

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032825\
 Data File : VN086150.D
 Acq On : 28 Mar 2025 15:06
 Operator : JC\MD
 Sample : Q1648-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8

Quant Time: Mar 28 15:32:38 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)

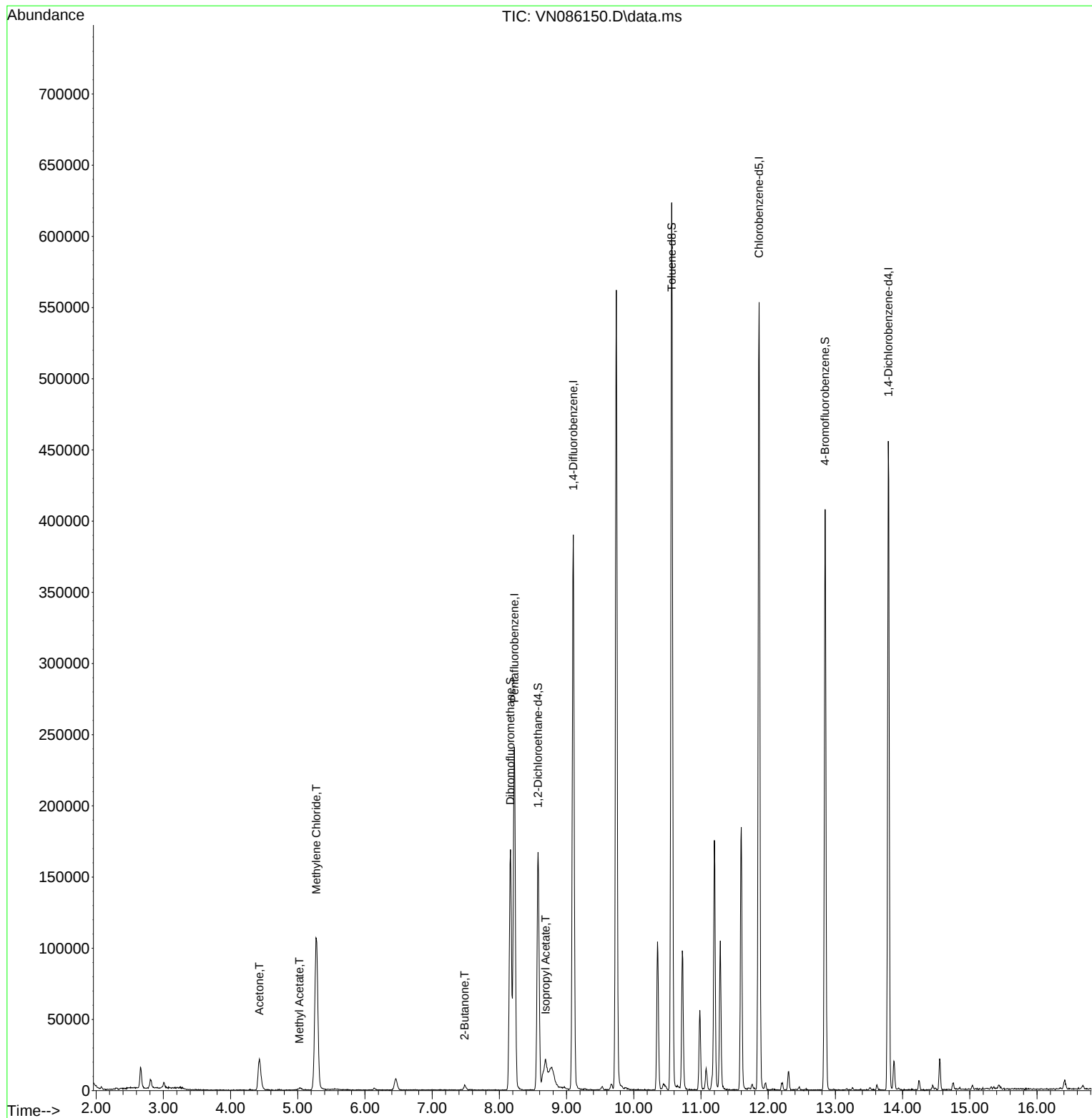
Internal Standards						
1) Pentafluorobenzene	8.224	168	175045	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	338539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	334867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	137789	57.485	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.960%	
35) Dibromofluoromethane	8.165	113	121060	51.232	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.460%	
50) Toluene-d8	10.565	98	442923	51.647	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.300%	
62) 4-Bromofluorobenzene	12.847	95	141669	46.321	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 92.640%	
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	41145	56.186	ug/l	93
18) Methyl Acetate	5.024	43	3036	1.676	ug/l #	73
20) Methylene Chloride	5.277	84	90122	42.068	ug/l	91
25) 2-Butanone	7.483	43	5676	5.372	ug/l	94
43) Isopropyl Acetate	8.688	43	32739	5.756	ug/l #	63

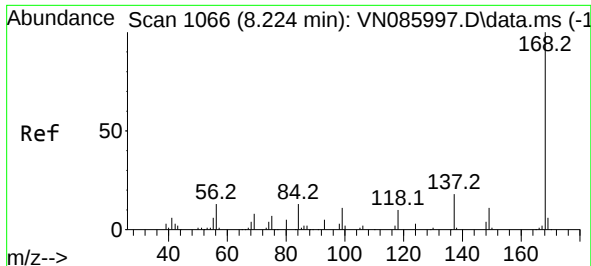
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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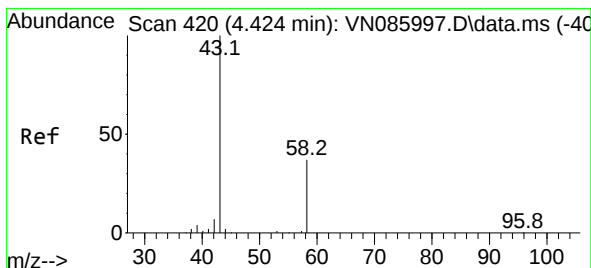
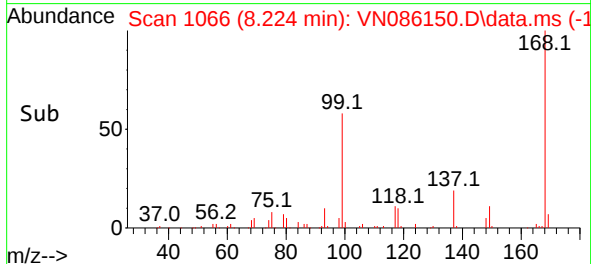
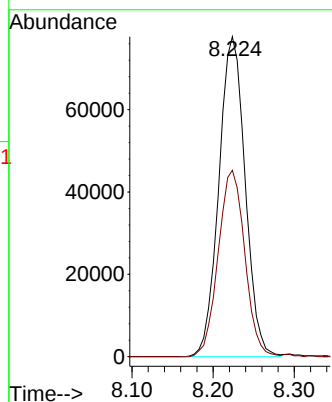
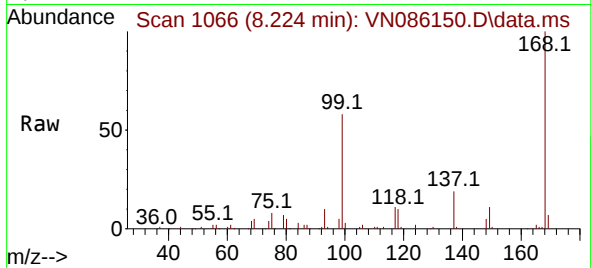




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086150.D
Acq: 28 Mar 2025 15:06

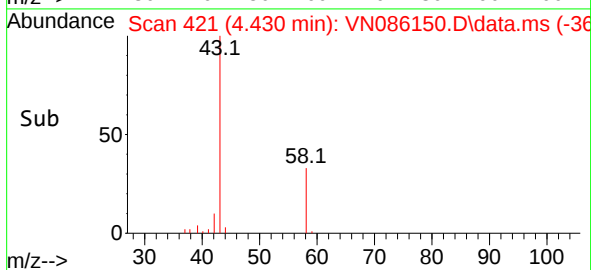
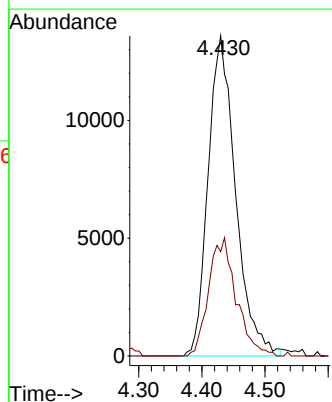
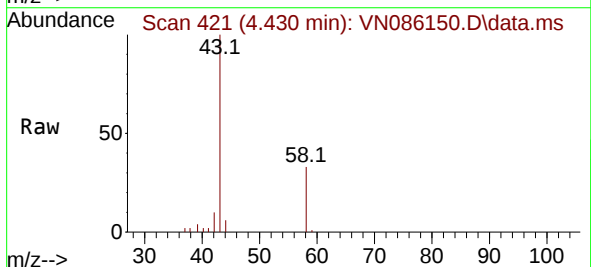
Instrument :
MSVOA_N
ClientSampleId :
TP-8

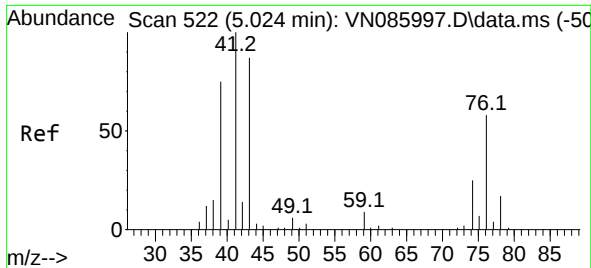
Tgt Ion:168 Resp: 175045
Ion Ratio Lower Upper
168 100
99 58.2 49.4 74.2



#16
Acetone
Concen: 56.186 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086150.D
Acq: 28 Mar 2025 15:06

Tgt Ion: 43 Resp: 41145
Ion Ratio Lower Upper
43 100
58 32.5 29.4 44.2

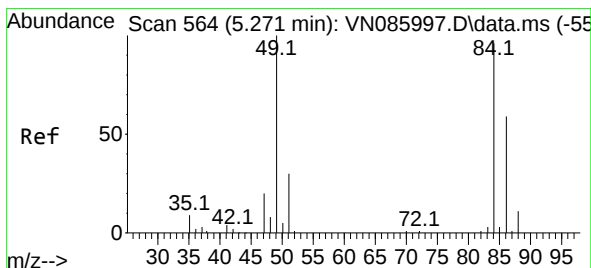
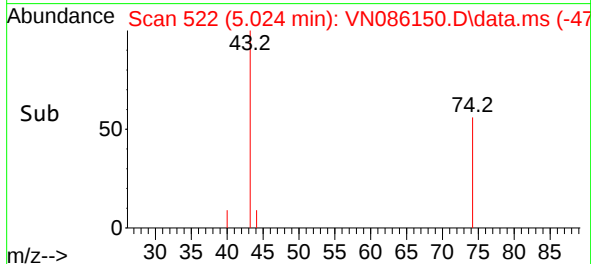
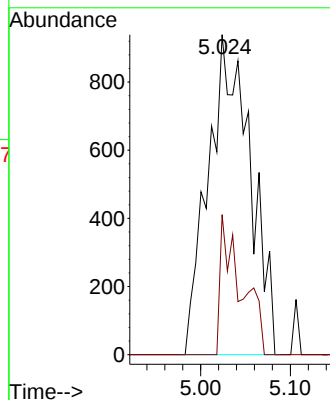
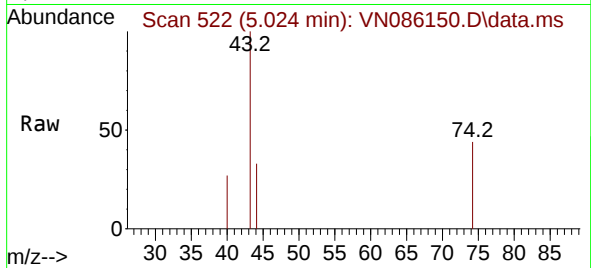




#18
Methyl Acetate
Concen: 1.676 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086150.D
Acq: 28 Mar 2025 15:06

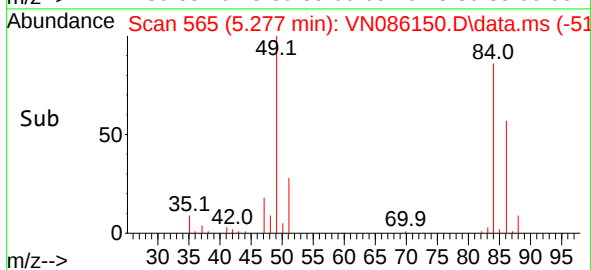
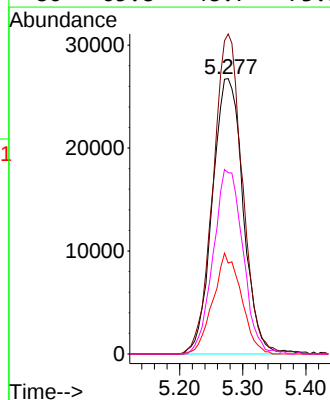
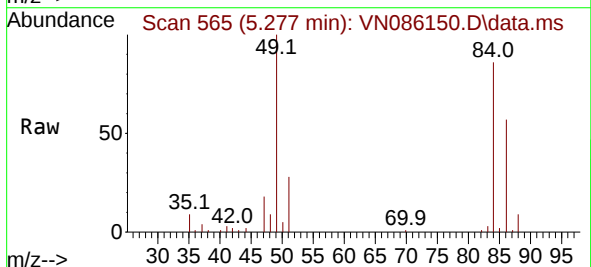
Instrument :
MSVOA_N
ClientSampleId :
TP-8

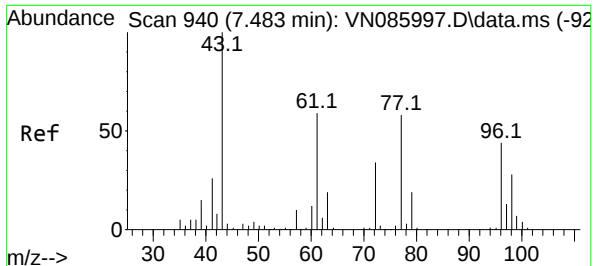
Tgt Ion: 43 Resp: 3036
Ion Ratio Lower Upper
43 100
74 15.4 23.9 35.9#



#20
Methylene Chloride
Concen: 42.068 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086150.D
Acq: 28 Mar 2025 15:06

Tgt Ion: 84 Resp: 90122
Ion Ratio Lower Upper
84 100
49 116.2 83.3 124.9
51 33.0 24.8 37.2
86 65.8 48.7 73.1





#25

2-Butanone

Concen: 5.372 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086150.D

Acq: 28 Mar 2025 15:06

Instrument :

MSVOA_N

ClientSampleId :

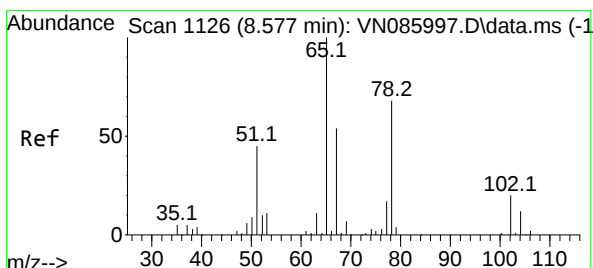
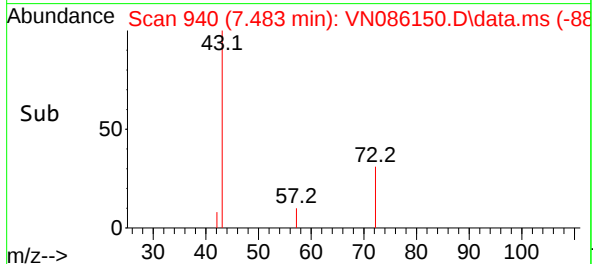
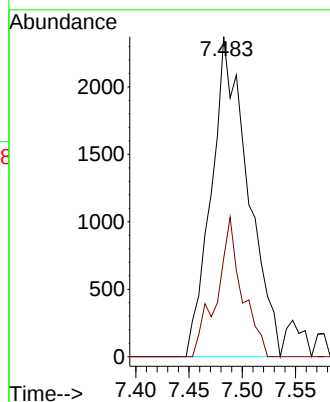
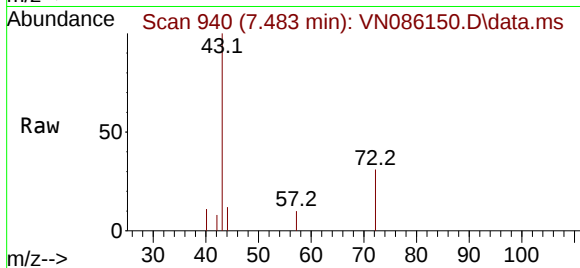
TP-8

Tgt Ion: 43 Resp: 5676

Ion Ratio Lower Upper

43 100

72 30.7 27.4 41.0



#33

1,2-Dichloroethane-d4

Concen: 57.485 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086150.D

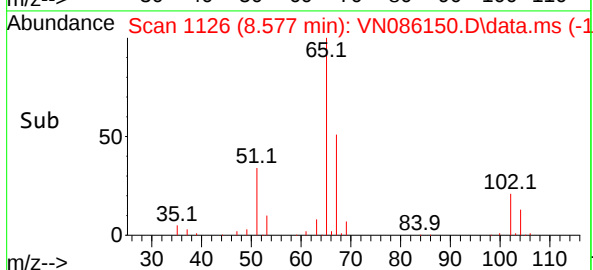
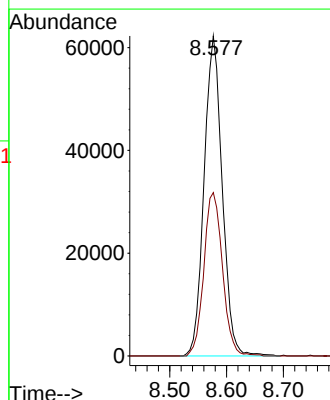
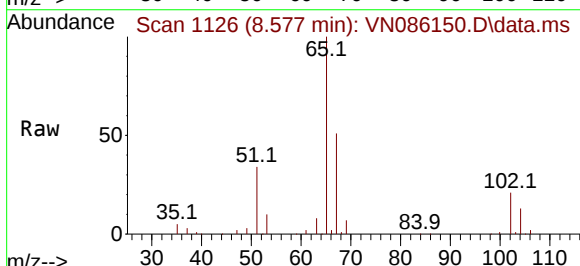
Acq: 28 Mar 2025 15:06

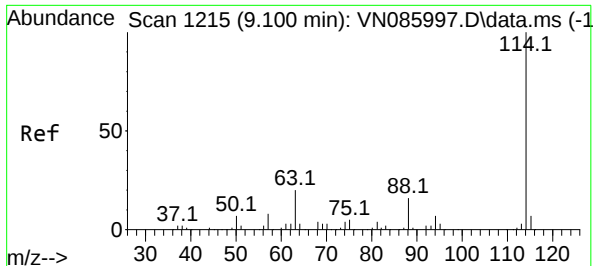
Tgt Ion: 65 Resp: 137789

Ion Ratio Lower Upper

65 100

67 52.5 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: VN086150.D

Acq: 28 Mar 2025 15:06

Instrument :

MSVOA_N

ClientSampleId :

TP-8

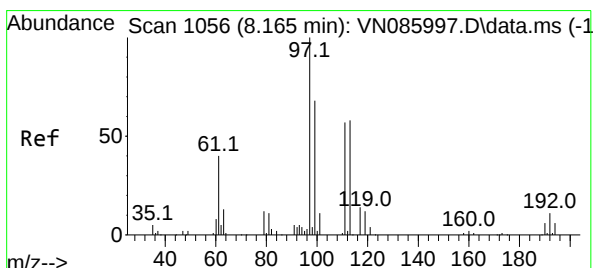
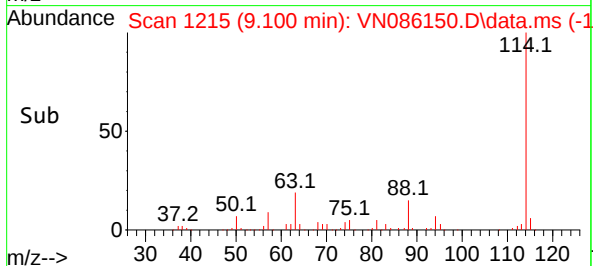
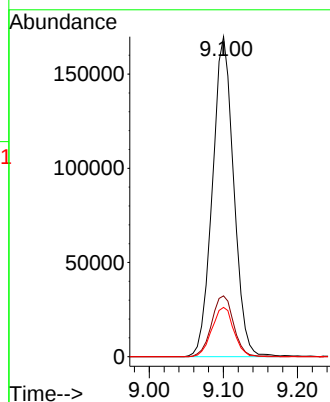
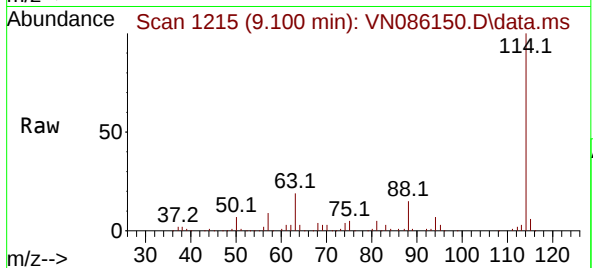
Tgt Ion:114 Resp: 338539

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.232 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086150.D

Acq: 28 Mar 2025 15:06

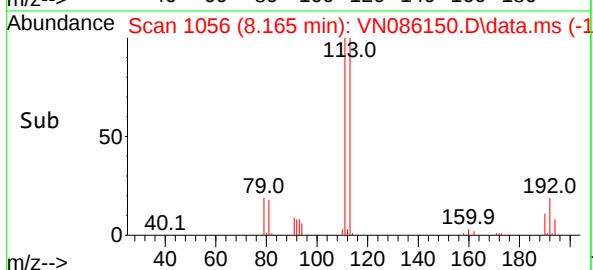
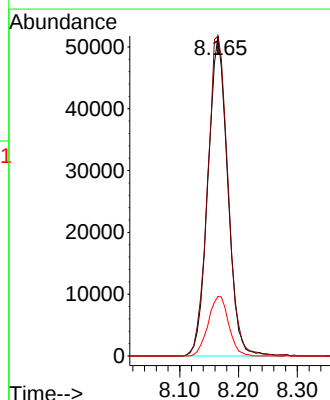
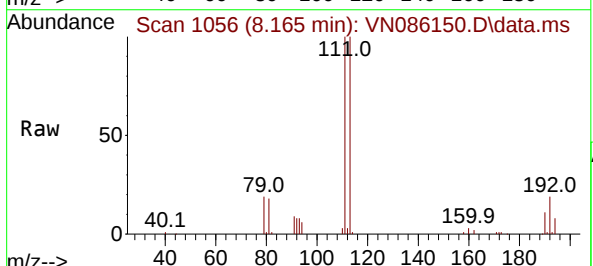
Tgt Ion:113 Resp: 121060

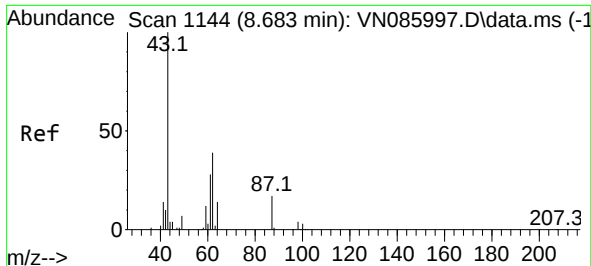
Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.8

192 19.2 15.9 23.9





#43

Isopropyl Acetate

Concen: 5.756 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN086150.D

Acq: 28 Mar 2025 15:06

Instrument :

MSVOA_N

ClientSampleId :

TP-8

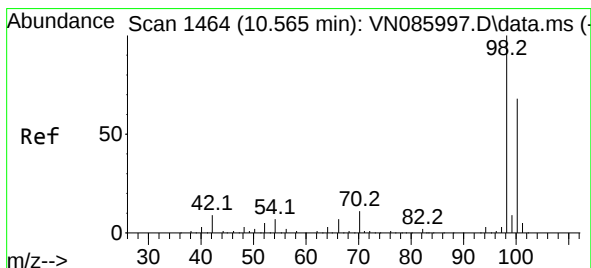
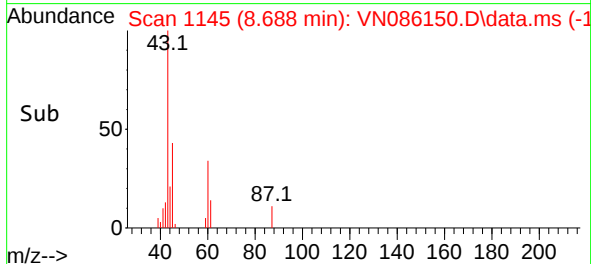
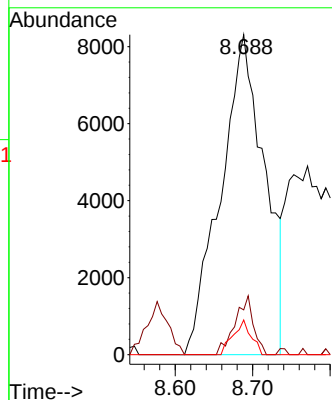
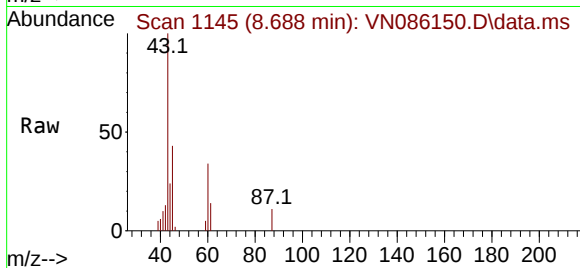
Tgt Ion: 43 Resp: 32739

Ion Ratio Lower Upper

43 100

61 7.8 25.0 37.6#

87 4.4 13.0 19.4#



#50

Toluene-d8

Concen: 51.647 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086150.D

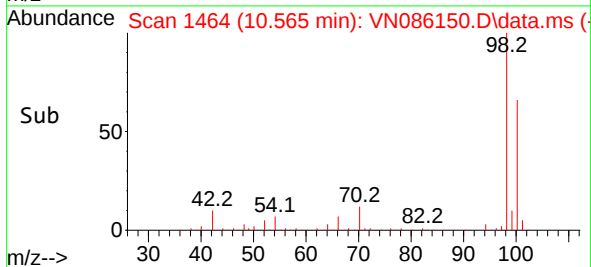
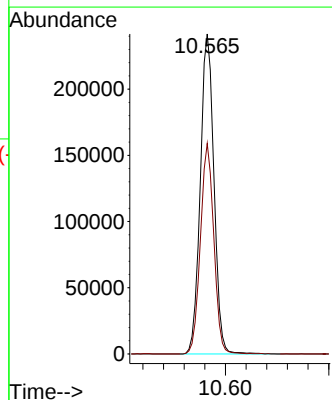
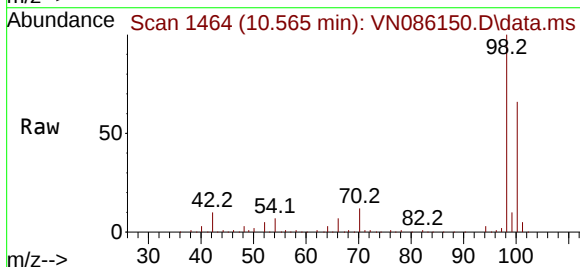
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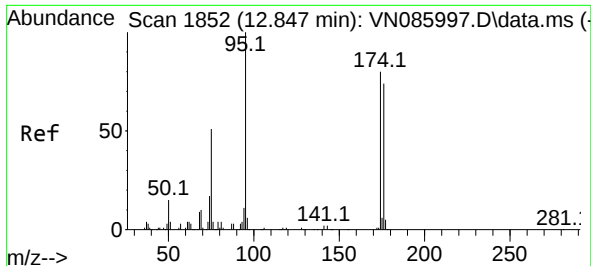
Tgt Ion: 98 Resp: 442923

Ion Ratio Lower Upper

98 100

100 64.6 53.1 79.7

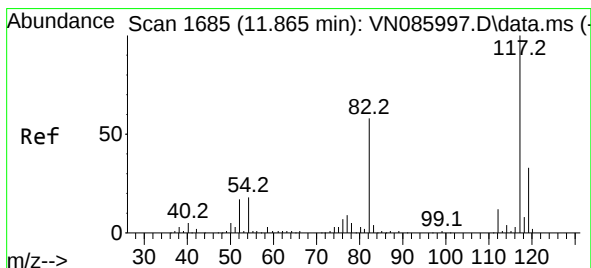
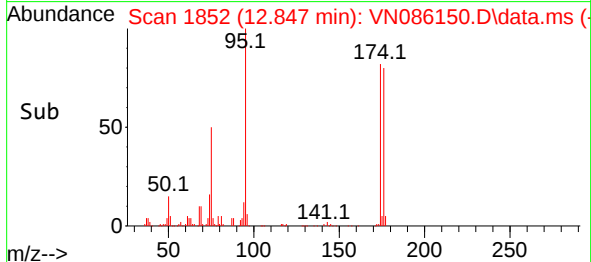
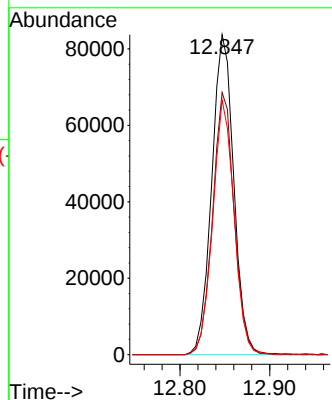
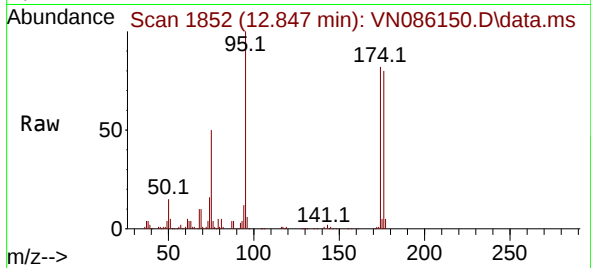




#62
4-Bromofluorobenzene
Concen: 46.321 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086150.D
Acq: 28 Mar 2025 15:06

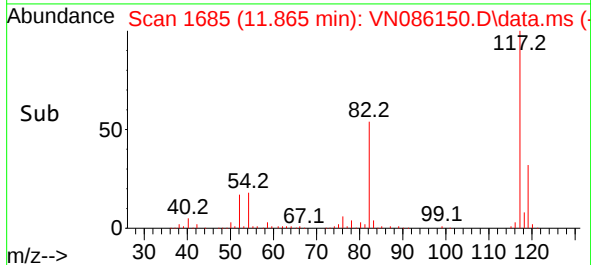
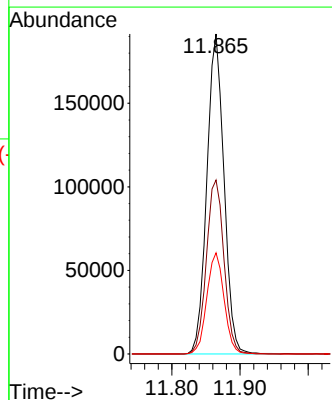
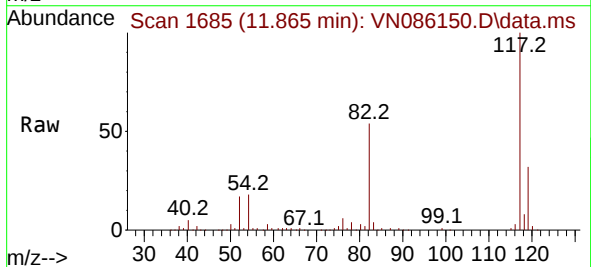
Instrument :
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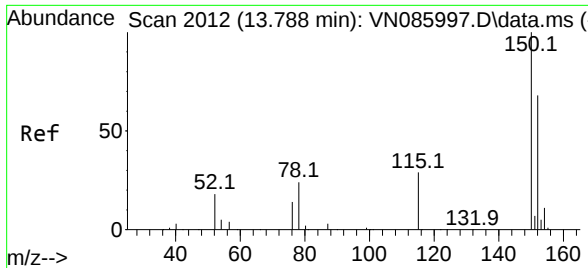
Tgt Ion: 95 Resp: 141669
Ion Ratio Lower Upper
95 100
174 81.5 0.0 156.8
176 77.3 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086150.D
Acq: 28 Mar 2025 15:06

Tgt Ion: 117 Resp: 334867
Ion Ratio Lower Upper
117 100
82 54.3 46.7 70.1
119 31.6 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: VN086150.D
 Acq: 28 Mar 2025 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8

Tgt Ion:	152	Resp:	131124
Ion	Ratio	Lower	Upper
152	100		
115	59.6	31.1	93.2
150	156.1	0.0	359.6

