

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051525\
 Data File : VN086645.D
 Acq On : 15 May 2025 15:11
 Operator : JC\MD
 Sample : PB167995ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167995ZHE#07

Quant Time: May 16 05:28:29 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)

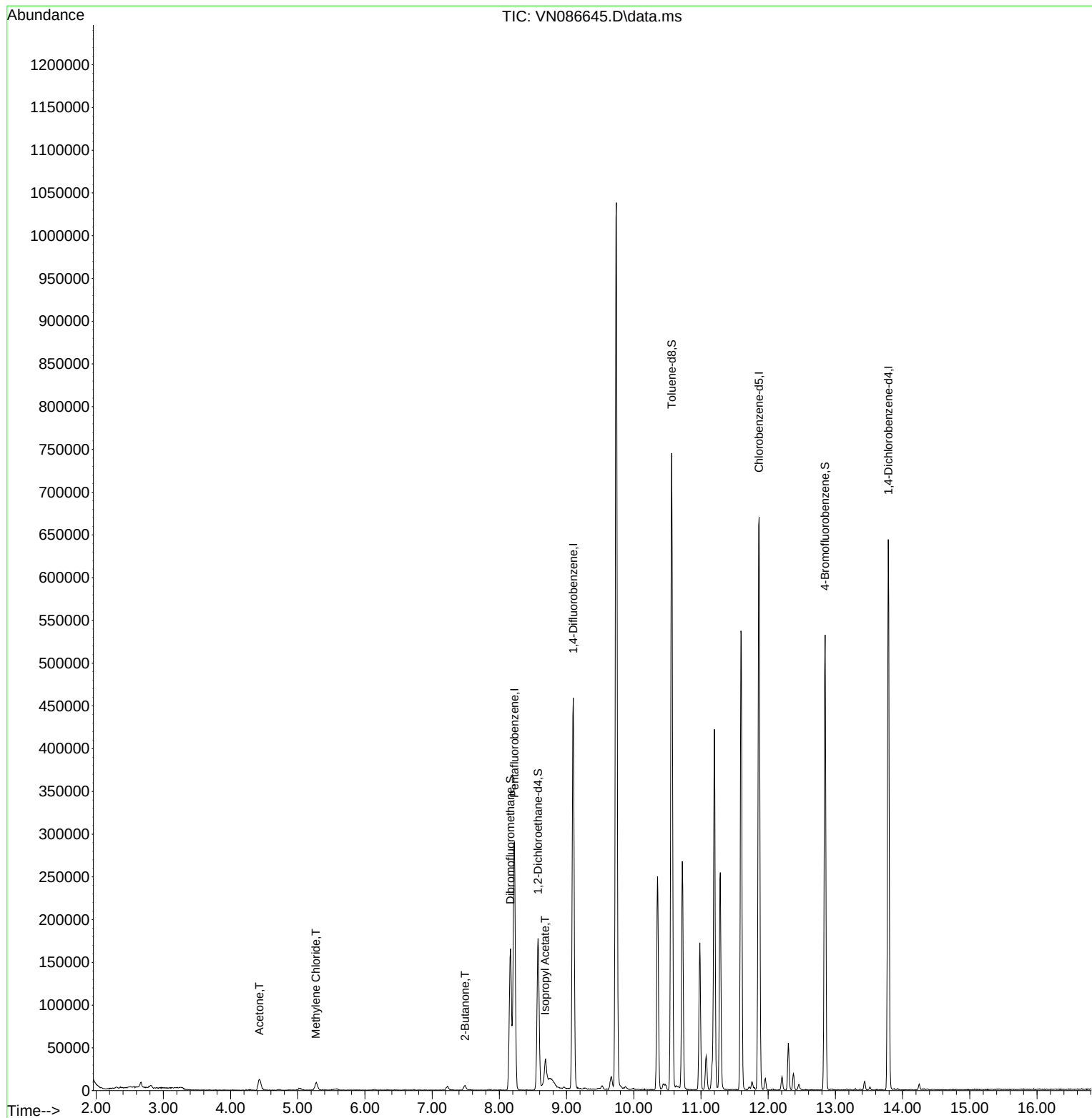
Internal Standards						
1) Pentafluorobenzene	8.224	168	222049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	413362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	408935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	179145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	147112	45.688	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.380%
35) Dibromofluoromethane	8.165	113	124131	64.703	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	129.400%#
50) Toluene-d8	10.565	98	533004	51.984	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.960%
62) 4-Bromofluorobenzene	12.847	95	198408	53.053	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.100%
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	26557	18.572	ug/l	100
20) Methylene Chloride	5.271	84	7026	2.360	ug/l #	80
25) 2-Butanone	7.488	43	10088	5.033	ug/l	93
43) Isopropyl Acetate	8.682	43	51560	5.352	ug/l #	79

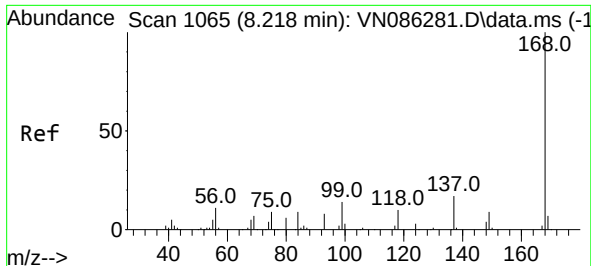
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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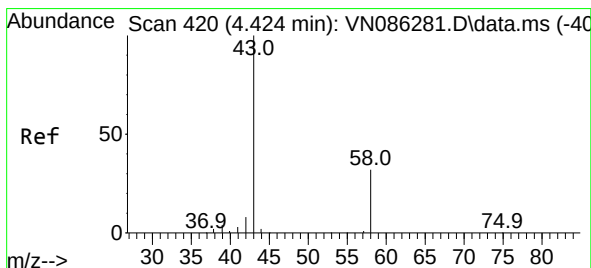
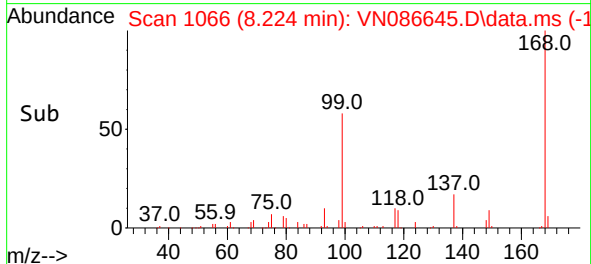
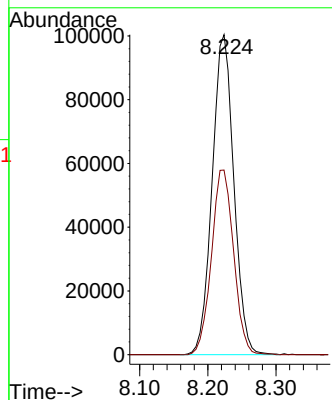
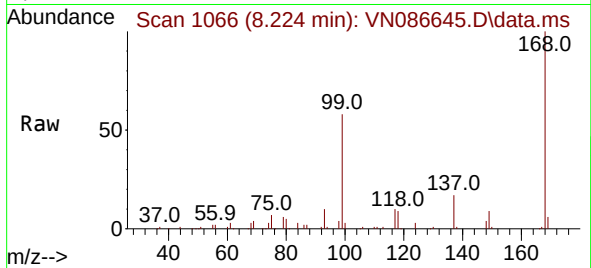




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086645.D
Acq: 15 May 2025 15:11

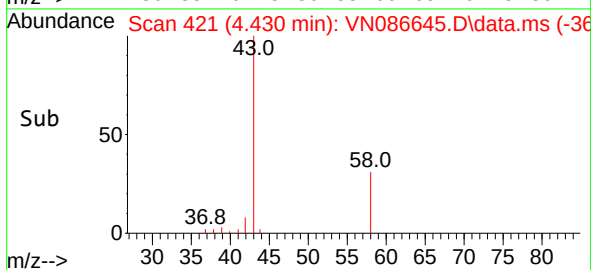
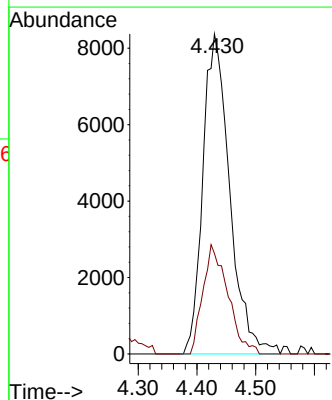
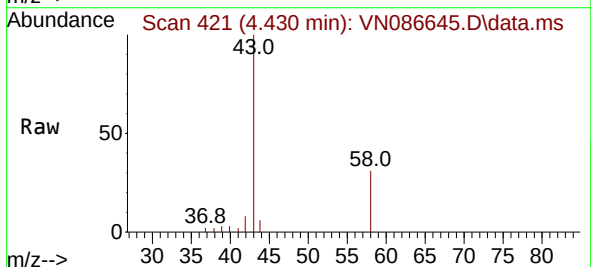
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#07

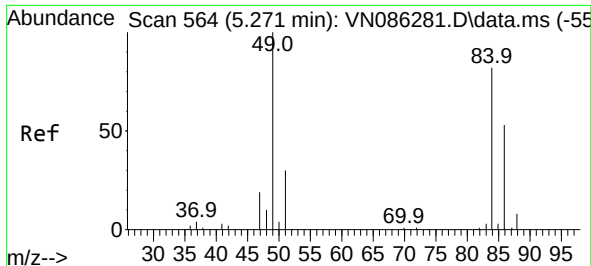
Tgt Ion:168 Resp: 222049
Ion Ratio Lower Upper
168 100
99 57.7 52.5 78.7



#16
Acetone
Concen: 18.572 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086645.D
Acq: 15 May 2025 15:11

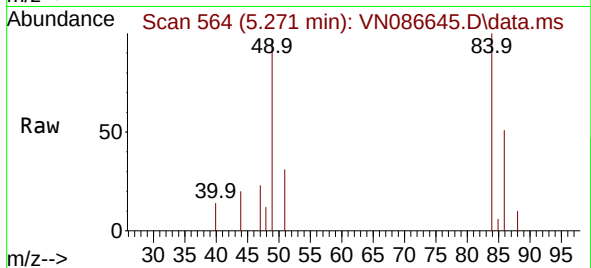
Tgt Ion: 43 Resp: 26557
Ion Ratio Lower Upper
43 100
58 31.4 25.3 37.9



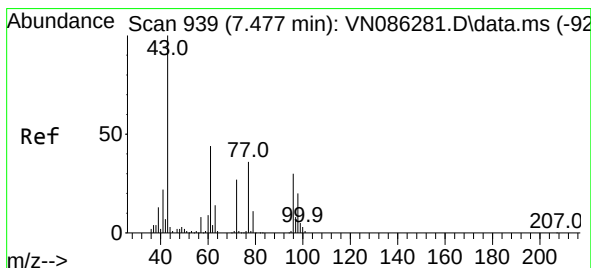
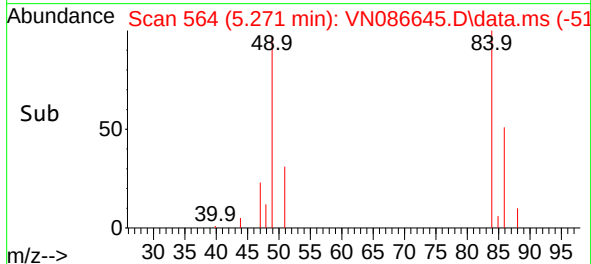
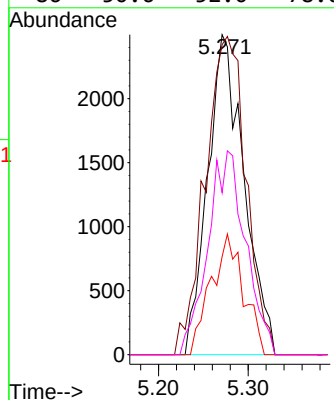


#20
Methylene Chloride
Concen: 2.360 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086645.D
Acq: 15 May 2025 15:11

Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#07

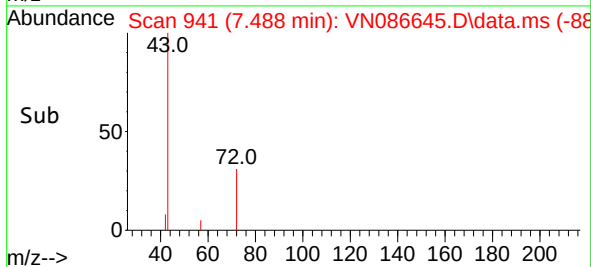
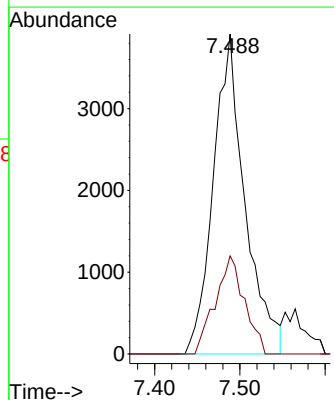
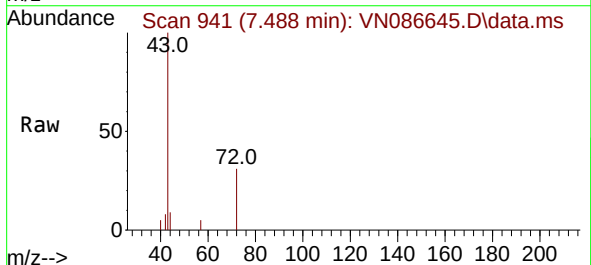


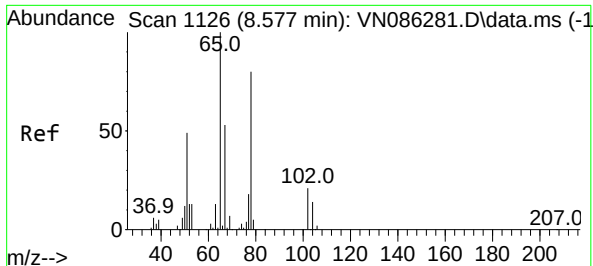
Tgt Ion:	84	Resp:	7026
Ion	Ratio	Lower	Upper
84	100		
49	96.9	98.2	147.2#
51	30.6	29.8	44.6
86	50.6	52.0	78.0#



#25
2-Butanone
Concen: 5.033 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086645.D
Acq: 15 May 2025 15:11

Tgt Ion:	43	Resp:	10088
Ion	Ratio	Lower	Upper
43	100		
72	30.7	21.7	32.5





#33

1,2-Dichloroethane-d4

Concen: 45.688 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086645.D

Acq: 15 May 2025 15:11

Instrument :

MSVOA_N

ClientSampleId :

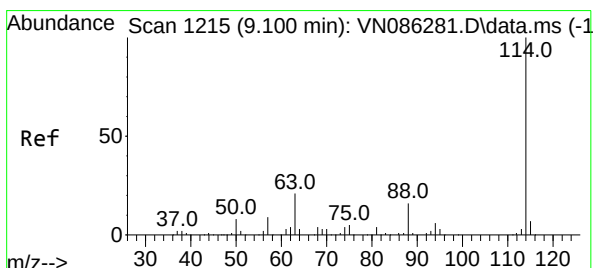
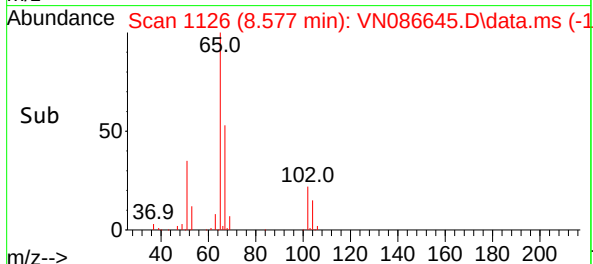
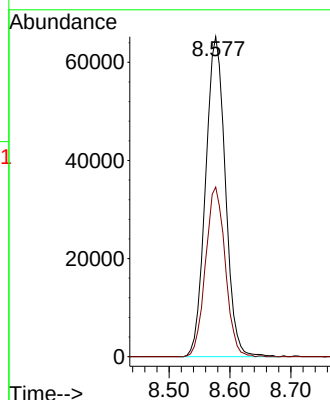
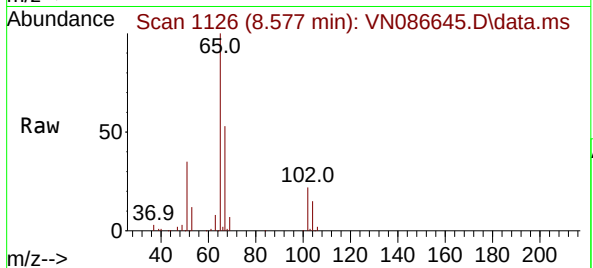
PB167995ZHE#07

Tgt Ion: 65 Resp: 147112

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086645.D

Acq: 15 May 2025 15:11

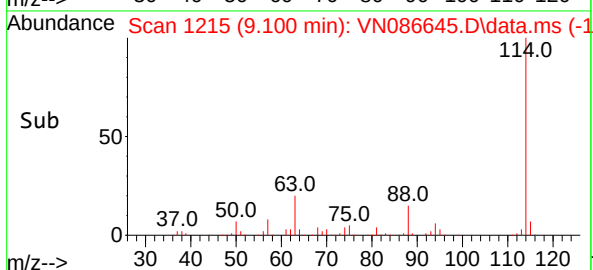
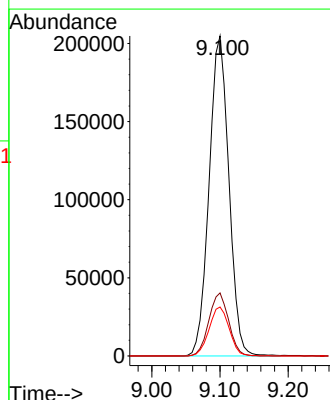
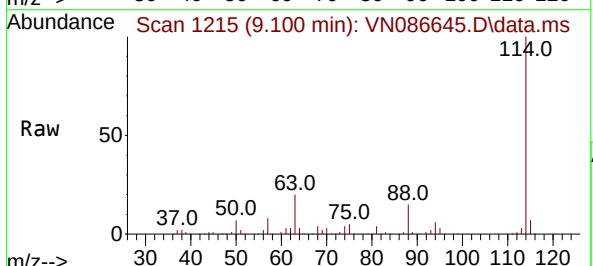
Tgt Ion: 114 Resp: 413362

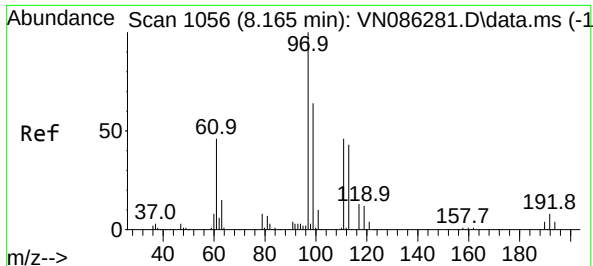
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

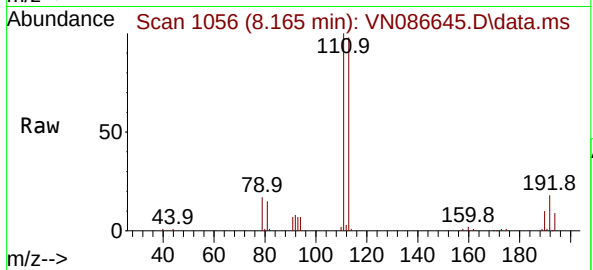
88 15.3 0.0 31.8



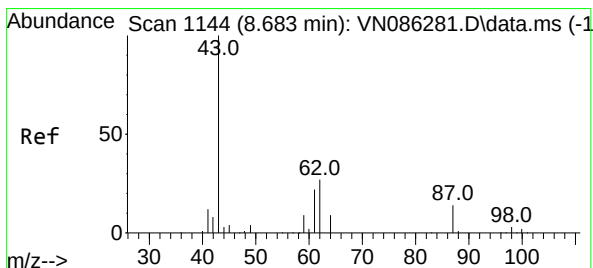
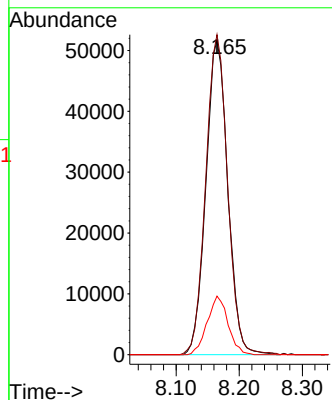
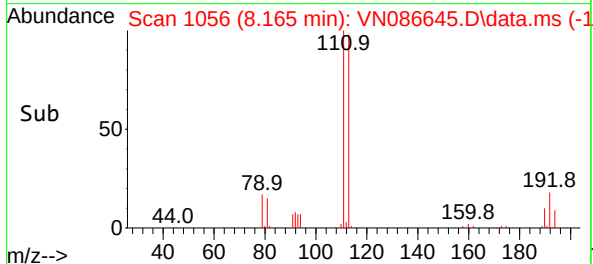


#35
Dibromofluoromethane
Concen: 64.703 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086645.D
Acq: 15 May 2025 15:11

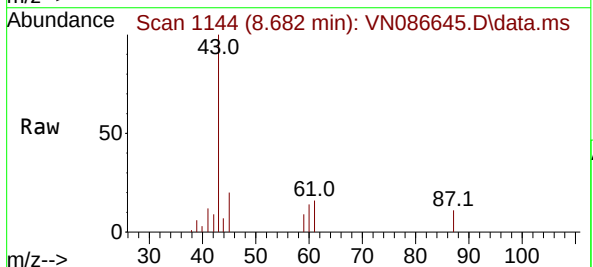
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#07



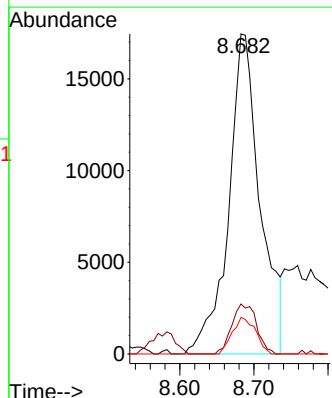
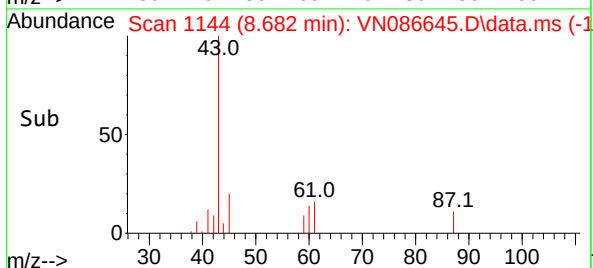
Tgt Ion:113 Resp: 124131
Ion Ratio Lower Upper
113 100
111 101.8 83.4 125.0
192 17.8 13.7 20.5

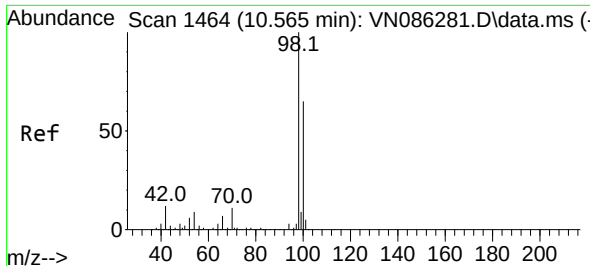


#43
Isopropyl Acetate
Concen: 5.352 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.001 min
Lab File: VN086645.D
Acq: 15 May 2025 15:11



Tgt Ion: 43 Resp: 51560
Ion Ratio Lower Upper
43 100
61 12.2 20.5 30.7#
87 8.4 10.5 15.7#

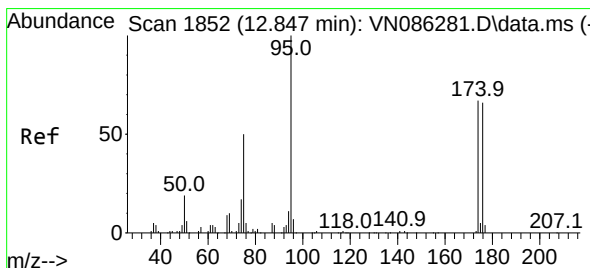
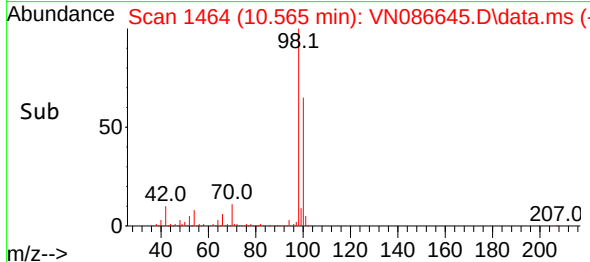
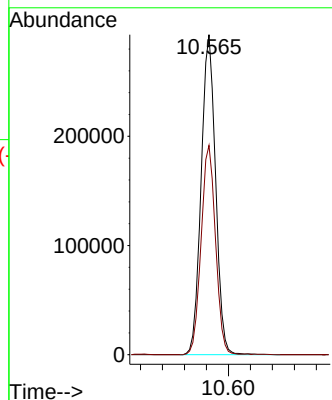
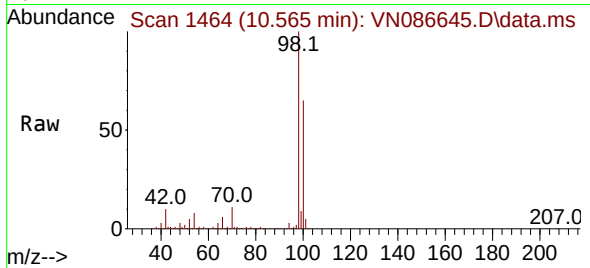




#50
Toluene-d8
Concen: 51.984 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086645.D
Acq: 15 May 2025 15:11

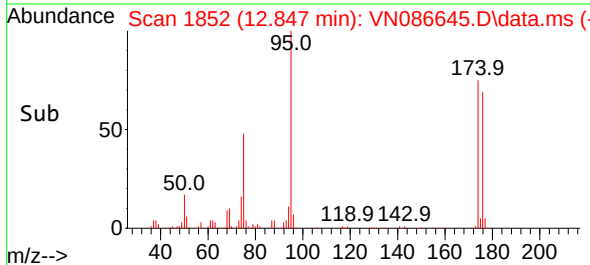
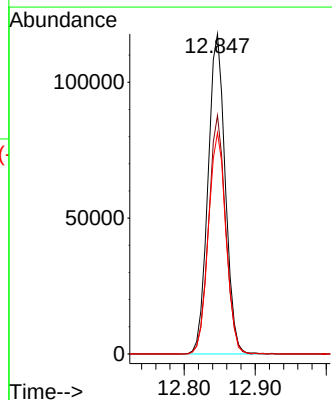
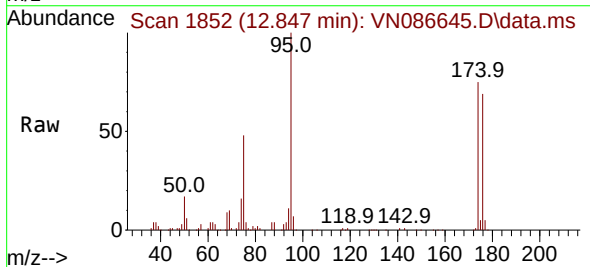
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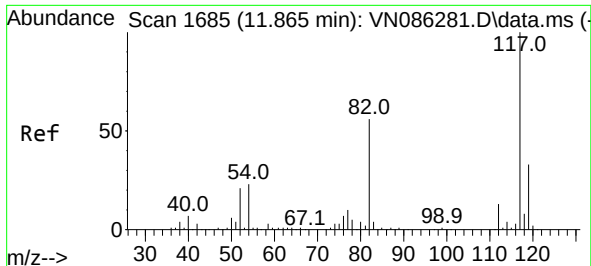
Tgt Ion: 98 Resp: 533004
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 53.053 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086645.D
Acq: 15 May 2025 15:11

Tgt Ion: 95 Resp: 198408
Ion Ratio Lower Upper
95 100
174 73.9 0.0 133.4
176 70.5 0.0 129.2

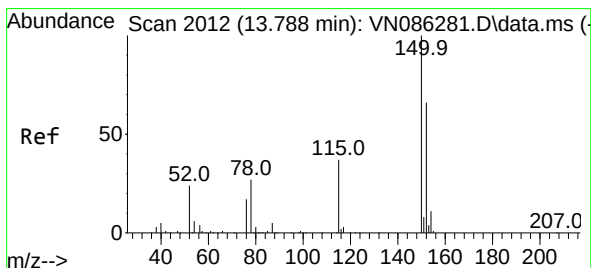
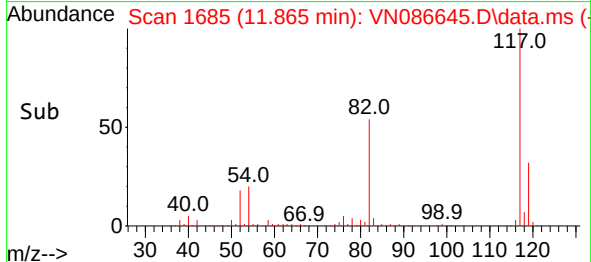
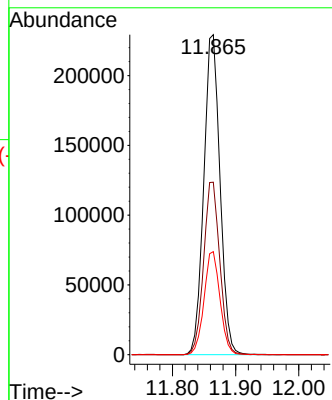
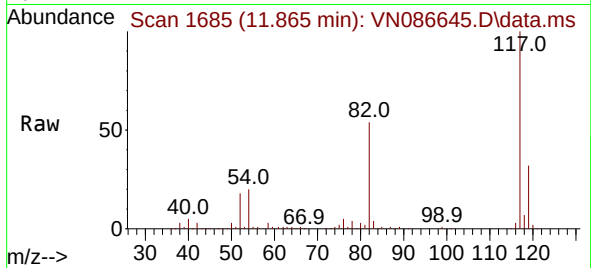




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086645.D
Acq: 15 May 2025 15:11

Instrument :
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ClientSampleId :
PB167995ZHE#07

Tgt Ion:117 Resp: 408935
Ion Ratio Lower Upper
117 100
82 53.9 44.7 67.1
119 32.2 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086645.D
Acq: 15 May 2025 15:11

Tgt Ion:152 Resp: 179145
Ion Ratio Lower Upper
152 100
115 60.8 31.9 95.9
150 158.3 0.0 352.0

