

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
 Data File : VN086299.D
 Acq On : 16 Apr 2025 16:03
 Operator : JC\MD
 Sample : Q1793-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Storage-Blank-SOIL-REF-6

Quant Time: Apr 17 03:07:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

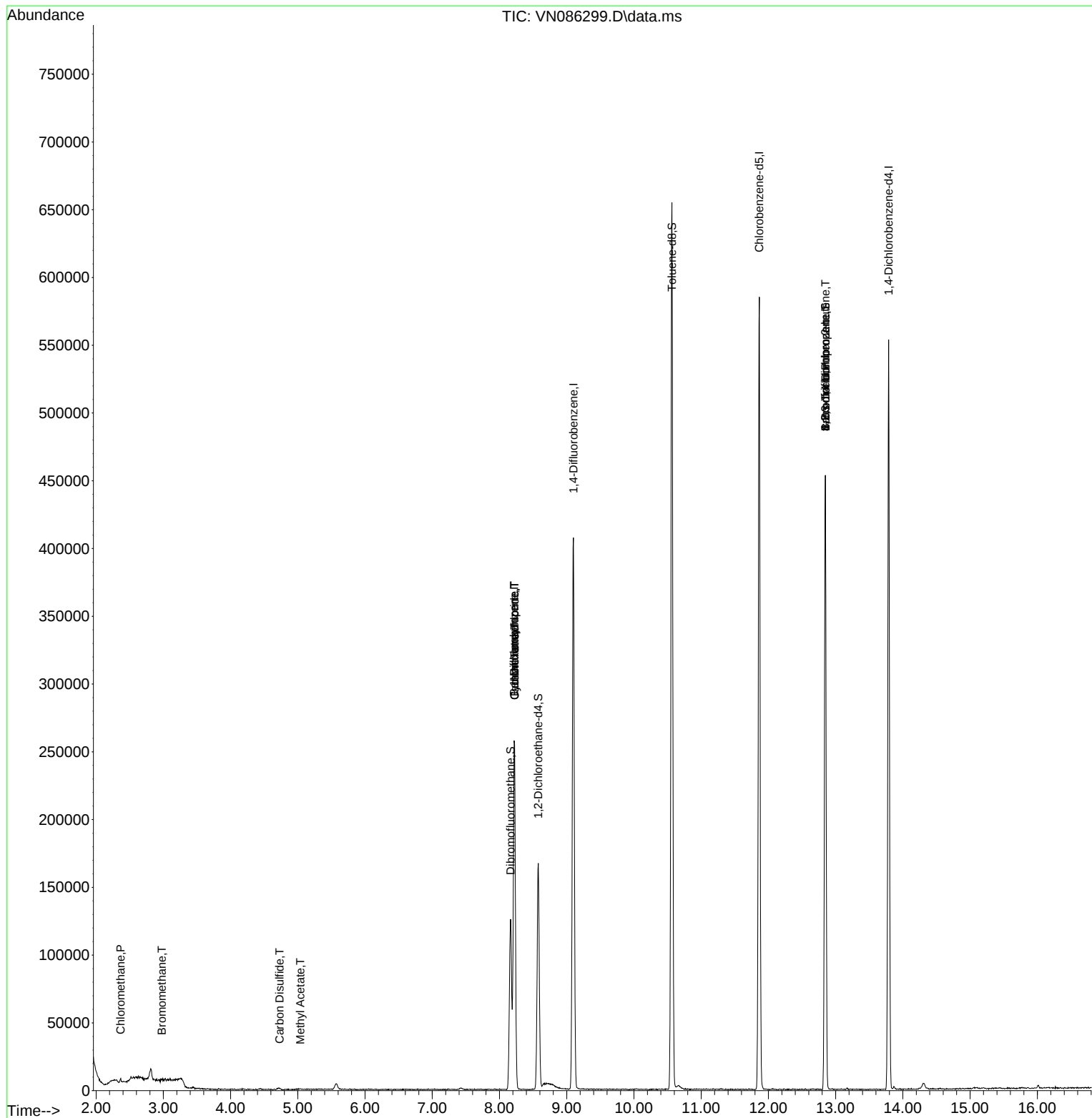
Internal Standards						
1) Pentafluorobenzene	8.218	168	186387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	365839	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	339739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	148157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	136113	50.360	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 100.720%		
35) Dibromofluoromethane	8.165	113	94036	55.383	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 110.760%		
50) Toluene-d8	10.565	98	460983	50.800	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 101.600%		
62) 4-Bromofluorobenzene	12.847	95	168047	50.772	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 101.540%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1642	0.511	ug/l	90
5) Bromomethane	2.977	94	505	0.366	ug/l #	48
13) Acrolein	4.171	56	56	Below Cal	#	13
16) Acetone	4.442	43	1969	Below Cal	#	43
17) Carbon Disulfide	4.730	76	1435	0.218	ug/l #	74
18) Methyl Acetate	5.036	43	1388	0.428	ug/l #	51
31) Cyclohexane	8.224	56	4560	1.041	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	16237	4.788	ug/l #	49
38) Carbon Tetrachloride	8.224	117	19132	5.924	ug/l #	16
43) Isopropyl Acetate	8.694	43	5140	Below Cal	#	55
71) Bromoform	12.847	173	816	0.433	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	85963	24.587	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	85963	59.049	ug/l #	10

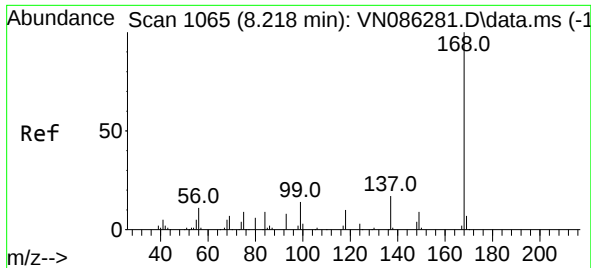
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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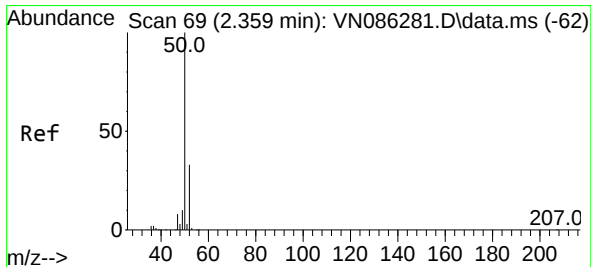
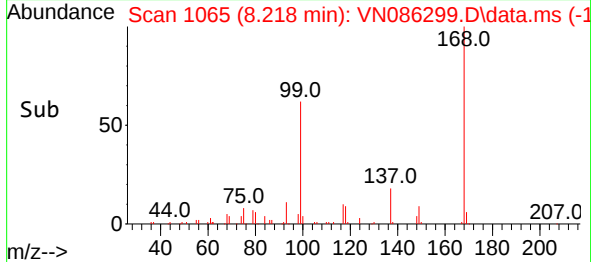
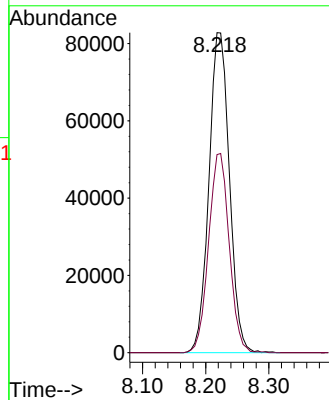
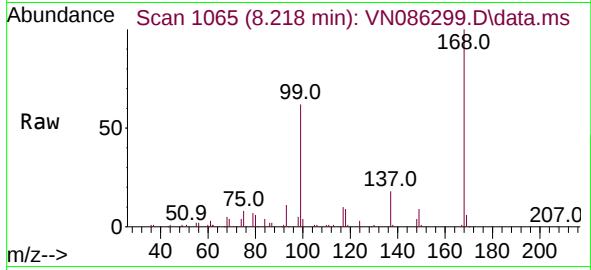




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086299.D
Acq: 16 Apr 2025 16:03

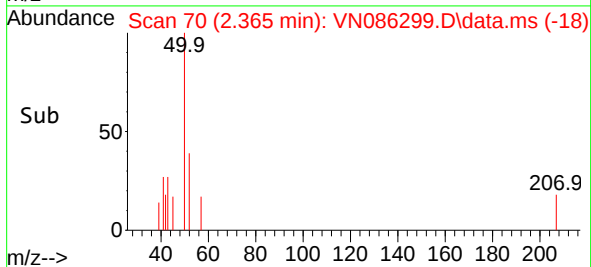
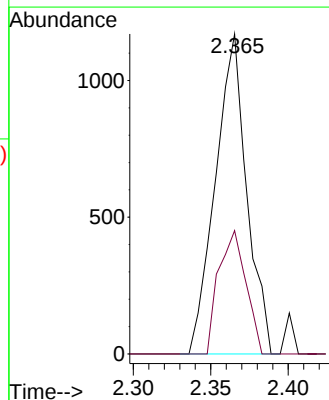
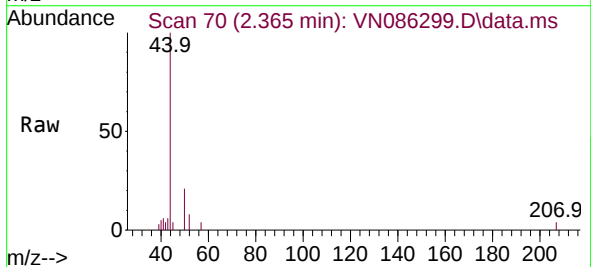
Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SOIL-REF-6

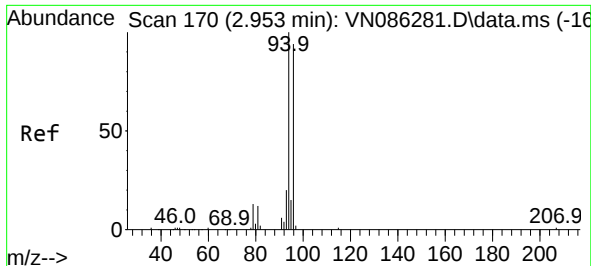
Tgt Ion:168 Resp: 186387
Ion Ratio Lower Upper
168 100
99 61.9 52.5 78.7



#3
Chloromethane
Concen: 0.511 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086299.D
Acq: 16 Apr 2025 16:03

Tgt Ion: 50 Resp: 1642
Ion Ratio Lower Upper
50 100
52 38.5 26.5 39.7

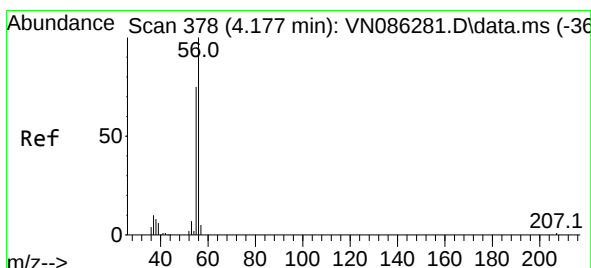
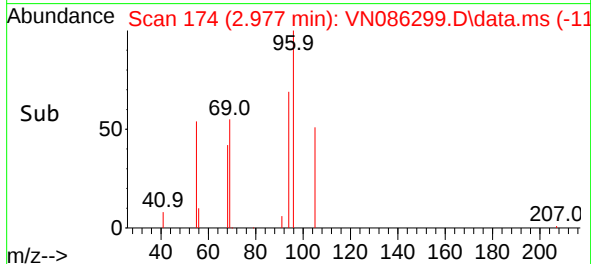
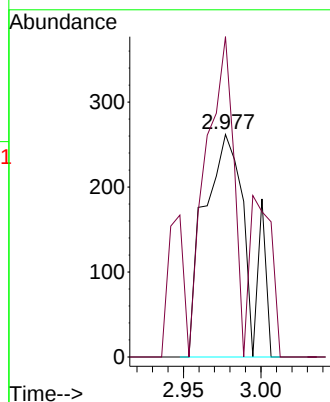
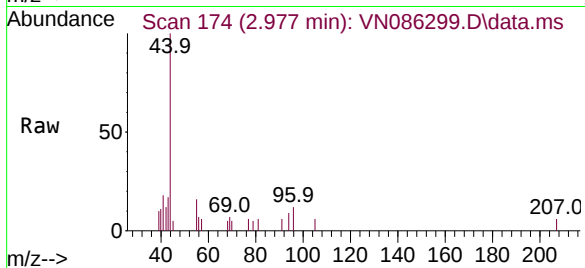




#5
Bromomethane
Concen: 0.366 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN086299.D
Acq: 16 Apr 2025 16:03

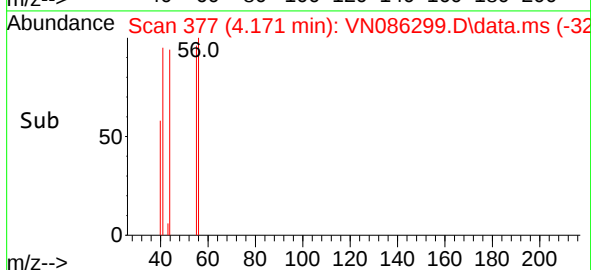
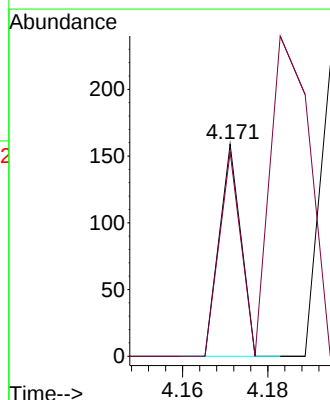
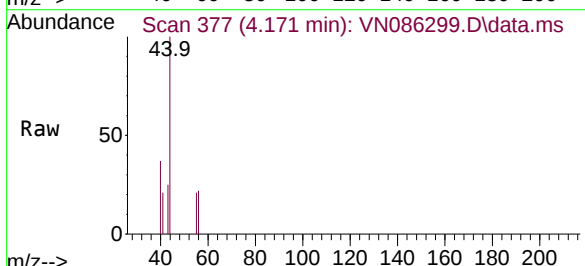
Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SOIL-REF-6

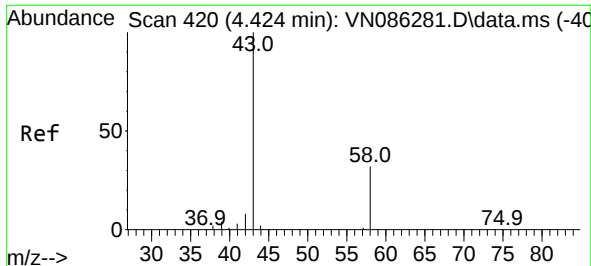
Tgt Ion: 94 Resp: 505
Ion Ratio Lower Upper
94 100
96 143.9 75.2 112.8#



#13
Acrolein
Concen: Below Cal
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN086299.D
Acq: 16 Apr 2025 16:03

Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 0.0 58.5 87.7#

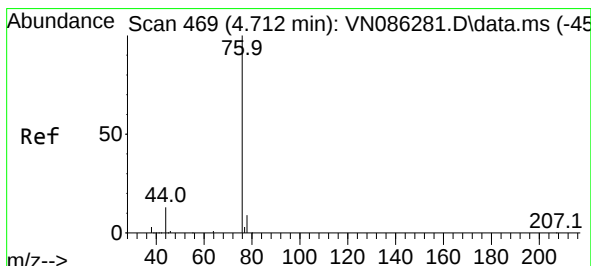
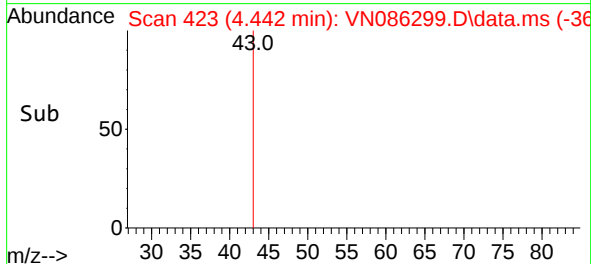
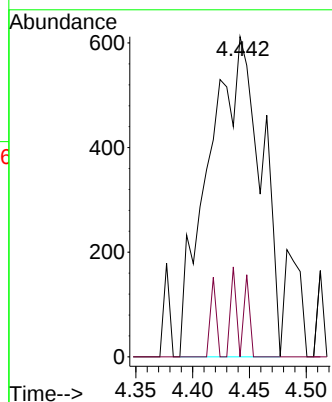
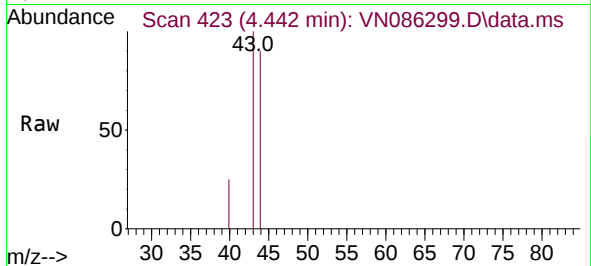




#16
Acetone
Concen: Below Cal
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN086299.D
Acq: 16 Apr 2025 16:03

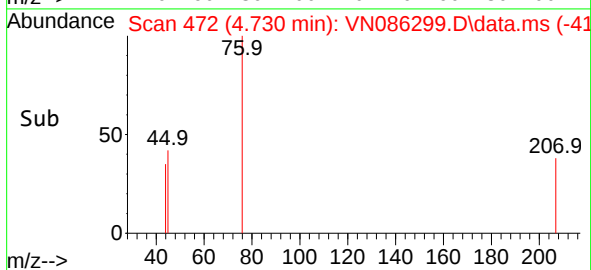
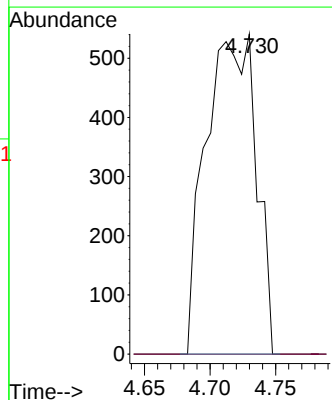
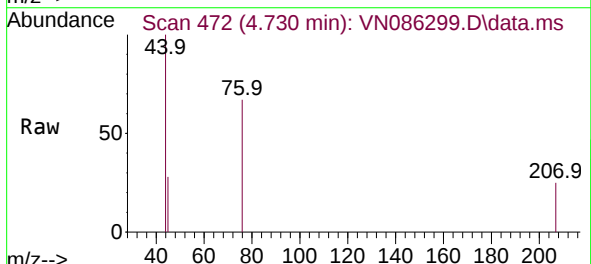
Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SOIL-REF-6

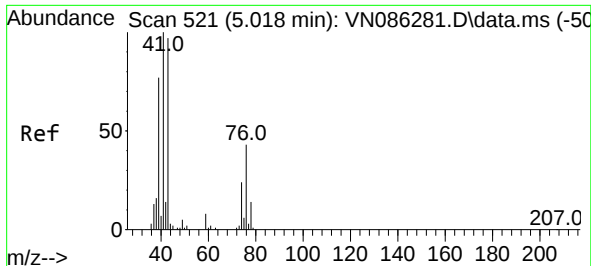
Tgt Ion: 43 Resp: 1969
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#



#17
Carbon Disulfide
Concen: 0.218 ug/l
RT: 4.730 min Scan# 472
Delta R.T. 0.018 min
Lab File: VN086299.D
Acq: 16 Apr 2025 16:03

Tgt Ion: 76 Resp: 1435
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#

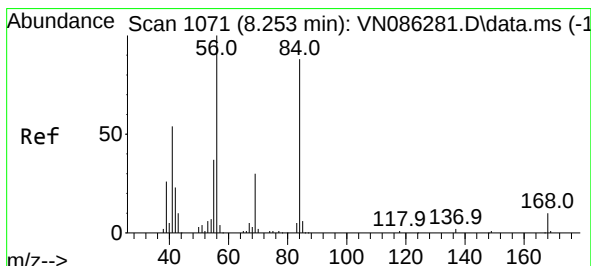
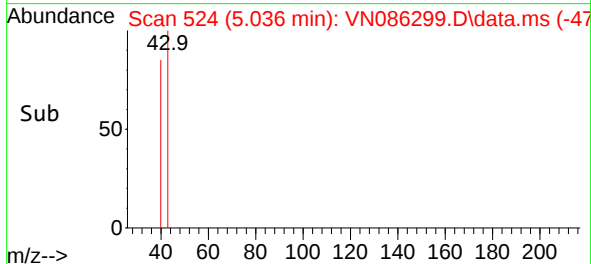
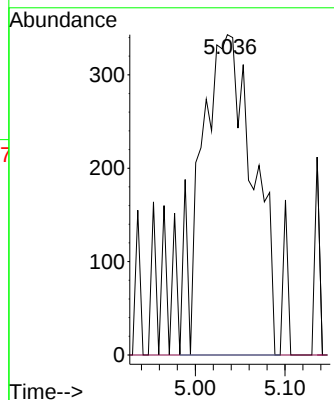
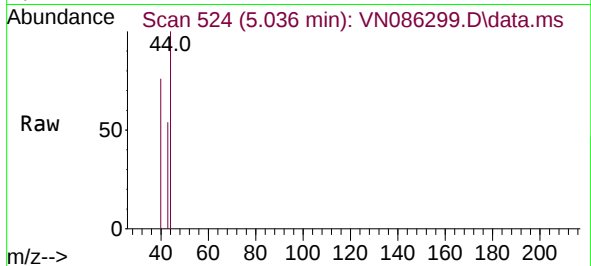




#18
Methyl Acetate
Concen: 0.428 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN086299.D
Acq: 16 Apr 2025 16:03

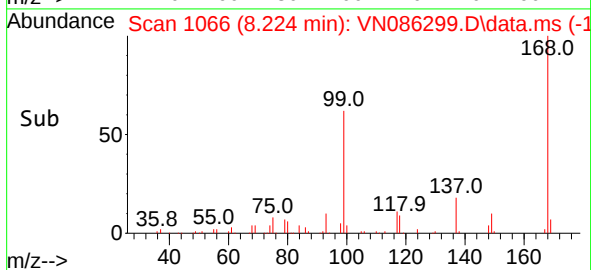
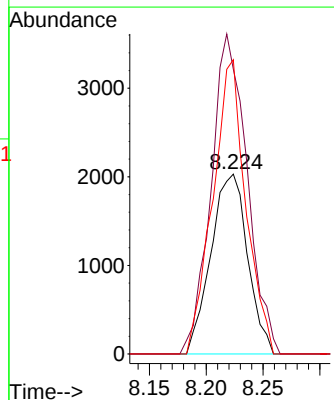
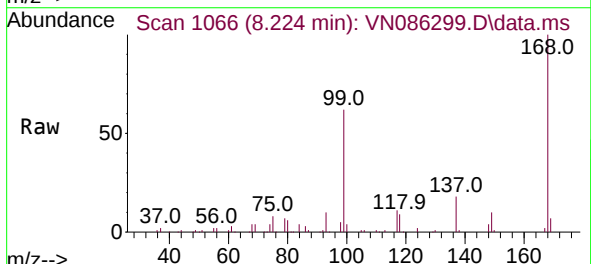
Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SOIL-REF-6

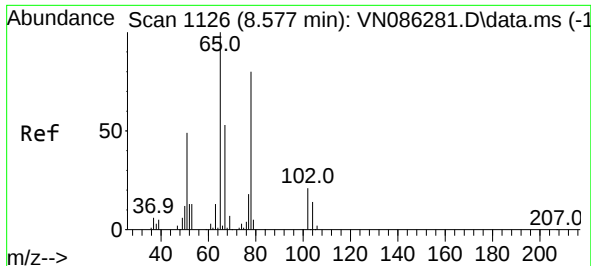
Tgt Ion: 43 Resp: 1388
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#



#31
Cyclohexane
Concen: 1.041 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086299.D
Acq: 16 Apr 2025 16:03

Tgt Ion: 56 Resp: 4560
Ion Ratio Lower Upper
56 100
69 158.3 24.2 36.2#
84 163.6 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 50.360 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086299.D

Acq: 16 Apr 2025 16:03

Instrument :

MSVOA_N

ClientSampleId :

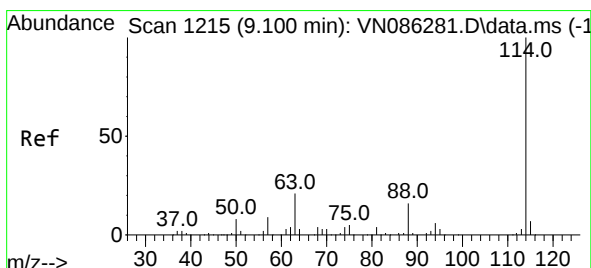
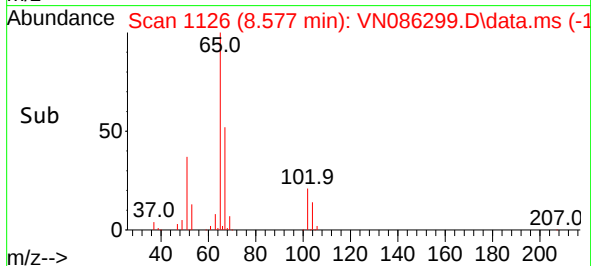
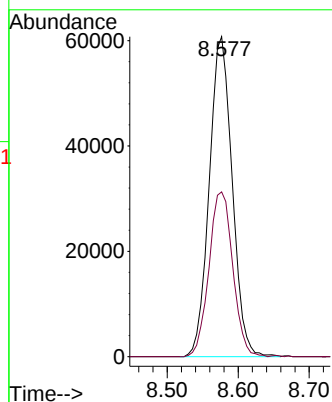
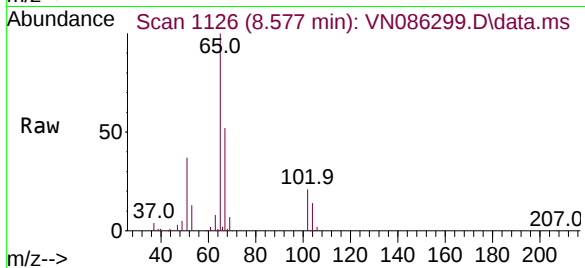
Storage-Blank-SOIL-REF-6

Tgt Ion: 65 Resp: 136113

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086299.D

Acq: 16 Apr 2025 16:03

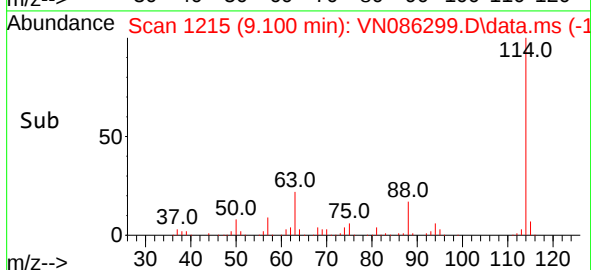
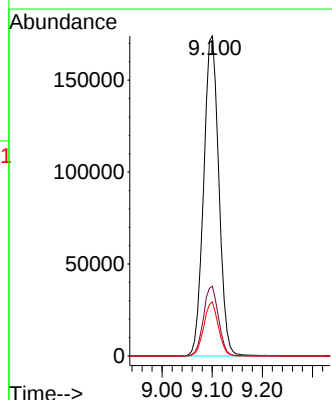
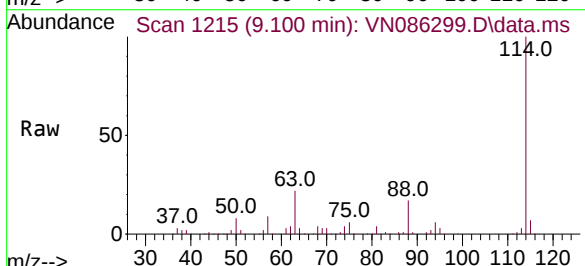
Tgt Ion: 114 Resp: 365839

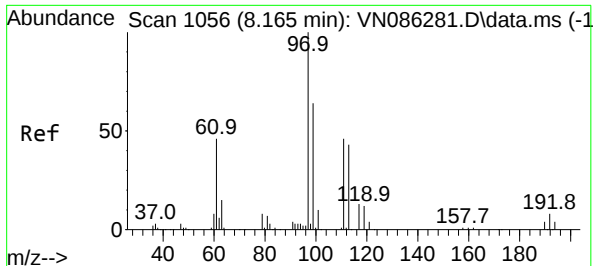
Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.6

88 16.9 0.0 31.8

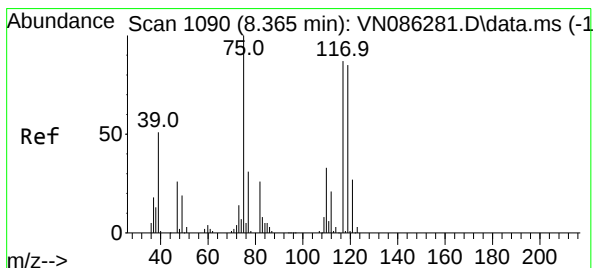
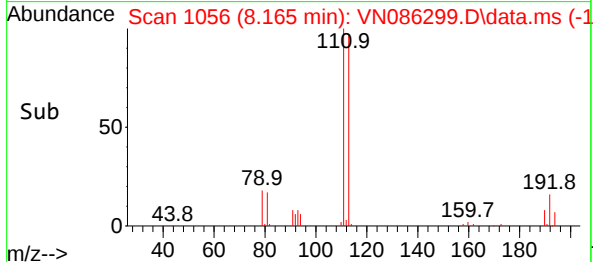
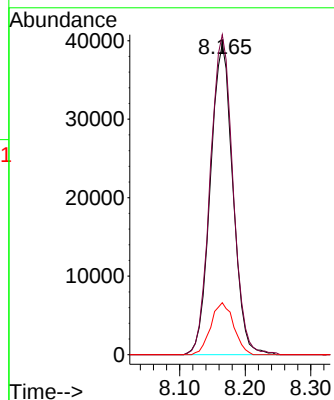
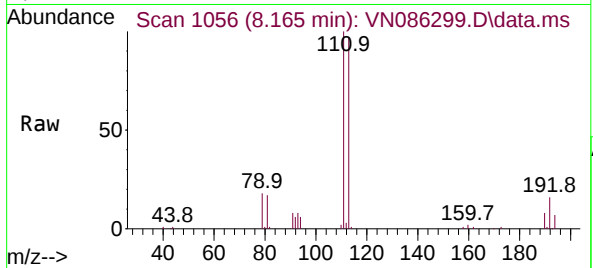




#35
Dibromofluoromethane
Concen: 55.383 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086299.D
Acq: 16 Apr 2025 16:03

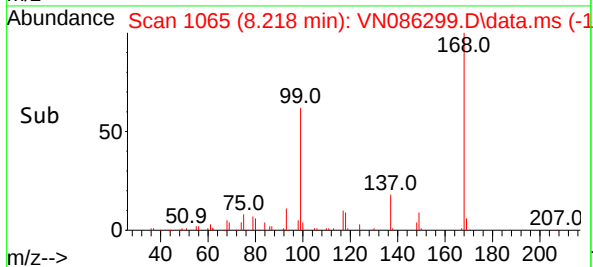
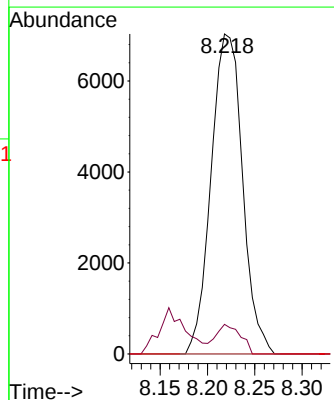
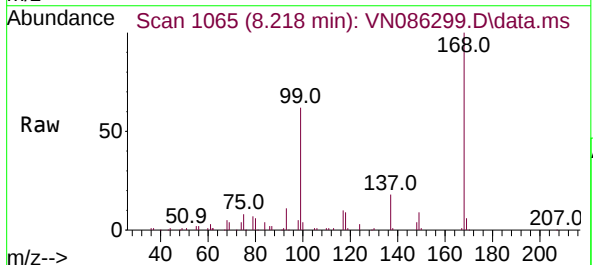
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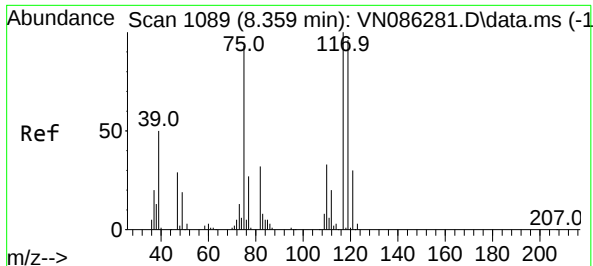
Tgt Ion:113 Resp: 94036
Ion Ratio Lower Upper
113 100
111 104.2 83.4 125.0
192 17.0 13.7 20.5



#36
1,1-Dichloropropene
Concen: 4.788 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086299.D
Acq: 16 Apr 2025 16:03

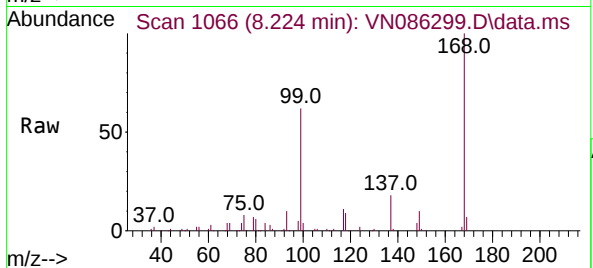
Tgt Ion: 75 Resp: 16237
Ion Ratio Lower Upper
75 100
110 7.1 16.8 50.4#
77 0.0 24.9 37.3#



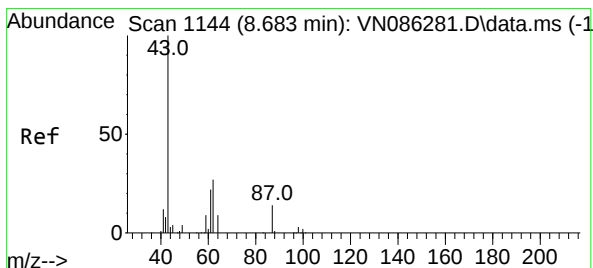
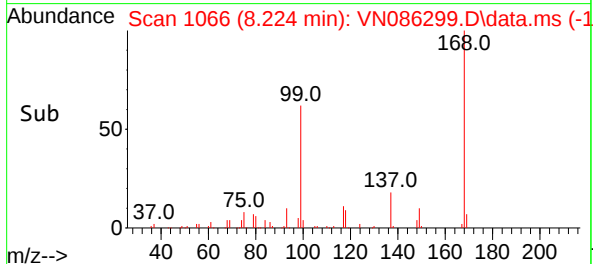
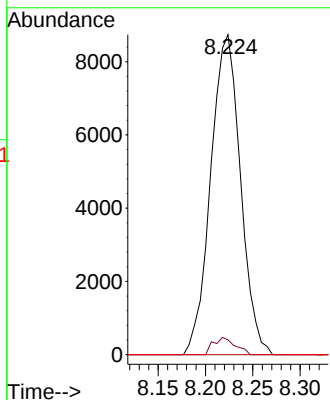


#38
Carbon Tetrachloride
Concen: 5.924 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN086299.D
Acq: 16 Apr 2025 16:03

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SOIL-REF-6

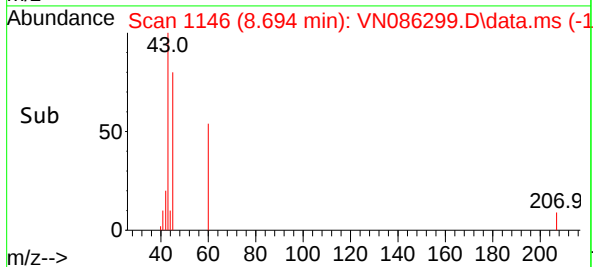
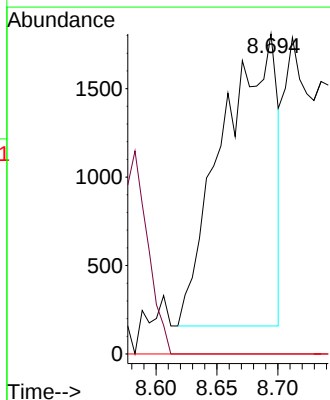
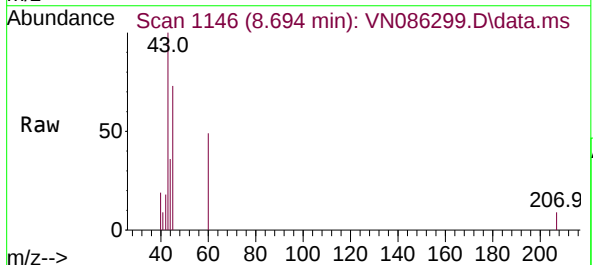


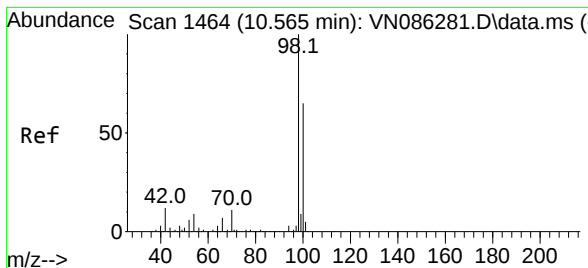
Tgt Ion:117 Resp: 19132
Ion Ratio Lower Upper
117 100
119 4.6 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.694 min Scan# 1146
Delta R.T. 0.011 min
Lab File: VN086299.D
Acq: 16 Apr 2025 16:03

Tgt Ion: 43 Resp: 5140
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#





#50

Toluene-d8

Concen: 50.800 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086299.D

Acq: 16 Apr 2025 16:03

Instrument :

MSVOA_N

ClientSampleId :

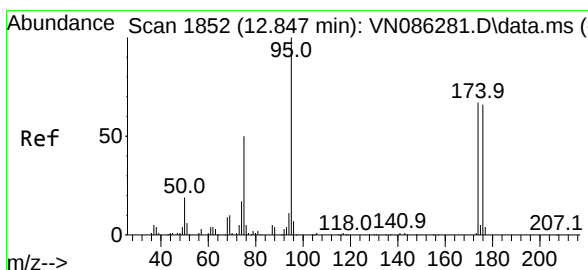
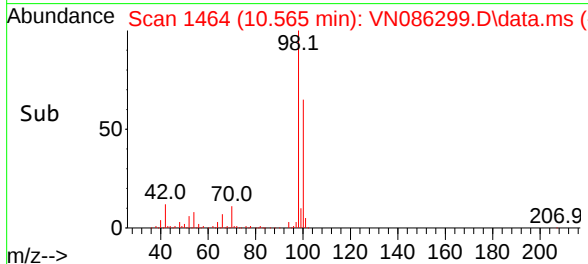
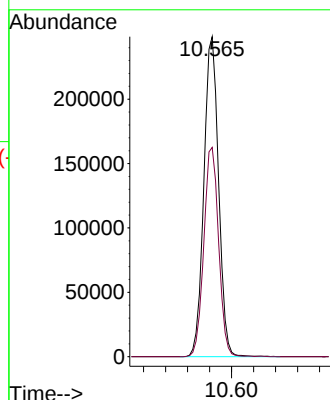
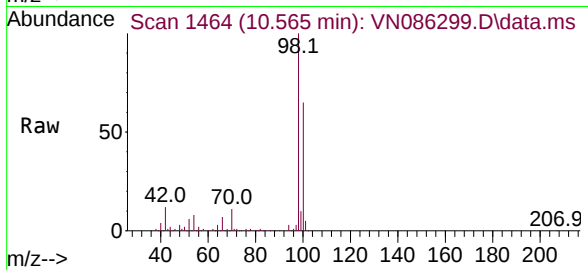
Storage-Blank-SOIL-REF-6

Tgt Ion: 98 Resp: 460983

Ion Ratio Lower Upper

98 100

100 65.8 52.5 78.7



#62

4-Bromofluorobenzene

Concen: 50.772 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN086299.D

Acq: 16 Apr 2025 16:03

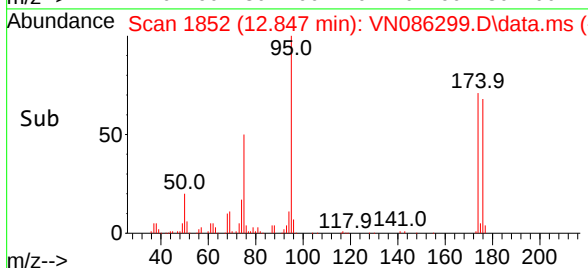
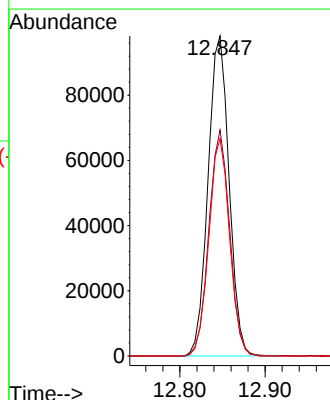
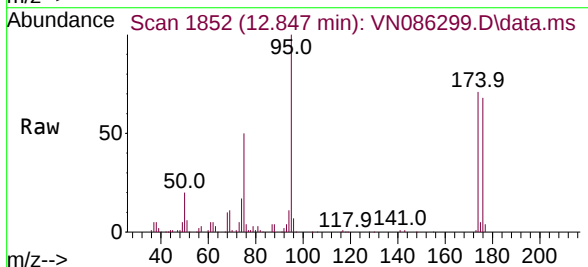
Tgt Ion: 95 Resp: 168047

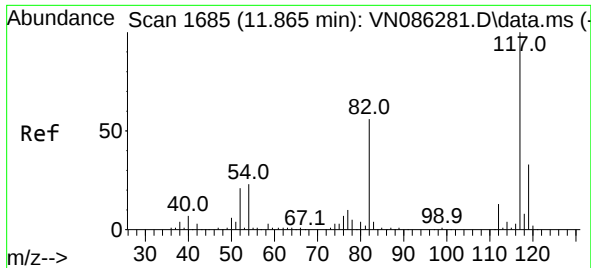
Ion Ratio Lower Upper

95 100

174 69.6 0.0 133.4

176 66.8 0.0 129.2

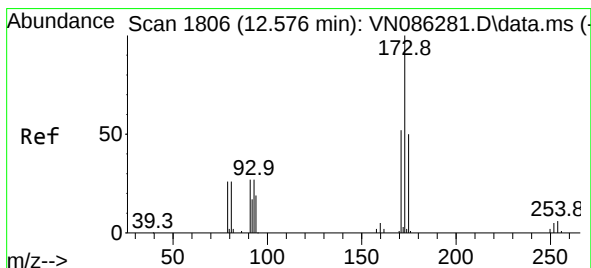
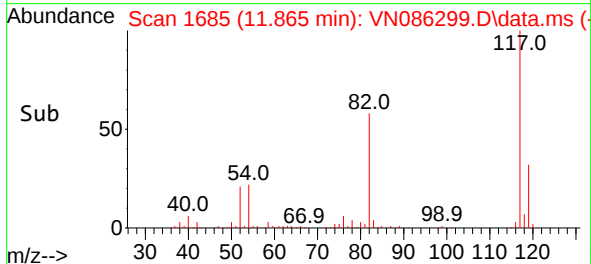
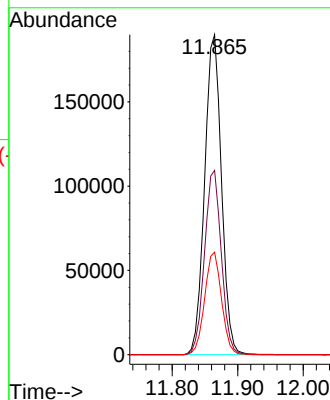
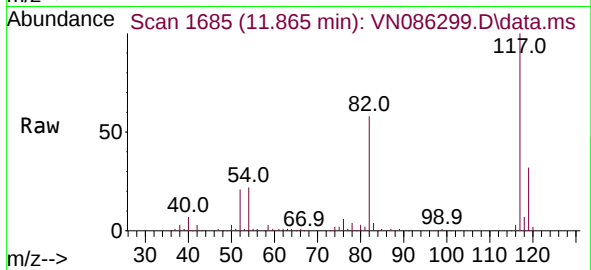




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086299.D
Acq: 16 Apr 2025 16:03

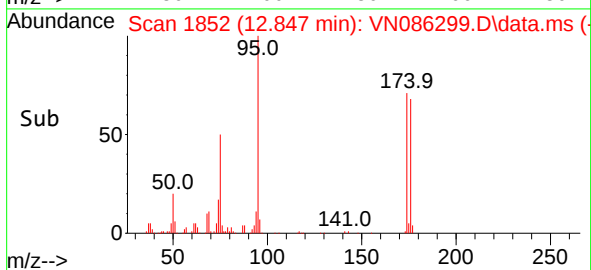
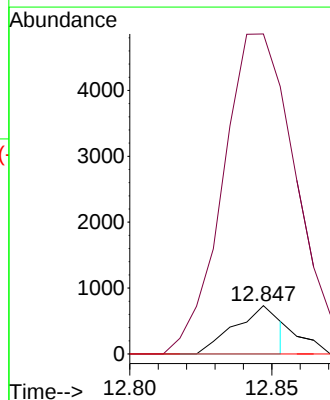
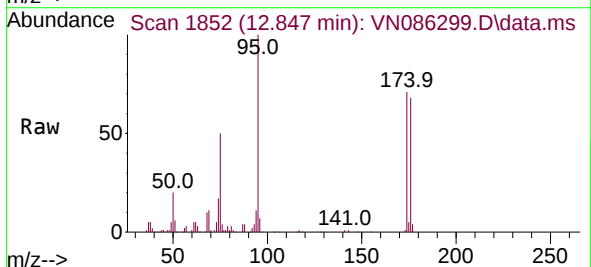
Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SOIL-REF-6

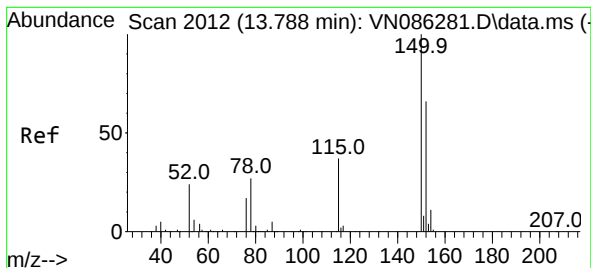
Tgt Ion:117 Resp: 339739
Ion Ratio Lower Upper
117 100
82 57.6 44.7 67.1
119 32.0 26.4 39.6



#71
Bromoform
Concen: 0.433 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN086299.D
Acq: 16 Apr 2025 16:03

Tgt Ion:173 Resp: 816
Ion Ratio Lower Upper
173 100
175 855.9 24.6 73.6#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN086299.D

Acq: 16 Apr 2025 16:03

Instrument :

MSVOA_N

ClientSampleId :

Storage-Blank-SOIL-REF-6

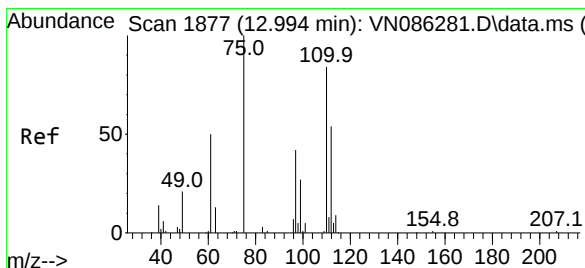
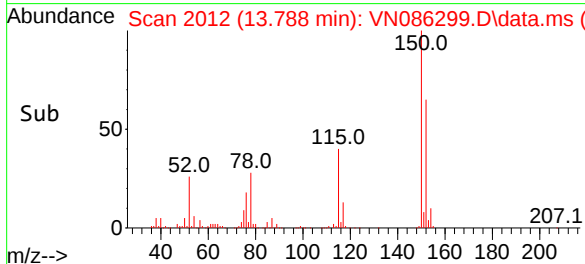
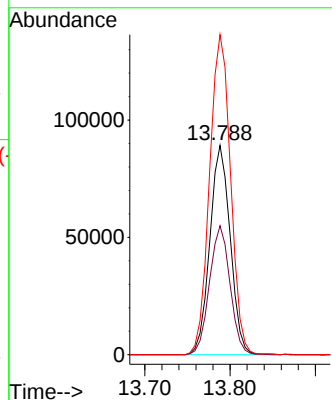
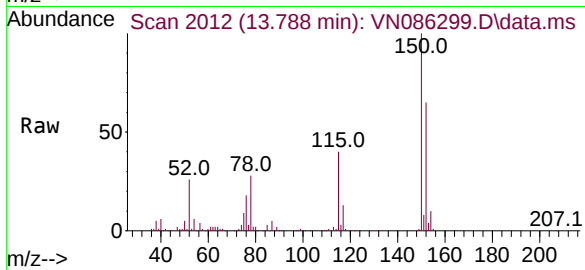
Tgt Ion:152 Resp: 148157

Ion Ratio Lower Upper

152 100

115 61.9 31.9 95.9

150 157.5 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 24.587 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086299.D

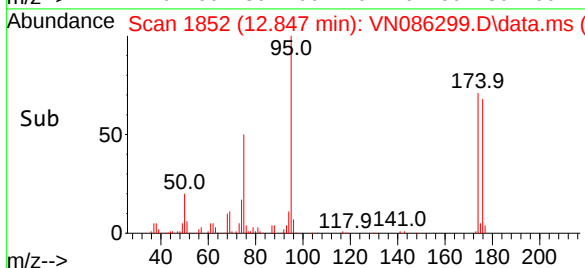
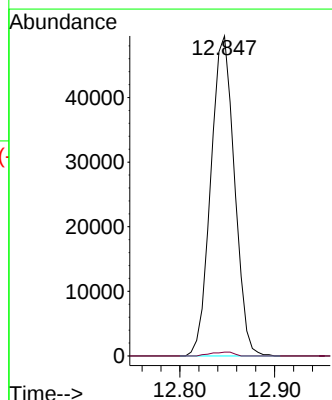
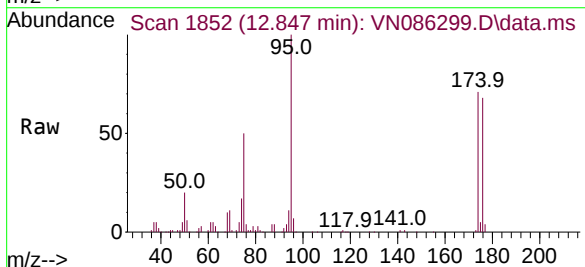
Acq: 16 Apr 2025 16:03

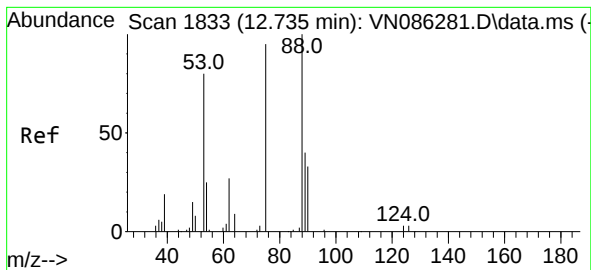
Tgt Ion: 75 Resp: 85963

Ion Ratio Lower Upper

75 100

77 1.2 98.8 296.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.049 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086299.D
 Acq: 16 Apr 2025 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 Storage-Blank-SOIL-REF-6

Tgt Ion: 75 Resp: 85963
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.2 118.8#
 89 0.0 35.7 53.5#

