

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
 Data File : VN087287.D
 Acq On : 07 Jul 2025 12:02
 Operator : JC\MD
 Sample : Q2487-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G3(3)

Quant Time: Jul 08 01:31:06 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)

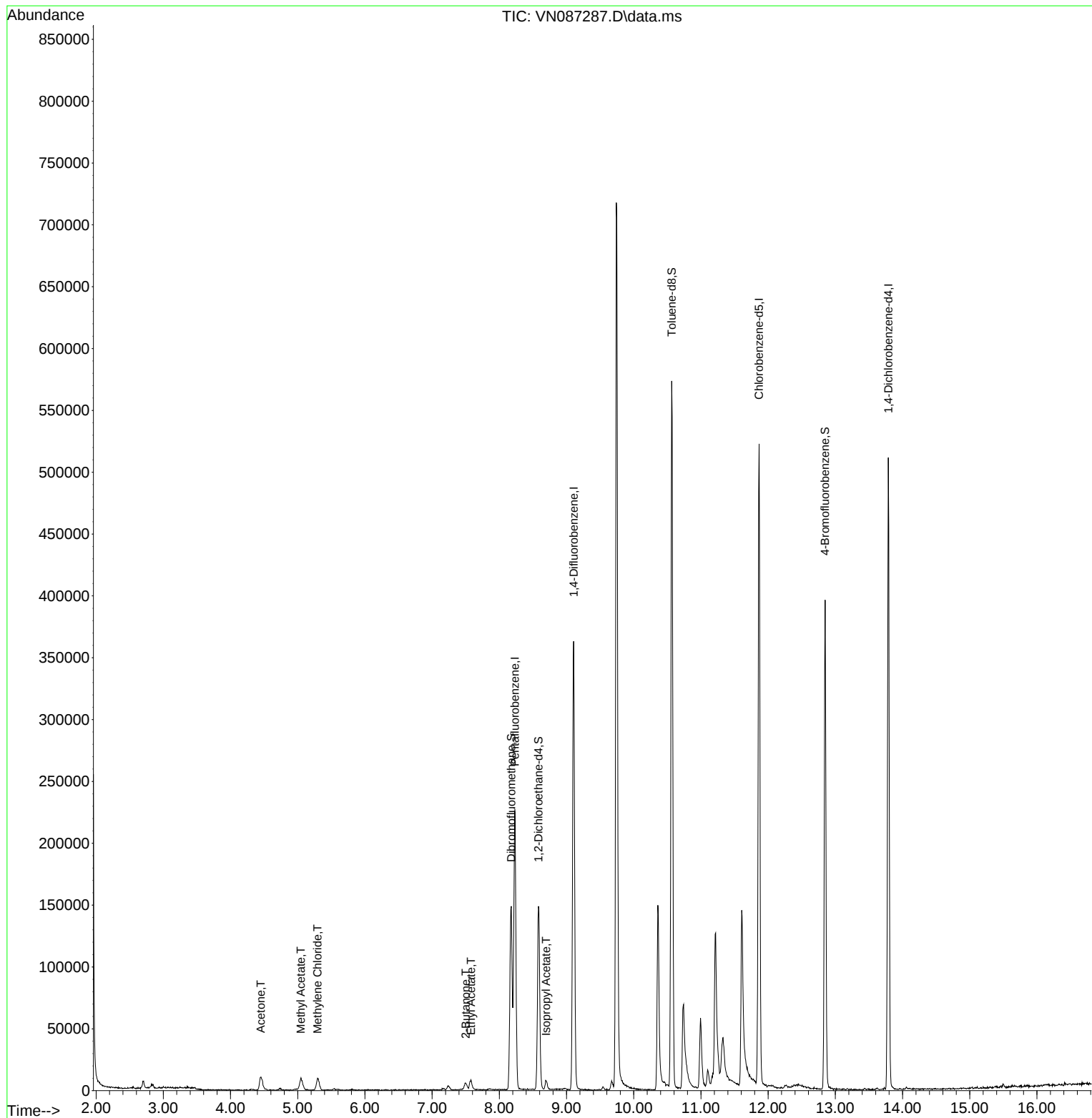
Internal Standards						
1) Pentafluorobenzene	8.230	168	178305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	333547	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	319292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	147659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	124994	55.855	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 111.720%		
35) Dibromofluoromethane	8.177	113	111946	52.416	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.840%		
50) Toluene-d8	10.565	98	415727	49.939	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 99.880%		
62) 4-Bromofluorobenzene	12.847	95	137665	46.478	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 92.960%		
Target Compounds						
						Qvalue
16) Acetone	4.448	43	22128	25.864	ug/l	97
18) Methyl Acetate	5.048	43	18381	9.385	ug/l	95
20) Methylene Chloride	5.295	84	7866	4.150	ug/l #	95
25) 2-Butanone	7.500	43	9591	7.173	ug/l	93
37) Ethyl Acetate	7.577	43	13156	4.214	ug/l #	90
43) Isopropyl Acetate	8.694	43	7996	1.651	ug/l #	89

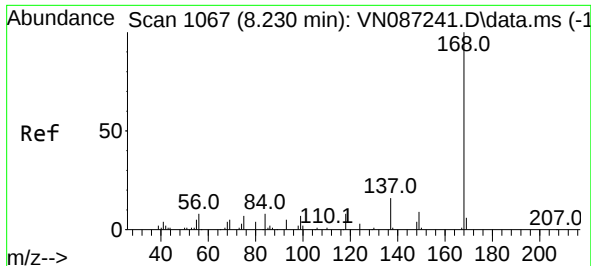
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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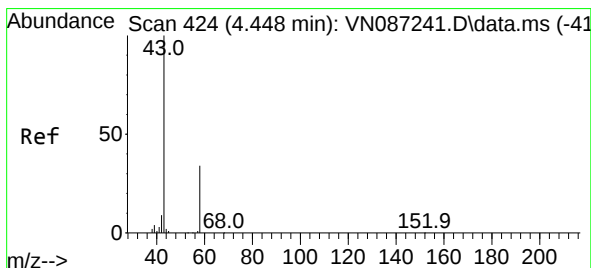
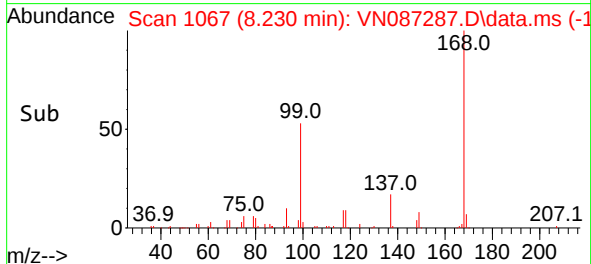
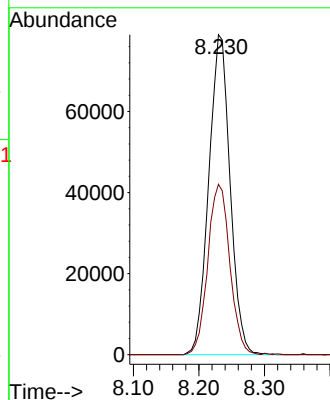
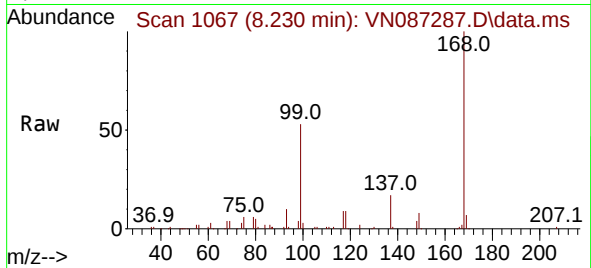




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

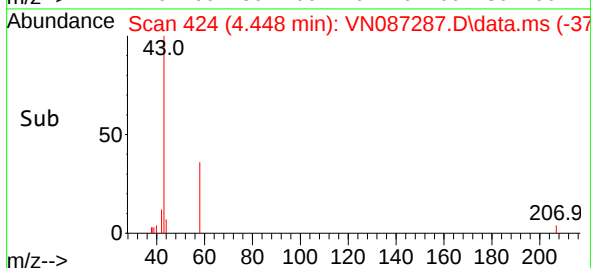
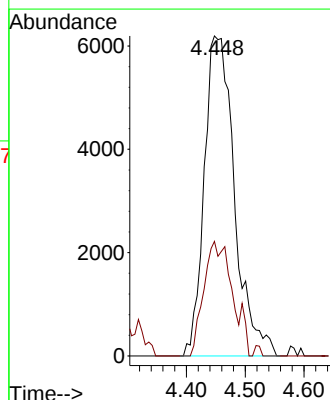
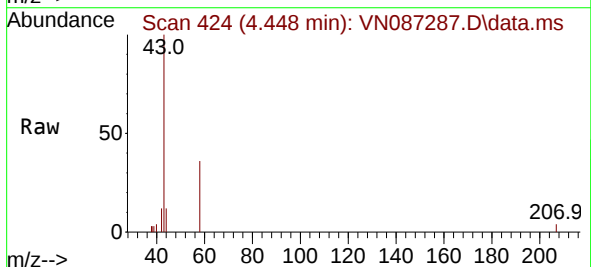
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

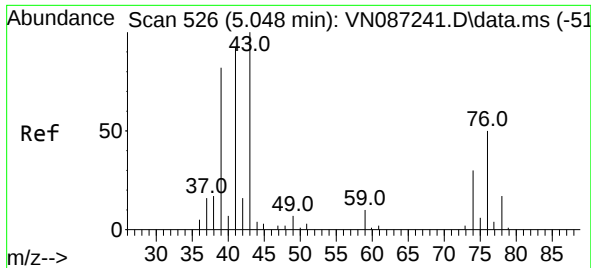
Tgt Ion:168 Resp: 178305
Ion Ratio Lower Upper
168 100
99 53.3 42.6 64.0



#16
Acetone
Concen: 25.864 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

Tgt Ion: 43 Resp: 22128
Ion Ratio Lower Upper
43 100
58 35.8 27.1 40.7

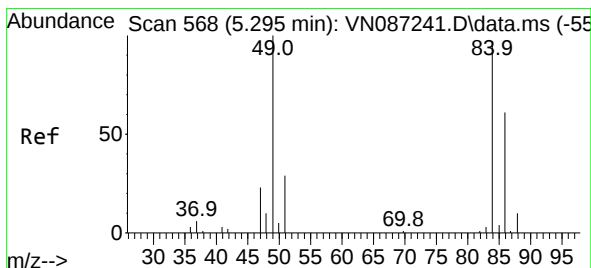
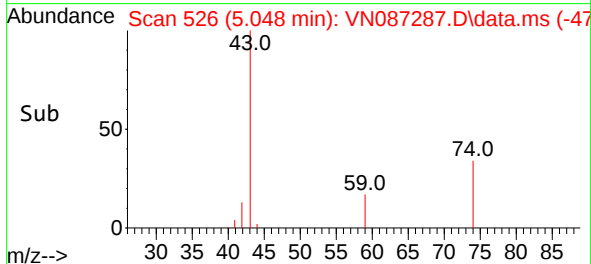
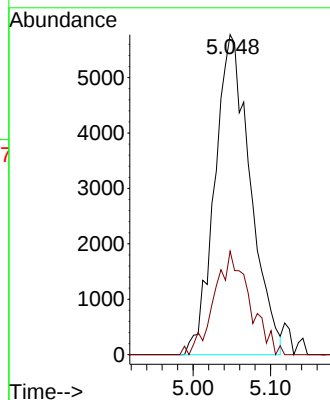
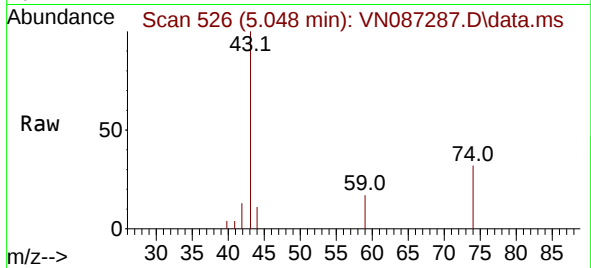




#18
Methyl Acetate
Concen: 9.385 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

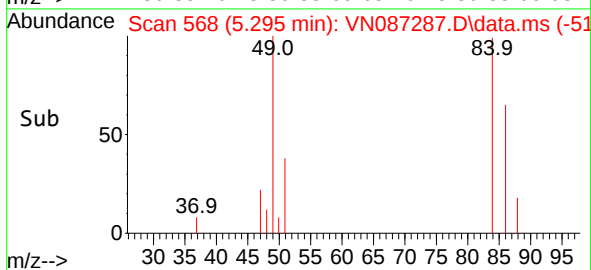
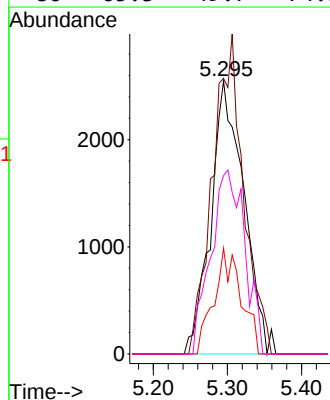
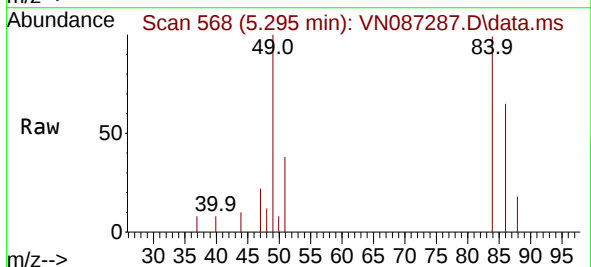
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

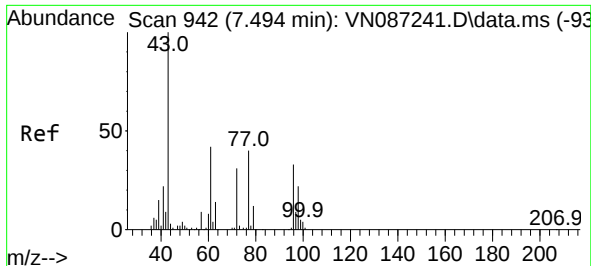
Tgt Ion: 43 Resp: 18381
Ion Ratio Lower Upper
43 100
74 32.2 23.8 35.6



#20
Methylene Chloride
Concen: 4.150 ug/l
RT: 5.295 min Scan# 568
Delta R.T. 0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

Tgt Ion: 84 Resp: 7866
Ion Ratio Lower Upper
84 100
49 100.8 82.1 123.1
51 38.7 23.5 35.3#
86 65.3 49.7 74.5

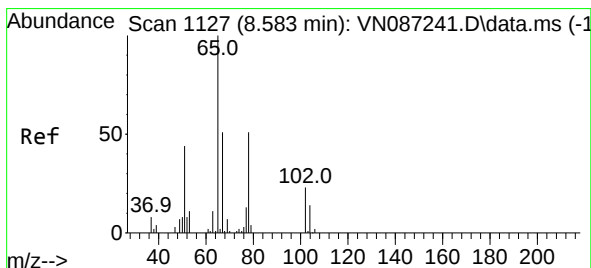
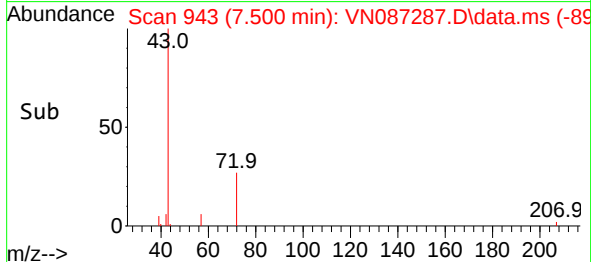
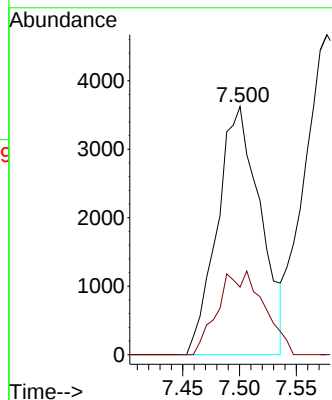
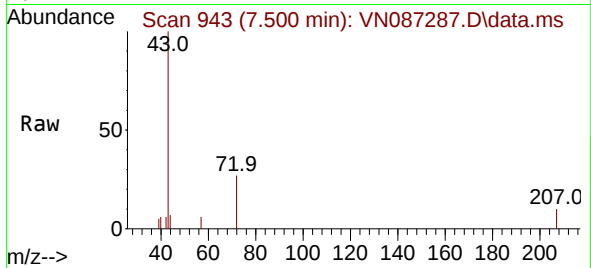




#25
2-Butanone
Concen: 7.173 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

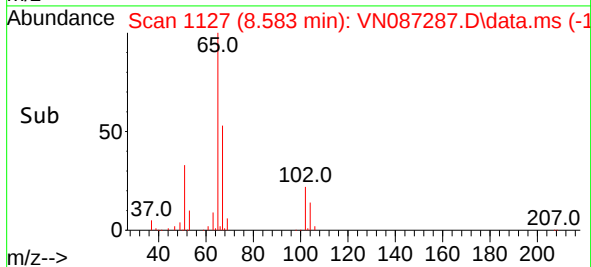
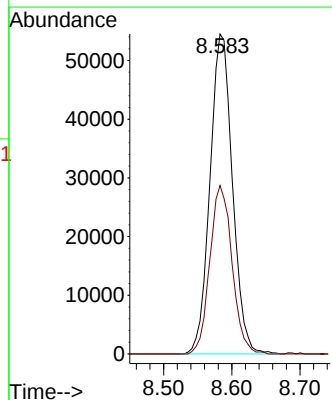
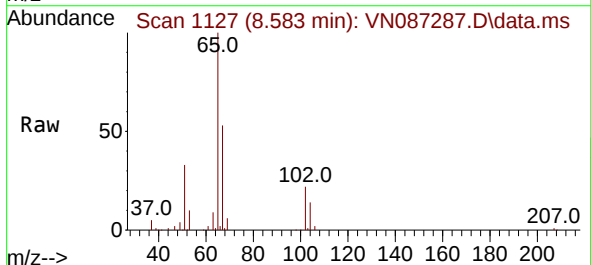
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

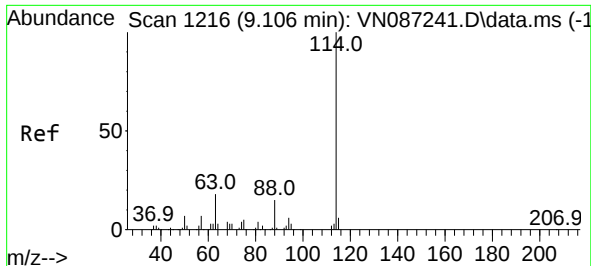
Tgt Ion: 43 Resp: 9591
Ion Ratio Lower Upper
43 100
72 27.2 24.8 37.2



#33
1,2-Dichloroethane-d4
Concen: 55.855 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

Tgt Ion: 65 Resp: 124994
Ion Ratio Lower Upper
65 100
67 52.1 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: VN087287.D

Acq: 07 Jul 2025 12:02

Instrument :

MSVOA_N

ClientSampleId :

G3(3)

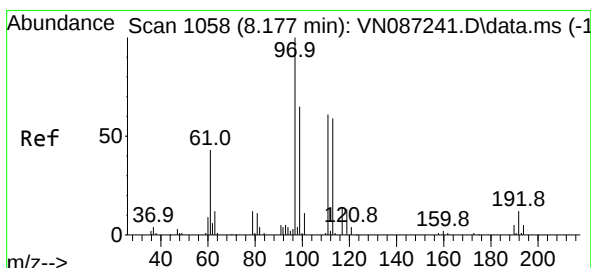
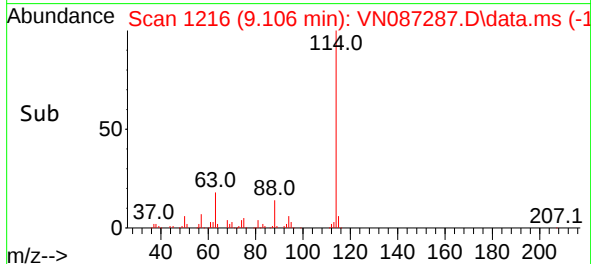
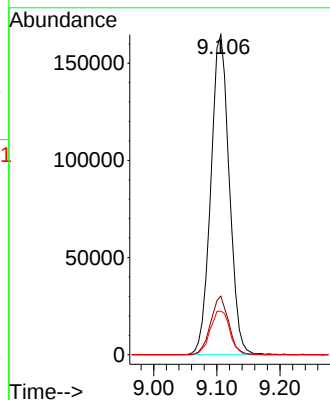
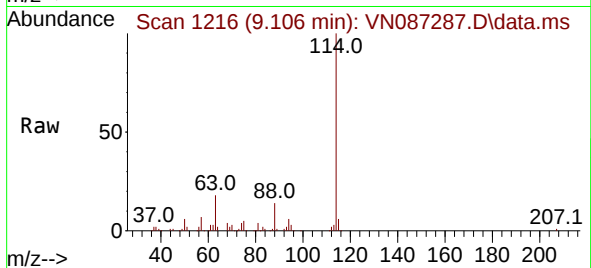
Tgt Ion:114 Resp: 333547

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.6

88 13.6 0.0 29.6



#35

Dibromofluoromethane

Concen: 52.416 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN087287.D

Acq: 07 Jul 2025 12:02

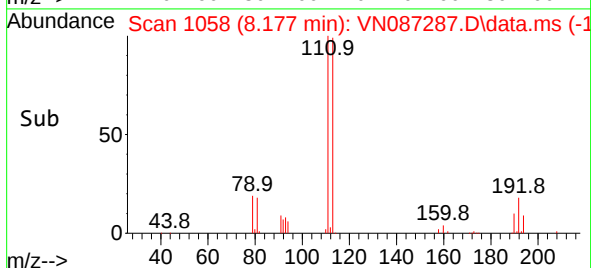
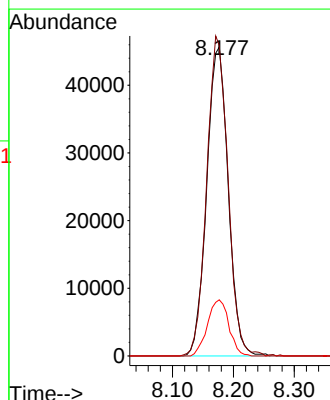
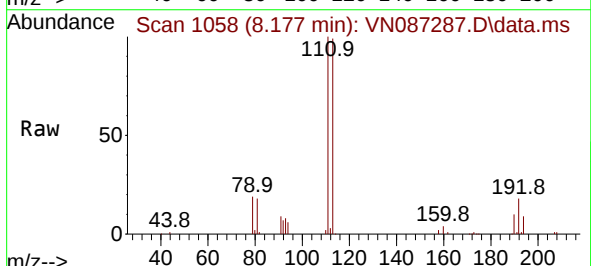
Tgt Ion:113 Resp: 111946

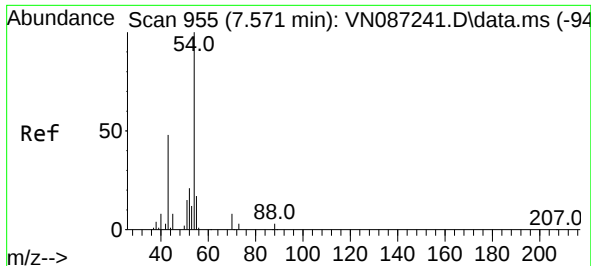
Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.2

192 18.1 15.1 22.7

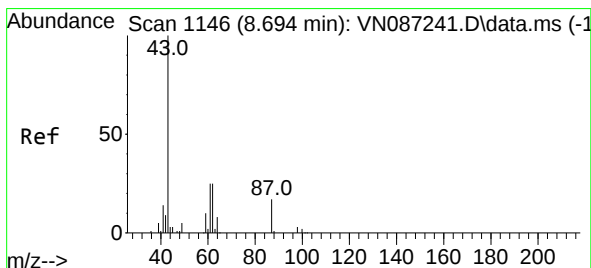
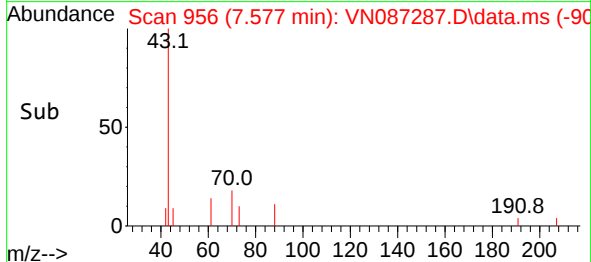
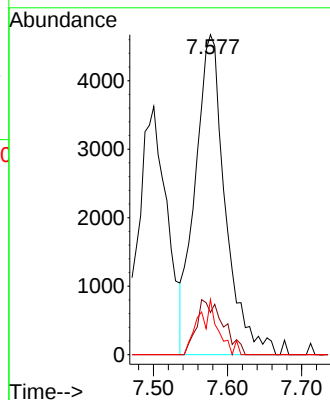
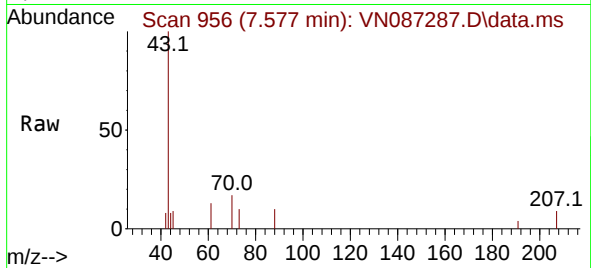




#37
Ethyl Acetate
Concen: 4.214 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

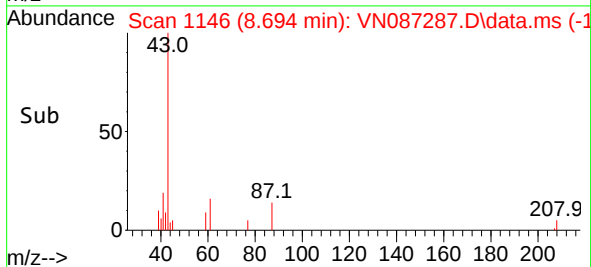
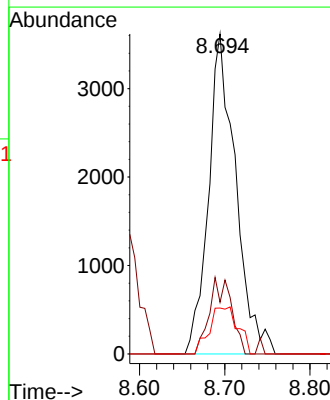
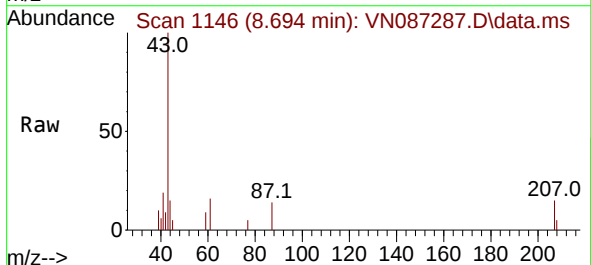
Instrument :
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G3(3)

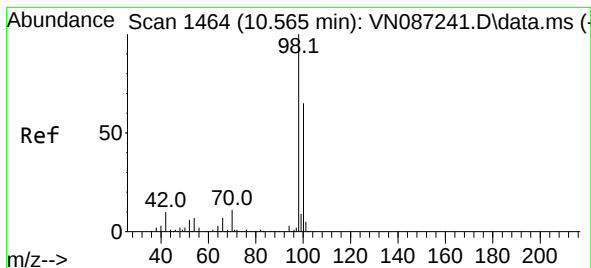
Tgt Ion: 43 Resp: 13156
Ion Ratio Lower Upper
43 100
61 15.3 11.3 16.9
70 5.5 9.9 14.9#



#43
Isopropyl Acetate
Concen: 1.651 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

Tgt Ion: 43 Resp: 7996
Ion Ratio Lower Upper
43 100
61 19.3 22.4 33.6#
87 15.4 12.8 19.2





#50

Toluene-d8

Concen: 49.939 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN087287.D

Acq: 07 Jul 2025 12:02

Instrument :

MSVOA_N

ClientSampleId :

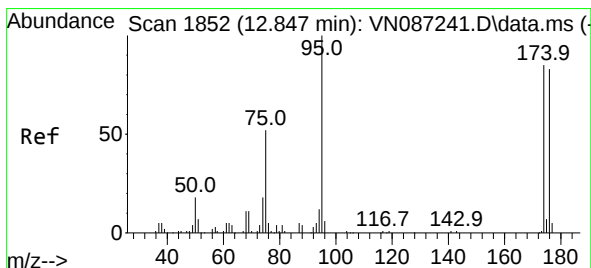
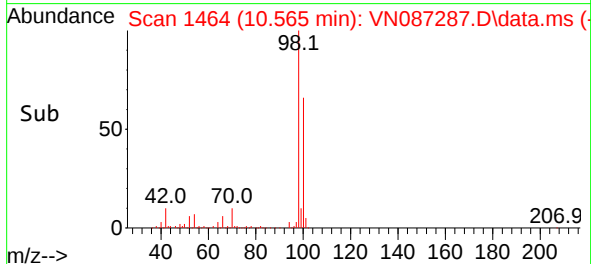
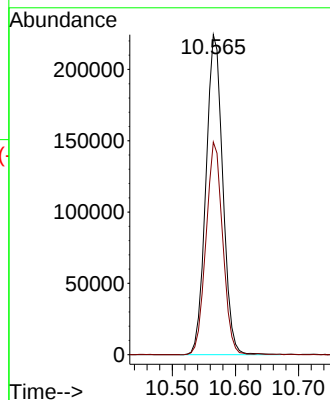
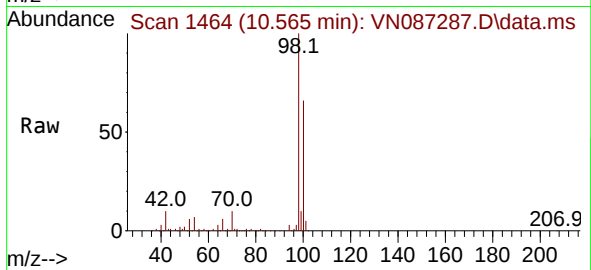
G3(3)

Tgt Ion: 98 Resp: 415727

Ion Ratio Lower Upper

98 100

100 65.8 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 46.478 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN087287.D

Acq: 07 Jul 2025 12:02

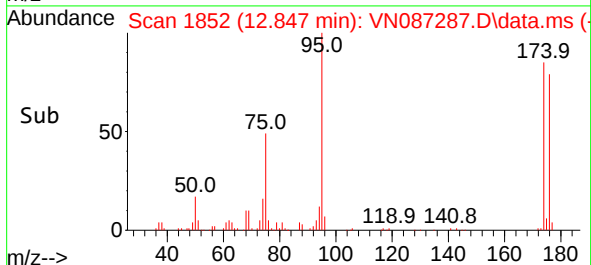
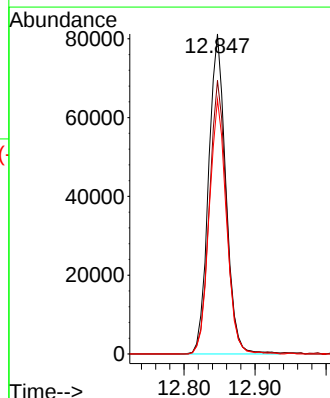
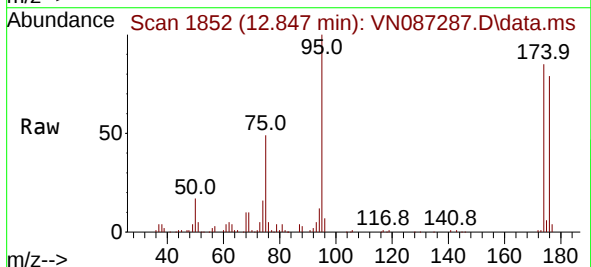
Tgt Ion: 95 Resp: 137665

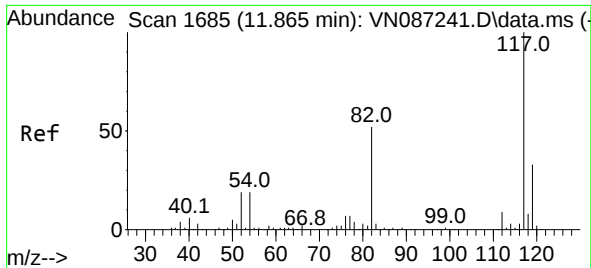
Ion Ratio Lower Upper

95 100

174 85.1 0.0 169.6

176 79.1 0.0 161.6

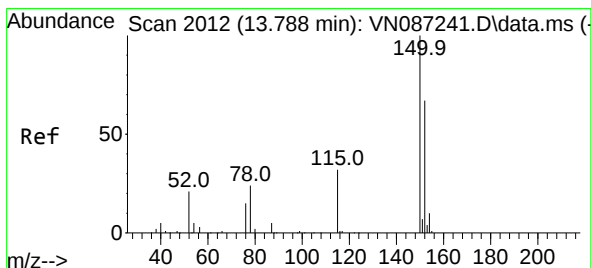
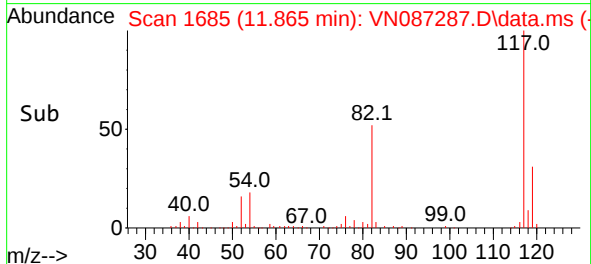
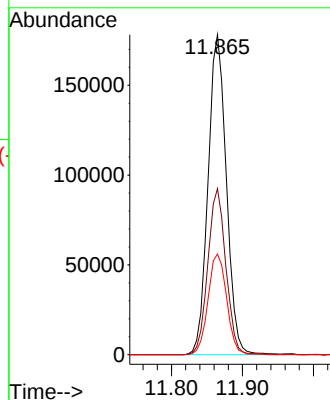
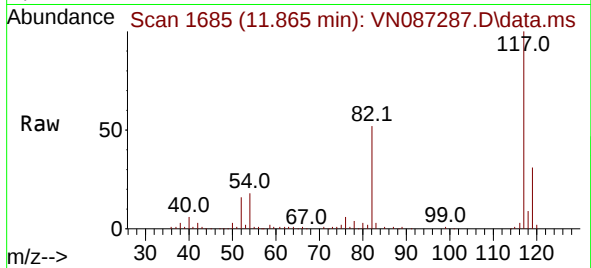




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

Instrument :
MSVOA_N
ClientSampleId :
G3(3)

Tgt Ion:117 Resp: 319292
Ion Ratio Lower Upper
117 100
82 51.9 41.9 62.9
119 31.5 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: VN087287.D
Acq: 07 Jul 2025 12:02

Tgt Ion:152 Resp: 147659
Ion Ratio Lower Upper
152 100
115 57.5 28.3 84.9
150 155.8 0.0 344.6

