

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042825\
 Data File : VN086408.D
 Acq On : 28 Apr 2025 13:57
 Operator : JC\MD
 Sample : PB167744ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167744ZHE#05

Quant Time: Apr 29 01:52:43 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)

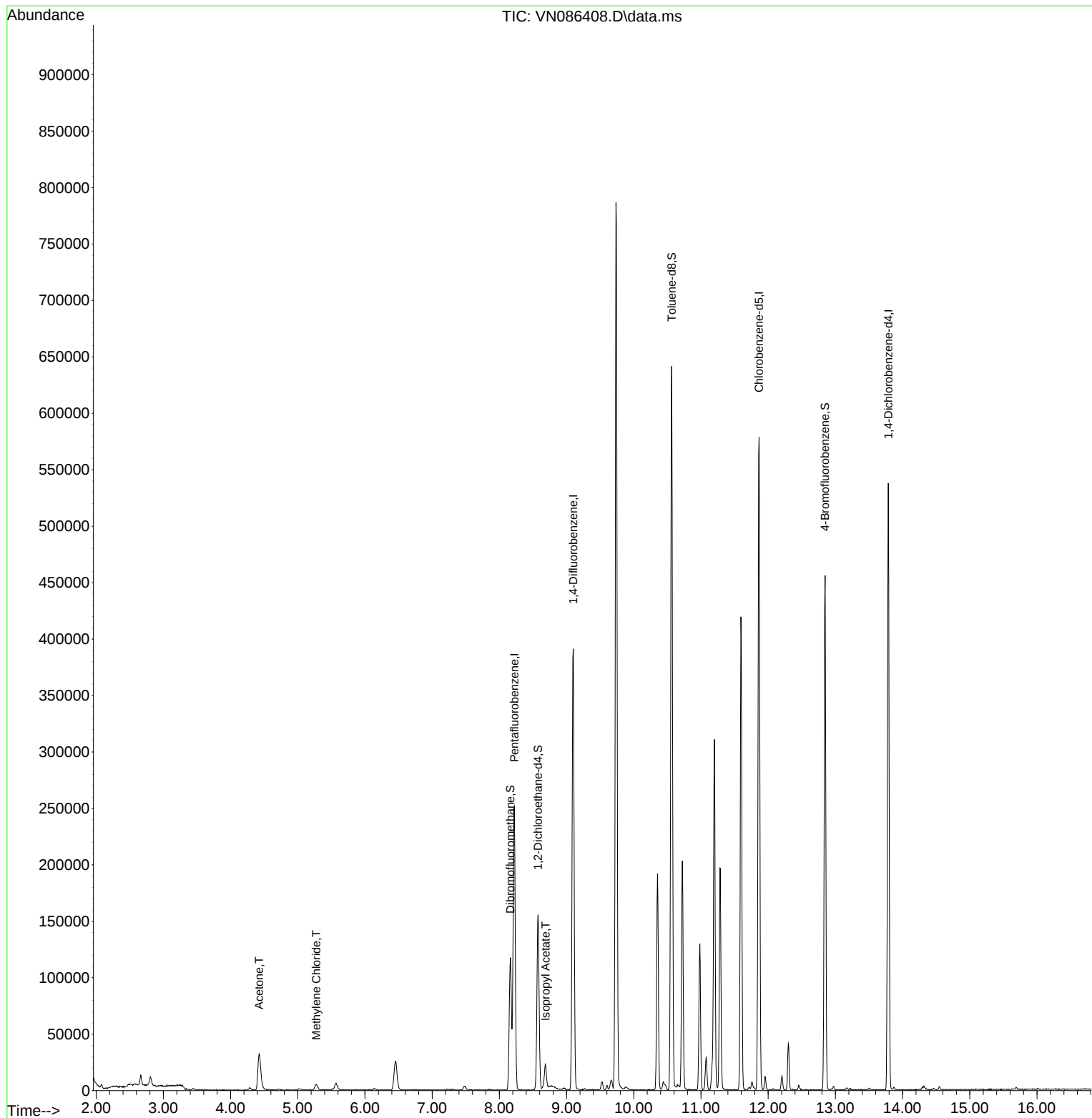
Internal Standards						
1) Pentafluorobenzene	8.224	168	187309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	350450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	336237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	141438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	128568	47.335	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.660%
35) Dibromofluoromethane	8.165	113	86984	53.480	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.960%
50) Toluene-d8	10.565	98	448259	51.567	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.140%
62) 4-Bromofluorobenzene	12.847	95	161186	50.838	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.680%
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	66378	66.495	ug/l	99
20) Methylene Chloride	5.277	84	4072	1.622	ug/l #	91
43) Isopropyl Acetate	8.688	43	27710	2.702	ug/l #	87

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

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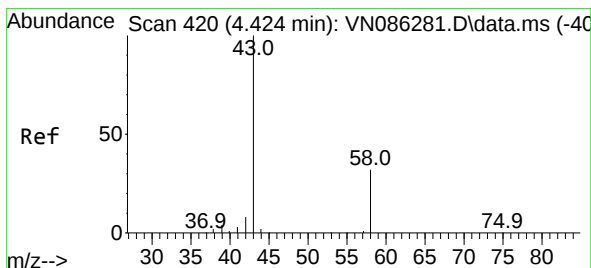
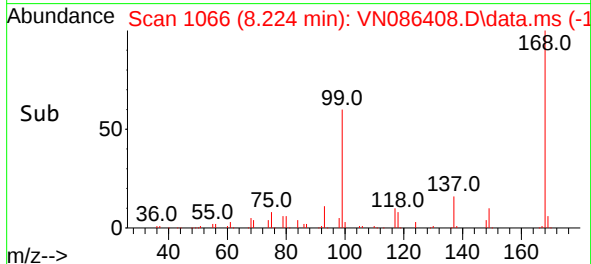
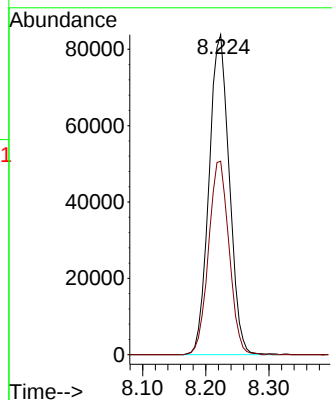
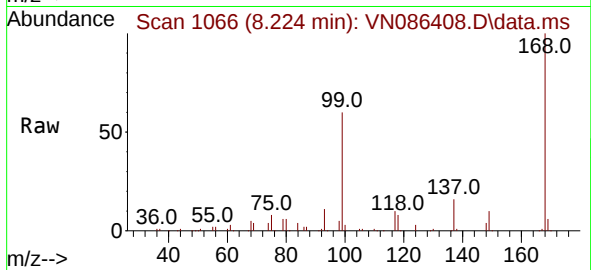




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086408.D
Acq: 28 Apr 2025 13:57

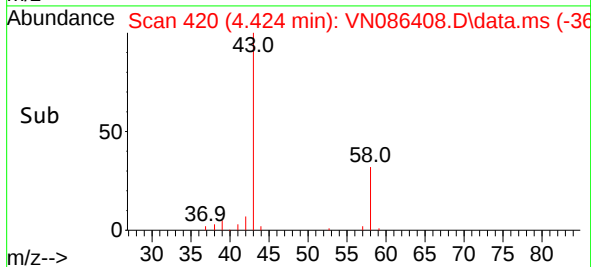
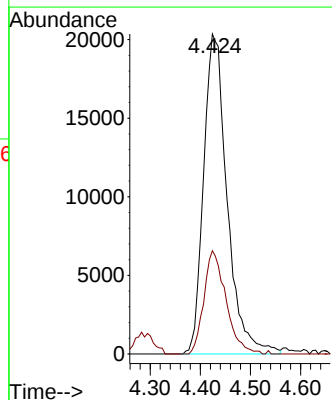
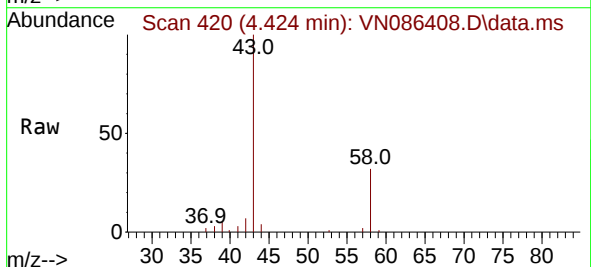
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#05

Tgt Ion:168 Resp: 187309
Ion Ratio Lower Upper
168 100
99 60.4 52.5 78.7



#16
Acetone
Concen: 66.495 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086408.D
Acq: 28 Apr 2025 13:57

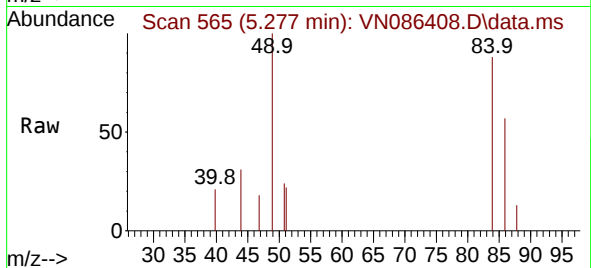
Tgt Ion: 43 Resp: 66378
Ion Ratio Lower Upper
43 100
58 32.2 25.3 37.9



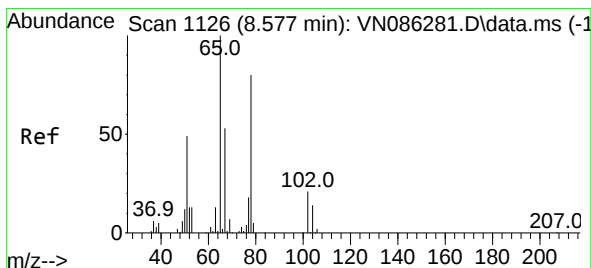
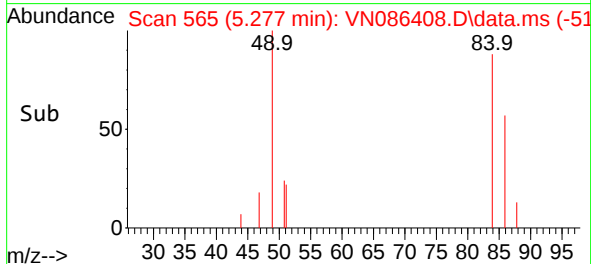
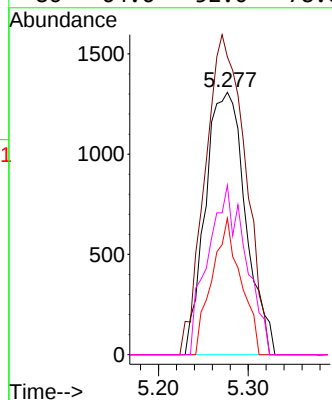


#20
Methylene Chloride
Concen: 1.622 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086408.D
Acq: 28 Apr 2025 13:57

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#05

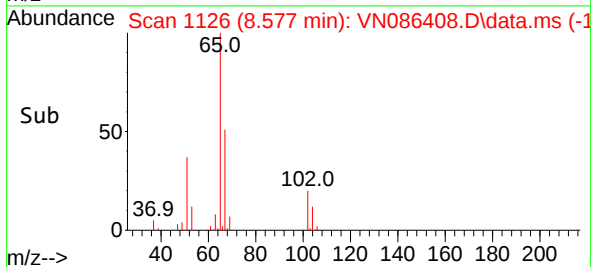
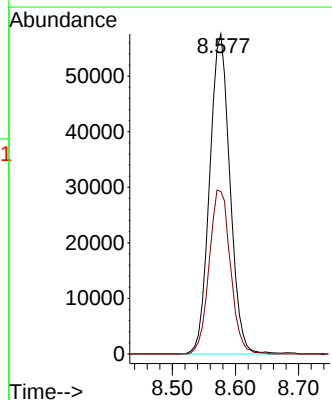
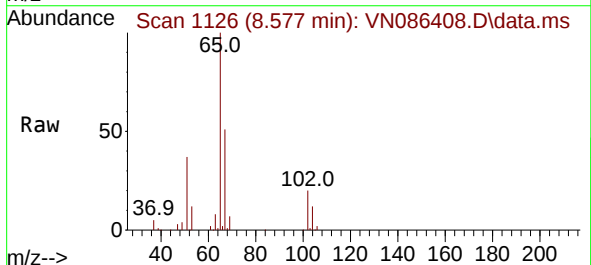


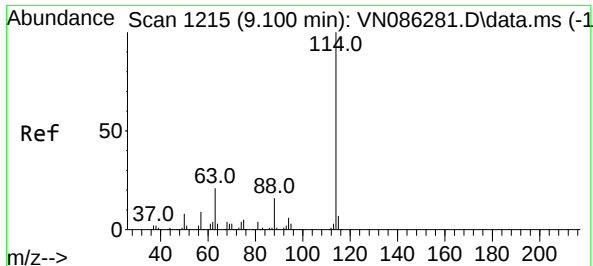
Tgt Ion:	84	Resp:	4072
Ion	Ratio	Lower	Upper
84	100		
49	113.4	98.2	147.2
51	52.0	29.8	44.6#
86	64.6	52.0	78.0



#33
1,2-Dichloroethane-d4
Concen: 47.335 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086408.D
Acq: 28 Apr 2025 13:57

Tgt Ion:	65	Resp:	128568
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# 1

Delta R.T. -0.000 min

Lab File: VN086408.D

Acq: 28 Apr 2025 13:57

Instrument :

MSVOA_N

ClientSampleId :

PB167744ZHE#05

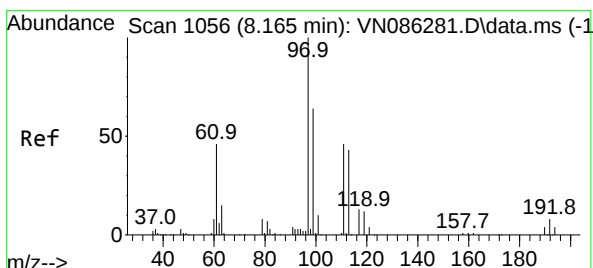
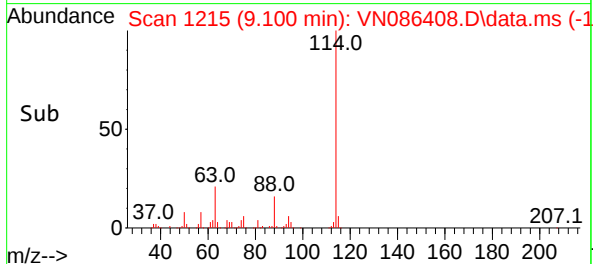
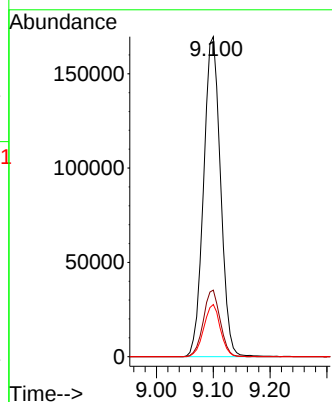
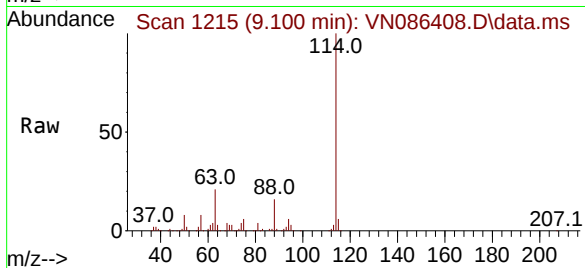
Tgt Ion:114 Resp: 350450

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

88 16.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.480 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086408.D

Acq: 28 Apr 2025 13:57

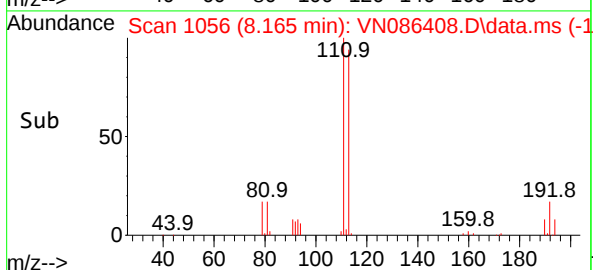
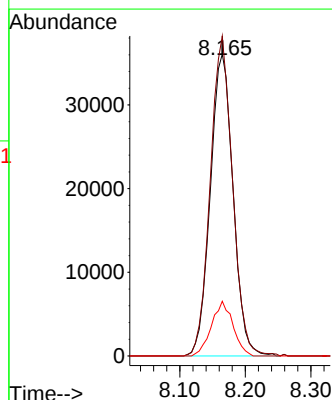
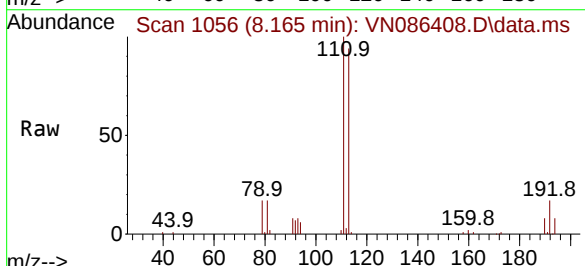
Tgt Ion:113 Resp: 86984

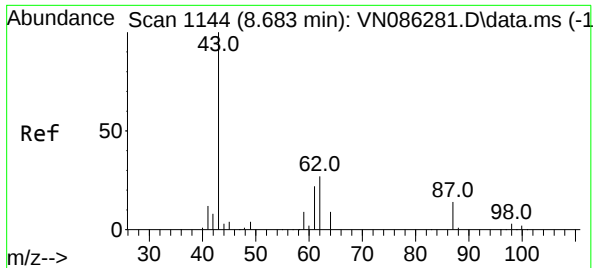
Ion Ratio Lower Upper

113 100

111 103.7 83.4 125.0

192 17.2 13.7 20.5

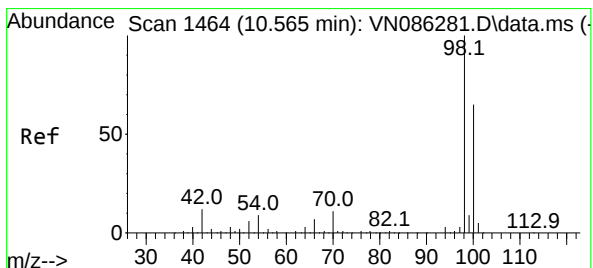
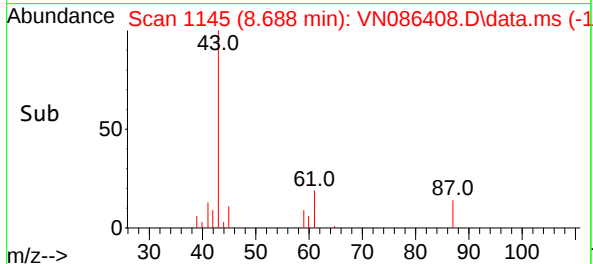
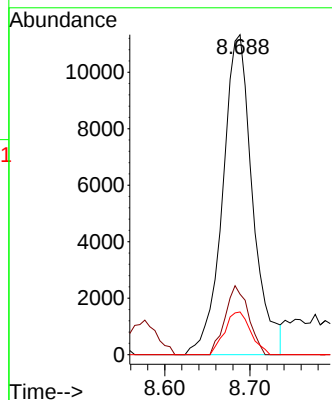
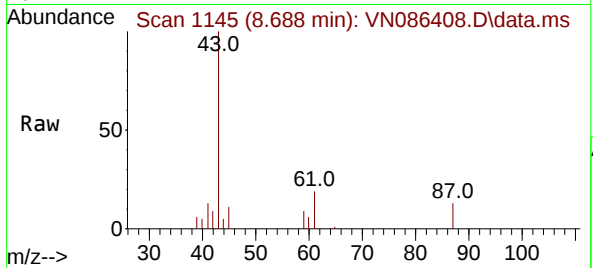




#43
Isopropyl Acetate
Concen: 2.702 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086408.D
Acq: 28 Apr 2025 13:57

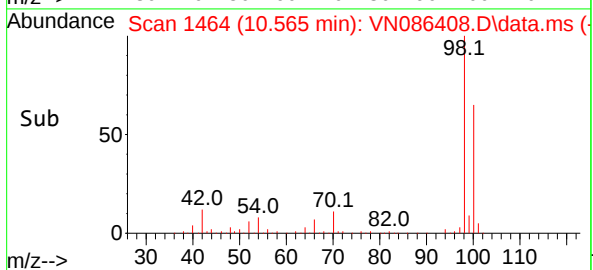
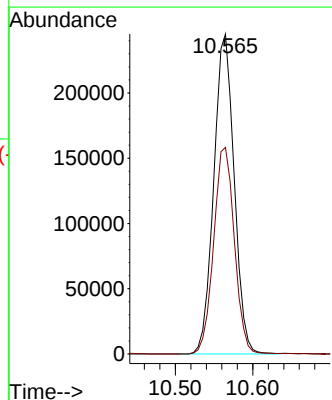
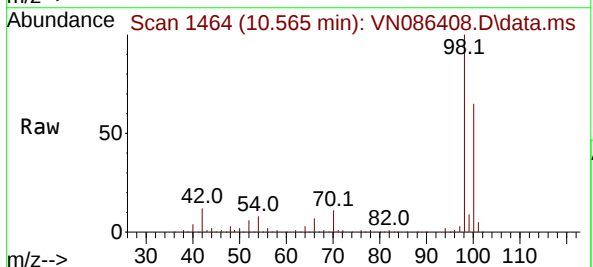
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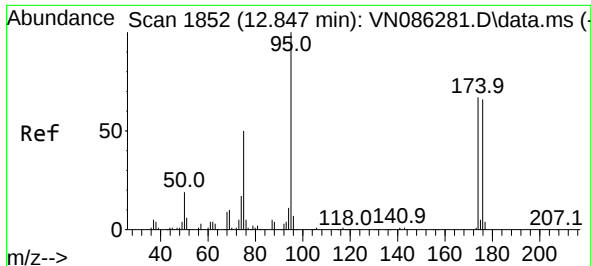
Tgt Ion: 43 Resp: 27710
Ion Ratio Lower Upper
43 100
61 16.8 20.5 30.7#
87 11.6 10.5 15.7



#50
Toluene-d8
Concen: 51.567 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086408.D
Acq: 28 Apr 2025 13:57

Tgt Ion: 98 Resp: 448259
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7

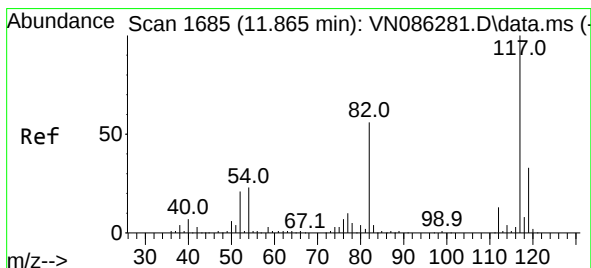
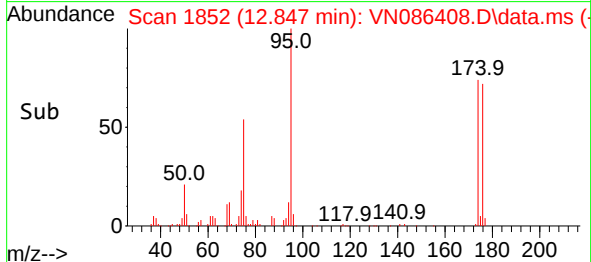
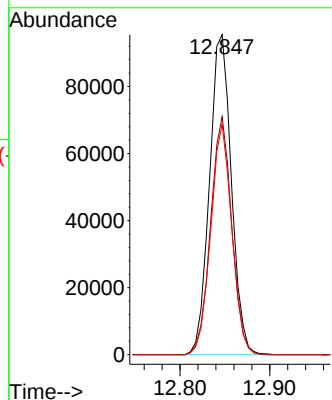
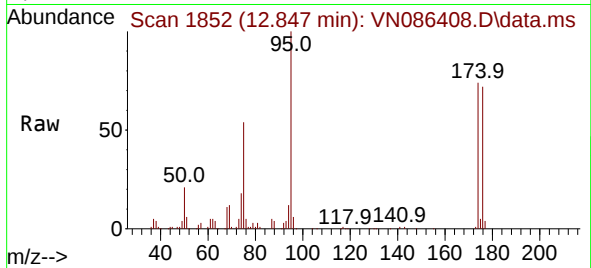




#62
4-Bromofluorobenzene
Concen: 50.838 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086408.D
Acq: 28 Apr 2025 13:57

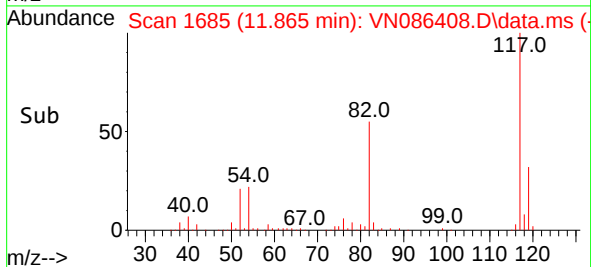
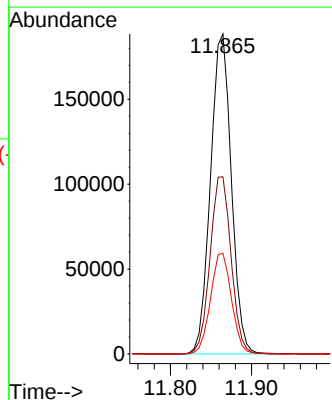
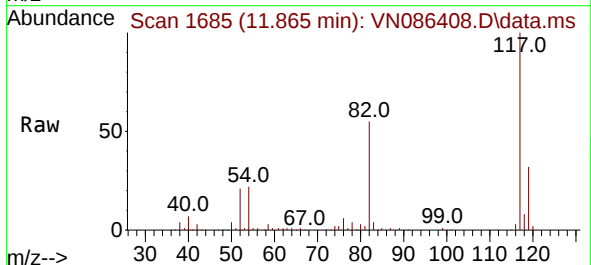
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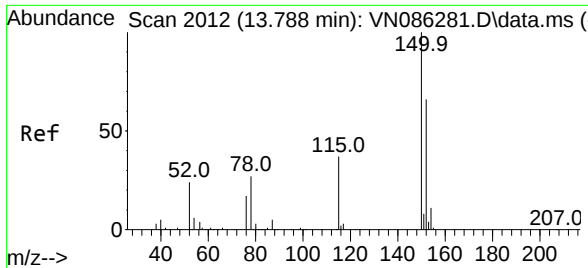
Tgt Ion: 95 Resp: 161186
Ion Ratio Lower Upper
95 100
174 72.1 0.0 133.4
176 69.1 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086408.D
Acq: 28 Apr 2025 13:57

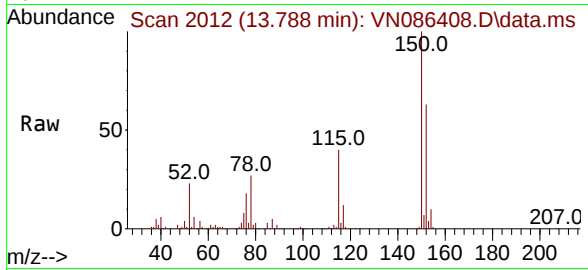
Tgt Ion: 117 Resp: 336237
Ion Ratio Lower Upper
117 100
82 55.4 44.7 67.1
119 31.5 26.4 39.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086408.D
 Acq: 28 Apr 2025 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167744ZHE#05



Tgt Ion:	152	Resp:	141438
Ion Ratio	Lower	Upper	
152	100		
115	62.8	31.9	95.9
150	160.2	0.0	352.0

