

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
 Data File : VN086040.D
 Acq On : 21 Mar 2025 15:17
 Operator : JC\MD
 Sample : PB167234TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167234TB

Quant Time: Mar 21 22:58:29 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)

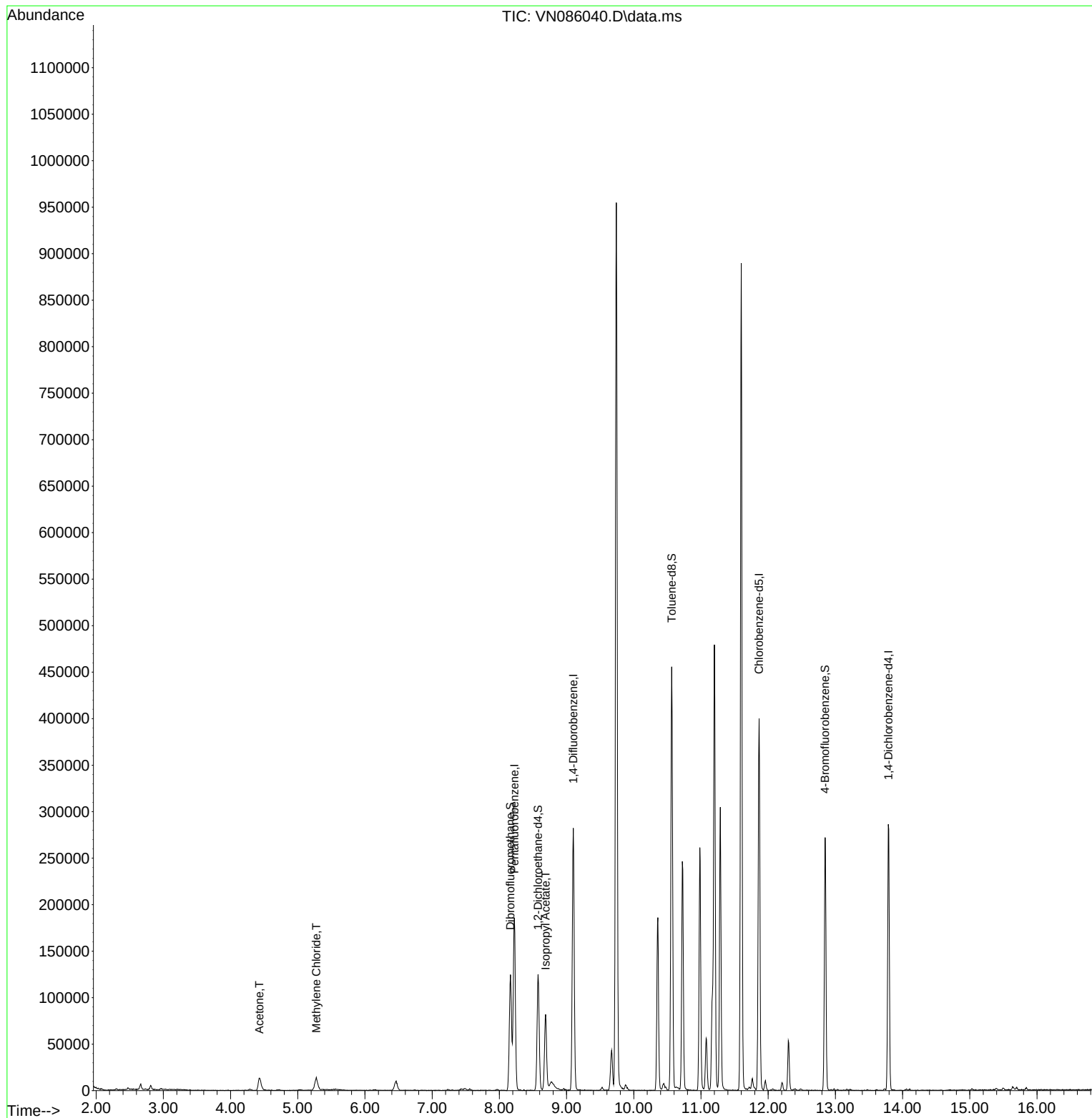
Internal Standards						
1) Pentafluorobenzene	8.224	168	133448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	243178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	238825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	82133	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	105034	57.479	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.960%
35) Dibromofluoromethane	8.165	113	88268	52.003	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.000%
50) Toluene-d8	10.565	98	322533	52.357	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.720%
62) 4-Bromofluorobenzene	12.847	95	95610	43.520	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	87.040%
Target Compounds						
						Qvalue
16) Acetone	4.430	43	26092	46.737	ug/l	97
20) Methylene Chloride	5.277	84	10771	6.595	ug/l	91
43) Isopropyl Acetate	8.688	43	88364	21.627	ug/l #	88

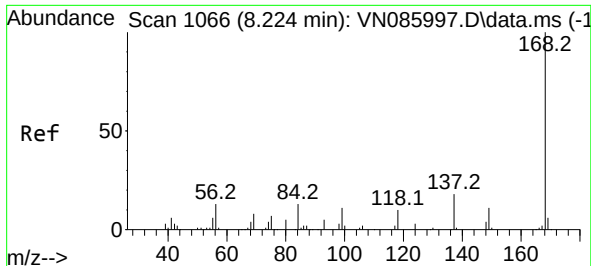
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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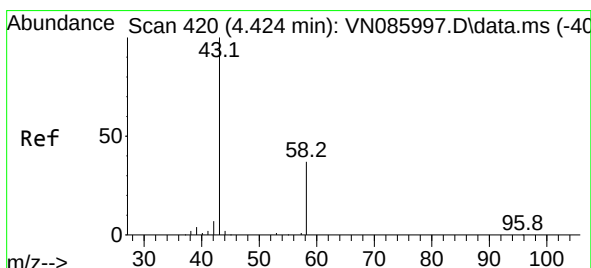
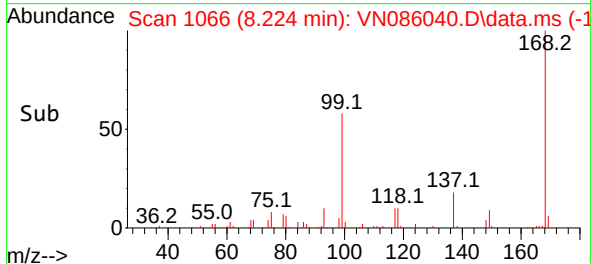
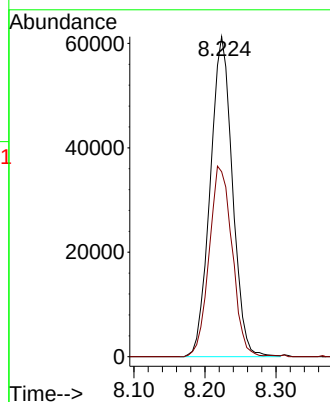
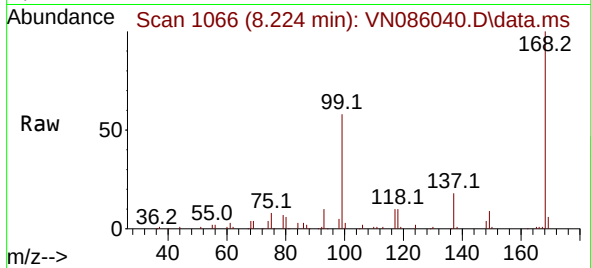




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086040.D
Acq: 21 Mar 2025 15:17

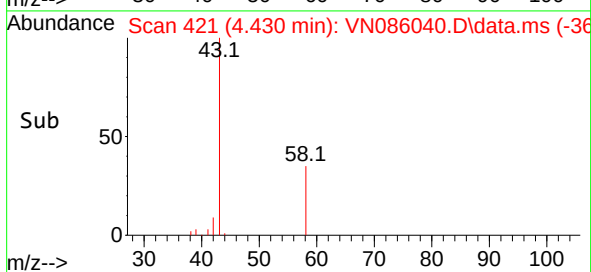
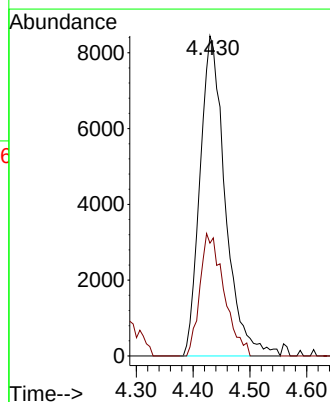
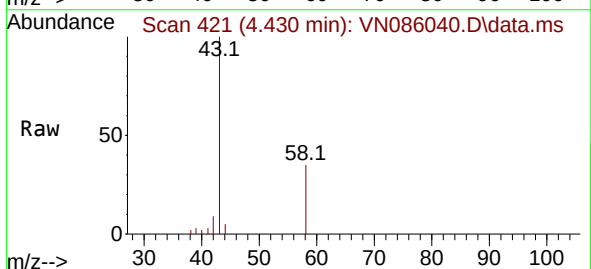
Instrument :
MSVOA_N
ClientSampleId :
PB167234TB

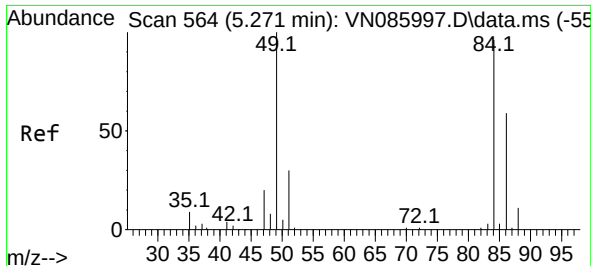
Tgt Ion:168 Resp: 133448
Ion Ratio Lower Upper
168 100
99 57.8 49.4 74.2



#16
Acetone
Concen: 46.737 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086040.D
Acq: 21 Mar 2025 15:17

Tgt Ion: 43 Resp: 26092
Ion Ratio Lower Upper
43 100
58 35.2 29.4 44.2



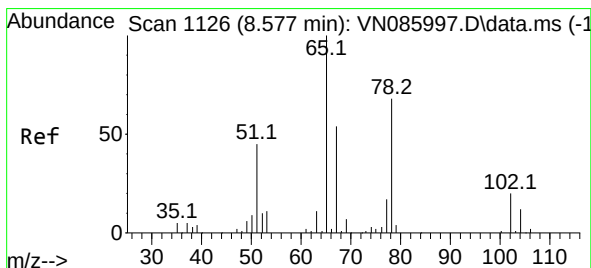
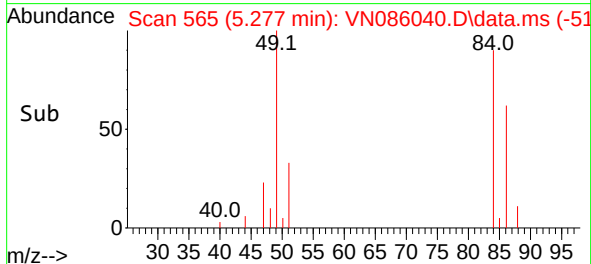
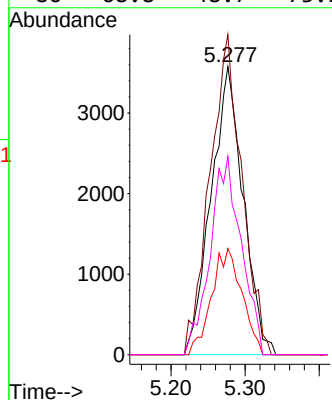
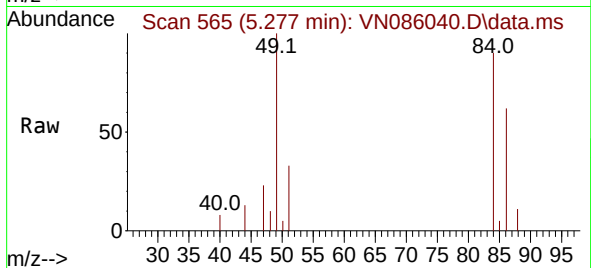


#20
Methylene Chloride
Concen: 6.595 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086040.D
Acq: 21 Mar 2025 15:17

Instrument :
MSVOA_N
ClientSampleId :
PB167234TB

Tgt Ion: 84 Resp: 10771

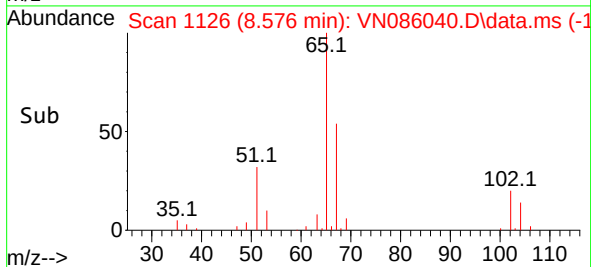
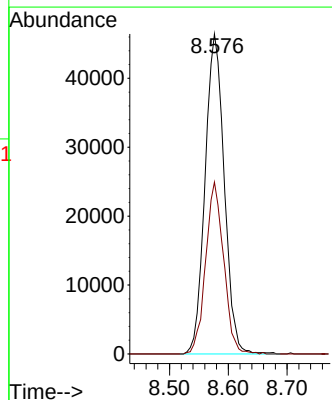
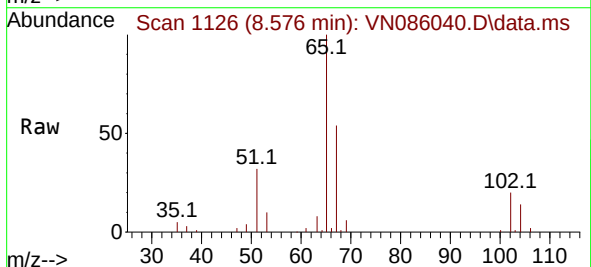
Ion	Ratio	Lower	Upper
84	100		
49	111.1	83.3	124.9
51	36.9	24.8	37.2
86	68.8	48.7	73.1

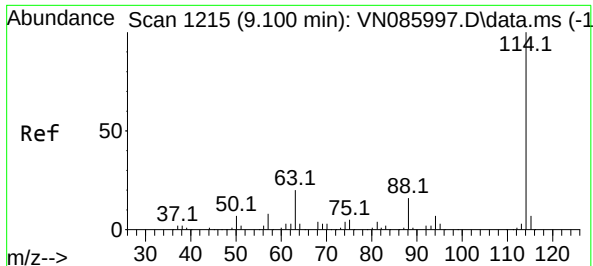


#33
1,2-Dichloroethane-d4
Concen: 57.479 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086040.D
Acq: 21 Mar 2025 15:17

Tgt Ion: 65 Resp: 105034

Ion	Ratio	Lower	Upper
65	100		
67	50.6	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: VN086040.D

Acq: 21 Mar 2025 15:17

Instrument :

MSVOA_N

ClientSampleId :

PB167234TB

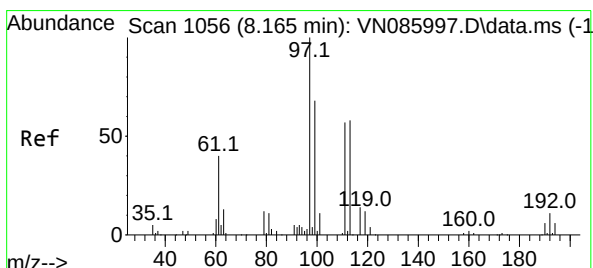
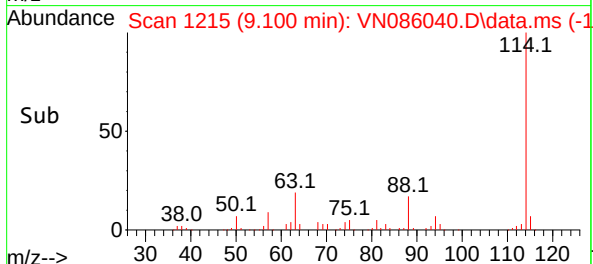
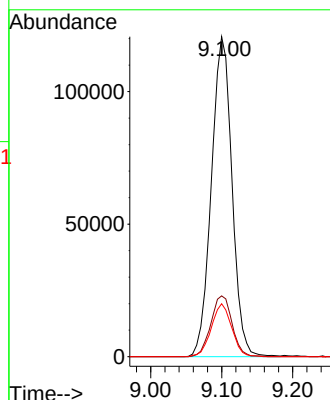
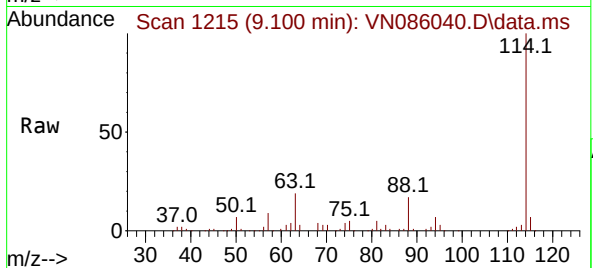
Tgt Ion:114 Resp: 243178

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 16.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.003 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086040.D

Acq: 21 Mar 2025 15:17

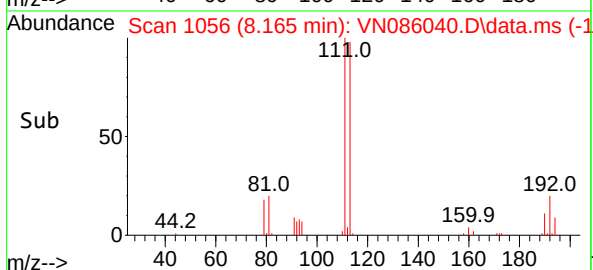
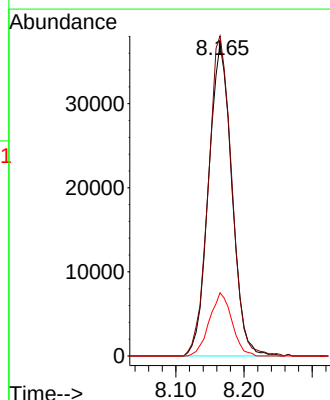
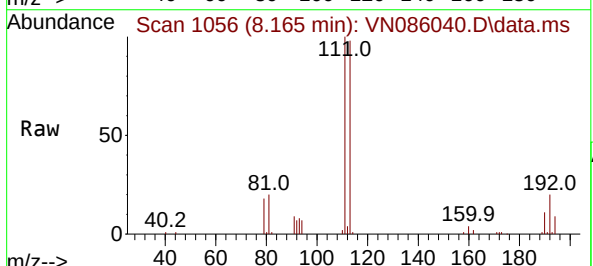
Tgt Ion:113 Resp: 88268

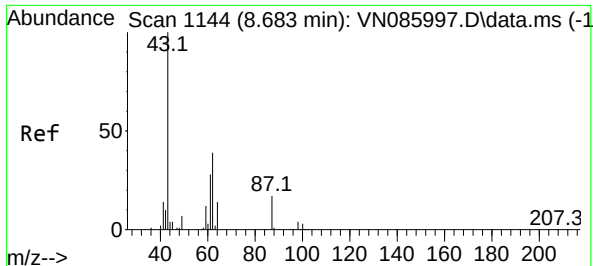
Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.8

192 19.6 15.9 23.9





#43

Isopropyl Acetate

Concen: 21.627 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN086040.D

Acq: 21 Mar 2025 15:17

Instrument :

MSVOA_N

ClientSampleId :

PB167234TB

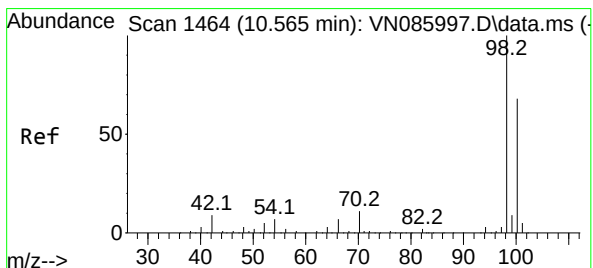
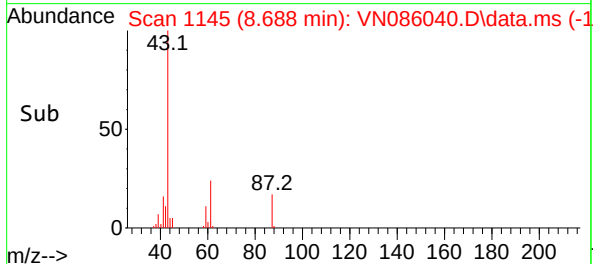
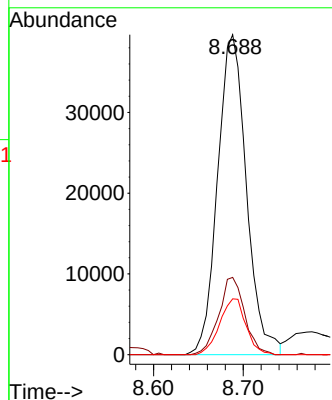
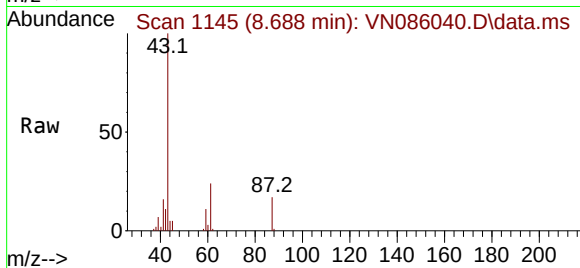
Tgt Ion: 43 Resp: 88364

Ion Ratio Lower Upper

43 100

61 21.7 25.0 37.6#

87 16.0 13.0 19.4



#50

Toluene-d8

Concen: 52.357 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086040.D

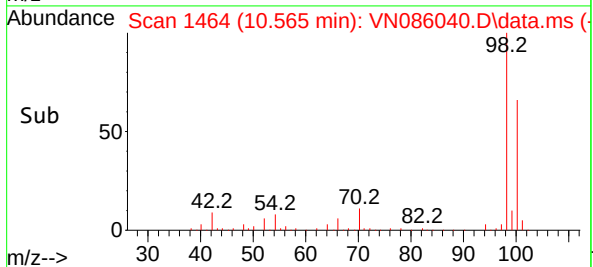
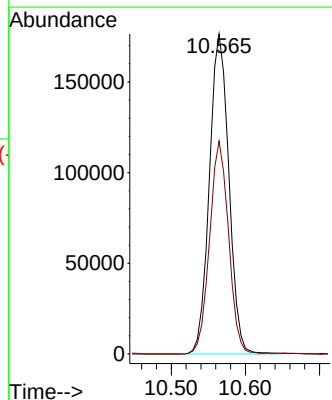
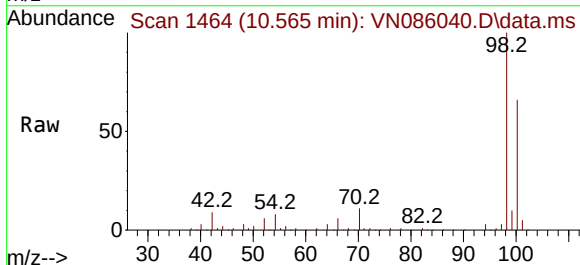
Acq: 21 Mar 2025 15:17

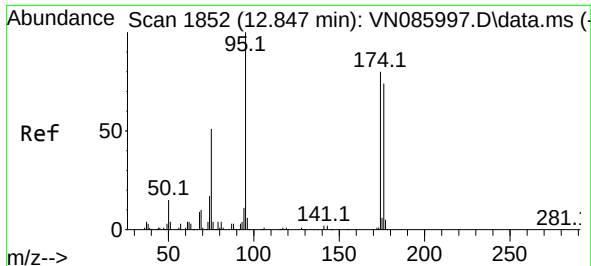
Tgt Ion: 98 Resp: 322533

Ion Ratio Lower Upper

98 100

100 64.7 53.1 79.7

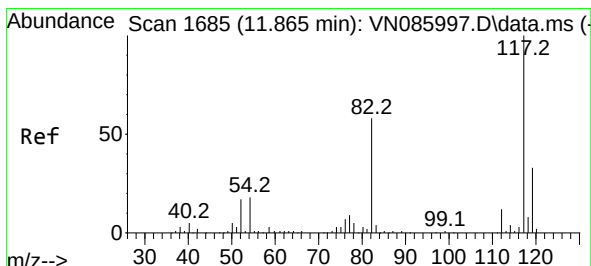
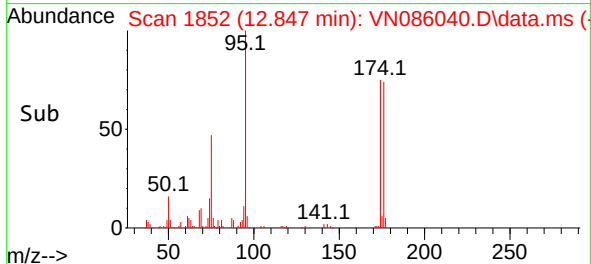
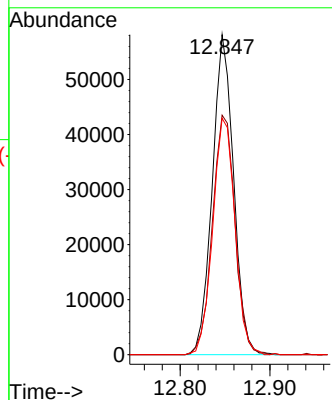
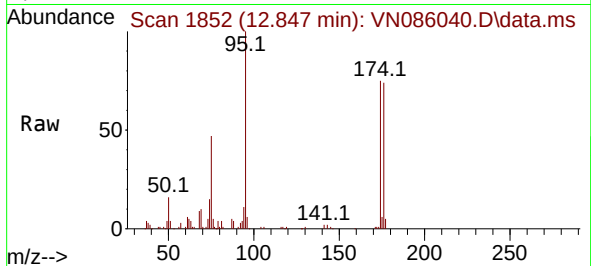




#62
4-Bromofluorobenzene
Concen: 43.520 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086040.D
Acq: 21 Mar 2025 15:17

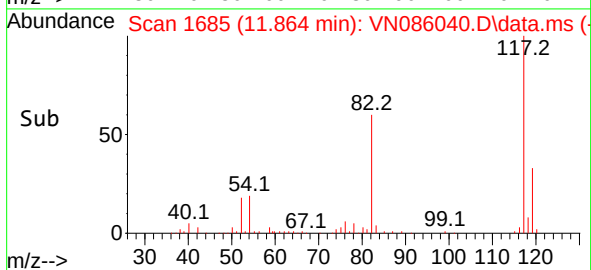
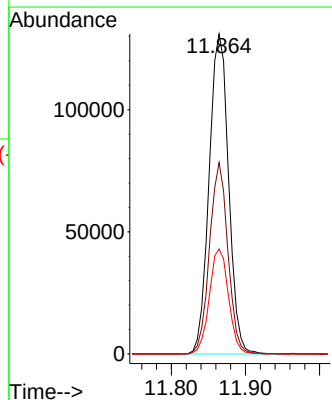
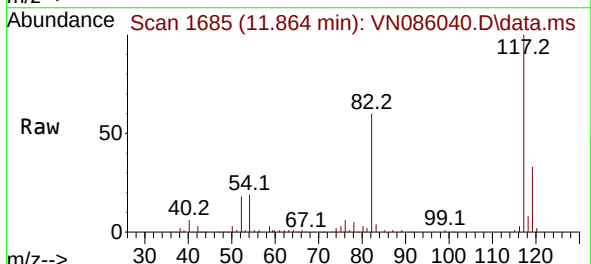
Instrument :
MSVOA_N
ClientSampleId :
PB167234TB

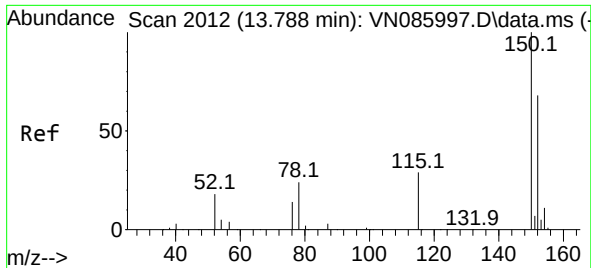
Tgt Ion: 95 Resp: 95610
Ion Ratio Lower Upper
95 100
174 79.7 0.0 156.8
176 77.3 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086040.D
Acq: 21 Mar 2025 15:17

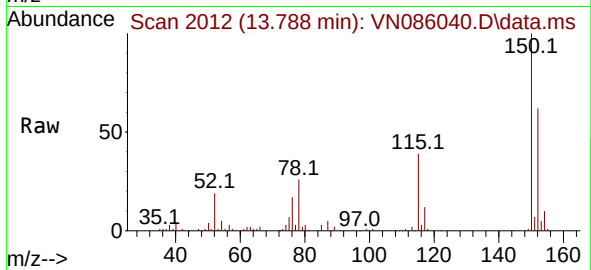
Tgt Ion: 117 Resp: 238825
Ion Ratio Lower Upper
117 100
82 59.8 46.7 70.1
119 32.8 26.5 39.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086040.D
 Acq: 21 Mar 2025 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167234TB



Tgt Ion:152 Resp: 82133
 Ion Ratio Lower Upper
 152 100
 115 62.1 31.1 93.2
 150 161.2 0.0 359.6

