

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031325\
 Data File : VN085977.D
 Acq On : 13 Mar 2025 13:49
 Operator : JC\MD
 Sample : PB167104ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167104ZHE#02

Quant Time: Mar 14 00:28:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

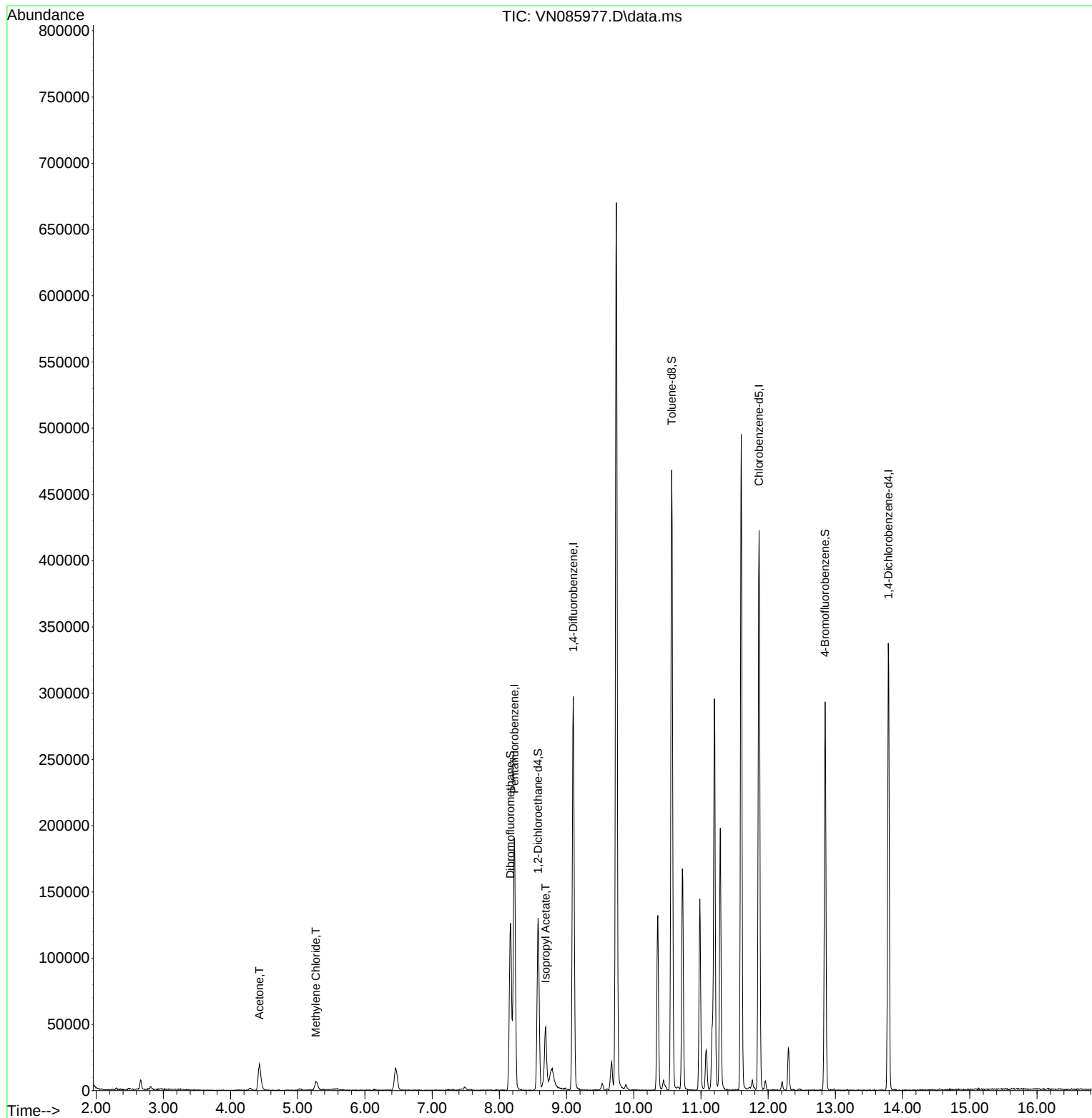
Internal Standards						
1) Pentafluorobenzene	8.224	168	135240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	255531m	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	248285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	93743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	109331	62.356	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 124.720%		
35) Dibromofluoromethane	8.165	113	90919	54.375	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 108.760%		
50) Toluene-d8	10.565	98	330111	54.263	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 108.520%		
62) 4-Bromofluorobenzene	12.847	95	101410	50.594	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 101.180%		
Target Compounds						
						Qvalue
16) Acetone	4.430	43	36161	65.180	ug/l	99
20) Methylene Chloride	5.271	84	5239	2.936	ug/l #	83
43) Isopropyl Acetate	8.688	43	53106	15.158	ug/l #	86

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

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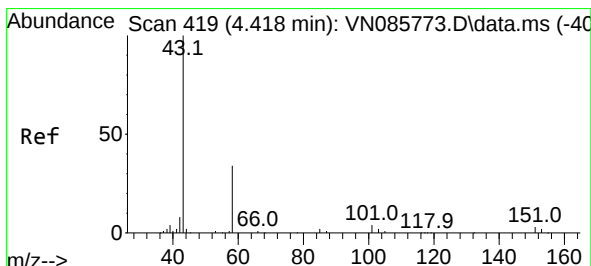
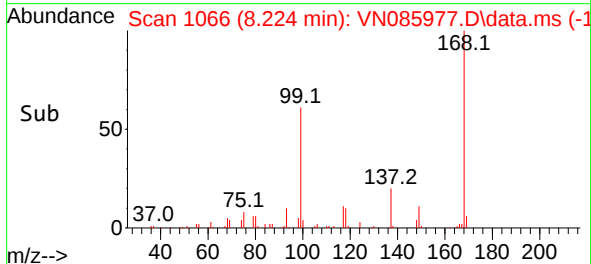
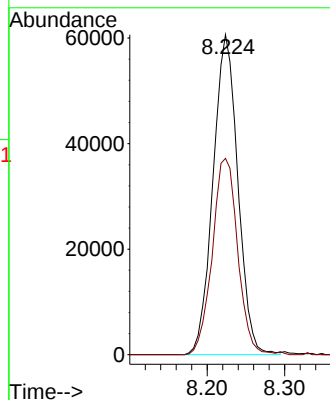
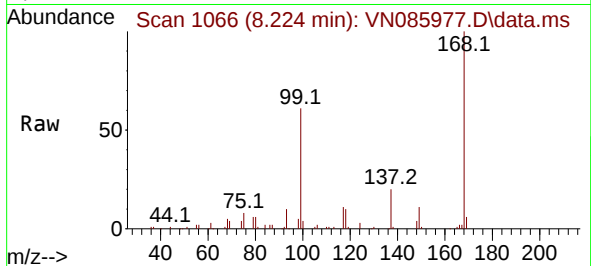




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

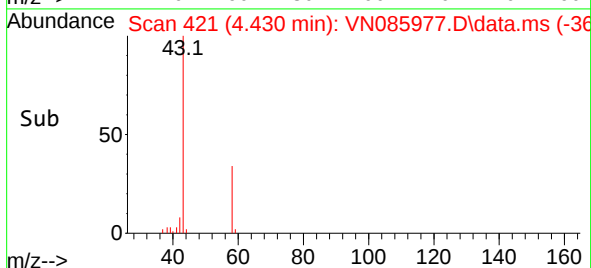
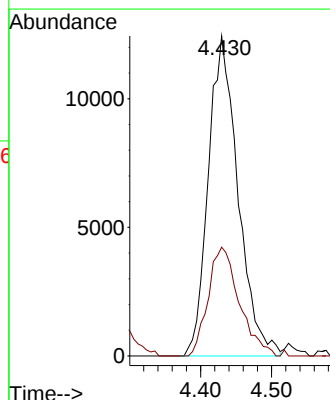
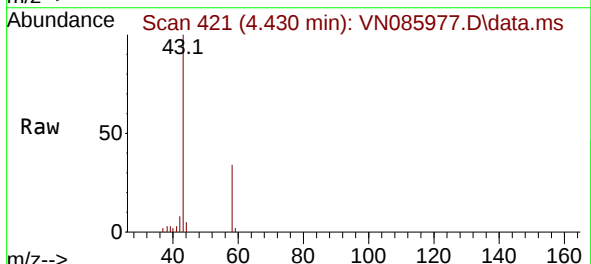
Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#02

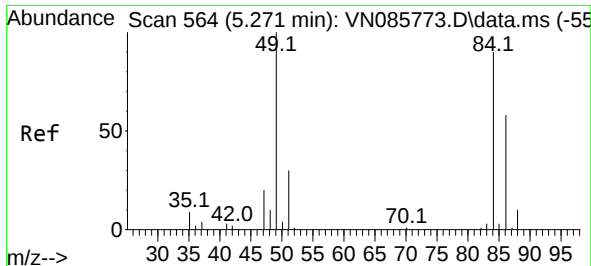
Tgt Ion:168 Resp: 135240
Ion Ratio Lower Upper
168 100
99 61.3 47.9 71.9



#16
Acetone
Concen: 65.180 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

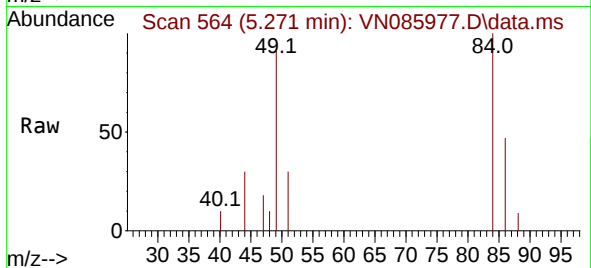
Tgt Ion: 43 Resp: 36161
Ion Ratio Lower Upper
43 100
58 34.0 27.5 41.3



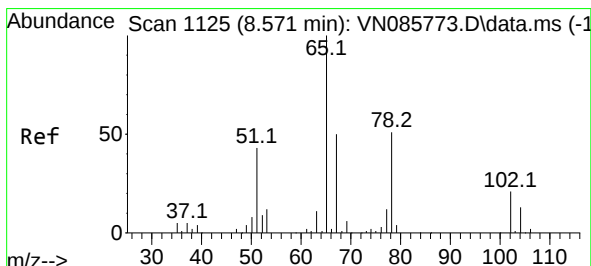
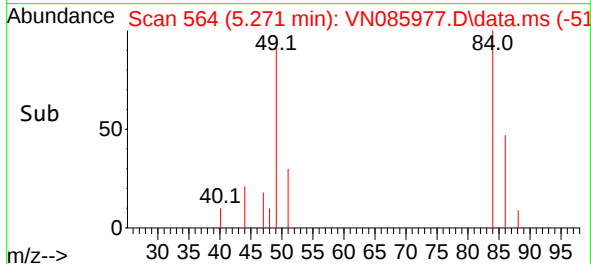
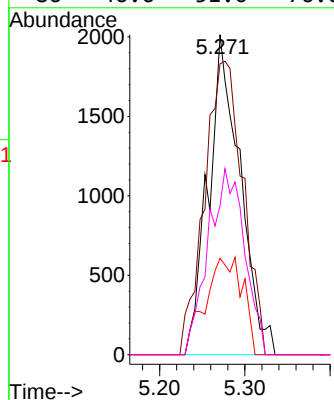


#20
Methylene Chloride
Concen: 2.936 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#02

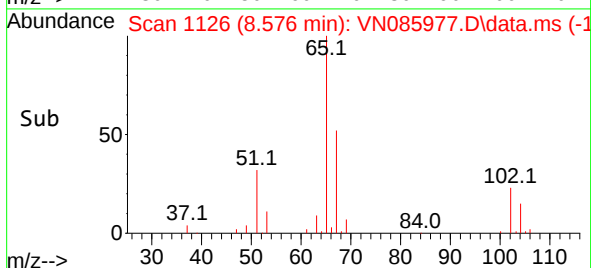
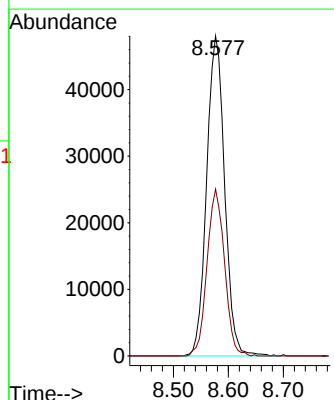
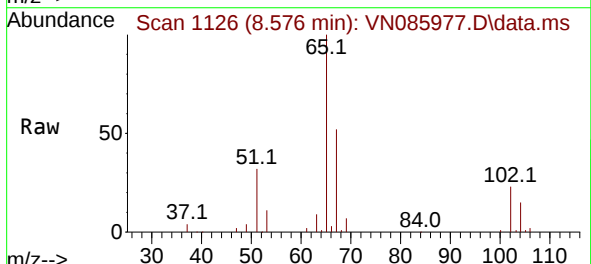


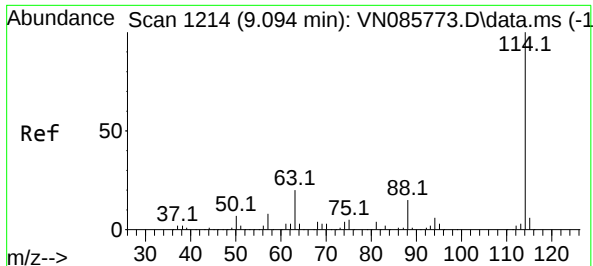
Tgt Ion: 84	Resp: 5239
Ion Ratio	Lower Upper
84 100	
49 90.9	88.4 132.6
51 30.1	26.6 40.0
86 46.6	51.0 76.6#



#33
1,2-Dichloroethane-d4
Concen: 62.356 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

Tgt Ion: 65	Resp: 109331
Ion Ratio	Lower Upper
65 100	
67 50.7	0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l m

RT: 9.100 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085977.D

Acq: 13 Mar 2025 13:49

Instrument :

MSVOA_N

ClientSampleId :

PB167104ZHE#02

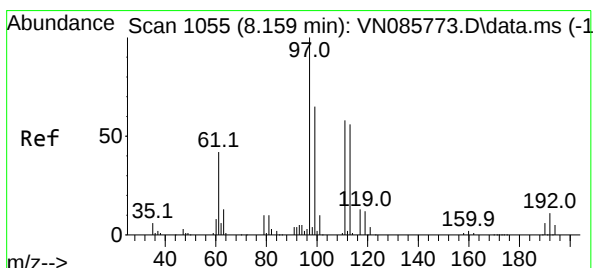
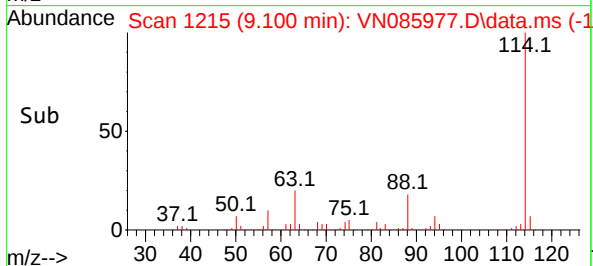
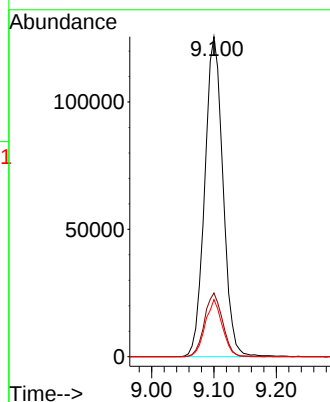
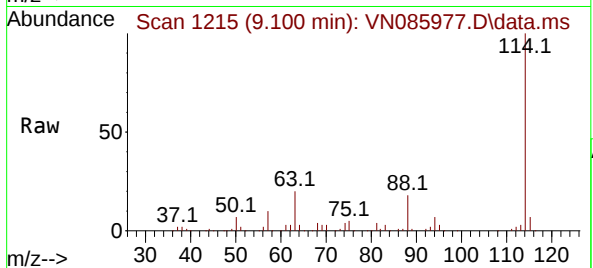
Tgt Ion:114 Resp: 255531

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.2

88 17.9 0.0 30.0



#35

Dibromofluoromethane

Concen: 54.375 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085977.D

Acq: 13 Mar 2025 13:49

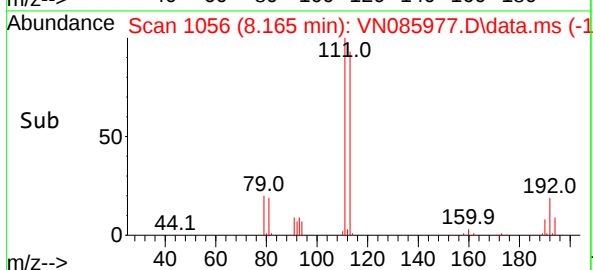
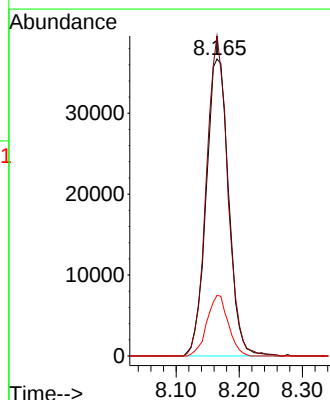
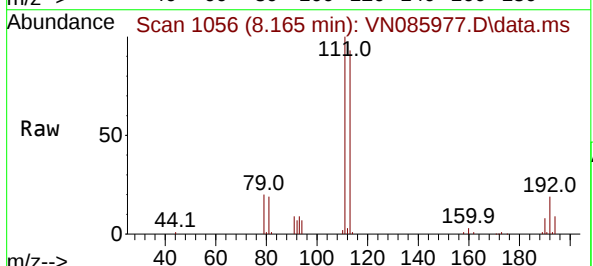
Tgt Ion:113 Resp: 90919

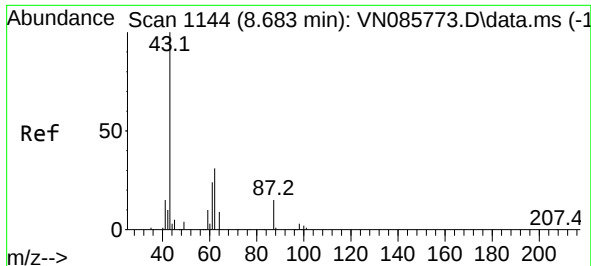
Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

192 19.2 14.7 22.1

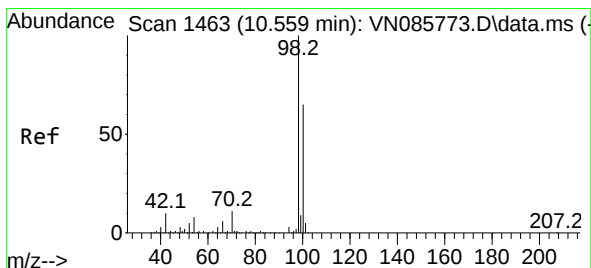
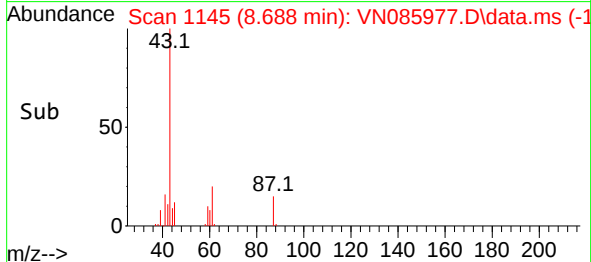
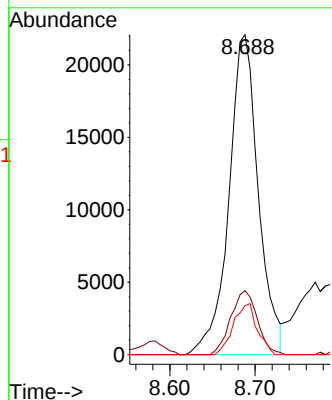
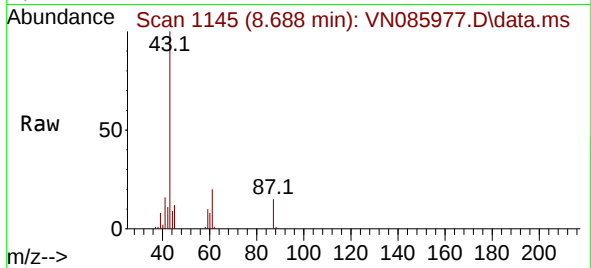




#43
Isopropyl Acetate
Concen: 15.158 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

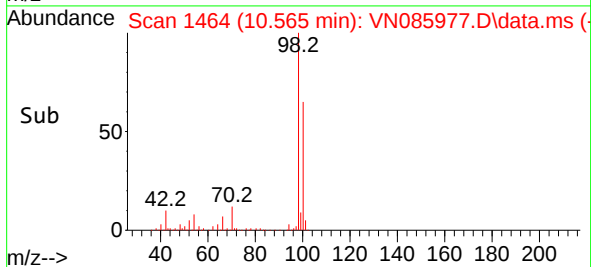
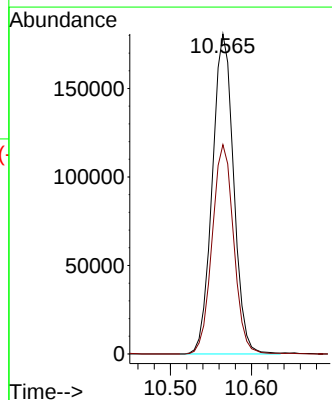
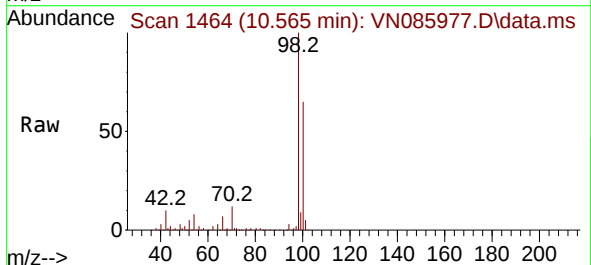
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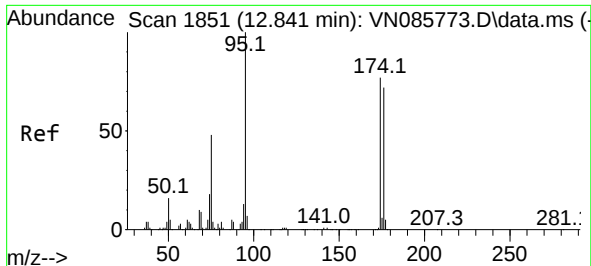
Tgt Ion: 43 Resp: 53106
Ion Ratio Lower Upper
43 100
61 18.0 22.6 34.0#
87 12.9 11.8 17.8



#50
Toluene-d8
Concen: 54.263 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

Tgt Ion: 98 Resp: 330111
Ion Ratio Lower Upper
98 100
100 66.1 52.1 78.1

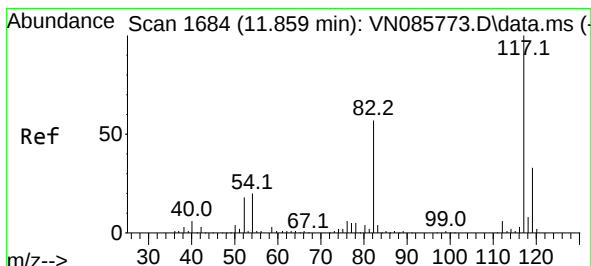
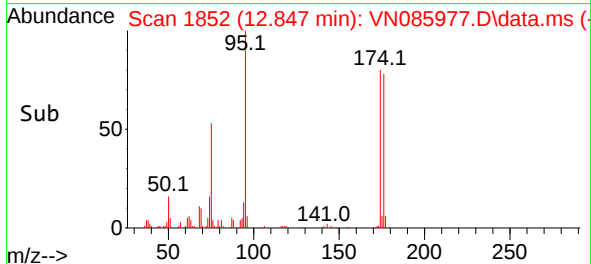
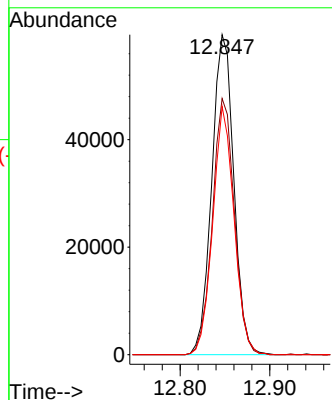
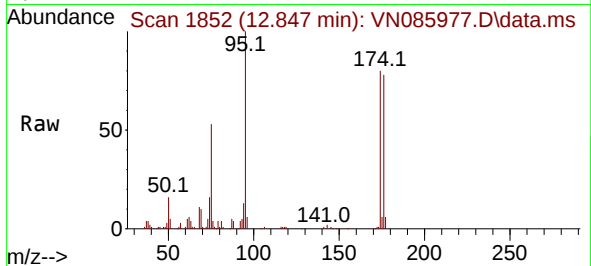




#62
4-Bromofluorobenzene
Concen: 50.594 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

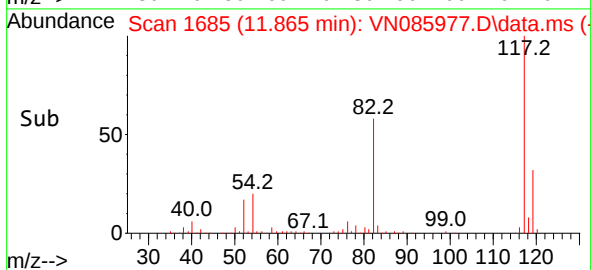
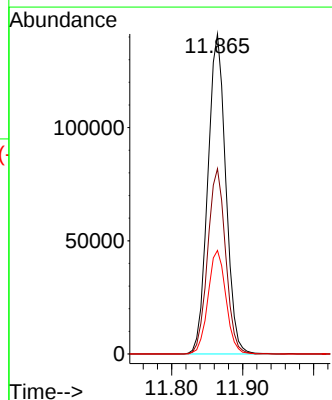
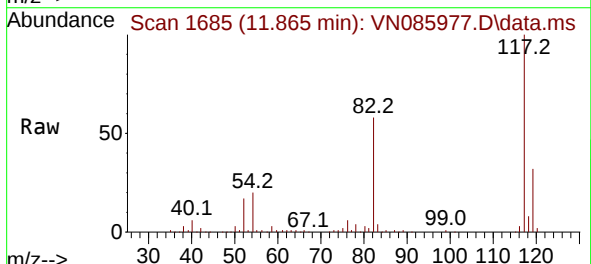
Instrument :
MSVOA_N
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PB167104ZHE#02

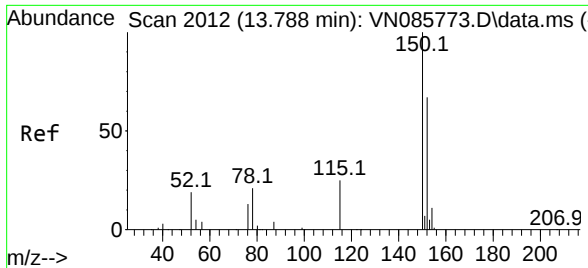
Tgt Ion: 95 Resp: 101410
Ion Ratio Lower Upper
95 100
174 80.0 0.0 152.4
176 75.0 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

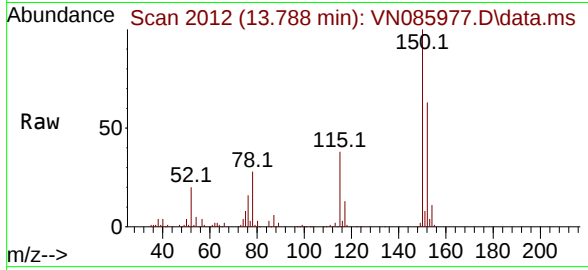
Tgt Ion: 117 Resp: 248285
Ion Ratio Lower Upper
117 100
82 57.9 45.7 68.5
119 32.3 26.2 39.2





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN085977.D
 Acq: 13 Mar 2025 13:49

Instrument :
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Tgt Ion:	152	Resp:	93743
Ion Ratio	Lower	Upper	
152	100		
115	61.8	30.4	91.3
150	157.9	0.0	345.4

