

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050825\
 Data File : VN086546.D
 Acq On : 08 May 2025 15:25
 Operator : JC\MD
 Sample : PB167895ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167895ZHE#04

Quant Time: May 09 01:53:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

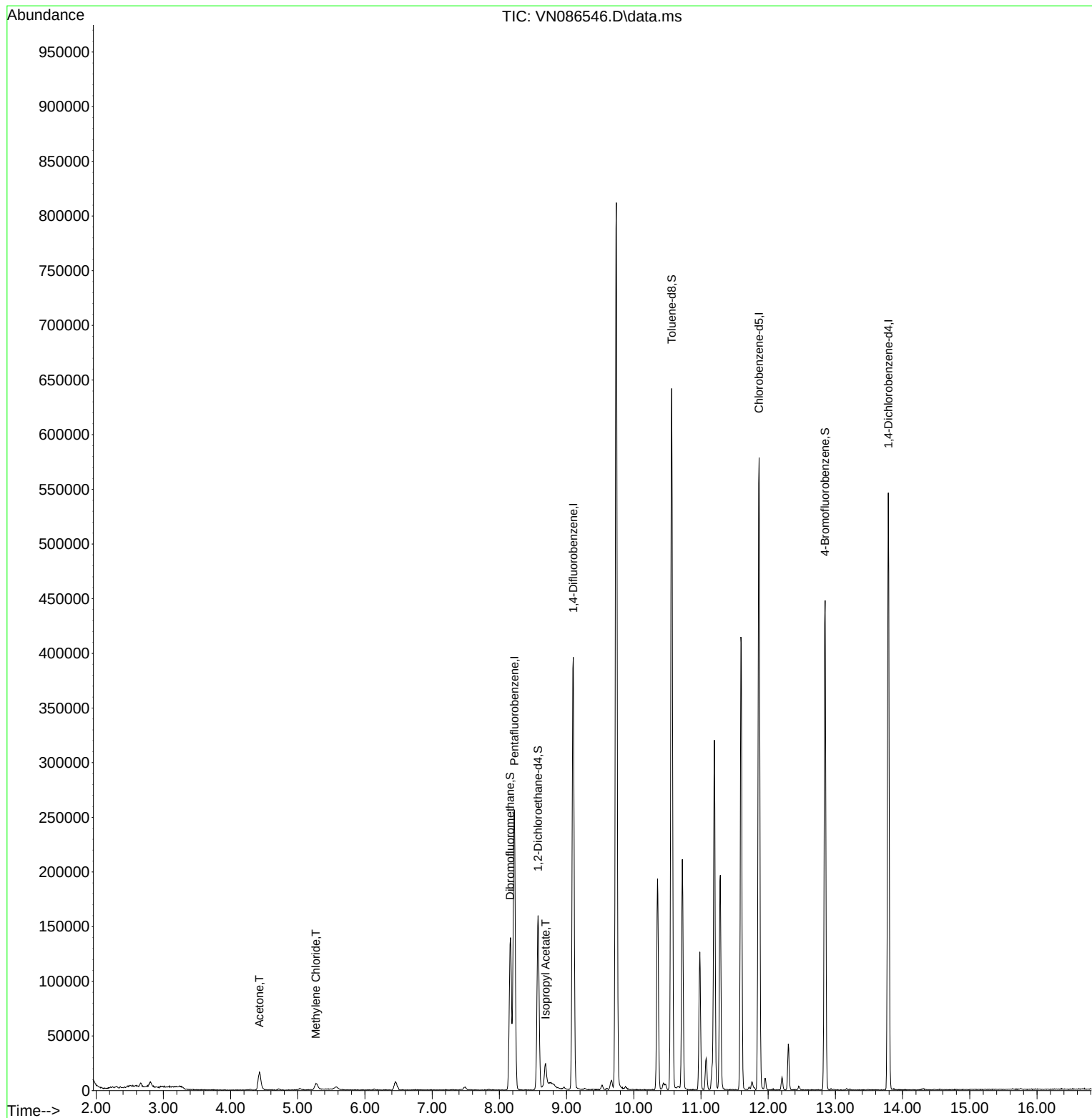
Internal Standards						
1) Pentafluorobenzene	8.224	168	194767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	363039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	344574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	151345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134169	47.505	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.020%
35) Dibromofluoromethane	8.159	113	104628	62.097	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	124.200%#
50) Toluene-d8	10.565	98	454744	50.499	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.000%
62) 4-Bromofluorobenzene	12.847	95	161707	49.233	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.460%
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	32472	28.191	ug/l	99
20) Methylene Chloride	5.271	84	4570	1.750	ug/l #	92
43) Isopropyl Acetate	8.688	43	33410	3.453	ug/l #	82

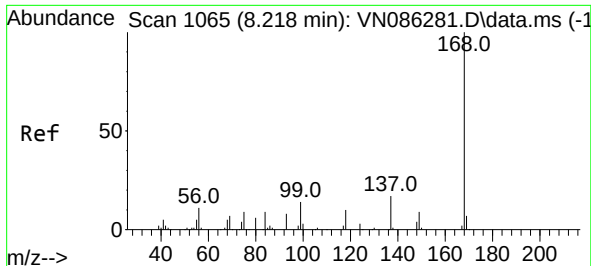
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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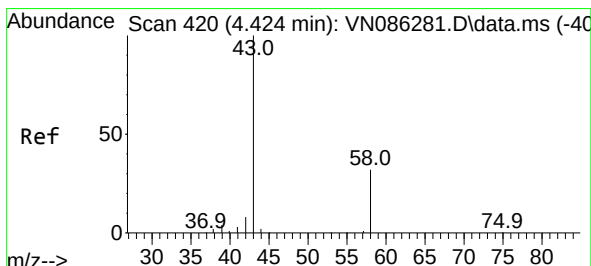
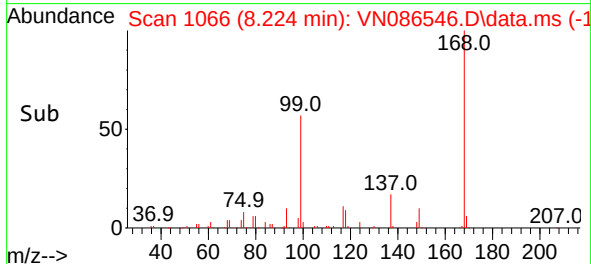
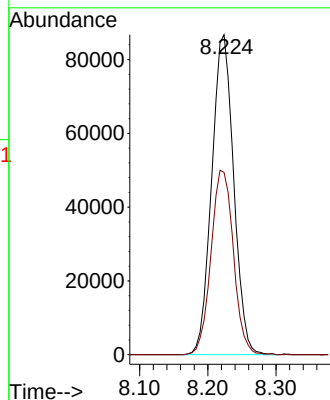
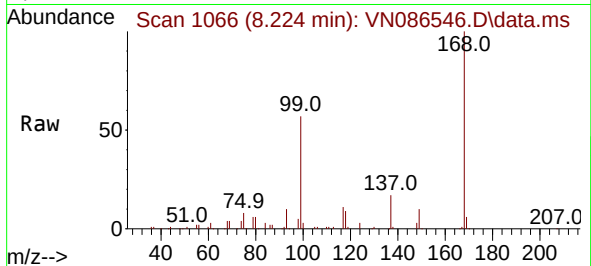




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

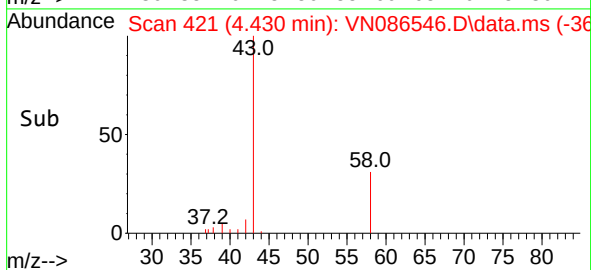
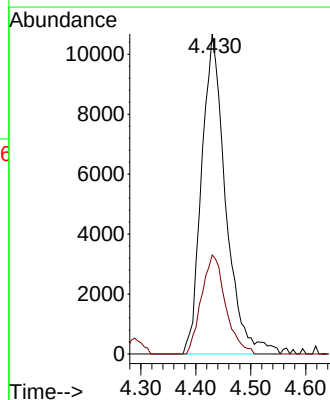
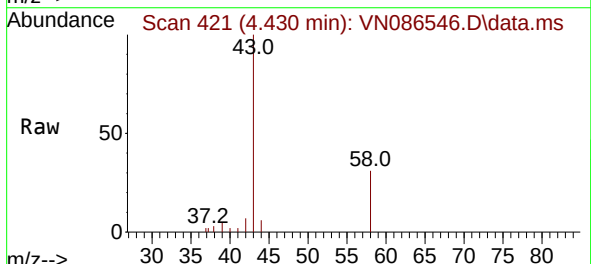
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#04

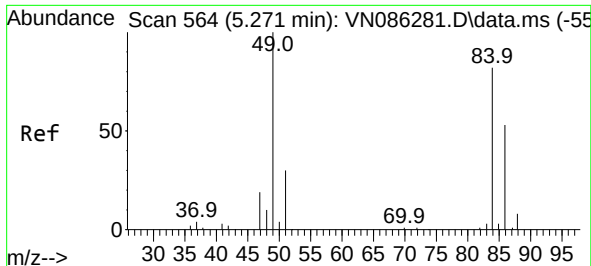
Tgt Ion:168 Resp: 194767
Ion Ratio Lower Upper
168 100
99 57.0 52.5 78.7



#16
Acetone
Concen: 28.191 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

Tgt Ion: 43 Resp: 32472
Ion Ratio Lower Upper
43 100
58 30.9 25.3 37.9

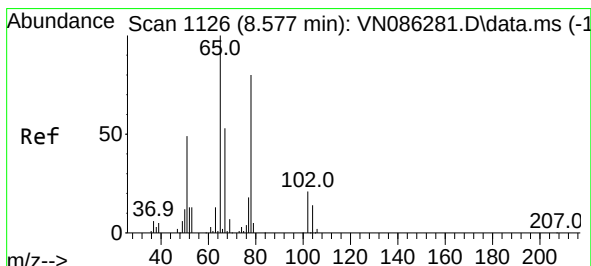
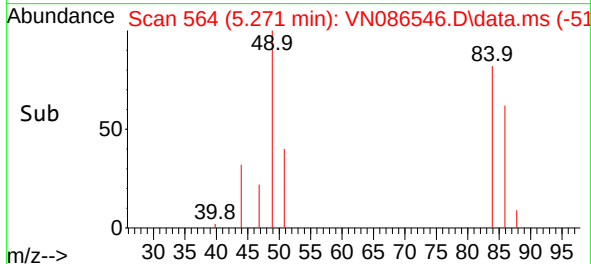
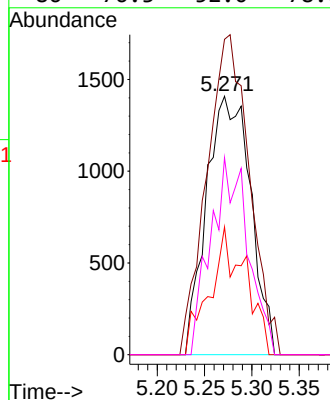
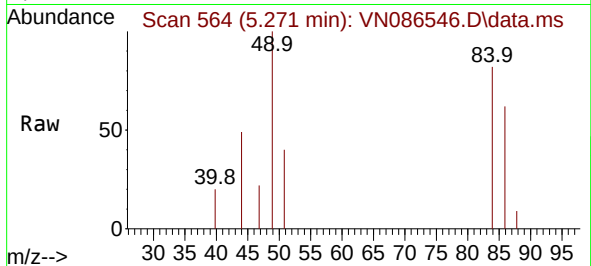




#20
Methylene Chloride
Concen: 1.750 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

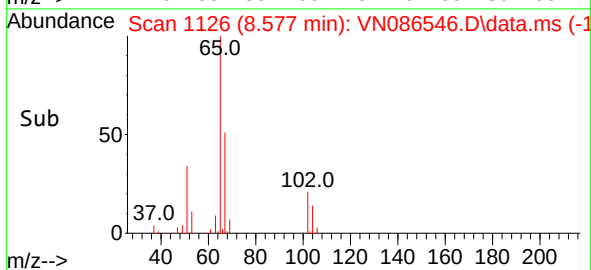
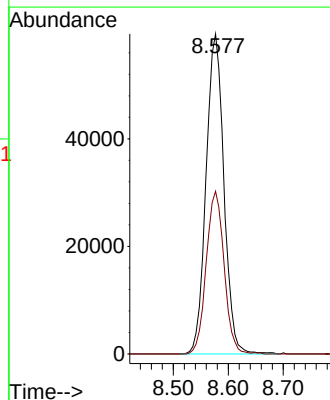
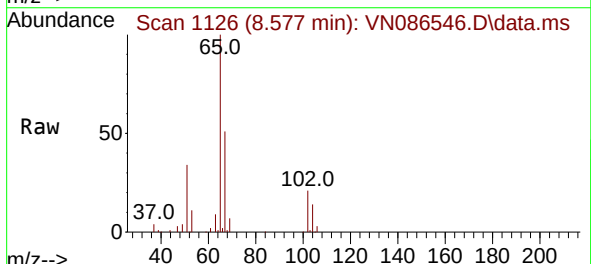
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#04

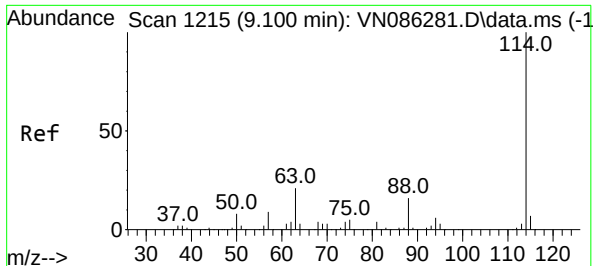
Tgt Ion:	84	Resp:	4570
Ion	Ratio	Lower	Upper
84	100		
49	122.1	98.2	147.2
51	49.4	29.8	44.6#
86	76.3	52.0	78.0



#33
1,2-Dichloroethane-d4
Concen: 47.505 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

Tgt Ion:	65	Resp:	134169
Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN086546.D

Acq: 08 May 2025 15:25

Instrument :

MSVOA_N

ClientSampleId :

PB167895ZHE#04

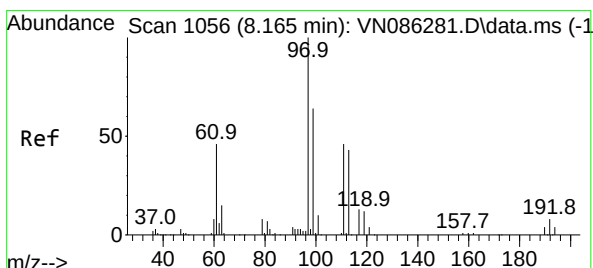
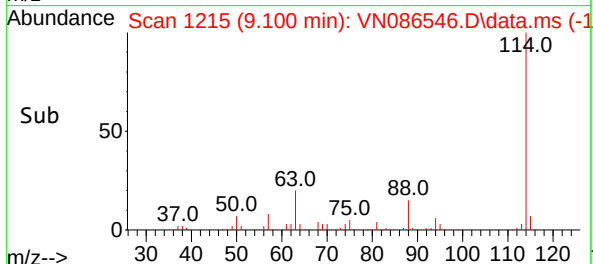
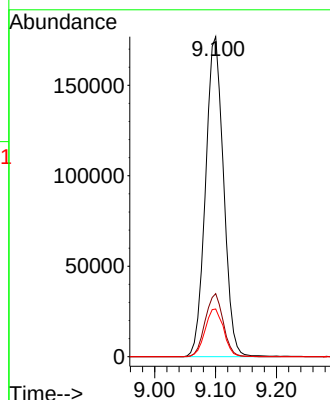
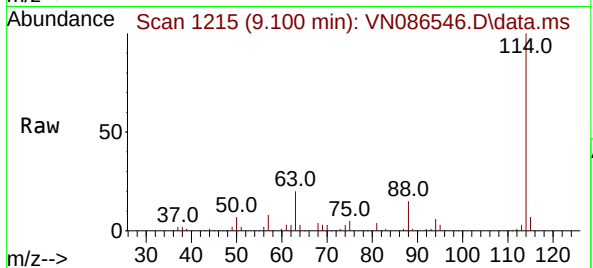
Tgt Ion:114 Resp: 363039

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 62.097 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086546.D

Acq: 08 May 2025 15:25

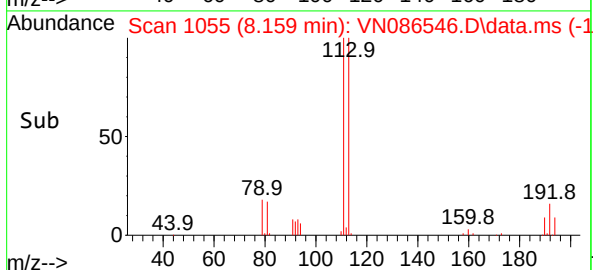
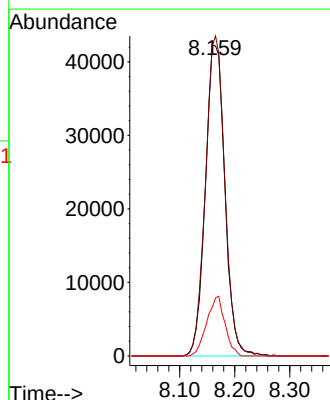
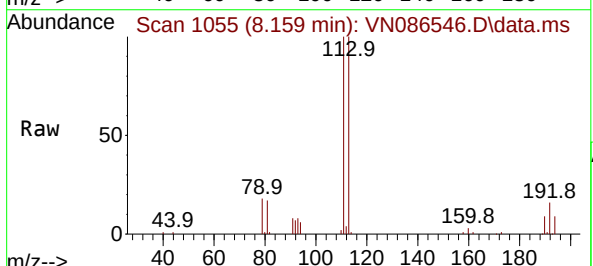
Tgt Ion:113 Resp: 104628

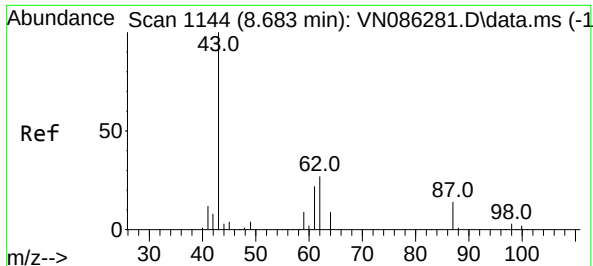
Ion Ratio Lower Upper

113 100

111 101.7 83.4 125.0

192 17.9 13.7 20.5





#43

Isopropyl Acetate

Concen: 3.453 ug/l

RT: 8.688 min Scan# 1144

Delta R.T. 0.005 min

Lab File: VN086546.D

Acq: 08 May 2025 15:25

Instrument :

MSVOA_N

ClientSampleId :

PB167895ZHE#04

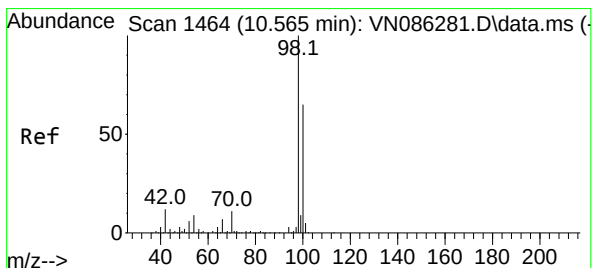
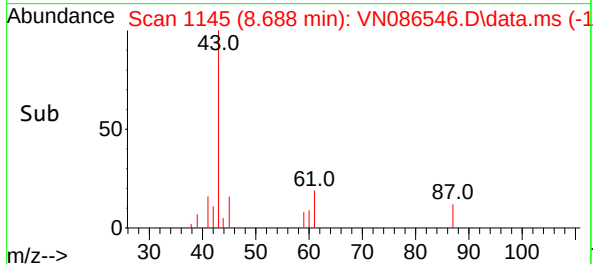
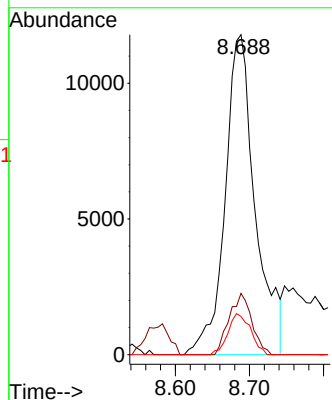
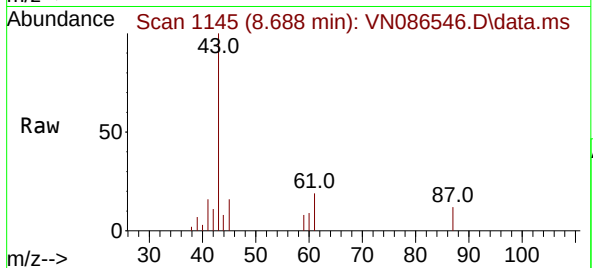
Tgt Ion: 43 Resp: 33410

Ion Ratio Lower Upper

43 100

61 14.4 20.5 30.7#

87 9.6 10.5 15.7#



#50

Toluene-d8

Concen: 50.499 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086546.D

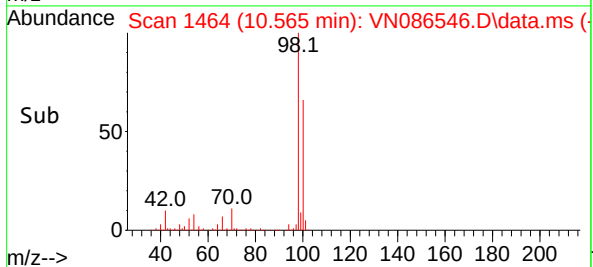
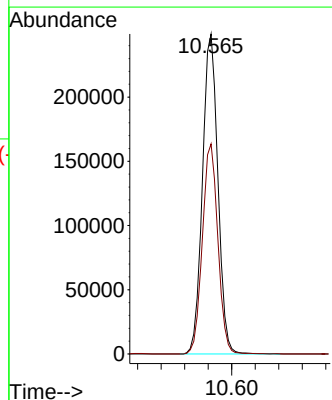
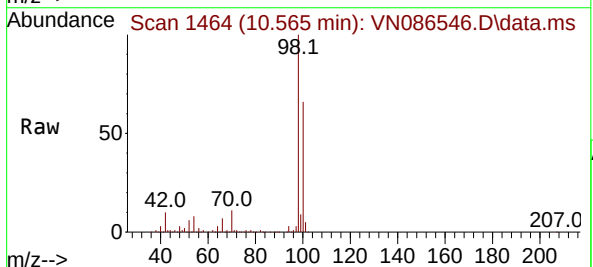
Acq: 08 May 2025 15:25

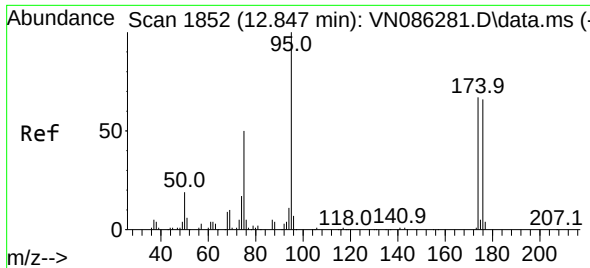
Tgt Ion: 98 Resp: 454744

Ion Ratio Lower Upper

98 100

100 65.9 52.5 78.7

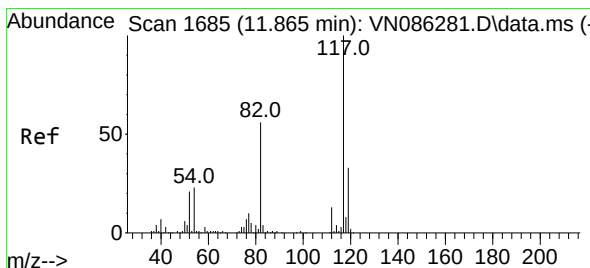
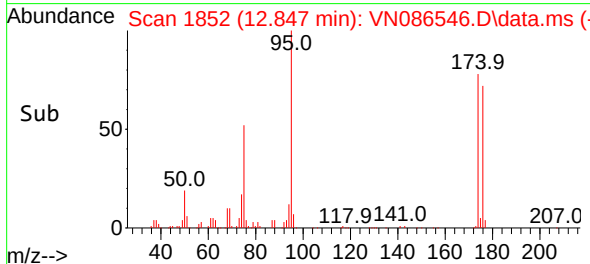
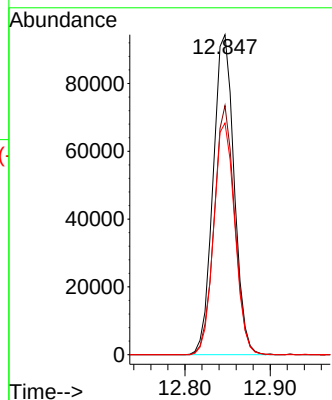
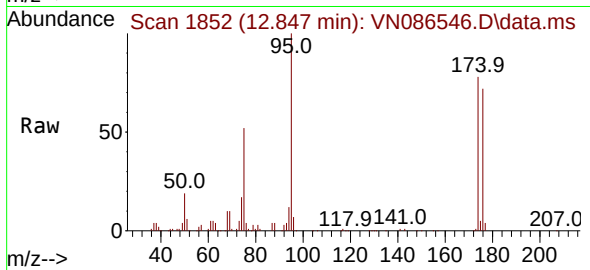




#62
4-Bromofluorobenzene
Concen: 49.233 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

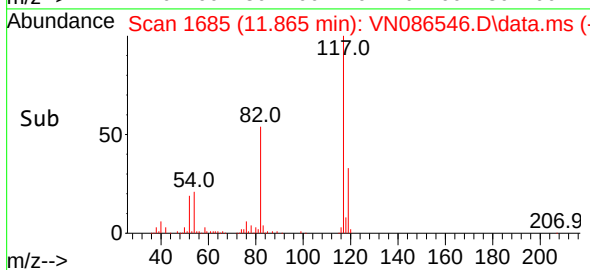
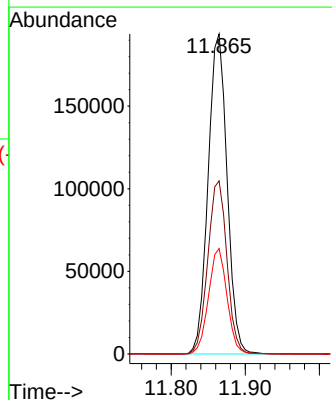
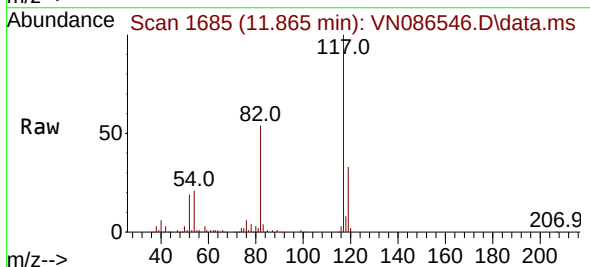
Instrument :
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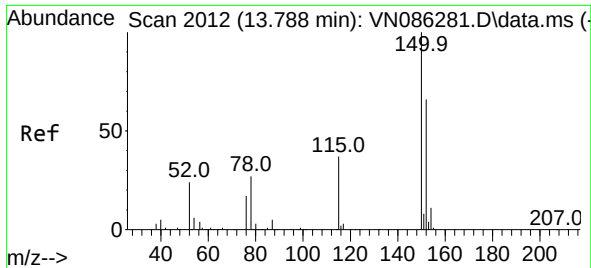
Tgt Ion: 95 Resp: 161707
Ion Ratio Lower Upper
95 100
174 76.0 0.0 133.4
176 72.7 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086546.D
Acq: 08 May 2025 15:25

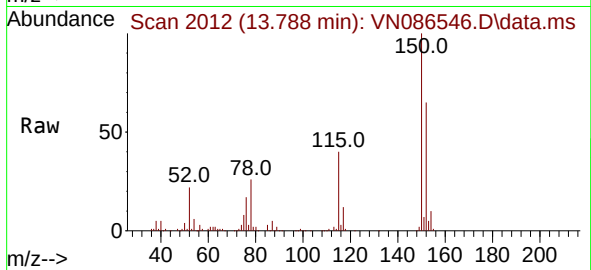
Tgt Ion: 117 Resp: 344574
Ion Ratio Lower Upper
117 100
82 54.1 44.7 67.1
119 32.9 26.4 39.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN086546.D
 Acq: 08 May 2025 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167895ZHE#04



Tgt Ion:152 Resp: 151345
 Ion Ratio Lower Upper
 152 100
 115 60.5 31.9 95.9
 150 156.3 0.0 352.0

