

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086103.D
 Acq On : 25 Mar 2025 16:16
 Operator : JC\MD
 Sample : PB167276ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167276ZHE#08

Quant Time: Mar 26 03:20:24 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)

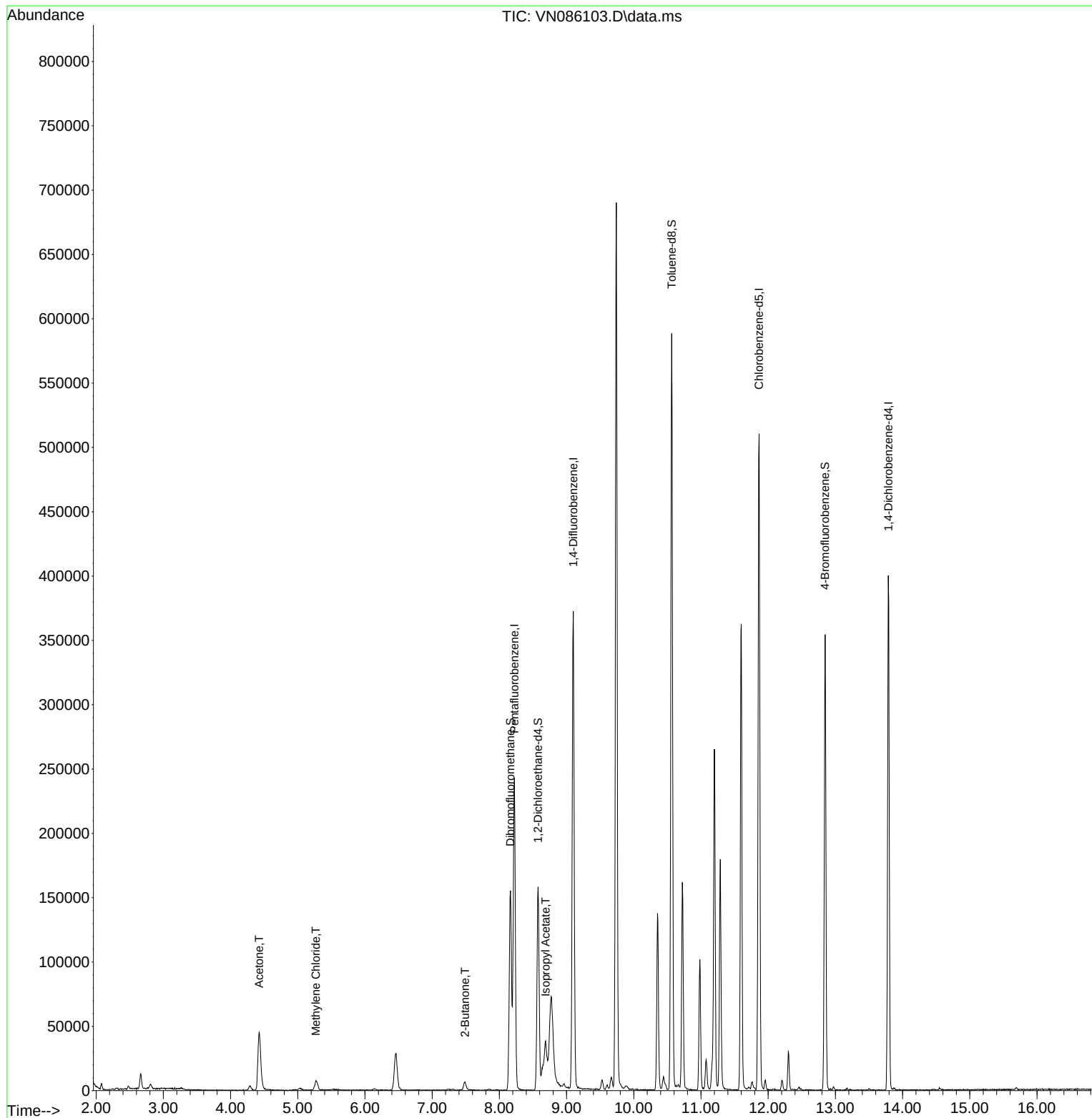
Internal Standards						
1) Pentafluorobenzene	8.224	168	172019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	328374	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	312962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	131417	55.791	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.580%
35) Dibromofluoromethane	8.165	113	113715	49.614	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.220%
50) Toluene-d8	10.565	98	414613	49.843	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.680%
62) 4-Bromofluorobenzene	12.847	95	124814	42.073	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	84.140%
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	85184	118.371	ug/l	98
20) Methylene Chloride	5.271	84	6502	3.088	ug/l #	96
25) 2-Butanone	7.488	43	11305	10.887	ug/l	89
43) Isopropyl Acetate	8.688	43	50835	9.214	ug/l #	66

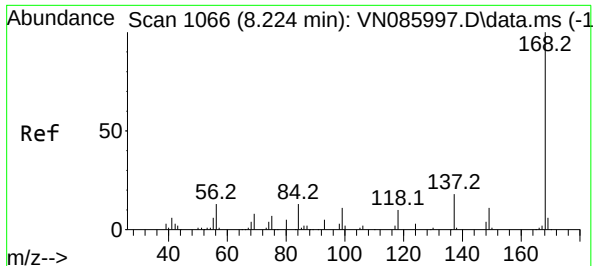
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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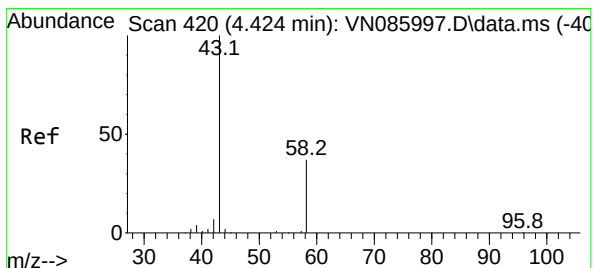
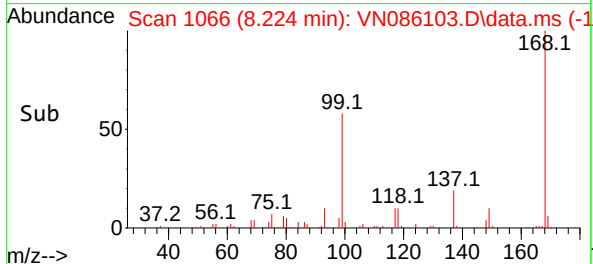
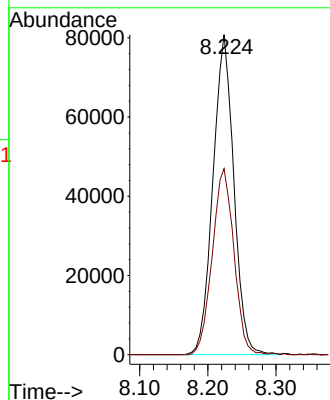
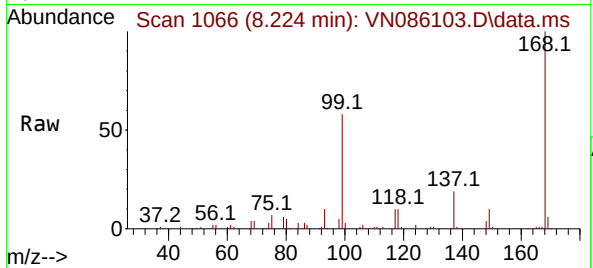




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

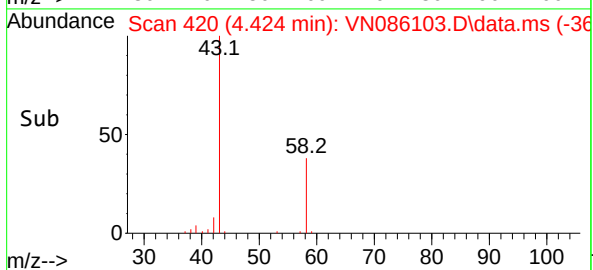
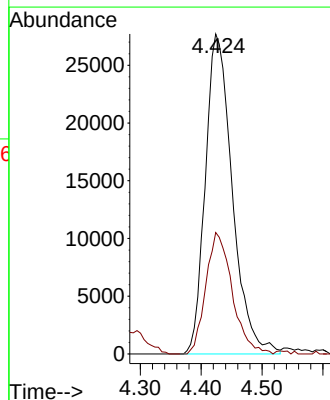
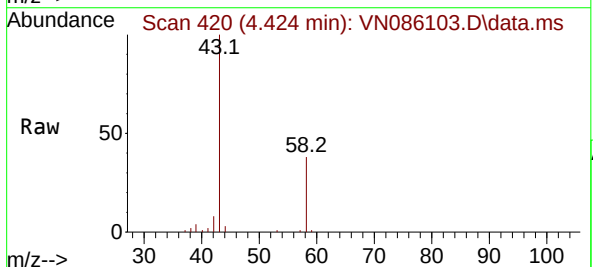
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#08

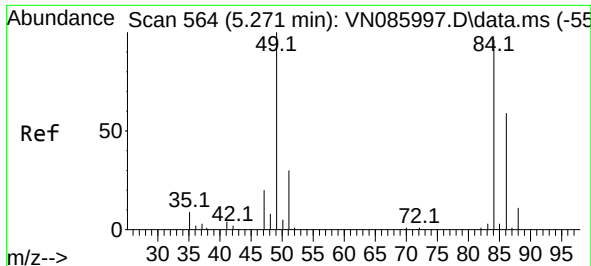
Tgt Ion:168 Resp: 172019
Ion Ratio Lower Upper
168 100
99 58.1 49.4 74.2



#16
Acetone
Concen: 118.371 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

Tgt Ion: 43 Resp: 85184
Ion Ratio Lower Upper
43 100
58 37.9 29.4 44.2

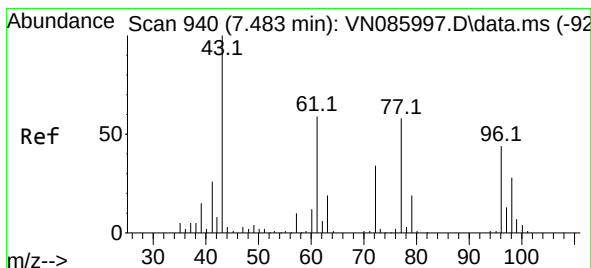
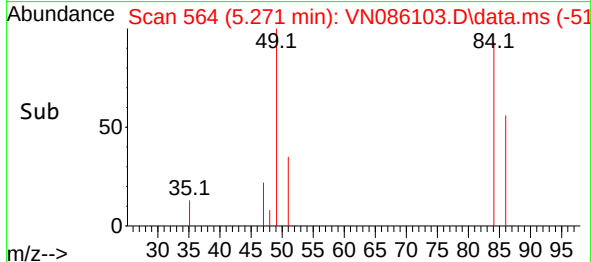
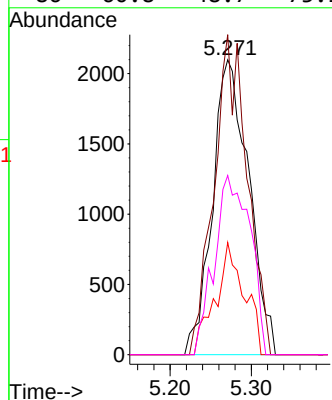
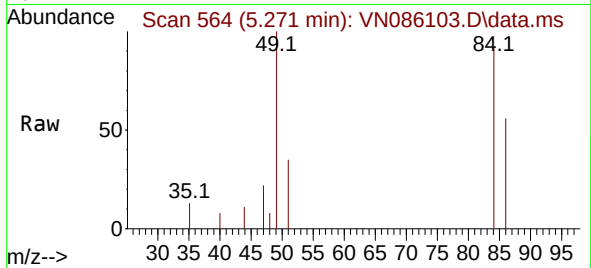




#20
Methylene Chloride
Concen: 3.088 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

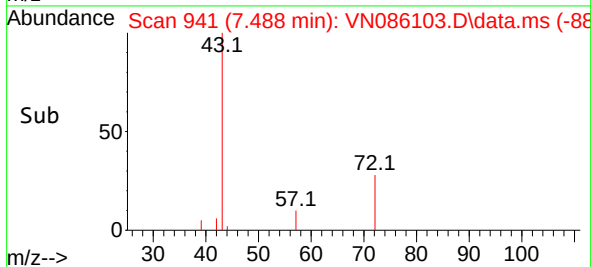
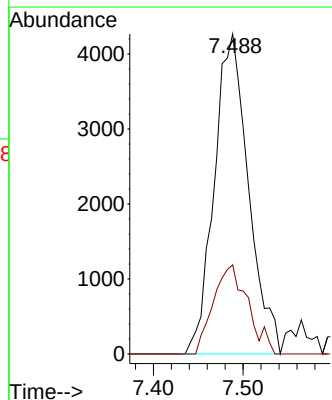
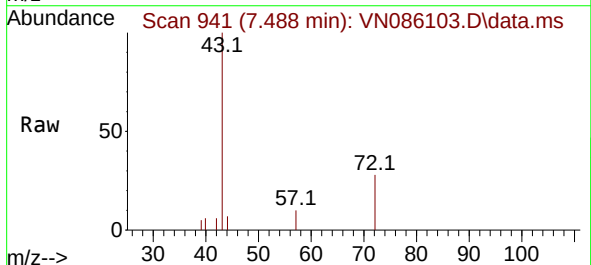
Instrument :
MSVOA_N
ClientSampleId :
PB167276ZHE#08

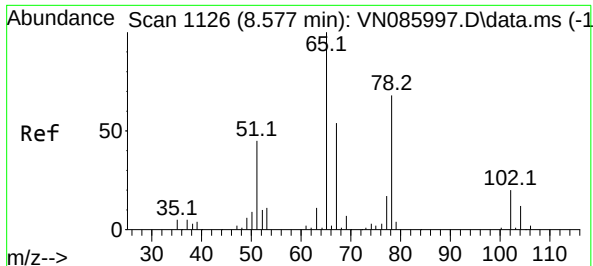
Tgt Ion: 84	Resp: 6502
Ion Ratio	Lower Upper
84 100	
49 108.5	83.3 124.9
51 38.0	24.8 37.2#
86 60.8	48.7 73.1



#25
2-Butanone
Concen: 10.887 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

Tgt Ion: 43	Resp: 11305
Ion Ratio	Lower Upper
43 100	
72 27.8	27.4 41.0





#33

1,2-Dichloroethane-d4

Concen: 55.791 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086103.D

Acq: 25 Mar 2025 16:16

Instrument :

MSVOA_N

ClientSampleId :

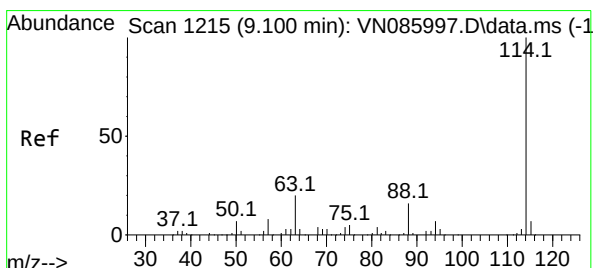
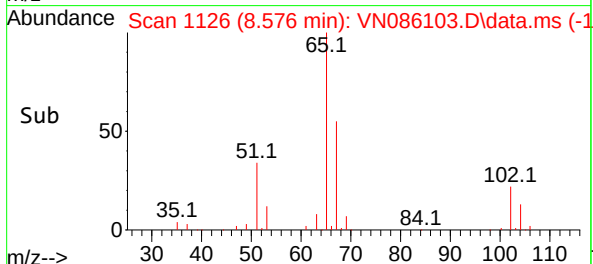
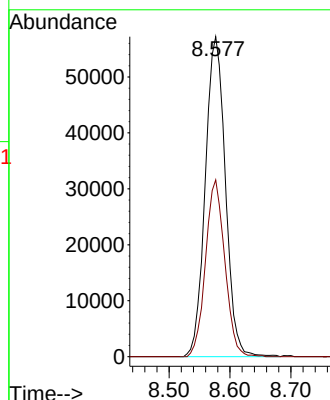
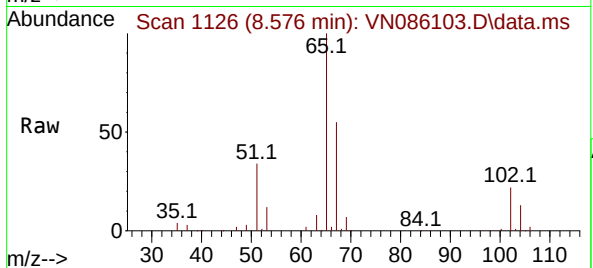
PB167276ZHE#08

Tgt Ion: 65 Resp: 131417

Ion Ratio Lower Upper

65 100

67 52.9 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: VN086103.D

Acq: 25 Mar 2025 16:16

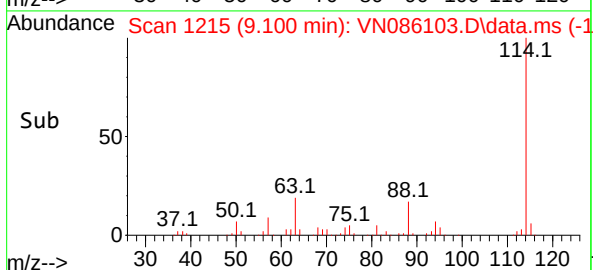
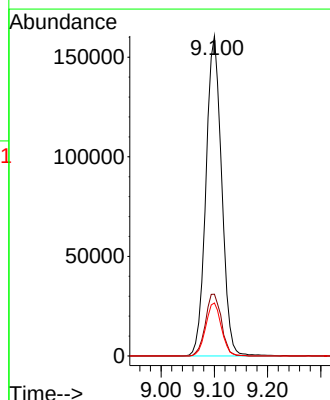
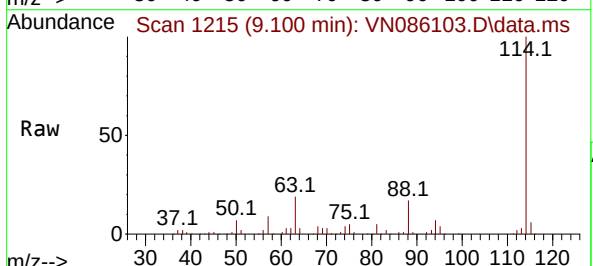
Tgt Ion: 114 Resp: 328374

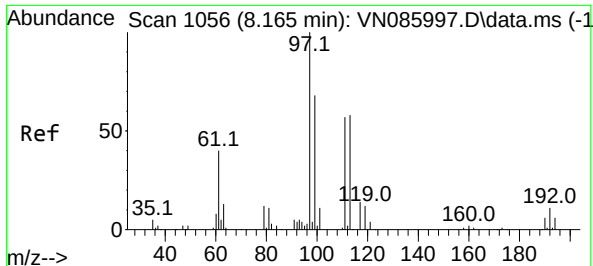
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

88 16.6 0.0 32.6

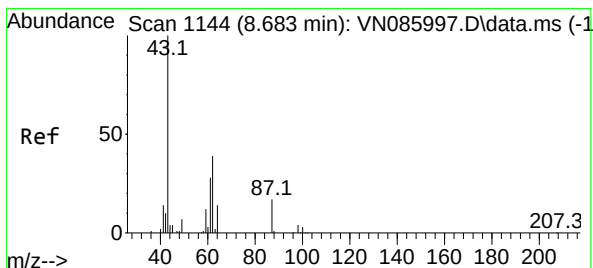
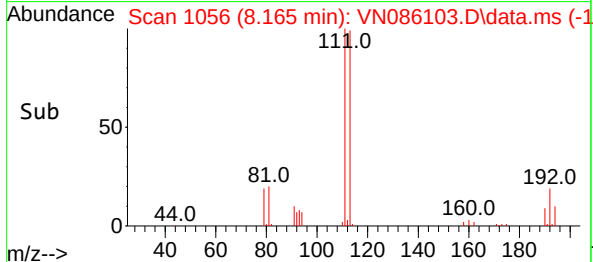
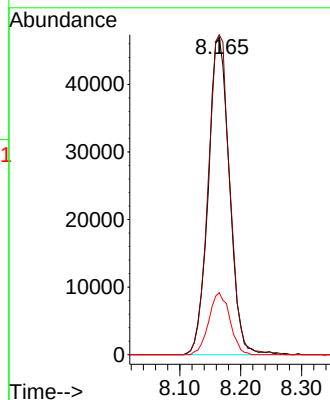
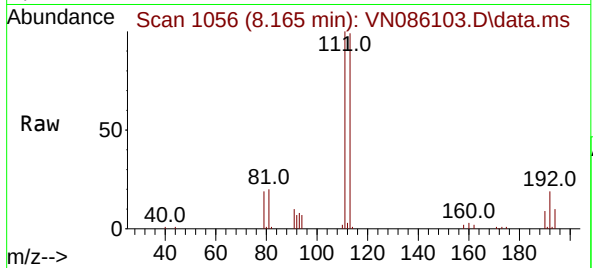




#35
Dibromofluoromethane
Concen: 49.614 ug/l
RT: 8.165 min Scan# 110
Delta R.T. -0.000 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

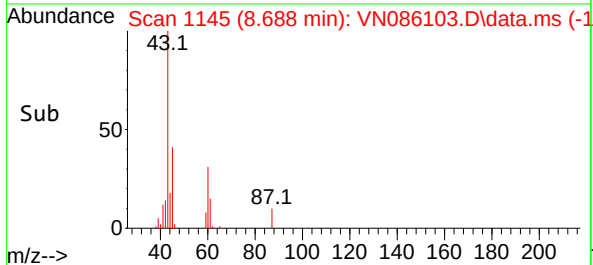
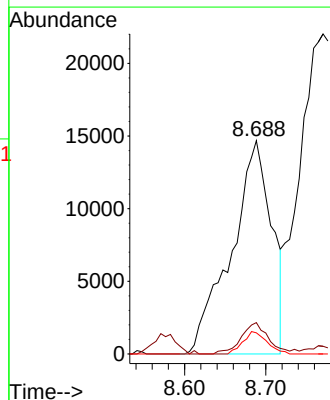
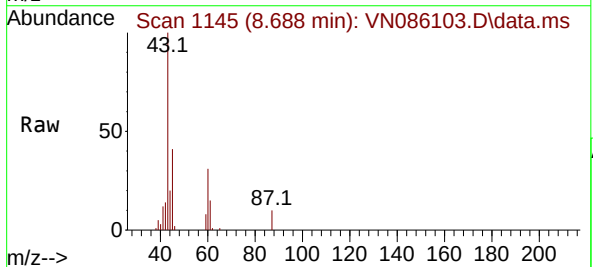
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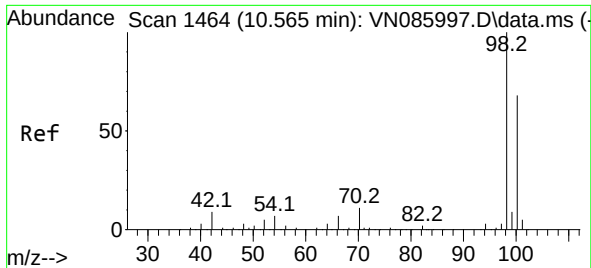
Tgt Ion:113 Resp: 113715
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.8
192 19.4 15.9 23.9



#43
Isopropyl Acetate
Concen: 9.214 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

Tgt Ion: 43 Resp: 50835
Ion Ratio Lower Upper
43 100
61 9.8 25.0 37.6#
87 6.2 13.0 19.4#

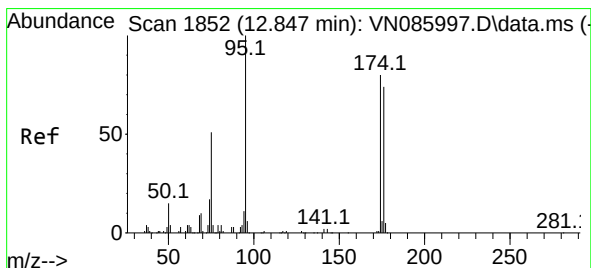
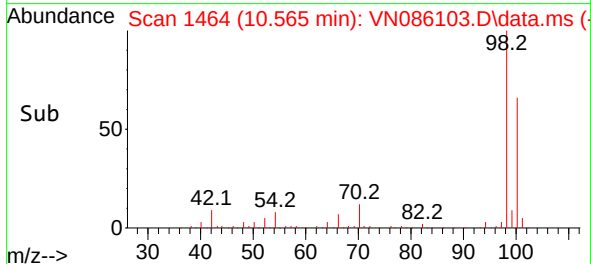
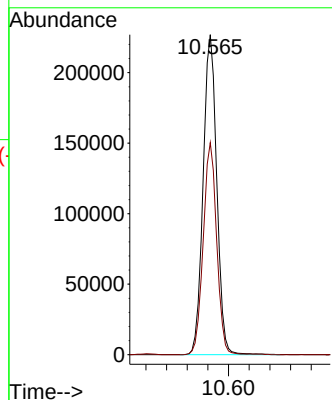
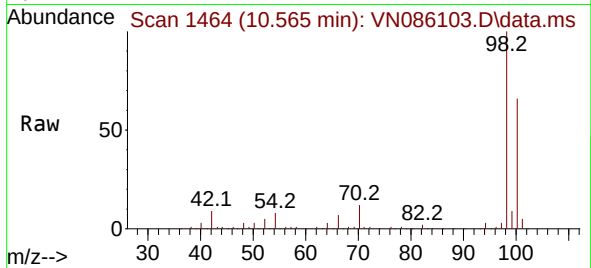




#50
Toluene-d8
Concen: 49.843 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

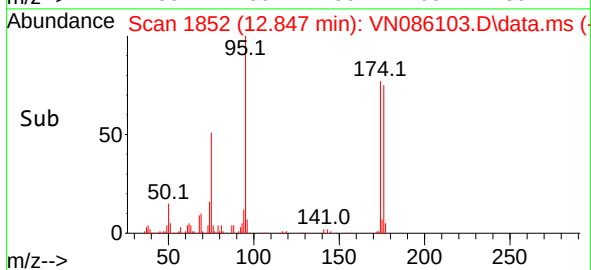
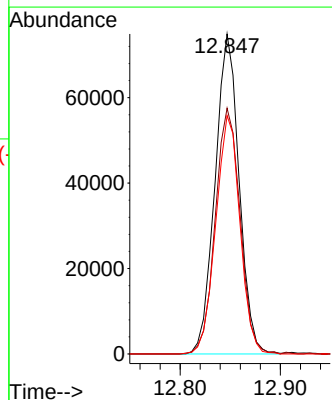
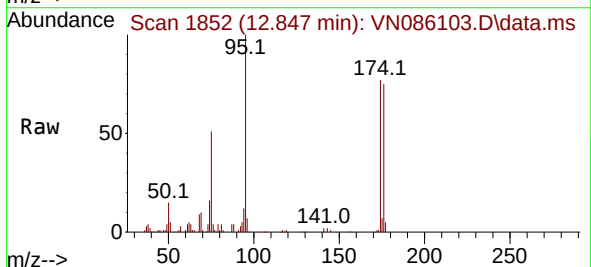
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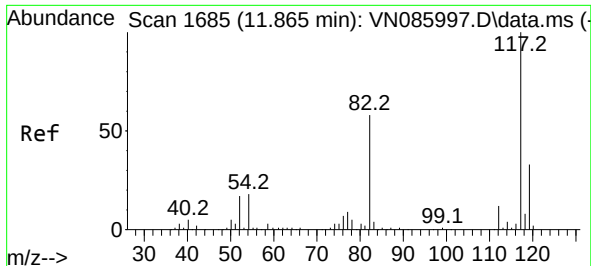
Tgt Ion: 98 Resp: 414613
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 42.073 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

Tgt Ion: 95 Resp: 124814
Ion Ratio Lower Upper
95 100
174 79.4 0.0 156.8
176 74.8 0.0 152.2

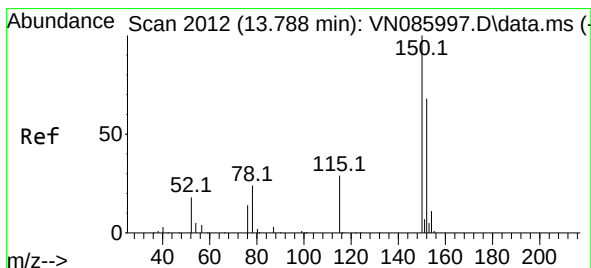
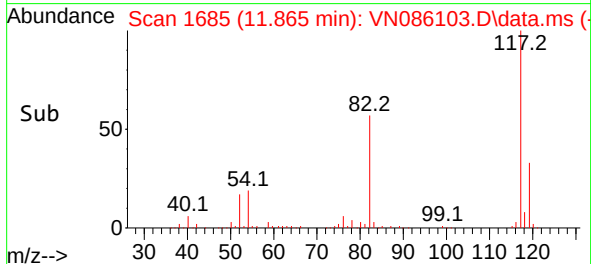
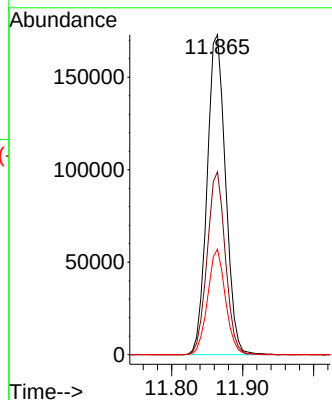
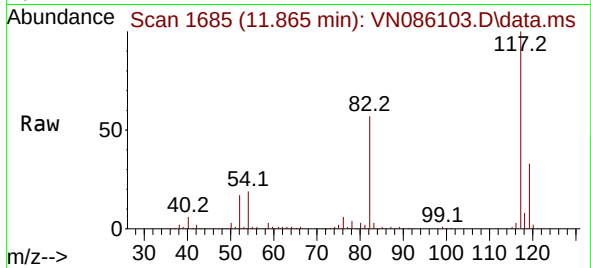




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086103.D
Acq: 25 Mar 2025 16:16

Instrument :
MSVOA_N
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PB167276ZHE#08

Tgt Ion:117 Resp: 312962
Ion Ratio Lower Upper
117 100
82 57.2 46.7 70.1
119 32.9 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: VN086103.D
Acq: 25 Mar 2025 16:16

Tgt Ion:152 Resp: 113167
Ion Ratio Lower Upper
152 100
115 60.8 31.1 93.2
150 161.2 0.0 359.6

