

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
 Data File : VN086046.D
 Acq On : 21 Mar 2025 17:42
 Operator : JC\MD
 Sample : PB167234ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167234ZHE#06

Quant Time: Mar 21 23:01:35 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)

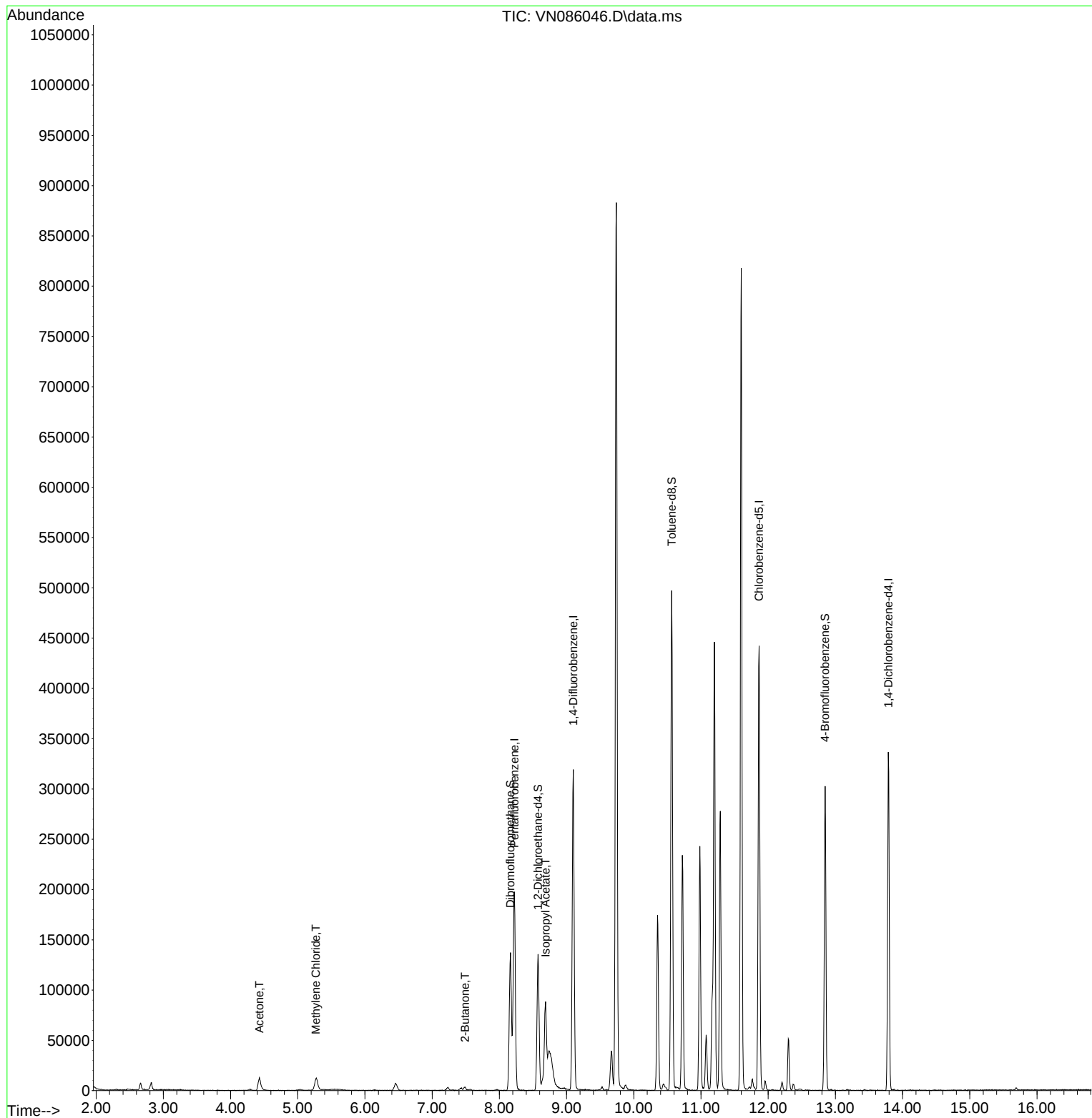
Internal Standards						
1) Pentafluorobenzene	8.224	168	143796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	276054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	264482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	95124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	114291	58.044	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.080%
35) Dibromofluoromethane	8.165	113	95934	49.789	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.580%
50) Toluene-d8	10.565	98	351481	50.262	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.520%
62) 4-Bromofluorobenzene	12.847	95	103664	41.567	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	83.140%
Target Compounds						
						Qvalue
16) Acetone	4.430	43	22480	37.369	ug/l	100
20) Methylene Chloride	5.271	84	10158	5.772	ug/l	94
25) 2-Butanone	7.488	43	5606	6.458	ug/l	90
43) Isopropyl Acetate	8.688	43	108511	23.395	ug/l #	81

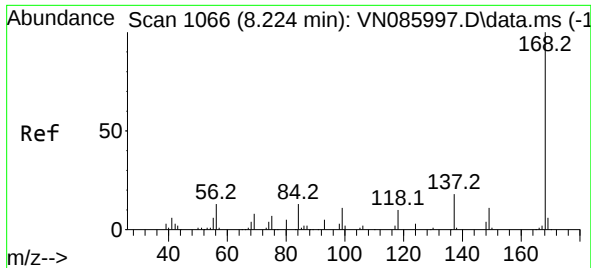
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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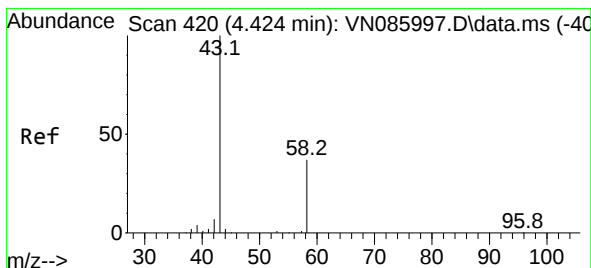
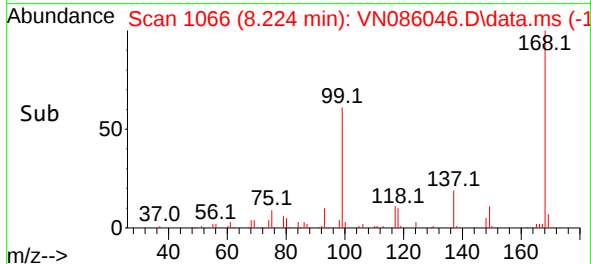
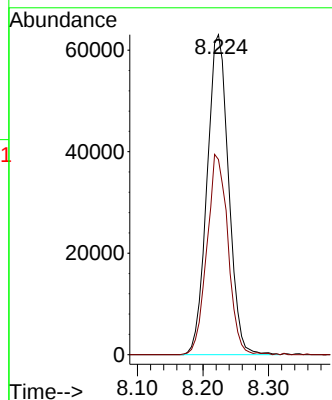
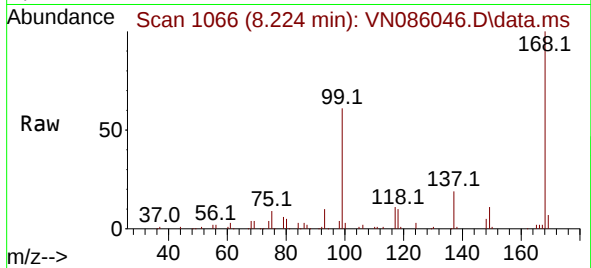




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086046.D
Acq: 21 Mar 2025 17:42

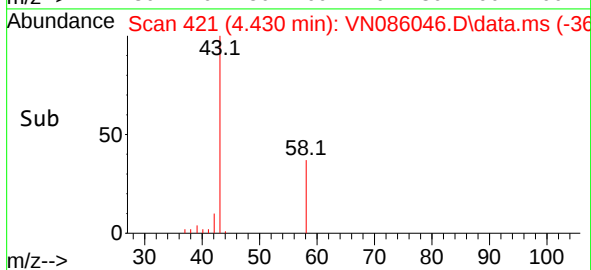
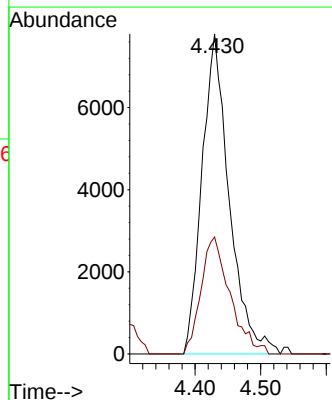
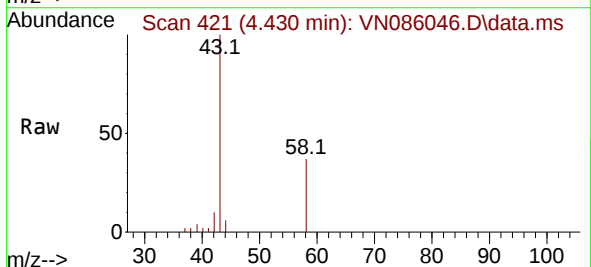
Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#06

Tgt Ion:168 Resp: 143796
Ion Ratio Lower Upper
168 100
99 61.0 49.4 74.2



#16
Acetone
Concen: 37.369 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086046.D
Acq: 21 Mar 2025 17:42

Tgt Ion: 43 Resp: 22480
Ion Ratio Lower Upper
43 100
58 36.5 29.4 44.2





#20

Methylene Chloride

Concen: 5.772 ug/l

RT: 5.271 min Scan# 5

Delta R.T. -0.000 min

Lab File: VN086046.D

Acq: 21 Mar 2025 17:42

Instrument :

MSVOA_N

ClientSampleId :

PB167234ZHE#06

Tgt Ion: 84 Resp: 10158

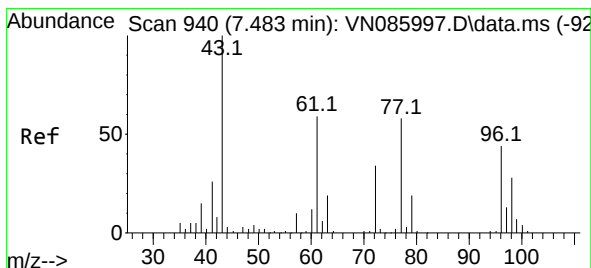
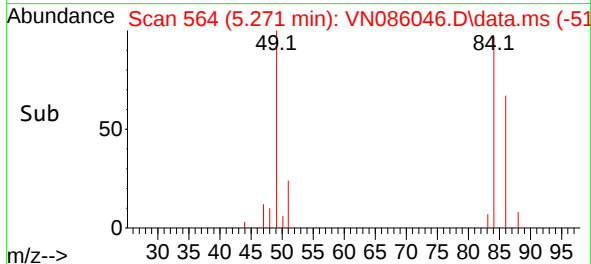
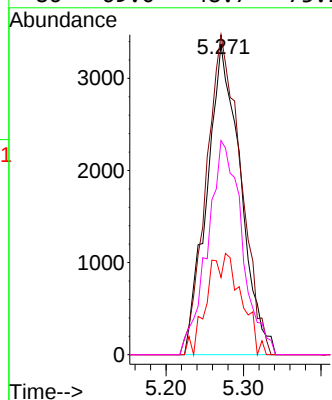
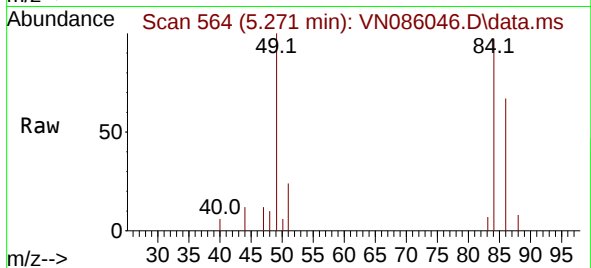
Ion Ratio Lower Upper

84 100

49 103.0 83.3 124.9

51 24.9 24.8 37.2

86 69.0 48.7 73.1



#25

2-Butanone

Concen: 6.458 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN086046.D

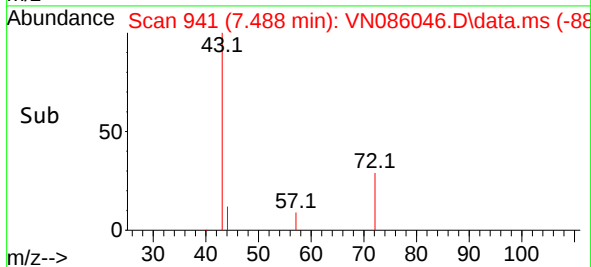
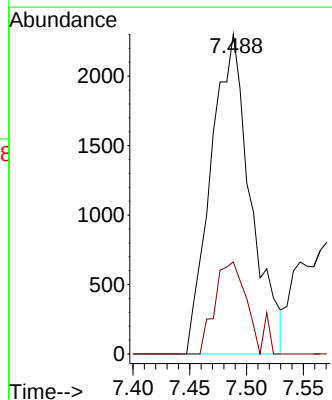
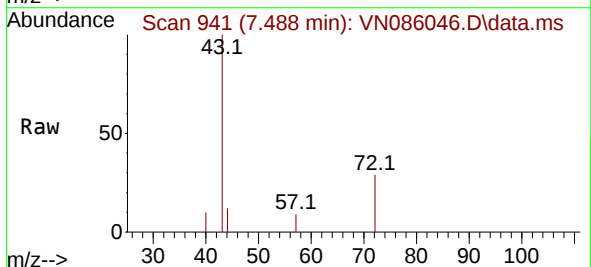
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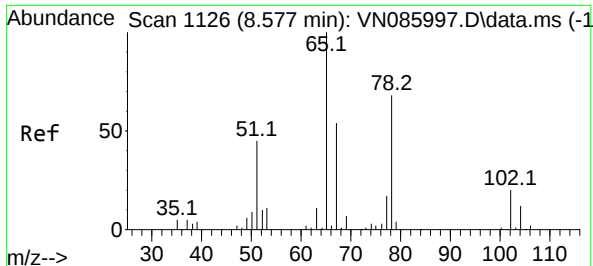
Tgt Ion: 43 Resp: 5606

Ion Ratio Lower Upper

43 100

72 28.7 27.4 41.0





#33

1,2-Dichloroethane-d4

Concen: 58.044 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086046.D

Acq: 21 Mar 2025 17:42

Instrument :

MSVOA_N

ClientSampleId :

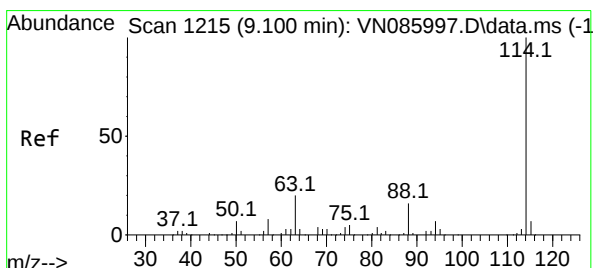
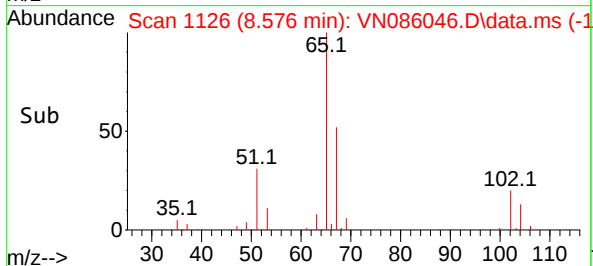
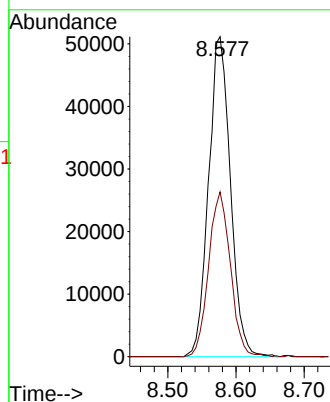
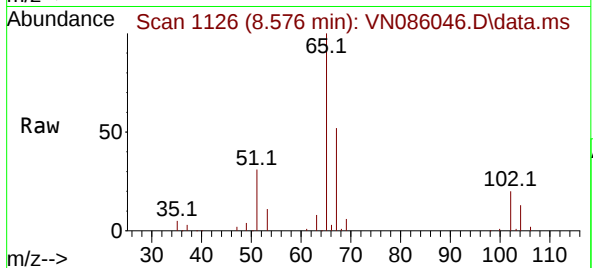
PB167234ZHE#06

Tgt Ion: 65 Resp: 114291

Ion Ratio Lower Upper

65 100

67 51.3 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086046.D

Acq: 21 Mar 2025 17:42

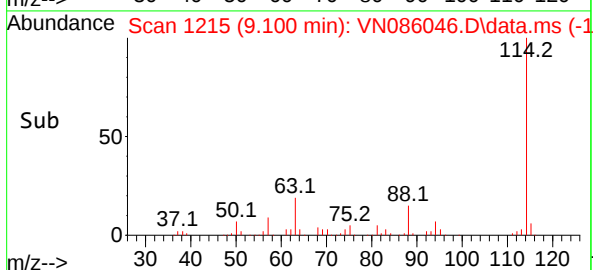
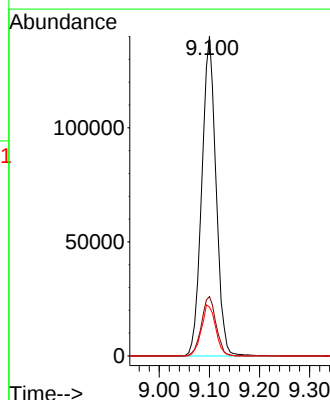
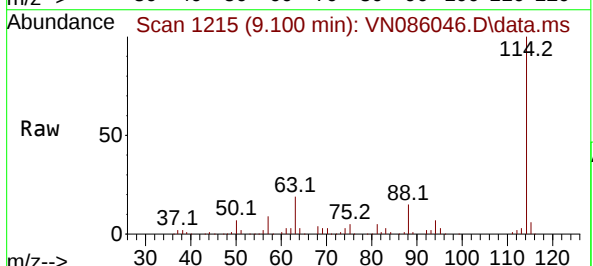
Tgt Ion: 114 Resp: 276054

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.6

88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.789 ug/l

RT: 8.165 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VN086046.D

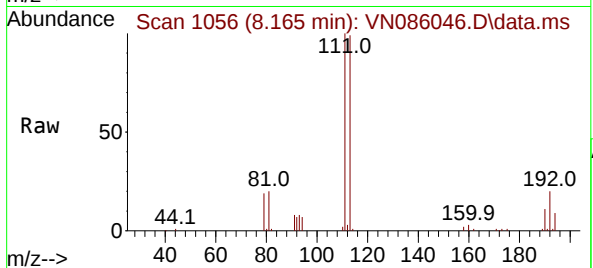
Acq: 21 Mar 2025 17:42

Instrument :

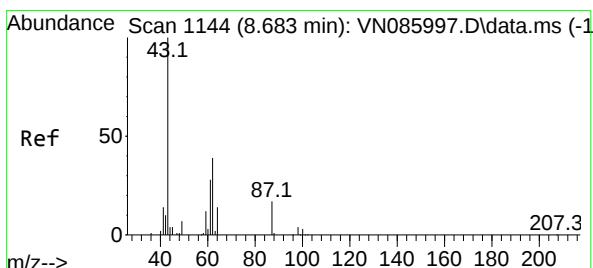
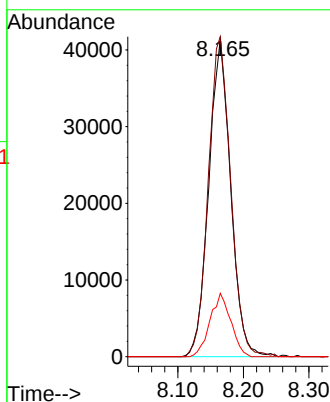
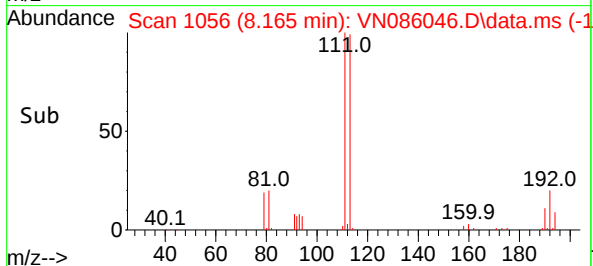
MSVOA_N

ClientSampleId :

PB167234ZHE#06



Tgt Ion:	113	Resp:	95934
Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.8
192	19.0	15.9	23.9



#43

Isopropyl Acetate

Concen: 23.395 ug/l

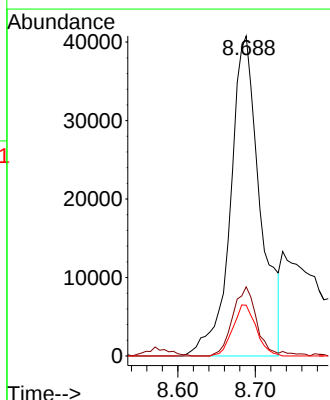
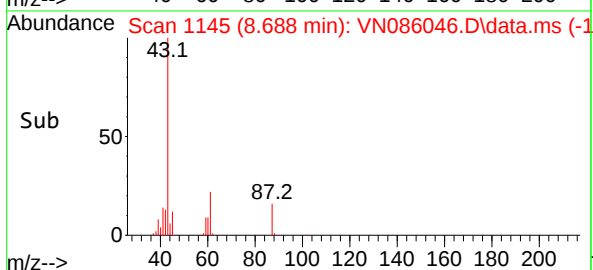
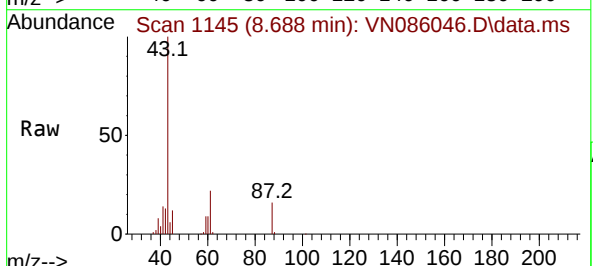
RT: 8.688 min Scan# 1145

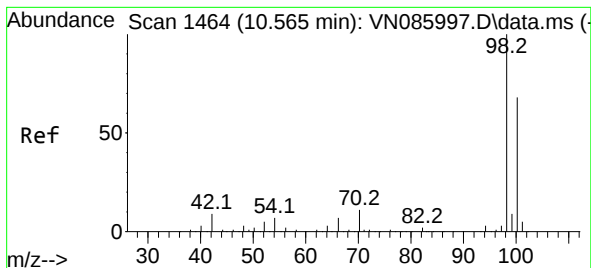
Delta R.T. 0.006 min

Lab File: VN086046.D

Acq: 21 Mar 2025 17:42

Tgt Ion:	43	Resp:	108511
Ion	Ratio	Lower	Upper
43	100		
61	17.9	25.0	37.6#
87	12.6	13.0	19.4#





#50

Toluene-d8

Concen: 50.262 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086046.D

Acq: 21 Mar 2025 17:42

Instrument :

MSVOA_N

ClientSampleId :

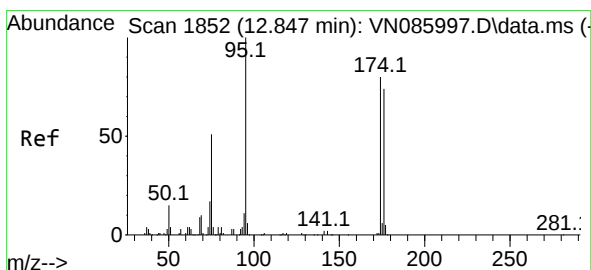
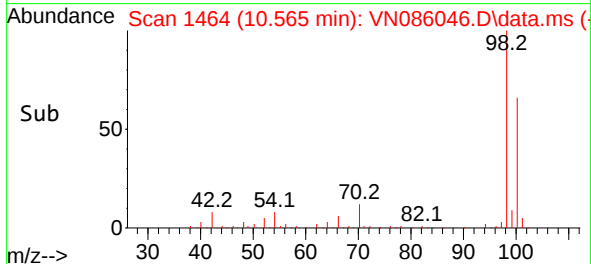
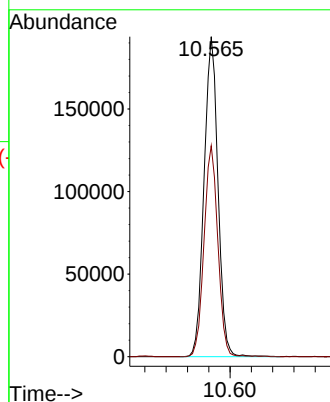
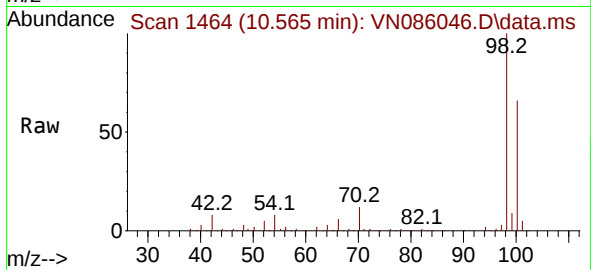
PB167234ZHE#06

Tgt Ion: 98 Resp: 351481

Ion Ratio Lower Upper

98 100

100 65.4 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 41.567 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN086046.D

Acq: 21 Mar 2025 17:42

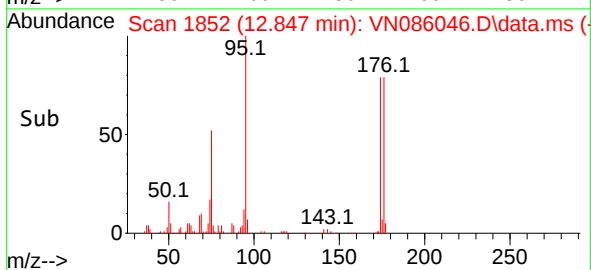
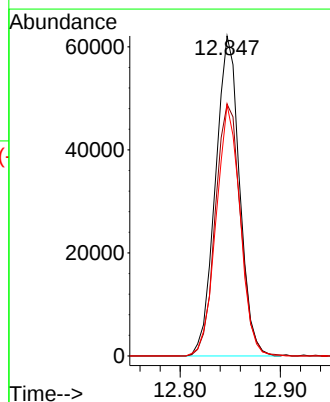
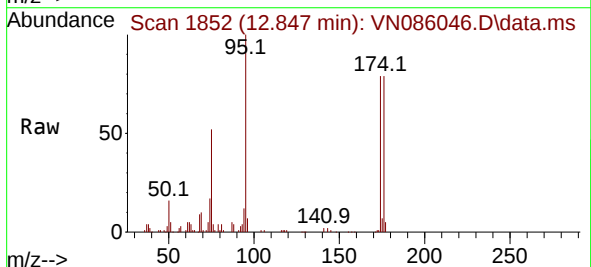
Tgt Ion: 95 Resp: 103664

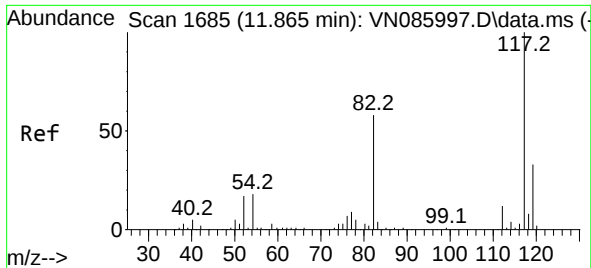
Ion Ratio Lower Upper

95 100

174 82.4 0.0 156.8

176 78.1 0.0 152.2

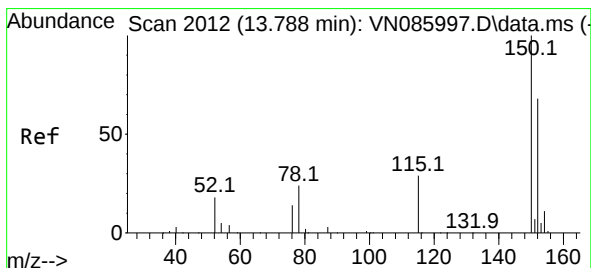
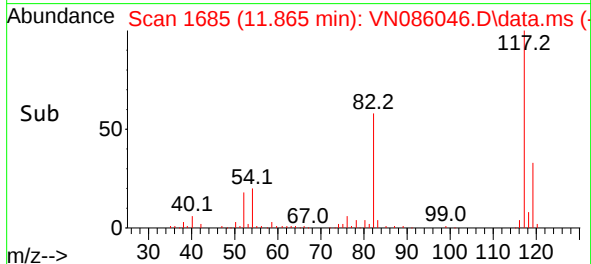
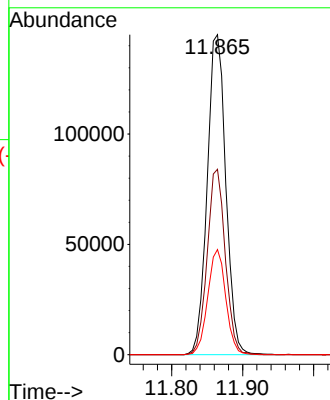
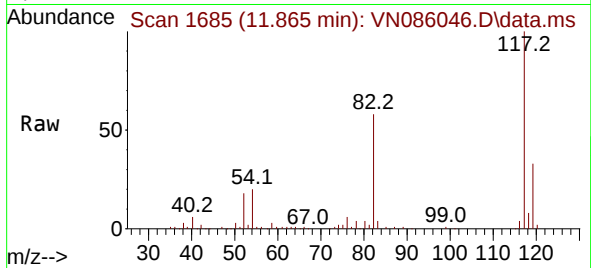




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086046.D
Acq: 21 Mar 2025 17:42

Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#06

Tgt Ion:117 Resp: 264482
Ion Ratio Lower Upper
117 100
82 58.0 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# 2012
Delta R.T. -0.000 min
Lab File: VN086046.D
Acq: 21 Mar 2025 17:42

Tgt Ion:152 Resp: 95124
Ion Ratio Lower Upper
152 100
115 61.0 31.1 93.2
150 161.0 0.0 359.6

