

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088096.D
 Acq On : 24 Oct 2025 15:59
 Operator : JC\MD
 Sample : Q3463-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Oct 25 01:07:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

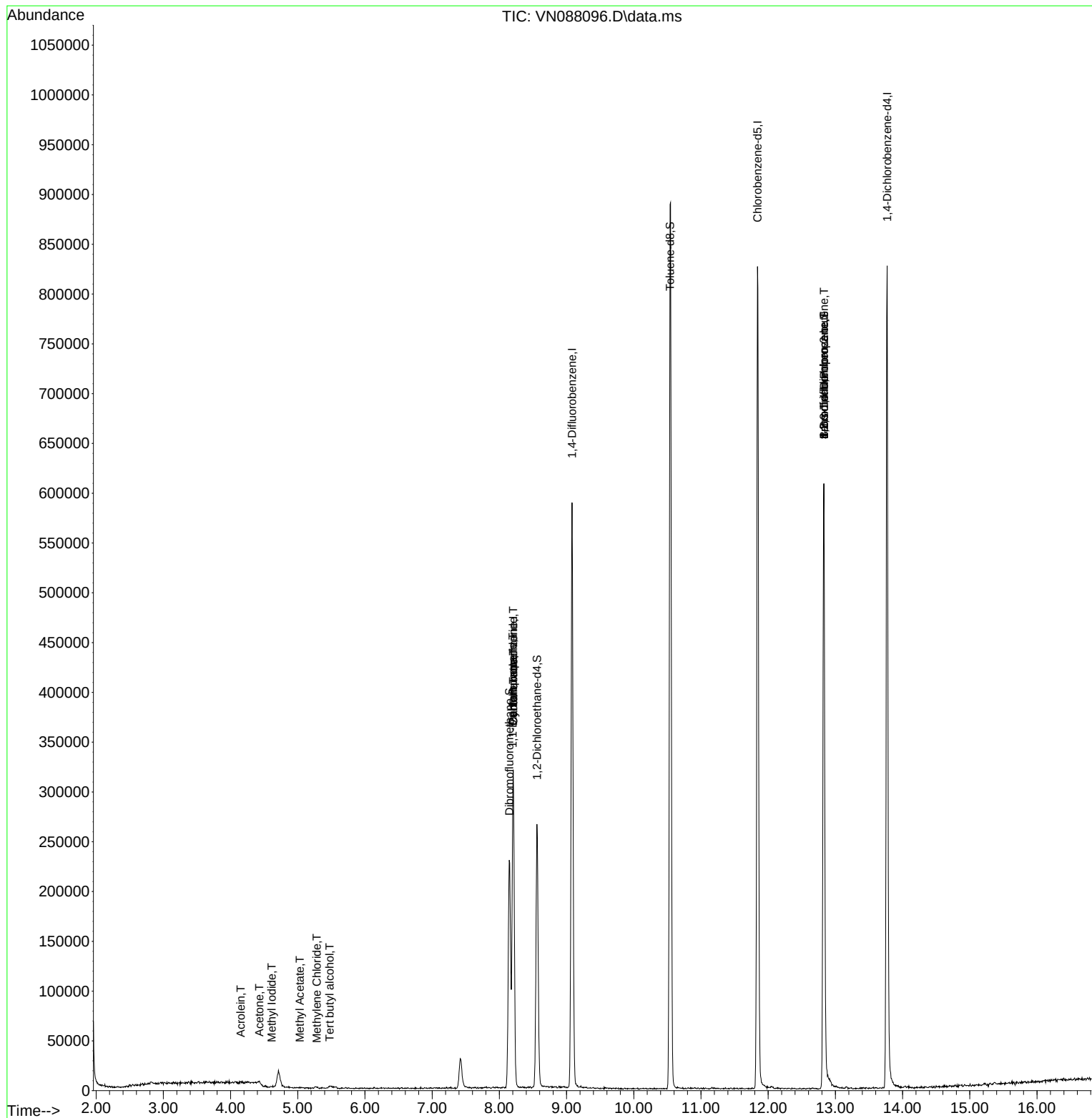
Internal Standards						
1) Pentafluorobenzene	8.206	168	213039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	478121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	452361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	215681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	221129	60.026	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.060%			
35) Dibromofluoromethane	8.147	113	169179	52.670	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.340%			
50) Toluene-d8	10.541	98	610839	49.355	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.700%			
62) 4-Bromofluorobenzene	12.829	95	231255	52.907	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.820%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.612	142	62	4.234	ug/l #	38
11) Tert butyl alcohol	5.477	59	2201	3.468	ug/l #	71
13) Acrolein	4.153	56	146	0.205	ug/l #	1
16) Acetone	4.430	43	7820	4.225	ug/l #	80
18) Methyl Acetate	5.030	43	997	0.263	ug/l #	54
20) Methylene Chloride	5.283	84	958	1.100	ug/l #	57
31) Cyclohexane	8.206	56	7024	1.362	ug/l #	17
36) 1,1-Dichloropropene	8.200	75	21951	4.680	ug/l #	51
38) Carbon Tetrachloride	8.206	117	25025	5.166	ug/l #	16
71) Bromoform	12.829	173	1679	0.669	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	135946	27.569	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	135946	76.904	ug/l #	1

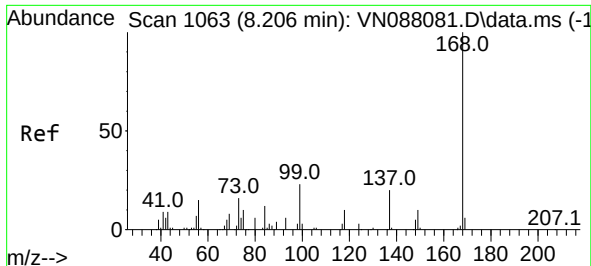
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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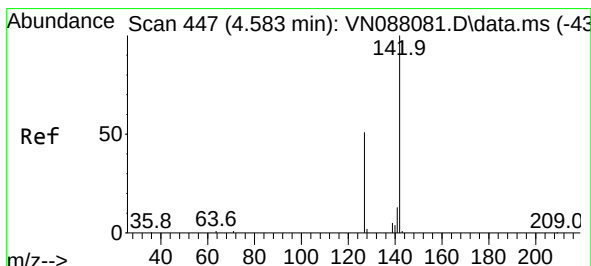
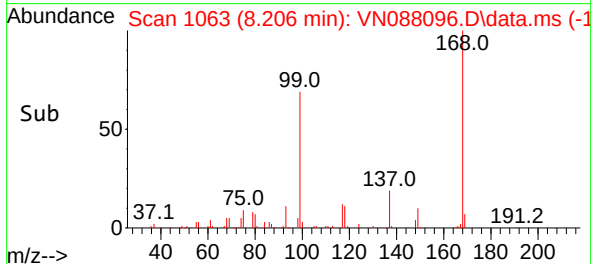
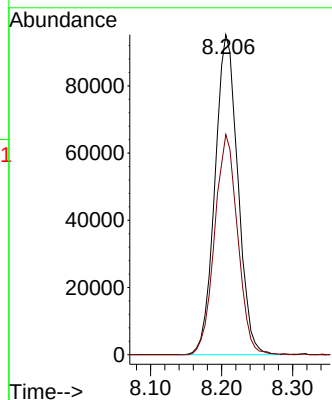
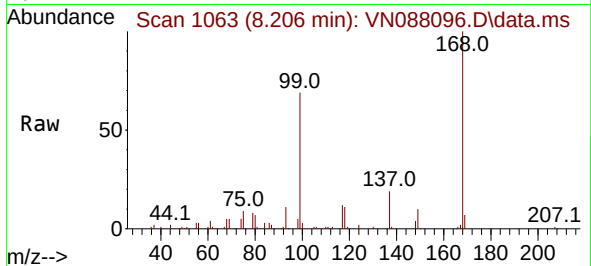




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

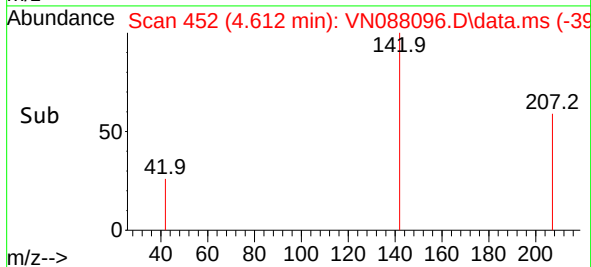
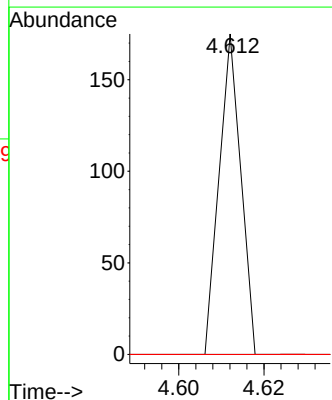
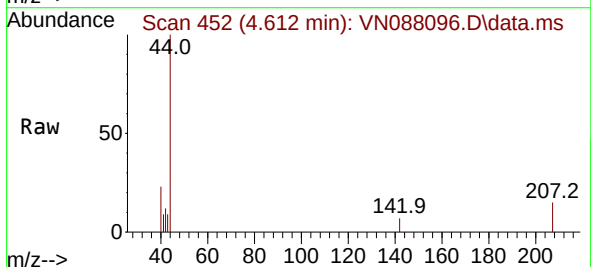
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

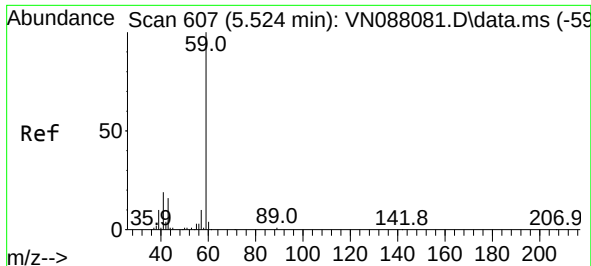
Tgt Ion:168 Resp: 213039
Ion Ratio Lower Upper
168 100
99 68.8 57.2 85.8



#10
Methyl Iodide
Concen: 4.234 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.035 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

Tgt Ion:142 Resp: 62
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#

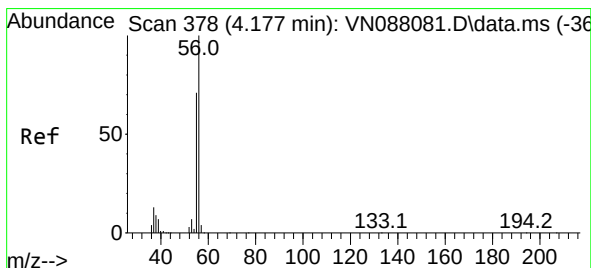
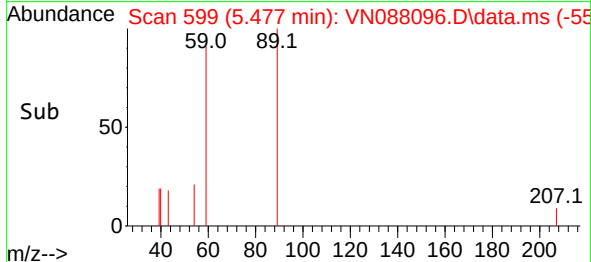
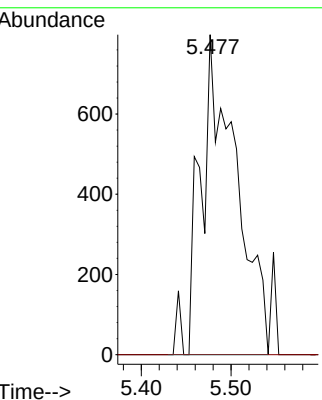
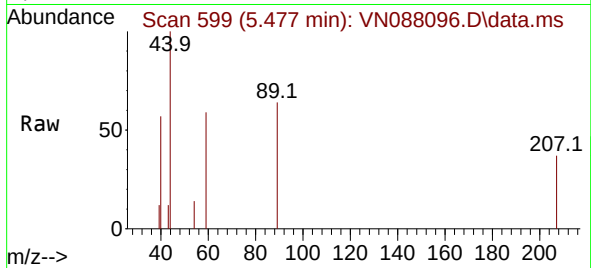




#11
Tert butyl alcohol
Concen: 3.468 ug/l
RT: 5.477 min Scan# 59
Delta R.T. -0.041 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

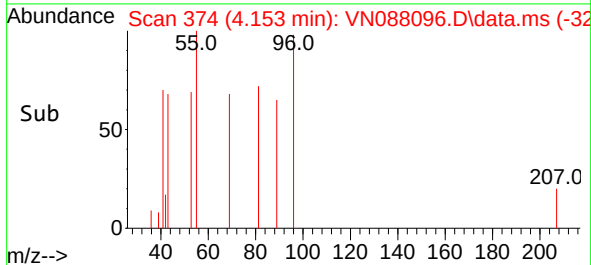
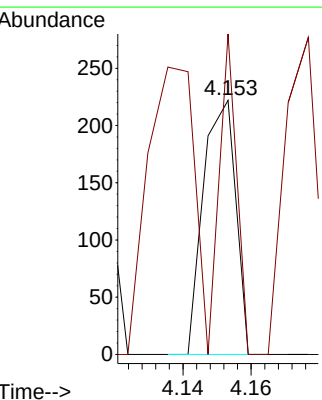
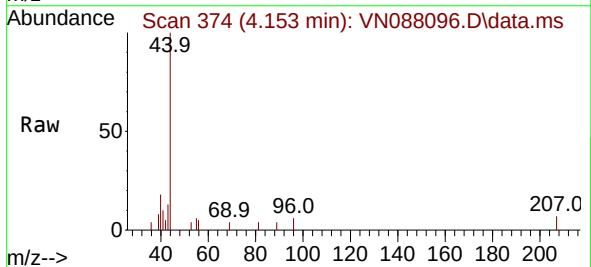
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

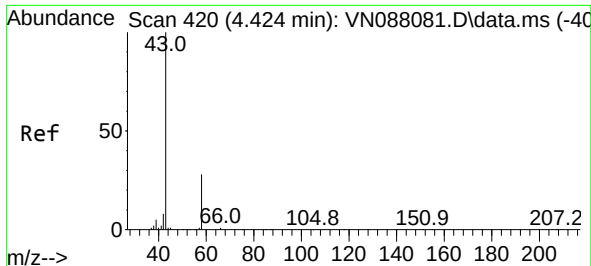
Tgt Ion: 59 Resp: 2201
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#13
Acrolein
Concen: 0.205 ug/l
RT: 4.153 min Scan# 374
Delta R.T. -0.018 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

Tgt Ion: 56 Resp: 146
Ion Ratio Lower Upper
56 100
55 163.0 57.3 85.9#

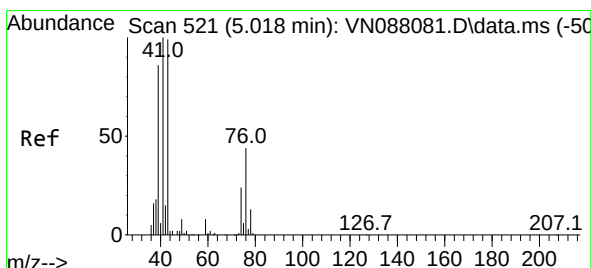
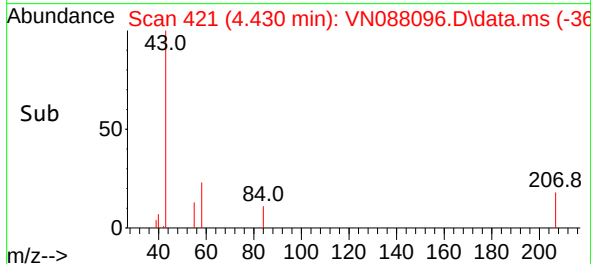
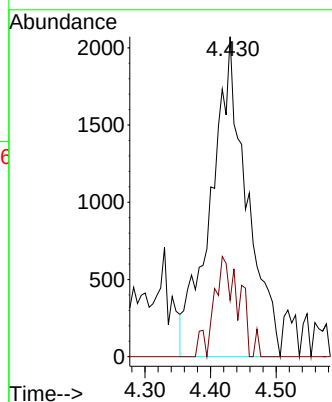
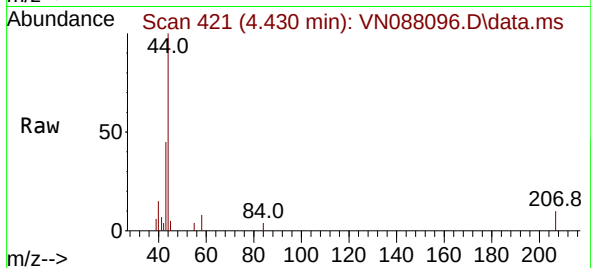




#16
Acetone
Concen: 4.225 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

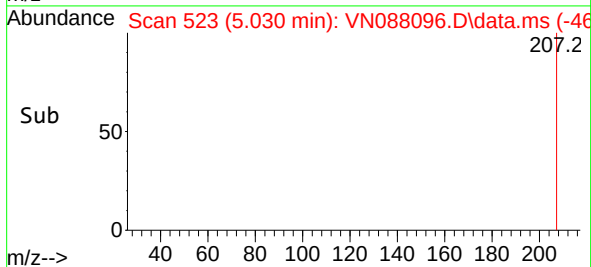
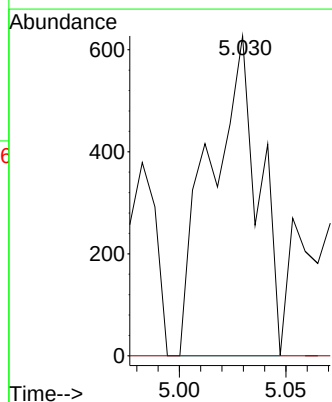
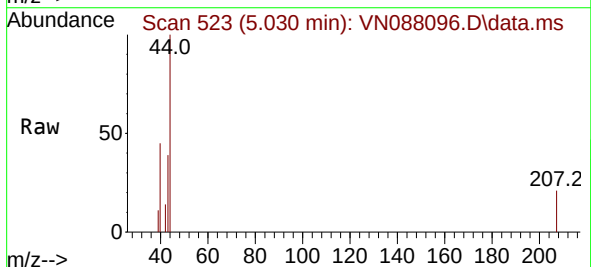
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

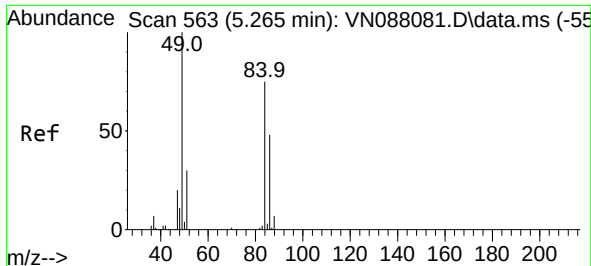
Tgt Ion: 43 Resp: 7820
Ion Ratio Lower Upper
43 100
58 17.6 22.6 33.8#



#18
Methyl Acetate
Concen: 0.263 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.017 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

Tgt Ion: 43 Resp: 997
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#

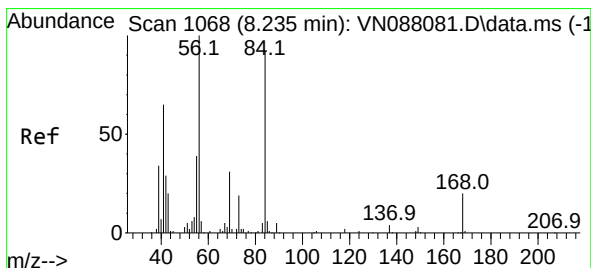
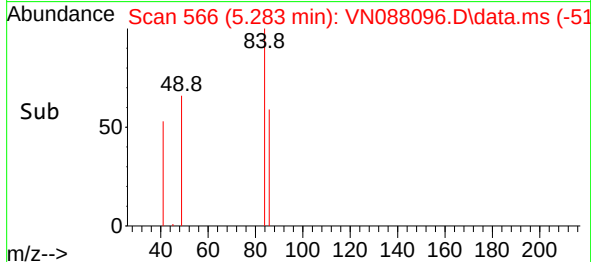
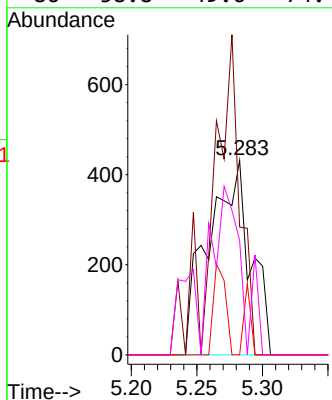
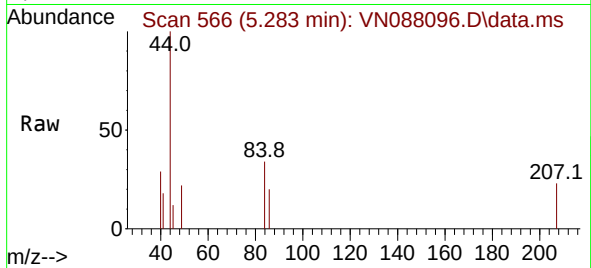




#20
Methylene Chloride
Concen: 1.100 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

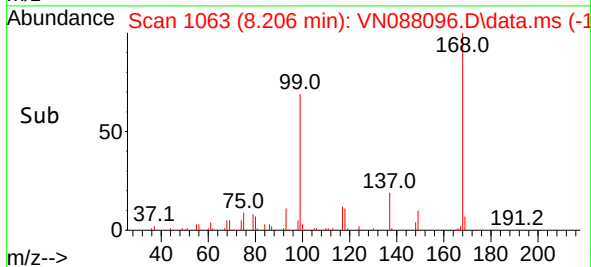
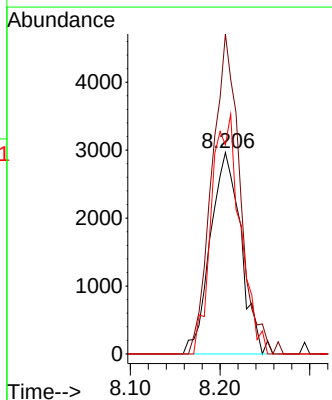
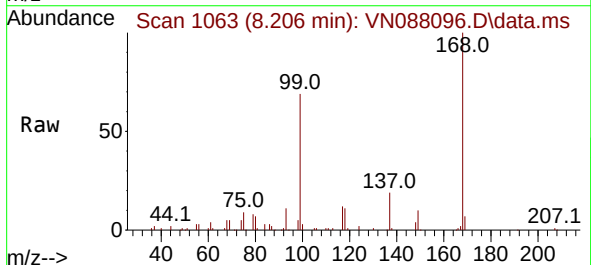
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

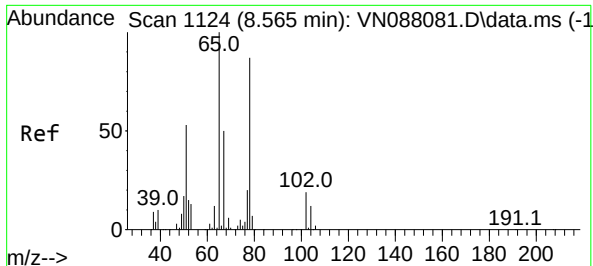
Tgt Ion:	84	Resp:	958
Ion	Ratio	Lower	Upper
84	100		
49	65.7	103.4	155.2#
51	0.0	33.8	50.8#
86	58.8	49.6	74.4



#31
Cyclohexane
Concen: 1.362 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

Tgt Ion:	56	Resp:	7024
Ion	Ratio	Lower	Upper
56	100		
69	158.9	23.7	35.5#
84	103.7	64.7	97.1#





#33

1,2-Dichloroethane-d4

Concen: 60.026 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088096.D

Acq: 24 Oct 2025 15:59

Instrument :

MSVOA_N

ClientSampleId :

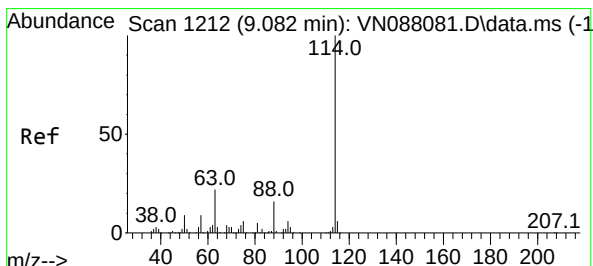
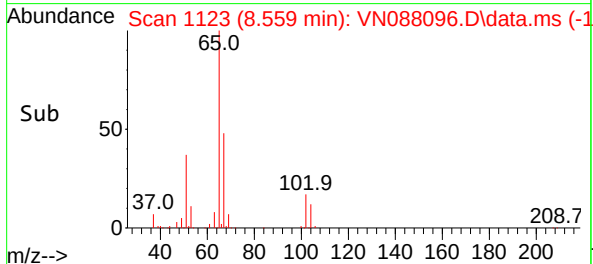
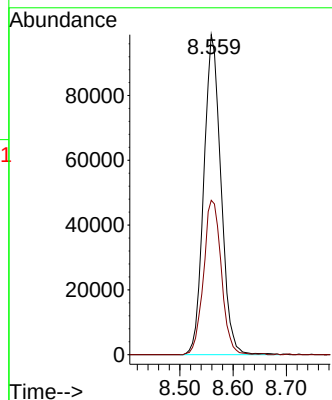
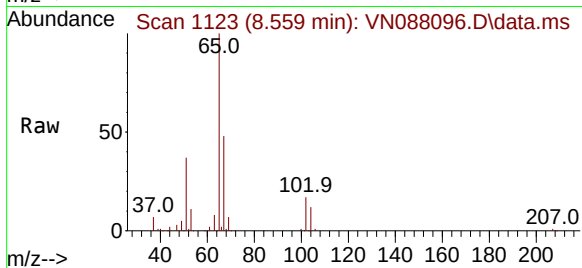
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 221129

Ion Ratio Lower Upper

65 100

67 49.9 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088096.D

Acq: 24 Oct 2025 15:59

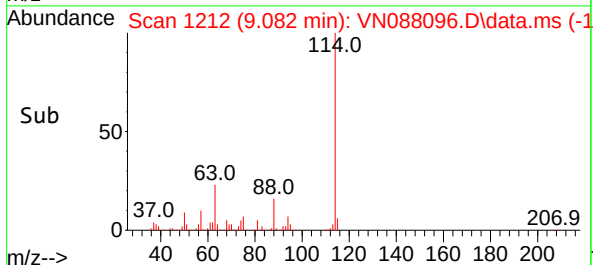
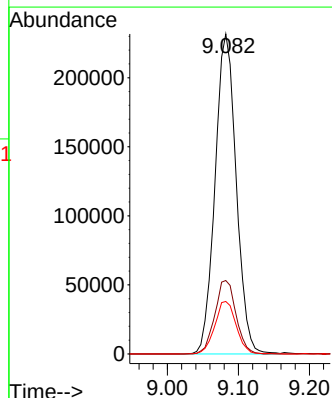
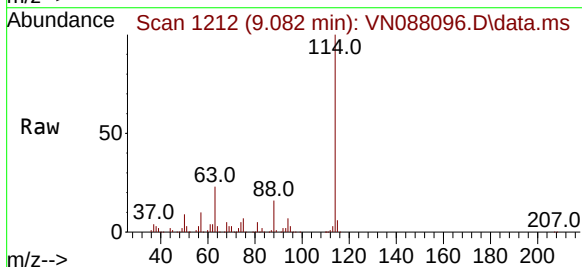
Tgt Ion: 114 Resp: 478121

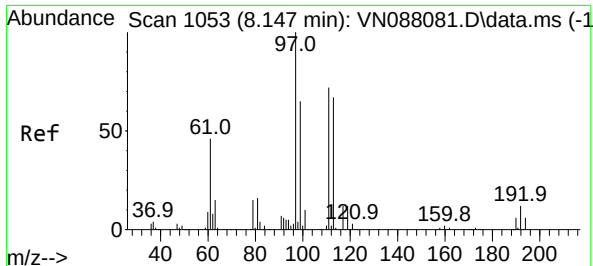
Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.2

88 16.4 0.0 33.4

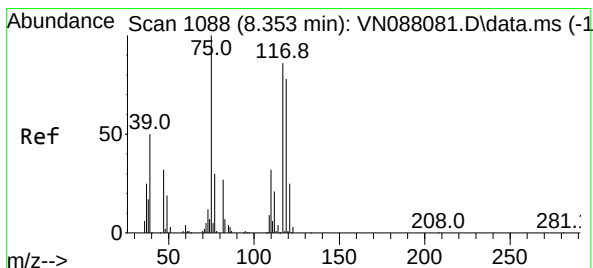
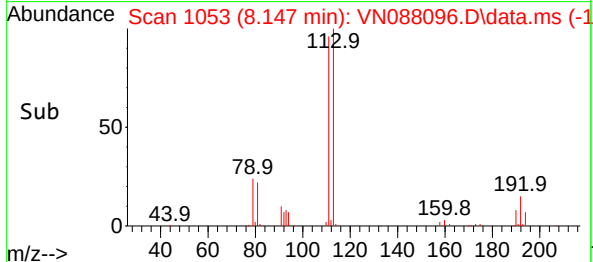
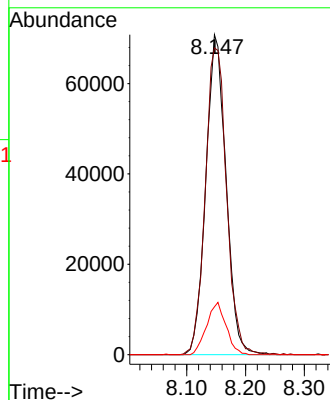
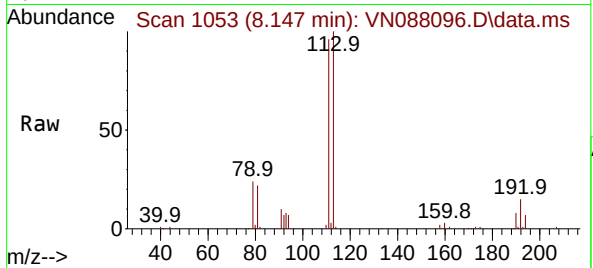




#35
Dibromofluoromethane
Concen: 52.670 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

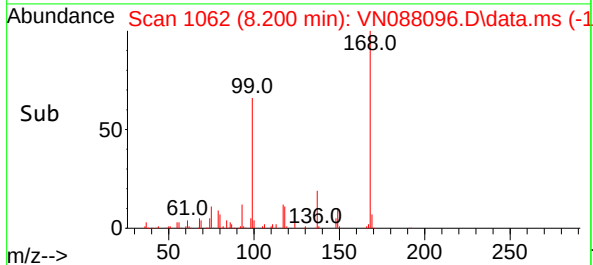
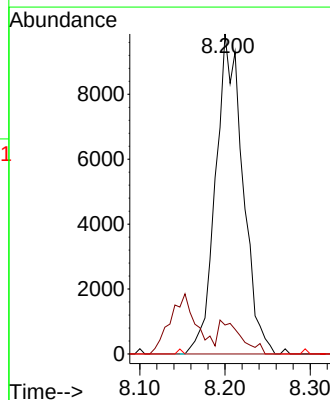
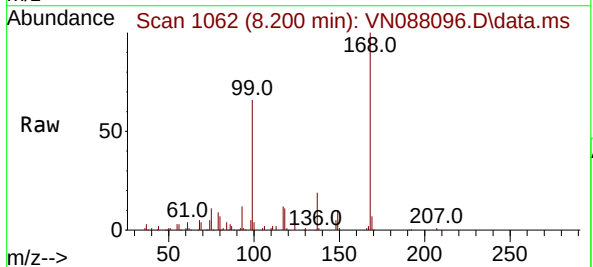
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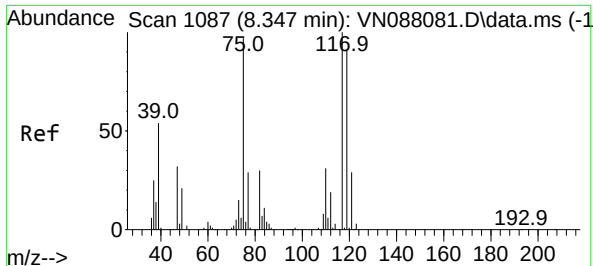
Tgt Ion:113 Resp: 169179
Ion Ratio Lower Upper
113 100
111 101.0 82.8 124.2
192 15.8 12.8 19.2



#36
1,1-Dichloropropene
Concen: 4.680 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.153 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

Tgt Ion: 75 Resp: 21951
Ion Ratio Lower Upper
75 100
110 8.6 15.9 47.6#
77 0.0 24.4 36.6#

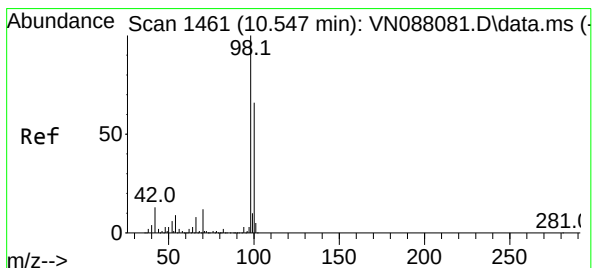
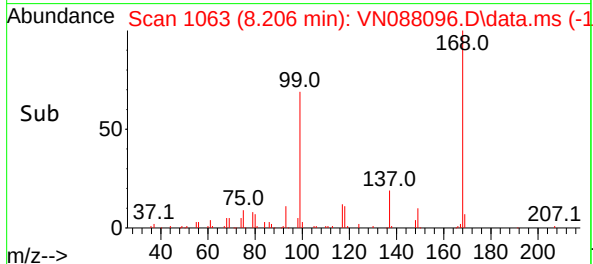
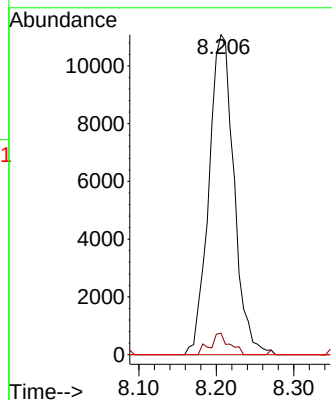
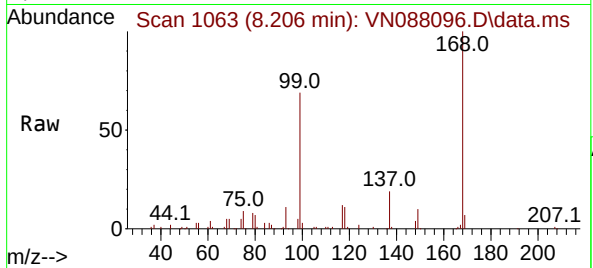




#38
Carbon Tetrachloride
Concen: 5.166 ug/l
RT: 8.206 min Scan# 1087
Delta R.T. -0.136 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

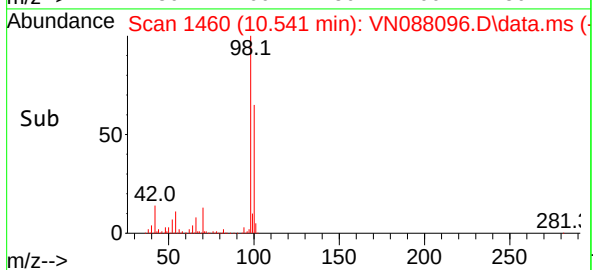
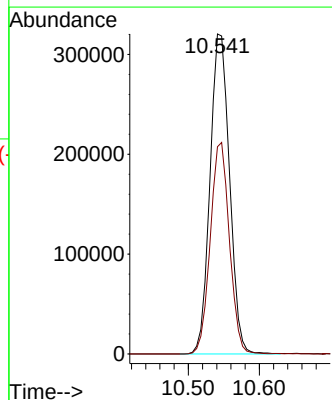
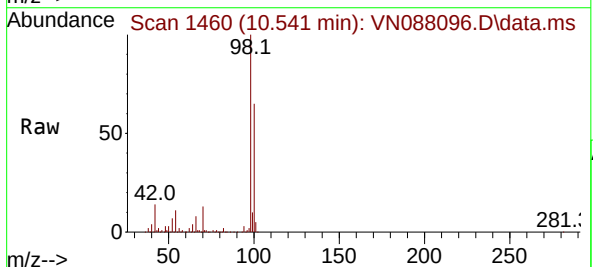
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

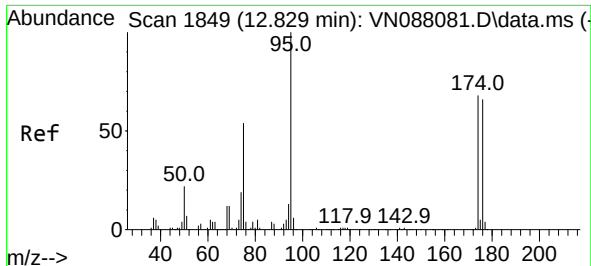
Tgt Ion:117 Resp: 25025
Ion Ratio Lower Upper
117 100
119 6.7 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 49.355 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

Tgt Ion: 98 Resp: 610839
Ion Ratio Lower Upper
98 100
100 64.8 52.8 79.2

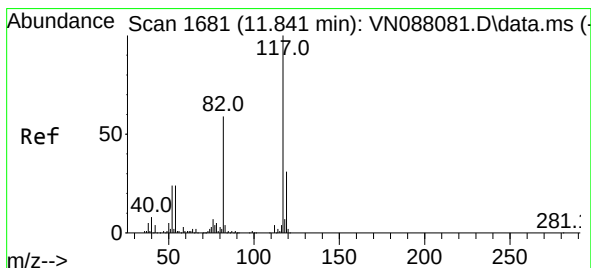
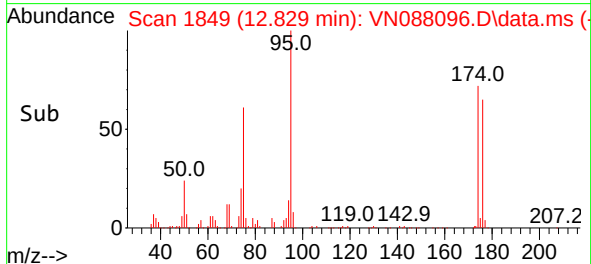
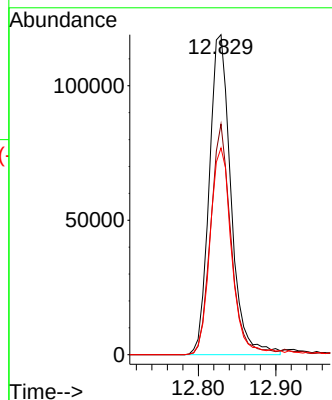
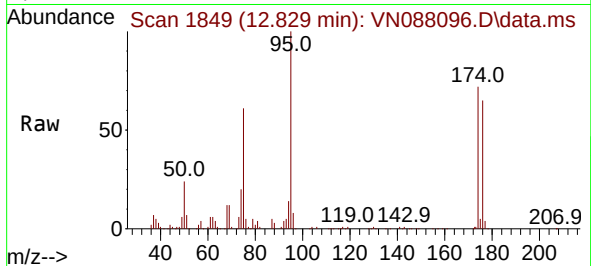




#62
4-Bromofluorobenzene
Concen: 52.907 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

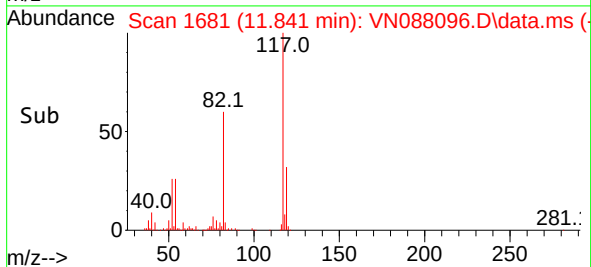
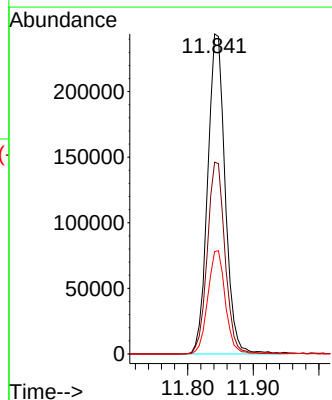
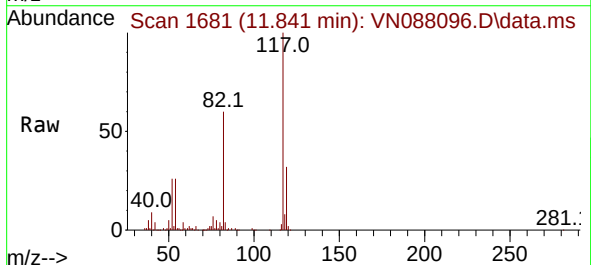
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

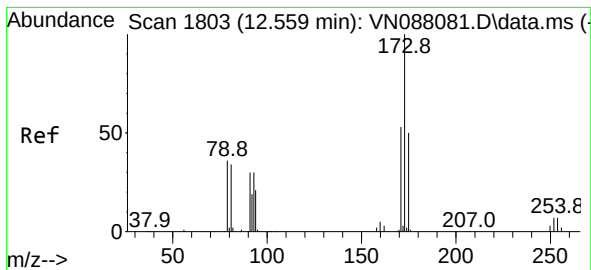
Tgt Ion: 95 Resp: 231255
Ion Ratio Lower Upper
95 100
174 67.6 0.0 138.4
176 63.6 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

Tgt Ion: 117 Resp: 452361
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.2
119 32.0 24.3 36.5





#71

Bromoform

Concen: 0.669 ug/l

RT: 12.829 min Scan# 11

Delta R.T. 0.270 min

Lab File: VN088096.D

Acq: 24 Oct 2025 15:59

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

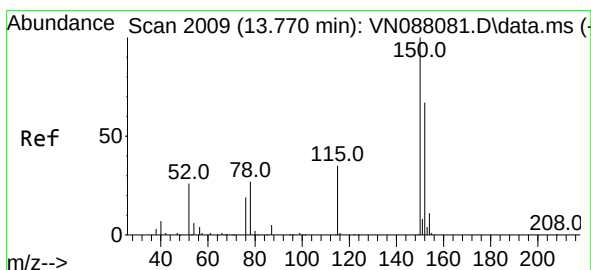
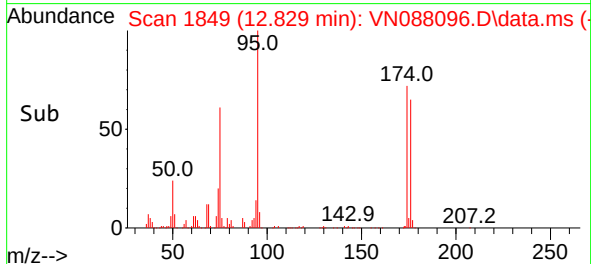
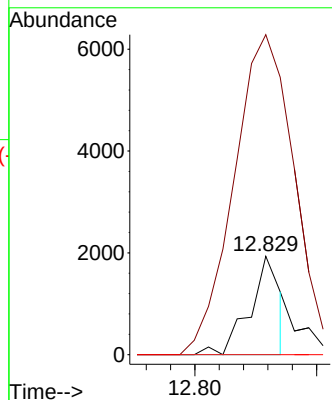
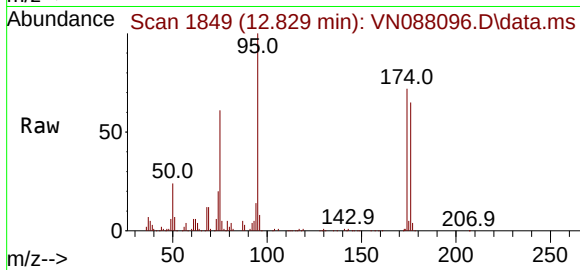
Tgt Ion:173 Resp: 1679

Ion Ratio Lower Upper

173 100

175 517.0 24.9 74.6#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN088096.D

Acq: 24 Oct 2025 15:59

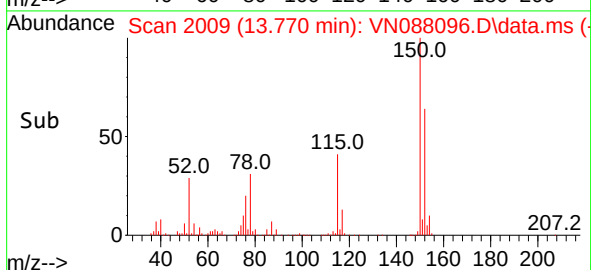
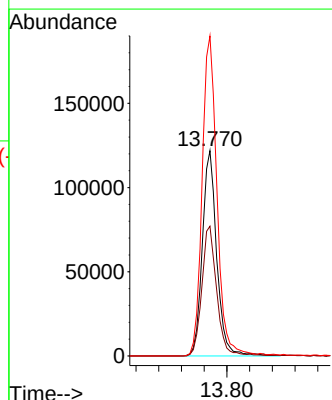
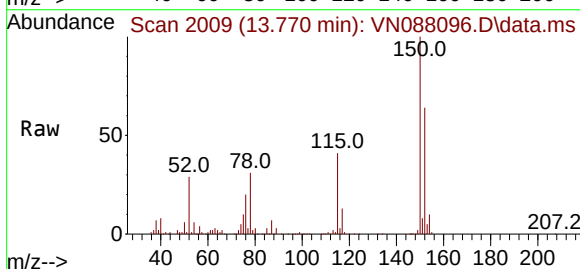
Tgt Ion:152 Resp: 215681

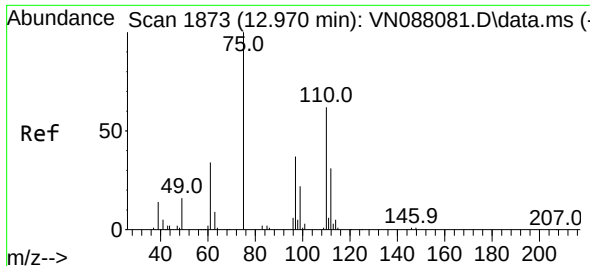
Ion Ratio Lower Upper

152 100

115 64.7 32.3 96.8

150 158.9 0.0 351.0

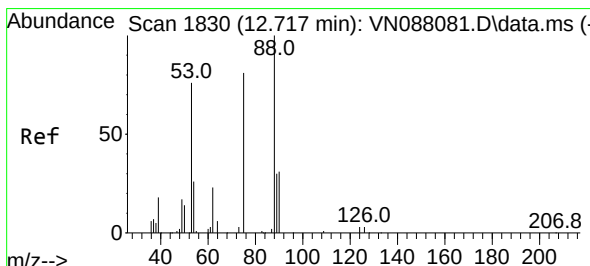
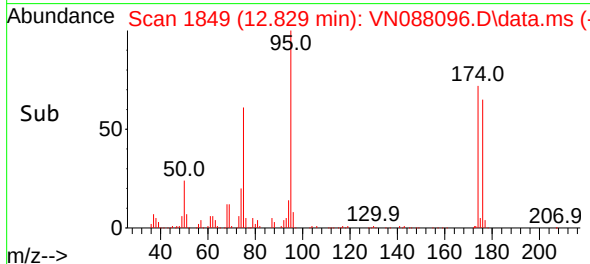
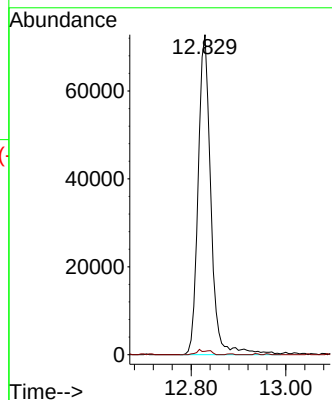
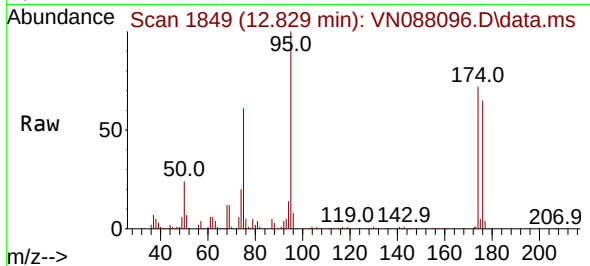




#76
1,2,3-Trichloropropane
Concen: 27.569 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

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

Tgt Ion: 75 Resp: 135946
Ion Ratio Lower Upper
75 100
77 0.9 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.904 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

Tgt Ion: 75 Resp: 135946
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 35.6 53.4#

