

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032825\
 Data File : VN086147.D
 Acq On : 28 Mar 2025 13:53
 Operator : JC\MD
 Sample : Q1648-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

Quant Time: Mar 28 14:25:04 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)

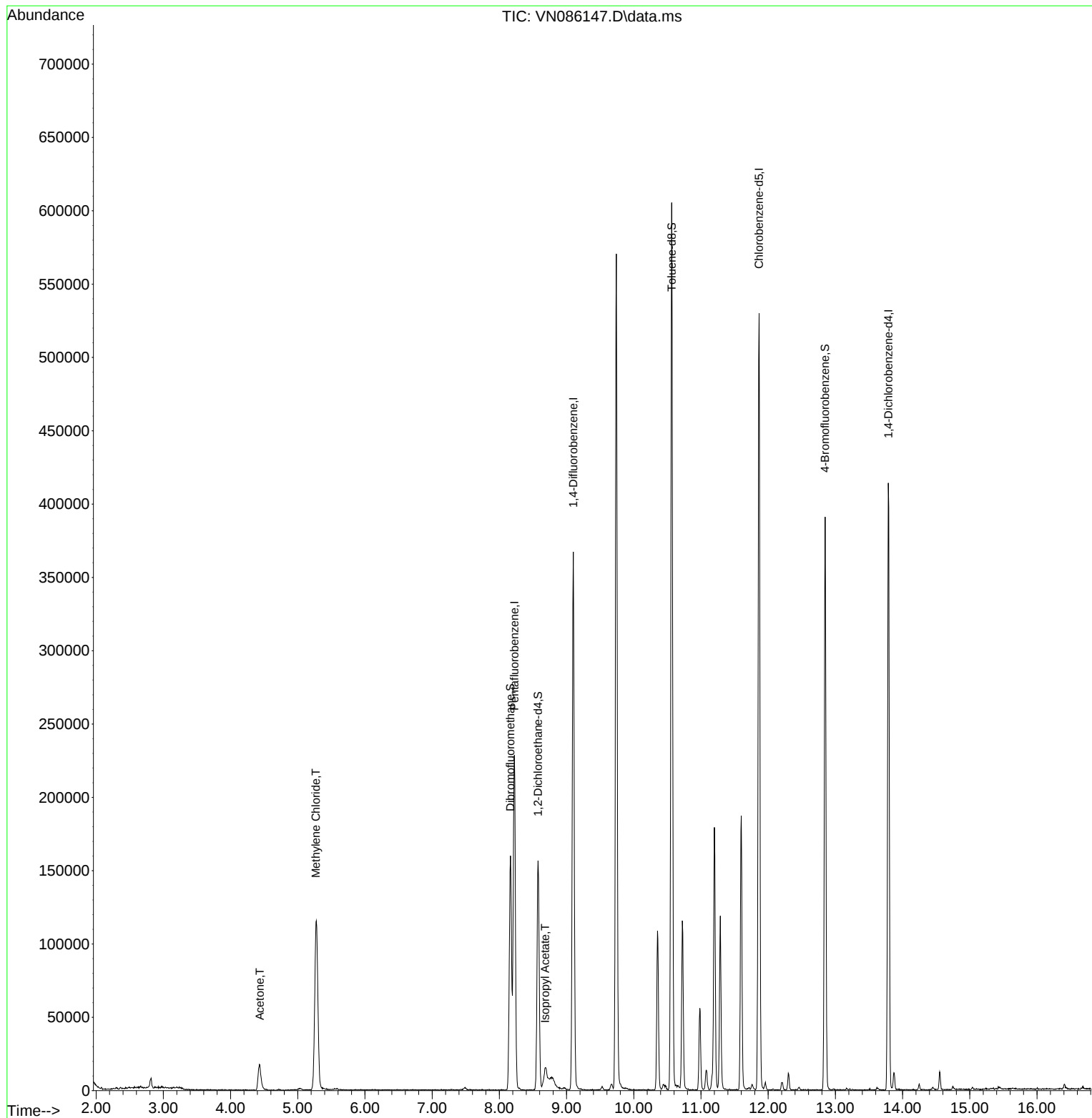
Internal Standards						
1) Pentafluorobenzene	8.224	168	168673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	316649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	318939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131977	57.140	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	114.280%	
35) Dibromofluoromethane	8.165	113	115968	52.470	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	104.940%	
50) Toluene-d8	10.565	98	425106	52.997	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	106.000%	
62) 4-Bromofluorobenzene	12.847	95	136990	47.887	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	95.780%	
Target Compounds						
						Qvalue
16) Acetone	4.436	43	33199	47.048	ug/l	92
20) Methylene Chloride	5.271	84	98439	47.687	ug/l	99
43) Isopropyl Acetate	8.682	43	20412	3.837	ug/l #	70

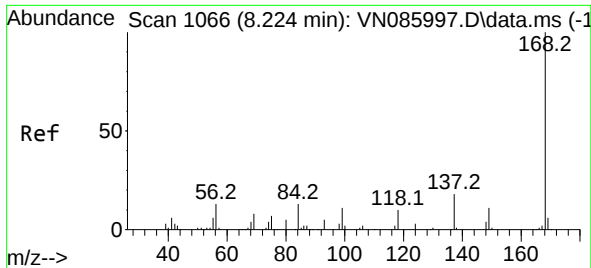
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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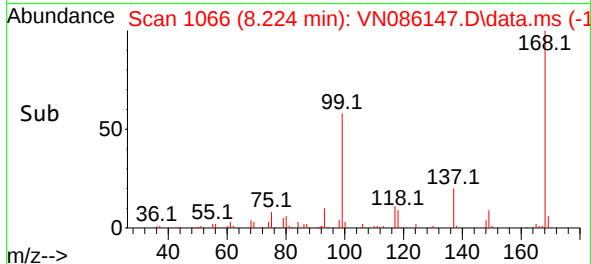
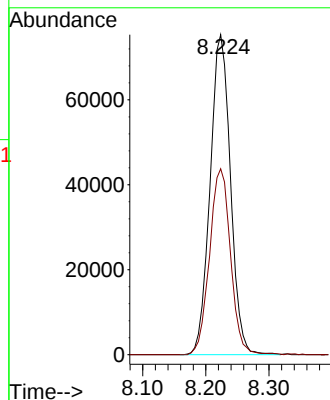
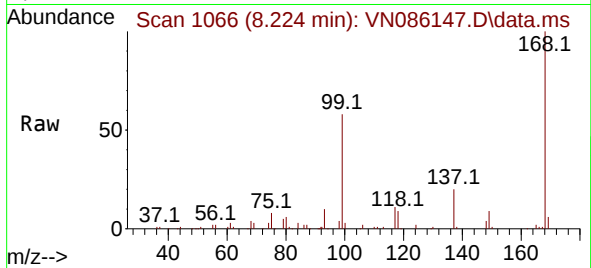




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086147.D
Acq: 28 Mar 2025 13:53

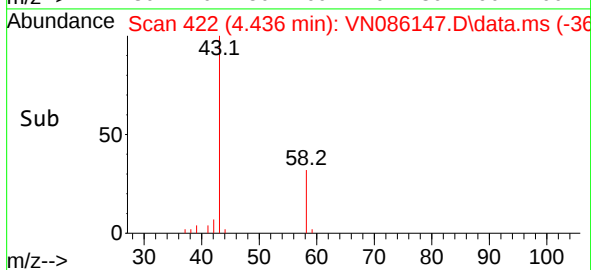
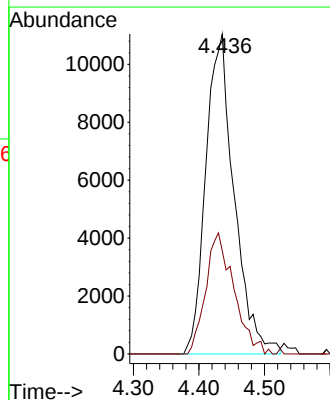
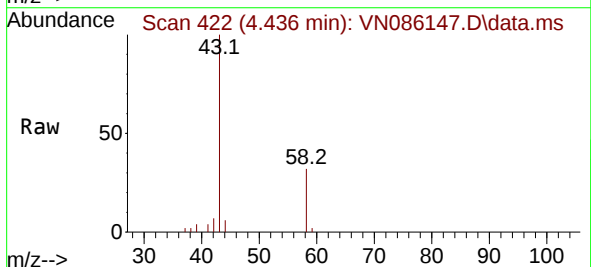
Instrument :
MSVOA_N
ClientSampleId :
TP-3

Tgt Ion:168 Resp: 168673
Ion Ratio Lower Upper
168 100
99 58.1 49.4 74.2



#16
Acetone
Concen: 47.048 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.011 min
Lab File: VN086147.D
Acq: 28 Mar 2025 13:53

Tgt Ion: 43 Resp: 33199
Ion Ratio Lower Upper
43 100
58 32.2 29.4 44.2

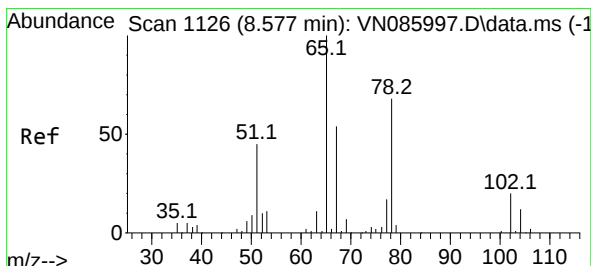
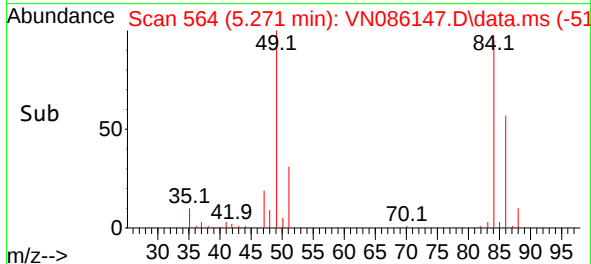
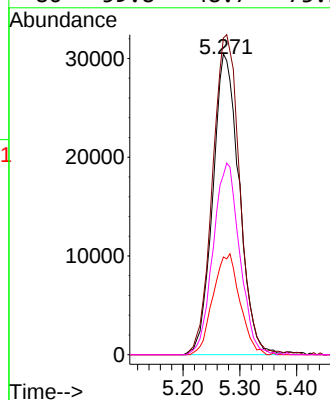
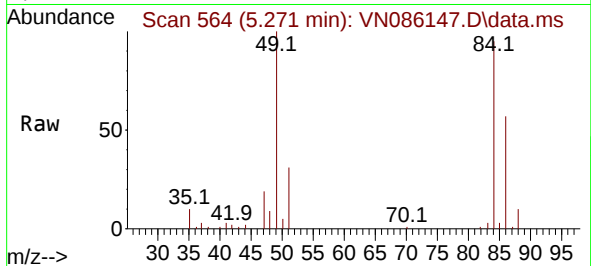




#20
Methylene Chloride
Concen: 47.687 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086147.D
Acq: 28 Mar 2025 13:53

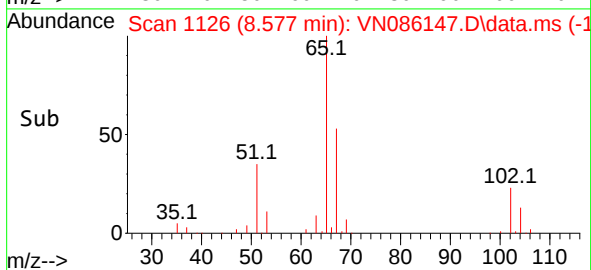
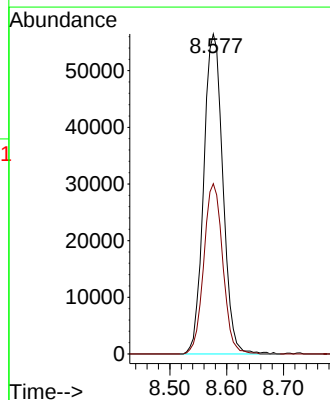
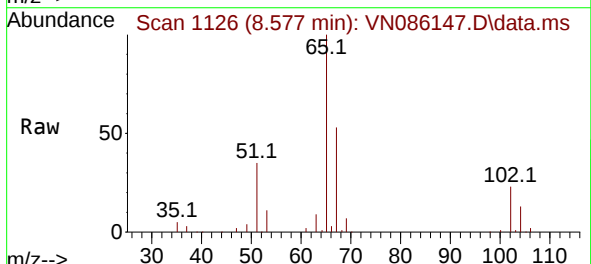
Instrument :
MSVOA_N
ClientSampleId :
TP-3

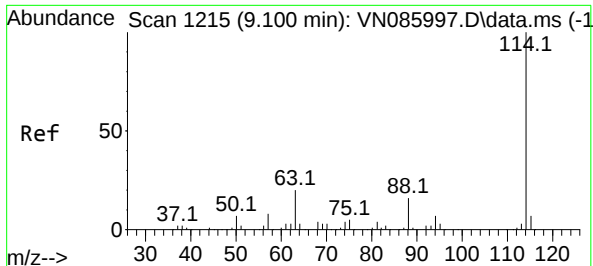
Tgt Ion: 84	Resp: 98439
Ion Ratio	Lower Upper
84 100	
49 105.3	83.3 124.9
51 32.4	24.8 37.2
86 59.8	48.7 73.1



#33
1,2-Dichloroethane-d4
Concen: 57.140 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086147.D
Acq: 28 Mar 2025 13:53

Tgt Ion: 65	Resp: 131977
Ion Ratio	Lower Upper
65 100	
67 52.7	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: VN086147.D

Acq: 28 Mar 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

TP-3

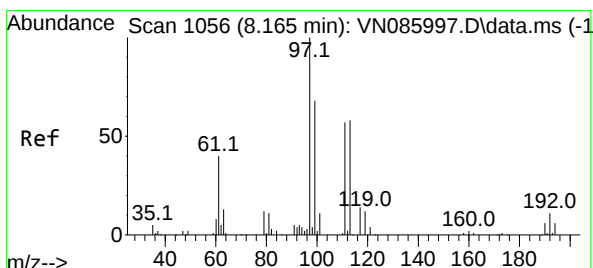
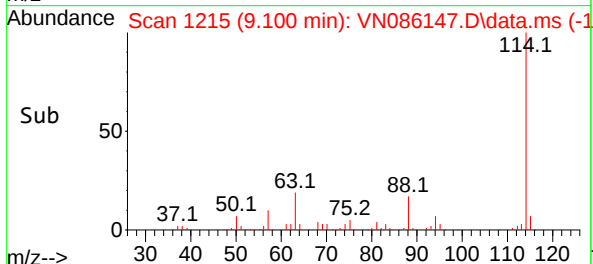
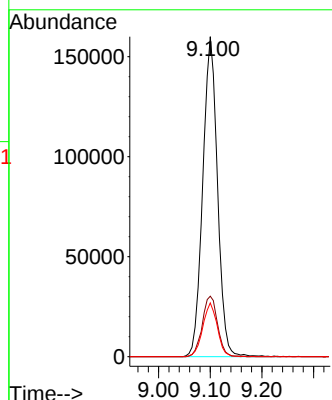
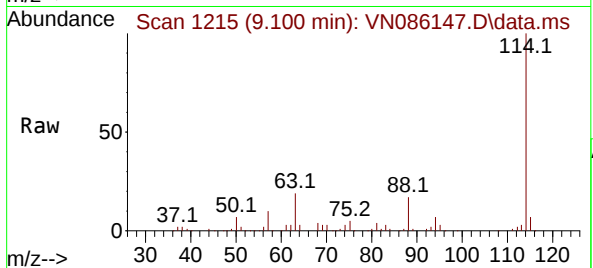
Tgt Ion:114 Resp: 316649

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

88 16.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.470 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086147.D

Acq: 28 Mar 2025 13:53

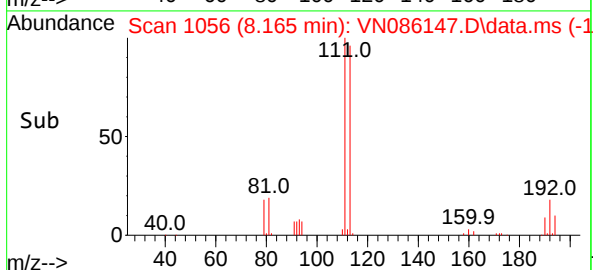
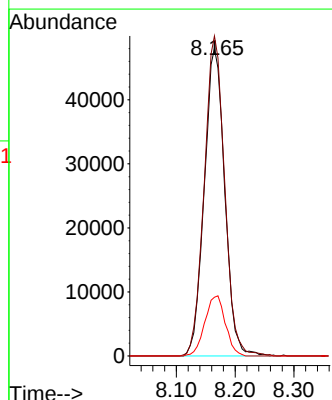
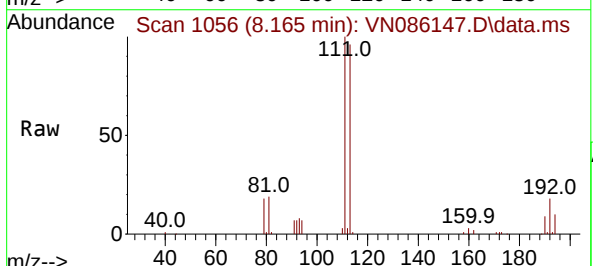
Tgt Ion:113 Resp: 115968

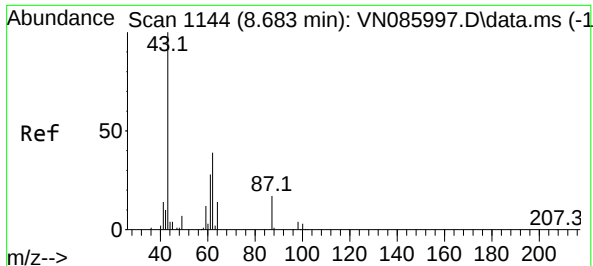
Ion Ratio Lower Upper

113 100

111 103.7 81.8 122.8

192 19.6 15.9 23.9





#43

Isopropyl Acetate

Concen: 3.837 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN086147.D

Acq: 28 Mar 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

TP-3

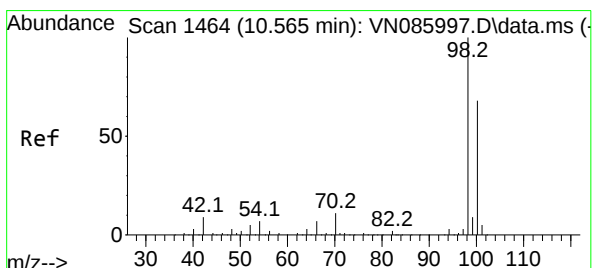
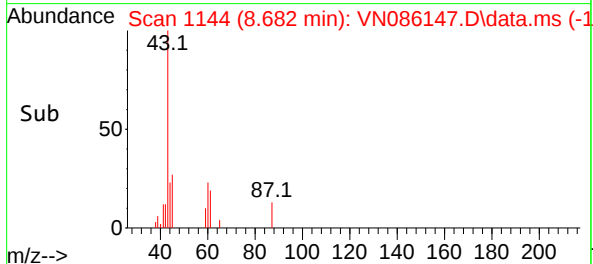
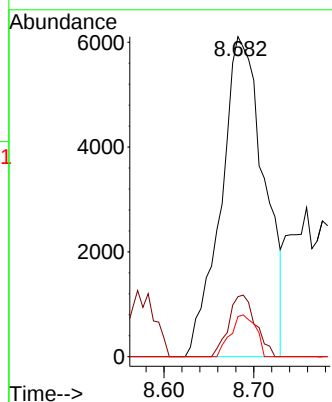
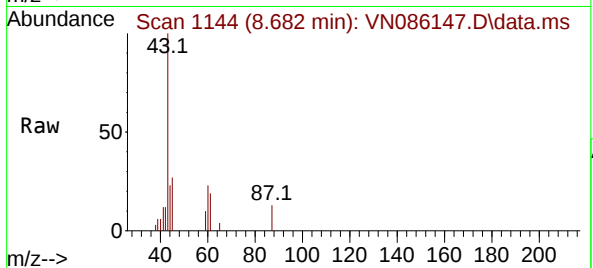
Tgt Ion: 43 Resp: 20412

Ion Ratio Lower Upper

43 100

61 12.0 25.0 37.6#

87 7.6 13.0 19.4#



#50

Toluene-d8

Concen: 52.997 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086147.D

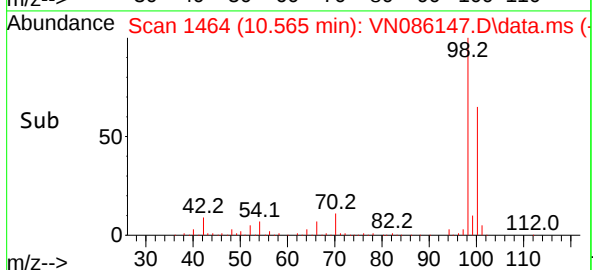
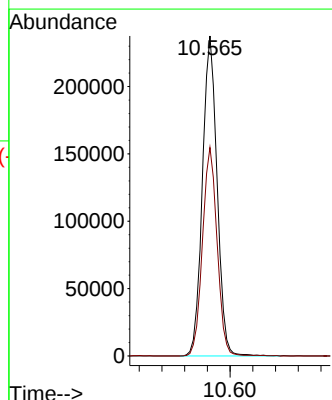
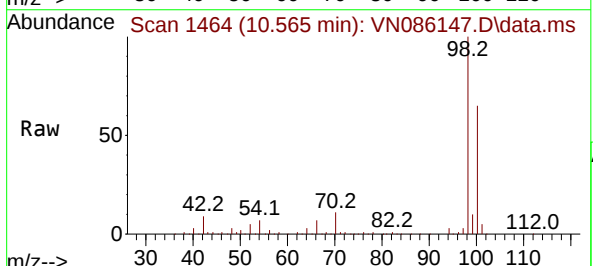
Acq: 28 Mar 2025 13:53

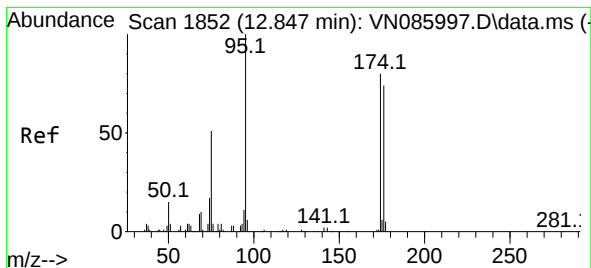
Tgt Ion: 98 Resp: 425106

Ion Ratio Lower Upper

98 100

100 65.0 53.1 79.7

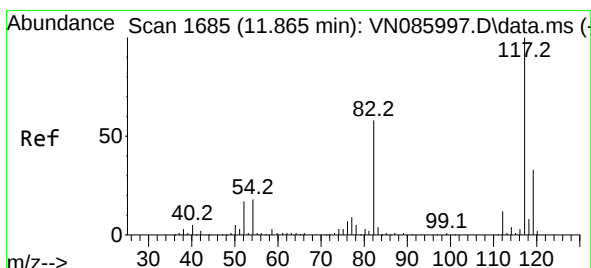
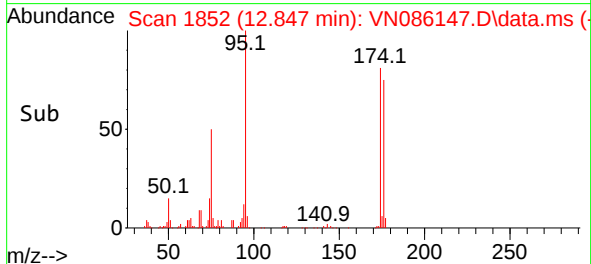
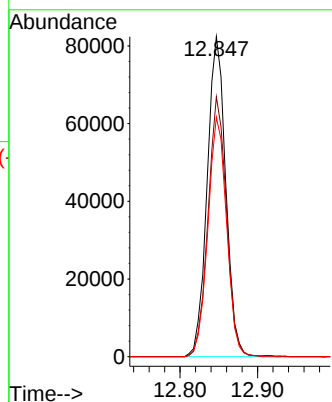
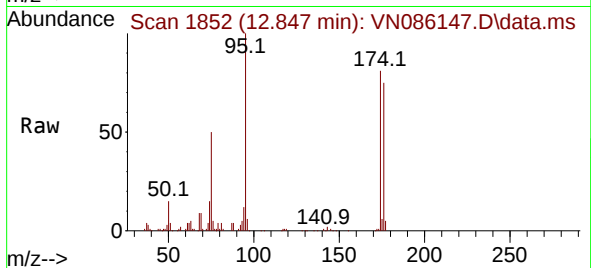




#62
4-Bromofluorobenzene
Concen: 47.887 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086147.D
Acq: 28 Mar 2025 13:53

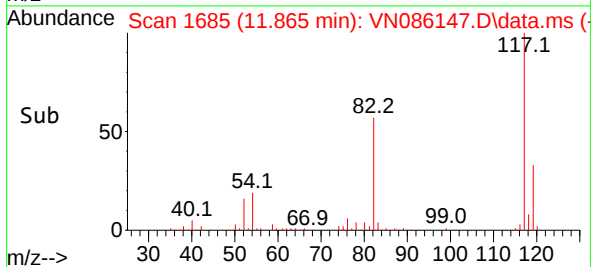
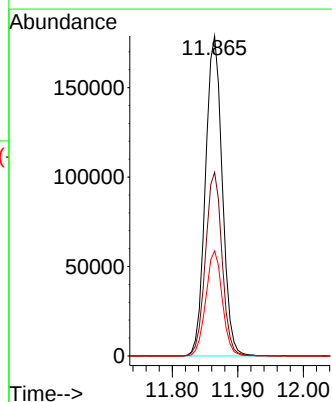
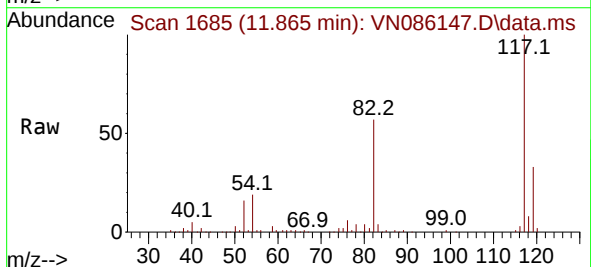
Instrument :
MSVOA_N
ClientSampleId :
TP-3

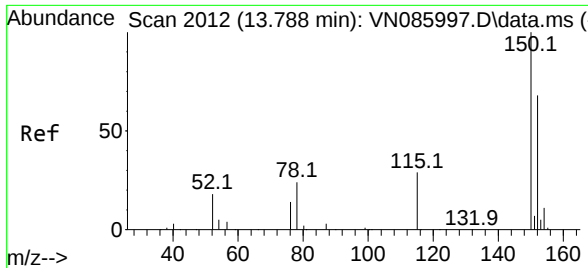
Tgt Ion: 95 Resp: 136990
Ion Ratio Lower Upper
95 100
174 81.0 0.0 156.8
176 75.2 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086147.D
Acq: 28 Mar 2025 13:53

Tgt Ion: 117 Resp: 318939
Ion Ratio Lower Upper
117 100
82 57.4 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: VN086147.D
 Acq: 28 Mar 2025 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

Tgt Ion:	152	Resp:	121660
Ion	Ratio	Lower	Upper
152	100		
115	59.4	31.1	93.2
150	155.3	0.0	359.6

