

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033125\
 Data File : VN086182.D
 Acq On : 31 Mar 2025 20:16
 Operator : JC\MD
 Sample : PB167374ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167374ZHE#06

Quant Time: Apr 01 01:40:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

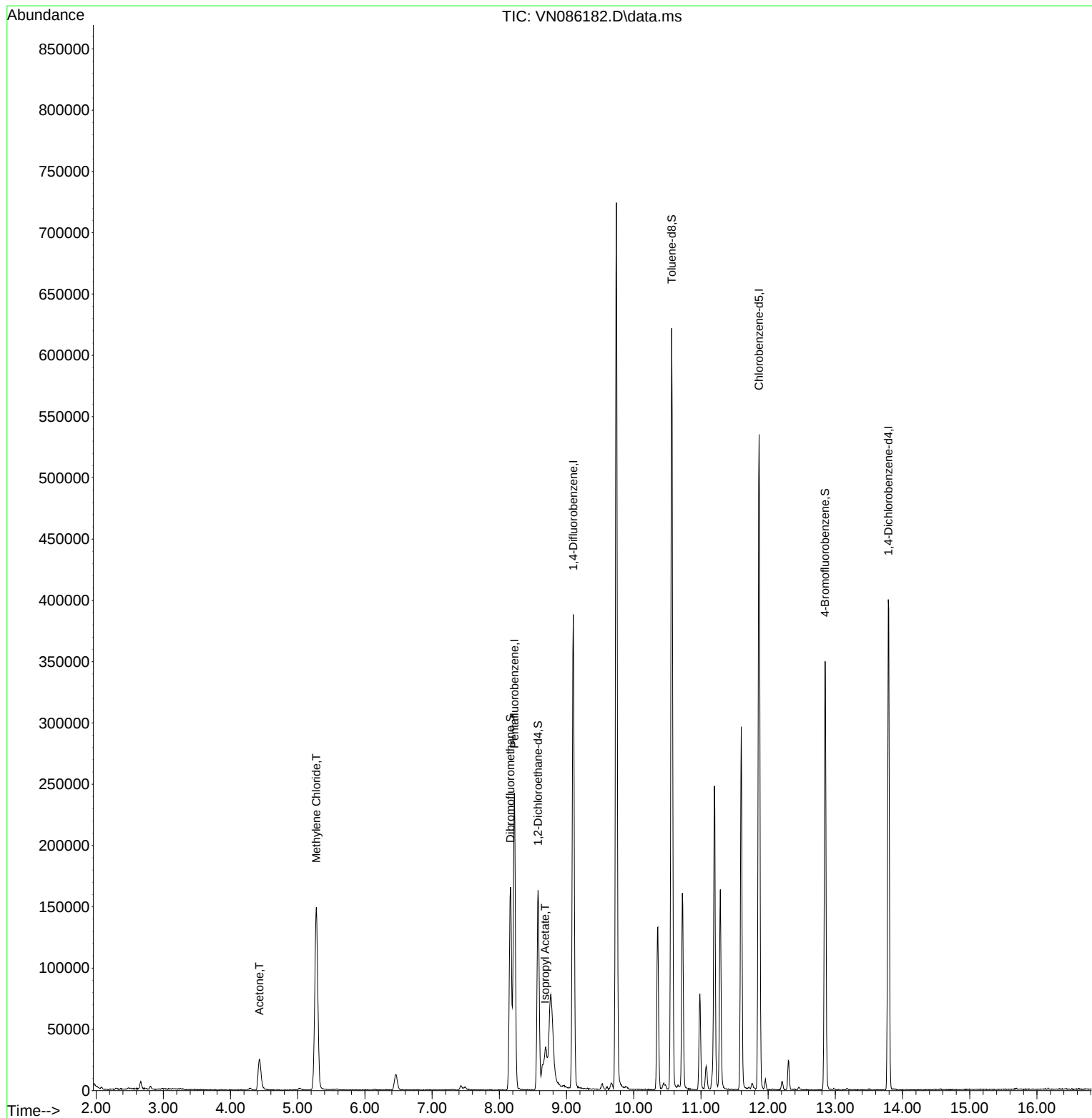
Internal Standards						
1) Pentafluorobenzene	8.224	168	173060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	342725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	325187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115982	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	135476	57.168	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.340%
35) Dibromofluoromethane	8.165	113	123285	51.537	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.080%
50) Toluene-d8	10.565	98	443618	51.097	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.200%
62) 4-Bromofluorobenzene	12.847	95	123370	39.845	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	79.700%
Target Compounds						
						Qvalue
16) Acetone	4.430	43	50511	69.767	ug/l	94
20) Methylene Chloride	5.277	84	123351	58.240	ug/l	96
43) Isopropyl Acetate	8.683	43	50080	8.697	ug/l #	62

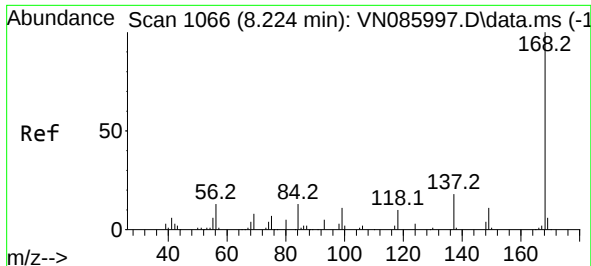
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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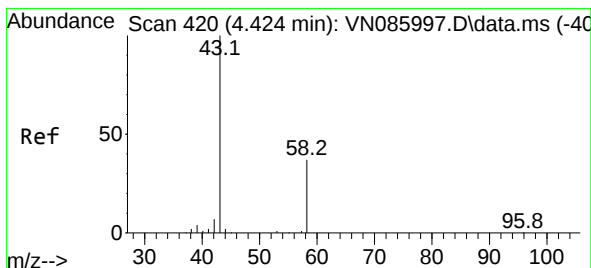
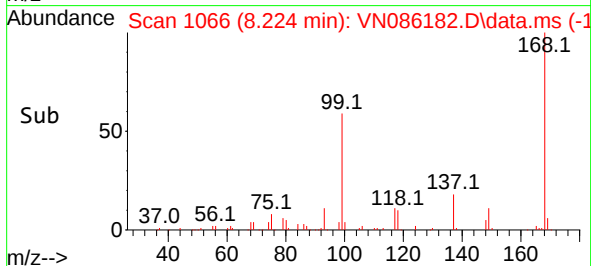
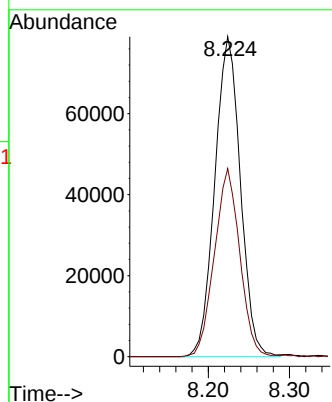
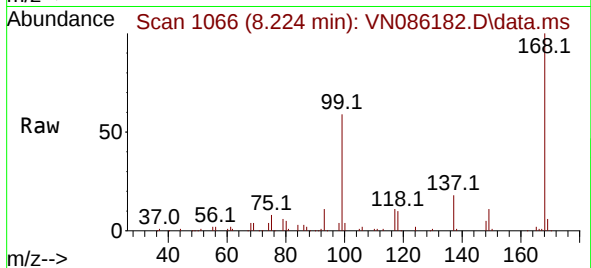




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

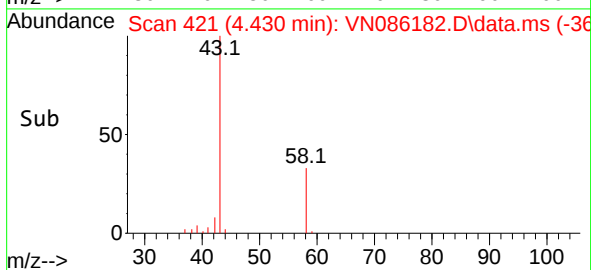
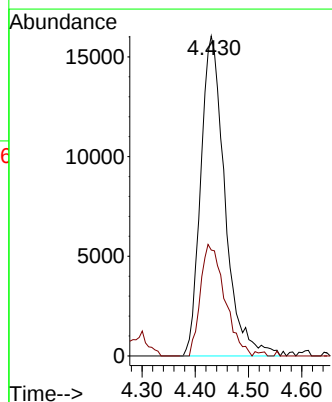
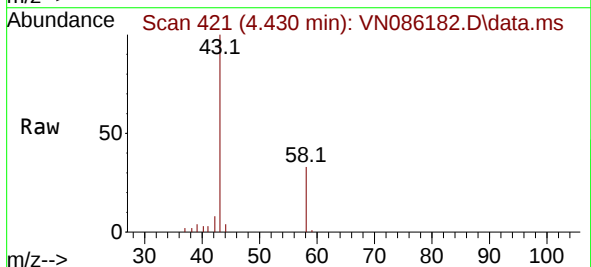
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#06

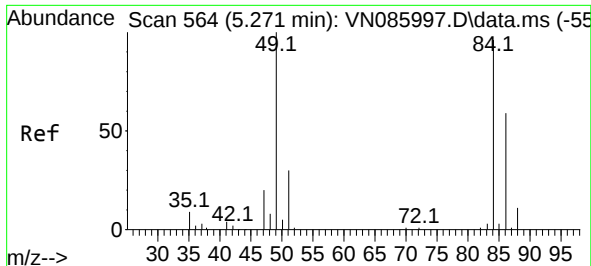
Tgt Ion:168 Resp: 173060
Ion Ratio Lower Upper
168 100
99 58.8 49.4 74.2



#16
Acetone
Concen: 69.767 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

Tgt Ion: 43 Resp: 50511
Ion Ratio Lower Upper
43 100
58 33.1 29.4 44.2



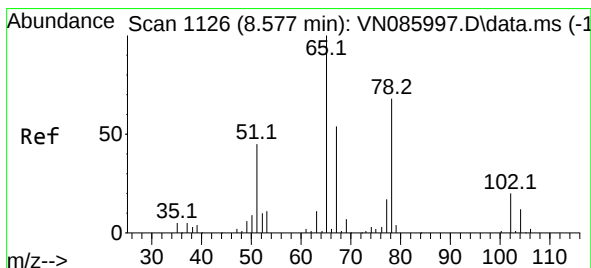
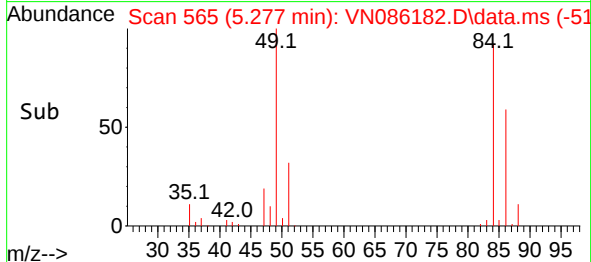
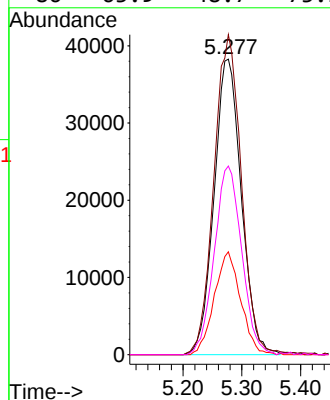
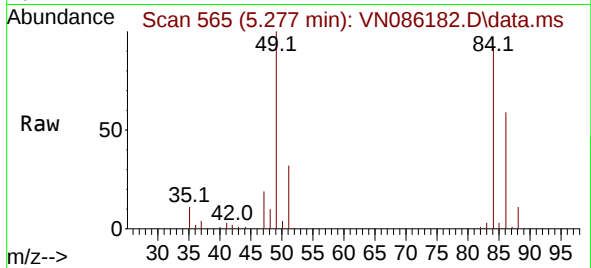


#20
Methylene Chloride
Concen: 58.240 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#06

Tgt Ion: 84 Resp: 123351

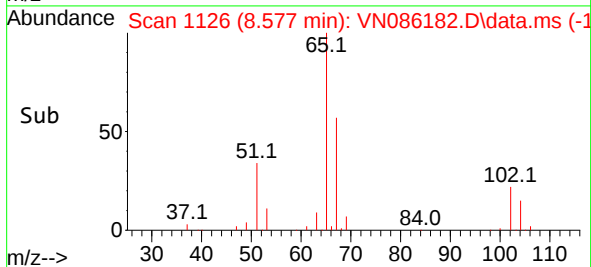
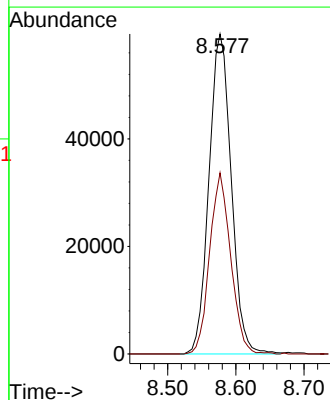
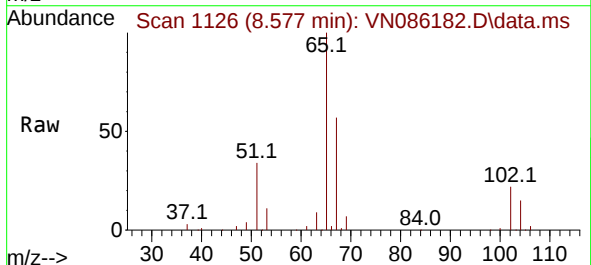
Ion	Ratio	Lower	Upper
84	100		
49	108.3	83.3	124.9
51	34.8	24.8	37.2
86	63.9	48.7	73.1

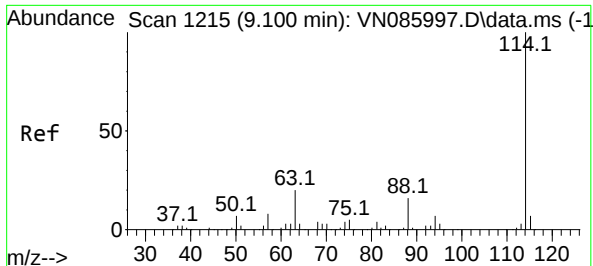


#33
1,2-Dichloroethane-d4
Concen: 57.168 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

Tgt Ion: 65 Resp: 135476

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086182.D

Acq: 31 Mar 2025 20:16

Instrument :

MSVOA_N

ClientSampleId :

PB167374ZHE#06

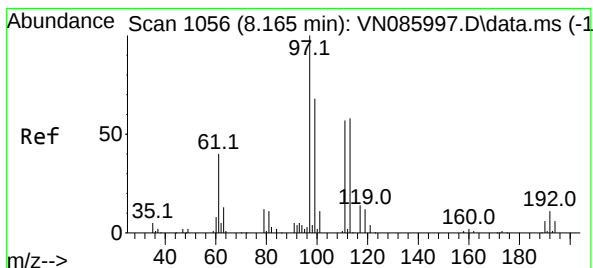
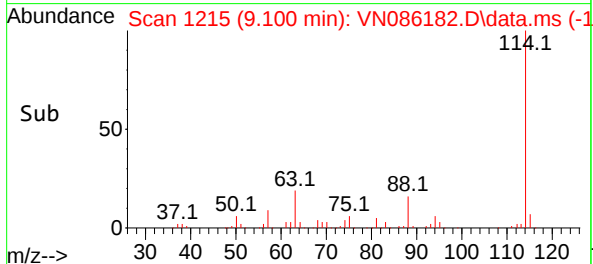
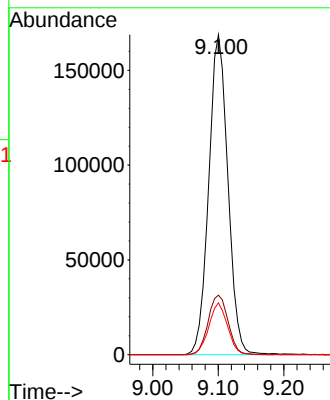
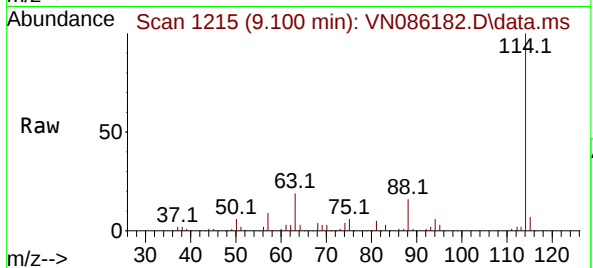
Tgt Ion:114 Resp: 342725

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.6

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.537 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086182.D

Acq: 31 Mar 2025 20:16

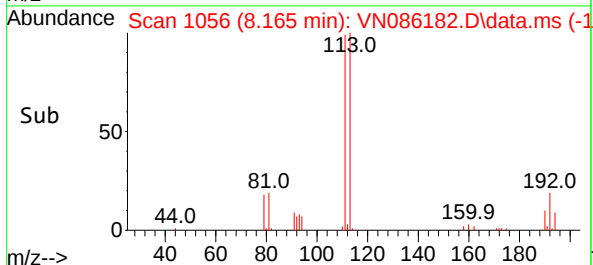
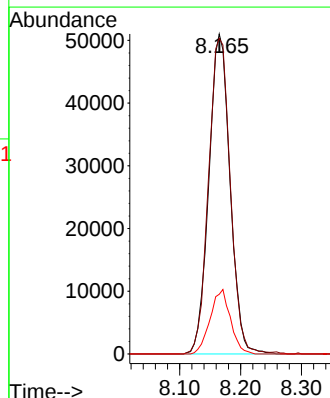
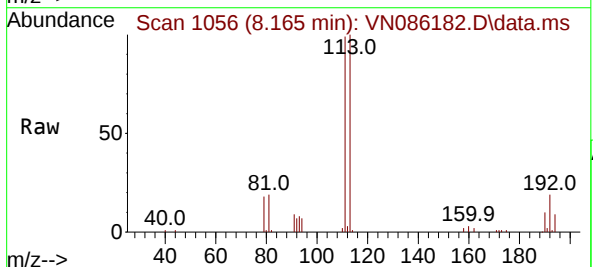
Tgt Ion:113 Resp: 123285

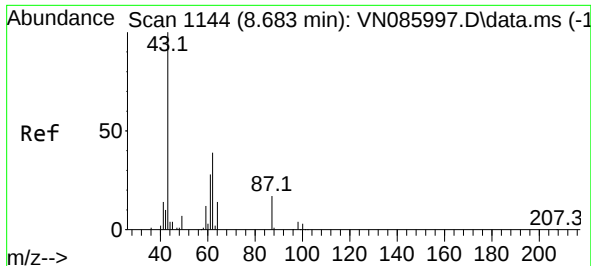
Ion Ratio Lower Upper

113 100

111 101.1 81.8 122.8

192 19.3 15.9 23.9

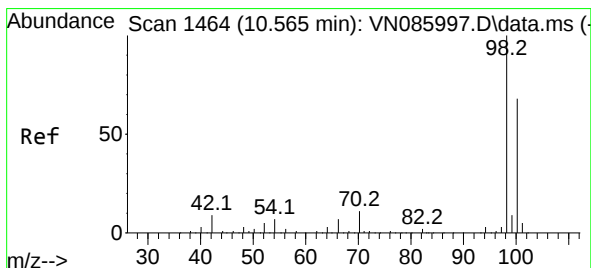
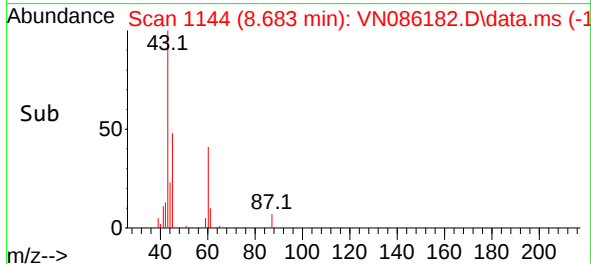
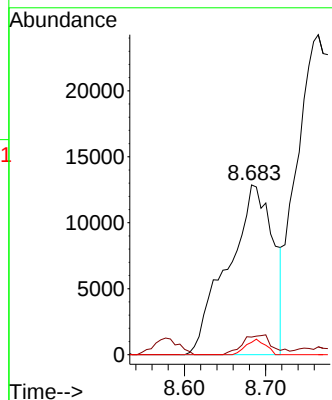
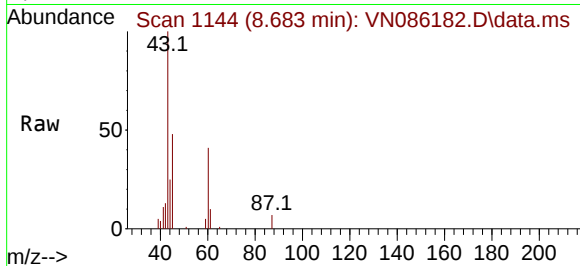




#43
Isopropyl Acetate
Concen: 8.697 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

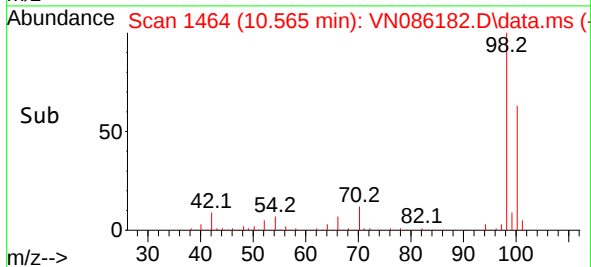
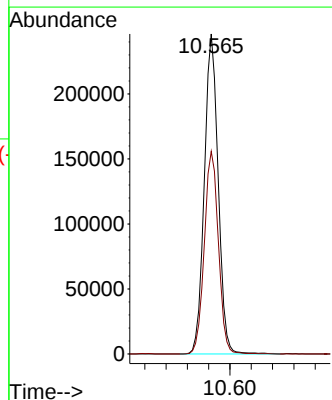
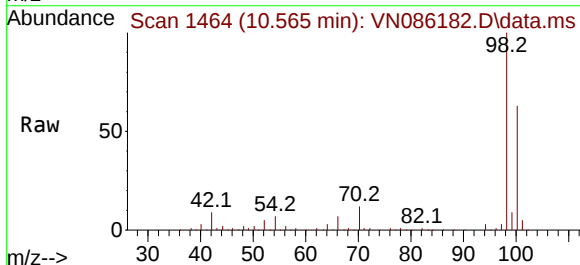
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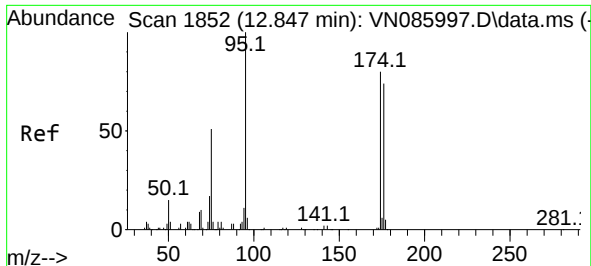
Tgt Ion: 43 Resp: 50080
Ion Ratio Lower Upper
43 100
61 7.6 25.0 37.6#
87 3.9 13.0 19.4#



#50
Toluene-d8
Concen: 51.097 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

Tgt Ion: 98 Resp: 443618
Ion Ratio Lower Upper
98 100
100 64.5 53.1 79.7

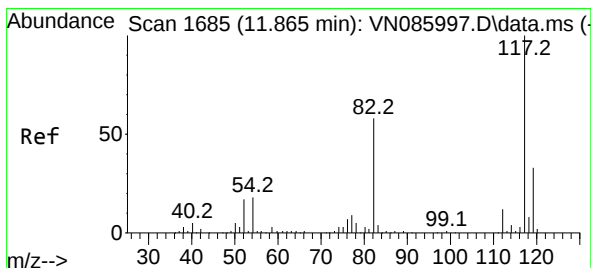
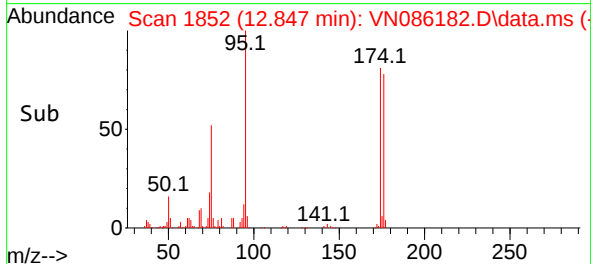
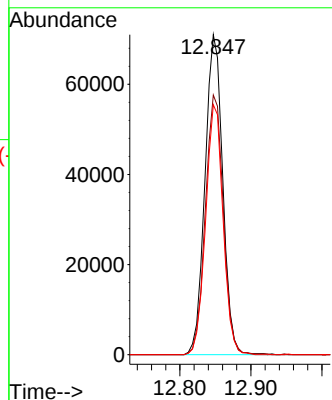
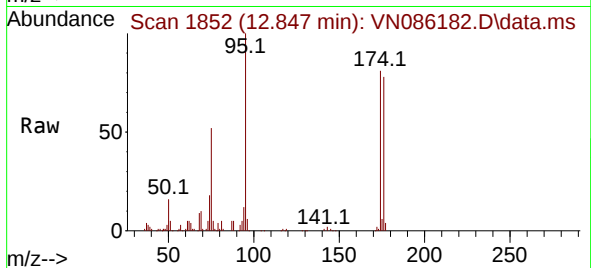




#62
4-Bromofluorobenzene
Concen: 39.845 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

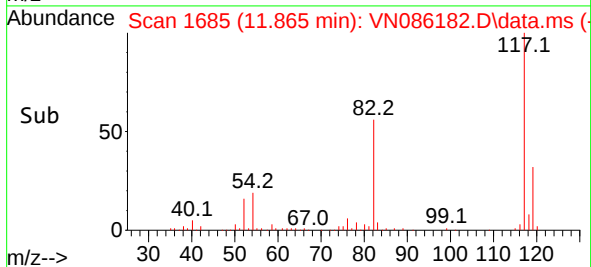
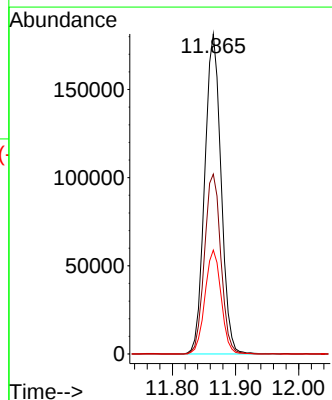
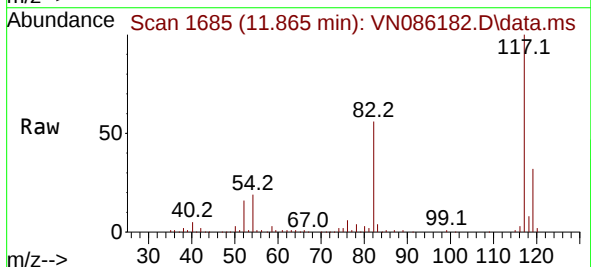
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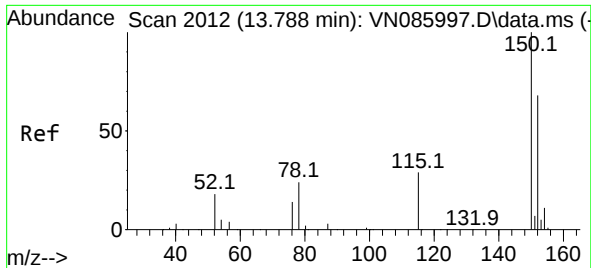
Tgt Ion: 95 Resp: 123370
Ion Ratio Lower Upper
95 100
174 82.6 0.0 156.8
176 76.8 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

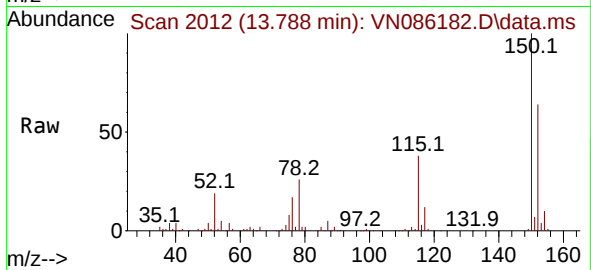
Tgt Ion: 117 Resp: 325187
Ion Ratio Lower Upper
117 100
82 56.2 46.7 70.1
119 32.5 26.5 39.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086182.D
 Acq: 31 Mar 2025 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167374ZHE#06



Tgt Ion:152 Resp: 115982
 Ion Ratio Lower Upper
 152 100
 115 60.0 31.1 93.2
 150 159.7 0.0 359.6

