

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
 Data File : VN087195.D
 Acq On : 26 Jun 2025 15:10
 Operator : JC\MD
 Sample : Q2409-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COP-SOIL-PILE

Quant Time: Jun 27 01:27:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

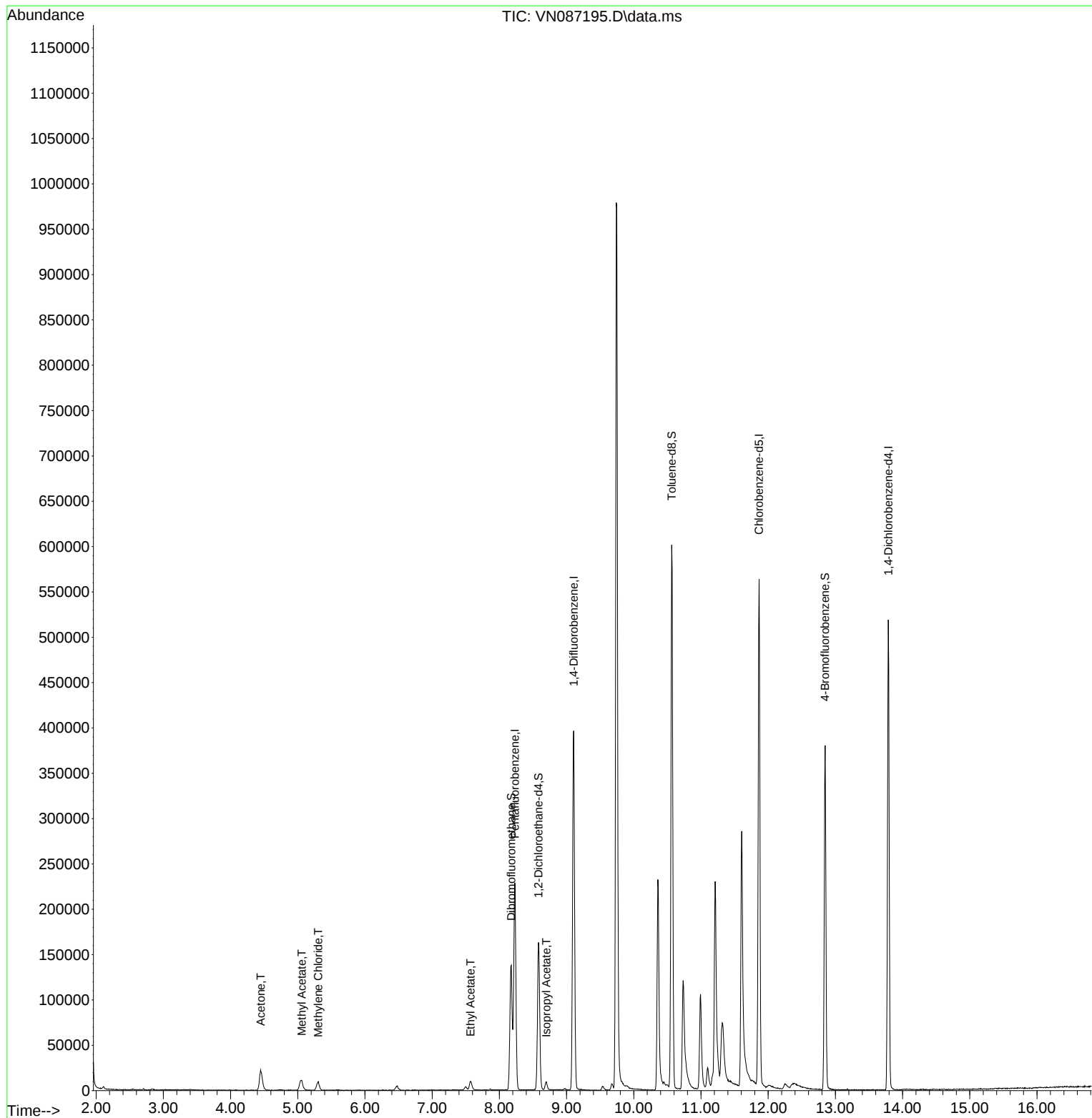
Internal Standards						
1) Pentafluorobenzene	8.230	168	173086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	351922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	331140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	135687	58.551	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.100%
35) Dibromofluoromethane	8.177	113	106571	51.099	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.200%
50) Toluene-d8	10.565	98	426607	51.671	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.340%
62) 4-Bromofluorobenzene	12.847	95	145391	47.398	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.800%
Target Compounds						
					Qvalue	
16) Acetone	4.447	43	44489	36.201	ug/l	95
18) Methyl Acetate	5.059	43	25685	7.172	ug/l	98
20) Methylene Chloride	5.306	84	7738	3.363	ug/l	91
37) Ethyl Acetate	7.571	43	16231	4.103	ug/l	98
43) Isopropyl Acetate	8.700	43	10475	1.650	ug/l #	92

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

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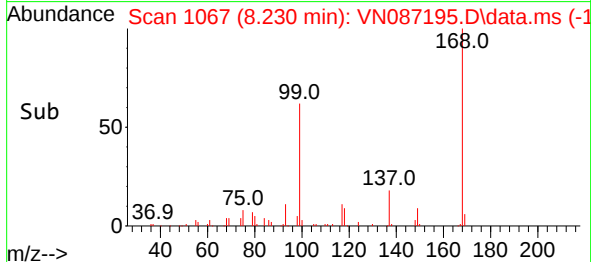
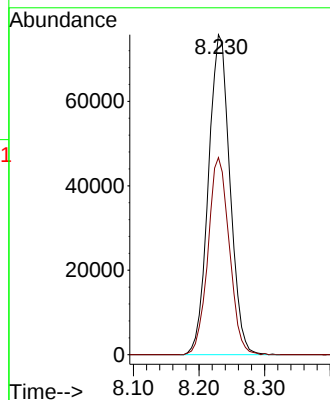
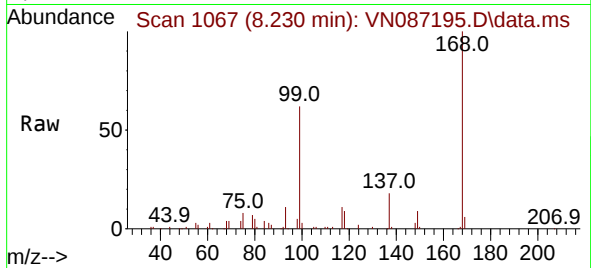




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087195.D
Acq: 26 Jun 2025 15:10

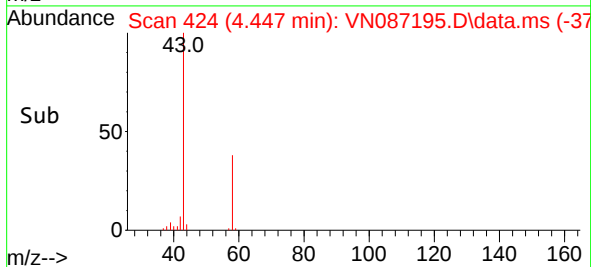
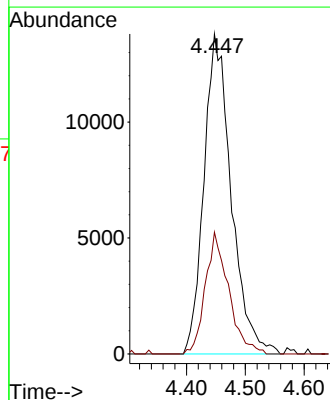
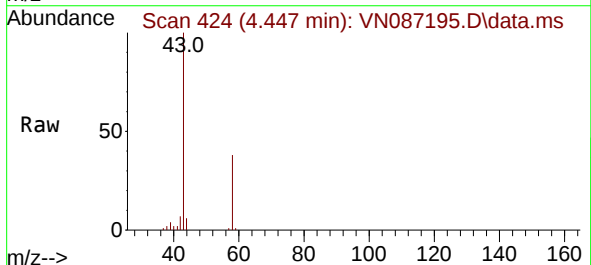
Instrument :
MSVOA_N
ClientSampleId :
COP-SOIL-PILE

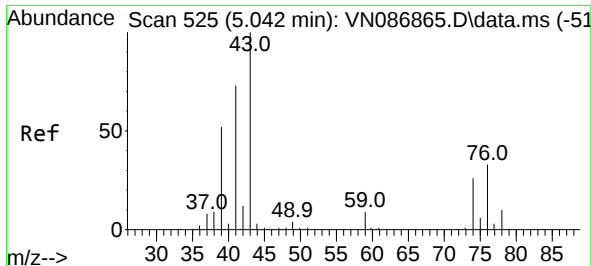
Tgt Ion:168 Resp: 173086
Ion Ratio Lower Upper
168 100
99 61.6 49.1 73.7



#16
Acetone
Concen: 36.201 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN087195.D
Acq: 26 Jun 2025 15:10

Tgt Ion: 43 Resp: 44489
Ion Ratio Lower Upper
43 100
58 38.1 28.0 42.0

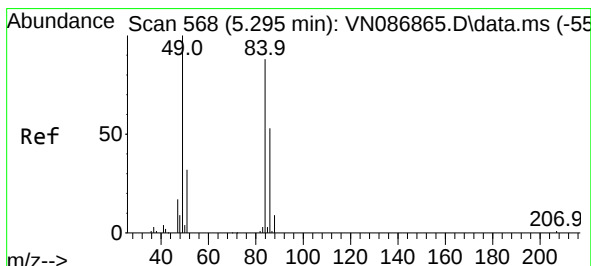
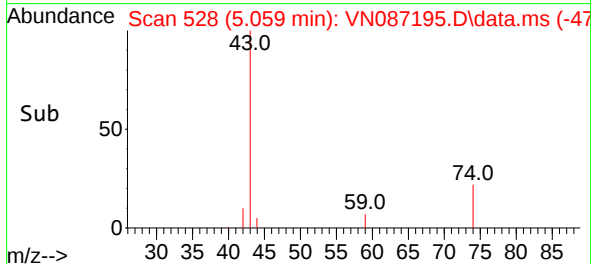
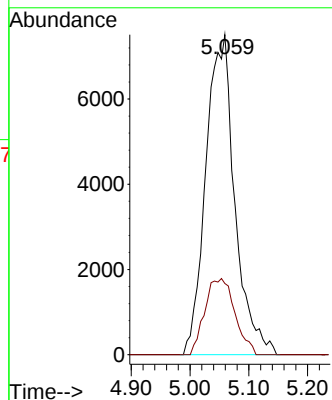
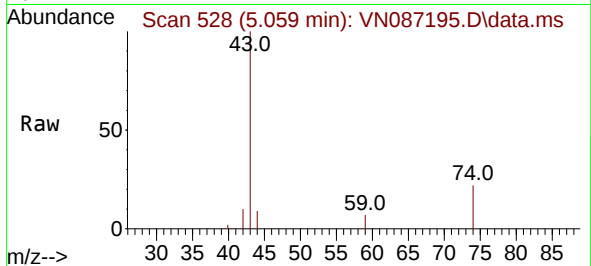




#18
Methyl Acetate
Concen: 7.172 ug/l
RT: 5.059 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN087195.D
Acq: 26 Jun 2025 15:10

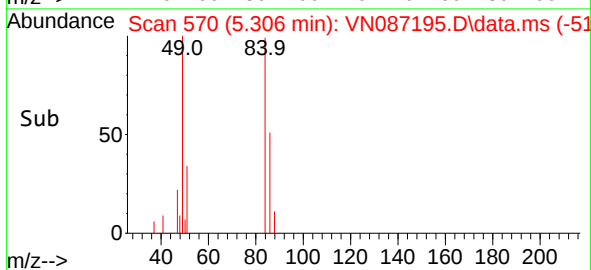
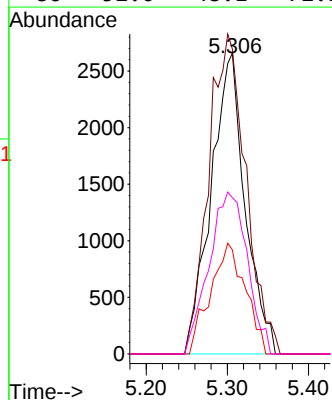
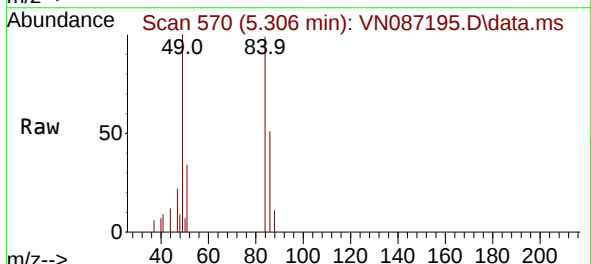
Instrument :
MSVOA_N
ClientSampleId :
COP-SOIL-PILE

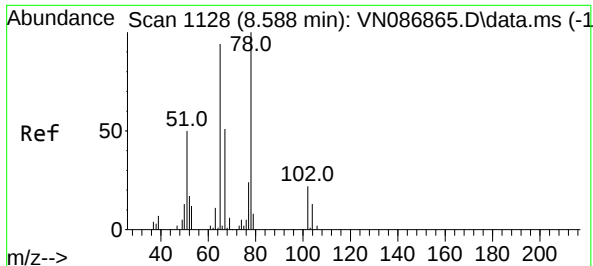
Tgt Ion: 43 Resp: 25685
Ion Ratio Lower Upper
43 100
74 24.6 20.7 31.1



#20
Methylene Chloride
Concen: 3.363 ug/l
RT: 5.306 min Scan# 570
Delta R.T. 0.012 min
Lab File: VN087195.D
Acq: 26 Jun 2025 15:10

Tgt Ion: 84 Resp: 7738
Ion Ratio Lower Upper
84 100
49 101.4 90.5 135.7
51 34.6 28.5 42.7
86 52.0 48.1 72.1





#33

1,2-Dichloroethane-d4

Concen: 58.551 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087195.D

Acq: 26 Jun 2025 15:10

Instrument :

MSVOA_N

ClientSampleId :

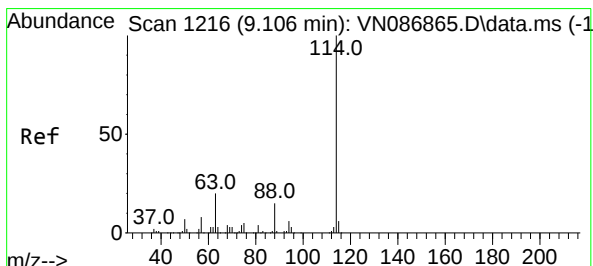
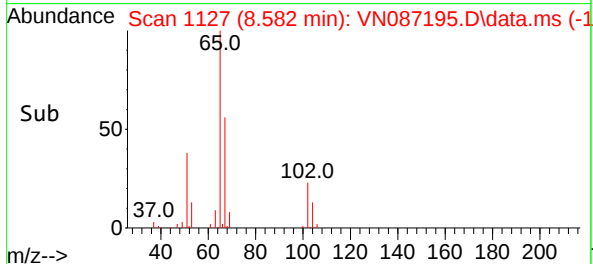
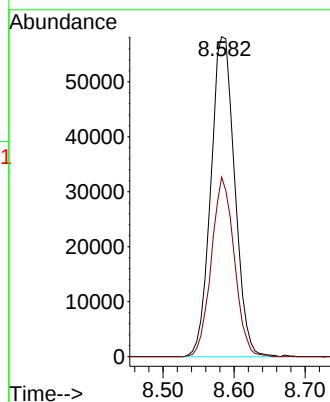
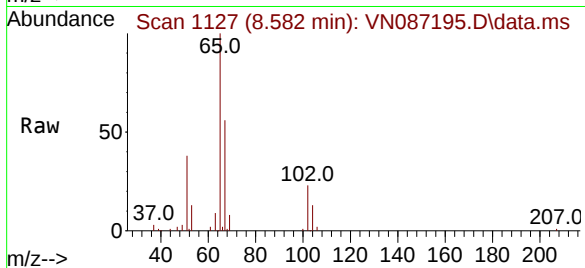
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Tgt Ion: 65 Resp: 135687

Ion Ratio Lower Upper

65 100

67 53.9 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087195.D

Acq: 26 Jun 2025 15:10

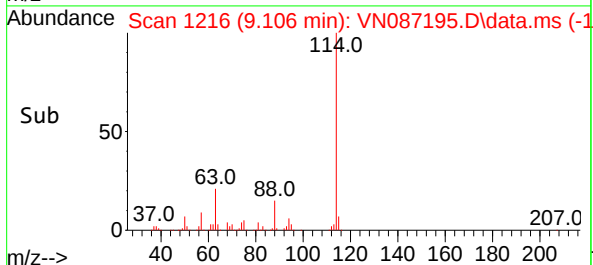
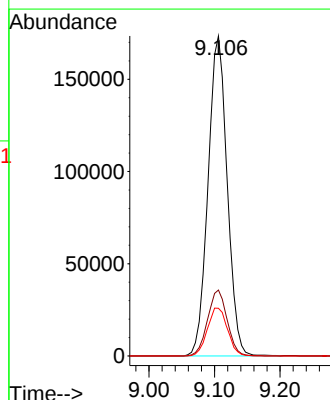
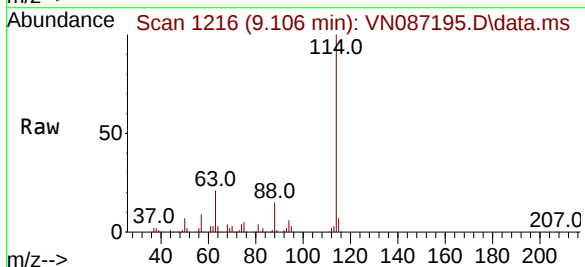
Tgt Ion: 114 Resp: 351922

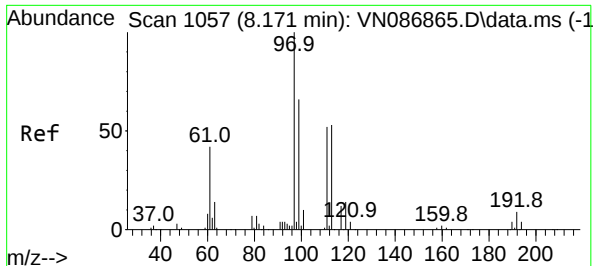
Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.6

88 14.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.099 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN087195.D

Acq: 26 Jun 2025 15:10

Instrument :

MSVOA_N

ClientSampleId :

COP-SOIL-PILE

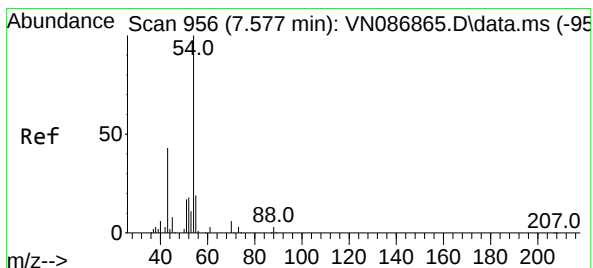
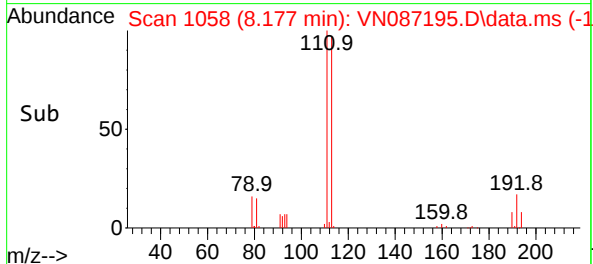
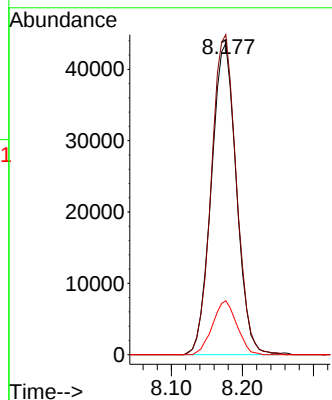
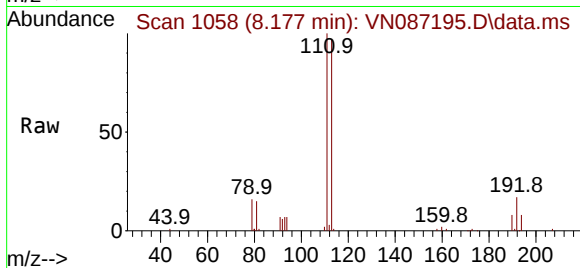
Tgt Ion:113 Resp: 106571

Ion Ratio Lower Upper

113 100

111 102.7 84.2 126.2

192 16.8 14.2 21.4



#37

Ethyl Acetate

Concen: 4.103 ug/l

RT: 7.571 min Scan# 955

Delta R.T. -0.006 min

Lab File: VN087195.D

Acq: 26 Jun 2025 15:10

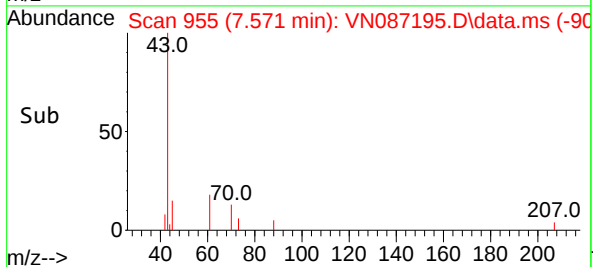
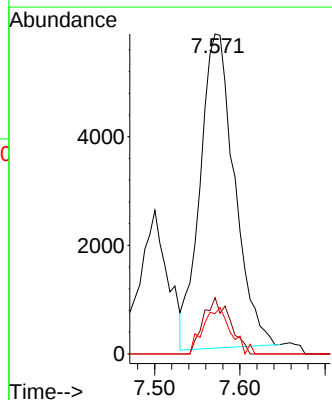
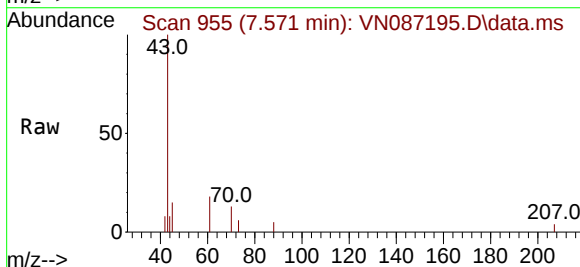
Tgt Ion: 43 Resp: 16231

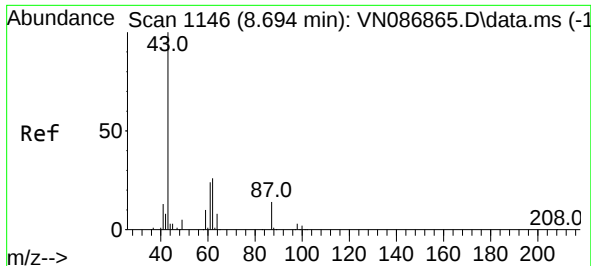
Ion Ratio Lower Upper

43 100

61 13.9 12.1 18.1

70 11.8 9.8 14.6

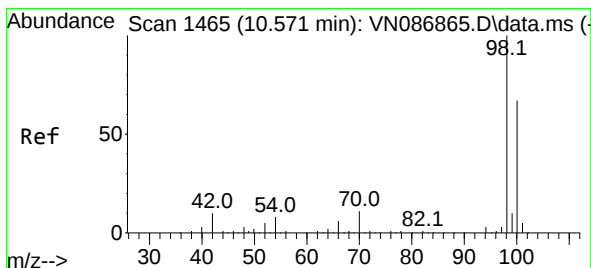
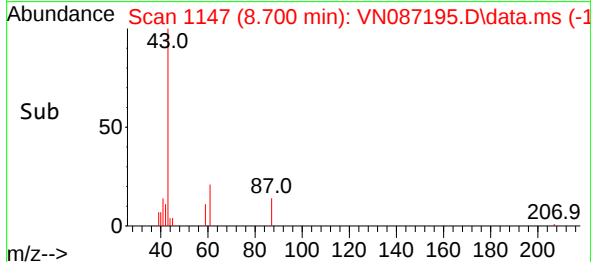
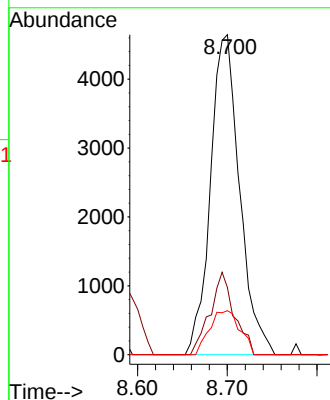
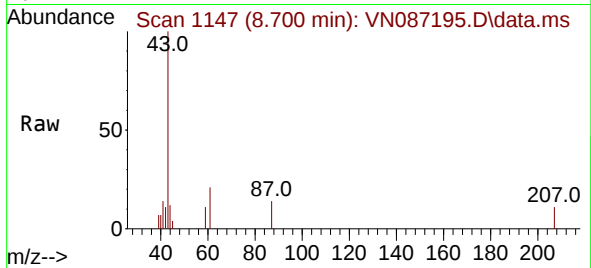




#43
Isopropyl Acetate
Concen: 1.650 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN087195.D
Acq: 26 Jun 2025 15:10

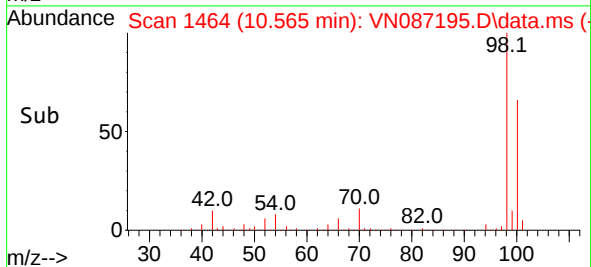
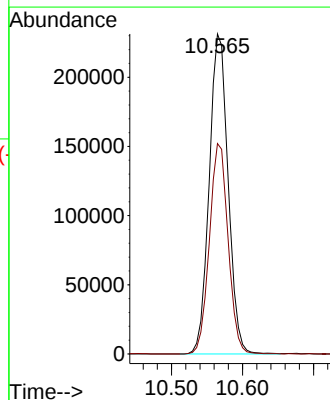
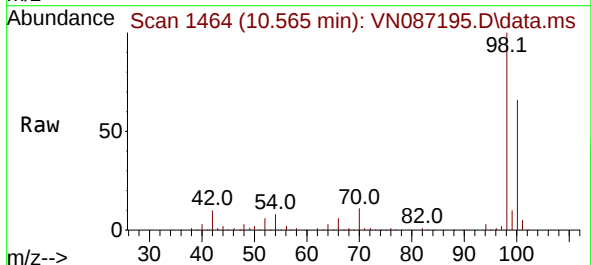
Instrument :
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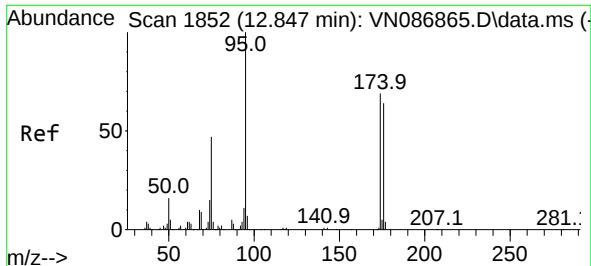
Tgt Ion: 43 Resp: 10475
Ion Ratio Lower Upper
43 100
61 21.5 22.1 33.1#
87 14.3 11.8 17.6



#50
Toluene-d8
Concen: 51.671 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087195.D
Acq: 26 Jun 2025 15:10

Tgt Ion: 98 Resp: 426607
Ion Ratio Lower Upper
98 100
100 65.2 53.4 80.0

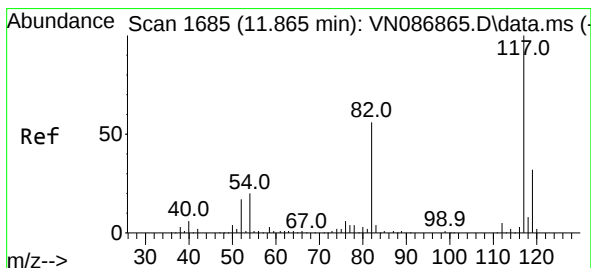
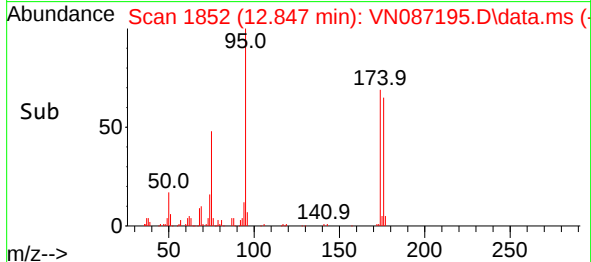
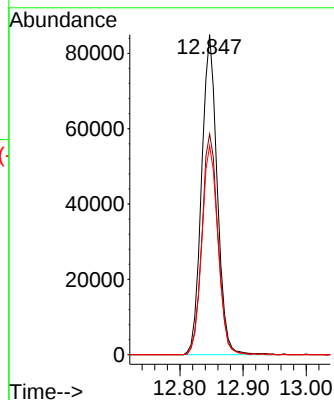
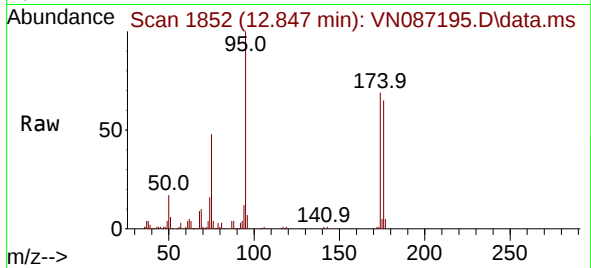




#62
4-Bromofluorobenzene
Concen: 47.398 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087195.D
Acq: 26 Jun 2025 15:10

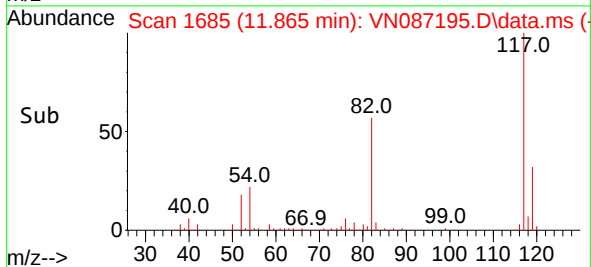
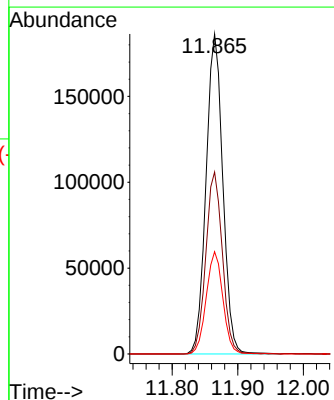
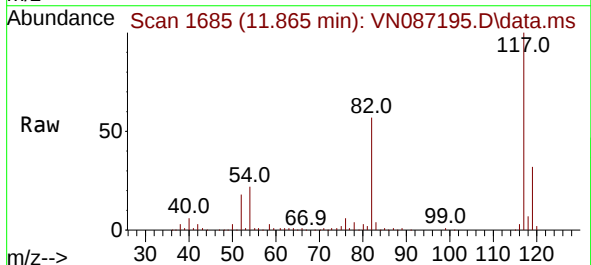
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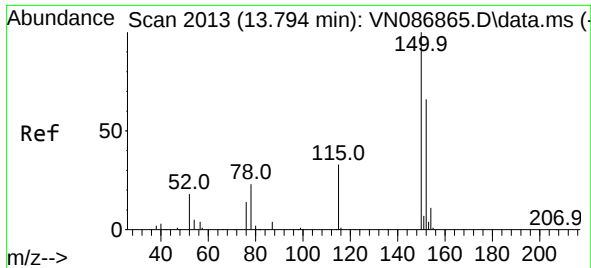
Tgt Ion: 95 Resp: 145391
Ion Ratio Lower Upper
95 100
174 71.1 0.0 141.8
176 67.4 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087195.D
Acq: 26 Jun 2025 15:10

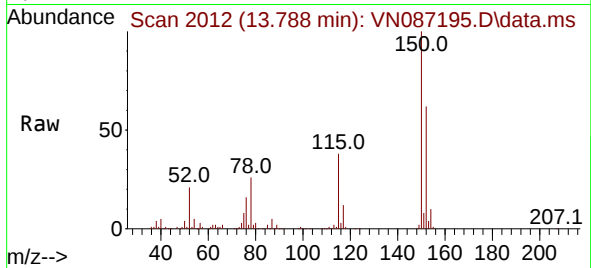
Tgt Ion: 117 Resp: 331140
Ion Ratio Lower Upper
117 100
82 56.9 44.6 67.0
119 31.9 25.5 38.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087195.D
 Acq: 26 Jun 2025 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
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Tgt Ion:152 Resp: 146598
 Ion Ratio Lower Upper
 152 100
 115 61.4 30.1 90.5
 150 158.0 0.0 345.0

