: VX047503.D
Acq: 22 Aug 2025 17:07



Tgt Ion: 50 Resp: 5362
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.4#

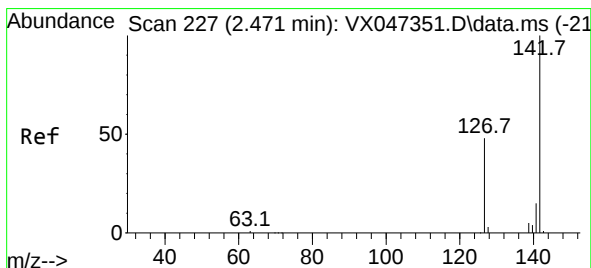
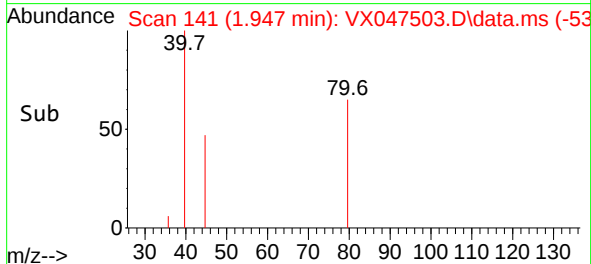
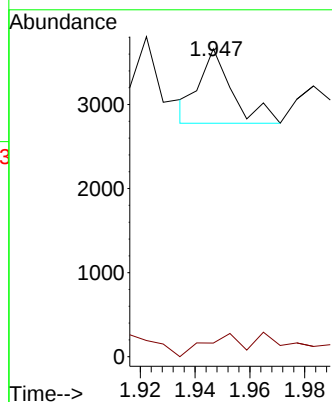
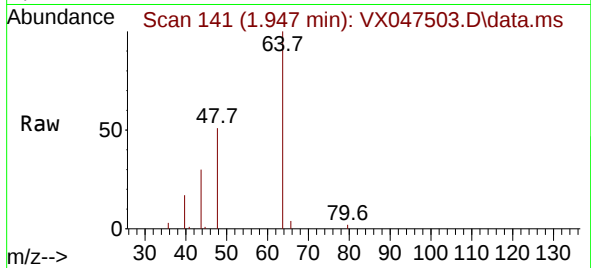




#6
Chloroethane
Concen: 0.367 ug/l
RT: 1.947 min Scan# 14
Delta R.T. 0.238 min
Lab File: VX047503.D
Acq: 22 Aug 2025 17:07

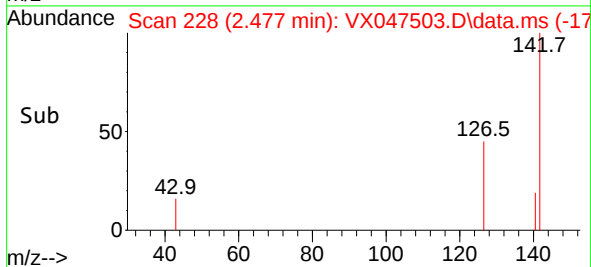
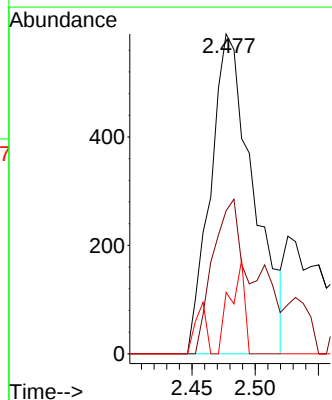
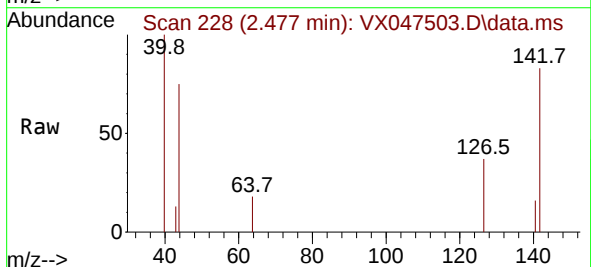
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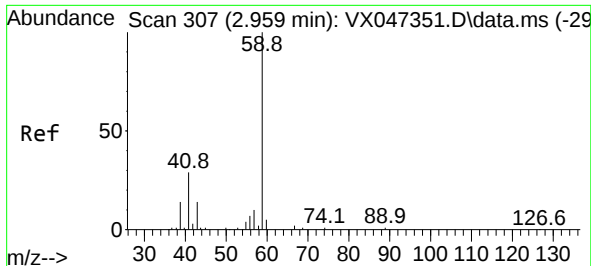
Tgt Ion: 64 Resp: 728
Ion Ratio Lower Upper
64 100
66 18.4 24.4 36.6#



#10
Methyl Iodide
Concen: 0.292 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047503.D
Acq: 22 Aug 2025 17:07

Tgt Ion:142 Resp: 1392
Ion Ratio Lower Upper
142 100
127 49.9 36.1 54.1
141 9.9 11.1 16.7#

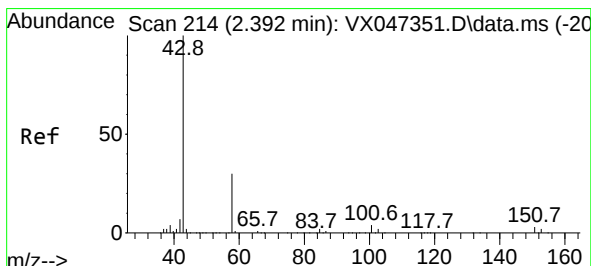
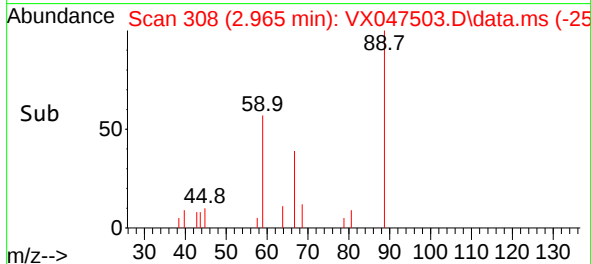
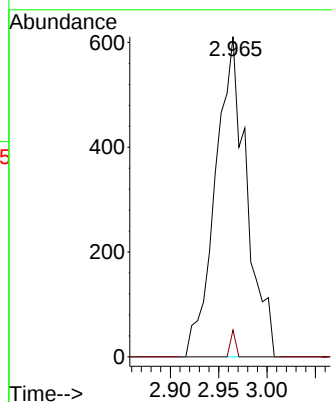
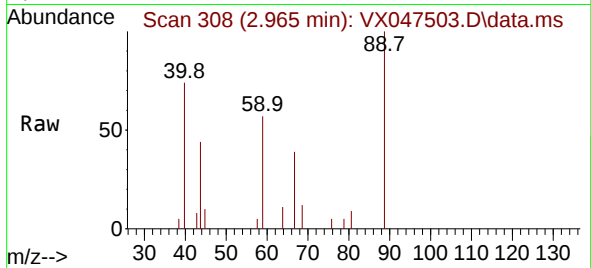




#11
Tert butyl alcohol
Concen: 4.999 ug/l
RT: 2.965 min Scan# 307
Delta R.T. 0.006 min
Lab File: VX047503.D
Acq: 22 Aug 2025 17:07

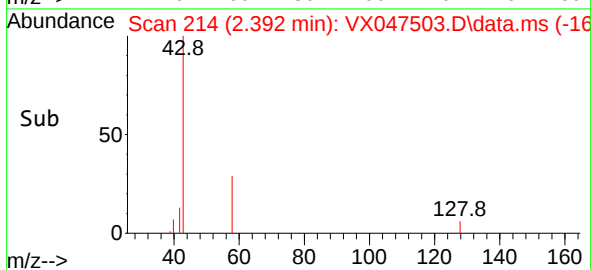
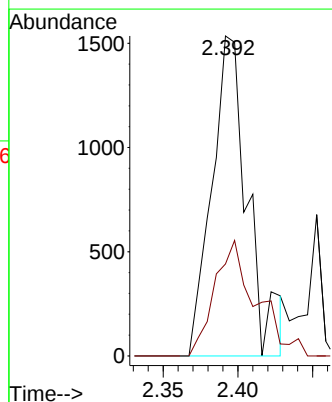
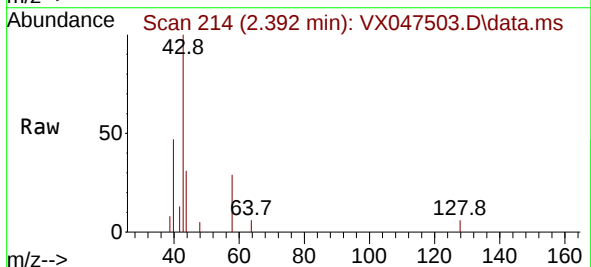
Instrument :
MSVOA_X
ClientSampleId :
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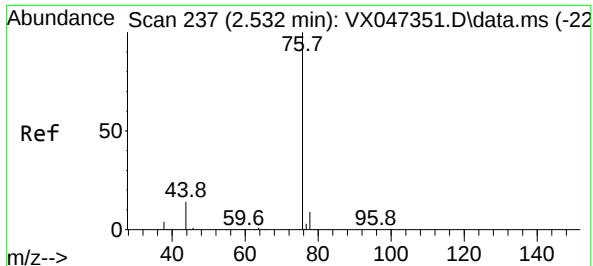
Tgt Ion: 59 Resp: 1371
Ion Ratio Lower Upper
59 100
57 1.4 8.3 12.5#



#16
Acetone
Concen: 2.173 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047503.D
Acq: 22 Aug 2025 17:07

Tgt Ion: 43 Resp: 2575
Ion Ratio Lower Upper
43 100
58 22.0 24.8 37.2#





#17

Carbon Disulfide

Concen: 0.305 ug/l

RT: 2.538 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX047503.D

Acq: 22 Aug 2025 17:07

Instrument :

MSVOA_X

ClientSampleId :

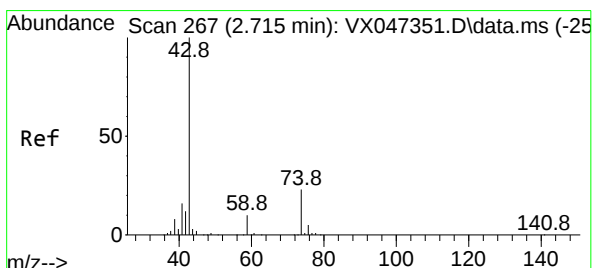
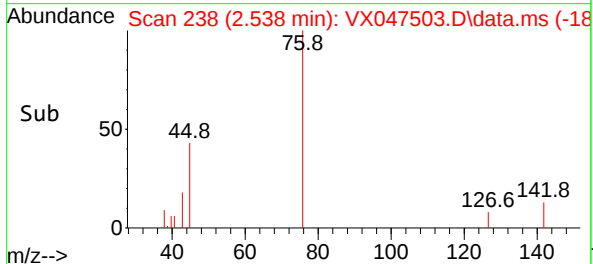
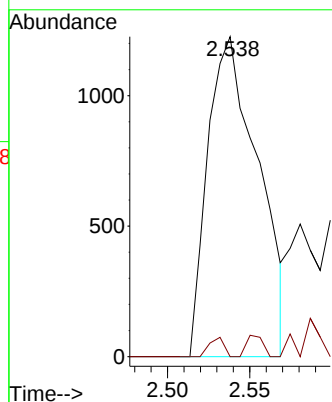
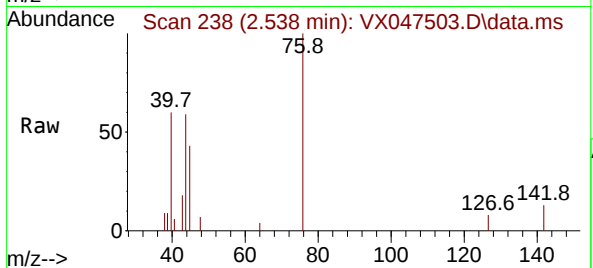
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 76 Resp: 2610

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#18

Methyl Acetate

Concen: 0.295 ug/l

RT: 2.721 min Scan# 268

Delta R.T. 0.006 min

Lab File: VX047503.D

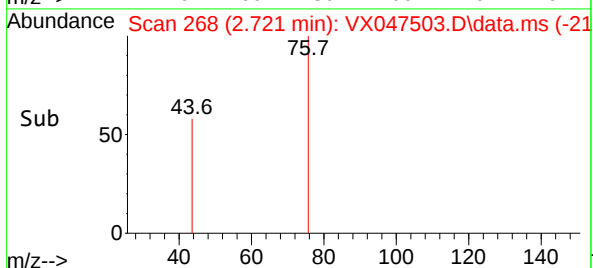
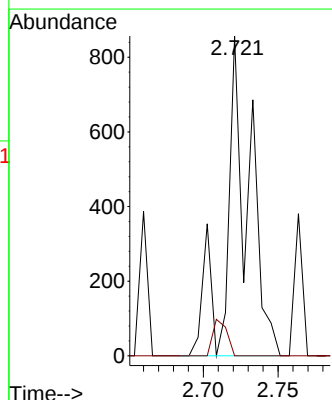
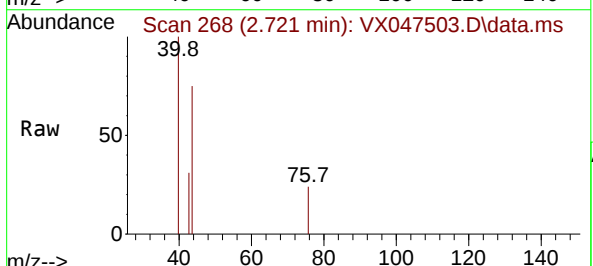
Acq: 22 Aug 2025 17:07

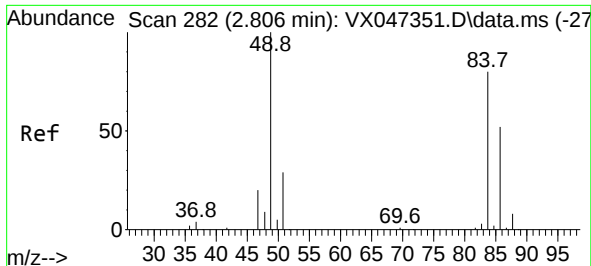
Tgt Ion: 43 Resp: 906

Ion Ratio Lower Upper

43 100

74 7.1 18.4 27.6#

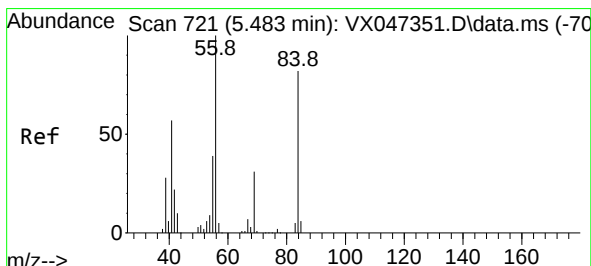
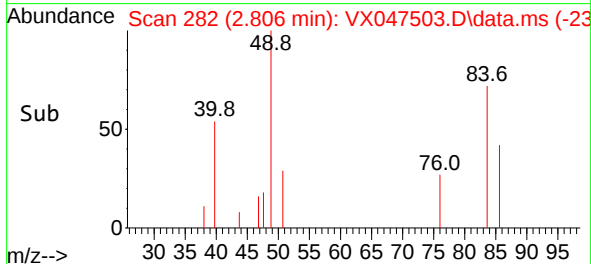
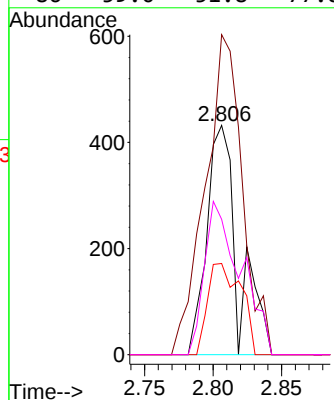
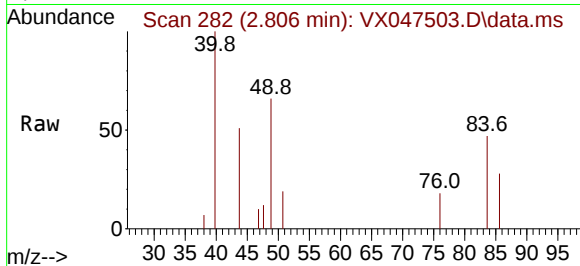




#20
Methylene Chloride
Concen: 0.217 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047503.D
Acq: 22 Aug 2025 17:07

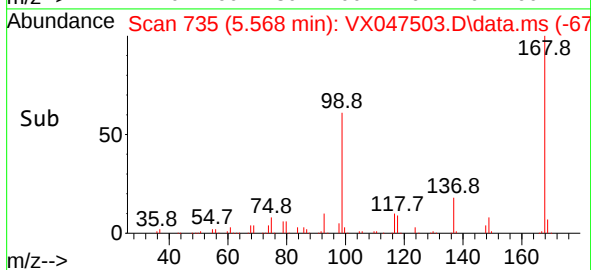
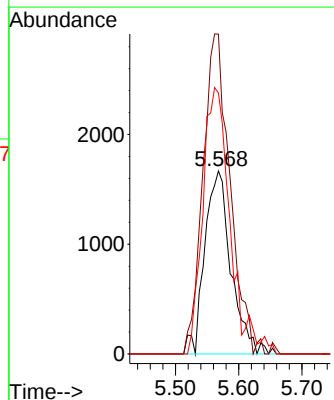
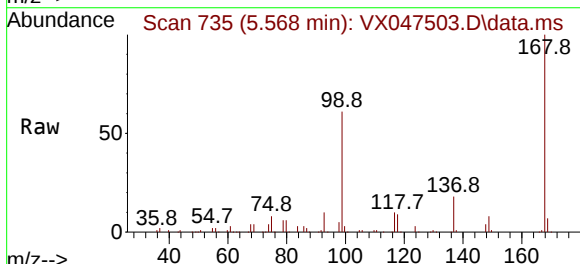
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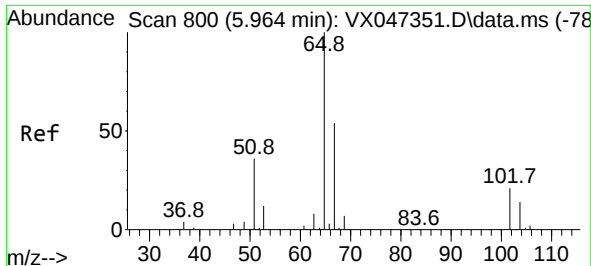
Tgt Ion:	84	Resp:	682
Ion	Ratio	Lower	Upper
84	100		
49	139.6	100.1	150.1
51	39.8	29.5	44.3
86	59.0	51.8	77.8



#31
Cyclohexane
Concen: 0.953 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.085 min
Lab File: VX047503.D
Acq: 22 Aug 2025 17:07

Tgt Ion:	56	Resp:	4833
Ion	Ratio	Lower	Upper
56	100		
69	166.8	24.3	36.5#
84	136.1	65.3	97.9#

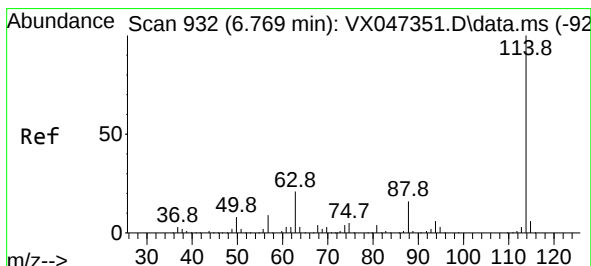
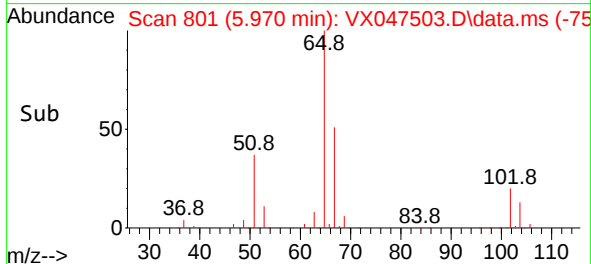
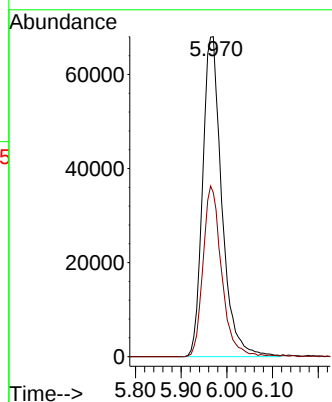
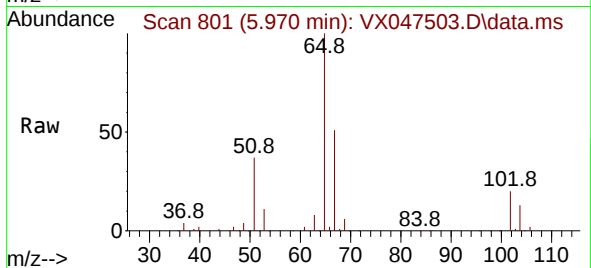




#33
 1,2-Dichloroethane-d4
 Concen: 63.134 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.006 min
 Lab File: VX047503.D
 Acq: 22 Aug 2025 17:07

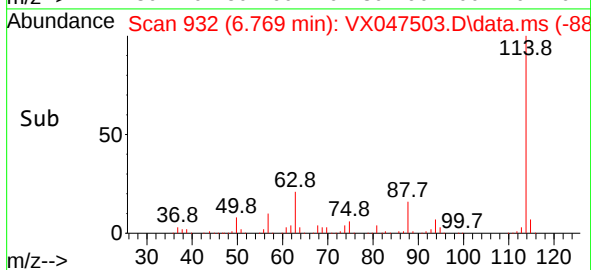
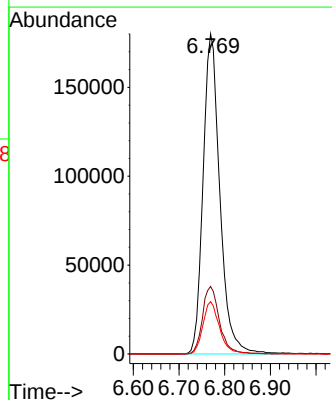
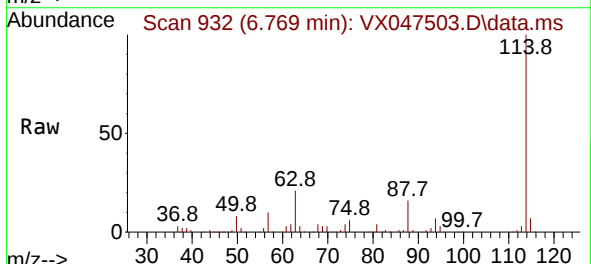
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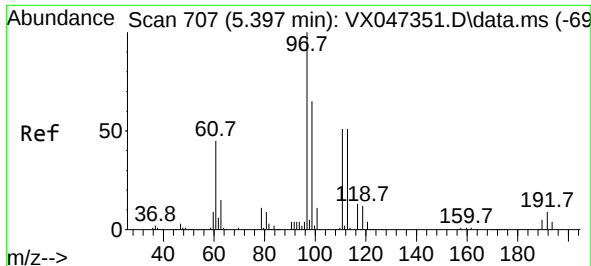
Tgt Ion: 65 Resp: 199021
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047503.D
 Acq: 22 Aug 2025 17:07

Tgt Ion: 114 Resp: 459886
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.4
 88 16.4 0.0 33.0

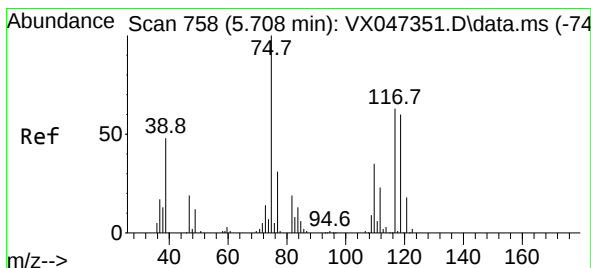
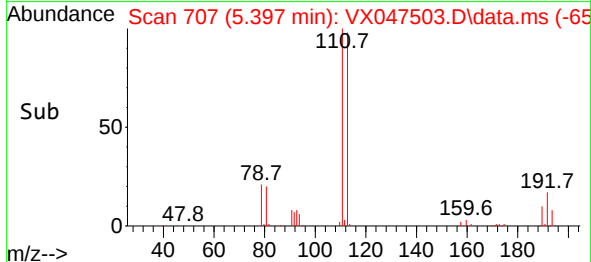
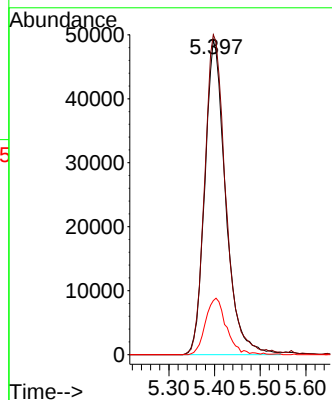
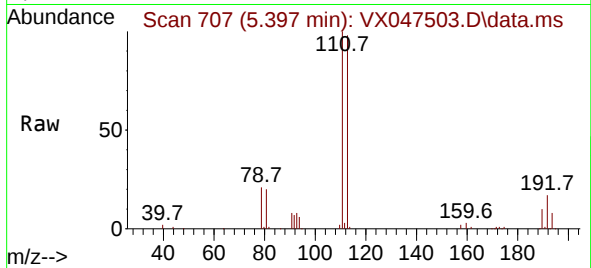




#35
Dibromofluoromethane
Concen: 52.105 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047503.D
Acq: 22 Aug 2025 17:07

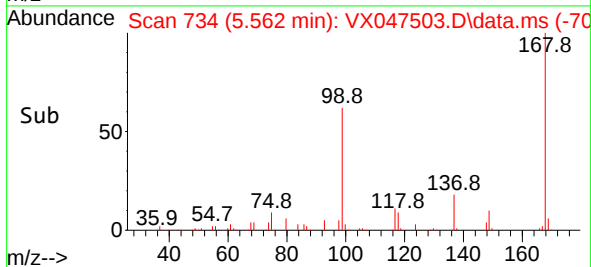
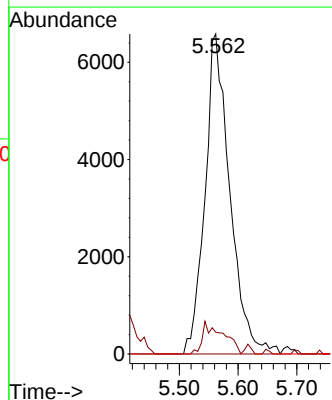
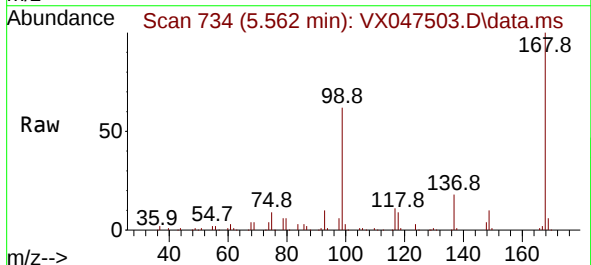
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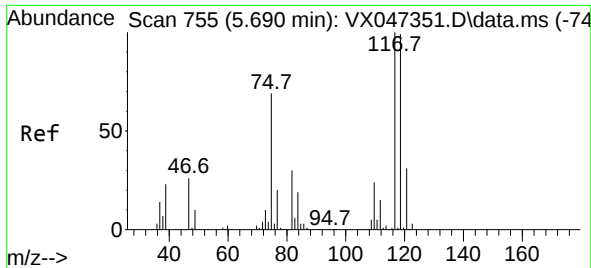
Tgt Ion:113 Resp: 155519
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.2
192 18.0 14.1 21.1



#36
1,1-Dichloropropene
Concen: 4.115 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.146 min
Lab File: VX047503.D
Acq: 22 Aug 2025 17:07

Tgt Ion: 75 Resp: 19387
Ion Ratio Lower Upper
75 100
110 8.4 17.4 52.2#
77 0.0 24.4 36.6#

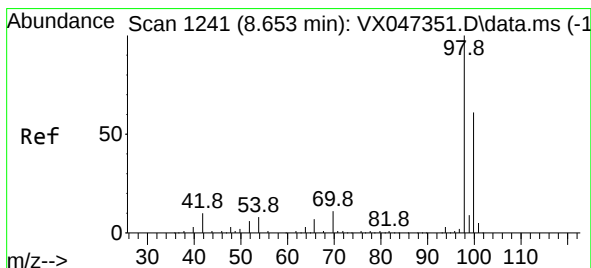
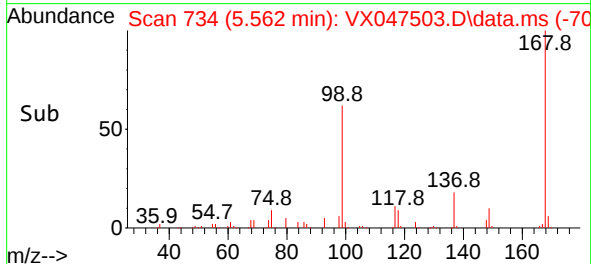
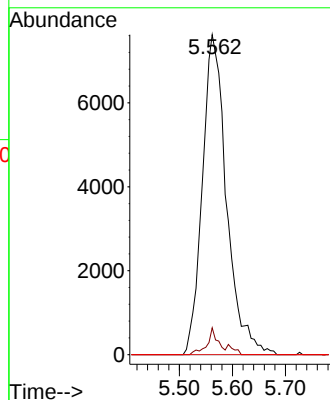
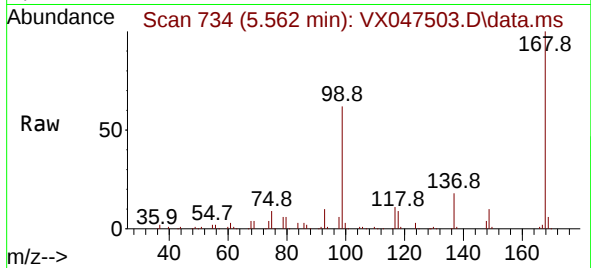




#38
Carbon Tetrachloride
Concen: 4.689 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047503.D
Acq: 22 Aug 2025 17:07

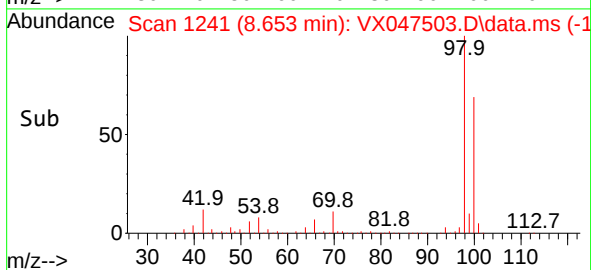
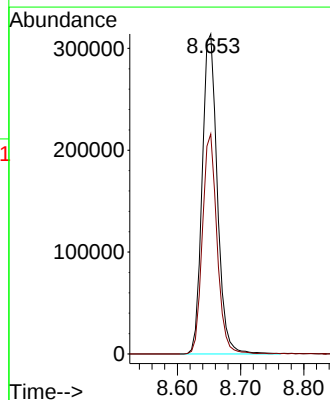
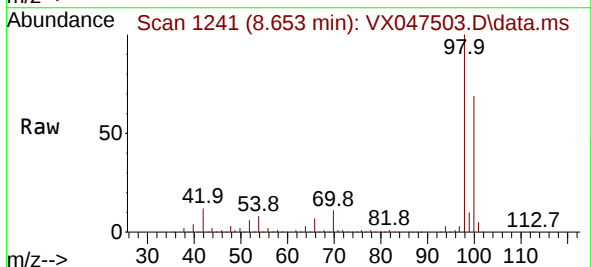
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

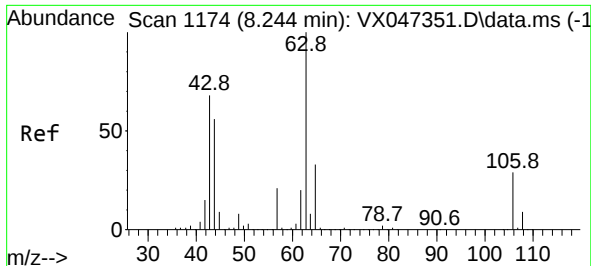
Tgt Ion:117 Resp: 24143
Ion Ratio Lower Upper
117 100
119 8.4 78.5 117.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.034 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047503.D
Acq: 22 Aug 2025 17:07

Tgt Ion: 98 Resp: 523106
Ion Ratio Lower Upper
98 100
100 66.4 53.9 80.9

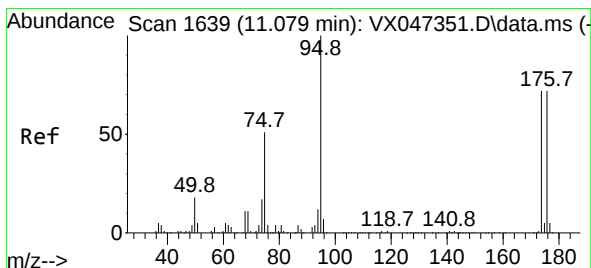
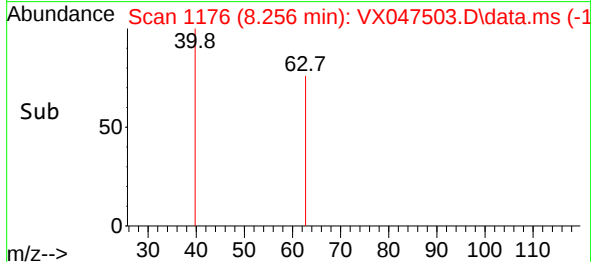
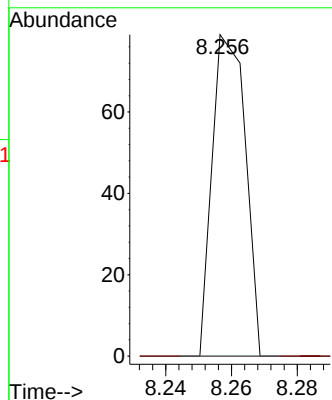
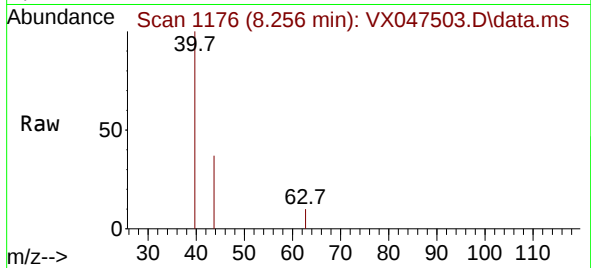




#58
2-Chloroethyl Vinyl ether
Concen: 8.378 ug/l
RT: 8.256 min Scan# 1176
Delta R.T. 0.012 min
Lab File: VX047503.D
Acq: 22 Aug 2025 17:07

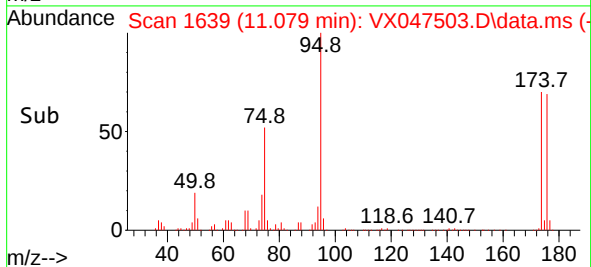
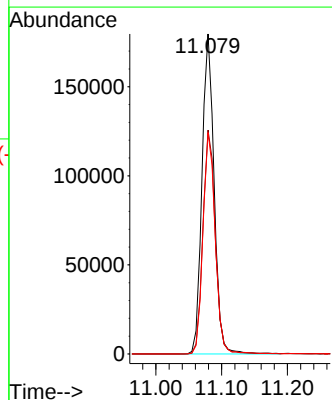
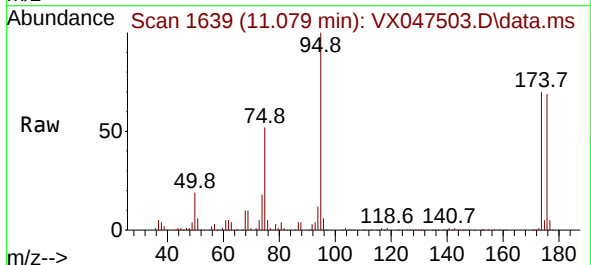
Instrument : MSVOA_X
ClientSampleId : STORAGE-BLANK-SOIL-REF-6

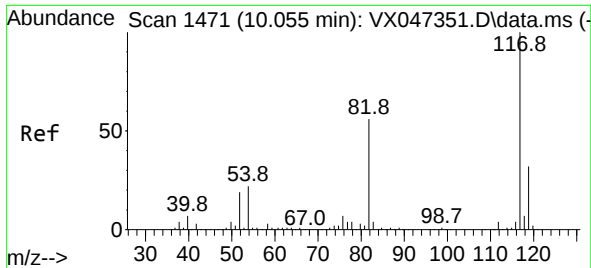
Tgt Ion: 63 Resp: 55
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#



#62
4-Bromofluorobenzene
Concen: 58.500 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047503.D
Acq: 22 Aug 2025 17:07

Tgt Ion: 95 Resp: 230300
Ion Ratio Lower Upper
95 100
174 71.1 0.0 148.0
176 69.9 0.0 145.4

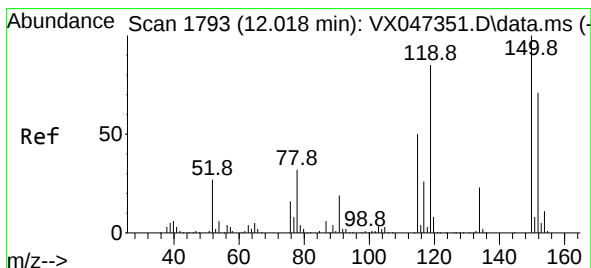
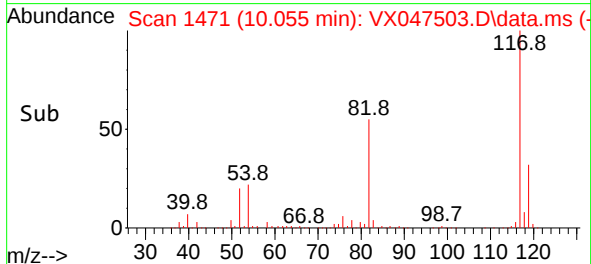
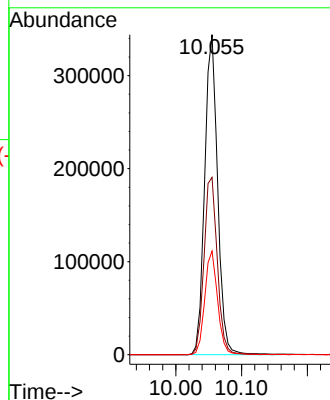
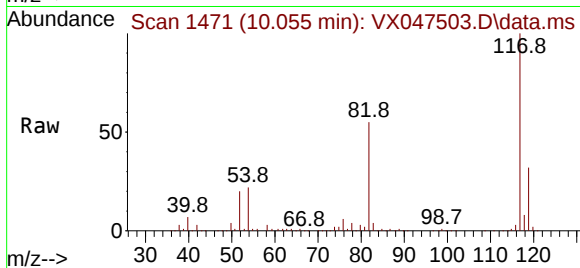




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047503.D
Acq: 22 Aug 2025 17:07

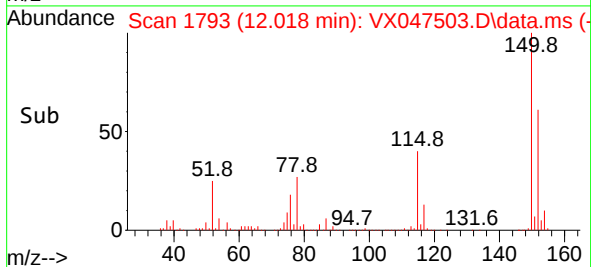
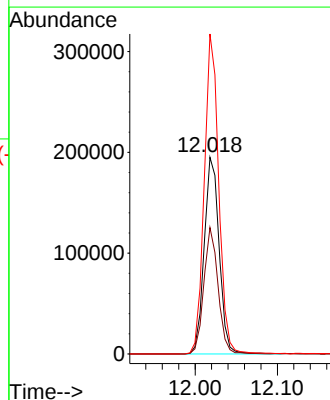
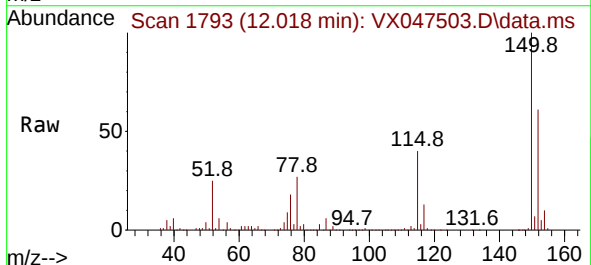
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

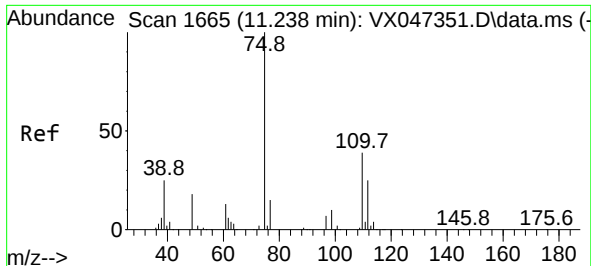
Tgt Ion:117 Resp: 471515
Ion Ratio Lower Upper
117 100
82 55.4 45.0 67.4
119 32.3 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047503.D
Acq: 22 Aug 2025 17:07

Tgt Ion:152 Resp: 247511
Ion Ratio Lower Upper
152 100
115 61.2 44.6 133.8
150 157.4 0.0 349.8

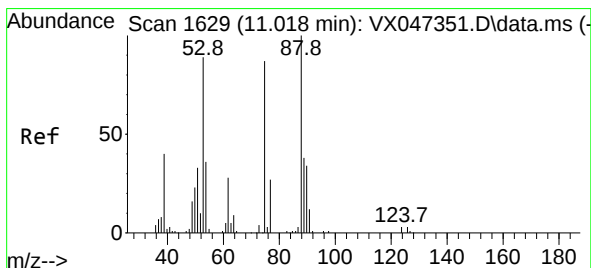
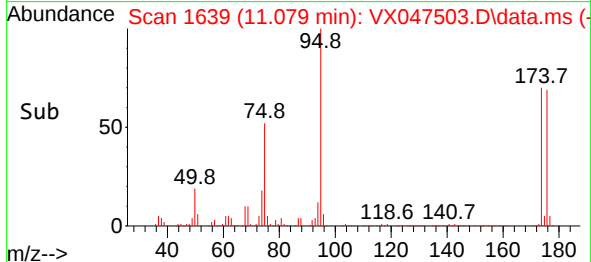
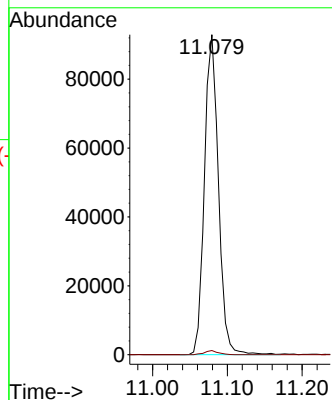
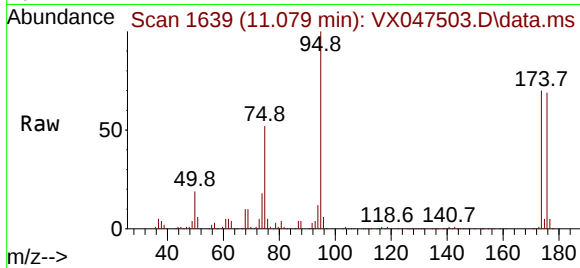




#76
1,2,3-Trichloropropane
Concen: 26.608 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX047503.D
Acq: 22 Aug 2025 17:07

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

Tgt Ion: 75 Resp: 120789
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.331 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047503.D
Acq: 22 Aug 2025 17:07

Tgt Ion: 75 Resp: 120789
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#

