

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087277.D
 Acq On : 03 Jul 2025 17:13
 Operator : JC\MD
 Sample : Q2487-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G4(10)

Quant Time: Jul 04 01:35:13 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)

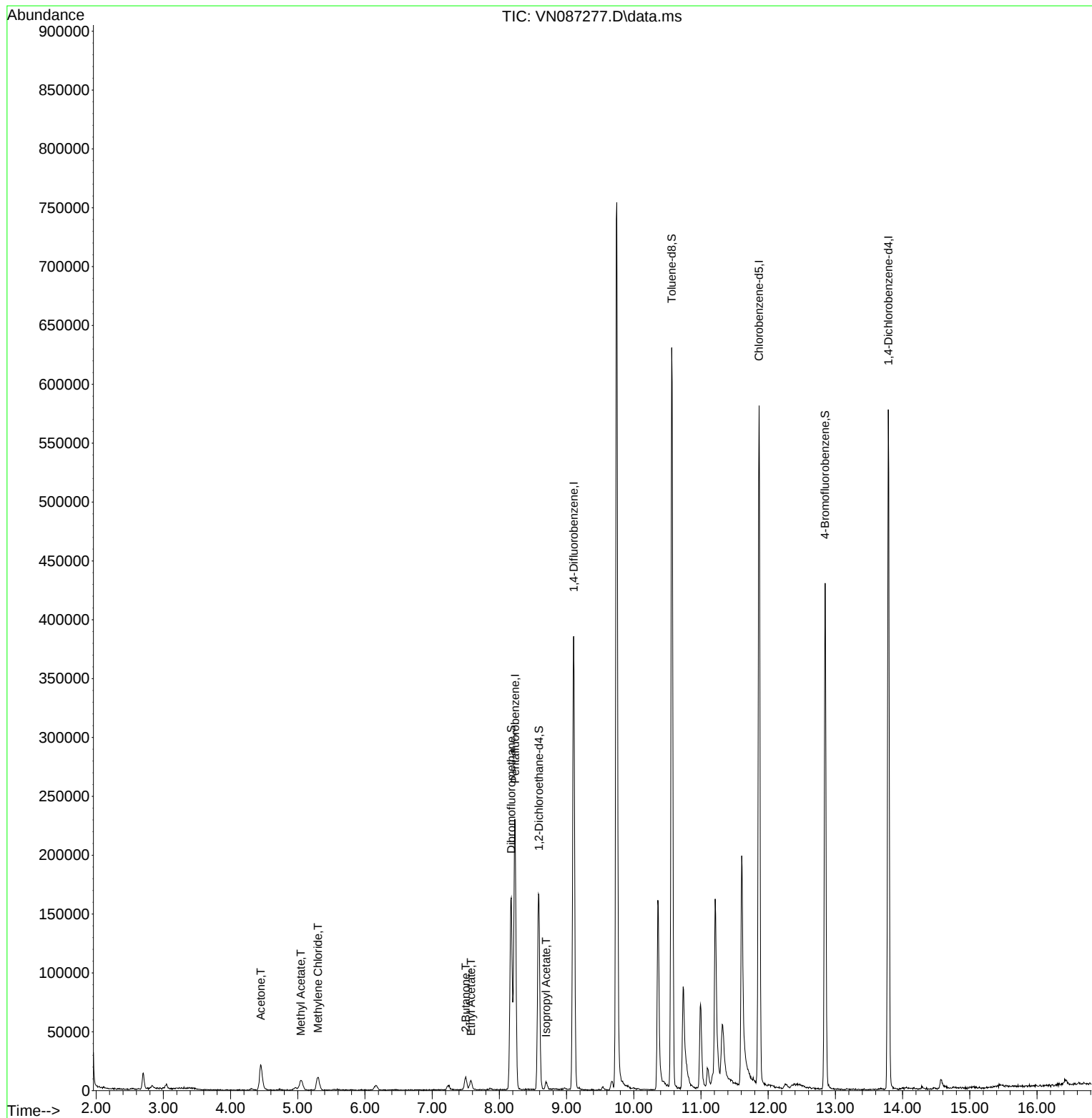
Internal Standards						
1) Pentafluorobenzene	8.235	168	180816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	355191	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	356558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	167009	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	139961	61.675	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 123.340%	
35) Dibromofluoromethane	8.177	113	122270	53.761	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.520%	
50) Toluene-d8	10.565	98	455048	51.332	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.660%	
62) 4-Bromofluorobenzene	12.847	95	157674	49.989	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.980%	
Target Compounds						
					Qvalue	
16) Acetone	4.447	43	41945	48.346	ug/l	96
18) Methyl Acetate	5.047	43	19013	9.573	ug/l	97
20) Methylene Chloride	5.300	84	9187	4.780	ug/l #	93
25) 2-Butanone	7.500	43	17095	12.608	ug/l	98
37) Ethyl Acetate	7.577	43	12233	3.679	ug/l	97
43) Isopropyl Acetate	8.694	43	7572	1.469	ug/l #	82

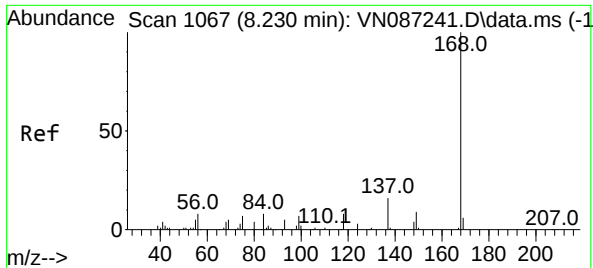
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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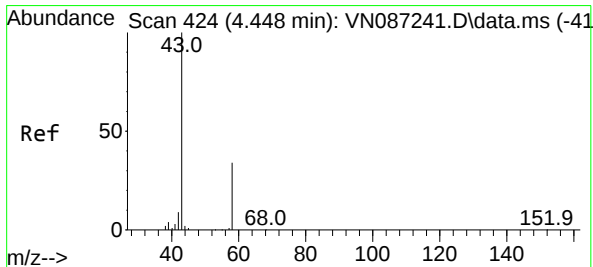
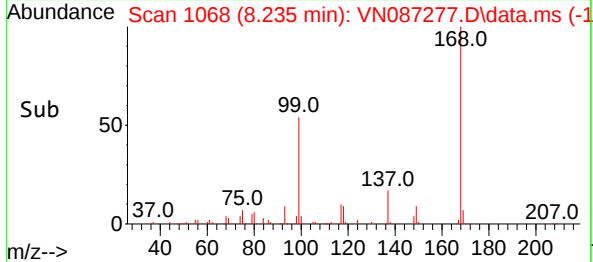
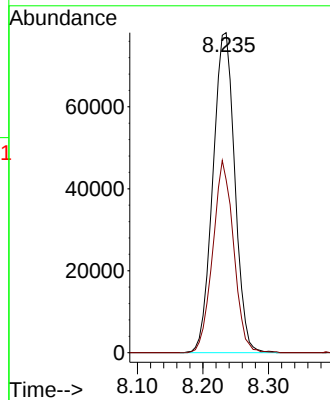
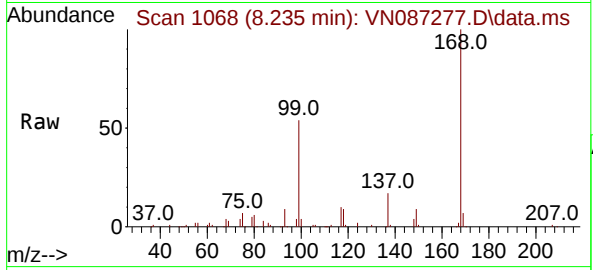




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

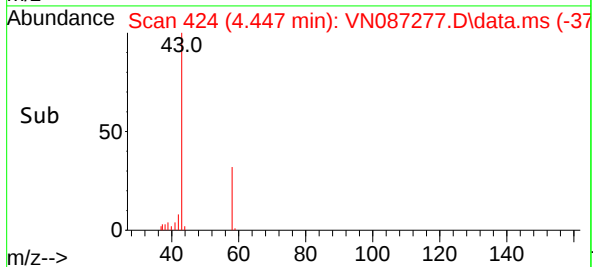
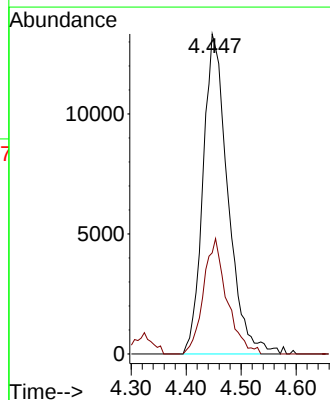
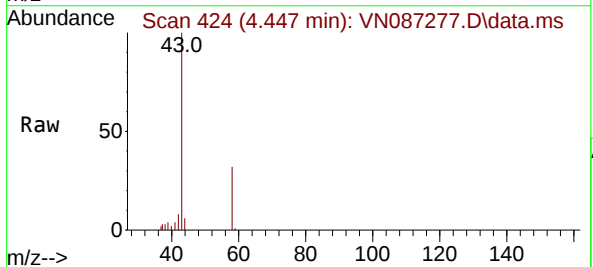
Instrument :
MSVOA_N
ClientSampleId :
G4(10)

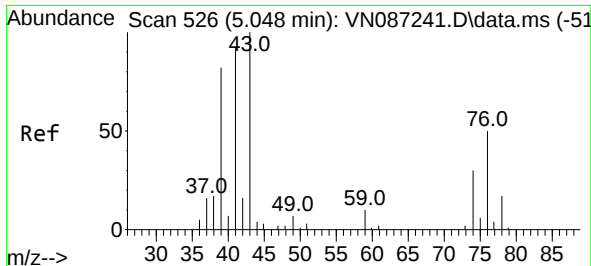
Tgt Ion:168 Resp: 180816
Ion Ratio Lower Upper
168 100
99 54.0 42.6 64.0



#16
Acetone
Concen: 48.346 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion: 43 Resp: 41945
Ion Ratio Lower Upper
43 100
58 31.6 27.1 40.7

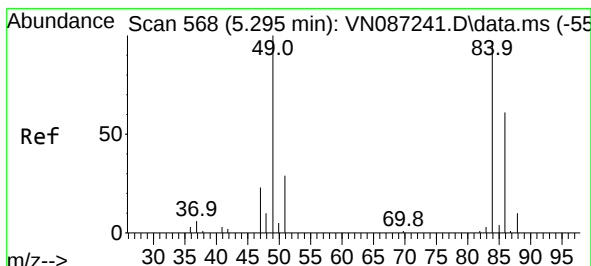
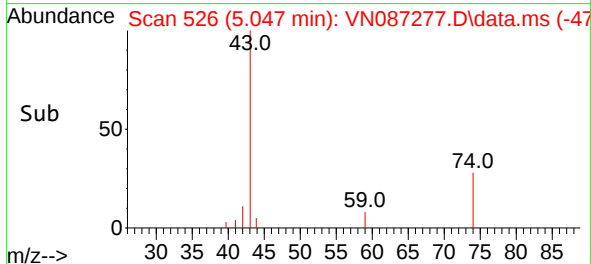
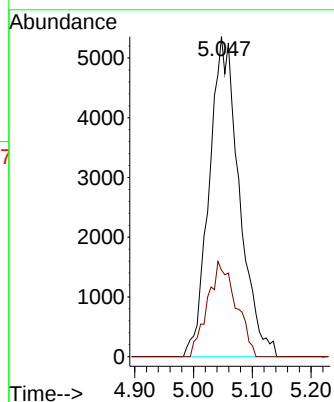
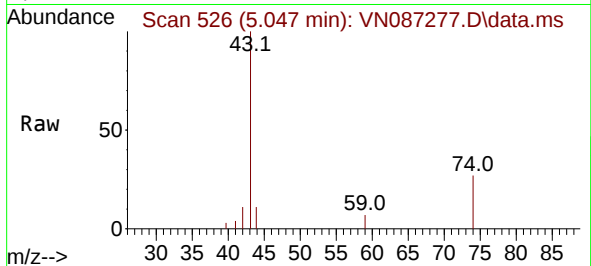




#18
Methyl Acetate
Concen: 9.573 ug/l
RT: 5.047 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

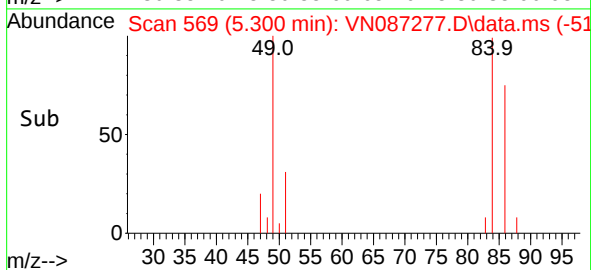
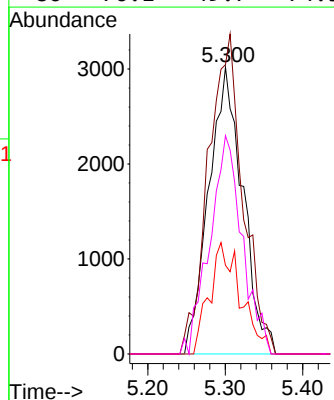
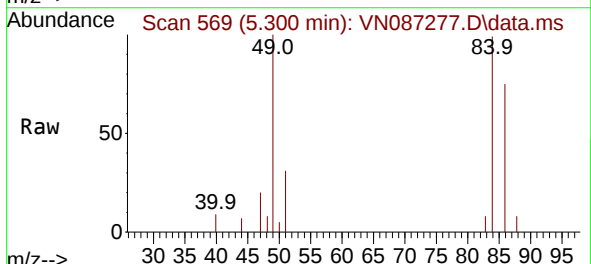
Instrument :
MSVOA_N
ClientSampleId :
G4(10)

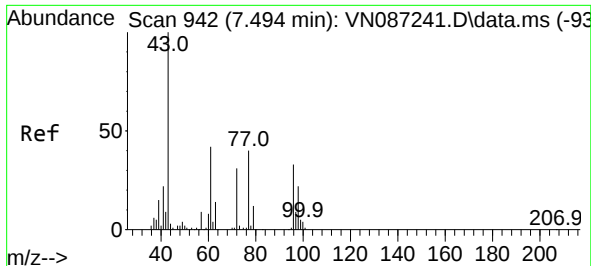
Tgt Ion: 43 Resp: 19013
Ion Ratio Lower Upper
43 100
74 28.2 23.8 35.6



#20
Methylene Chloride
Concen: 4.780 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion: 84 Resp: 9187
Ion Ratio Lower Upper
84 100
49 100.8 82.1 123.1
51 30.9 23.5 35.3
86 76.1 49.7 74.5#

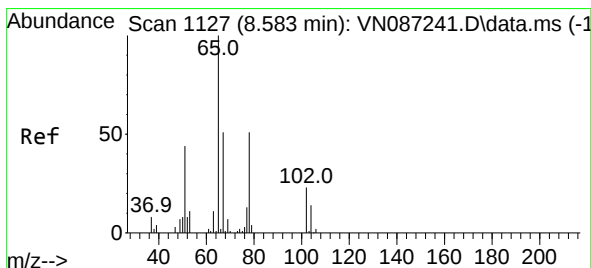
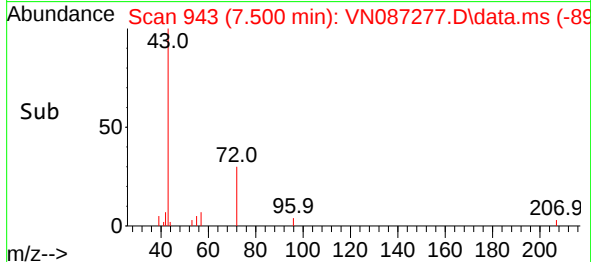
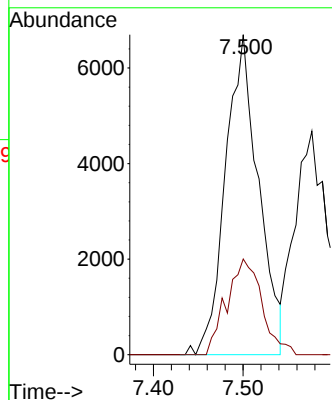
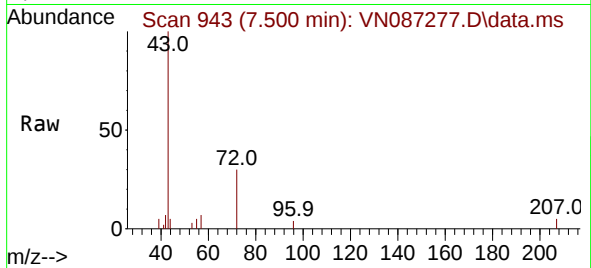




#25
2-Butanone
Concen: 12.608 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

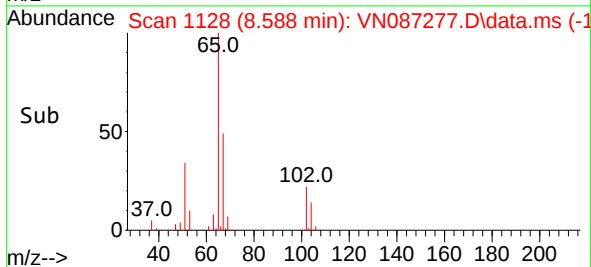
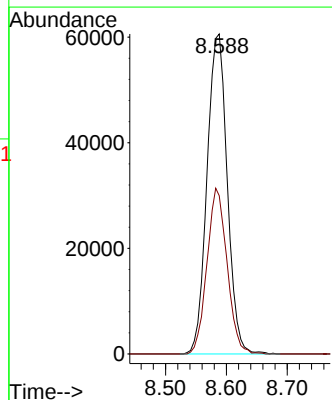
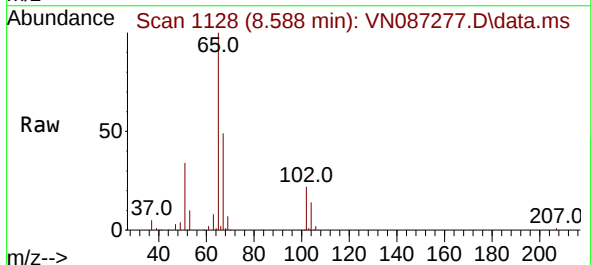
Instrument :
MSVOA_N
ClientSampleId :
G4(10)

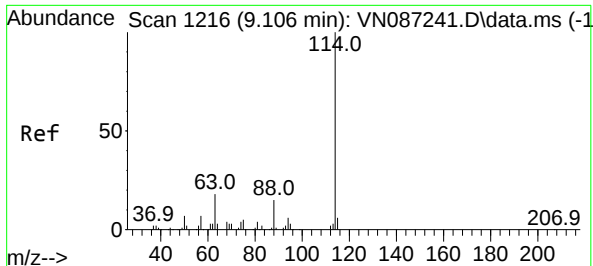
Tgt Ion: 43 Resp: 17095
Ion Ratio Lower Upper
43 100
72 29.9 24.8 37.2



#33
1,2-Dichloroethane-d4
Concen: 61.675 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion: 65 Resp: 139961
Ion Ratio Lower Upper
65 100
67 51.4 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: VN087277.D

Acq: 03 Jul 2025 17:13

Instrument :

MSVOA_N

ClientSampleId :

G4(10)

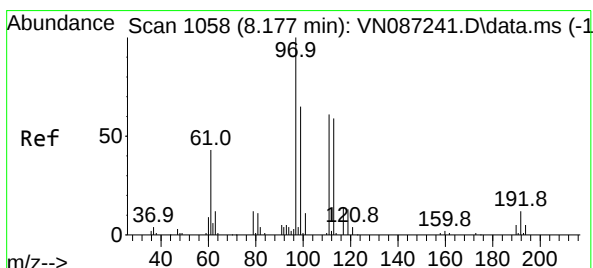
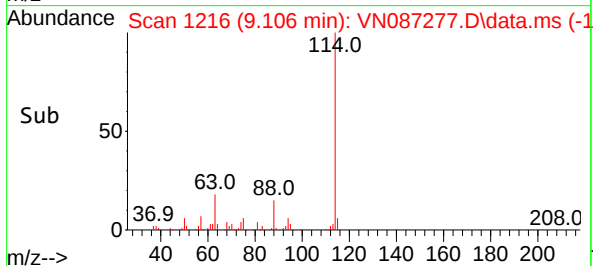
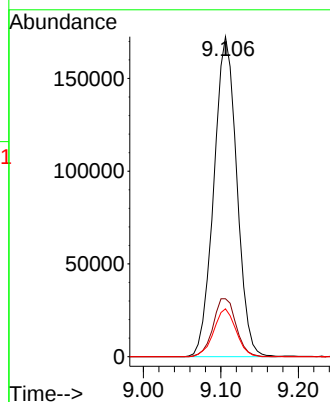
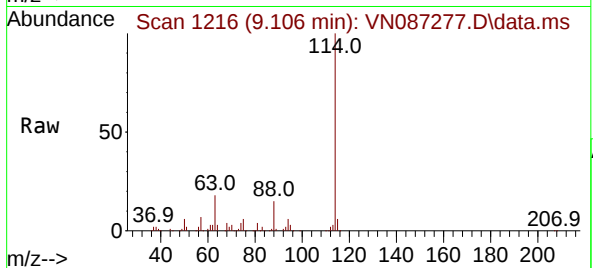
Tgt Ion:114 Resp: 355191

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.6

88 14.9 0.0 29.6



#35

Dibromofluoromethane

Concen: 53.761 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN087277.D

Acq: 03 Jul 2025 17:13

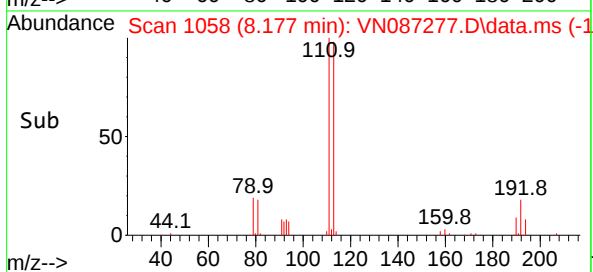
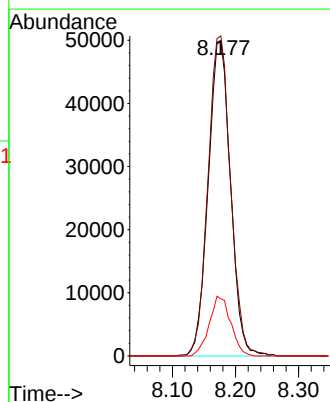
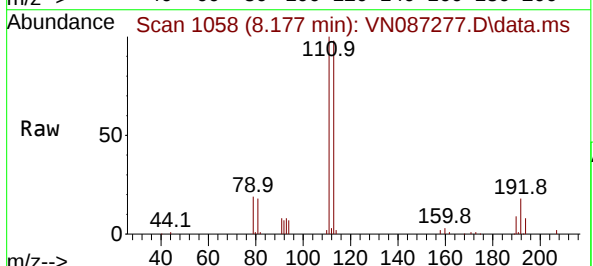
Tgt Ion:113 Resp: 122270

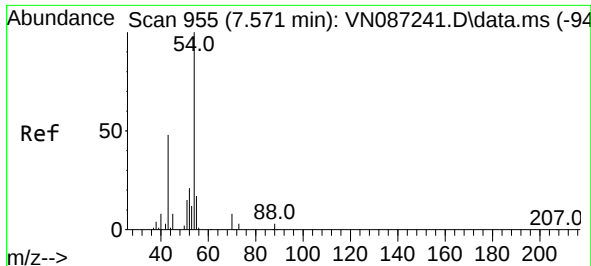
Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.2

192 18.2 15.1 22.7

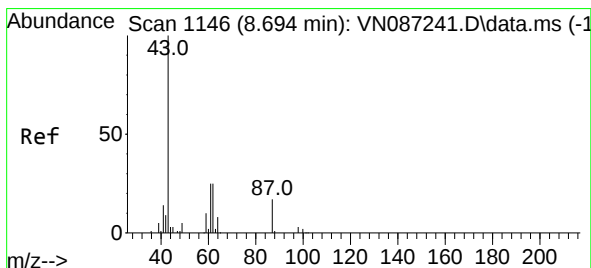
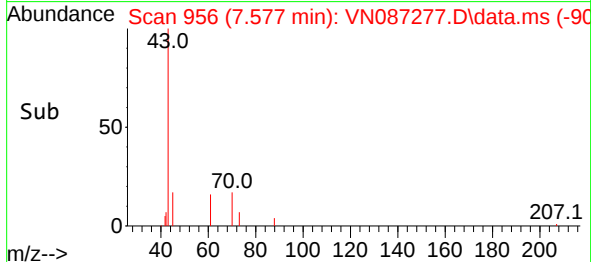
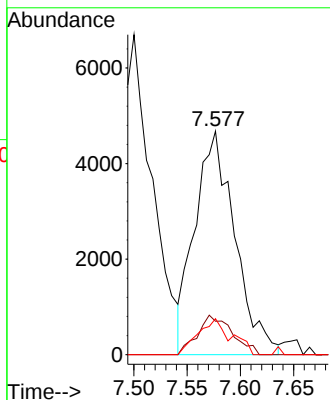
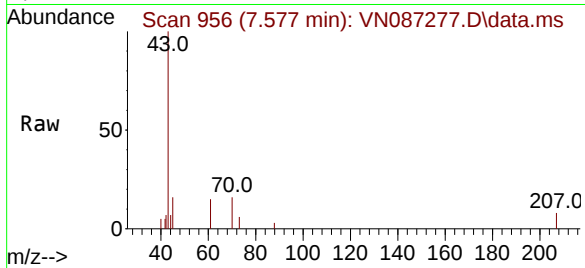




#37
Ethyl Acetate
Concen: 3.679 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

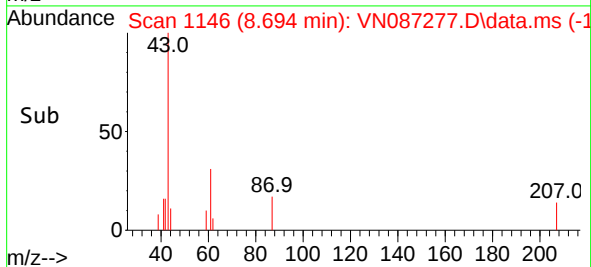
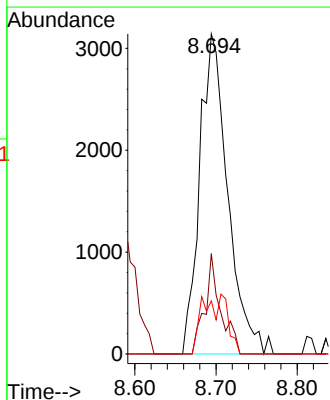
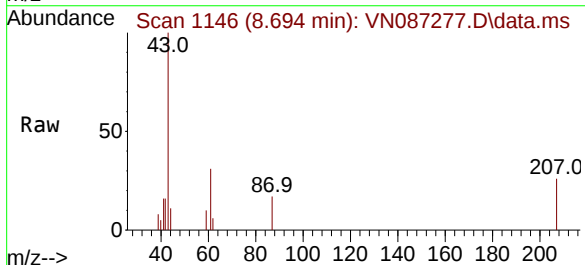
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G4(10)

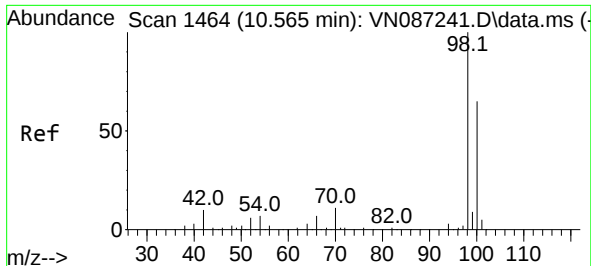
Tgt Ion:	43	Resp:	12233
Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.3	16.9
70	13.4	9.9	14.9



#43
Isopropyl Acetate
Concen: 1.469 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion:	43	Resp:	7572
Ion	Ratio	Lower	Upper
43	100		
61	17.5	22.4	33.6#
87	9.7	12.8	19.2#

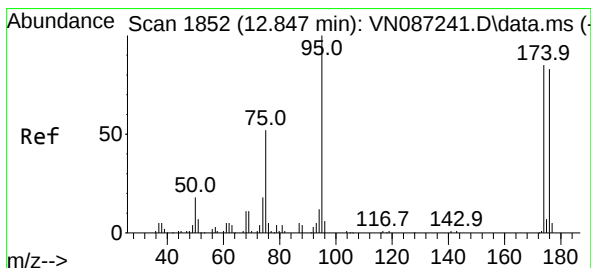
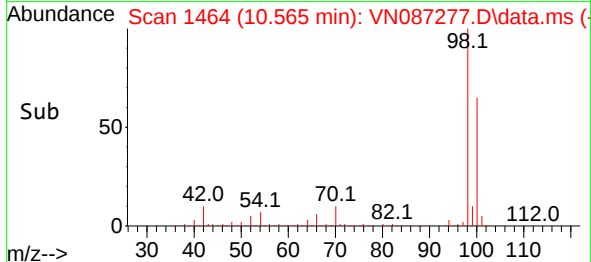
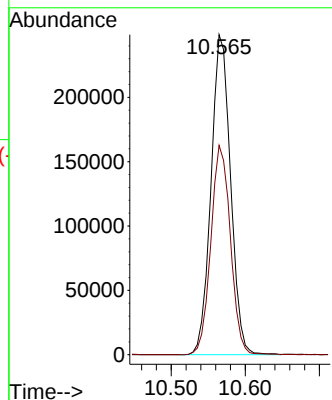
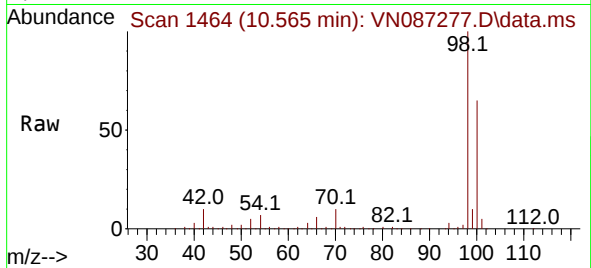




#50
Toluene-d8
Concen: 51.332 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

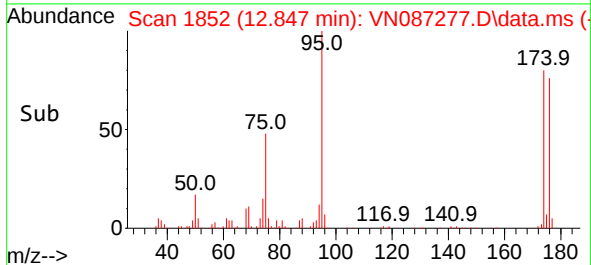
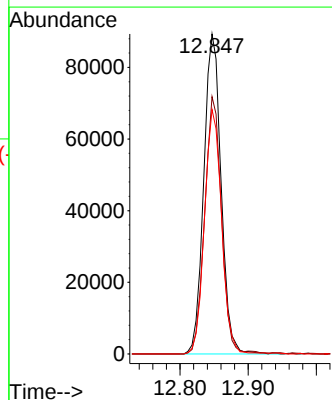
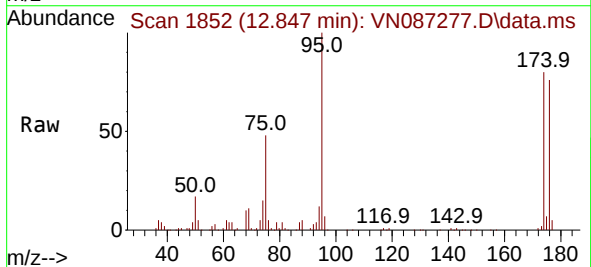
Instrument :
MSVOA_N
ClientSampleId :
G4(10)

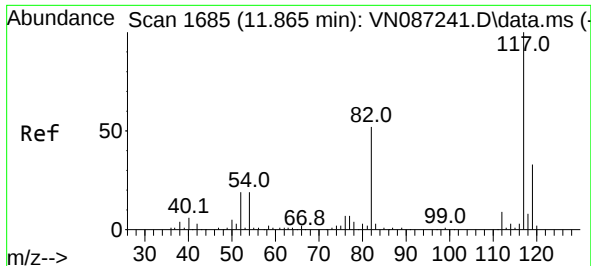
Tgt Ion: 98 Resp: 455048
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 49.989 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion: 95 Resp: 157674
Ion Ratio Lower Upper
95 100
174 78.2 0.0 169.6
176 76.0 0.0 161.6

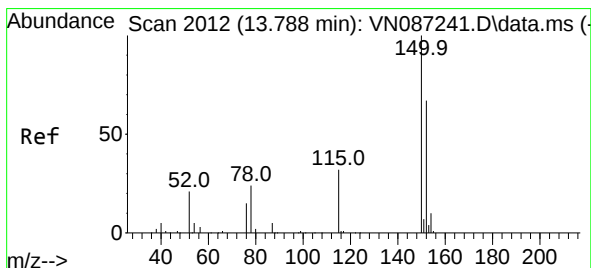
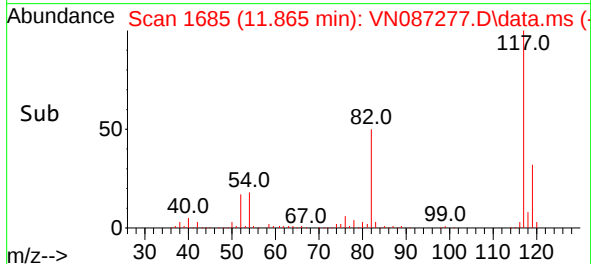
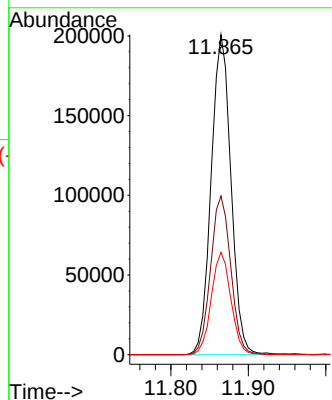
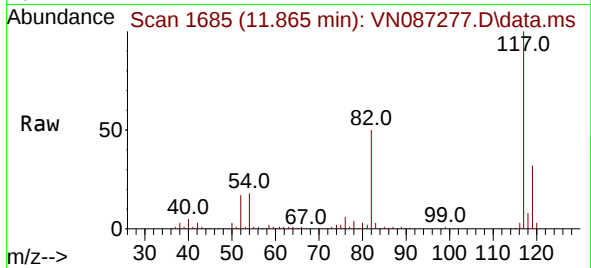




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Instrument :
MSVOA_N
ClientSampleId :
G4(10)

Tgt Ion:117 Resp: 356558
Ion Ratio Lower Upper
117 100
82 49.6 41.9 62.9
119 32.0 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: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion:152 Resp: 167009
Ion Ratio Lower Upper
152 100
115 56.8 28.3 84.9
150 157.1 0.0 344.6

