

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087276.D
 Acq On : 03 Jul 2025 16:52
 Operator : JC\MD
 Sample : Q2487-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G4(1.5)

Quant Time: Jul 04 02:17:39 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)

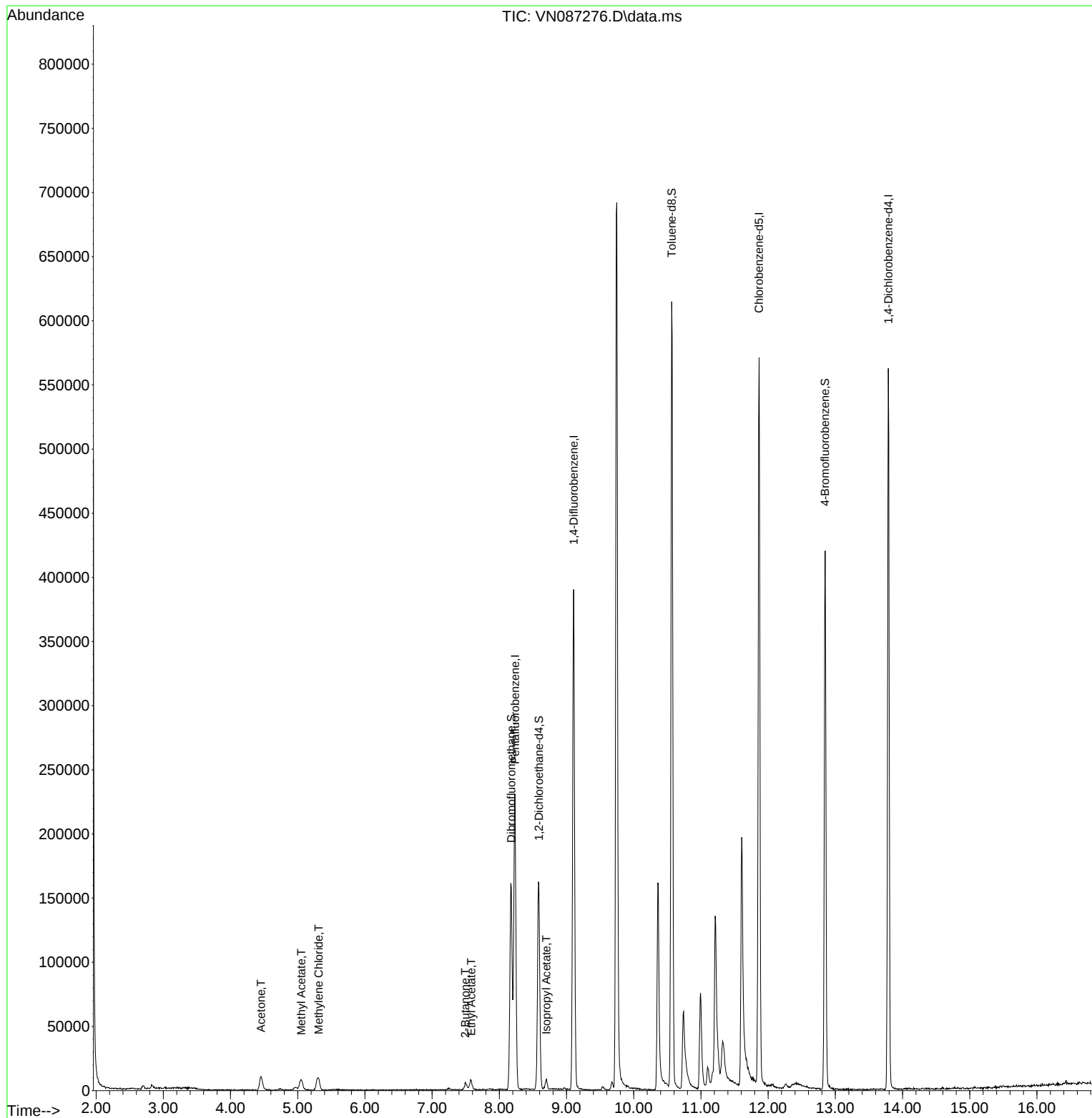
Internal Standards						
1) Pentafluorobenzene	8.236	168	179908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	349516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	347283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	162292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	136869	60.617	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 121.240%		
35) Dibromofluoromethane	8.177	113	118753	53.063	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.120%		
50) Toluene-d8	10.565	98	442974	50.781	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 101.560%		
62) 4-Bromofluorobenzene	12.847	95	148809	47.944	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 95.880%		
Target Compounds						
						Qvalue
16) Acetone	4.454	43	21524	24.934	ug/l	99
18) Methyl Acetate	5.053	43	18159	9.189	ug/l	99
20) Methylene Chloride	5.312	84	9188	4.805	ug/l	96
25) 2-Butanone	7.494	43	8632	6.399	ug/l	97
37) Ethyl Acetate	7.583	43	12004	3.669	ug/l	99
43) Isopropyl Acetate	8.700	43	7988	1.574	ug/l #	91

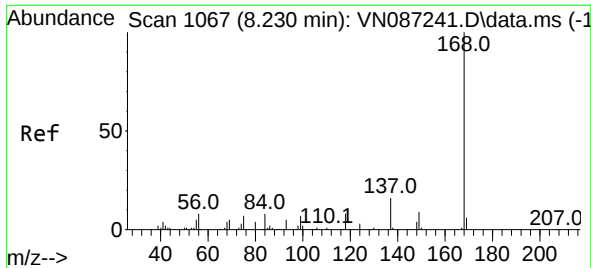
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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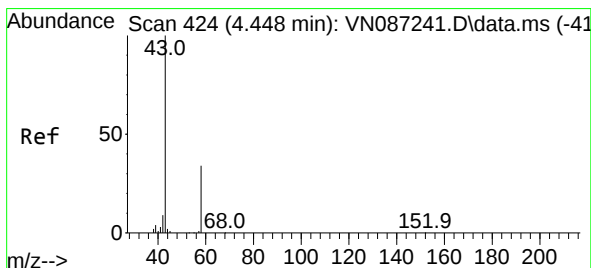
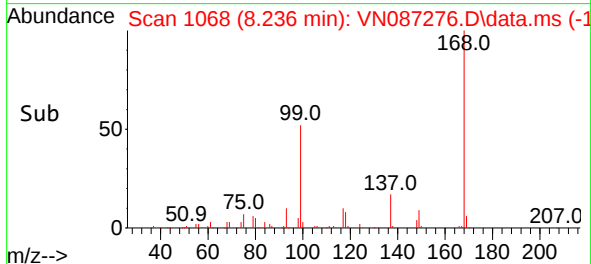
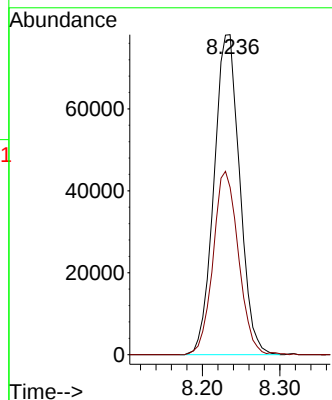
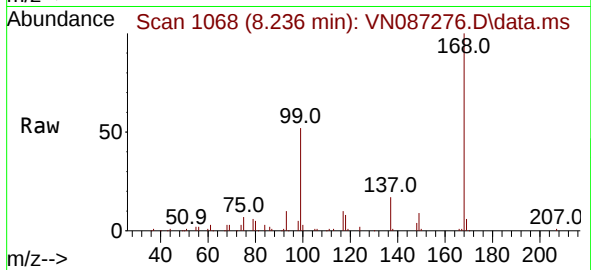




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

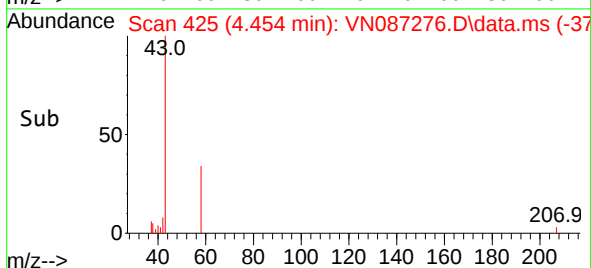
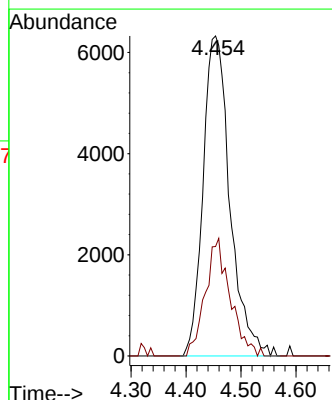
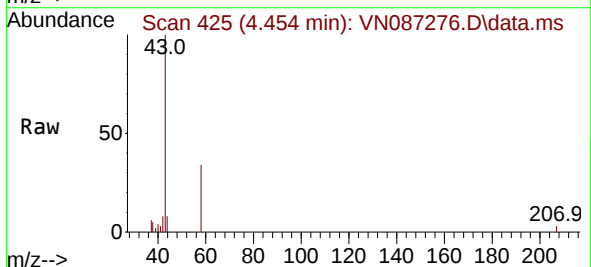
Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

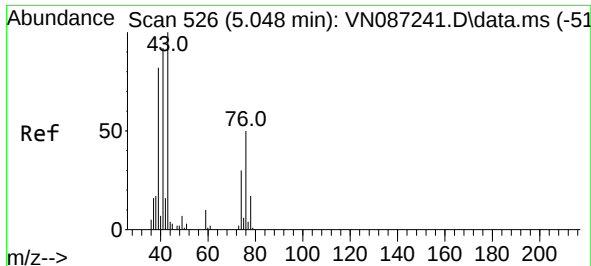
Tgt Ion:168 Resp: 179908
Ion Ratio Lower Upper
168 100
99 52.3 42.6 64.0



#16
Acetone
Concen: 24.934 ug/l
RT: 4.454 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion: 43 Resp: 21524
Ion Ratio Lower Upper
43 100
58 34.2 27.1 40.7

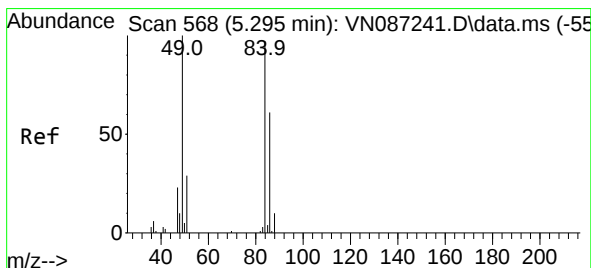
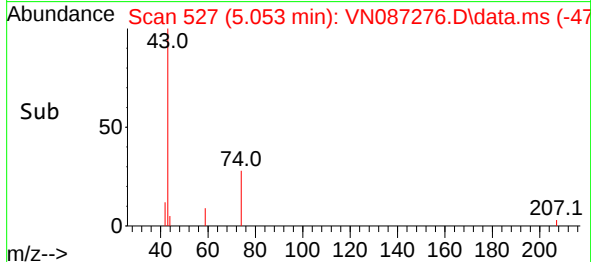
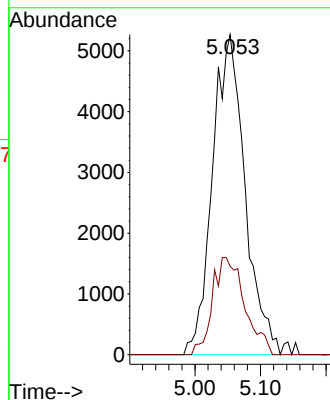
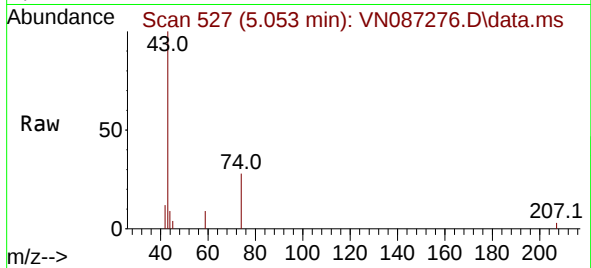




#18
Methyl Acetate
Concen: 9.189 ug/l
RT: 5.053 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

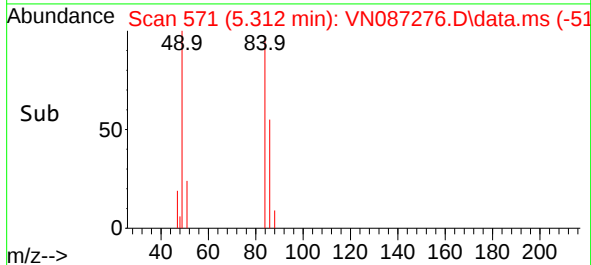
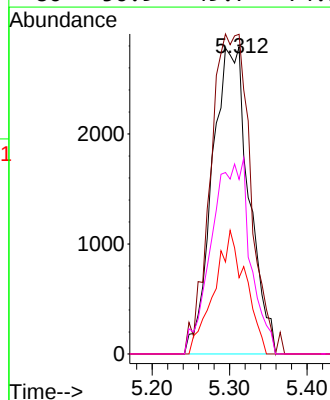
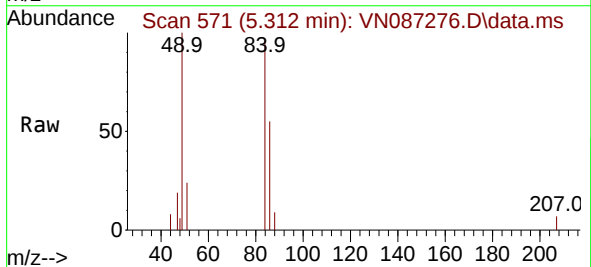
Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

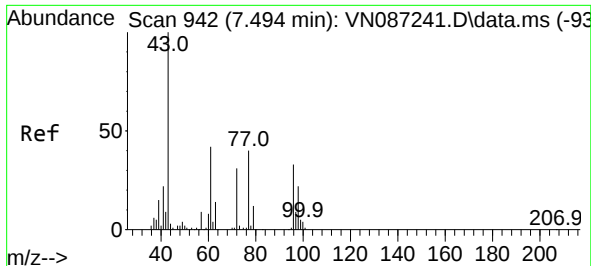
Tgt Ion: 43 Resp: 18159
Ion Ratio Lower Upper
43 100
74 30.1 23.8 35.6



#20
Methylene Chloride
Concen: 4.805 ug/l
RT: 5.312 min Scan# 571
Delta R.T. 0.018 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion: 84 Resp: 9188
Ion Ratio Lower Upper
84 100
49 104.1 82.1 123.1
51 24.9 23.5 35.3
86 56.9 49.7 74.5

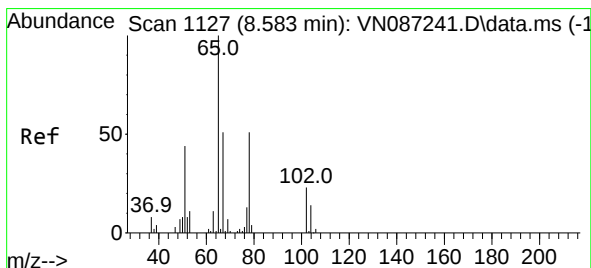
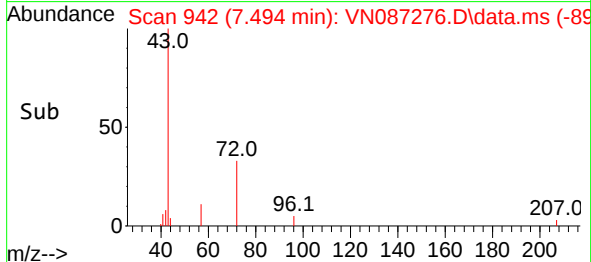
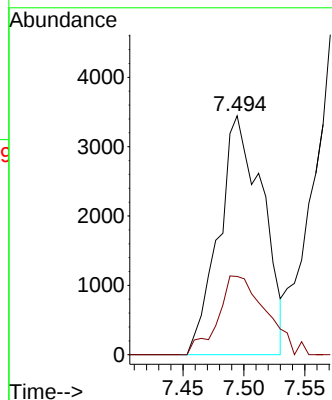
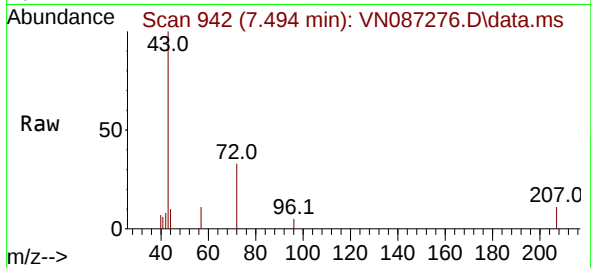




#25
2-Butanone
Concen: 6.399 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

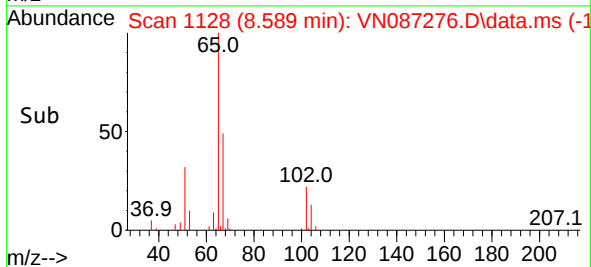
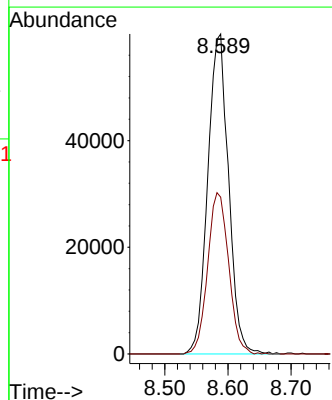
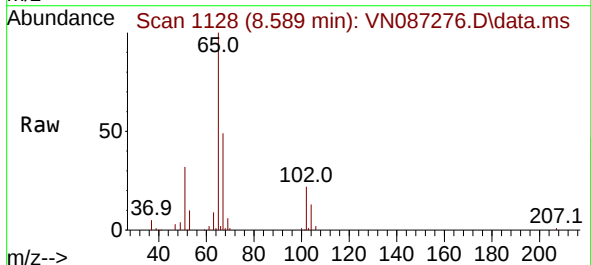
Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

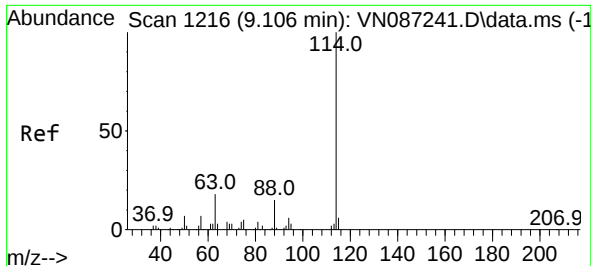
Tgt Ion: 43 Resp: 8632
Ion Ratio Lower Upper
43 100
72 32.7 24.8 37.2



#33
1,2-Dichloroethane-d4
Concen: 60.617 ug/l
RT: 8.589 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion: 65 Resp: 136869
Ion Ratio Lower Upper
65 100
67 51.1 0.0 102.6

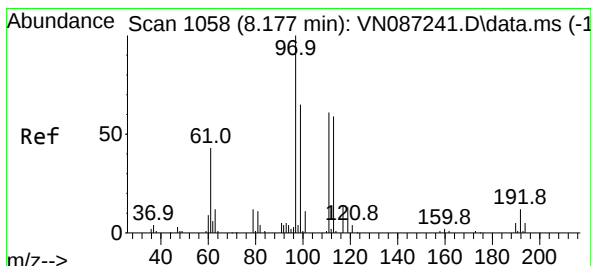
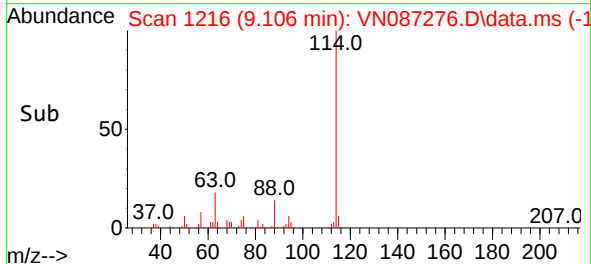
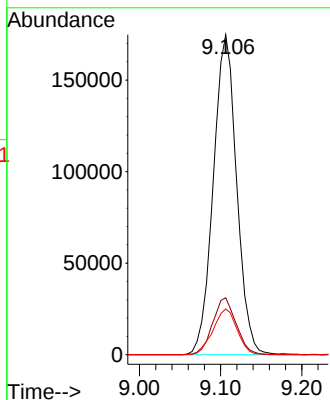
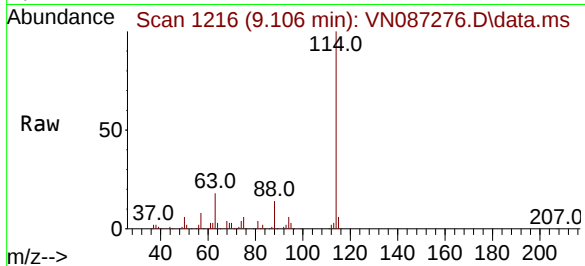




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

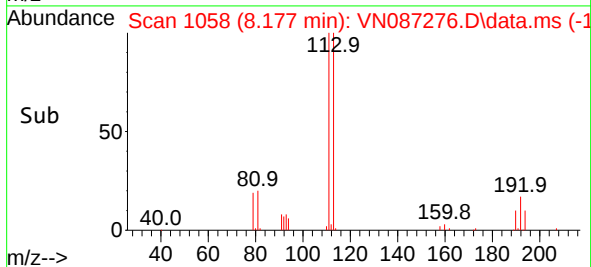
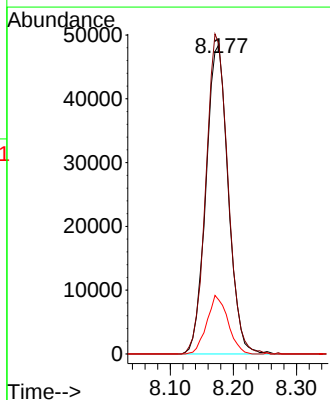
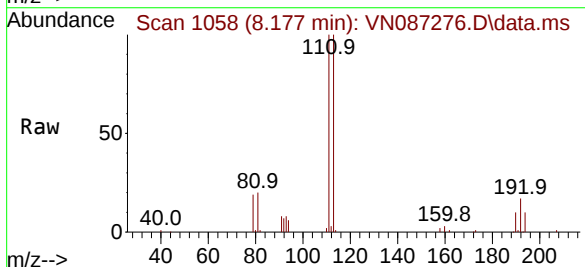
Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

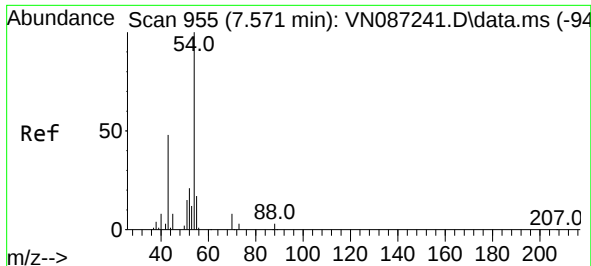
Tgt Ion:114 Resp: 349516
Ion Ratio Lower Upper
114 100
63 17.8 0.0 36.6
88 14.3 0.0 29.6



#35
Dibromofluoromethane
Concen: 53.063 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion:113 Resp: 118753
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.2
192 17.9 15.1 22.7

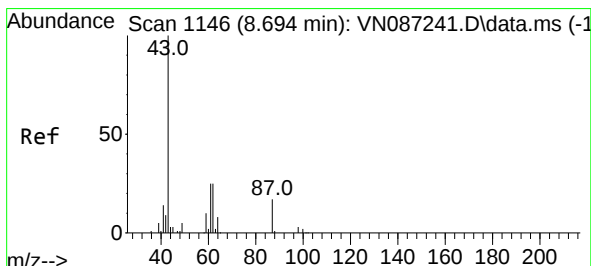
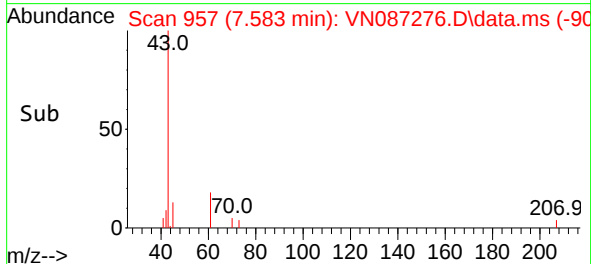
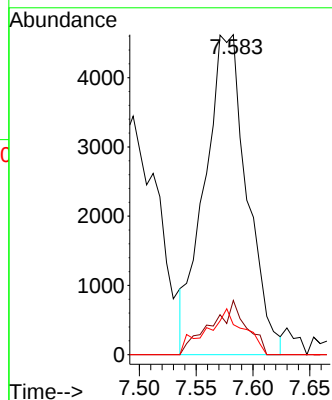
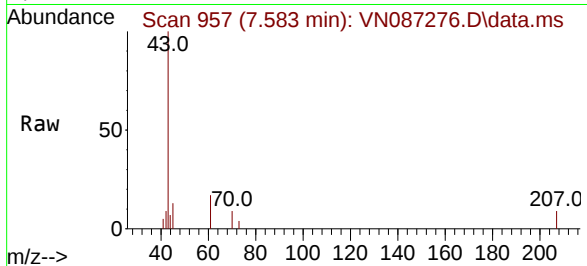




#37
Ethyl Acetate
Concen: 3.669 ug/l
RT: 7.583 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

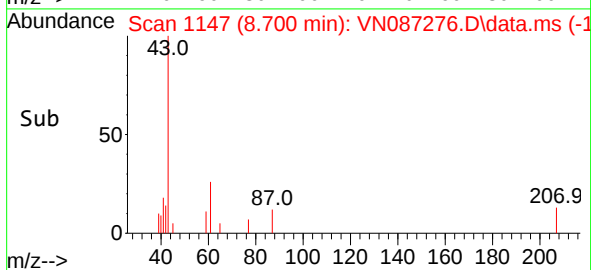
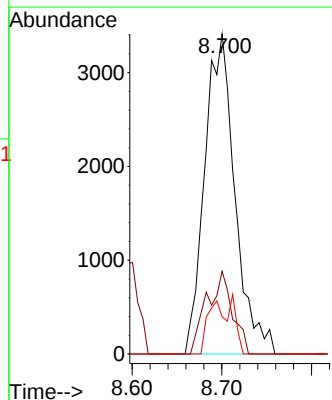
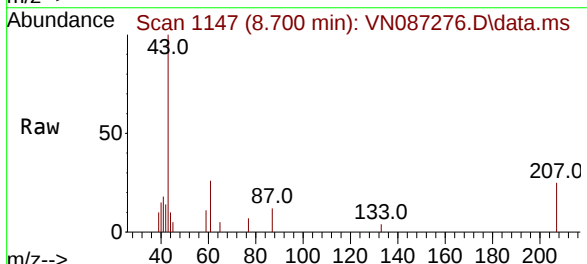
Instrument :
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ClientSampleId :
G4(1.5)

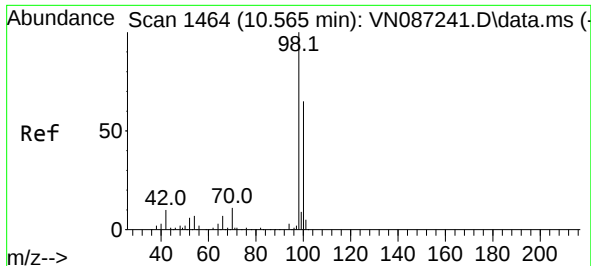
Tgt Ion:	43	Resp:	12004
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.3	16.9
70	12.7	9.9	14.9



#43
Isopropyl Acetate
Concen: 1.574 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion:	43	Resp:	7988
Ion	Ratio	Lower	Upper
43	100		
61	21.9	22.4	33.6#
87	13.6	12.8	19.2

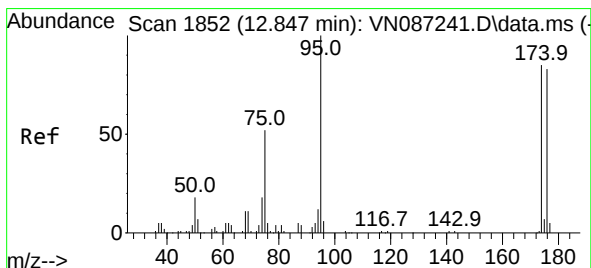
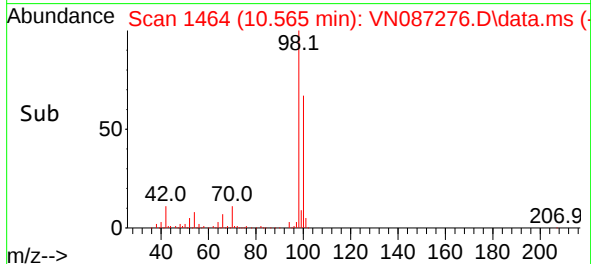
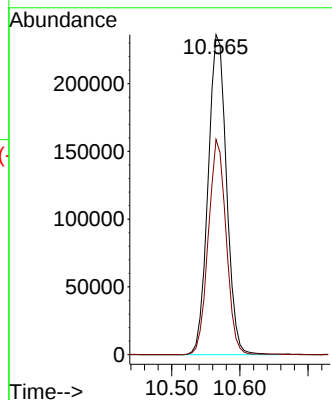
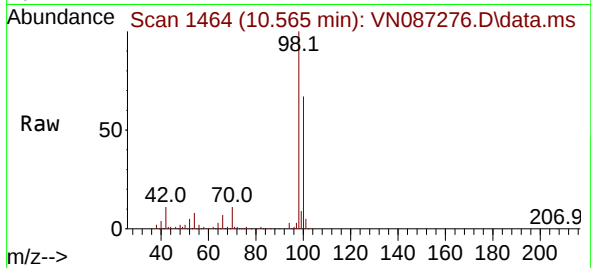




#50
Toluene-d8
Concen: 50.781 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

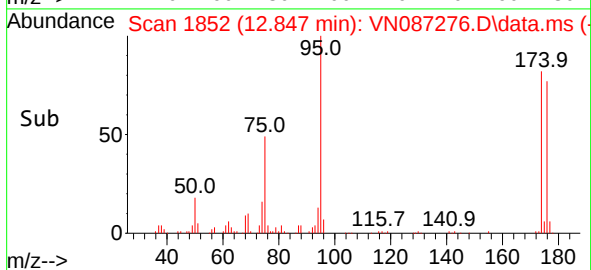
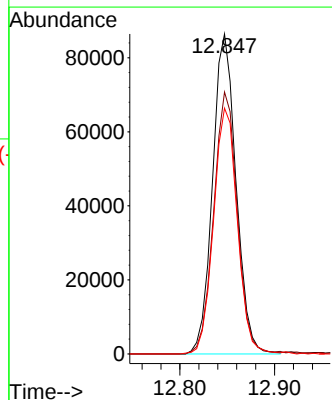
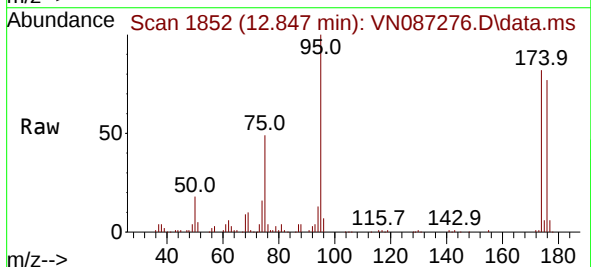
Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

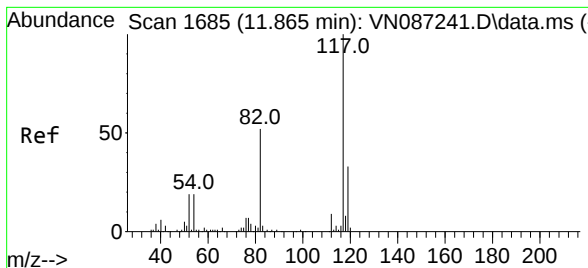
Tgt Ion: 98 Resp: 442974
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.944 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion: 95 Resp: 148809
Ion Ratio Lower Upper
95 100
174 83.0 0.0 169.6
176 78.0 0.0 161.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087276.D

Acq: 03 Jul 2025 16:52

Instrument :

MSVOA_N

ClientSampleId :

G4(1.5)

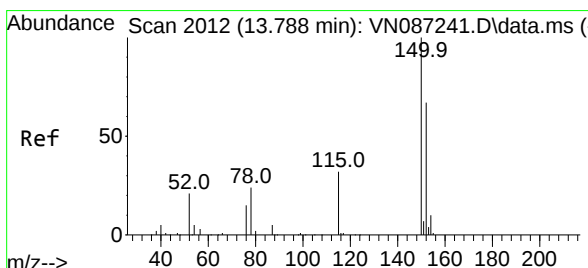
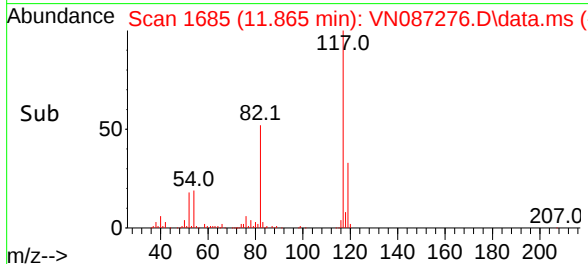
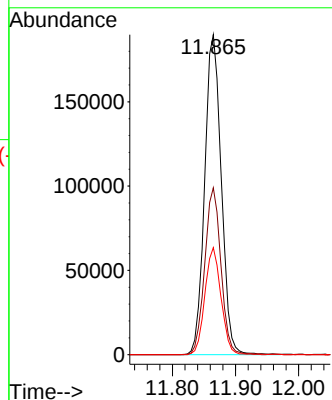
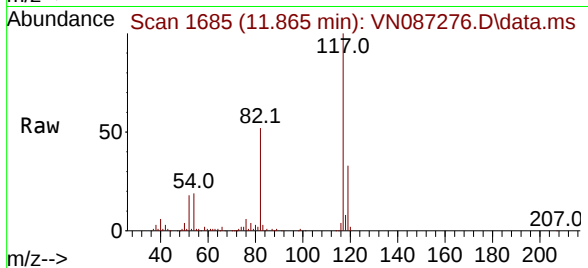
Tgt Ion:117 Resp: 347283

Ion Ratio Lower Upper

117 100

82 52.1 41.9 62.9

119 33.5 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: VN087276.D

Acq: 03 Jul 2025 16:52

Tgt Ion:152 Resp: 162292

Ion Ratio Lower Upper

152 100

115 56.9 28.3 84.9

150 155.8 0.0 344.6

