

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070125\
 Data File : VN087257.D
 Acq On : 01 Jul 2025 13:01
 Operator : JC\MD
 Sample : Q2469-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

Quant Time: Jul 02 02:02:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

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

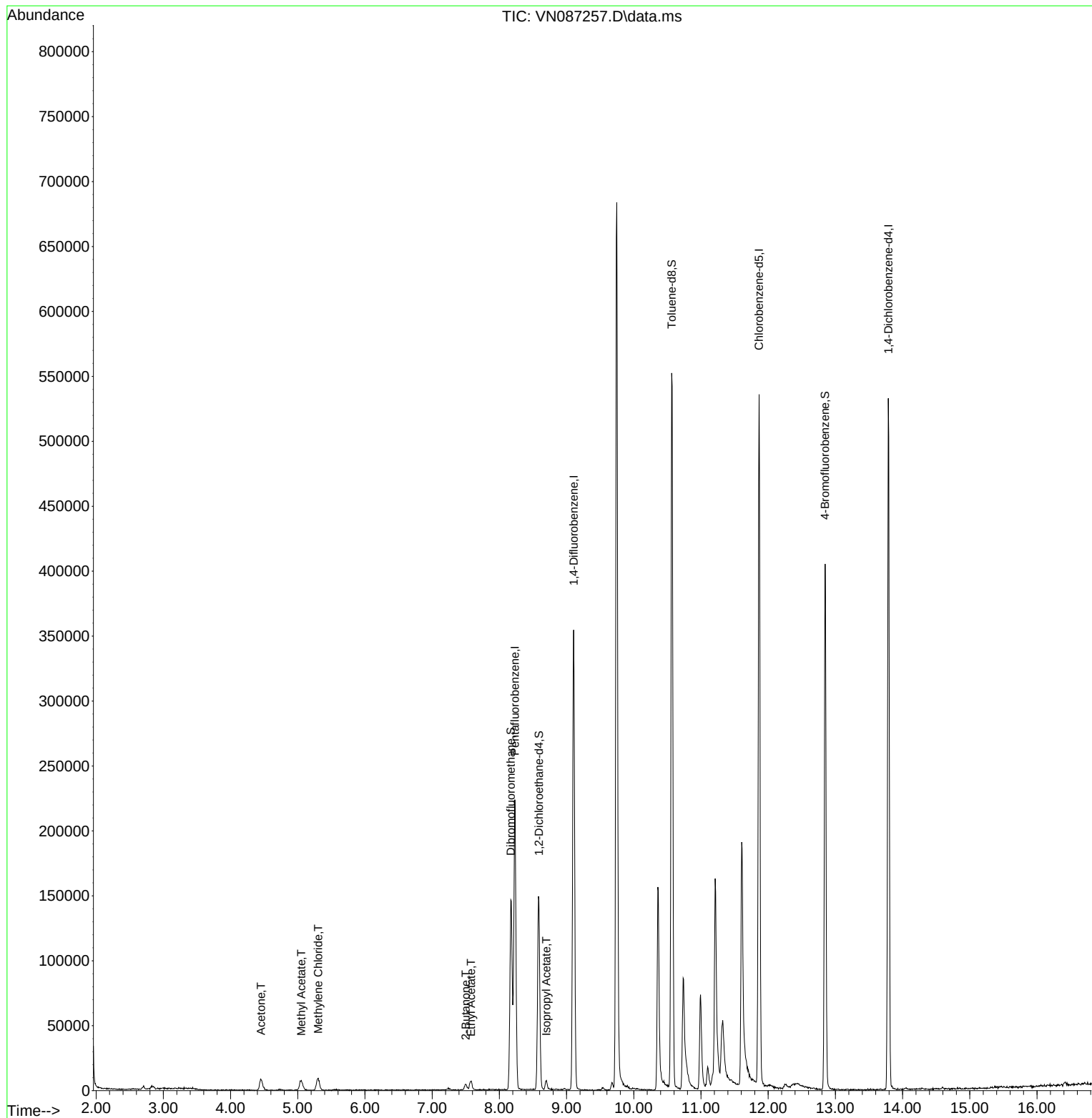
Internal Standards						
1) Pentafluorobenzene	8.229	168	169443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	328621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	323380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	153280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	125383	58.959	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.920%
35) Dibromofluoromethane	8.171	113	108904	51.756	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.520%
50) Toluene-d8	10.565	98	408962	49.863	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.720%
62) 4-Bromofluorobenzene	12.847	95	143379	49.132	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.260%
Target Compounds						
						Qvalue
16) Acetone	4.453	43	17757	21.840	ug/l	99
18) Methyl Acetate	5.053	43	15855	8.518	ug/l	98
20) Methylene Chloride	5.306	84	8449	4.691	ug/l	95
25) 2-Butanone	7.500	43	7778	6.122	ug/l	94
37) Ethyl Acetate	7.577	43	10923	3.551	ug/l	98
43) Isopropyl Acetate	8.700	43	6890	1.444	ug/l #	90

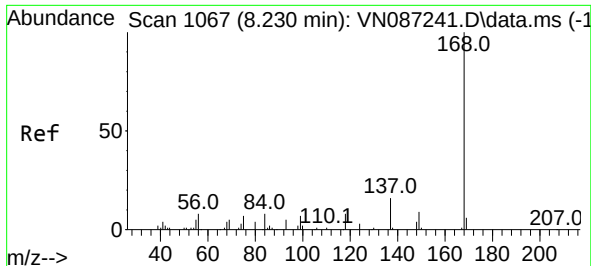
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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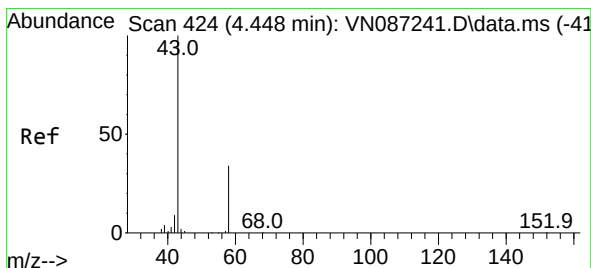
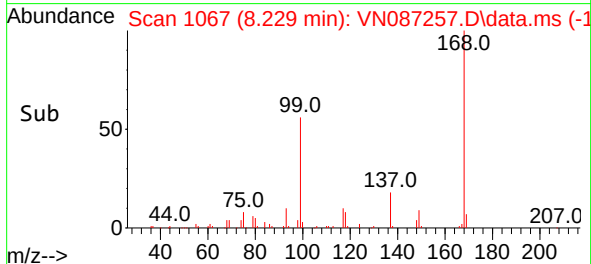
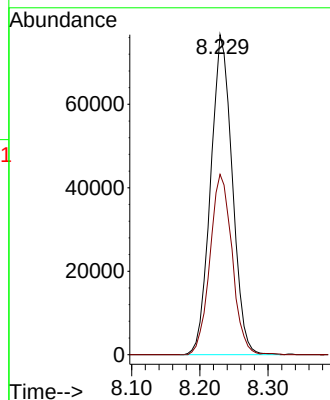
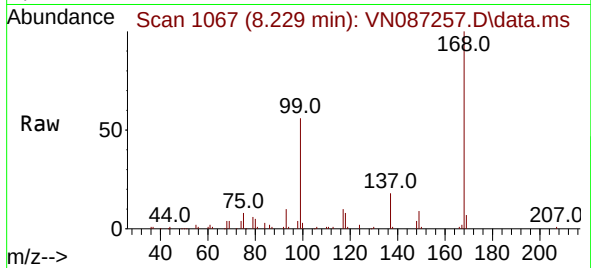




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

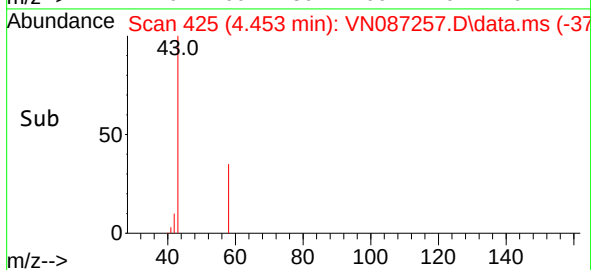
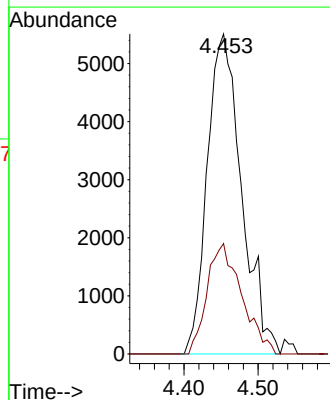
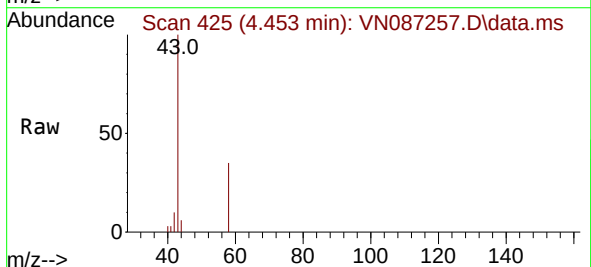
Instrument :
MSVOA_N
ClientSampleId :
WC-1

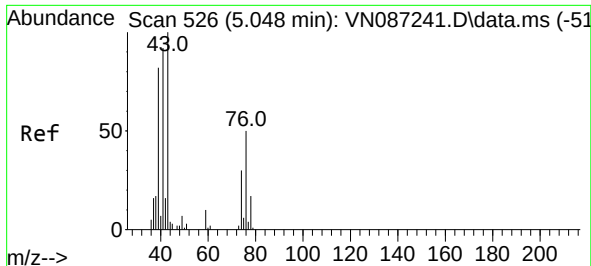
Tgt Ion:168 Resp: 169443
Ion Ratio Lower Upper
168 100
99 56.4 42.6 64.0



#16
Acetone
Concen: 21.840 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

Tgt Ion: 43 Resp: 17757
Ion Ratio Lower Upper
43 100
58 34.5 27.1 40.7

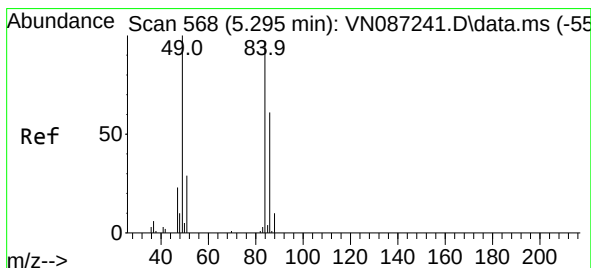
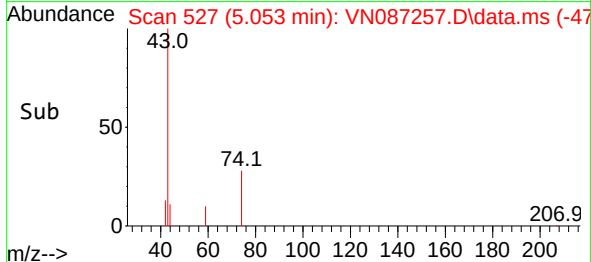
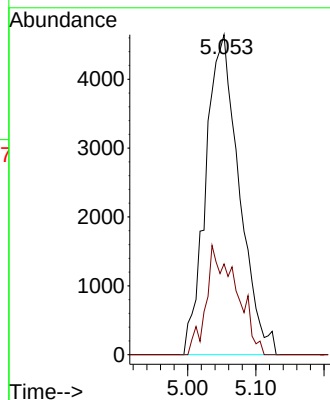
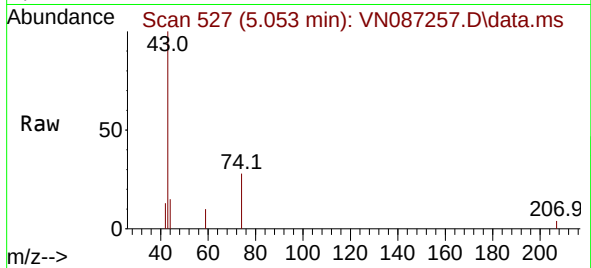




#18
Methyl Acetate
Concen: 8.518 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

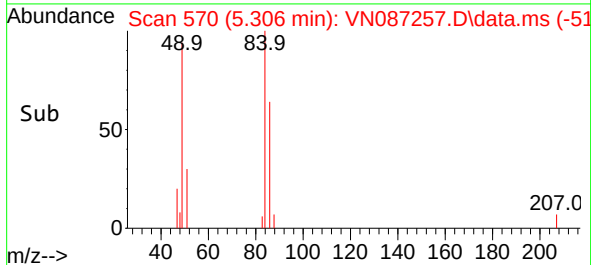
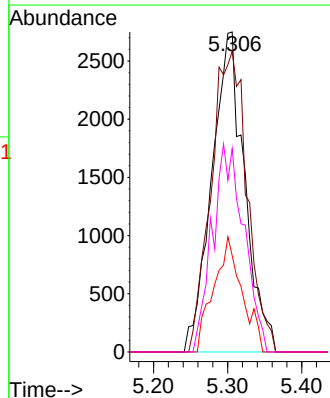
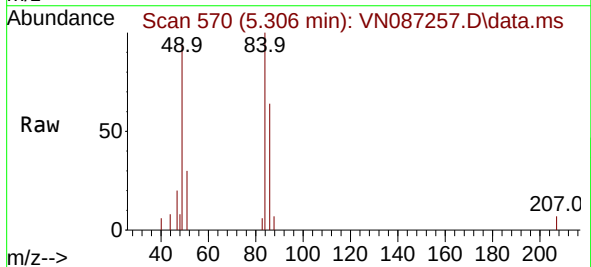
Instrument :
MSVOA_N
ClientSampleId :
WC-1

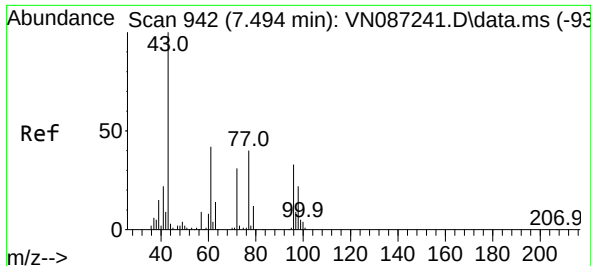
Tgt Ion: 43 Resp: 15855
Ion Ratio Lower Upper
43 100
74 31.0 23.8 35.6



#20
Methylene Chloride
Concen: 4.691 ug/l
RT: 5.306 min Scan# 570
Delta R.T. 0.012 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

Tgt Ion: 84 Resp: 8449
Ion Ratio Lower Upper
84 100
49 94.0 82.1 123.1
51 30.1 23.5 35.3
86 63.5 49.7 74.5

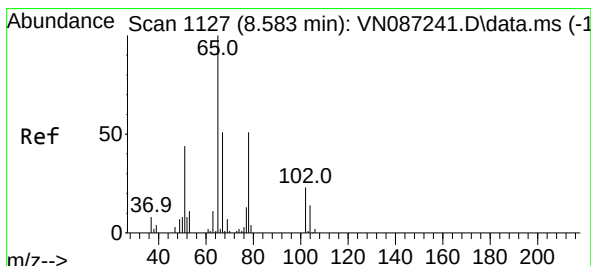
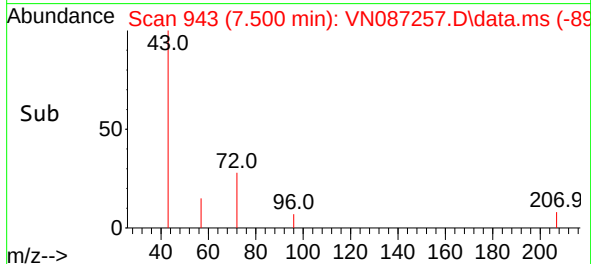
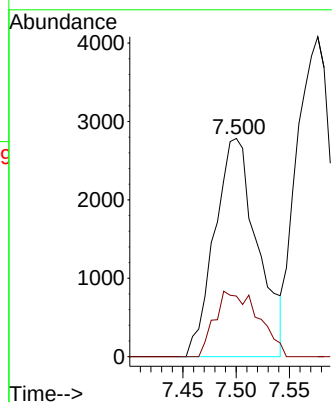
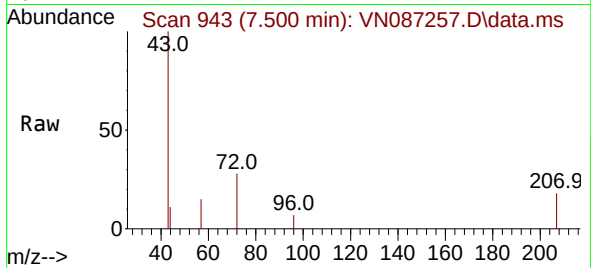




#25
2-Butanone
Concen: 6.122 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

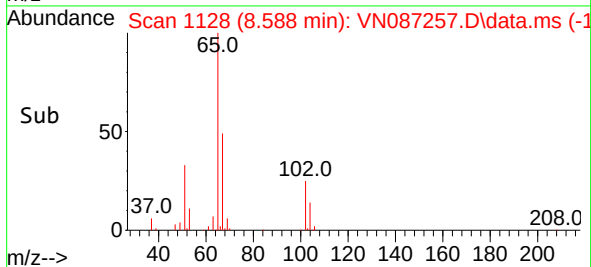
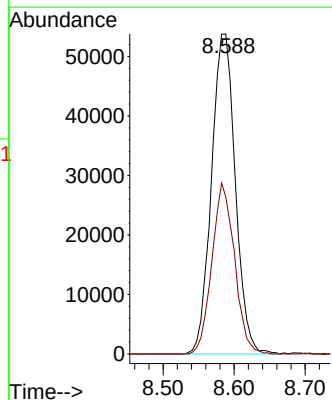
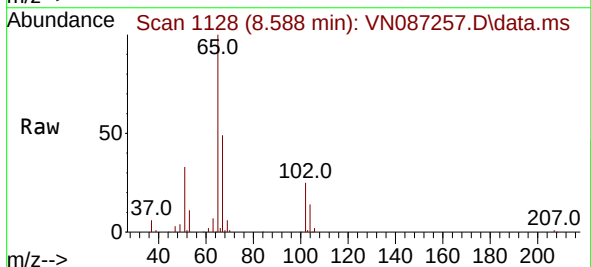
Instrument :
MSVOA_N
ClientSampleId :
WC-1

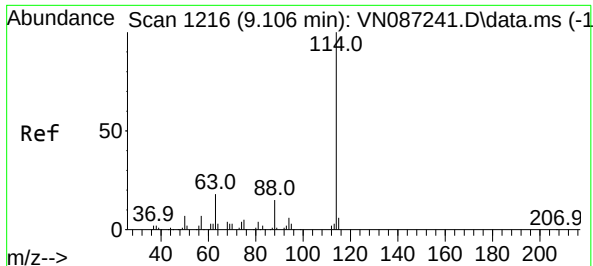
Tgt Ion: 43 Resp: 7778
Ion Ratio Lower Upper
43 100
72 27.8 24.8 37.2



#33
1,2-Dichloroethane-d4
Concen: 58.959 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

Tgt Ion: 65 Resp: 125383
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.6

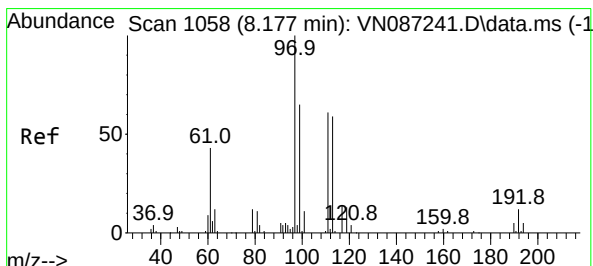
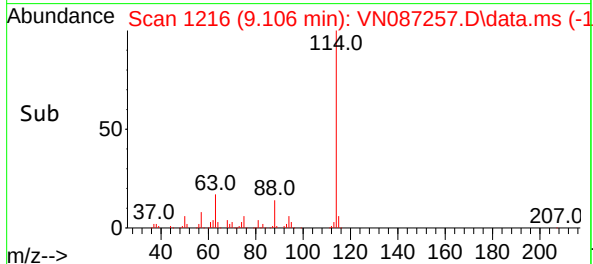
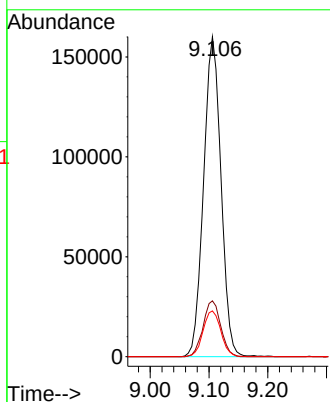
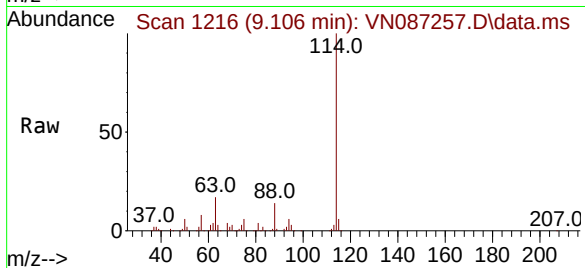




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

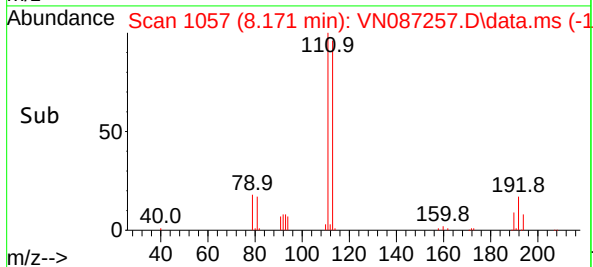
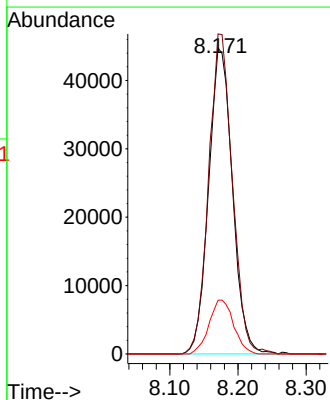
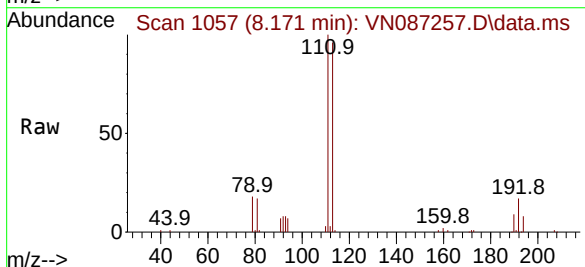
Instrument :
MSVOA_N
ClientSampleId :
WC-1

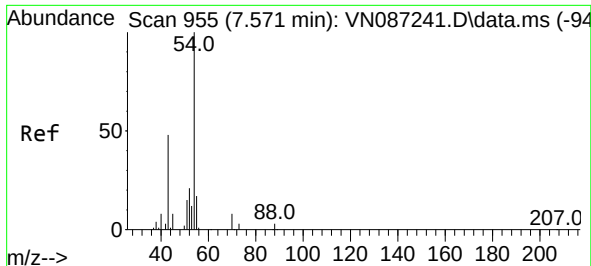
Tgt Ion:114 Resp: 328621
Ion Ratio Lower Upper
114 100
63 17.4 0.0 36.6
88 14.3 0.0 29.6



#35
Dibromofluoromethane
Concen: 51.756 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

Tgt Ion:113 Resp: 108904
Ion Ratio Lower Upper
113 100
111 104.0 81.4 122.2
192 18.2 15.1 22.7

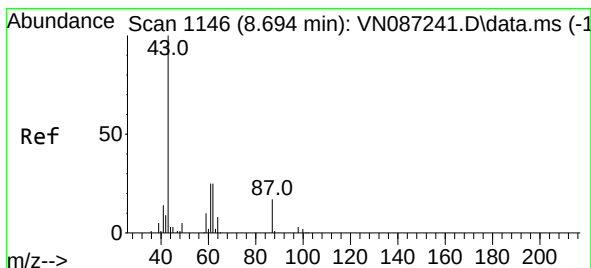
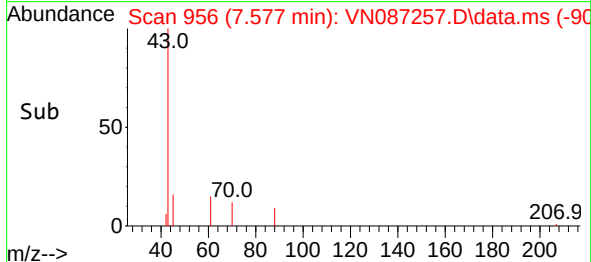
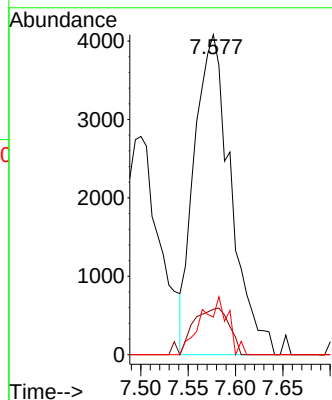
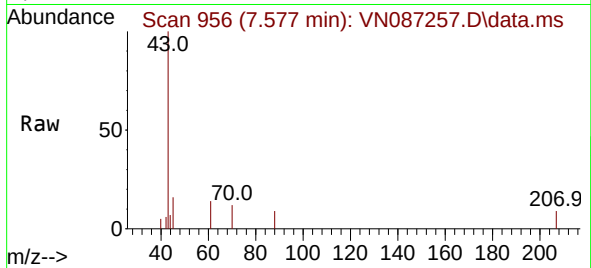




#37
Ethyl Acetate
Concen: 3.551 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

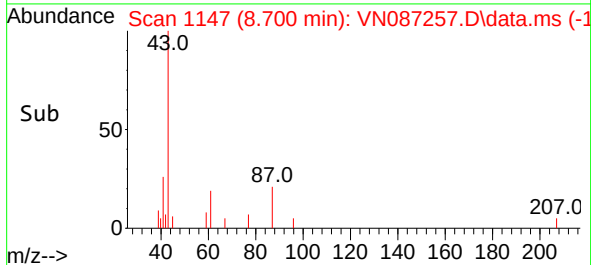
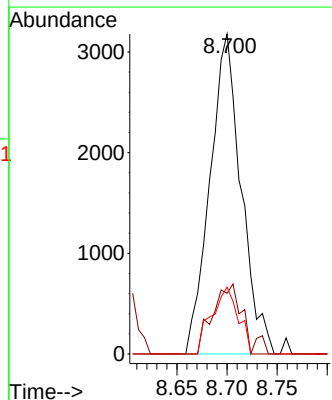
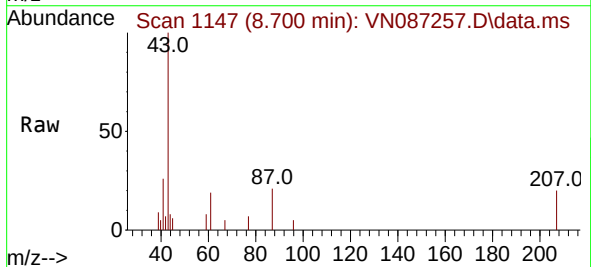
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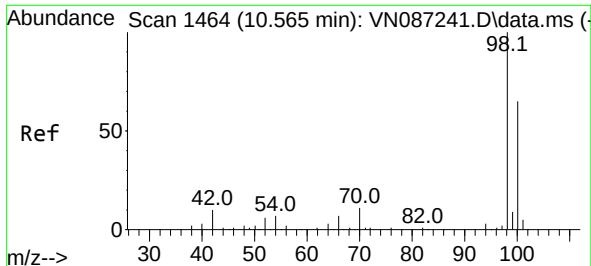
Tgt Ion: 43 Resp: 10923
Ion Ratio Lower Upper
43 100
61 14.7 11.3 16.9
70 13.4 9.9 14.9



#43
Isopropyl Acetate
Concen: 1.444 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

Tgt Ion: 43 Resp: 6890
Ion Ratio Lower Upper
43 100
61 21.4 22.4 33.6#
87 17.8 12.8 19.2

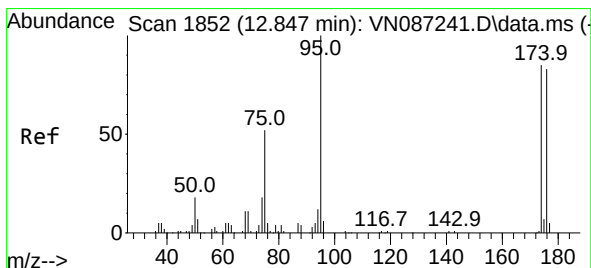
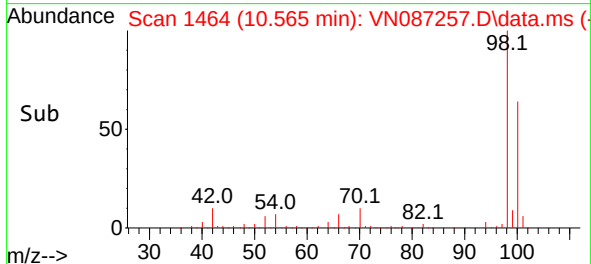
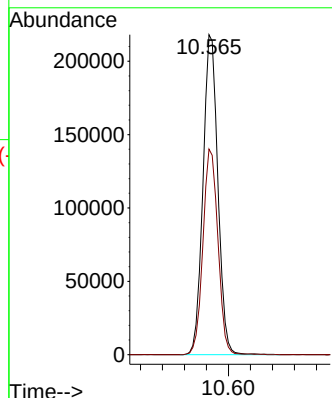
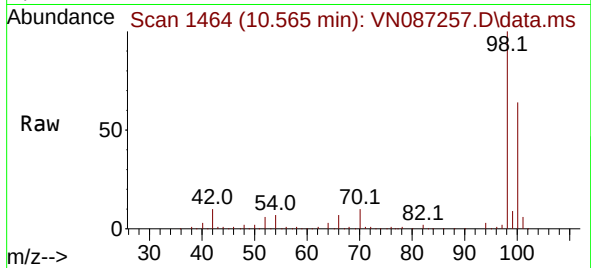




#50
Toluene-d8
Concen: 49.863 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

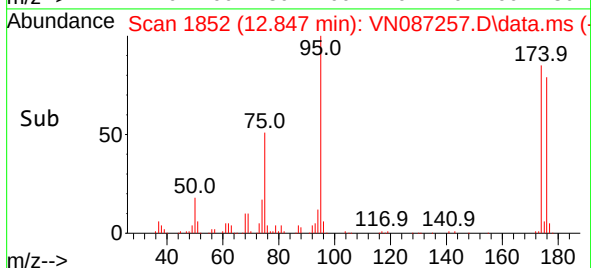
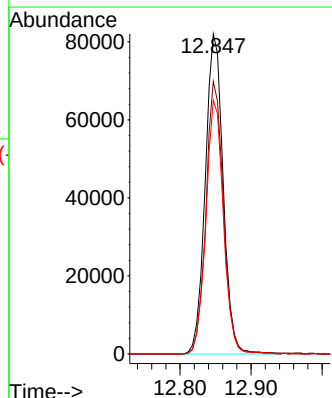
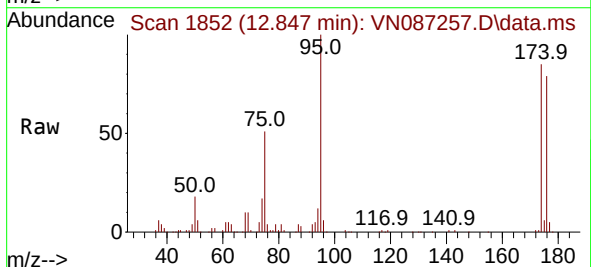
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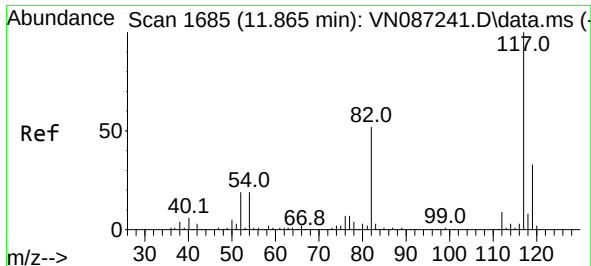
Tgt Ion: 98 Resp: 408962
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 49.132 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

Tgt Ion: 95 Resp: 143379
Ion Ratio Lower Upper
95 100
174 83.6 0.0 169.6
176 77.9 0.0 161.6

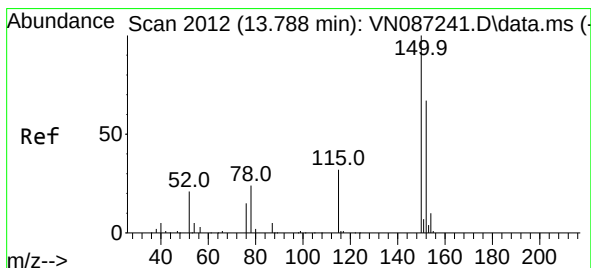
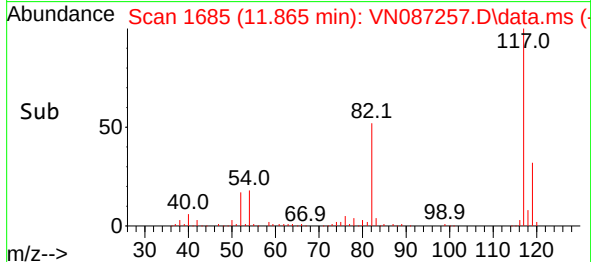
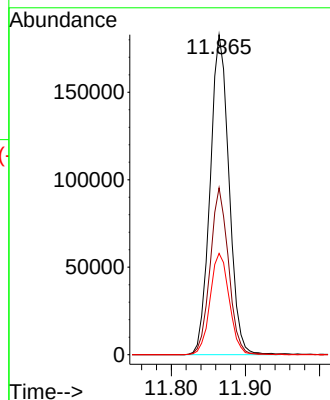
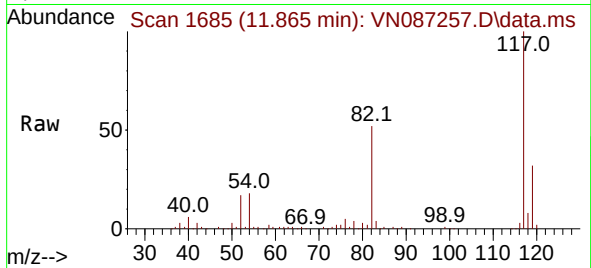




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

Instrument :
MSVOA_N
ClientSampleId :
WC-1

Tgt Ion:117 Resp: 323380
Ion Ratio Lower Upper
117 100
82 52.1 41.9 62.9
119 31.7 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

Tgt Ion:152 Resp: 153280
Ion Ratio Lower Upper
152 100
115 57.8 28.3 84.9
150 158.8 0.0 344.6

