

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110725\
 Data File : VN088227.D
 Acq On : 07 Nov 2025 12:49
 Operator : JC\MD
 Sample : Q3537-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-17-SOIL

Quant Time: Nov 07 13:52:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

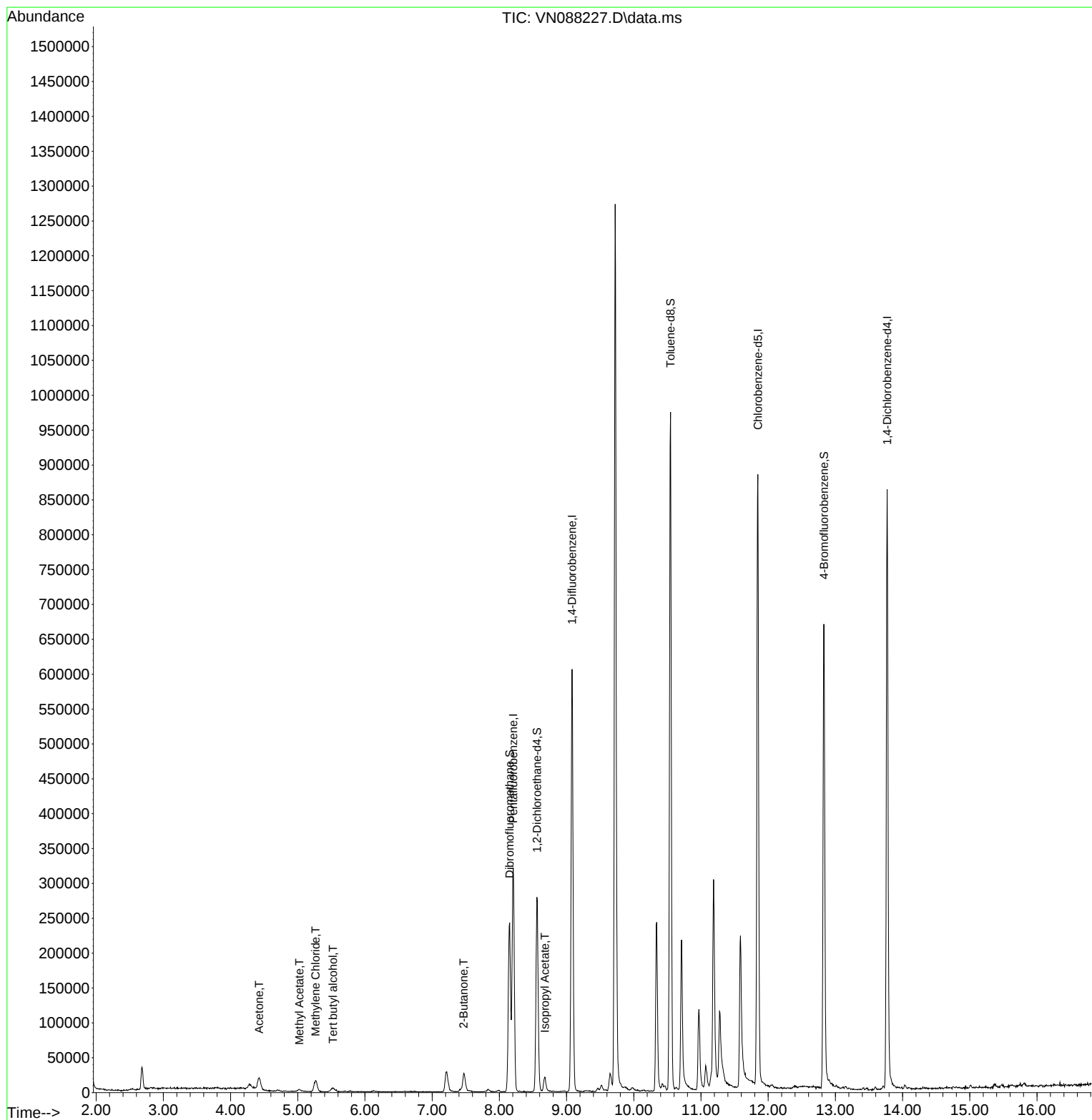
Internal Standards						
1) Pentafluorobenzene	8.206	168	218443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	497272	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	471555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	227734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	231122	61.186	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 122.380%		
35) Dibromofluoromethane	8.153	113	174731	52.304	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.600%		
50) Toluene-d8	10.547	98	643790	50.014	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 100.020%		
62) 4-Bromofluorobenzene	12.829	95	250964	55.205	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 110.420%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.524	59	9702	14.909	ug/l #	93
16) Acetone	4.424	43	34557	18.210	ug/l	94
18) Methyl Acetate	5.024	43	6137	1.580	ug/l	94
20) Methylene Chloride	5.265	84	13320	4.181	ug/l	93
25) 2-Butanone	7.471	43	44662	17.859	ug/l	96
43) Isopropyl Acetate	8.676	43	27834	2.878	ug/l #	93

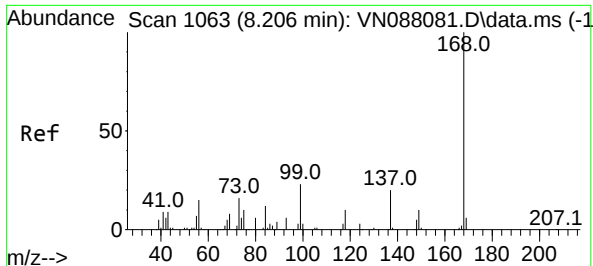
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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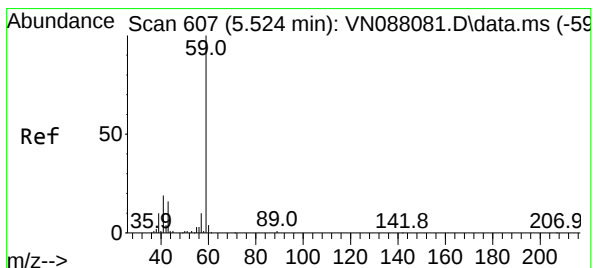
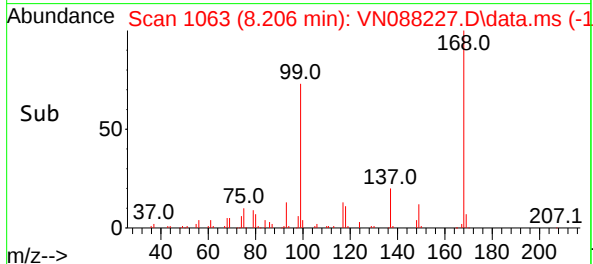
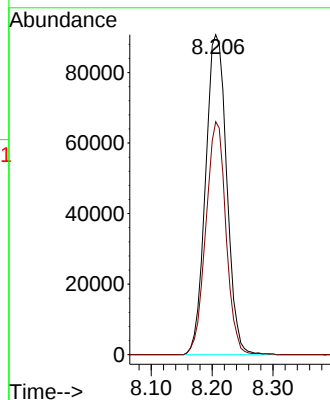
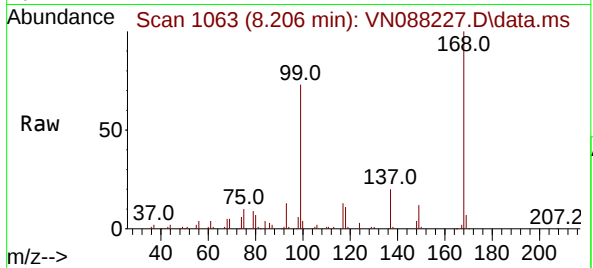




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088227.D
Acq: 07 Nov 2025 12:49

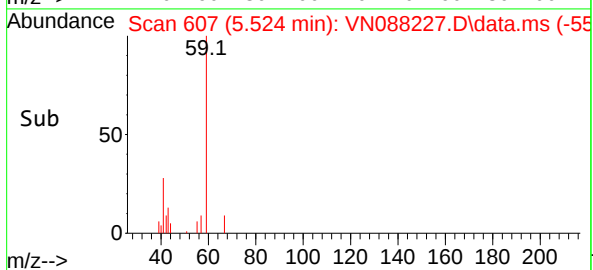
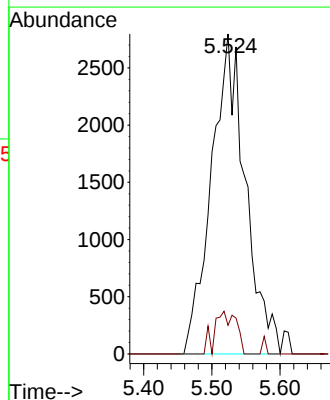
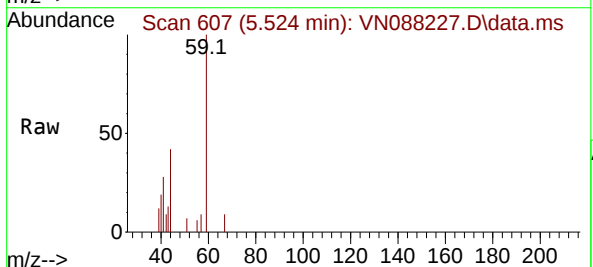
Instrument :
MSVOA_N
ClientSampleId :
MW-17-SOIL

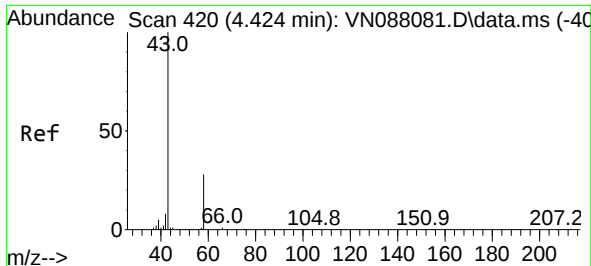
Tgt Ion:168 Resp: 218443
Ion Ratio Lower Upper
168 100
99 72.8 57.2 85.8



#11
Tert butyl alcohol
Concen: 14.909 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN088227.D
Acq: 07 Nov 2025 12:49

Tgt Ion: 59 Resp: 9702
Ion Ratio Lower Upper
59 100
57 8.5 9.0 13.4#

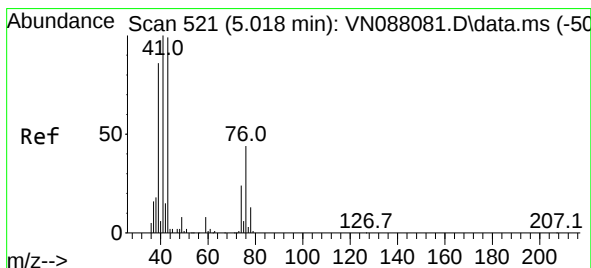
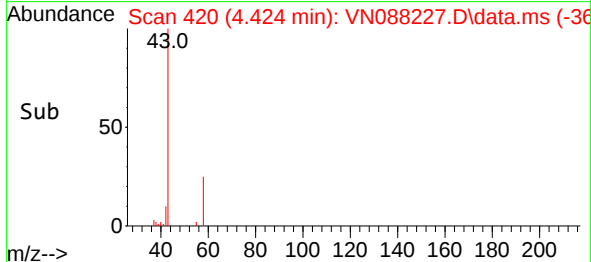
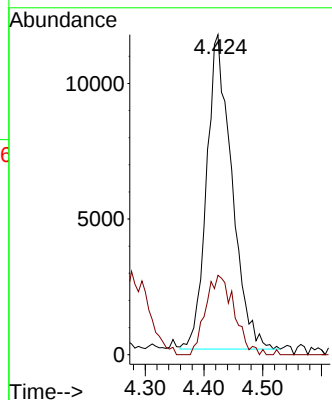
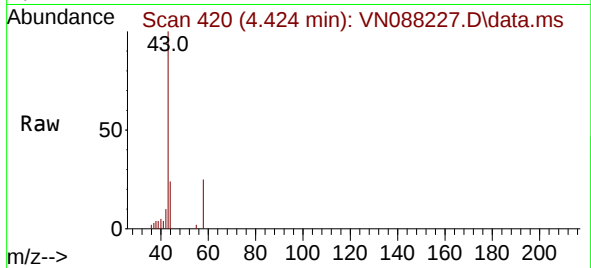




#16
Acetone
Concen: 18.210 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN088227.D
Acq: 07 Nov 2025 12:49

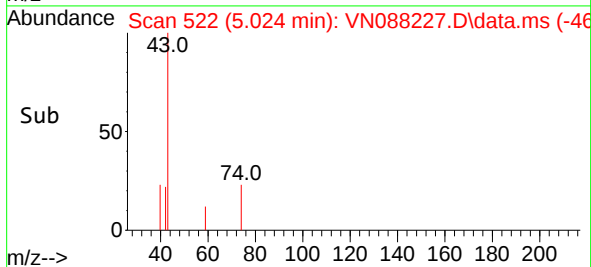
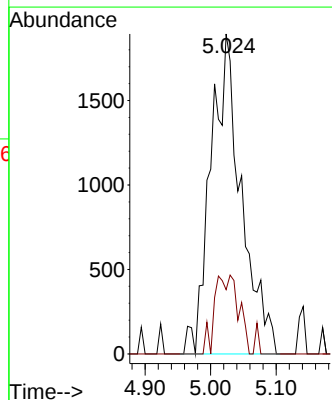
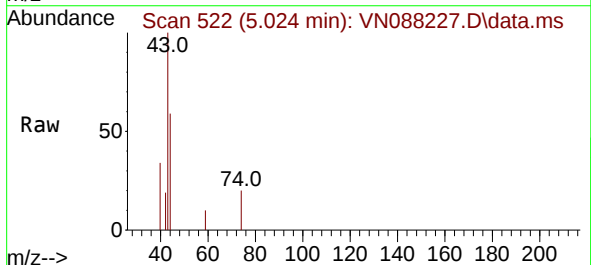
Instrument :
MSVOA_N
ClientSampleId :
MW-17-SOIL

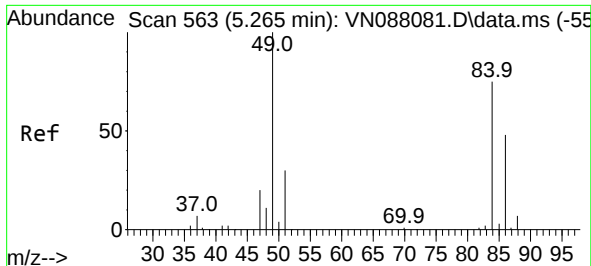
Tgt Ion: 43 Resp: 34557
Ion Ratio Lower Upper
43 100
58 25.2 22.6 33.8



#18
Methyl Acetate
Concen: 1.580 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.011 min
Lab File: VN088227.D
Acq: 07 Nov 2025 12:49

Tgt Ion: 43 Resp: 6137
Ion Ratio Lower Upper
43 100
74 19.4 17.6 26.4

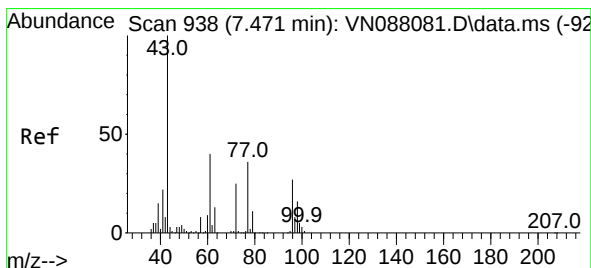
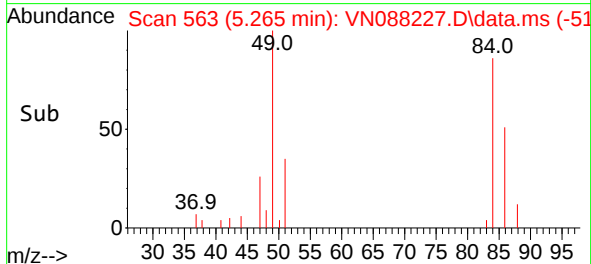
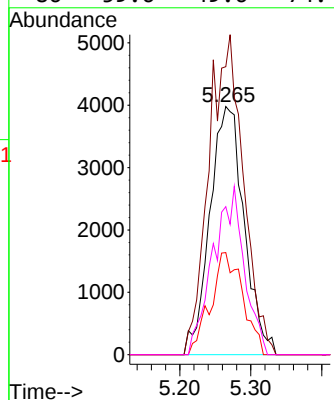
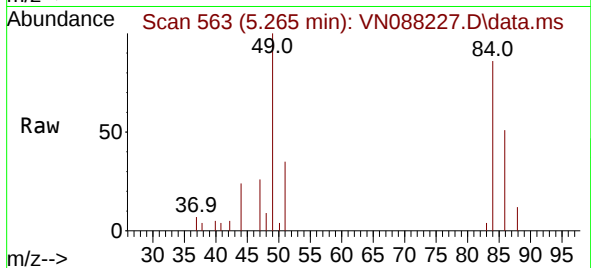




#20
Methylene Chloride
Concen: 4.181 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN088227.D
Acq: 07 Nov 2025 12:49

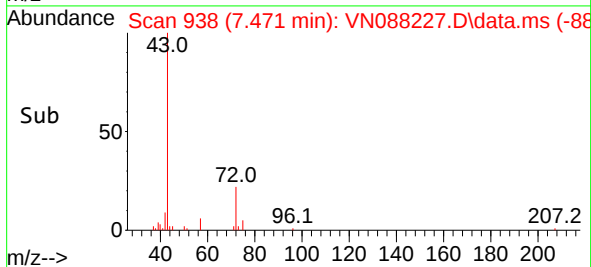
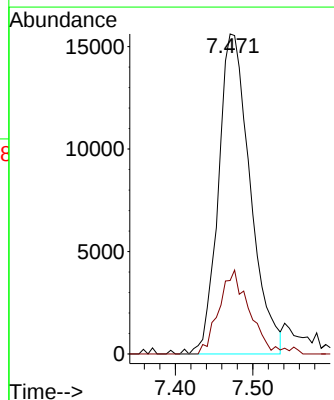
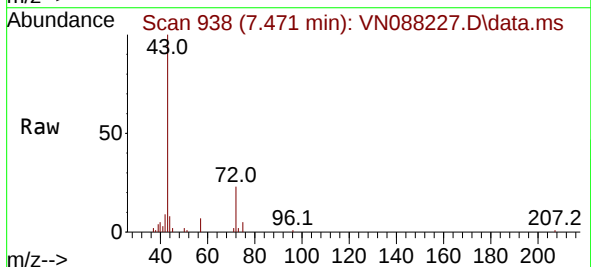
Instrument :
MSVOA_N
ClientSampleId :
MW-17-SOIL

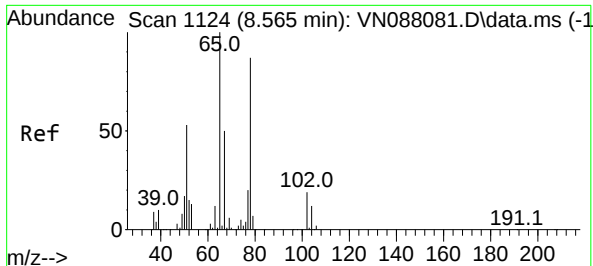
Tgt Ion:	84	Resp:	13320
Ion	Ratio	Lower	Upper
84	100		
49	116.1	103.4	155.2
51	41.1	33.8	50.8
86	59.6	49.6	74.4



#25
2-Butanone
Concen: 17.859 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN088227.D
Acq: 07 Nov 2025 12:49

Tgt Ion:	43	Resp:	44662
Ion	Ratio	Lower	Upper
43	100		
72	22.9	19.9	29.9





#33

1,2-Dichloroethane-d4

Concen: 61.186 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088227.D

Acq: 07 Nov 2025 12:49

Instrument :

MSVOA_N

ClientSampleId :

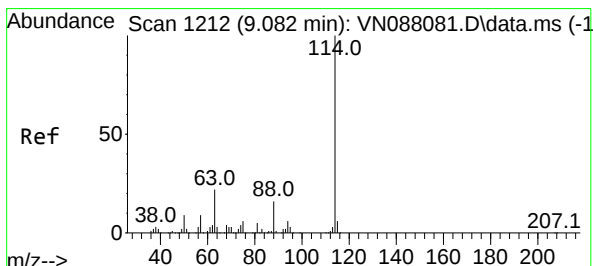
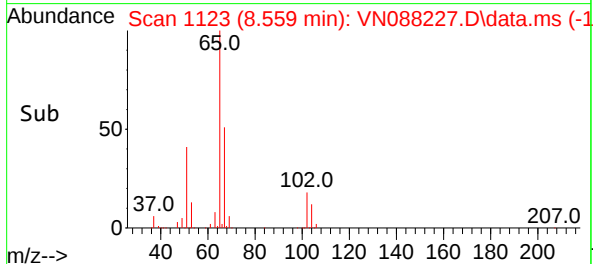
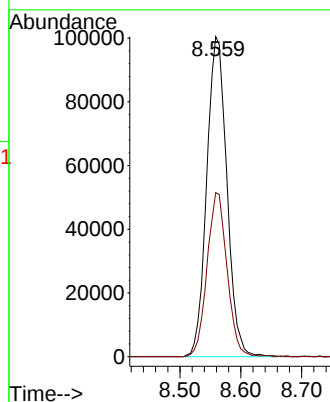
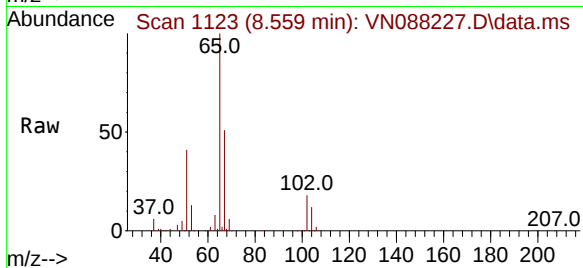
MW-17-SOIL

Tgt Ion: 65 Resp: 231122

Ion Ratio Lower Upper

65 100

67 50.8 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: VN088227.D

Acq: 07 Nov 2025 12:49

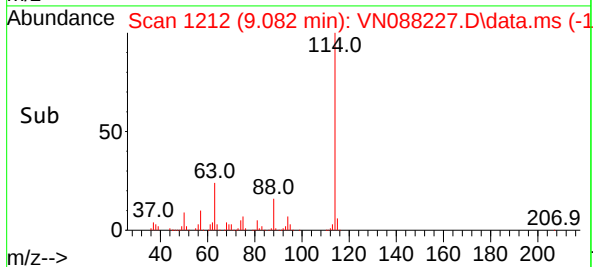
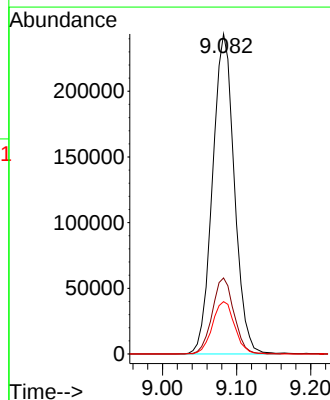
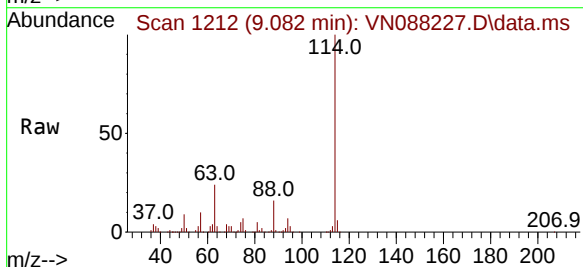
Tgt Ion: 114 Resp: 497272

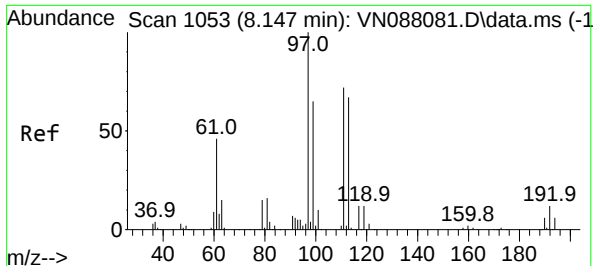
Ion Ratio Lower Upper

114 100

63 23.7 0.0 45.2

88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 52.304 ug/l

RT: 8.153 min Scan# 110

Delta R.T. -0.000 min

Lab File: VN088227.D

Acq: 07 Nov 2025 12:49

Instrument :

MSVOA_N

ClientSampleId :

MW-17-SOIL

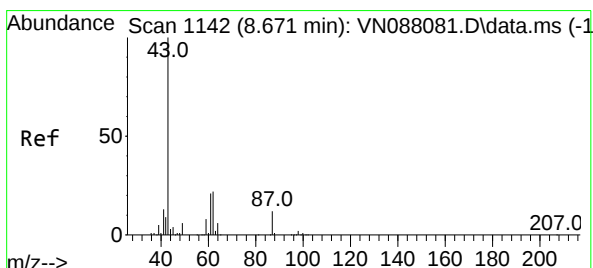
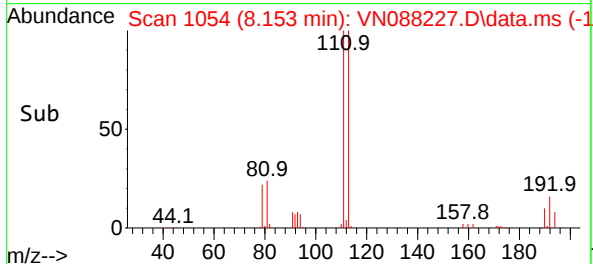
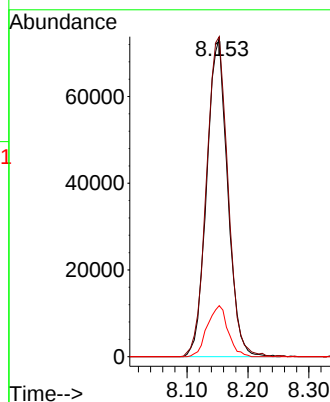
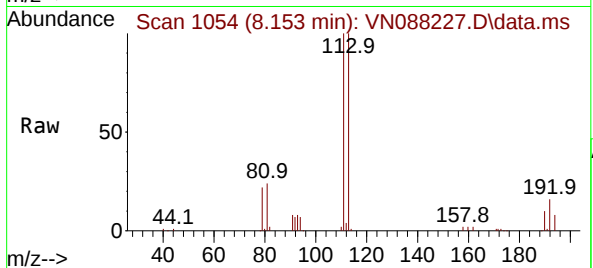
Tgt Ion:113 Resp: 174731

Ion Ratio Lower Upper

113 100

111 103.5 82.8 124.2

192 15.9 12.8 19.2



#43

Isopropyl Acetate

Concen: 2.878 ug/l

RT: 8.676 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN088227.D

Acq: 07 Nov 2025 12:49

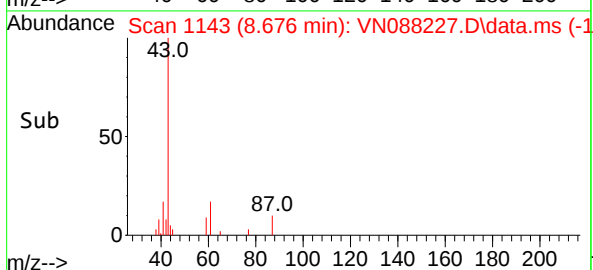
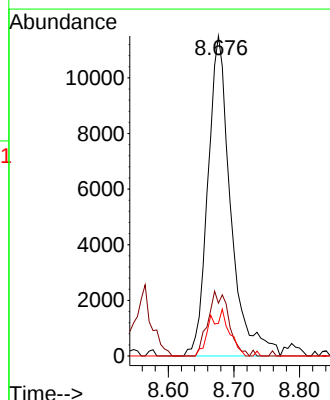
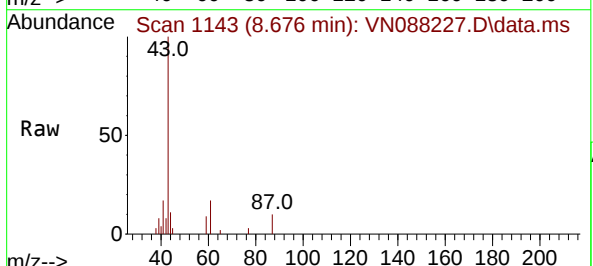
Tgt Ion: 43 Resp: 27834

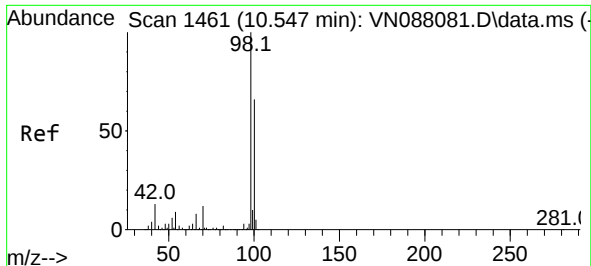
Ion Ratio Lower Upper

43 100

61 18.4 18.8 28.2#

87 12.5 9.6 14.4

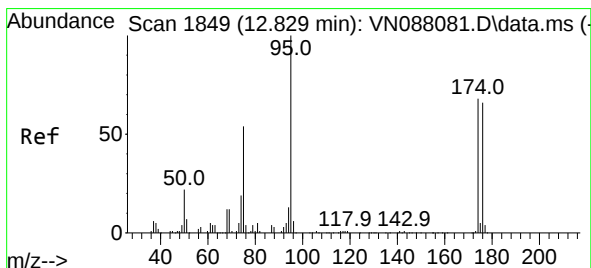
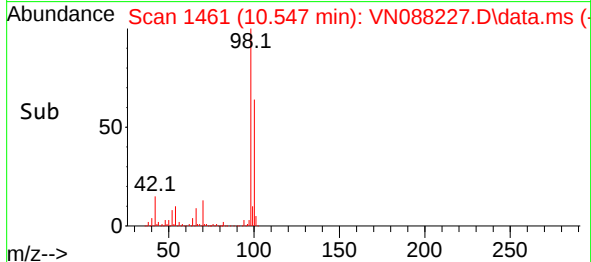
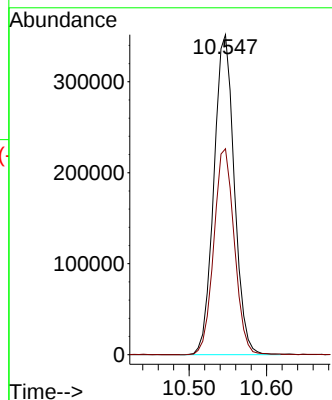
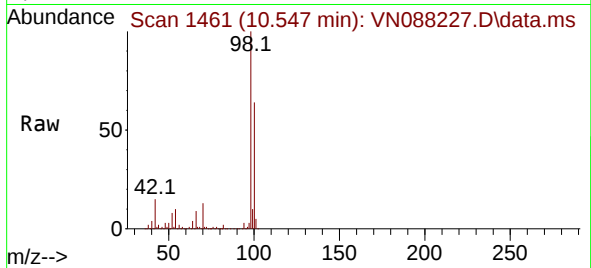




#50
Toluene-d8
Concen: 50.014 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088227.D
Acq: 07 Nov 2025 12:49

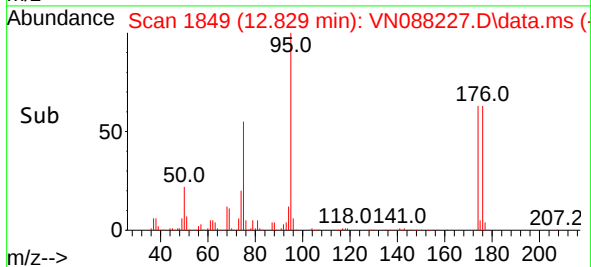
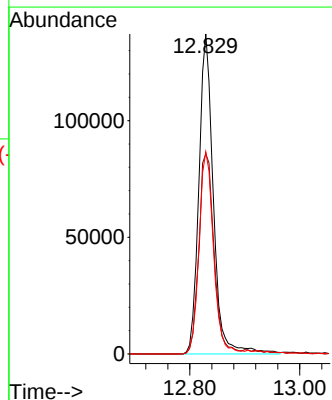
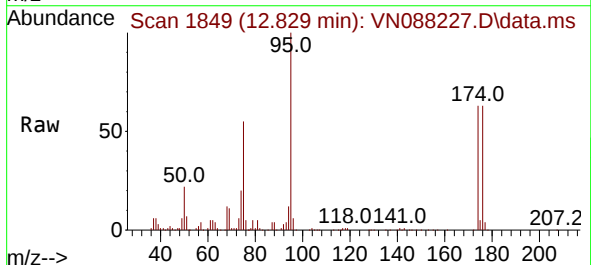
Instrument :
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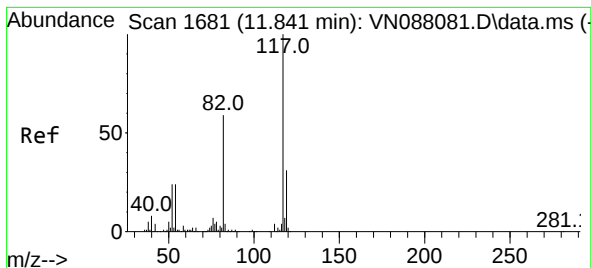
Tgt Ion: 98 Resp: 643790
Ion Ratio Lower Upper
98 100
100 64.9 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 55.205 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088227.D
Acq: 07 Nov 2025 12:49

Tgt Ion: 95 Resp: 250964
Ion Ratio Lower Upper
95 100
174 65.4 0.0 138.4
176 63.3 0.0 132.6

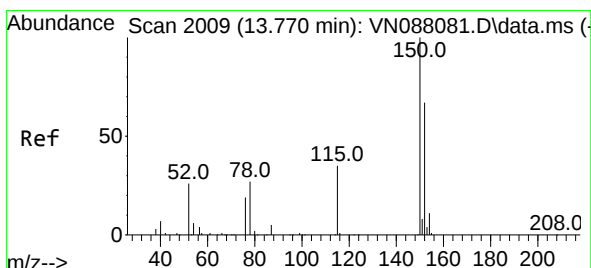
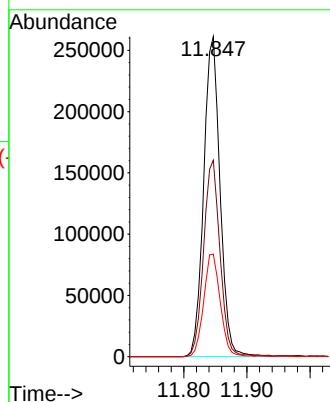
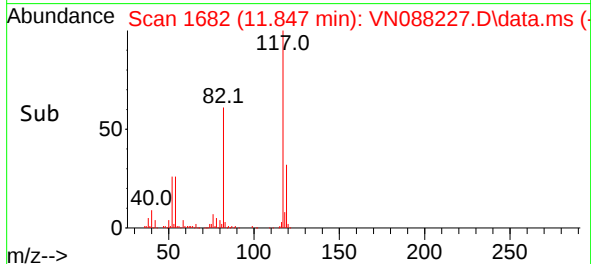
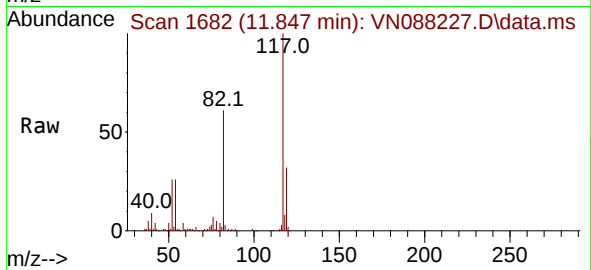




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN088227.D
Acq: 07 Nov 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:117 Resp: 471555
Ion Ratio Lower Upper
117 100
82 61.4 47.4 71.2
119 32.1 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088227.D
Acq: 07 Nov 2025 12:49

Tgt Ion:152 Resp: 227734
Ion Ratio Lower Upper
152 100
115 65.2 32.3 96.8
150 158.1 0.0 351.0

