

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087278.D
 Acq On : 03 Jul 2025 17:35
 Operator : JC\MD
 Sample : Q2487-19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G3(9)

Quant Time: Jul 04 01:35:40 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)

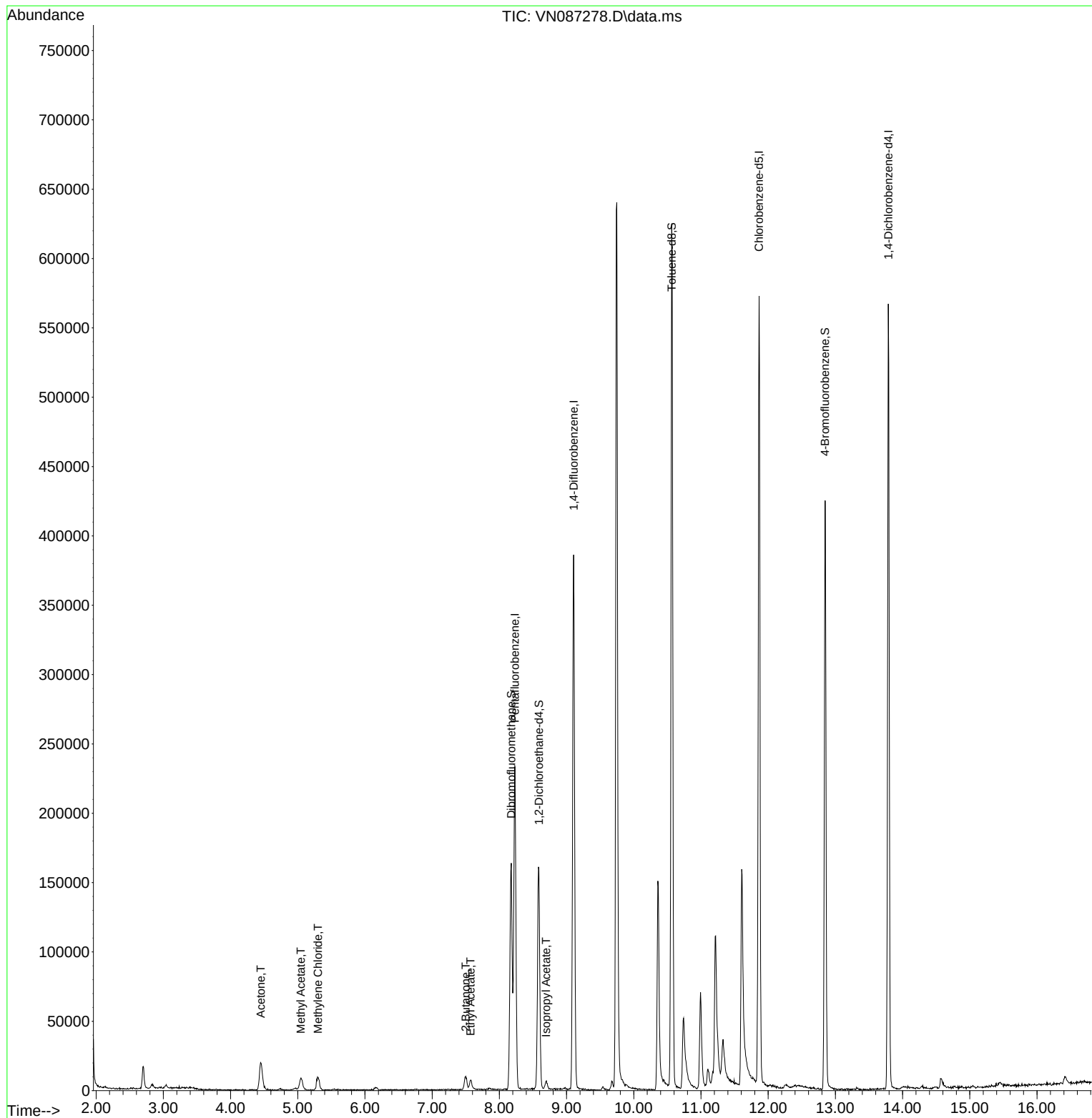
Internal Standards						
1) Pentafluorobenzene	8.230	168	180750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	348767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	343098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	162048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	135831	59.877	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 119.760%		
35) Dibromofluoromethane	8.177	113	119454	53.491	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.980%		
50) Toluene-d8	10.565	98	446088	51.248	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 102.500%		
62) 4-Bromofluorobenzene	12.847	95	150843	48.704	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 97.400%		
Target Compounds						
						Qvalue
16) Acetone	4.448	43	40505	46.703	ug/l	98
18) Methyl Acetate	5.048	43	17746	8.938	ug/l	98
20) Methylene Chloride	5.300	84	8601	4.477	ug/l	92
25) 2-Butanone	7.500	43	16035	11.831	ug/l	98
37) Ethyl Acetate	7.571	43	11732	3.594	ug/l	99
43) Isopropyl Acetate	8.694	43	7260	1.434	ug/l	96

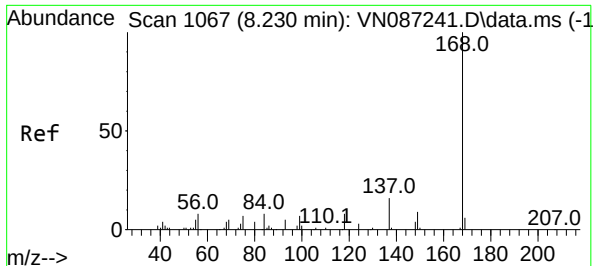
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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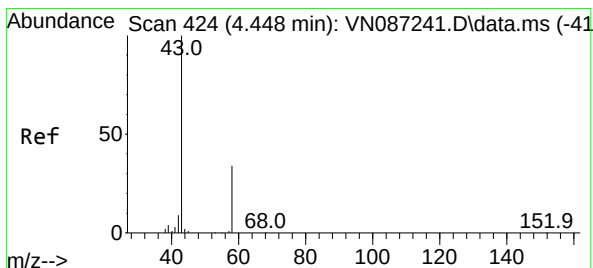
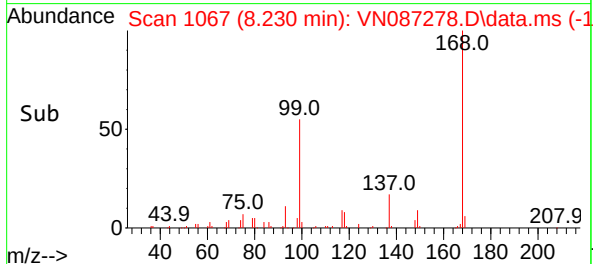
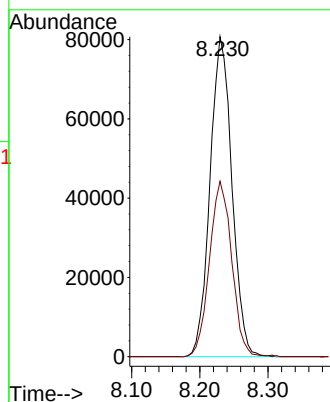
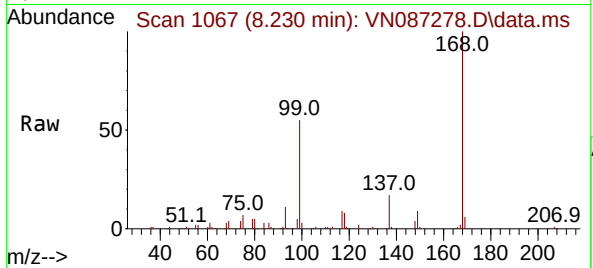




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

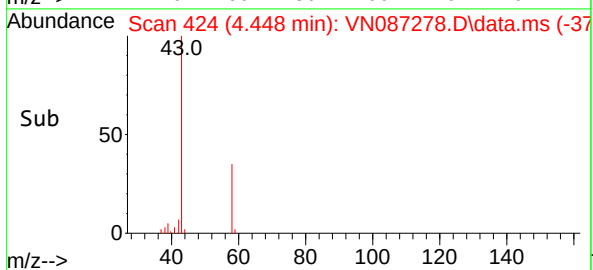
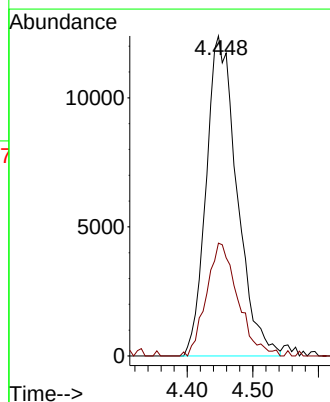
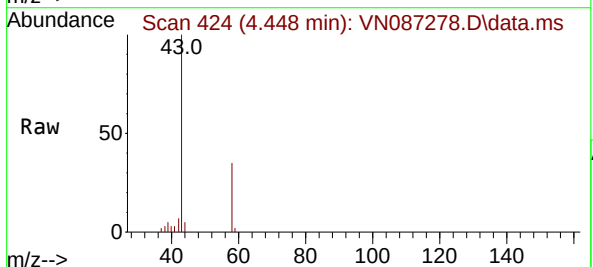
Instrument :
MSVOA_N
ClientSampleId :
G3(9)

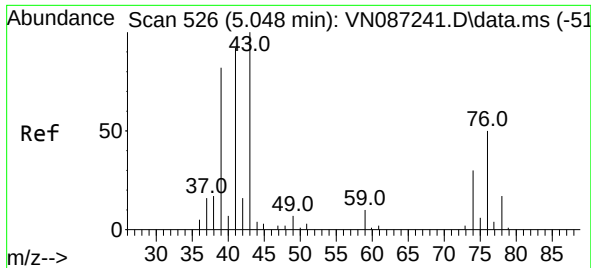
Tgt Ion:168 Resp: 180750
Ion Ratio Lower Upper
168 100
99 54.8 42.6 64.0



#16
Acetone
Concen: 46.703 ug/l
RT: 4.448 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

Tgt Ion: 43 Resp: 40505
Ion Ratio Lower Upper
43 100
58 35.2 27.1 40.7

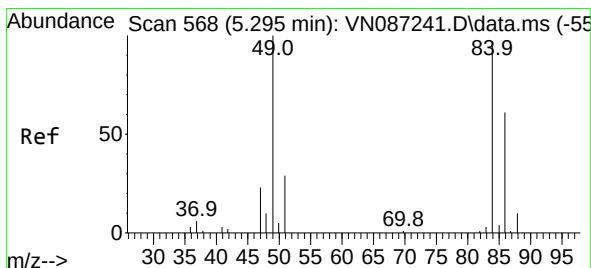
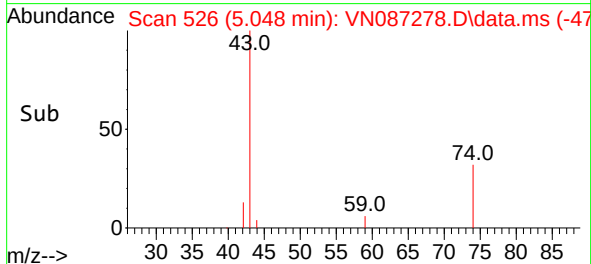
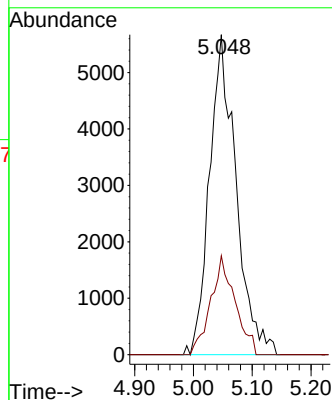
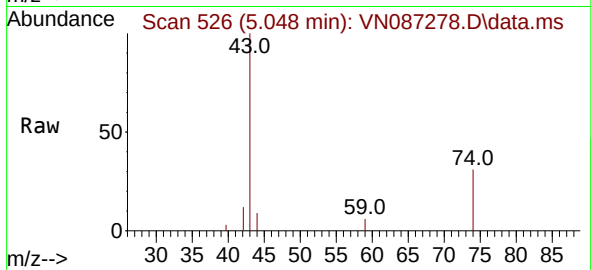




#18
Methyl Acetate
Concen: 8.938 ug/l
RT: 5.048 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

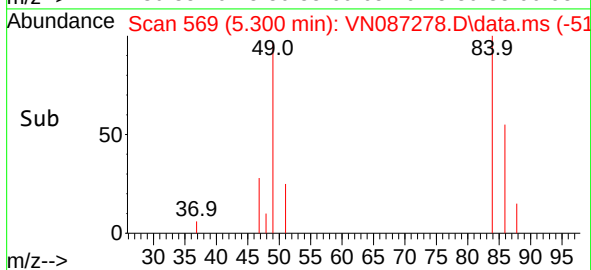
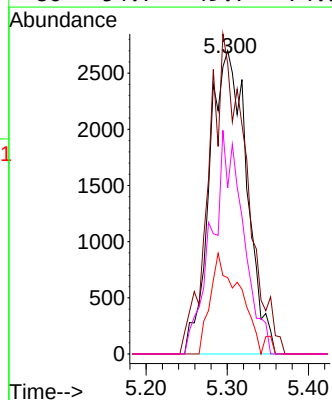
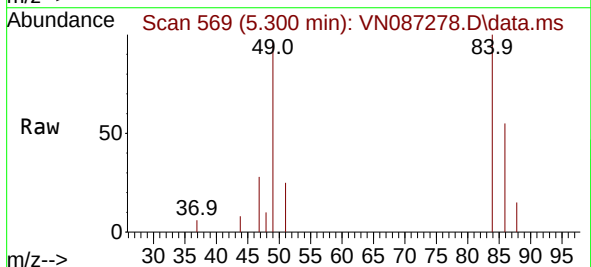
Instrument :
MSVOA_N
ClientSampleId :
G3(9)

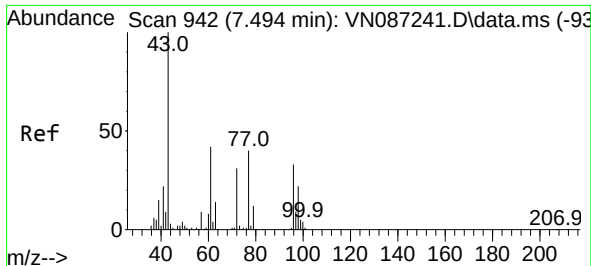
Tgt Ion: 43 Resp: 17746
Ion Ratio Lower Upper
43 100
74 28.4 23.8 35.6



#20
Methylene Chloride
Concen: 4.477 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

Tgt Ion: 84 Resp: 8601
Ion Ratio Lower Upper
84 100
49 95.7 82.1 123.1
51 25.2 23.5 35.3
86 54.7 49.7 74.5

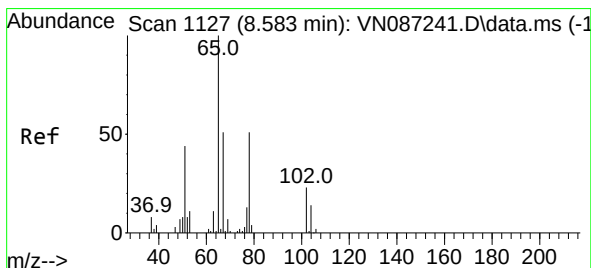
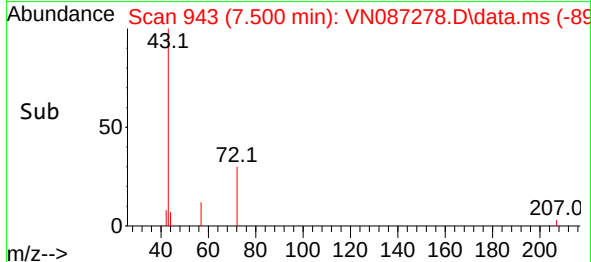
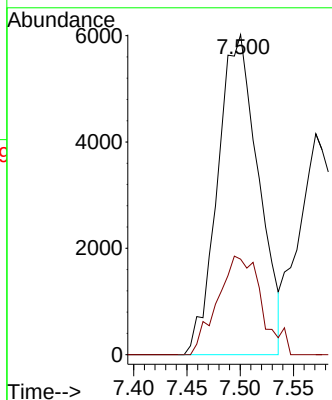
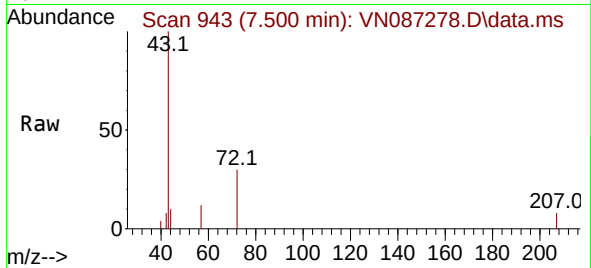




#25
2-Butanone
Concen: 11.831 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

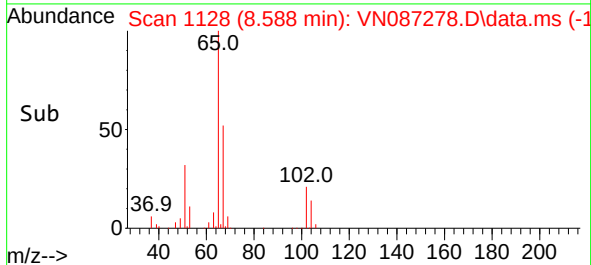
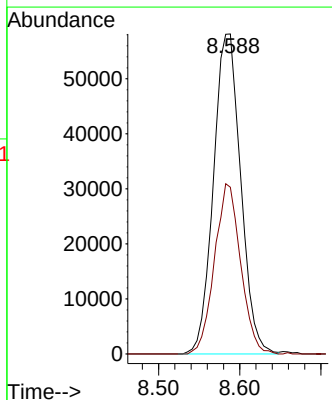
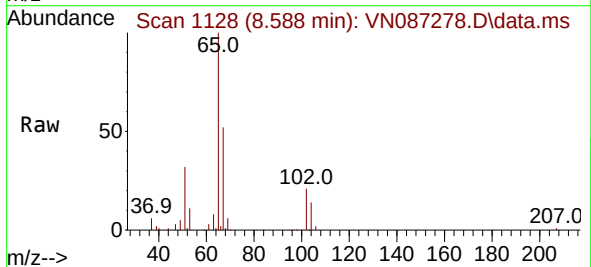
Instrument :
MSVOA_N
ClientSampleId :
G3(9)

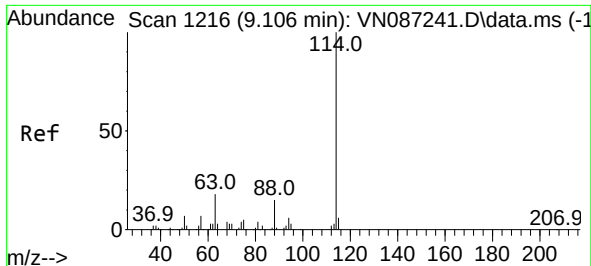
Tgt Ion: 43 Resp: 16035
Ion Ratio Lower Upper
43 100
72 29.8 24.8 37.2



#33
1,2-Dichloroethane-d4
Concen: 59.877 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

Tgt Ion: 65 Resp: 135831
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087278.D

Acq: 03 Jul 2025 17:35

Instrument :

MSVOA_N

ClientSampleId :

G3(9)

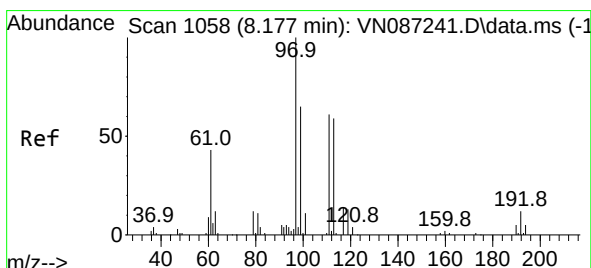
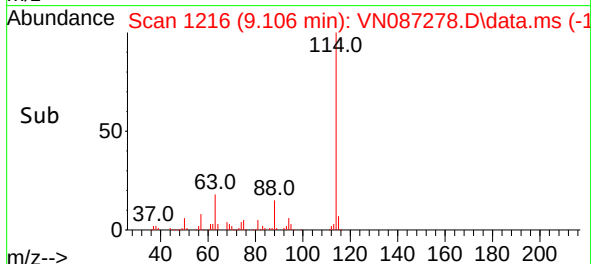
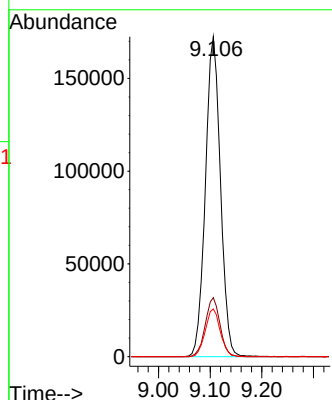
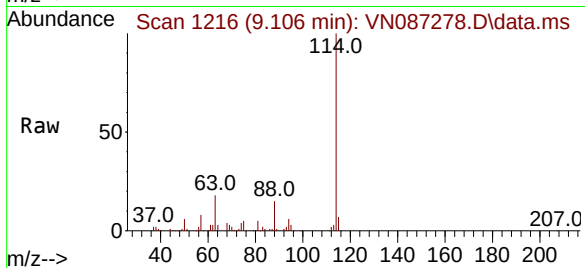
Tgt Ion:114 Resp: 348767

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.6

88 14.9 0.0 29.6



#35

Dibromofluoromethane

Concen: 53.491 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN087278.D

Acq: 03 Jul 2025 17:35

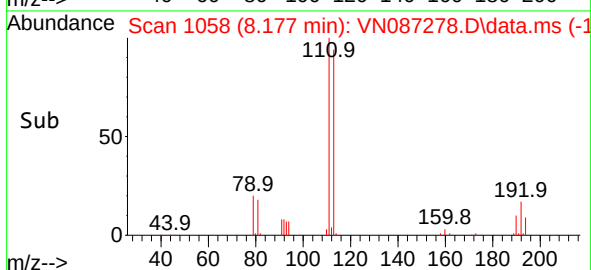
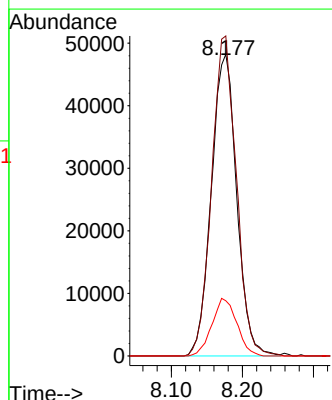
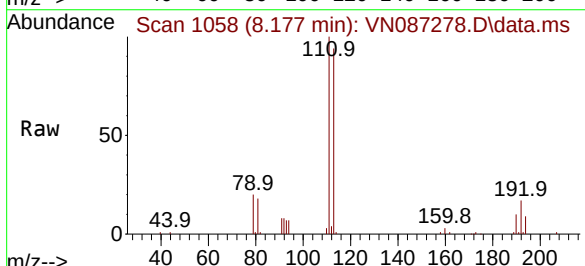
Tgt Ion:113 Resp: 119454

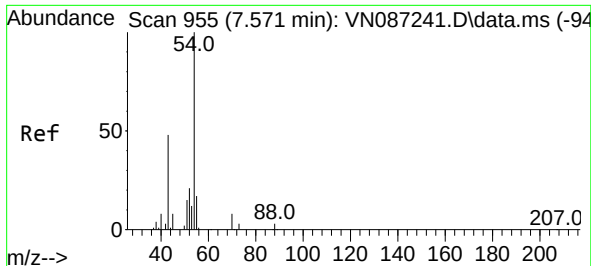
Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.2

192 18.8 15.1 22.7





#37

Ethyl Acetate

Concen: 3.594 ug/l

RT: 7.571 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN087278.D

Acq: 03 Jul 2025 17:35

Instrument :

MSVOA_N

ClientSampleId :

G3(9)

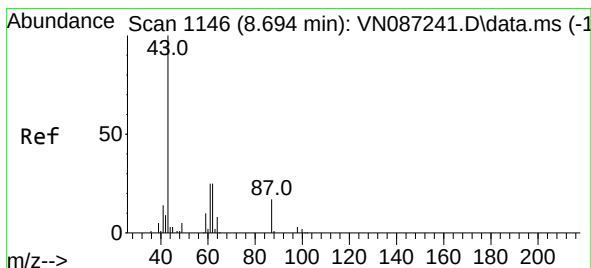
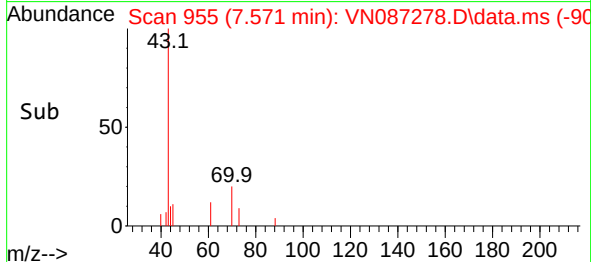
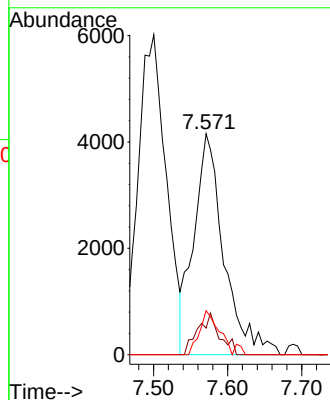
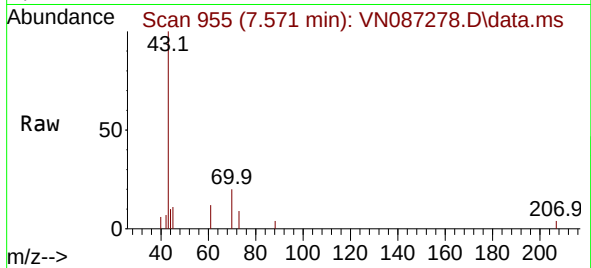
Tgt Ion: 43 Resp: 11732

Ion Ratio Lower Upper

43 100

61 13.6 11.3 16.9

70 12.7 9.9 14.9



#43

Isopropyl Acetate

Concen: 1.434 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN087278.D

Acq: 03 Jul 2025 17:35

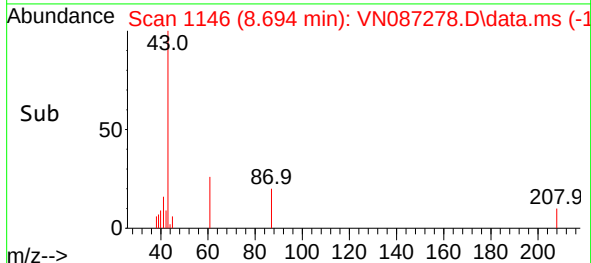
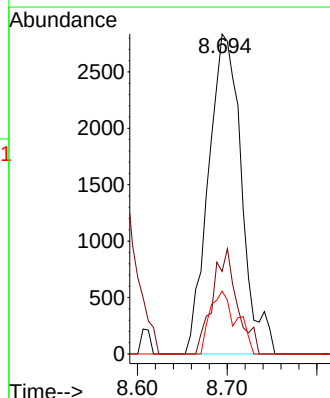
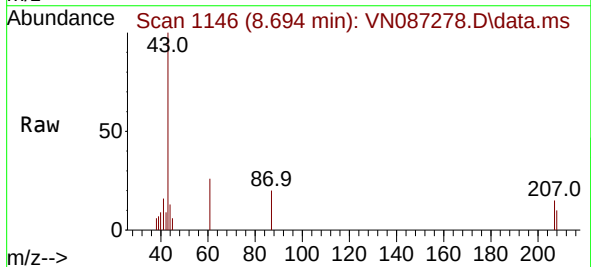
Tgt Ion: 43 Resp: 7260

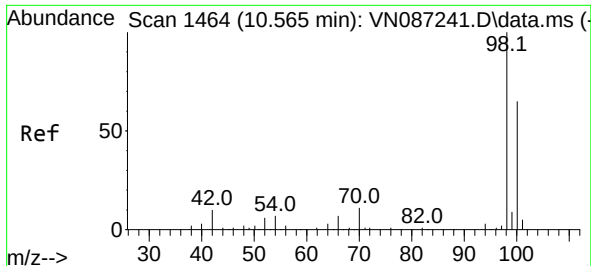
Ion Ratio Lower Upper

43 100

61 24.5 22.4 33.6

87 15.9 12.8 19.2

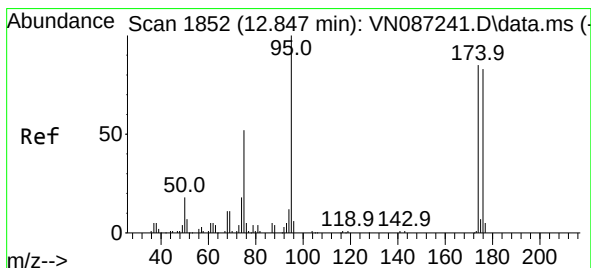
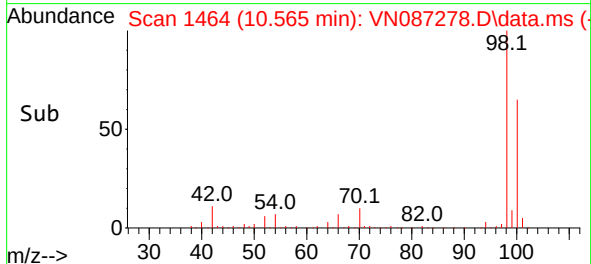
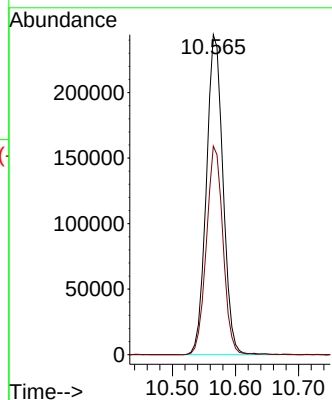
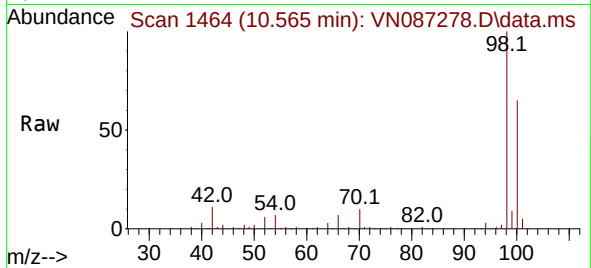




#50
Toluene-d8
Concen: 51.248 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

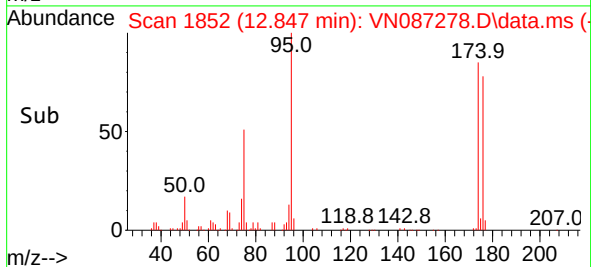
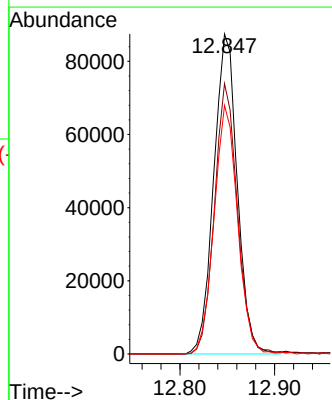
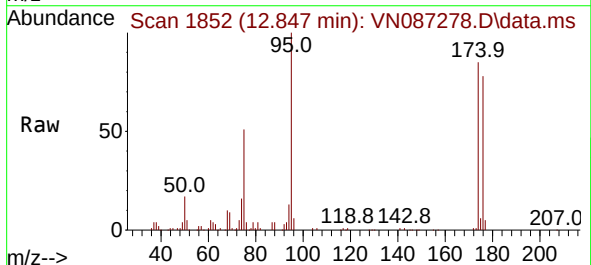
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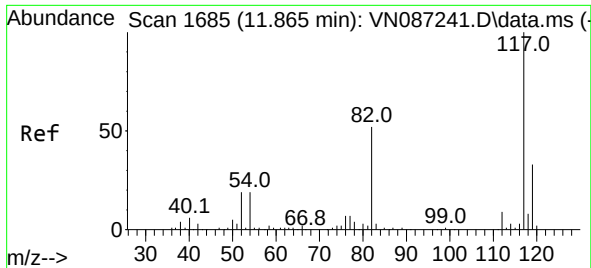
Tgt Ion: 98 Resp: 446088
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 48.704 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

Tgt Ion: 95 Resp: 150843
Ion Ratio Lower Upper
95 100
174 83.0 0.0 169.6
176 77.9 0.0 161.6

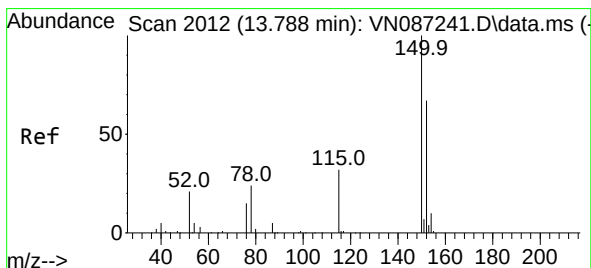
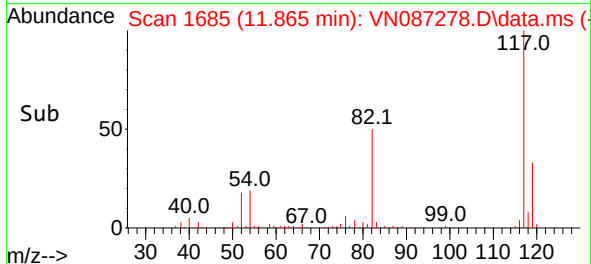
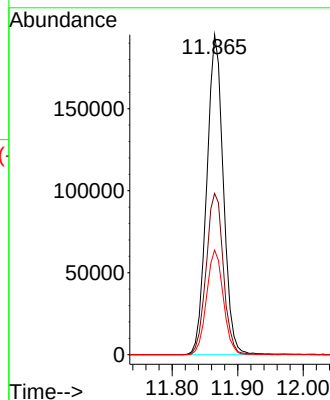
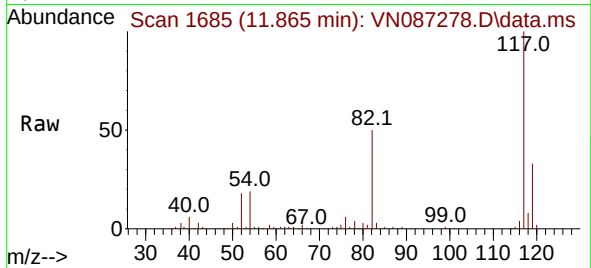




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

Instrument :
MSVOA_N
ClientSampleId :
G3(9)

Tgt Ion:117 Resp: 343098
Ion Ratio Lower Upper
117 100
82 50.4 41.9 62.9
119 32.7 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: VN087278.D
Acq: 03 Jul 2025 17:35

Tgt Ion:152 Resp: 162048
Ion Ratio Lower Upper
152 100
115 58.0 28.3 84.9
150 159.1 0.0 344.6

