

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062025\  
 Data File : VX046787.D  
 Acq On : 20 Jun 2025 16:58  
 Operator : JC/MD  
 Sample : Q2258-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Jun 21 00:10:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061725W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 18 03:09:16 2025  
 Response via : Initial Calibration

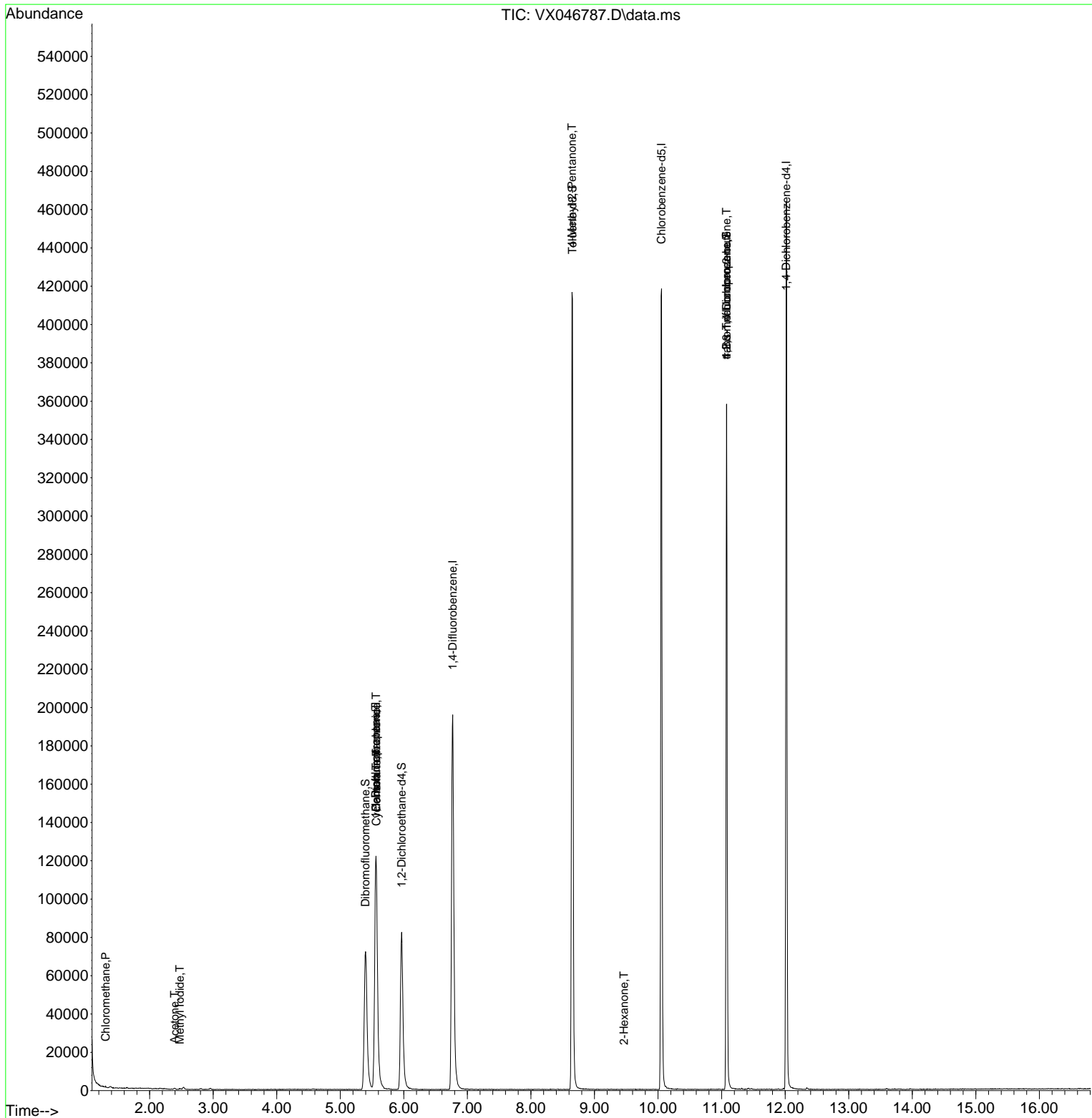
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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Internal Standards						
1) Pentafluorobenzene	5.562	168	127897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	217785	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	85297	48.216	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	96.440%	
35) Dibromofluoromethane	5.397	113	70938	49.231	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	98.460%	
50) Toluene-d8	8.653	98	260441	50.308	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	100.620%	
62) 4-Bromofluorobenzene	11.079	95	96949	50.238	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	100.480%	
Target Compounds						
						Qvalue
3) Chloromethane	1.307	50	380	0.258	ug/l	99
10) Methyl Iodide	2.477	142	589	4.627	ug/l #	72
16) Acetone	2.392	43	657	1.114	ug/l #	77
31) Cyclohexane	5.568	56	2480	0.936	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10352	4.977	ug/l #	48
38) Carbon Tetrachloride	5.562	117	13369	5.922	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	1177	0.657	ug/l #	1
59) 2-Hexanone	9.464	43	261	0.211	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	48830	27.774	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	48830	78.505	ug/l #	7
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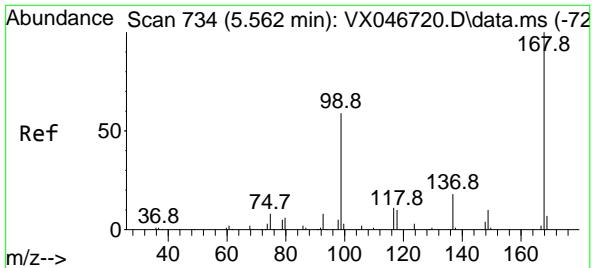
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 STORAGE-BLANK-SOIL-REF-6

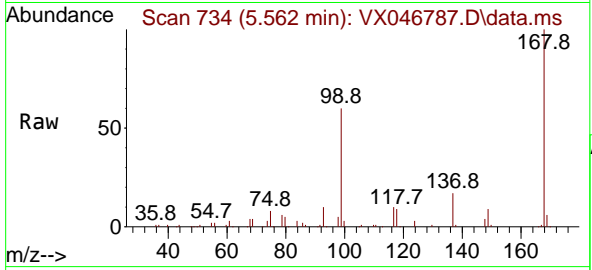
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061725W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 18 03:09:16 2025  
 Response via : Initial Calibration



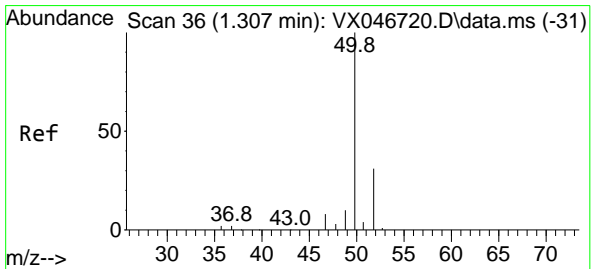
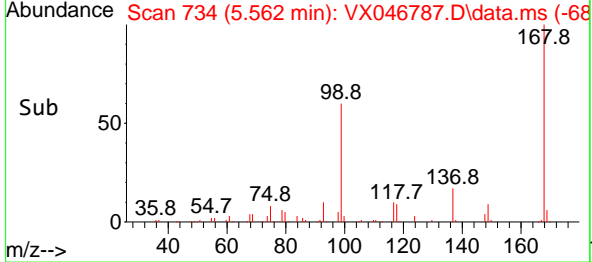
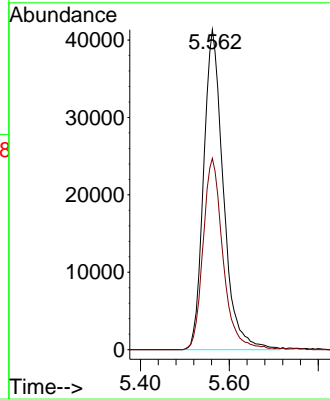


#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.562 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VX046787.D  
 Acq: 20 Jun 2025 16:58

Instrument : MSVOA\_X  
 ClientSampleId : STORAGE-BLANK-SOIL-REF-6

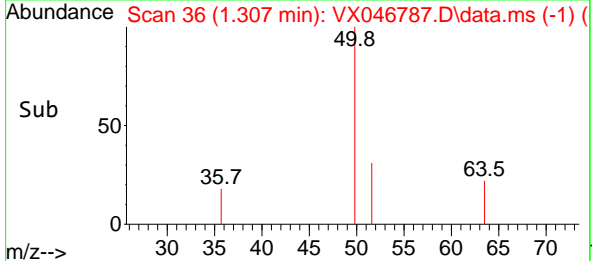
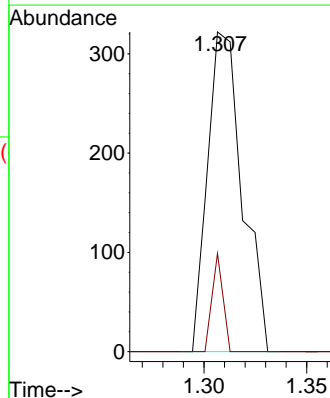
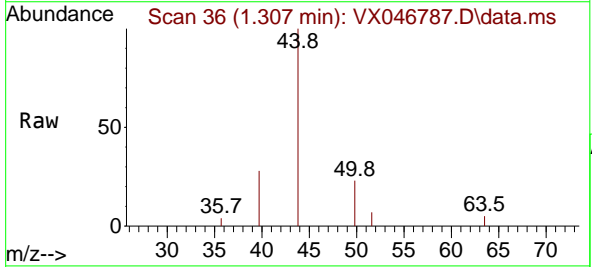


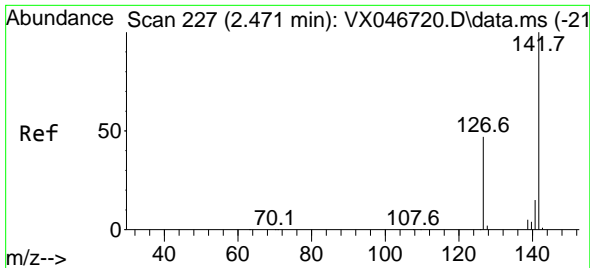
Tgt Ion:168 Resp: 127897  
 Ion Ratio Lower Upper  
 168 100  
 99 59.8 48.5 72.7



#3  
 Chloromethane  
 Concen: 0.258 ug/l  
 RT: 1.307 min Scan# 36  
 Delta R.T. -0.000 min  
 Lab File: VX046787.D  
 Acq: 20 Jun 2025 16:58

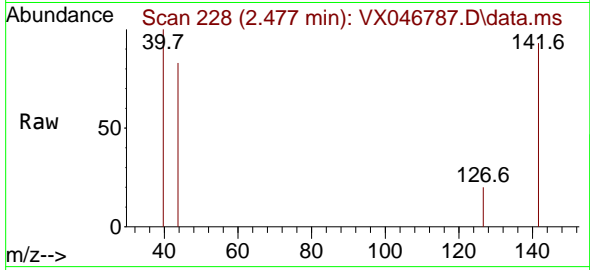
Tgt Ion: 50 Resp: 380  
 Ion Ratio Lower Upper  
 50 100  
 52 30.7 24.9 37.3





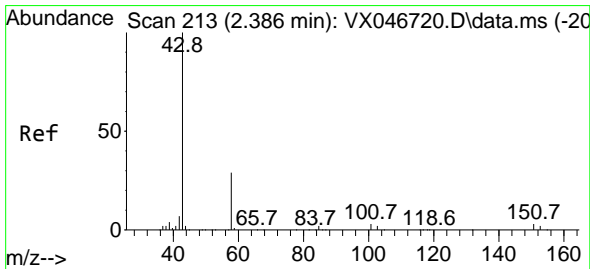
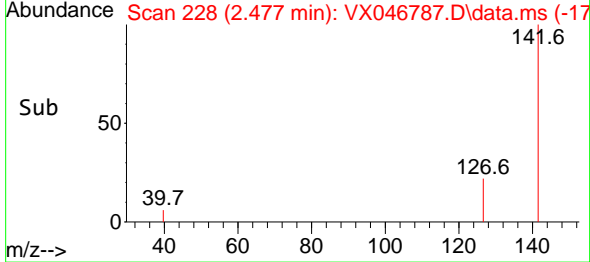
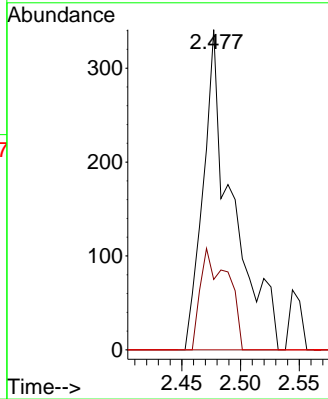
#10  
 Methyl Iodide  
 Concen: 4.627 ug/l  
 RT: 2.477 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VX046787.D  
 Acq: 20 Jun 2025 16:58

Instrument : MSVOA\_X  
 ClientSampleId : STORAGE-BLANK-SOIL-REF-6



Tgt Ion: 142 Resp: 589

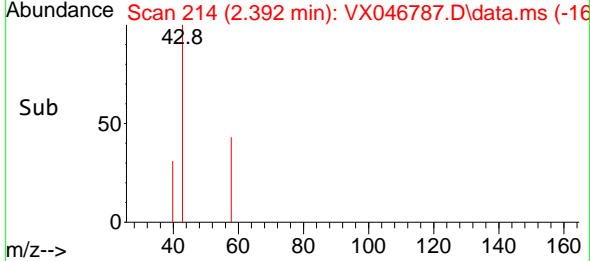
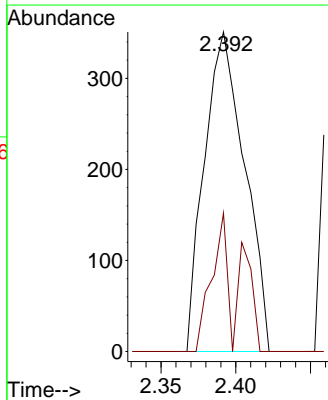
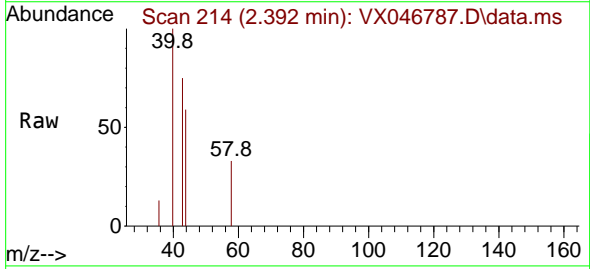
Ion	Ratio	Lower	Upper
142	100		
127	29.5	37.0	55.6#
141	0.0	11.5	17.3#

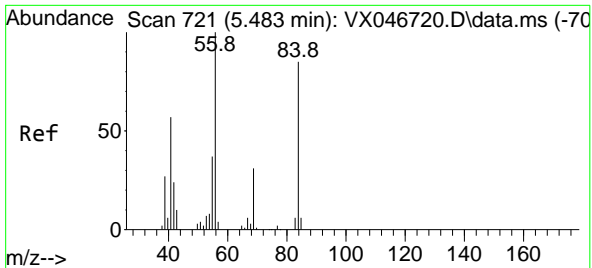


#16  
 Acetone  
 Concen: 1.114 ug/l  
 RT: 2.392 min Scan# 214  
 Delta R.T. 0.006 min  
 Lab File: VX046787.D  
 Acq: 20 Jun 2025 16:58

Tgt Ion: 43 Resp: 657

Ion	Ratio	Lower	Upper
43	100		
58	43.3	24.5	36.7#

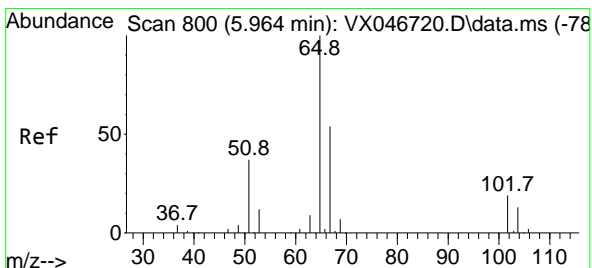
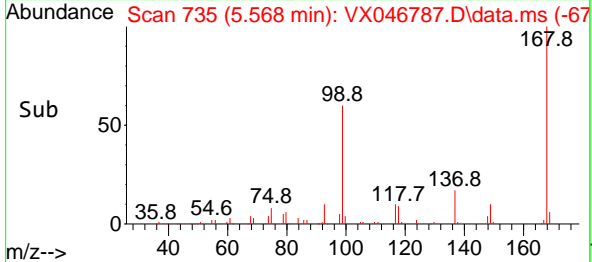
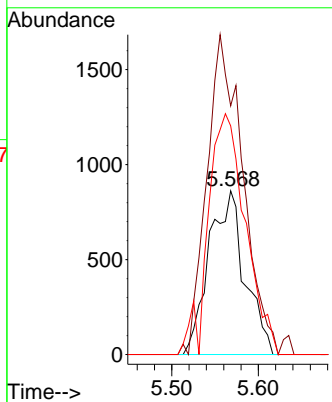
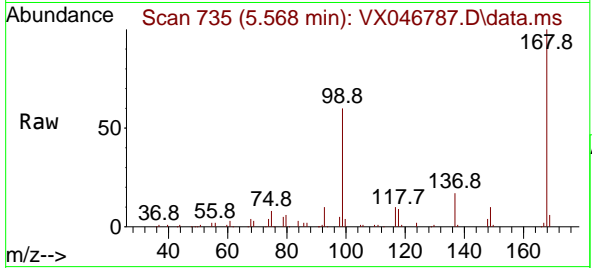




#31  
 Cyclohexane  
 Concen: 0.936 ug/l  
 RT: 5.568 min Scan# 71  
 Delta R.T. 0.085 min  
 Lab File: VX046787.D  
 Acq: 20 Jun 2025 16:58

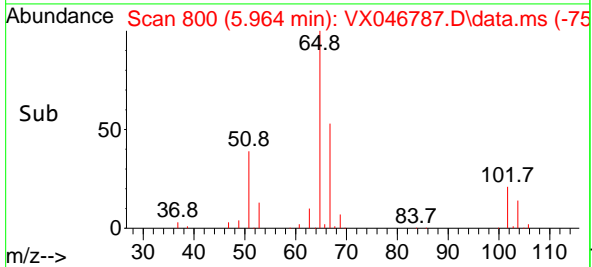
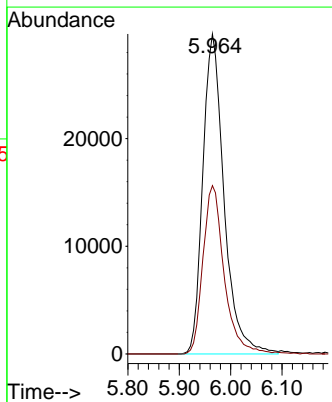
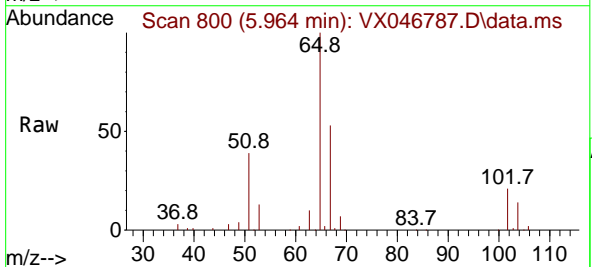
Instrument : MSVOA\_X  
 ClientSampleId : STORAGE-BLANK-SOIL-REF-6

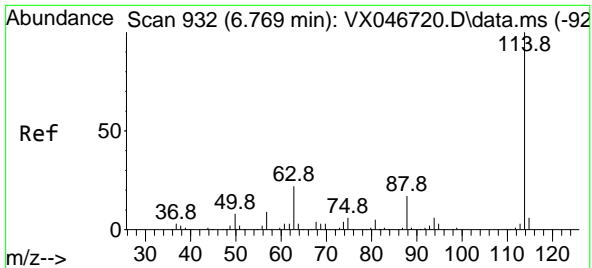
Tgt Ion: 56 Resp: 2480  
 Ion Ratio Lower Upper  
 56 100  
 69 151.9 24.8 37.2#  
 84 139.7 68.2 102.2#



#33  
 1,2-Dichloroethane-d4  
 Concen: 48.216 ug/l  
 RT: 5.964 min Scan# 800  
 Delta R.T. -0.000 min  
 Lab File: VX046787.D  
 Acq: 20 Jun 2025 16:58

Tgt Ion: 65 Resp: 85297  
 Ion Ratio Lower Upper  
 65 100  
 67 52.8 0.0 105.4



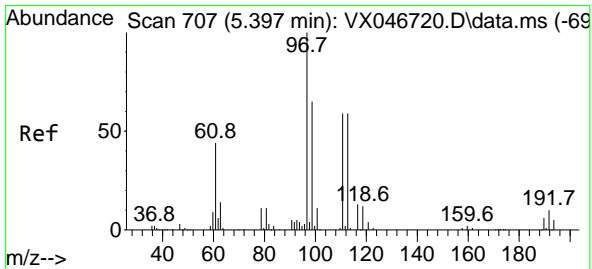
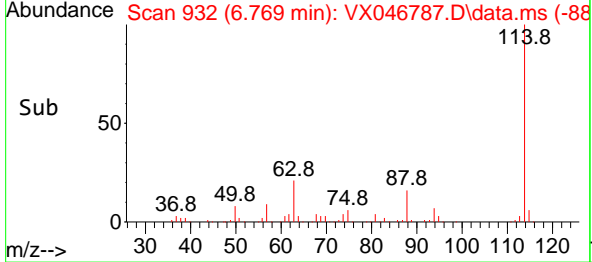
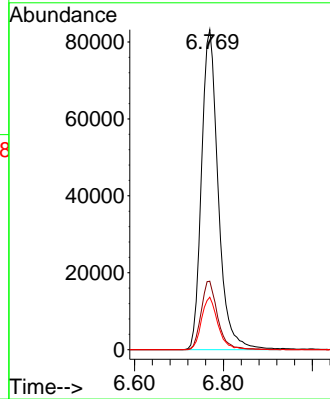
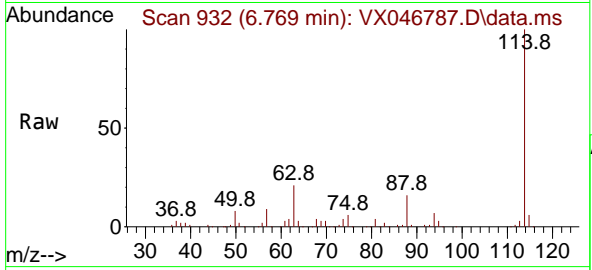


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.769 min Scan# 911  
 Delta R.T. 0.000 min  
 Lab File: VX046787.D  
 Acq: 20 Jun 2025 16:58

Instrument : MSVOA\_X  
 ClientSampleId : STORAGE-BLANK-SOIL-REF-6

Tgt Ion:114 Resp: 217785

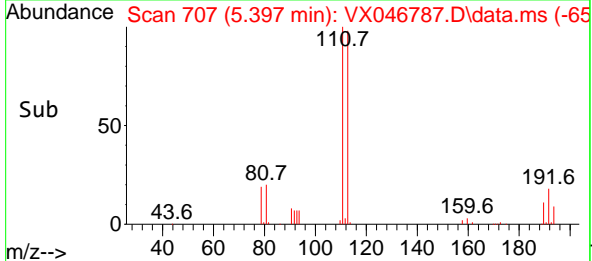
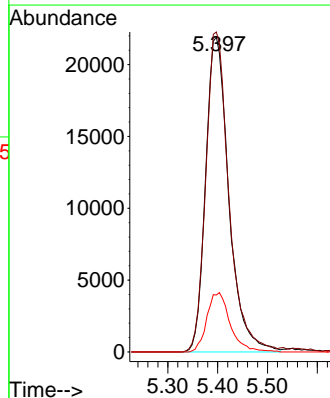
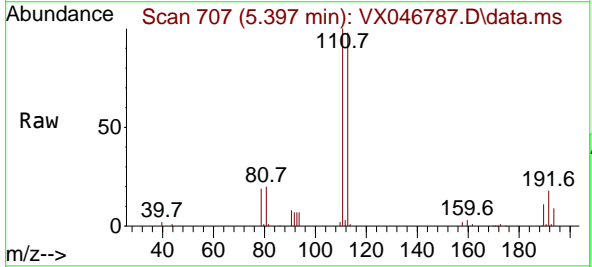
Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.2
88	16.4	0.0	33.2

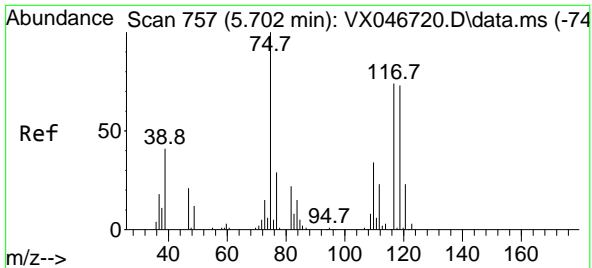


#35  
 Dibromofluoromethane  
 Concen: 49.231 ug/l  
 RT: 5.397 min Scan# 707  
 Delta R.T. -0.000 min  
 Lab File: VX046787.D  
 Acq: 20 Jun 2025 16:58

Tgt Ion:113 Resp: 70938

Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.0	123.0
192	19.0	15.3	22.9

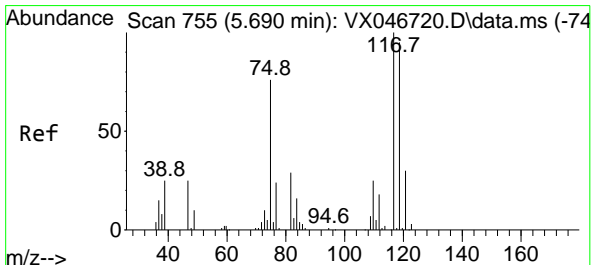
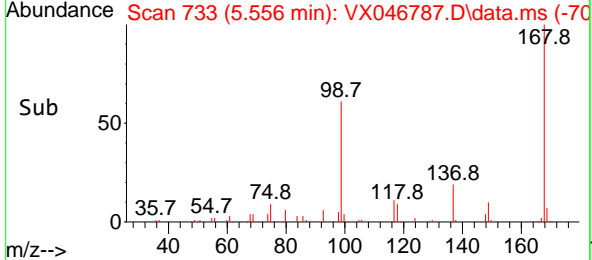
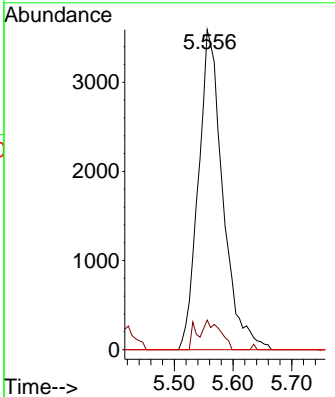
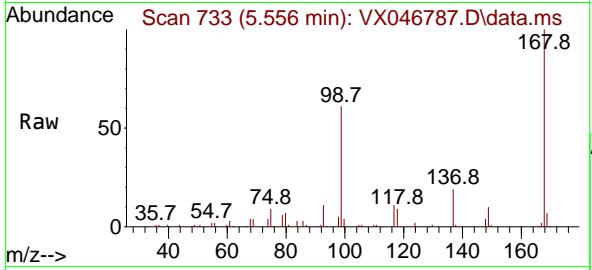




#36  
 1,1-Dichloropropene  
 Concen: 4.977 ug/l  
 RT: 5.556 min Scan# 711  
 Delta R.T. -0.146 min  
 Lab File: VX046787.D  
 Acq: 20 Jun 2025 16:58

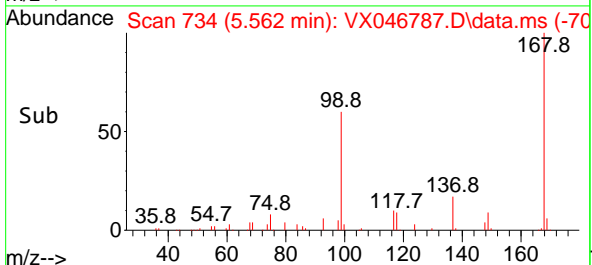
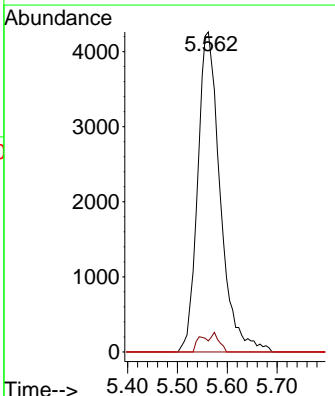
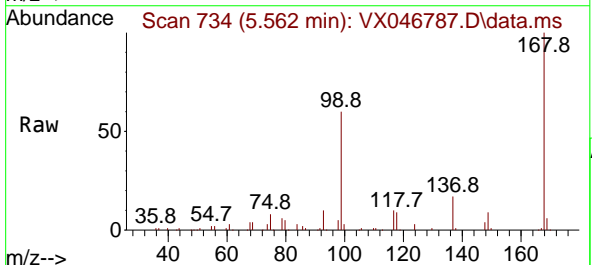
Instrument : MSVOA\_X  
 ClientSampleId : STORAGE-BLANK-SOIL-REF-6

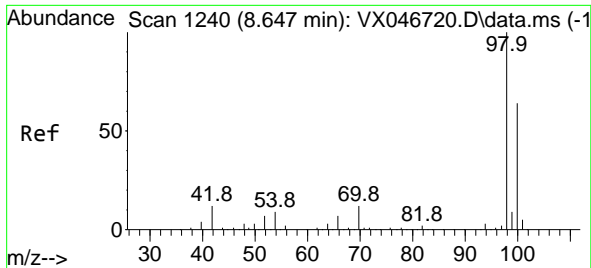
Tgt Ion	Resp	Lower	Upper
75	10352		
75	100		
110	6.3	17.2	51.5#
77	0.0	24.2	36.4#



#38  
 Carbon Tetrachloride  
 Concen: 5.922 ug/l  
 RT: 5.562 min Scan# 734  
 Delta R.T. -0.128 min  
 Lab File: VX046787.D  
 Acq: 20 Jun 2025 16:58

Tgt Ion	Resp	Lower	Upper
117	13369		
117	100		
119	3.4	75.2	112.8#
121	0.0	24.1	36.1#

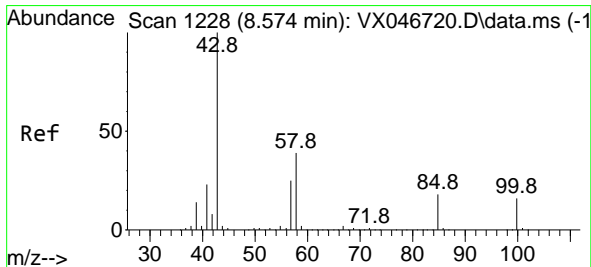
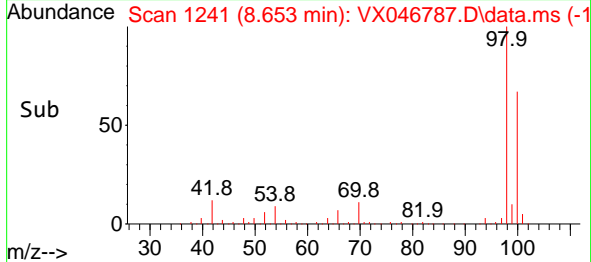
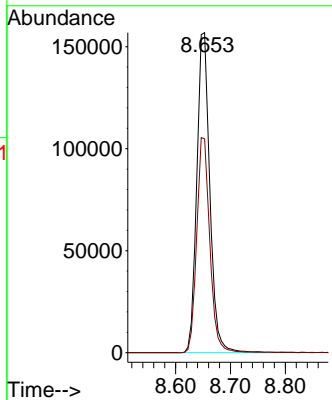
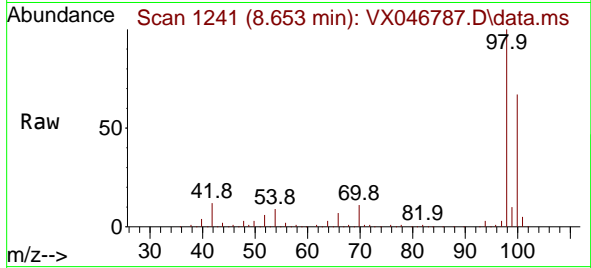




#50  
 Toluene-d8  
 Concen: 50.308 ug/l  
 RT: 8.653 min Scan# 1241  
 Delta R.T. 0.006 min  
 Lab File: VX046787.D  
 Acq: 20 Jun 2025 16:58

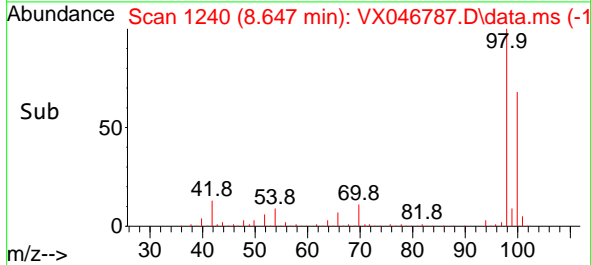
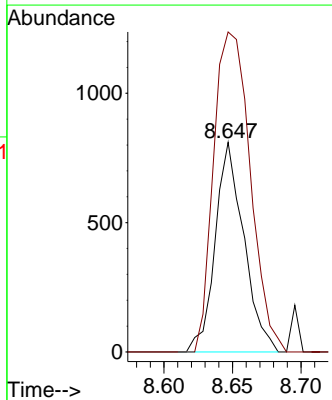
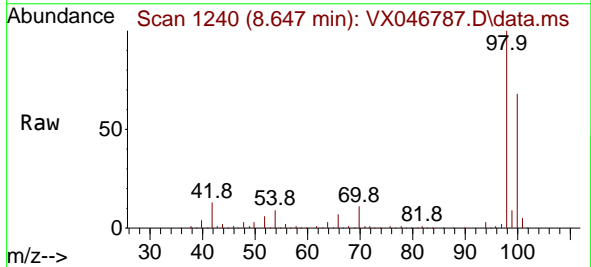
Instrument : MSVOA\_X  
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Tgt Ion: 98 Resp: 260441  
 Ion Ratio Lower Upper  
 98 100  
 100 67.5 53.0 79.4

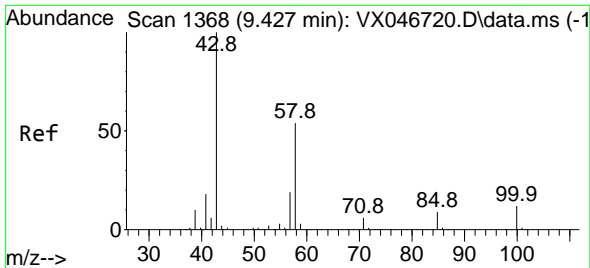


#51  
 4-Methyl-2-Pentanone  
 Concen: 0.657 ug/l  
 RT: 8.647 min Scan# 1240  
 Delta R.T. 0.073 min  
 Lab File: VX046787.D  
 Acq: 20 Jun 2025 16:58

Tgt Ion: 43 Resp: 1177  
 Ion Ratio Lower Upper  
 43 100  
 58 195.7 30.8 46.2#



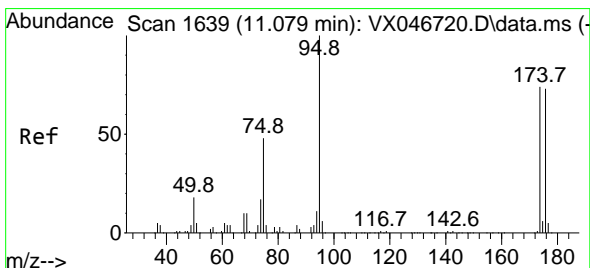
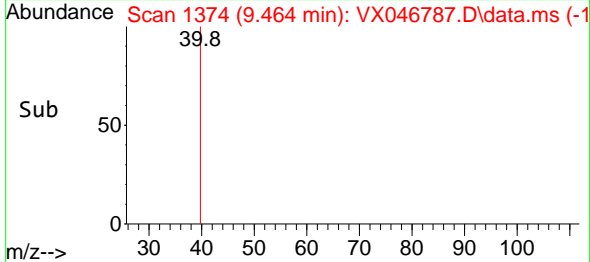
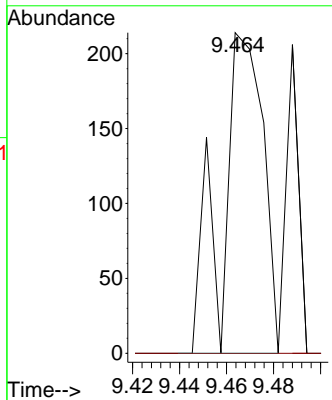
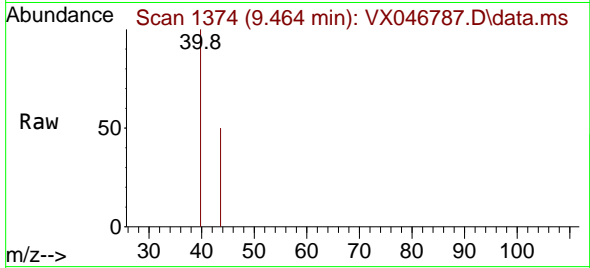




#59  
 2-Hexanone  
 Concen: 0.211 ug/l  
 RT: 9.464 min Scan# 11  
 Delta R.T. 0.036 min  
 Lab File: VX046787.D  
 Acq: 20 Jun 2025 16:58

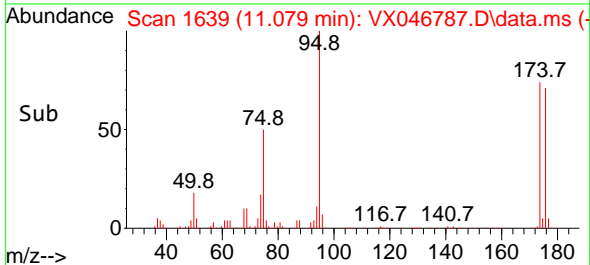
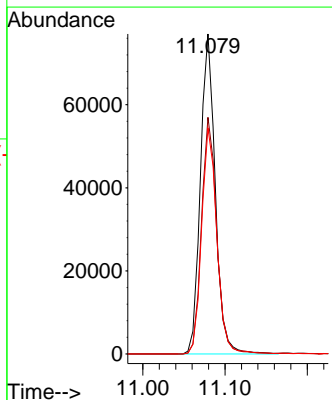
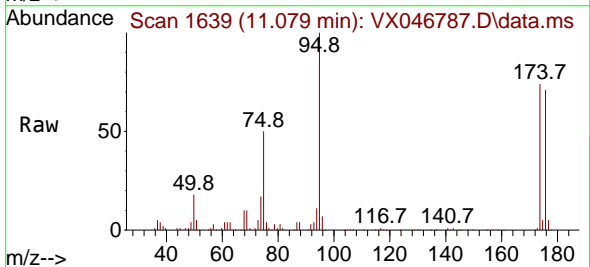
Instrument : MSVOA\_X  
 ClientSampleId : STORAGE-BLANK-SOIL-REF-6

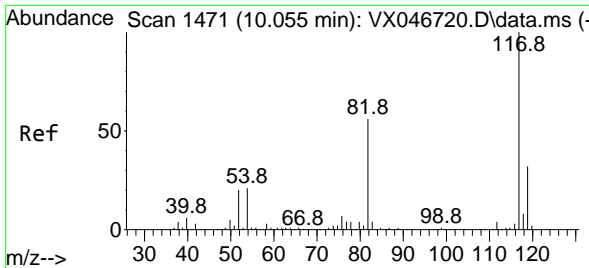
Tgt Ion: 43 Resp: 261  
 Ion Ratio Lower Upper  
 43 100  
 58 0.0 26.8 80.4#



#62  
 4-Bromofluorobenzene  
 Concen: 50.238 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.000 min  
 Lab File: VX046787.D  
 Acq: 20 Jun 2025 16:58

Tgt Ion: 95 Resp: 96949  
 Ion Ratio Lower Upper  
 95 100  
 174 75.0 0.0 150.4  
 176 72.4 0.0 145.0



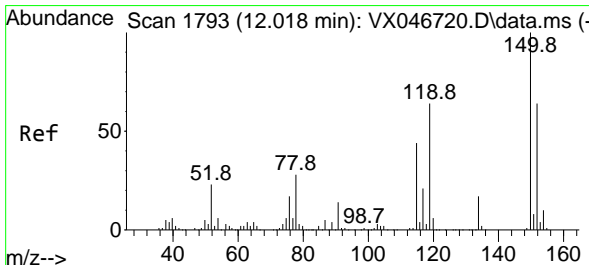
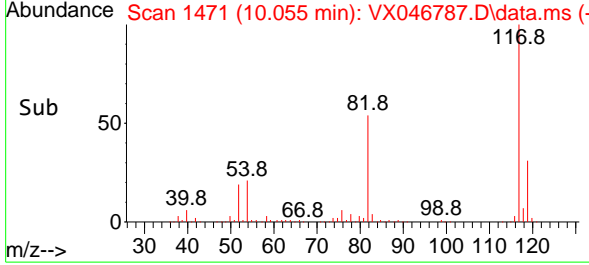
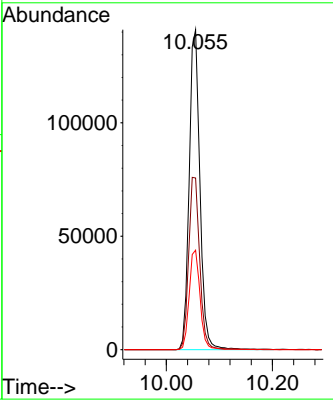
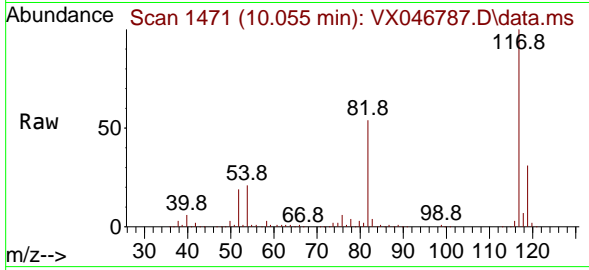


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.055 min Scan# 1471  
 Delta R.T. -0.000 min  
 Lab File: VX046787.D  
 Acq: 20 Jun 2025 16:58

Instrument : MSVOA\_X  
 ClientSampleId : STORAGE-BLANK-SOIL-REF-6

Tgt Ion:117 Resp: 197580

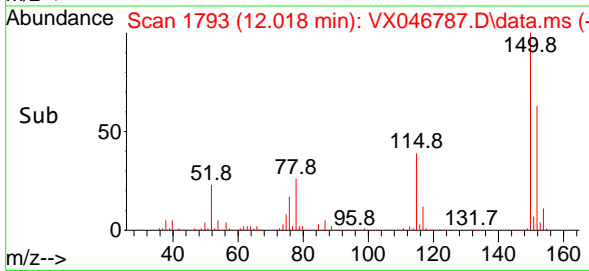
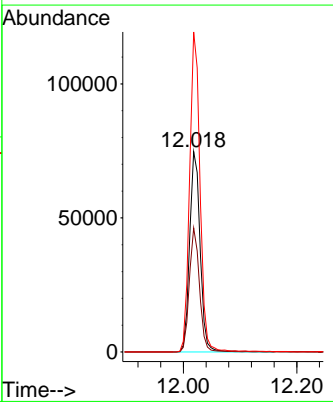
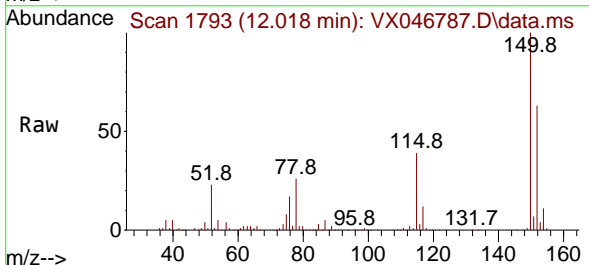
Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.6	66.8
119	31.1	25.8	38.8

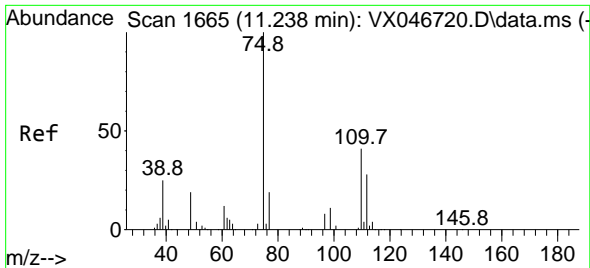


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.018 min Scan# 1793  
 Delta R.T. -0.000 min  
 Lab File: VX046787.D  
 Acq: 20 Jun 2025 16:58

Tgt Ion:152 Resp: 95993

Ion	Ratio	Lower	Upper
152	100		
115	59.9	43.2	129.6
150	158.4	0.0	346.8

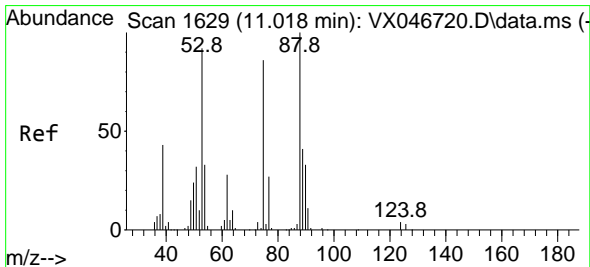
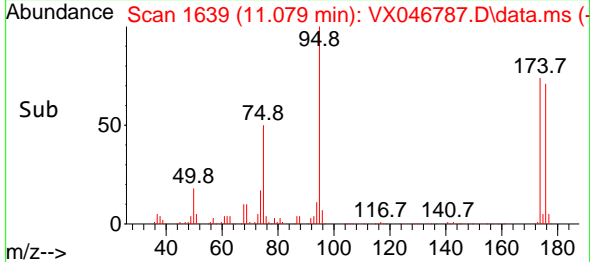
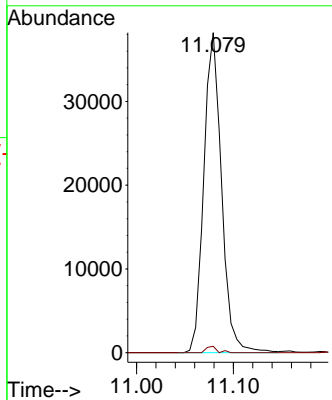
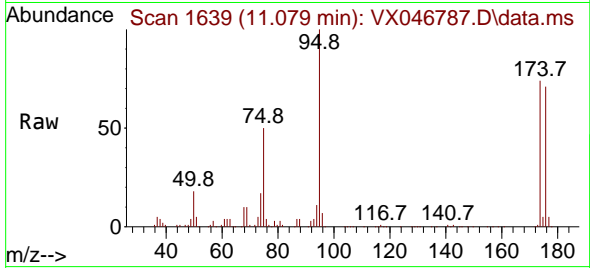




#76  
 1,2,3-Trichloropropane  
 Concen: 27.774 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.159 min  
 Lab File: VX046787.D  
 Acq: 20 Jun 2025 16:58

Instrument : MSVOA\_X  
 ClientSampleId : STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 75 Resp: 48830  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 18.5 55.5#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 78.505 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. 0.061 min  
 Lab File: VX046787.D  
 Acq: 20 Jun 2025 16:58

Tgt Ion: 75 Resp: 48830  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 86.8 130.2#  
 89 0.0 36.9 55.3#

