

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087273.D
 Acq On : 03 Jul 2025 15:49
 Operator : JC\MD
 Sample : Q2487-23
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G1(10)

Quant Time: Jul 04 02:39:12 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)

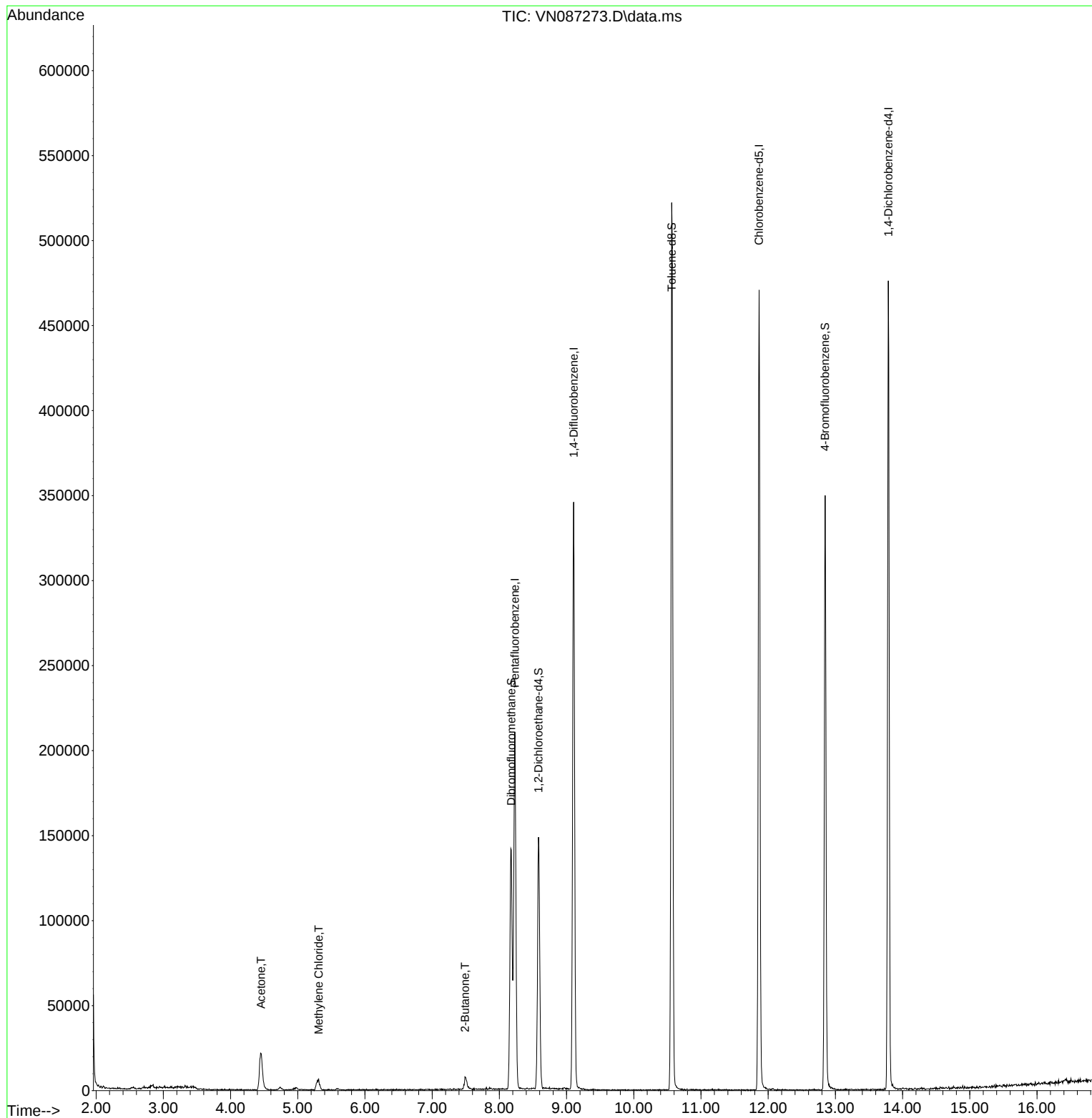
Internal Standards						
1) Pentafluorobenzene	8.230	168	163586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	312509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	289305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	121959	59.402	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	118.800%
35) Dibromofluoromethane	8.177	113	106346	53.146	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.300%
50) Toluene-d8	10.565	98	375537	48.148	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.300%
62) 4-Bromofluorobenzene	12.847	95	125049	45.060	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.120%
Target Compounds						
						Qvalue
16) Acetone	4.453	43	44421	56.592	ug/l	100
20) Methylene Chloride	5.312	84	5436	3.126	ug/l #	96
25) 2-Butanone	7.488	43	12800	10.435	ug/l	98

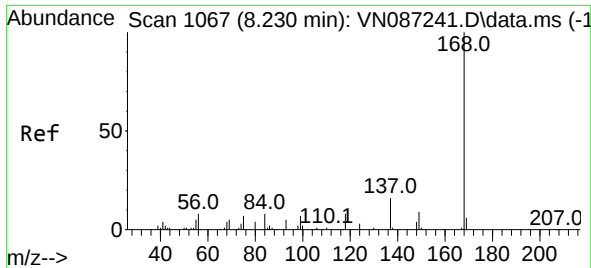
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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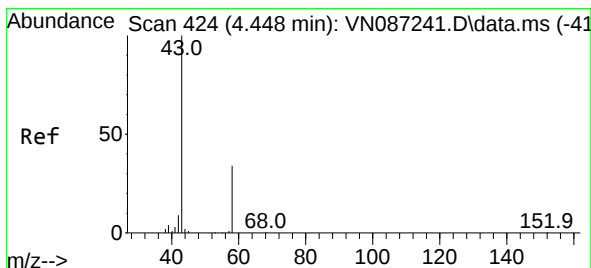
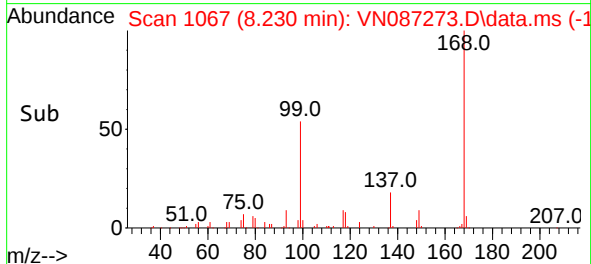
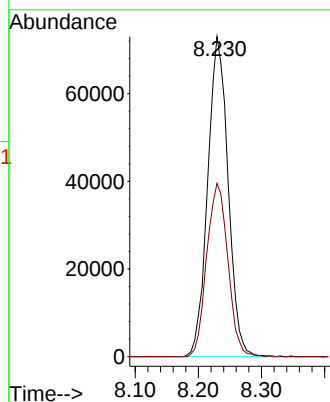
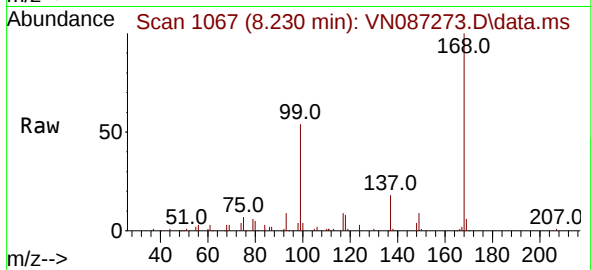




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

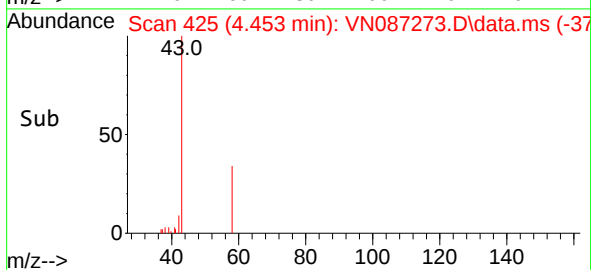
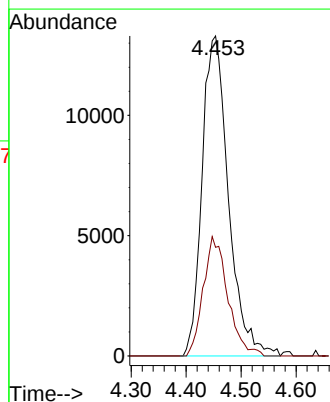
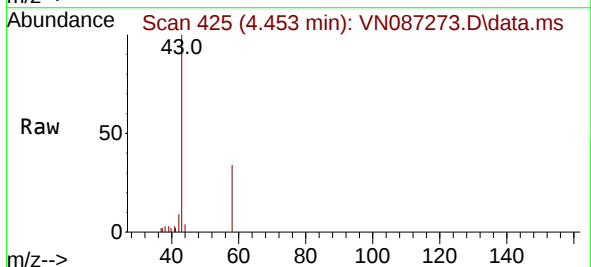
Instrument :
MSVOA_N
ClientSampleId :
G1(10)

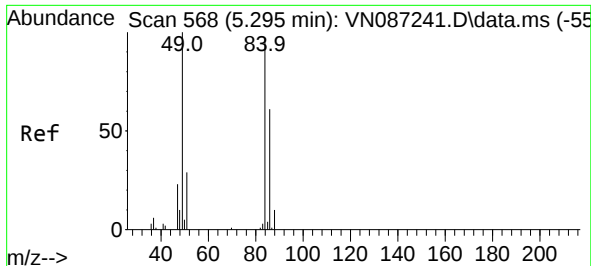
Tgt Ion:168 Resp: 163586
Ion Ratio Lower Upper
168 100
99 54.1 42.6 64.0



#16
Acetone
Concen: 56.592 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

Tgt Ion: 43 Resp: 44421
Ion Ratio Lower Upper
43 100
58 34.0 27.1 40.7

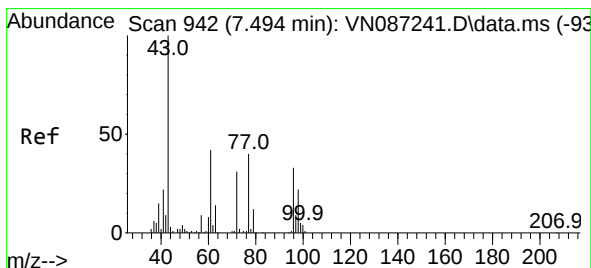
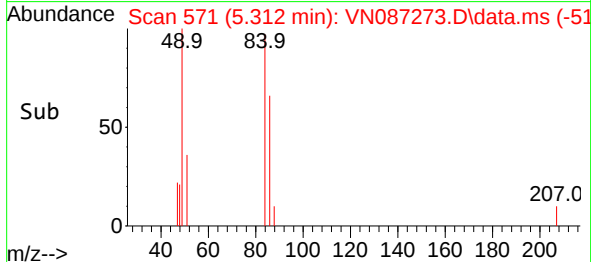
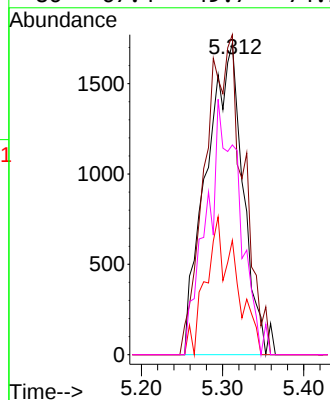
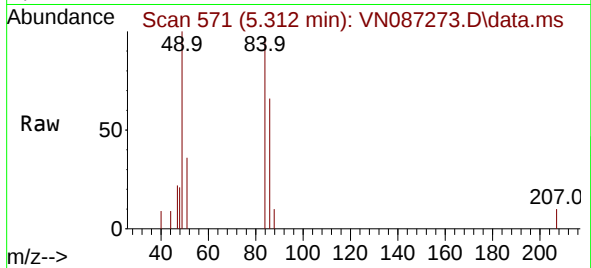




#20
Methylene Chloride
Concen: 3.126 ug/l
RT: 5.312 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

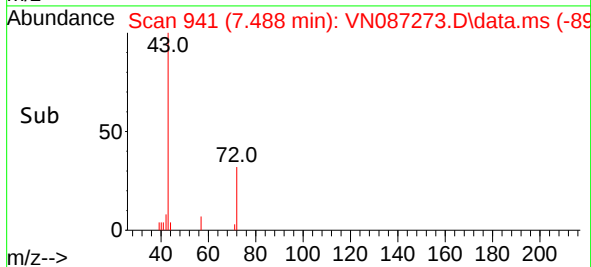
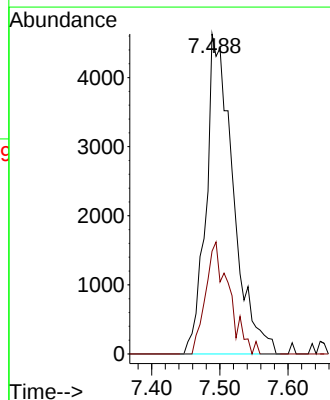
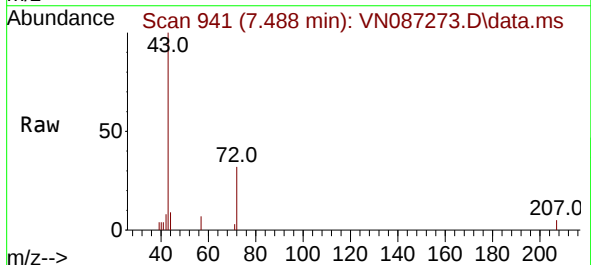
Instrument :
MSVOA_N
ClientSampleId :
G1(10)

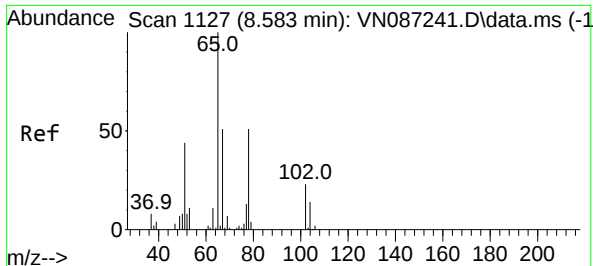
Tgt Ion:	84	Resp:	5436
Ion	Ratio	Lower	Upper
84	100		
49	102.8	82.1	123.1
51	36.7	23.5	35.3#
86	67.4	49.7	74.5



#25
2-Butanone
Concen: 10.435 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

Tgt Ion:	43	Resp:	12800
Ion	Ratio	Lower	Upper
43	100		
72	32.1	24.8	37.2





#33

1,2-Dichloroethane-d4

Concen: 59.402 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN087273.D

Acq: 03 Jul 2025 15:49

Instrument :

MSVOA_N

ClientSampleId :

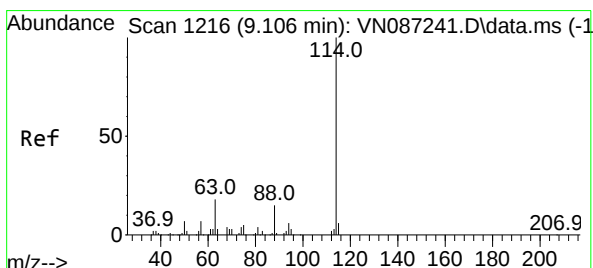
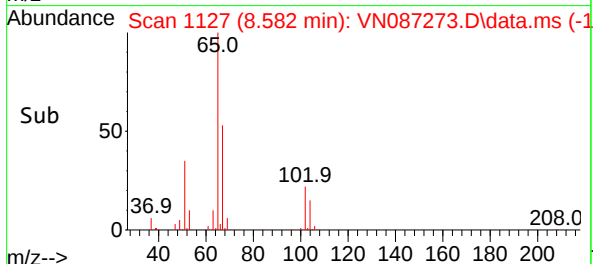
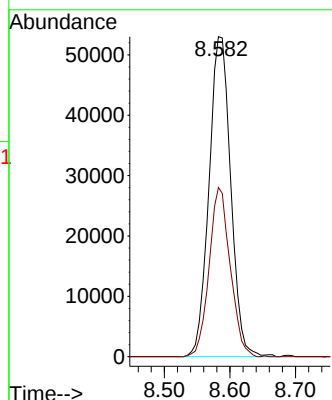
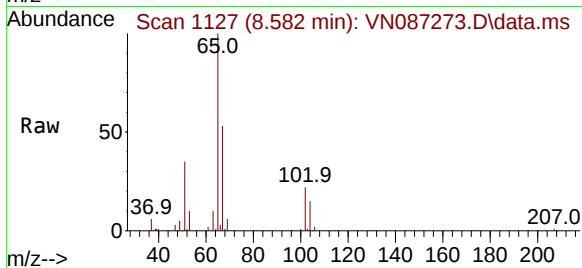
G1(10)

Tgt Ion: 65 Resp: 121959

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# 1216

Delta R.T. -0.000 min

Lab File: VN087273.D

Acq: 03 Jul 2025 15:49

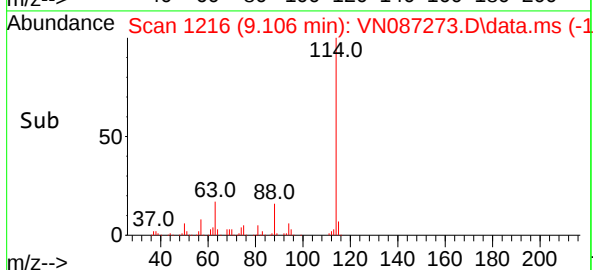
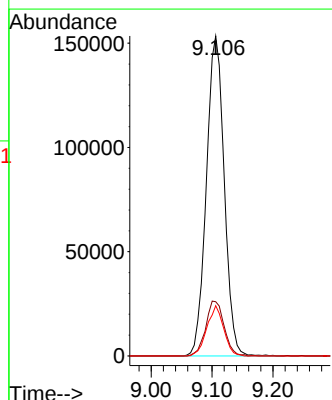
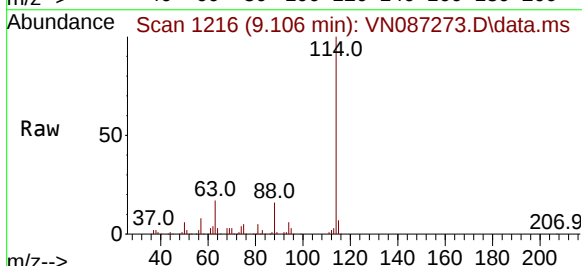
Tgt Ion: 114 Resp: 312509

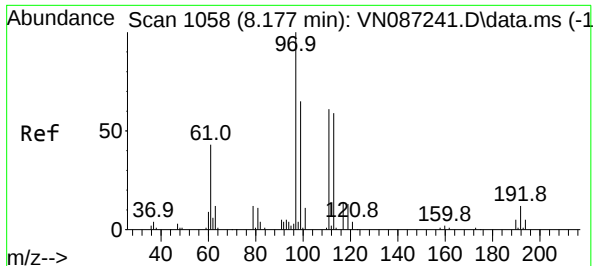
Ion Ratio Lower Upper

114 100

63 17.0 0.0 36.6

88 15.7 0.0 29.6





#35

Dibromofluoromethane

Concen: 53.146 ug/l

RT: 8.177 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087273.D

Acq: 03 Jul 2025 15:49

Instrument :

MSVOA_N

ClientSampleId :

G1(10)

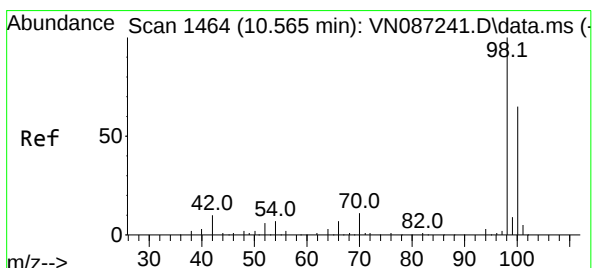
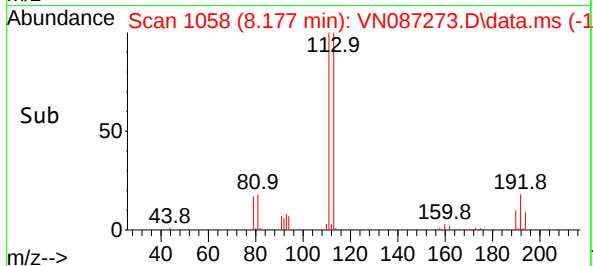
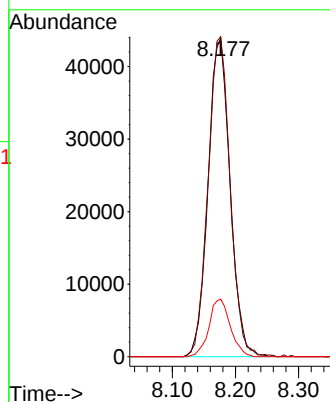
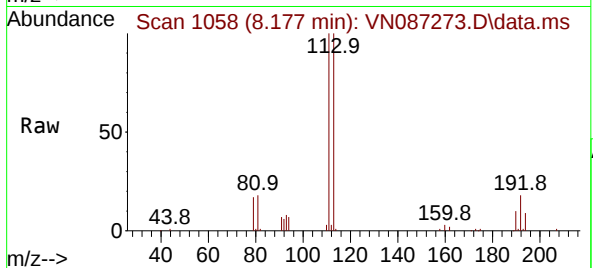
Tgt Ion:113 Resp: 106346

Ion Ratio Lower Upper

113 100

111 100.7 81.4 122.2

192 17.6 15.1 22.7



#50

Toluene-d8

Concen: 48.148 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN087273.D

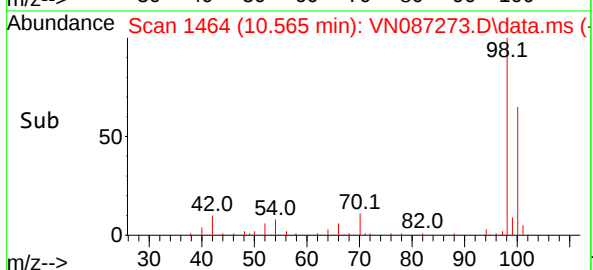
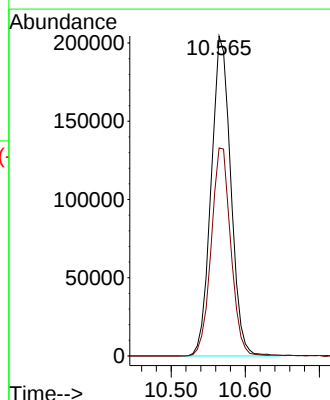
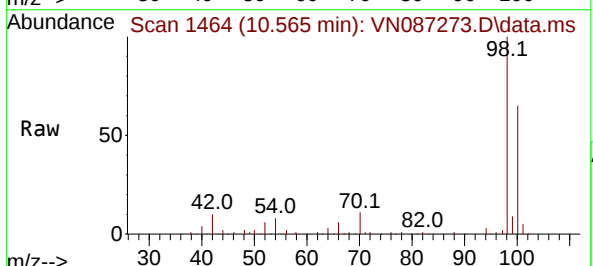
Acq: 03 Jul 2025 15:49

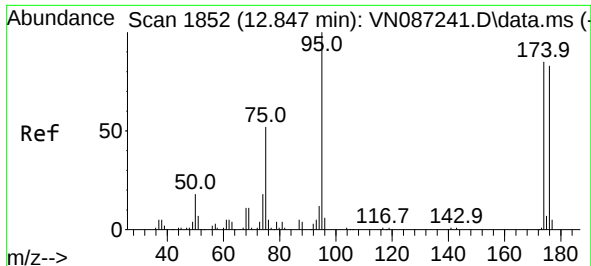
Tgt Ion: 98 Resp: 375537

Ion Ratio Lower Upper

98 100

100 64.8 52.1 78.1

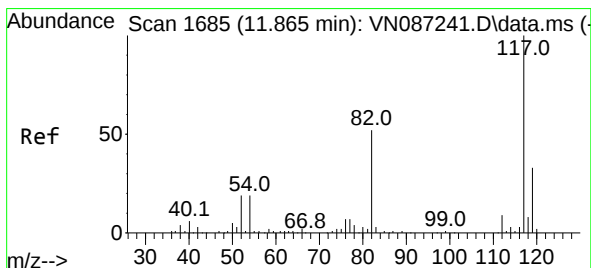
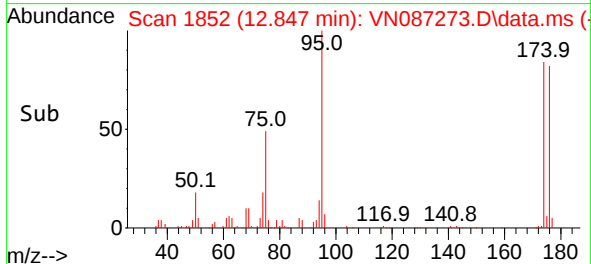
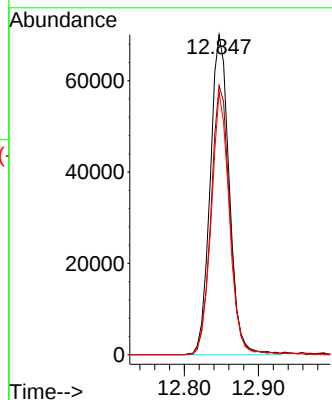
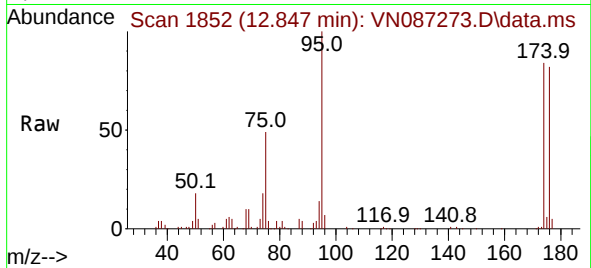




#62
4-Bromofluorobenzene
Concen: 45.060 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

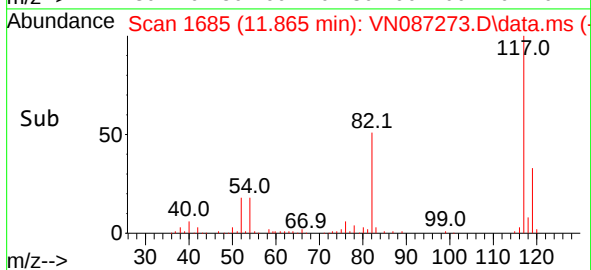
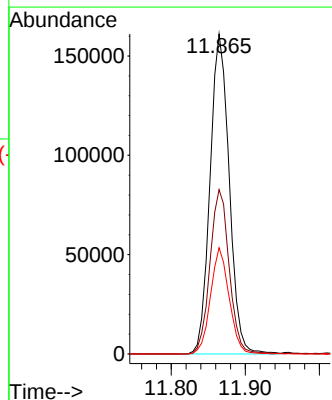
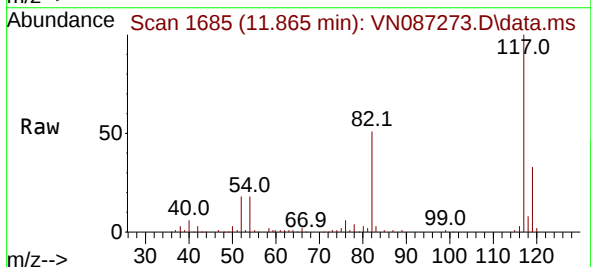
Instrument :
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G1(10)

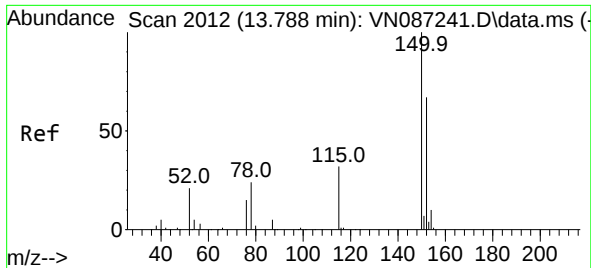
Tgt Ion: 95 Resp: 125049
Ion Ratio Lower Upper
95 100
174 83.5 0.0 169.6
176 78.6 0.0 161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

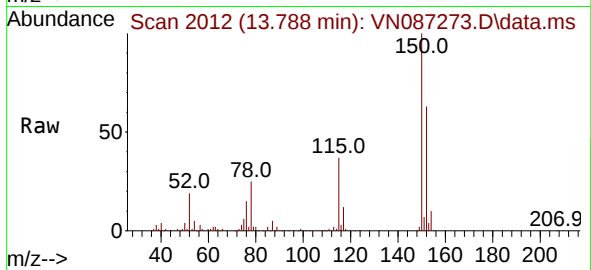
Tgt Ion: 117 Resp: 289305
Ion Ratio Lower Upper
117 100
82 51.3 41.9 62.9
119 33.2 26.2 39.4





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

Instrument :
MSVOA_N
ClientSampleId :
G1(10)



Tgt Ion:152 Resp: 138860
Ion Ratio Lower Upper
152 100
115 58.2 28.3 84.9
150 156.8 0.0 344.6

