

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087270.D
 Acq On : 03 Jul 2025 14:45
 Operator : JC\MD
 Sample : Q2487-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G3(3)

Quant Time: Jul 04 02:35:37 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)

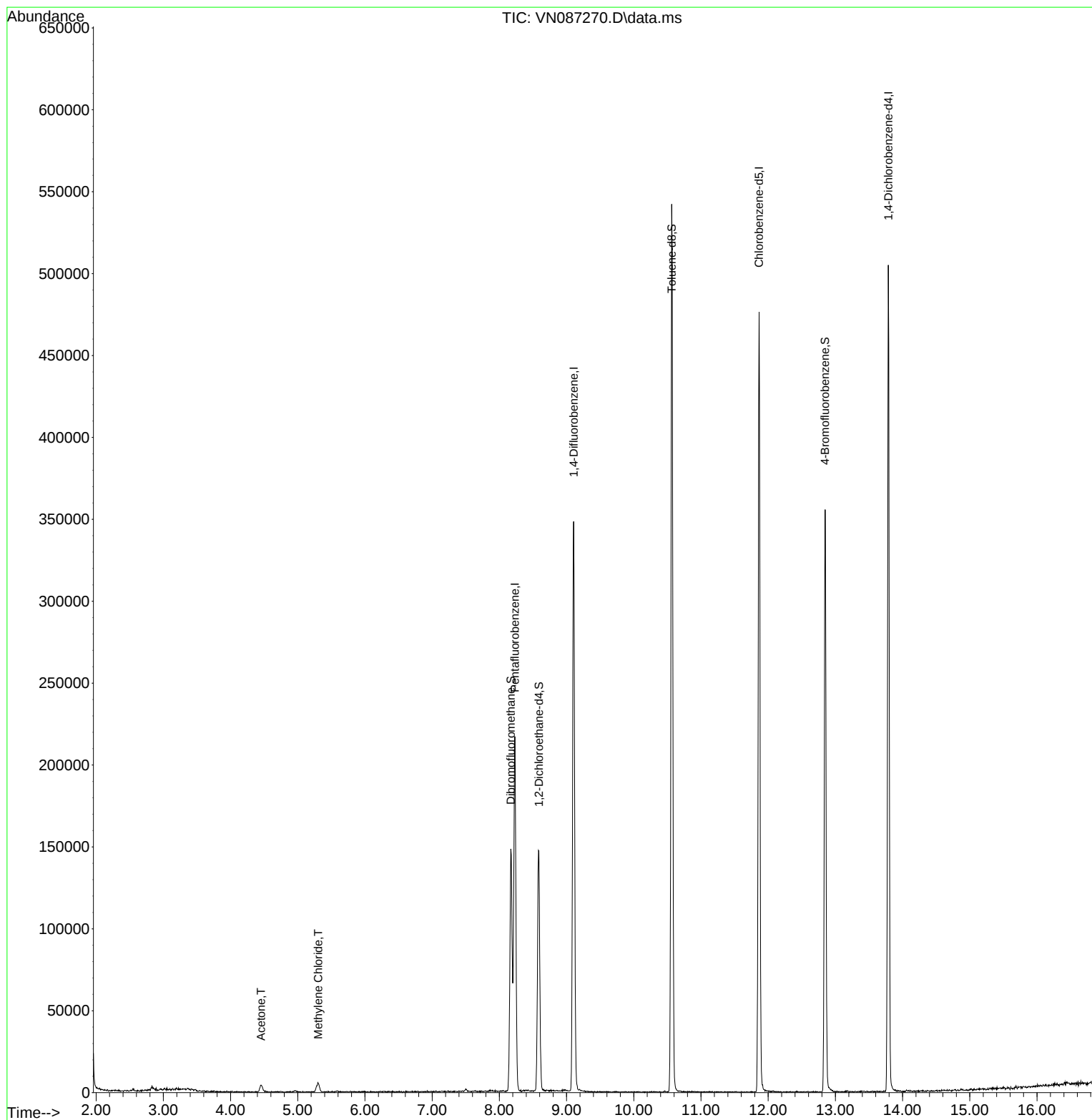
Internal Standards						
1) Pentafluorobenzene	8.230	168	168893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	316789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	296355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	144966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	123179	58.111	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.220%
35) Dibromofluoromethane	8.171	113	109091	53.781	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.560%
50) Toluene-d8	10.565	98	391228	49.482	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.960%
62) 4-Bromofluorobenzene	12.847	95	129222	45.935	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.860%
Target Compounds						
						Qvalue
16) Acetone	4.453	43	8244	10.173	ug/l	95
20) Methylene Chloride	5.306	84	4930	2.746	ug/l #	89

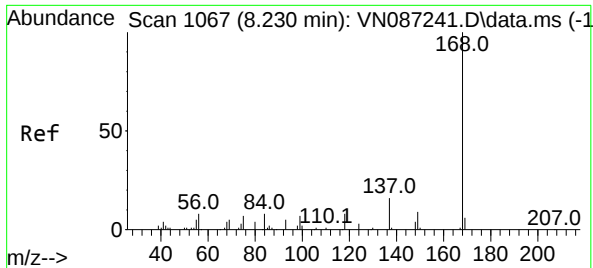
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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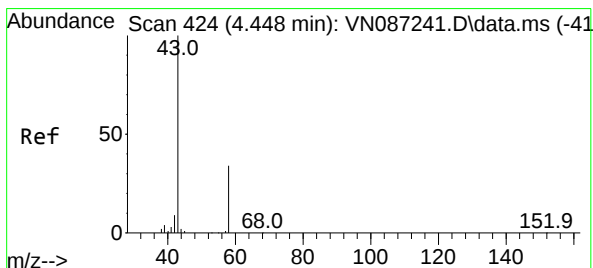
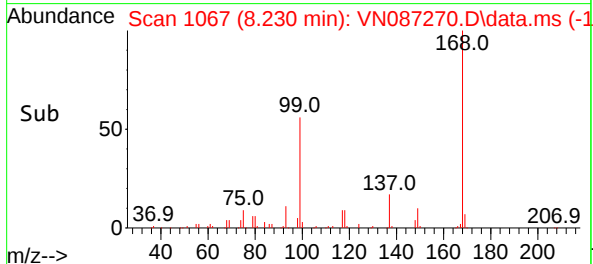
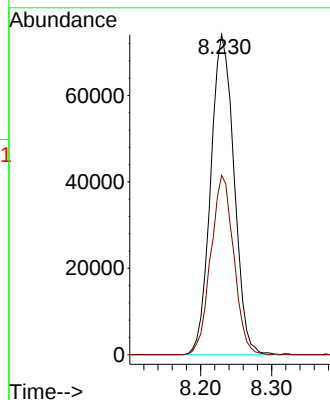
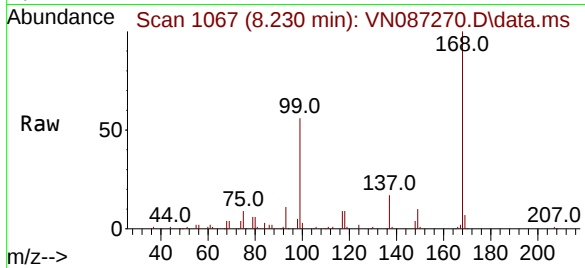




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087270.D
Acq: 03 Jul 2025 14:45

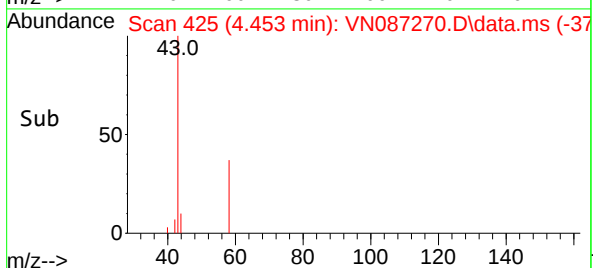
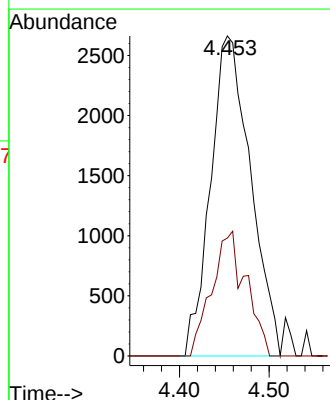
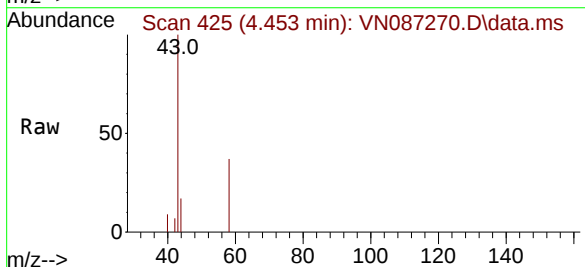
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

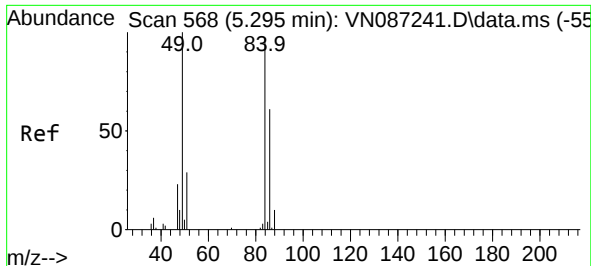
Tgt Ion:168 Resp: 168893
Ion Ratio Lower Upper
168 100
99 56.0 42.6 64.0



#16
Acetone
Concen: 10.173 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087270.D
Acq: 03 Jul 2025 14:45

Tgt Ion: 43 Resp: 8244
Ion Ratio Lower Upper
43 100
58 36.9 27.1 40.7

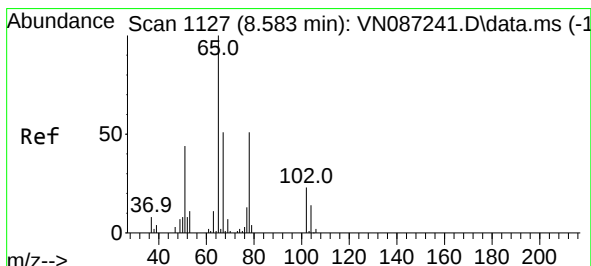
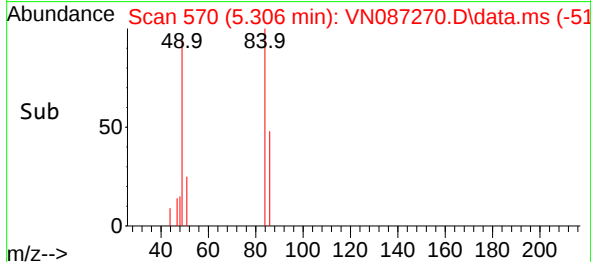
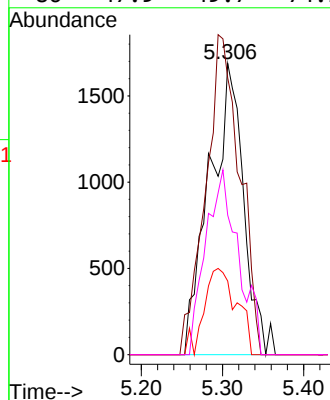
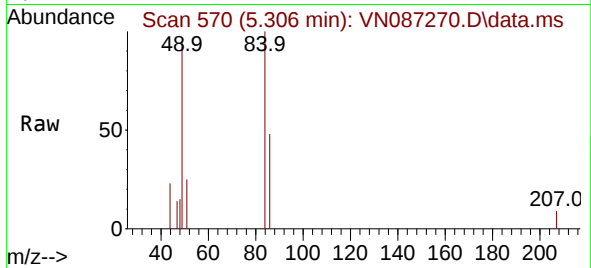




#20
Methylene Chloride
Concen: 2.746 ug/l
RT: 5.306 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087270.D
Acq: 03 Jul 2025 14:45

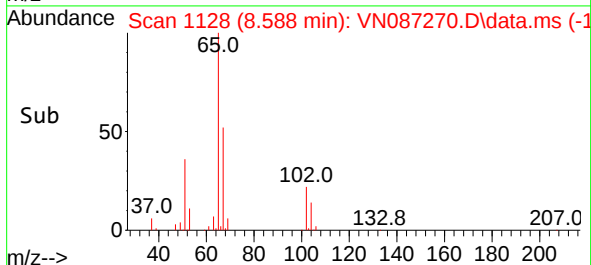
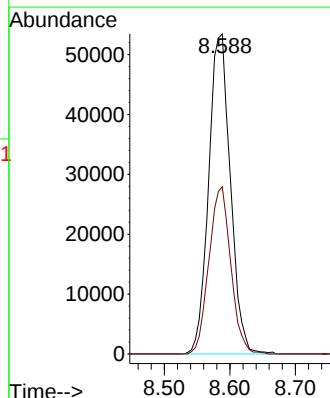
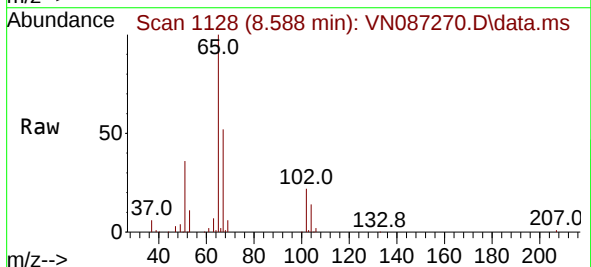
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

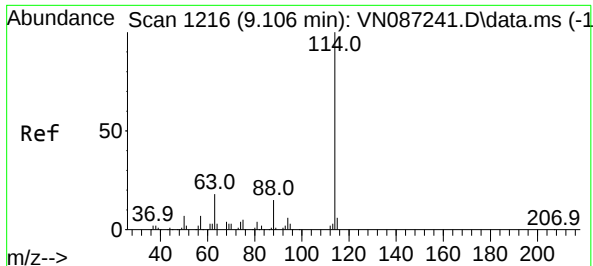
Tgt Ion:	84	Resp:	4930
Ion	Ratio	Lower	Upper
84	100		
49	95.1	82.1	123.1
51	25.2	23.5	35.3
86	47.9	49.7	74.5#



#33
1,2-Dichloroethane-d4
Concen: 58.111 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN087270.D
Acq: 03 Jul 2025 14:45

Tgt Ion:	65	Resp:	123179
Ion	Ratio	Lower	Upper
65	100		
67	52.4	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: VN087270.D

Acq: 03 Jul 2025 14:45

Instrument :

MSVOA_N

ClientSampleId :

G3(3)

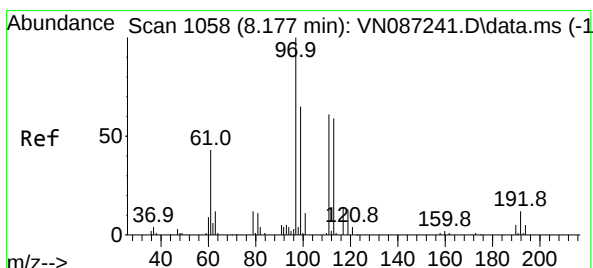
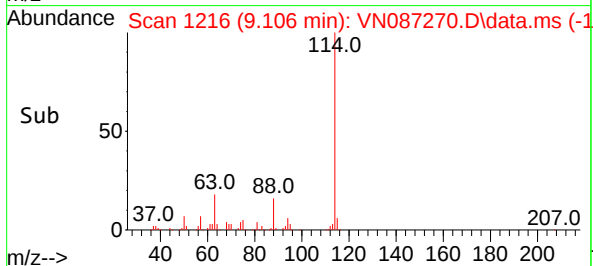
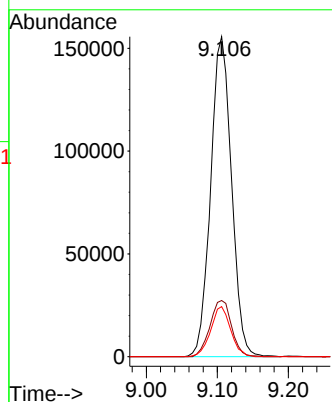
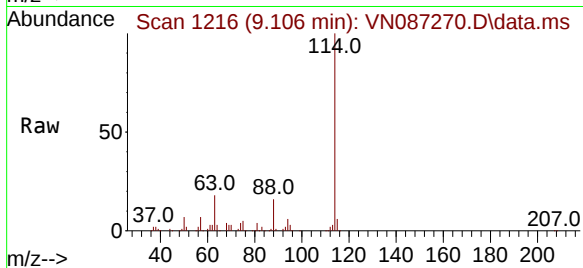
Tgt Ion:114 Resp: 316789

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.6

88 15.6 0.0 29.6



#35

Dibromofluoromethane

Concen: 53.781 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN087270.D

Acq: 03 Jul 2025 14:45

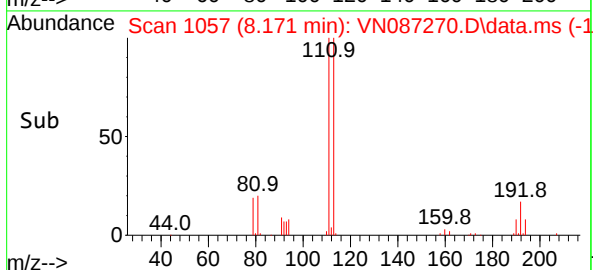
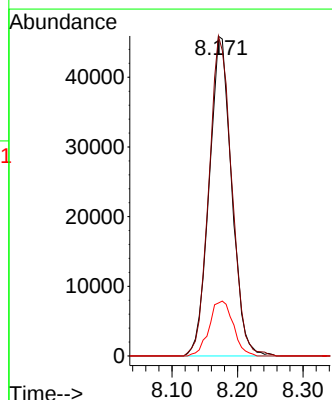
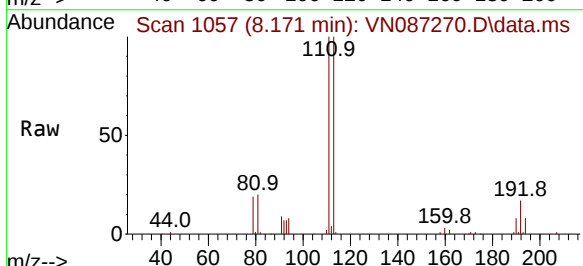
Tgt Ion:113 Resp: 109091

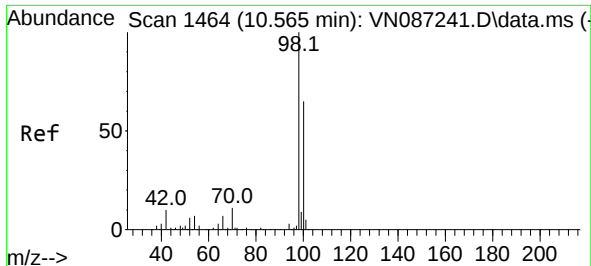
Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.2

192 18.4 15.1 22.7

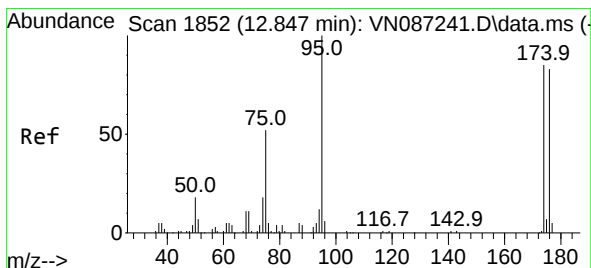
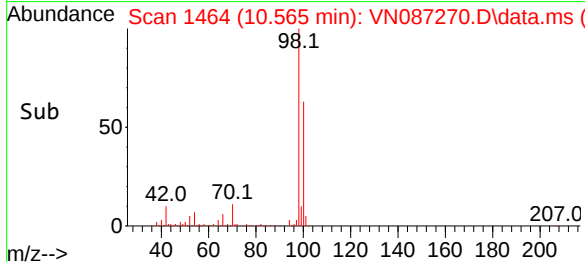
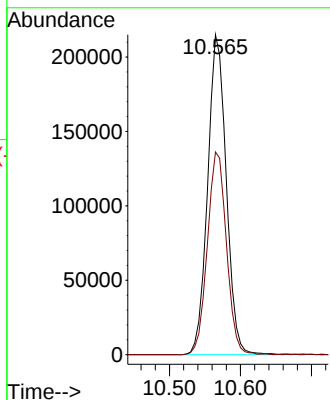
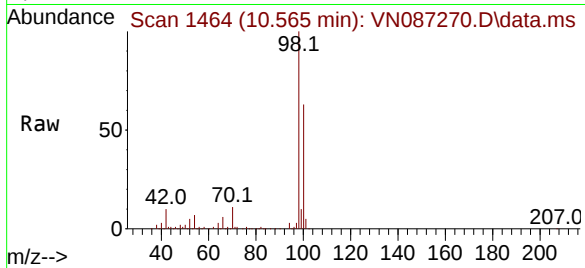




#50
Toluene-d8
Concen: 49.482 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087270.D
Acq: 03 Jul 2025 14:45

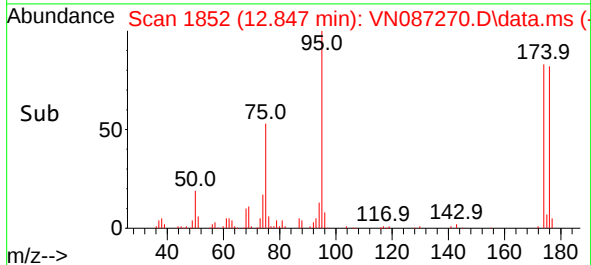
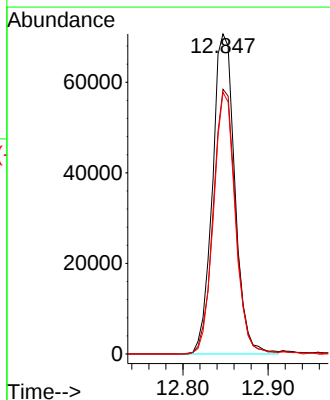
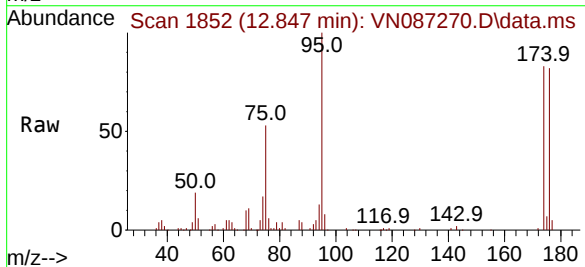
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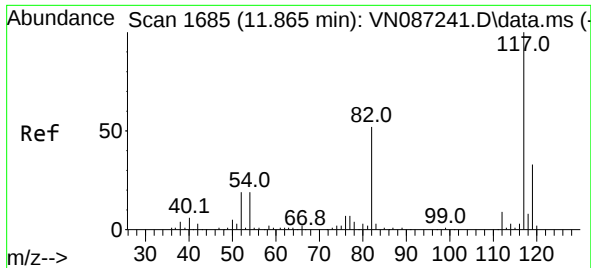
Tgt Ion: 98 Resp: 391228
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.935 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087270.D
Acq: 03 Jul 2025 14:45

Tgt Ion: 95 Resp: 129222
Ion Ratio Lower Upper
95 100
174 82.1 0.0 169.6
176 79.3 0.0 161.6

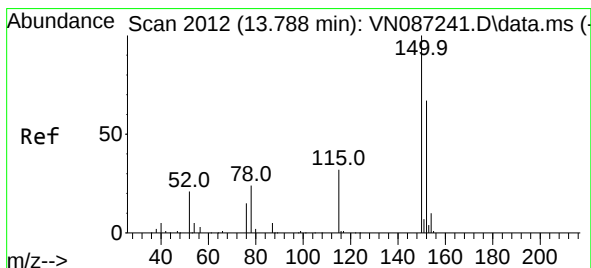
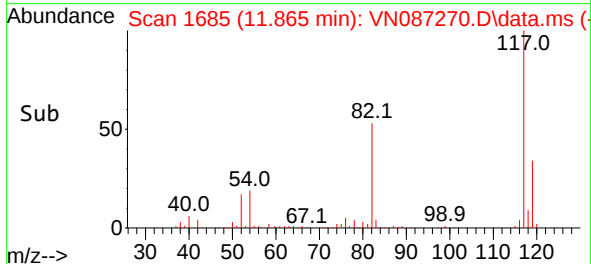
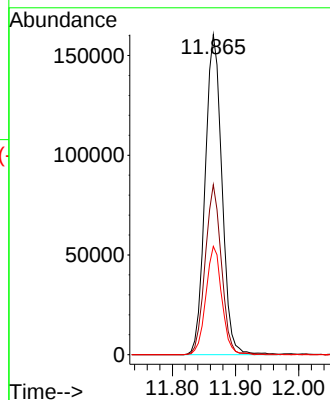
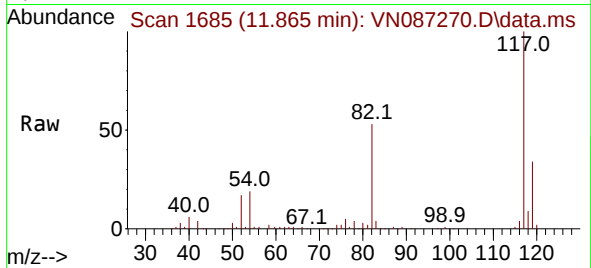




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087270.D
Acq: 03 Jul 2025 14:45

Instrument :
MSVOA_N
ClientSampleId :
G3(3)

Tgt Ion:117 Resp: 296355
Ion Ratio Lower Upper
117 100
82 53.1 41.9 62.9
119 33.8 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: VN087270.D
Acq: 03 Jul 2025 14:45

Tgt Ion:152 Resp: 144966
Ion Ratio Lower Upper
152 100
115 57.7 28.3 84.9
150 159.3 0.0 344.6

