

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086976.D
 Acq On : 12 Jun 2025 14:45
 Operator : JC\MD
 Sample : Q2280-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RT-4643

Quant Time: Jun 13 01:28:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

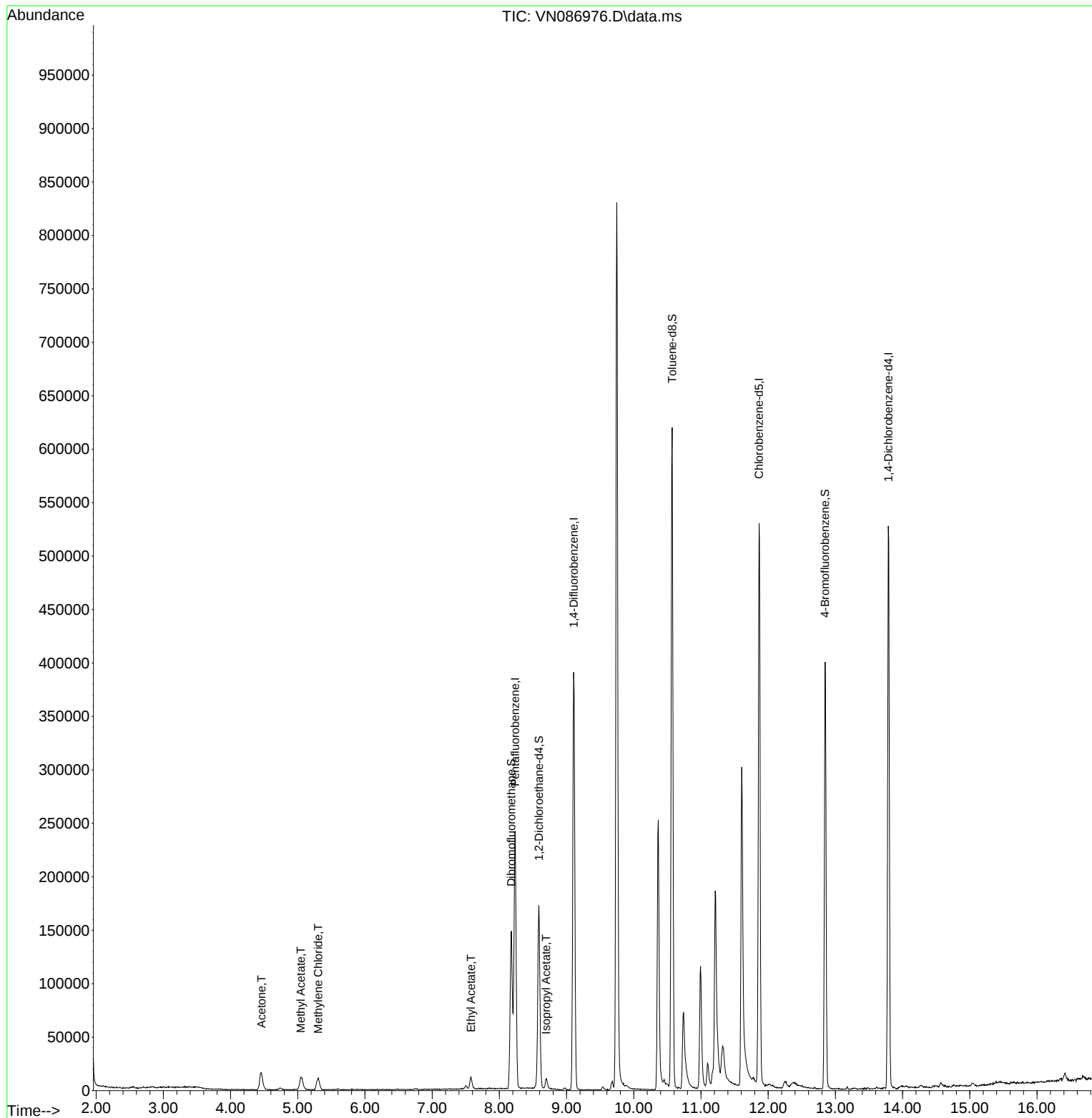
Internal Standards						
1) Pentafluorobenzene	8.235	168	187546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	366227	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	331625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	155104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	136177	54.231	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 108.460%		
35) Dibromofluoromethane	8.177	113	111986	51.598	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.200%		
50) Toluene-d8	10.571	98	451690	52.572	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 105.140%		
62) 4-Bromofluorobenzene	12.847	95	159349	49.920	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 99.840%		
Target Compounds						
					Qvalue	
16) Acetone	4.459	43	32636	24.508	ug/l	99
18) Methyl Acetate	5.047	43	27184	7.005	ug/l	100
20) Methylene Chloride	5.306	84	9389	3.766	ug/l	99
37) Ethyl Acetate	7.577	43	16833	4.089	ug/l	98
43) Isopropyl Acetate	8.694	43	11144	1.687	ug/l	93

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

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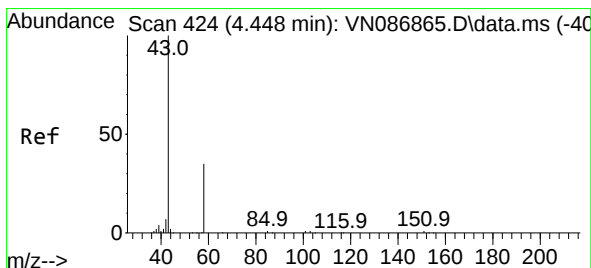
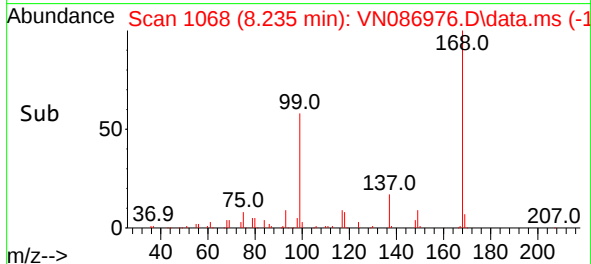
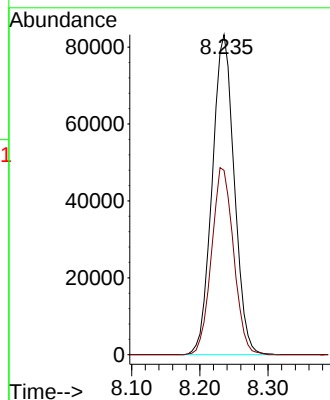
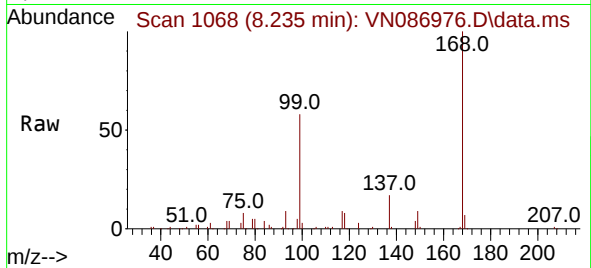




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN086976.D
Acq: 12 Jun 2025 14:45

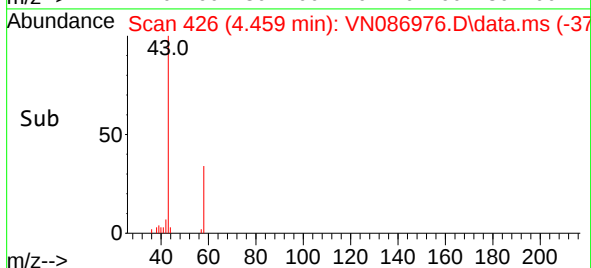
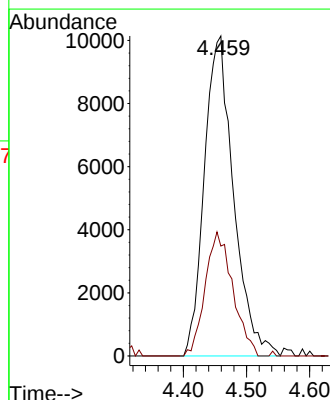
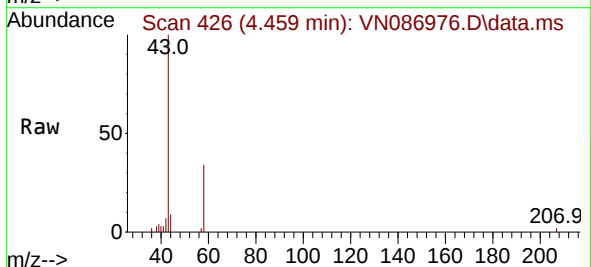
Instrument :
MSVOA_N
ClientSampleId :
RT-4643

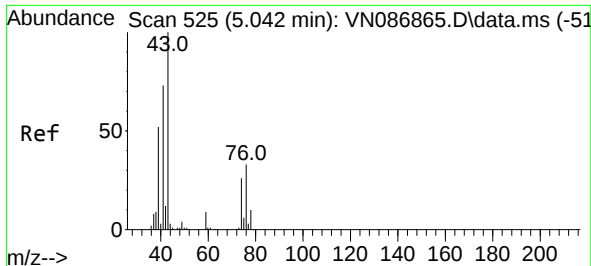
Tgt Ion:168 Resp: 187546
Ion Ratio Lower Upper
168 100
99 57.6 49.1 73.7



#16
Acetone
Concen: 24.508 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN086976.D
Acq: 12 Jun 2025 14:45

Tgt Ion: 43 Resp: 32636
Ion Ratio Lower Upper
43 100
58 34.4 28.0 42.0

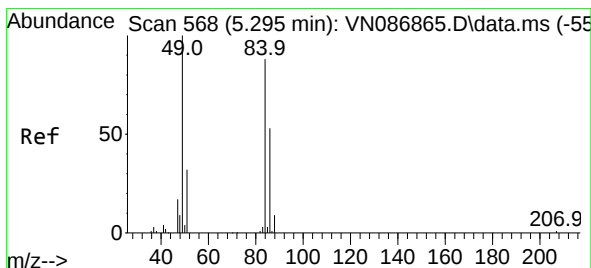
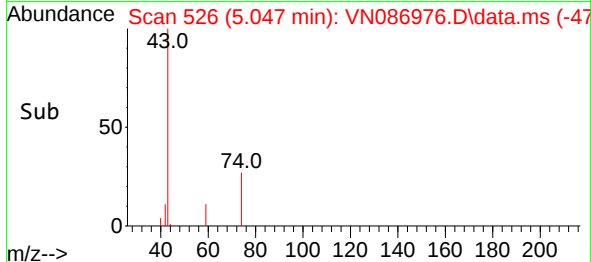
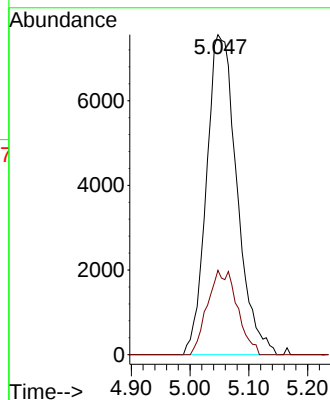
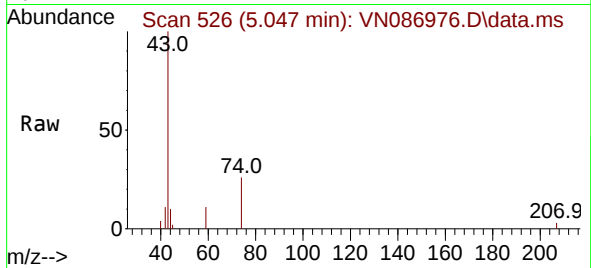




#18
Methyl Acetate
Concen: 7.005 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086976.D
Acq: 12 Jun 2025 14:45

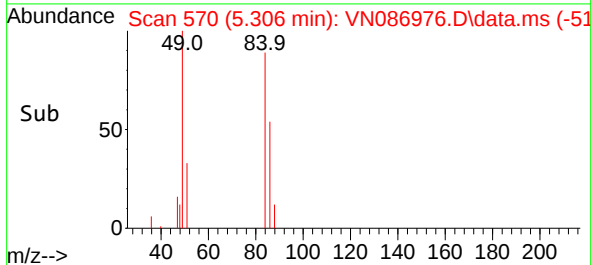
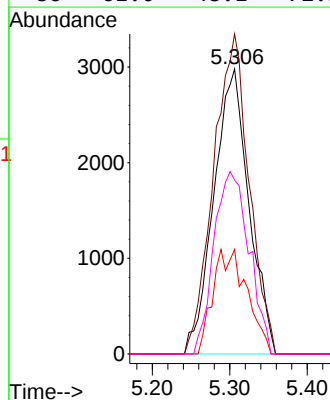
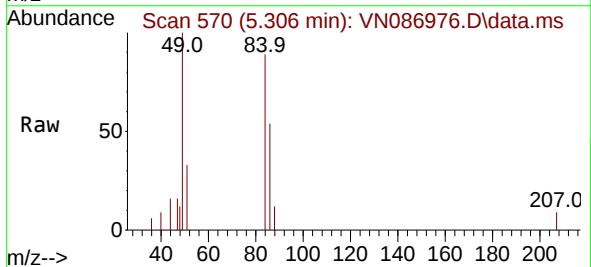
Instrument :
MSVOA_N
ClientSampleId :
RT-4643

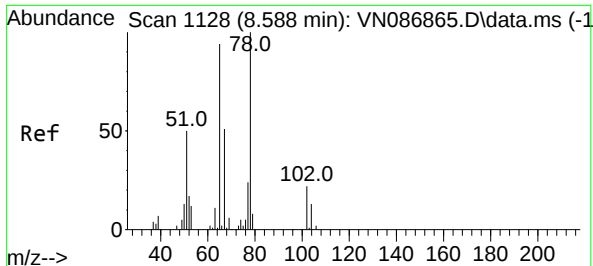
Tgt Ion: 43 Resp: 27184
Ion Ratio Lower Upper
43 100
74 25.8 20.7 31.1



#20
Methylene Chloride
Concen: 3.766 ug/l
RT: 5.306 min Scan# 570
Delta R.T. 0.012 min
Lab File: VN086976.D
Acq: 12 Jun 2025 14:45

Tgt Ion: 84 Resp: 9389
Ion Ratio Lower Upper
84 100
49 112.3 90.5 135.7
51 36.7 28.5 42.7
86 61.0 48.1 72.1





#33

1,2-Dichloroethane-d4

Concen: 54.231 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086976.D

Acq: 12 Jun 2025 14:45

Instrument :

MSVOA_N

ClientSampleId :

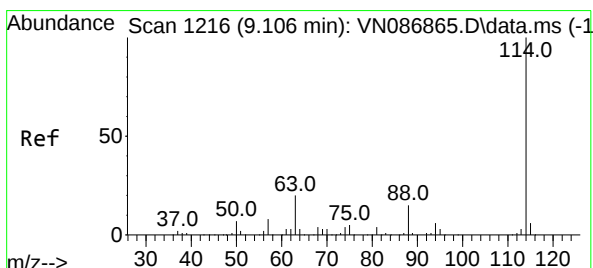
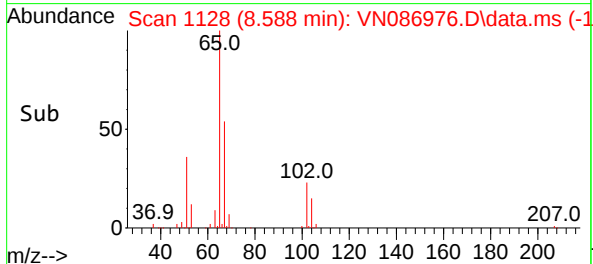
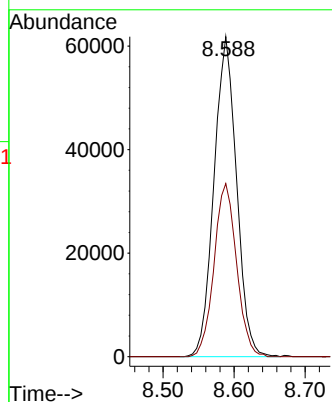
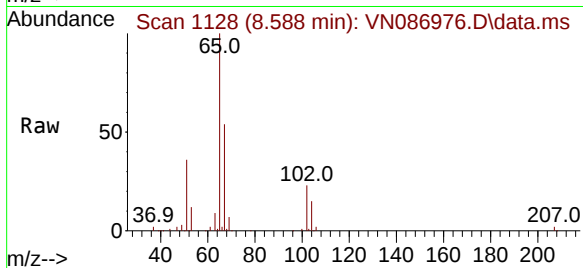
RT-4643

Tgt Ion: 65 Resp: 136177

Ion Ratio Lower Upper

65 100

67 54.0 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086976.D

Acq: 12 Jun 2025 14:45

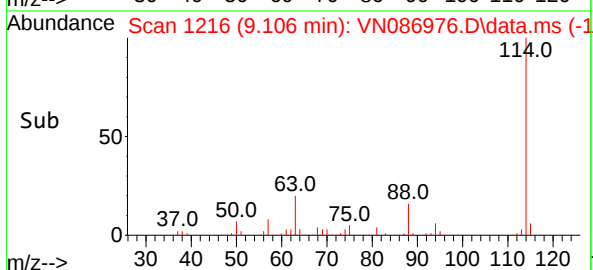
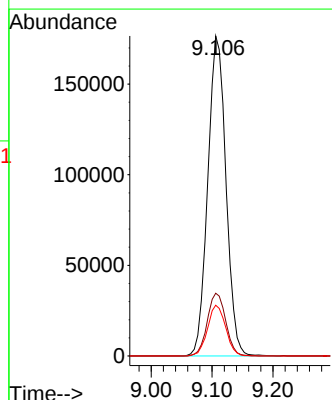
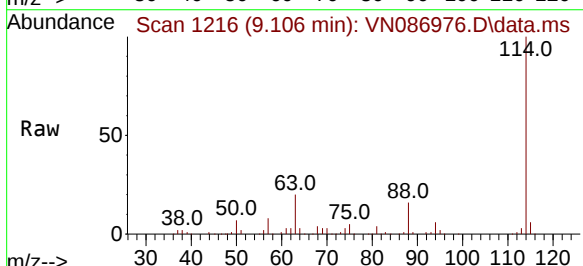
Tgt Ion: 114 Resp: 366227

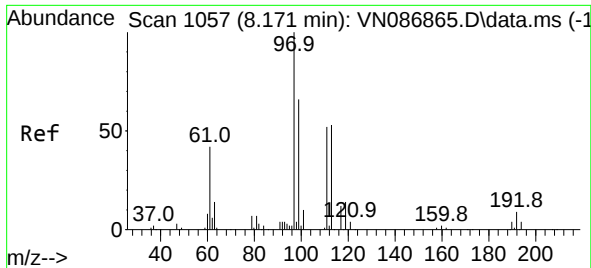
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 15.9 0.0 30.2

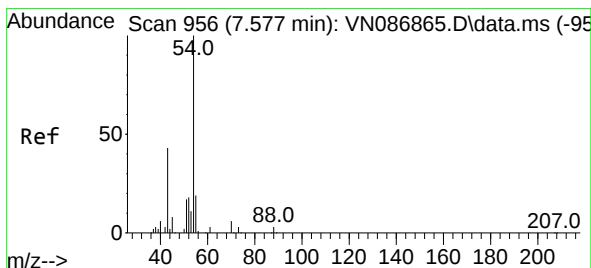
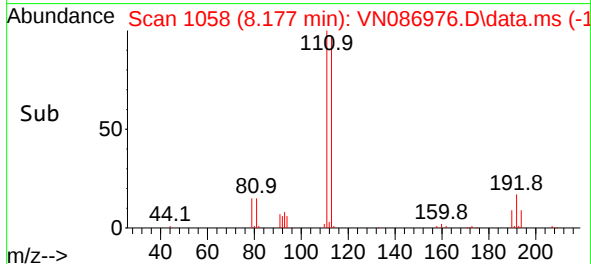
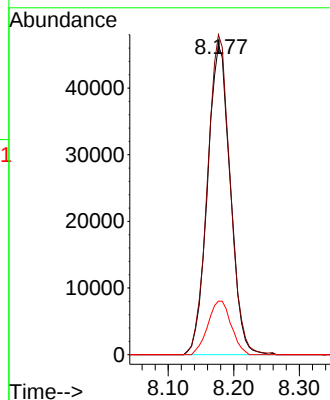
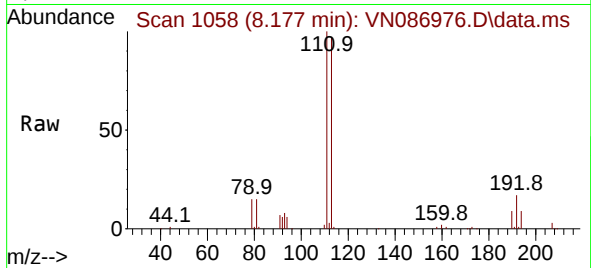




#35
Dibromofluoromethane
Concen: 51.598 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN086976.D
Acq: 12 Jun 2025 14:45

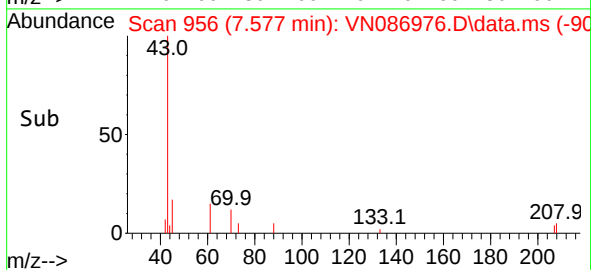
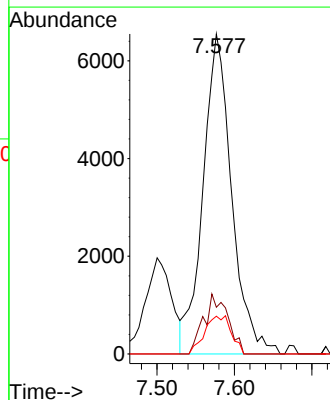
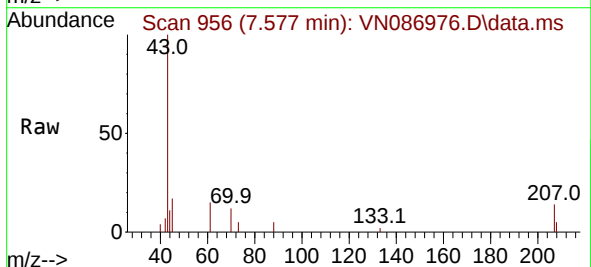
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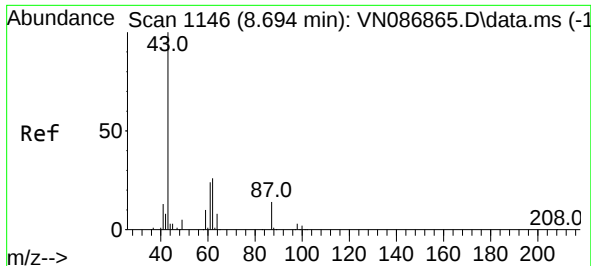
Tgt Ion:113 Resp: 111986
Ion Ratio Lower Upper
113 100
111 102.9 84.2 126.2
192 17.7 14.2 21.4



#37
Ethyl Acetate
Concen: 4.089 ug/l
RT: 7.577 min Scan# 956
Delta R.T. -0.000 min
Lab File: VN086976.D
Acq: 12 Jun 2025 14:45

Tgt Ion: 43 Resp: 16833
Ion Ratio Lower Upper
43 100
61 15.7 12.1 18.1
70 11.0 9.8 14.6

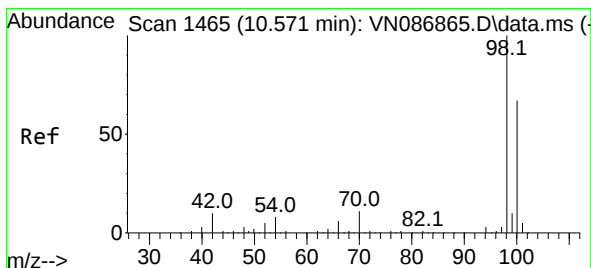
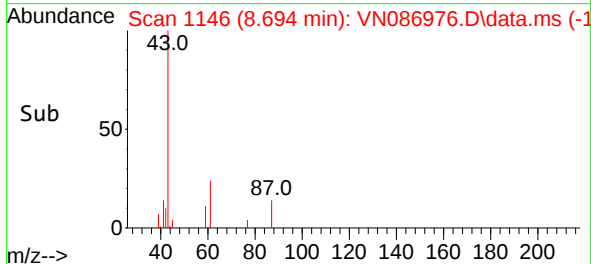
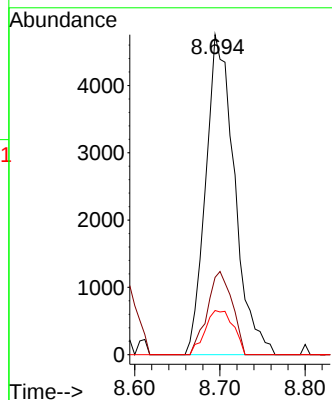
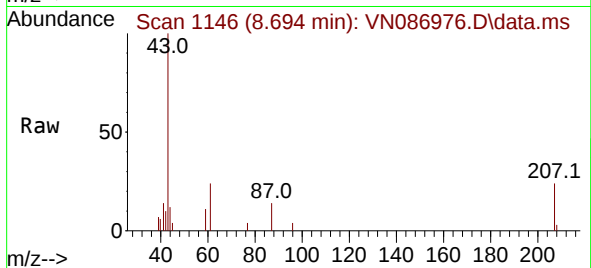




#43
Isopropyl Acetate
Concen: 1.687 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN086976.D
Acq: 12 Jun 2025 14:45

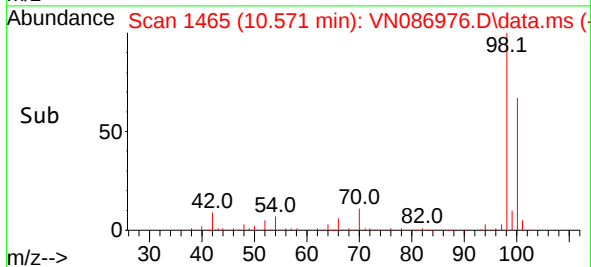
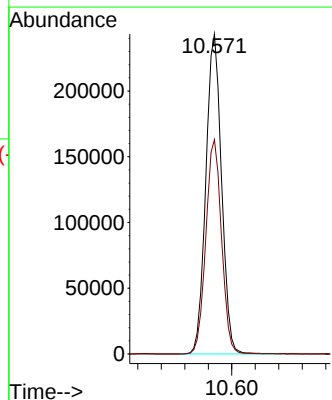
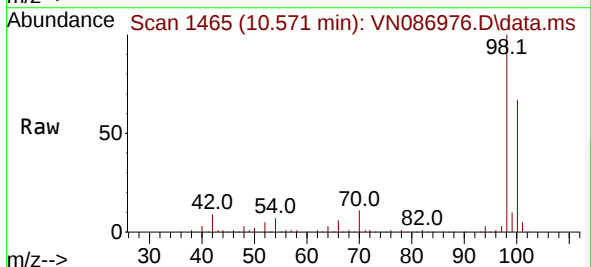
Instrument :
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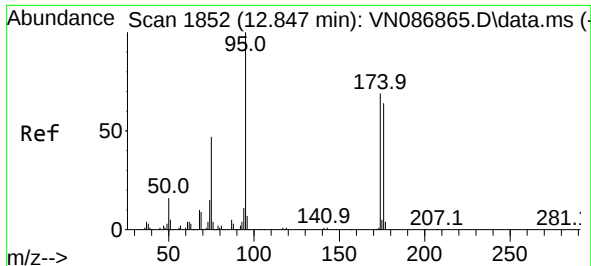
Tgt Ion: 43	Resp: 11144
Ion Ratio	Lower Upper
43 100	
61 22.6	22.1 33.1
87 13.6	11.8 17.6



#50
Toluene-d8
Concen: 52.572 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086976.D
Acq: 12 Jun 2025 14:45

Tgt Ion: 98	Resp: 451690
Ion Ratio	Lower Upper
98 100	
100 67.0	53.4 80.0

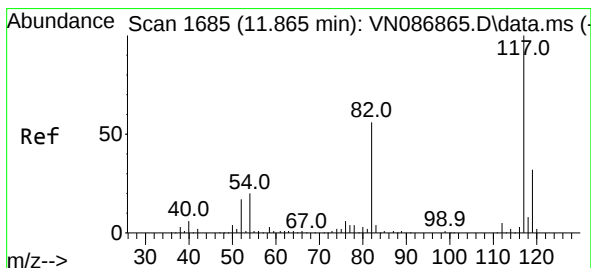
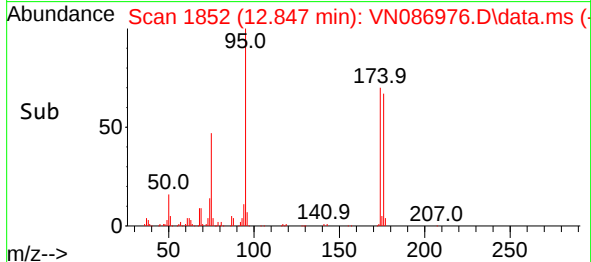
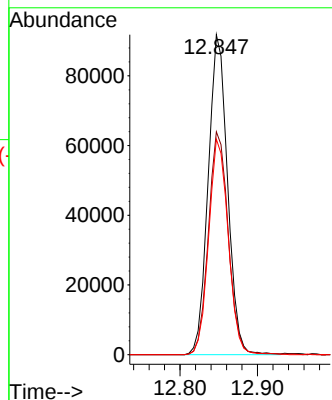
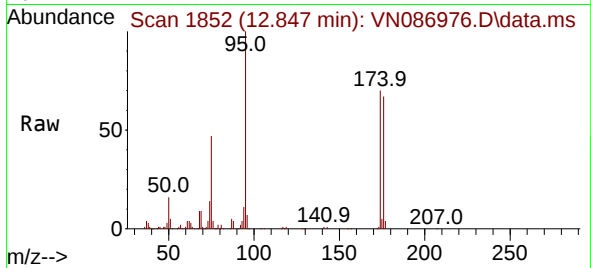




#62
4-Bromofluorobenzene
Concen: 49.920 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086976.D
Acq: 12 Jun 2025 14:45

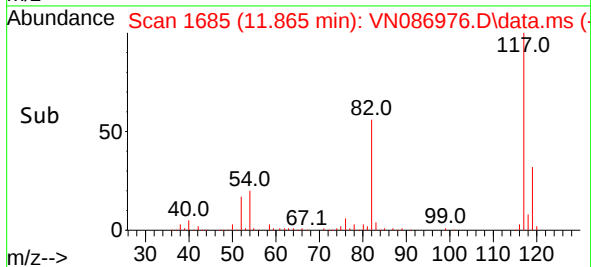
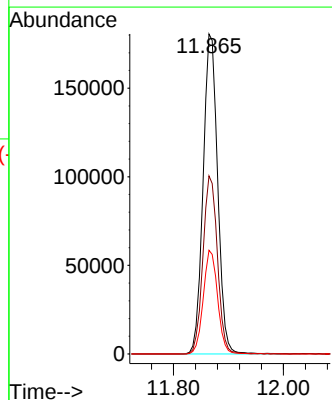
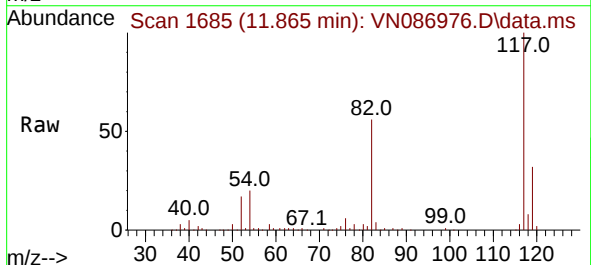
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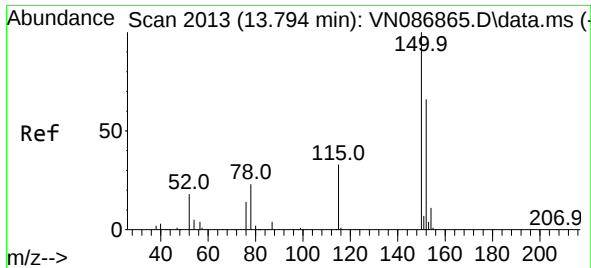
Tgt Ion: 95 Resp: 159349
Ion Ratio Lower Upper
95 100
174 71.6 0.0 141.8
176 68.0 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086976.D
Acq: 12 Jun 2025 14:45

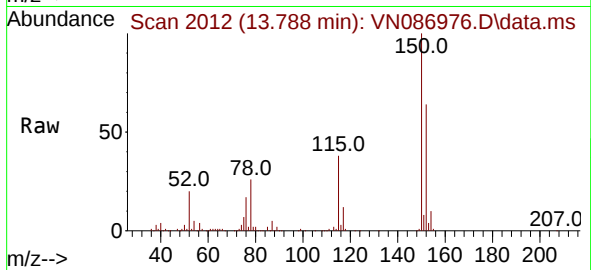
Tgt Ion: 117 Resp: 331625
Ion Ratio Lower Upper
117 100
82 55.6 44.6 67.0
119 32.4 25.5 38.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN086976.D
Acq: 12 Jun 2025 14:45

Instrument :
MSVOA_N
ClientSampleId :
RT-4643



Tgt Ion:	152	Resp:	155104
Ion	Ratio	Lower	Upper
152	100		
115	61.9	30.1	90.5
150	159.4	0.0	345.0

