

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
 Data File : VN087288.D
 Acq On : 07 Jul 2025 12:23
 Operator : JC\MD
 Sample : Q2487-21
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G2(2.5)

Quant Time: Jul 08 01:31:35 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)

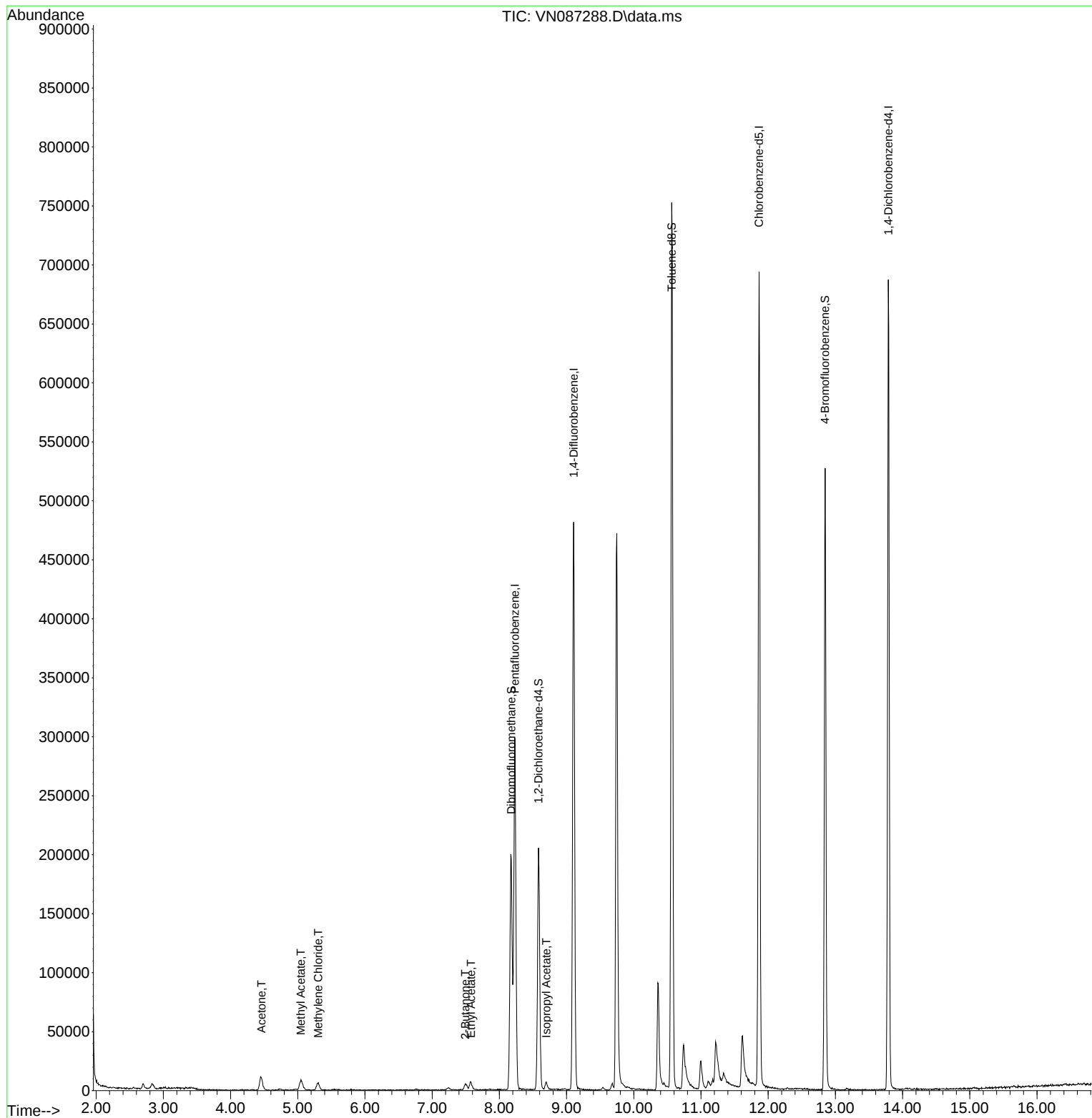
Internal Standards						
1) Pentafluorobenzene	8.229	168	229669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	438833	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	427268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	202126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	166739	57.846	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 115.700%		
35) Dibromofluoromethane	8.177	113	146425	52.111	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.220%		
50) Toluene-d8	10.565	98	546773	49.923	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 99.840%		
62) 4-Bromofluorobenzene	12.847	95	184835	47.431	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 94.860%		
Target Compounds						
						Qvalue
16) Acetone	4.459	43	22717	20.614	ug/l	95
18) Methyl Acetate	5.047	43	18711	7.417	ug/l	91
20) Methylene Chloride	5.306	84	5164	2.115	ug/l #	83
25) 2-Butanone	7.494	43	9574	5.559	ug/l #	85
37) Ethyl Acetate	7.577	43	10351	2.520	ug/l	96
43) Isopropyl Acetate	8.700	43	6928	1.088	ug/l #	77

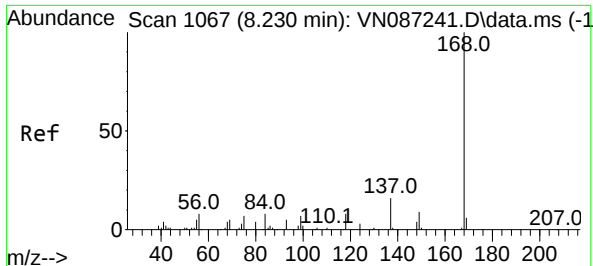
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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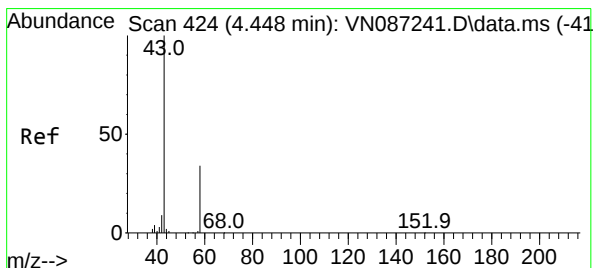
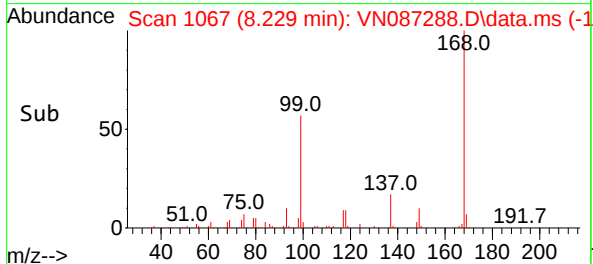
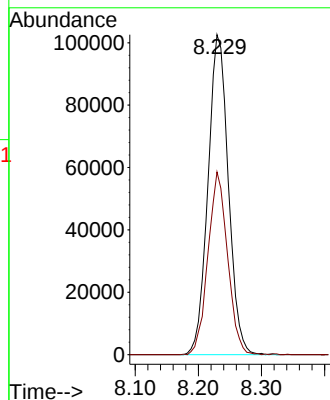
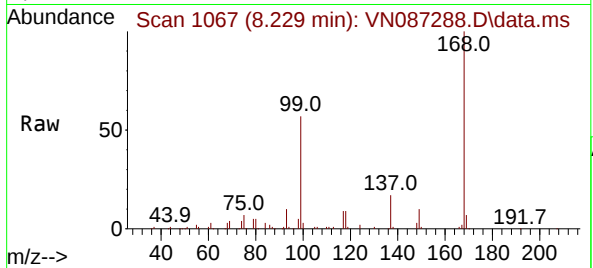




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

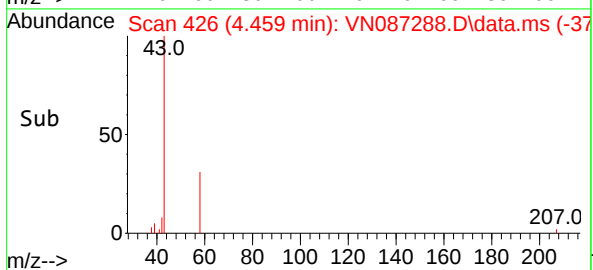
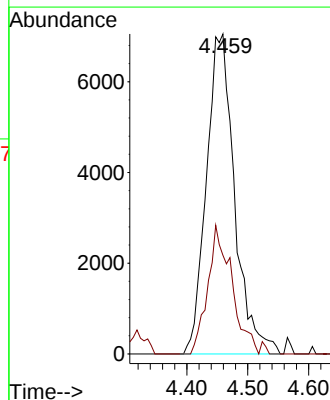
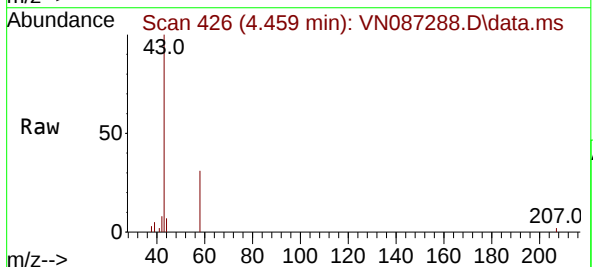
Instrument :
MSVOA_N
ClientSampleId :
G2(2.5)

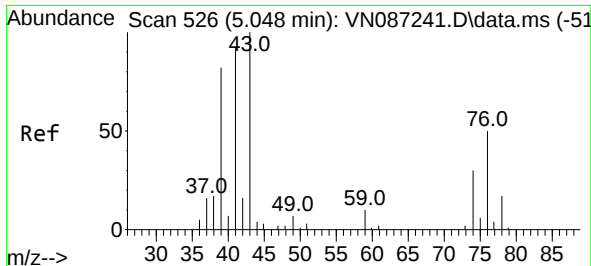
Tgt Ion:168 Resp: 229669
Ion Ratio Lower Upper
168 100
99 57.1 42.6 64.0



#16
Acetone
Concen: 20.614 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

Tgt Ion: 43 Resp: 22717
Ion Ratio Lower Upper
43 100
58 30.8 27.1 40.7

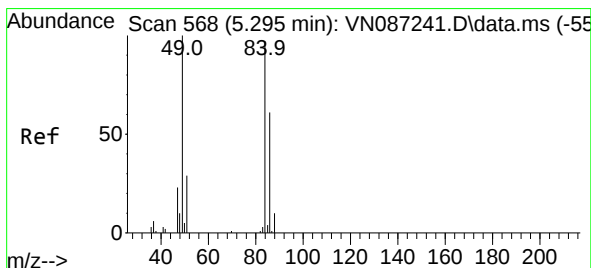
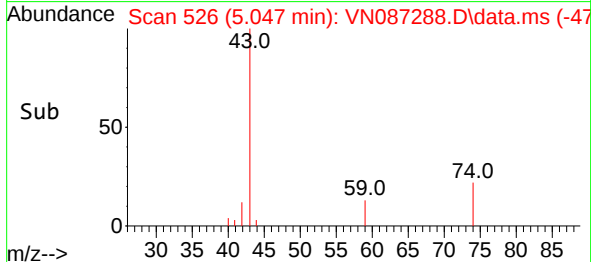
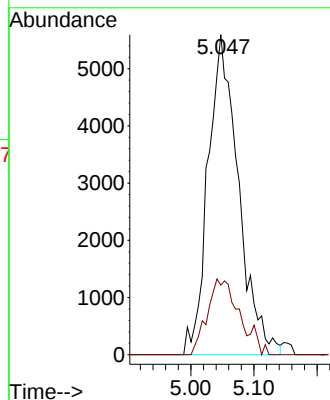
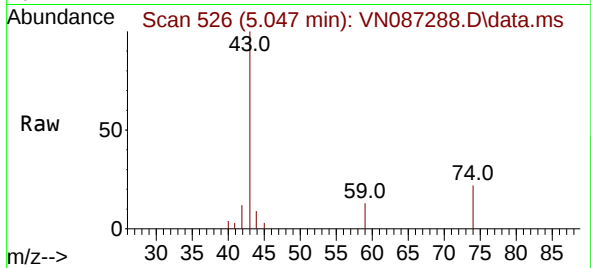




#18
Methyl Acetate
Concen: 7.417 ug/l
RT: 5.047 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

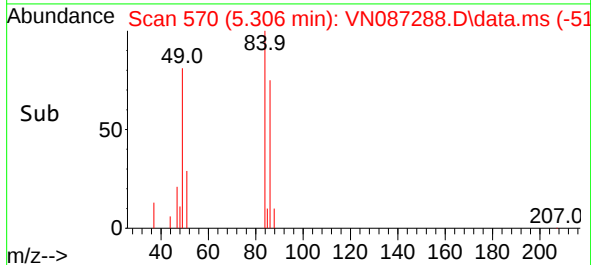
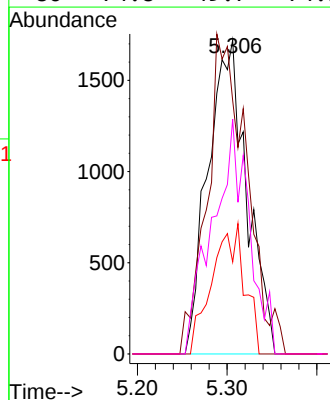
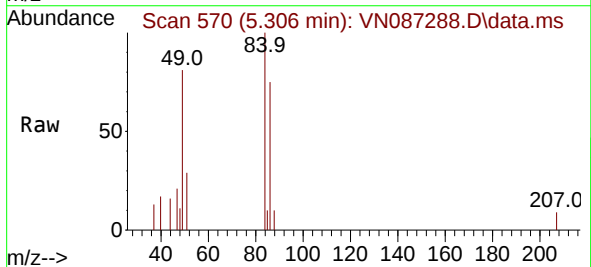
Instrument :
MSVOA_N
ClientSampleId :
G2(2.5)

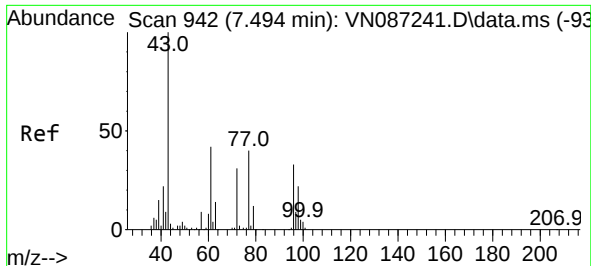
Tgt Ion: 43 Resp: 18711
Ion Ratio Lower Upper
43 100
74 25.1 23.8 35.6



#20
Methylene Chloride
Concen: 2.115 ug/l
RT: 5.306 min Scan# 570
Delta R.T. 0.012 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

Tgt Ion: 84 Resp: 5164
Ion Ratio Lower Upper
84 100
49 80.7 82.1 123.1#
51 29.3 23.5 35.3
86 74.8 49.7 74.5#

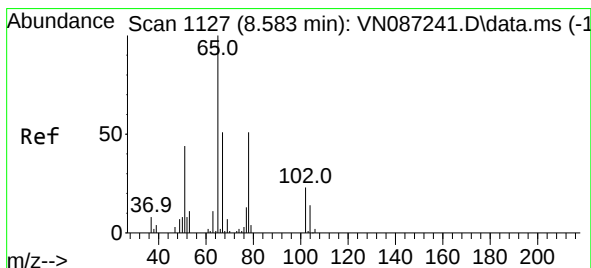
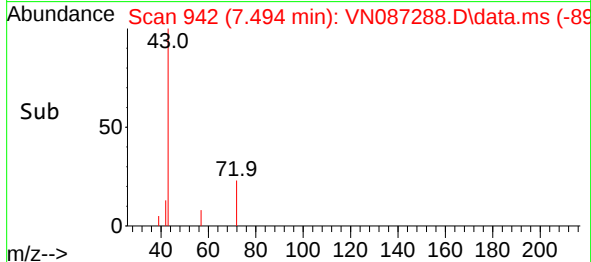
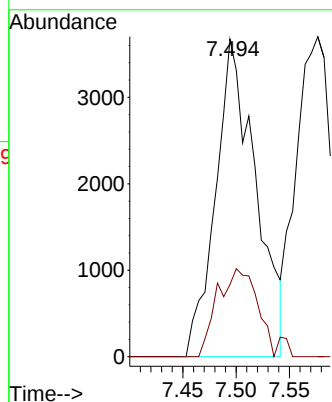
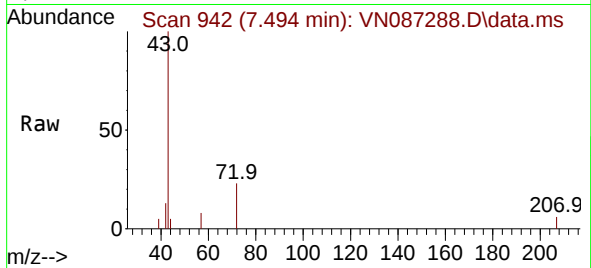




#25
2-Butanone
Concen: 5.559 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

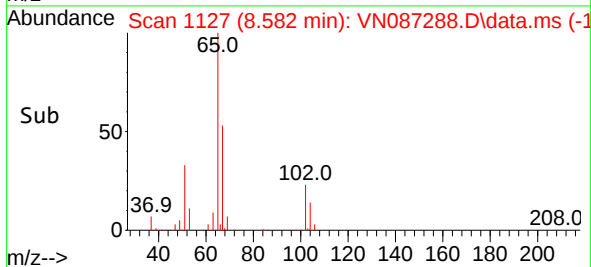
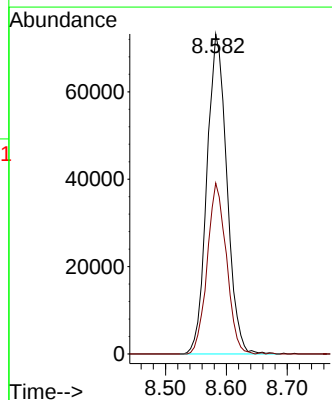
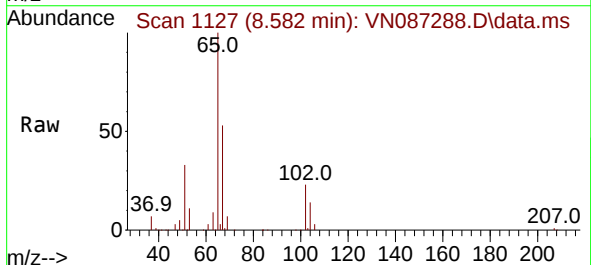
Instrument :
MSVOA_N
ClientSampleId :
G2(2.5)

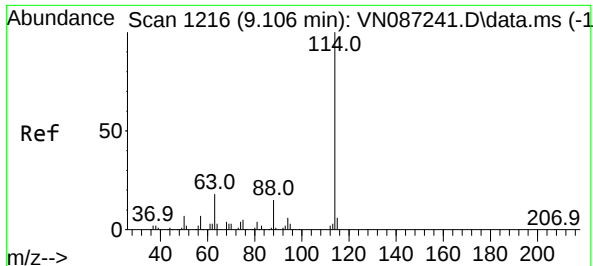
Tgt Ion: 43 Resp: 9574
Ion Ratio Lower Upper
43 100
72 22.7 24.8 37.2#



#33
1,2-Dichloroethane-d4
Concen: 57.846 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

Tgt Ion: 65 Resp: 166739
Ion Ratio Lower Upper
65 100
67 51.3 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: VN087288.D

Acq: 07 Jul 2025 12:23

Instrument :

MSVOA_N

ClientSampleId :

G2(2.5)

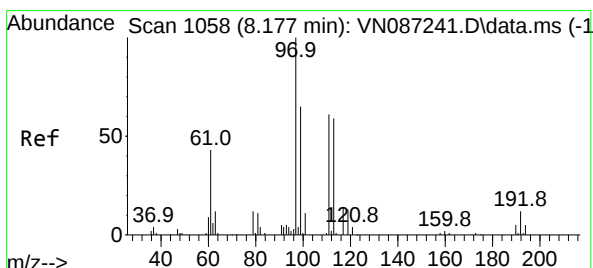
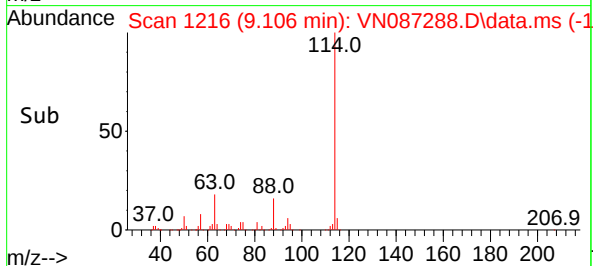
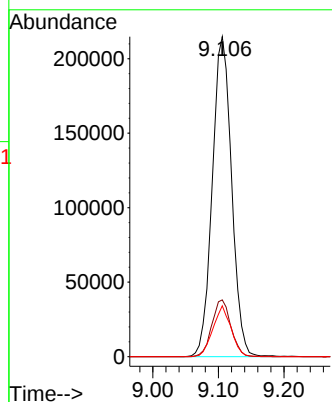
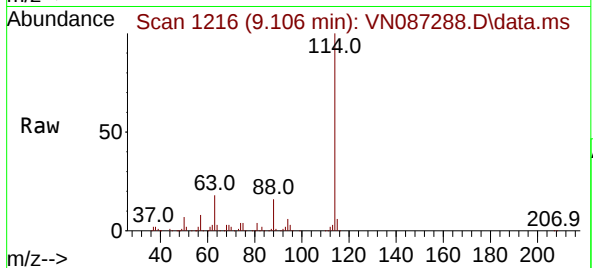
Tgt Ion:114 Resp: 438833

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.6

88 15.9 0.0 29.6



#35

Dibromofluoromethane

Concen: 52.111 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN087288.D

Acq: 07 Jul 2025 12:23

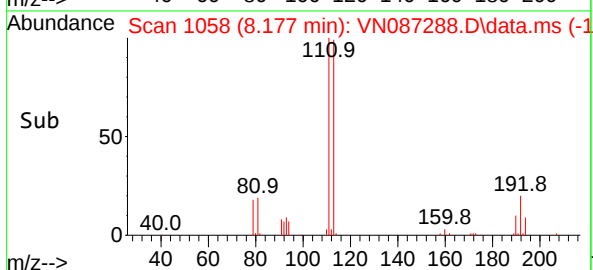
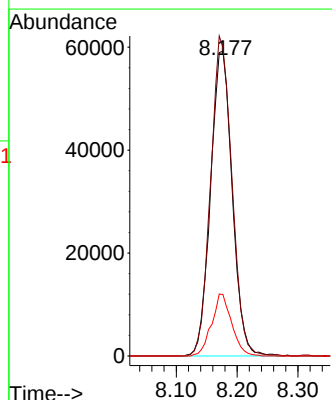
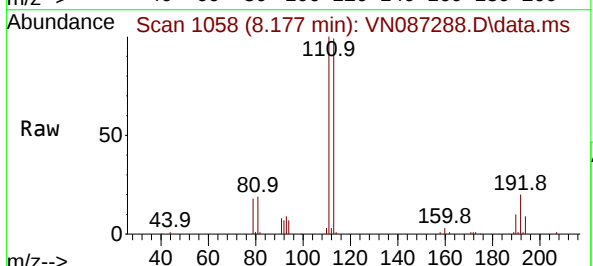
Tgt Ion:113 Resp: 146425

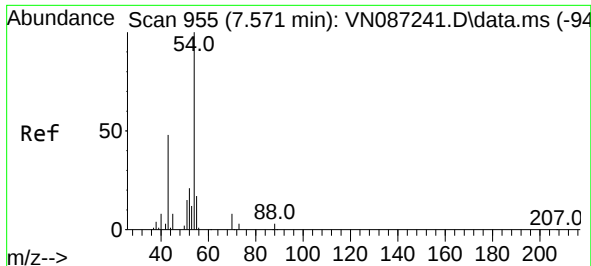
Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.2

192 18.8 15.1 22.7

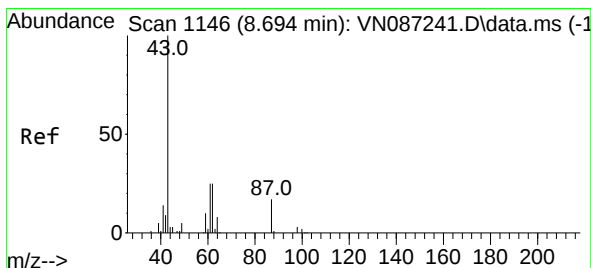
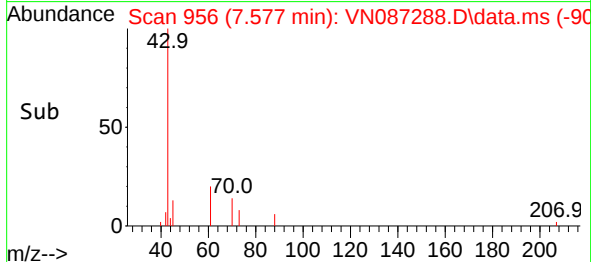
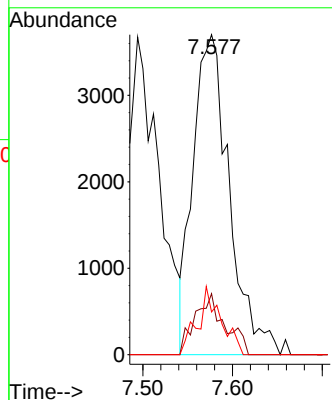
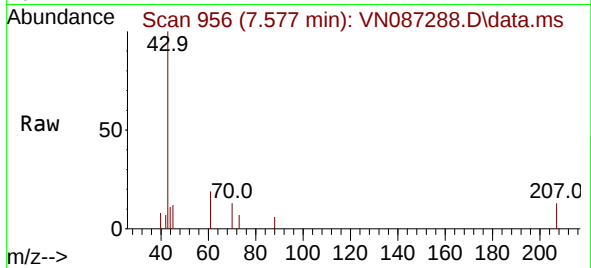




#37
Ethyl Acetate
Concen: 2.520 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

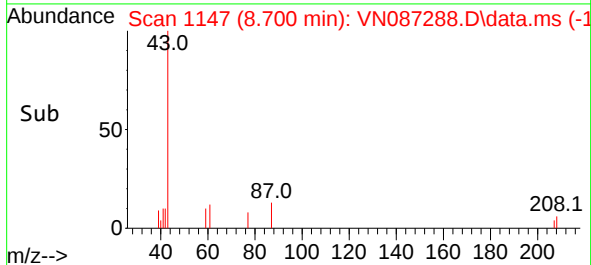
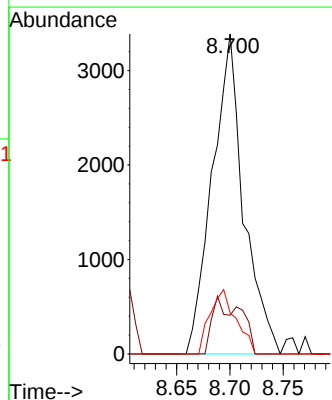
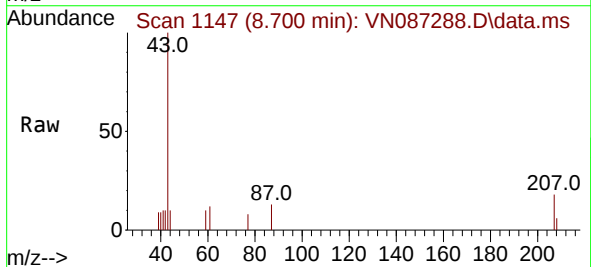
Instrument :
MSVOA_N
ClientSampleId :
G2(2.5)

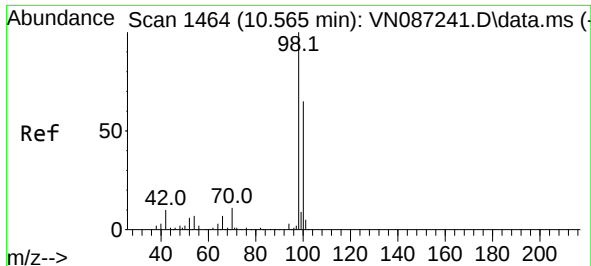
Tgt Ion: 43 Resp: 10351
Ion Ratio Lower Upper
43 100
61 15.8 11.3 16.9
70 13.7 9.9 14.9



#43
Isopropyl Acetate
Concen: 1.088 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

Tgt Ion: 43 Resp: 6928
Ion Ratio Lower Upper
43 100
61 9.2 22.4 33.6#
87 16.7 12.8 19.2

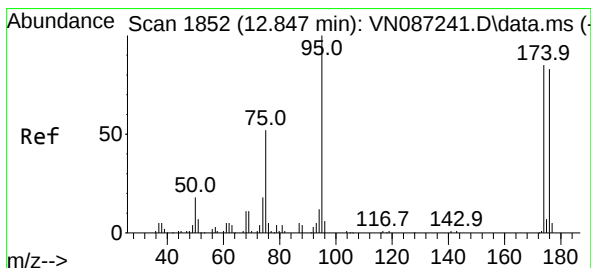
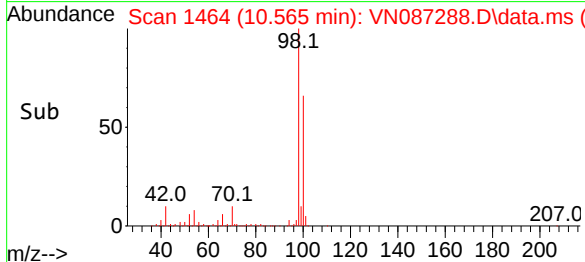
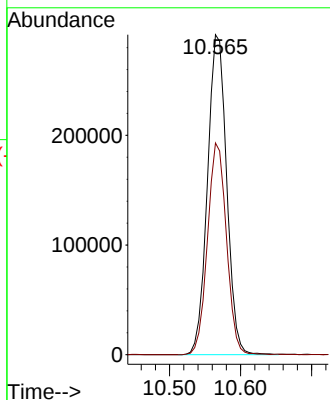
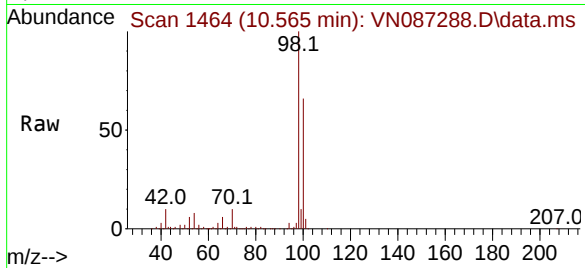




#50
Toluene-d8
Concen: 49.923 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

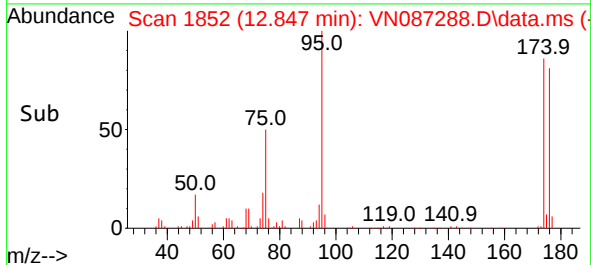
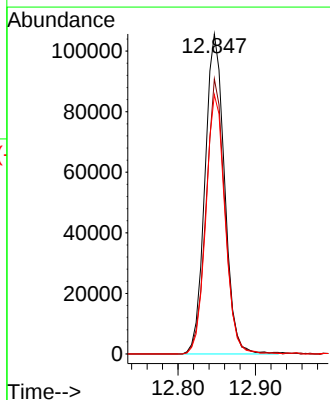
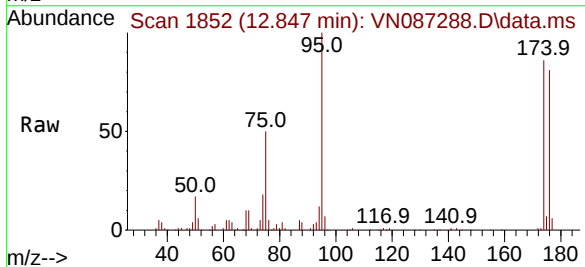
Instrument :
MSVOA_N
ClientSampleId :
G2(2.5)

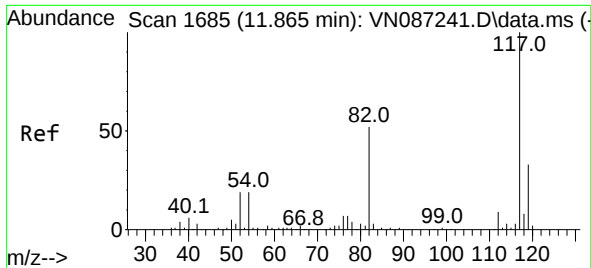
Tgt Ion: 98 Resp: 546773
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.431 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

Tgt Ion: 95 Resp: 184835
Ion Ratio Lower Upper
95 100
174 83.3 0.0 169.6
176 79.4 0.0 161.6

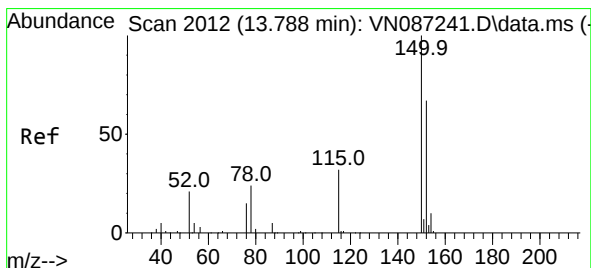
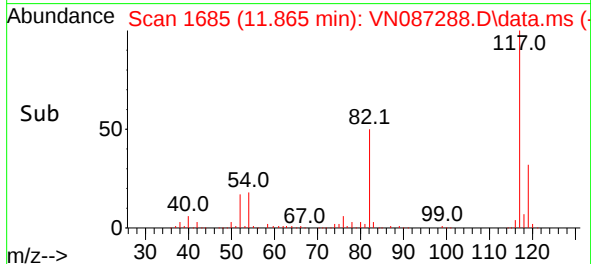
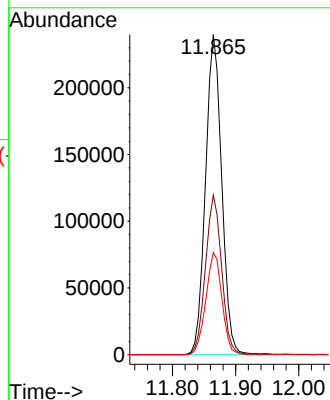
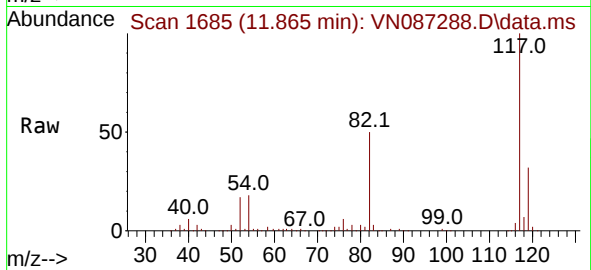




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

Instrument :
MSVOA_N
ClientSampleId :
G2(2.5)

Tgt Ion:117 Resp: 427268
Ion Ratio Lower Upper
117 100
82 49.8 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: VN087288.D
Acq: 07 Jul 2025 12:23

Tgt Ion:152 Resp: 202126
Ion Ratio Lower Upper
152 100
115 57.3 28.3 84.9
150 156.4 0.0 344.6

