

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100125\
 Data File : VN088009.D
 Acq On : 01 Oct 2025 12:17
 Operator : JC\MD
 Sample : Q3256-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-PILE-1-WC

Quant Time: Oct 01 12:36:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

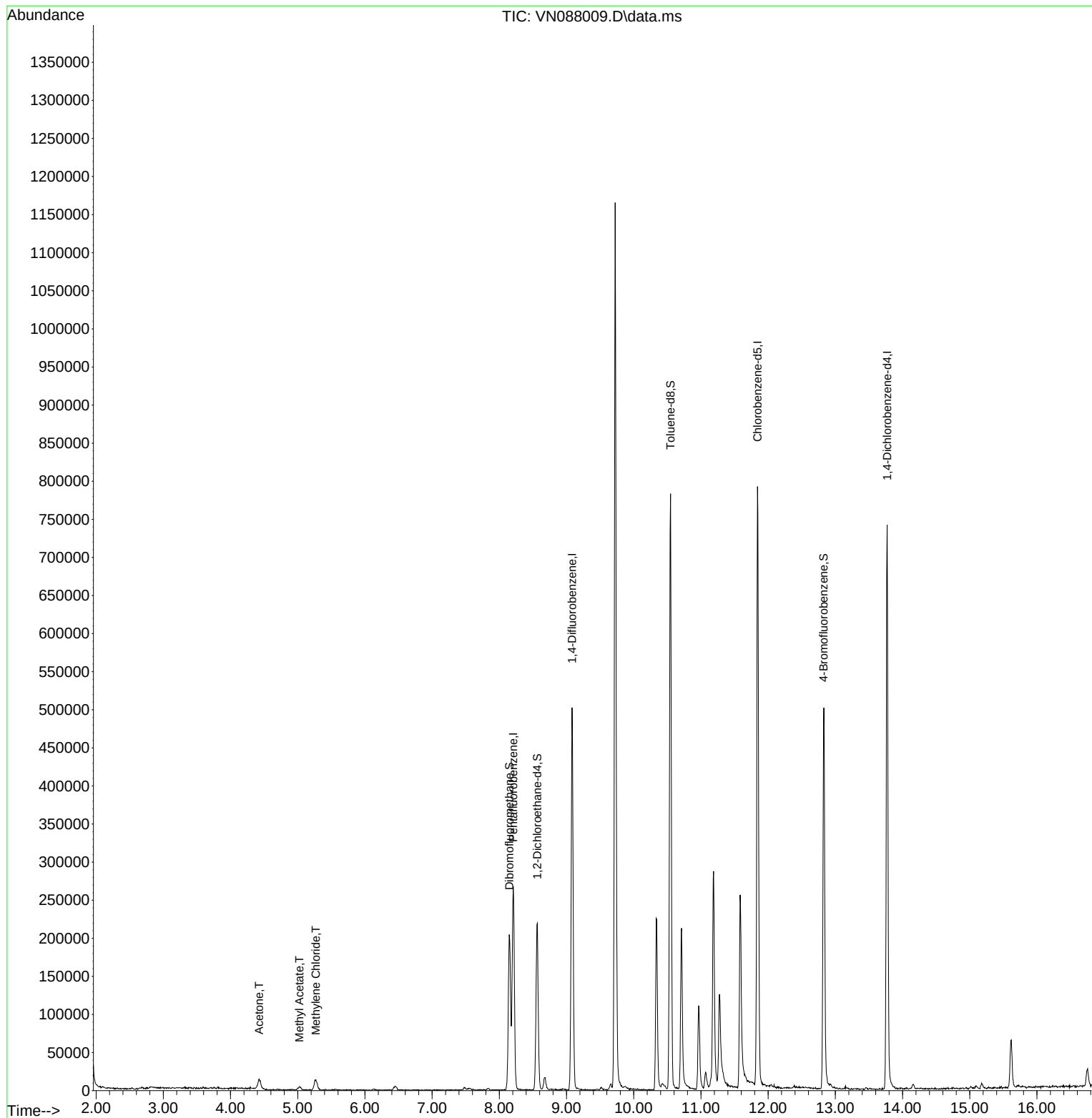
Internal Standards						
1) Pentafluorobenzene	8.206	168	184248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	422271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	445056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	201047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	177746	57.323	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.640%			
35) Dibromofluoromethane	8.147	113	148059	48.292	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.580%			
50) Toluene-d8	10.547	98	525136	48.706	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.420%			
62) 4-Bromofluorobenzene	12.824	95	178660	46.359	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.720%			
Target Compounds						
16) Acetone	4.424	43	25548	20.025	ug/l	91
18) Methyl Acetate	5.024	43	8593	2.691	ug/l	95
20) Methylene Chloride	5.271	84	11946	4.626	ug/l #	84

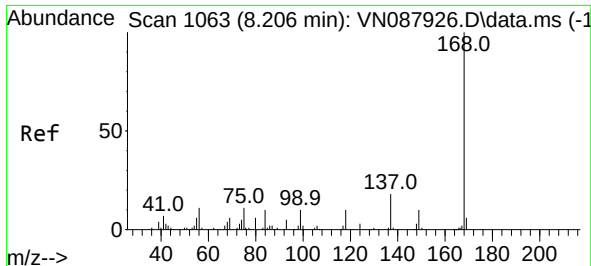
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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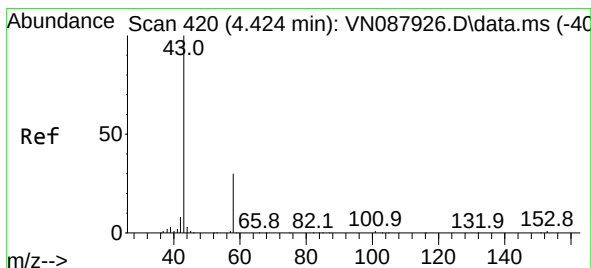
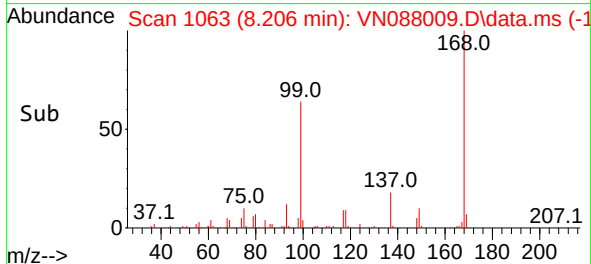
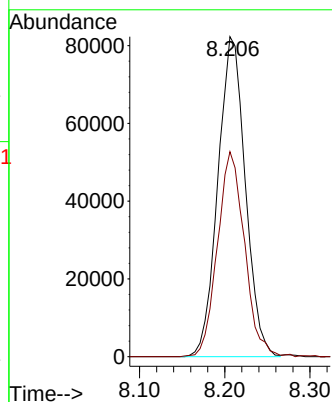
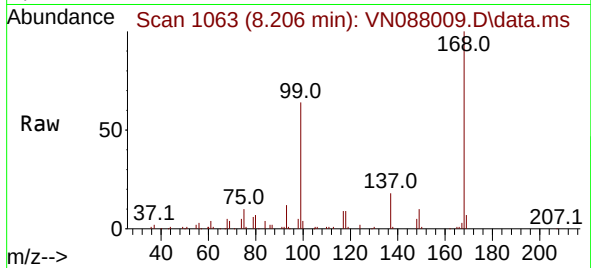




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088009.D
Acq: 01 Oct 2025 12:17

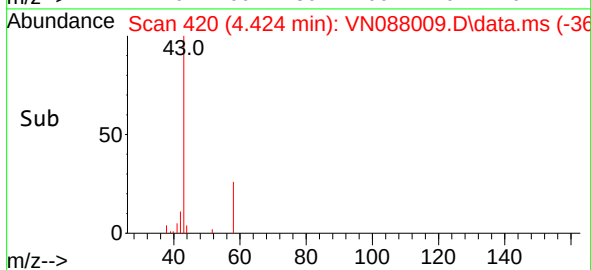
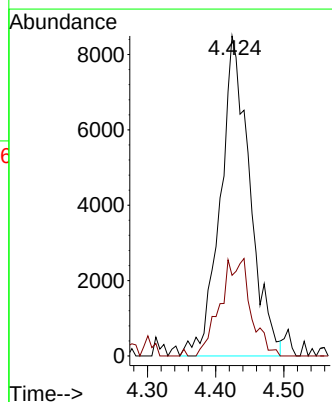
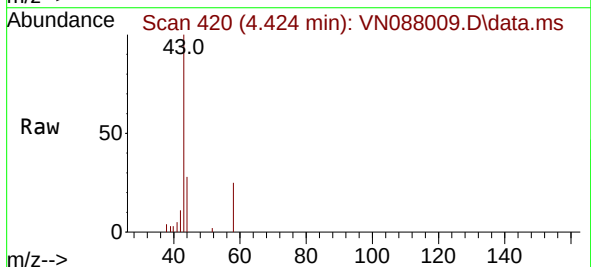
Instrument :
MSVOA_N
ClientSampleId :
SOIL-PILE-1-WC

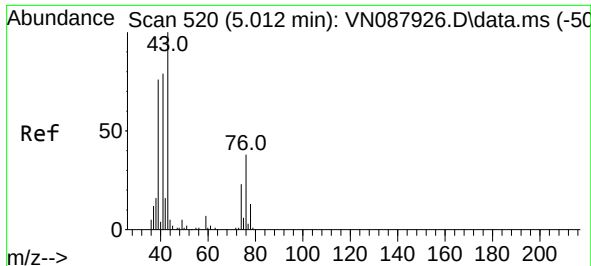
Tgt Ion:168 Resp: 184248
Ion Ratio Lower Upper
168 100
99 64.0 52.2 78.2



#16
Acetone
Concen: 20.025 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN088009.D
Acq: 01 Oct 2025 12:17

Tgt Ion: 43 Resp: 25548
Ion Ratio Lower Upper
43 100
58 25.2 24.1 36.1

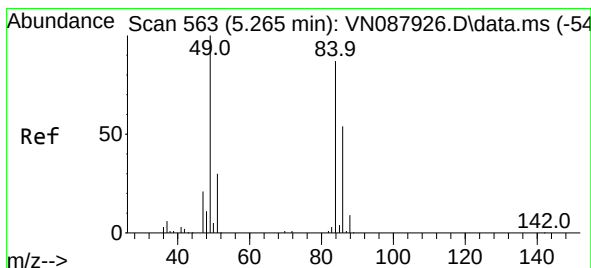
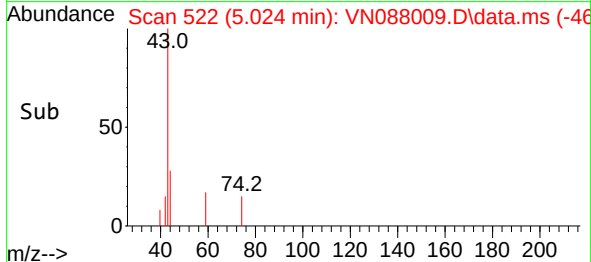
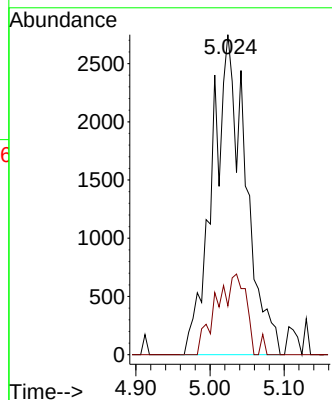
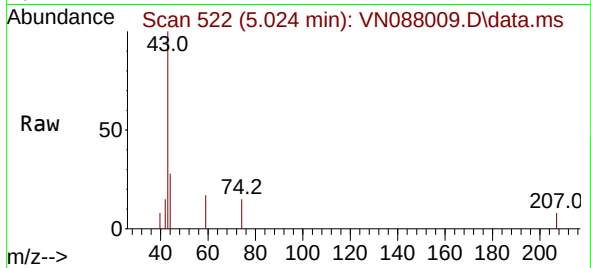




#18
Methyl Acetate
Concen: 2.691 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN088009.D
Acq: 01 Oct 2025 12:17

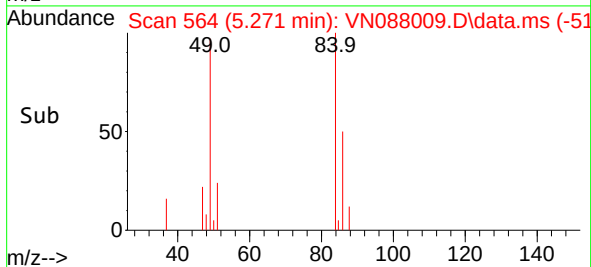
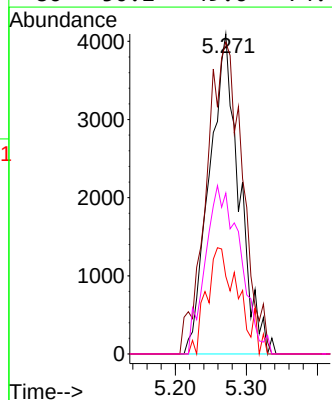
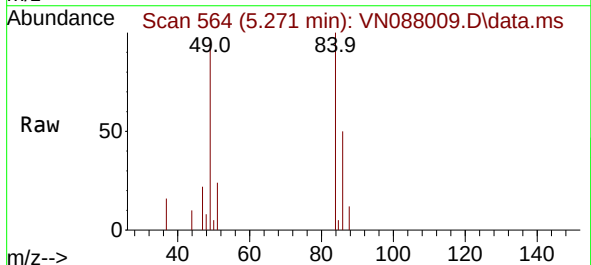
Instrument :
MSVOA_N
ClientSampleId :
SOIL-PILE-1-WC

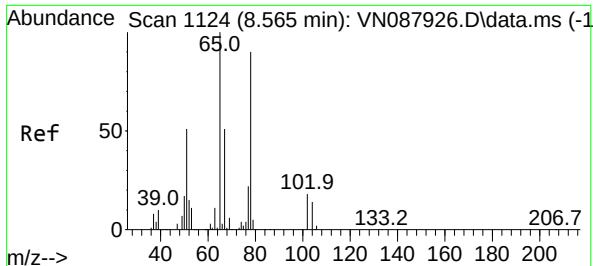
Tgt Ion: 43 Resp: 8593
Ion Ratio Lower Upper
43 100
74 22.3 19.7 29.5



#20
Methylene Chloride
Concen: 4.626 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN088009.D
Acq: 01 Oct 2025 12:17

Tgt Ion: 84 Resp: 11946
Ion Ratio Lower Upper
84 100
49 97.4 92.1 138.1
51 24.2 27.7 41.5#
86 50.2 49.6 74.4





#33

1,2-Dichloroethane-d4

Concen: 57.323 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN088009.D

Acq: 01 Oct 2025 12:17

Instrument :

MSVOA_N

ClientSampleId :

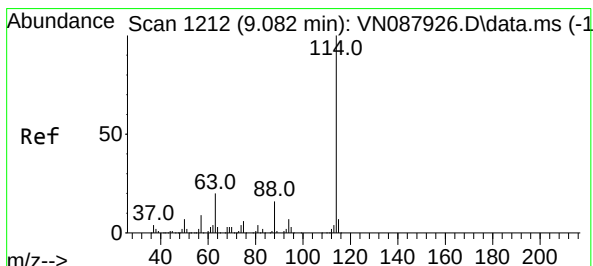
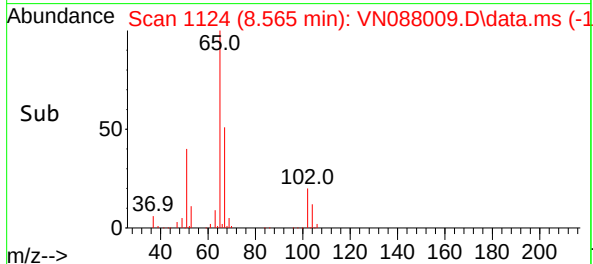
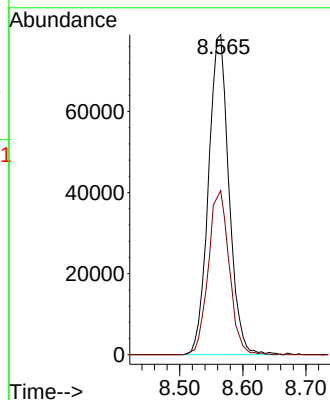
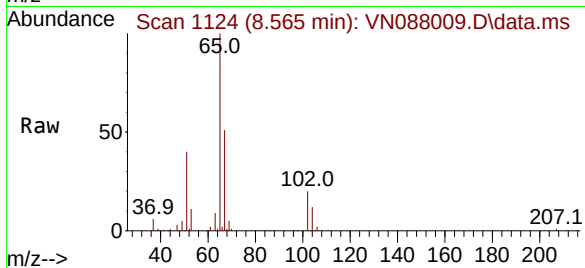
SOIL-PILE-1-WC

Tgt Ion: 65 Resp: 177746

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088009.D

Acq: 01 Oct 2025 12:17

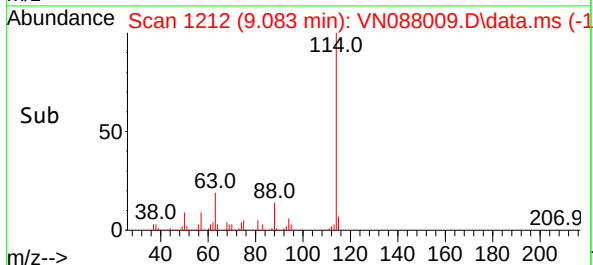
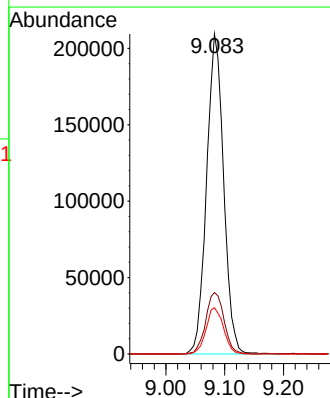
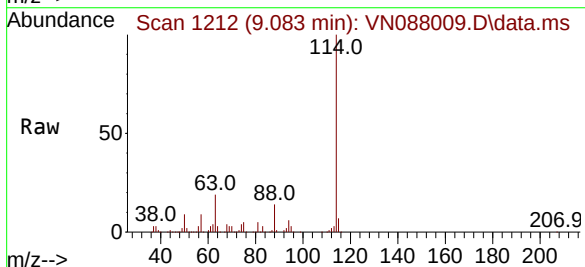
Tgt Ion: 114 Resp: 422271

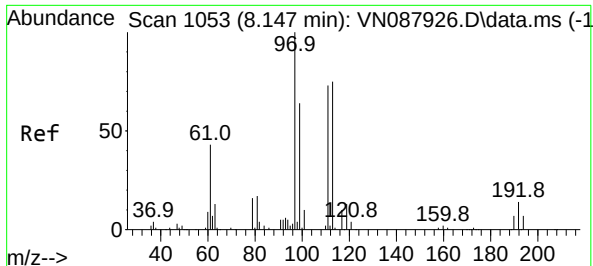
Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 14.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.292 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VN088009.D

Acq: 01 Oct 2025 12:17

Instrument :

MSVOA_N

ClientSampleId :

SOIL-PILE-1-WC

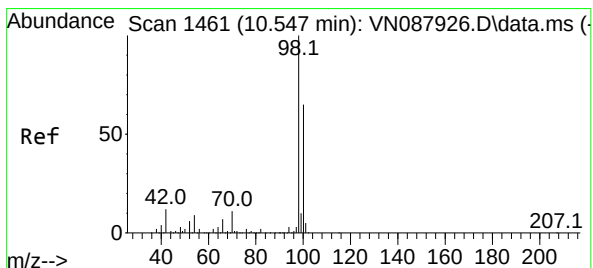
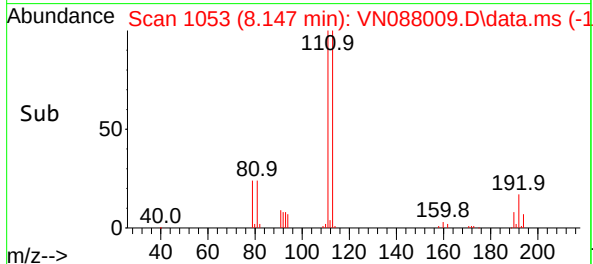
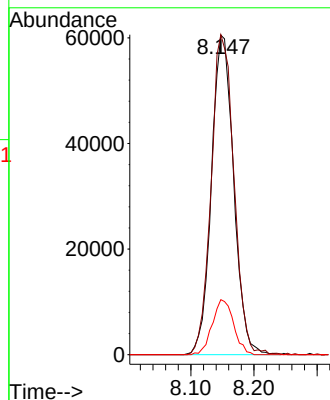
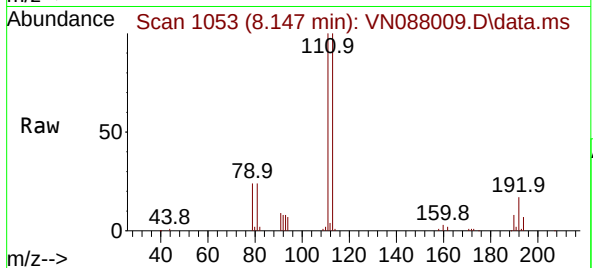
Tgt Ion:113 Resp: 148059

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

192 16.5 14.2 21.2



#50

Toluene-d8

Concen: 48.706 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN088009.D

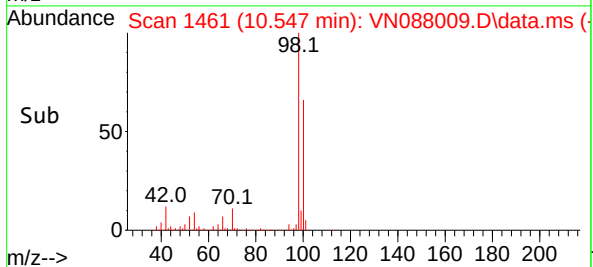
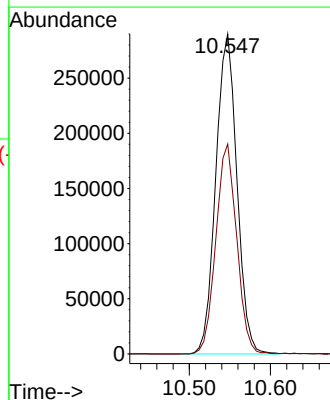
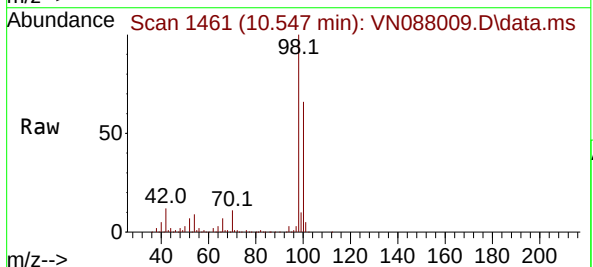
Acq: 01 Oct 2025 12:17

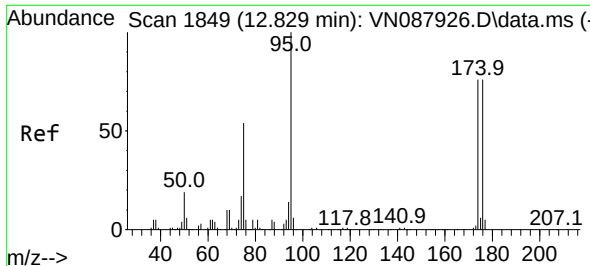
Tgt Ion: 98 Resp: 525136

Ion Ratio Lower Upper

98 100

100 64.7 51.7 77.5

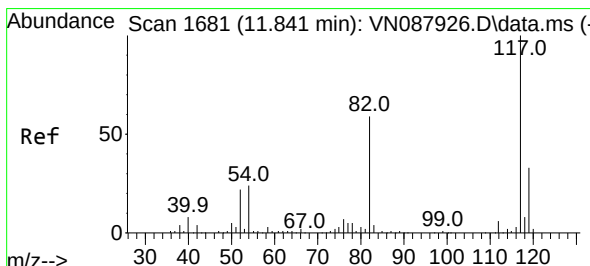
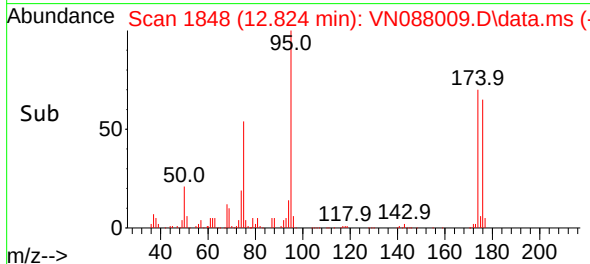
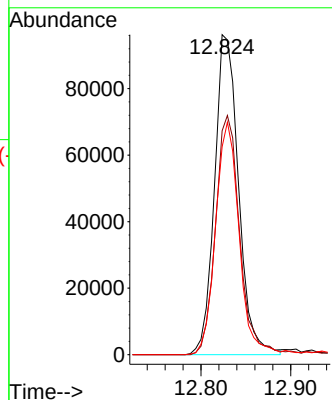
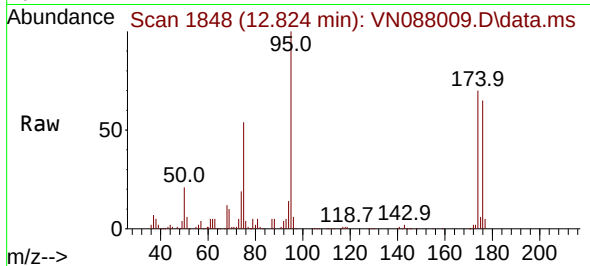




#62
4-Bromofluorobenzene
Concen: 46.359 ug/l
RT: 12.824 min Scan# 1849
Delta R.T. -0.006 min
Lab File: VN088009.D
Acq: 01 Oct 2025 12:17

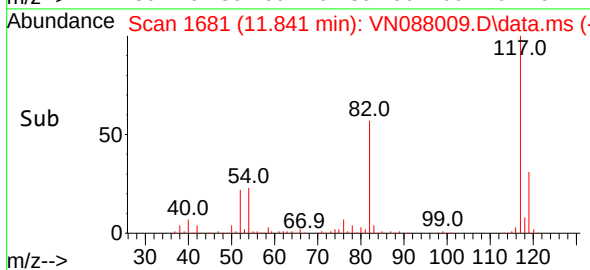
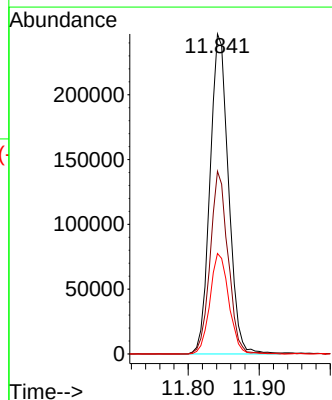
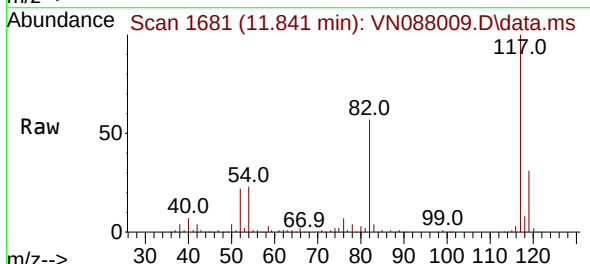
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MSVOA_N
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SOIL-PILE-1-WC

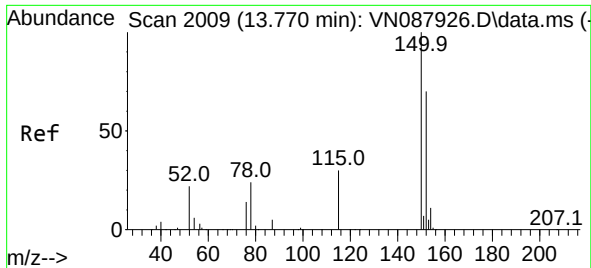
Tgt Ion: 95 Resp: 178660
Ion Ratio Lower Upper
95 100
174 75.4 0.0 159.2
176 71.7 0.0 152.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN088009.D
Acq: 01 Oct 2025 12:17

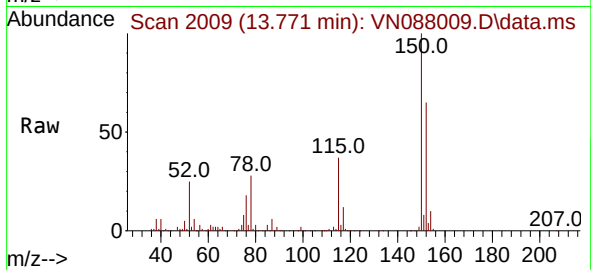
Tgt Ion: 117 Resp: 445056
Ion Ratio Lower Upper
117 100
82 57.1 47.0 70.4
119 31.4 26.1 39.1





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.771 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN088009.D
 Acq: 01 Oct 2025 12:17

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-PILE-1-WC



Tgt Ion:152 Resp: 201047
 Ion Ratio Lower Upper
 152 100
 115 59.8 29.9 89.7
 150 156.8 0.0 335.0

