

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087268.D
 Acq On : 03 Jul 2025 14:03
 Operator : JC\MD
 Sample : Q2487-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G4(10)

Quant Time: Jul 04 02:31:21 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)

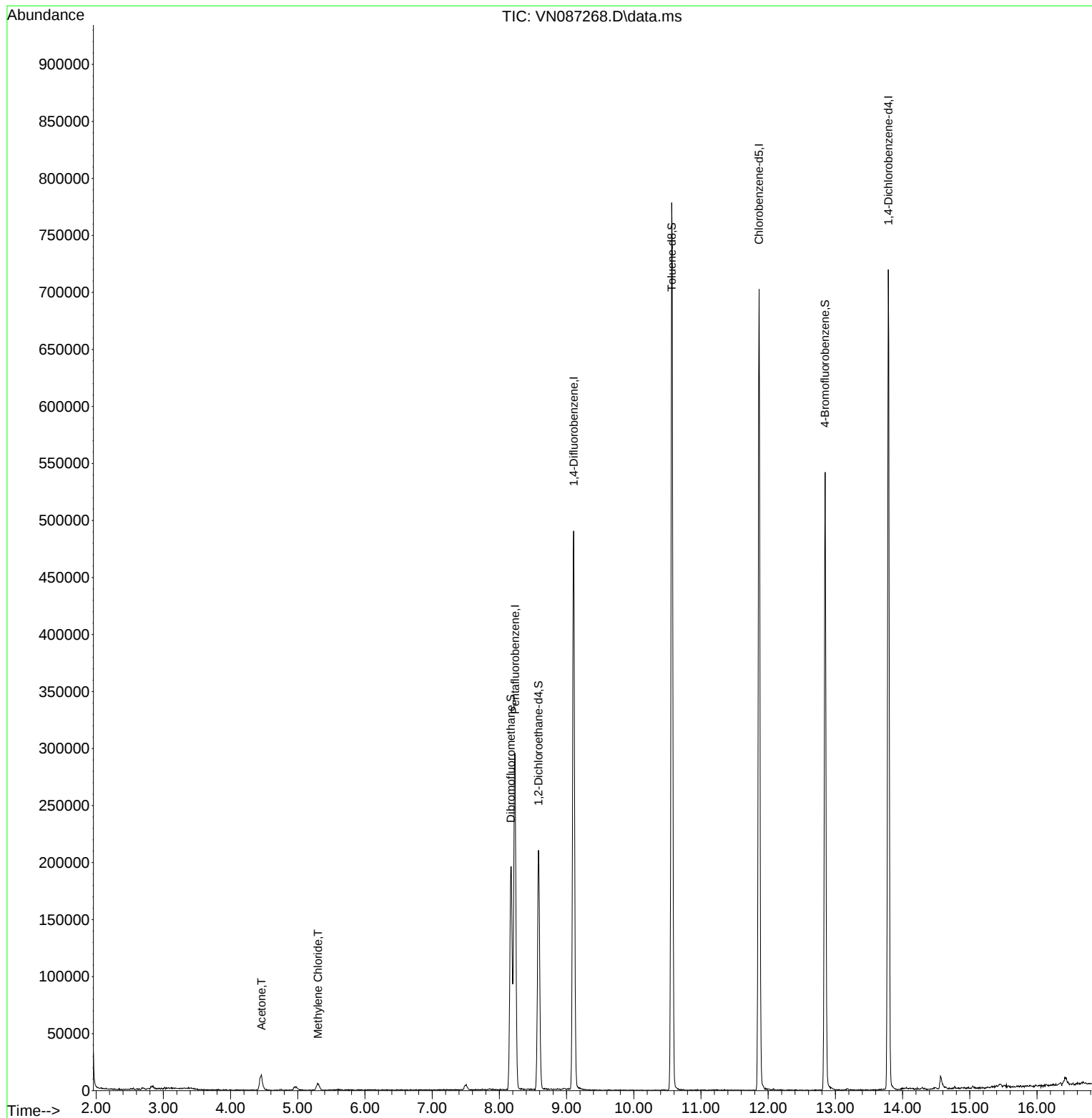
Internal Standards						
1) Pentafluorobenzene	8.235	168	234695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	450758	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	424787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	206244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	172227	58.470	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.940%
35) Dibromofluoromethane	8.171	113	148800	51.555	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.120%
50) Toluene-d8	10.565	98	557018	49.513	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.020%
62) 4-Bromofluorobenzene	12.847	95	188304	47.043	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.080%
Target Compounds						
						Qvalue
16) Acetone	4.459	43	25625	22.755	ug/l	99
20) Methylene Chloride	5.300	84	5077	2.035	ug/l	96

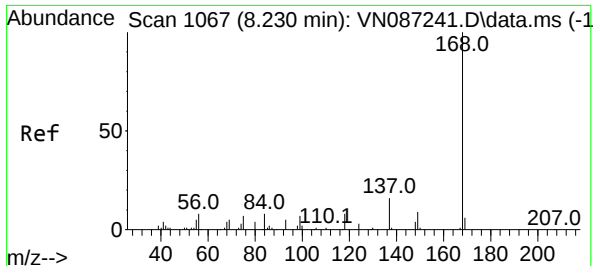
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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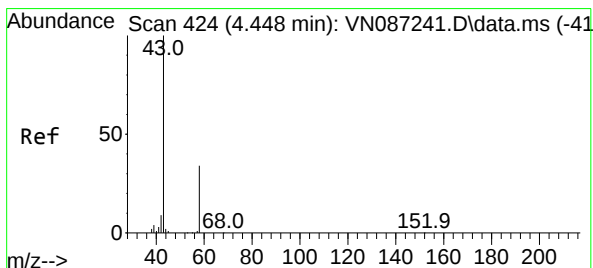
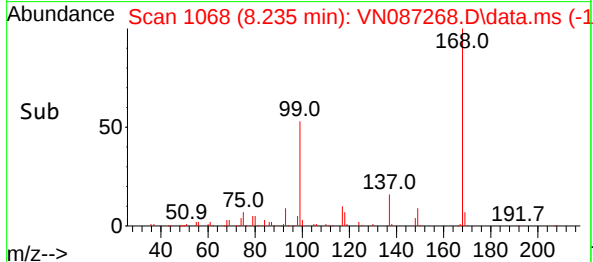
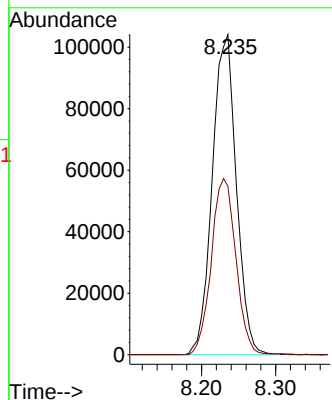
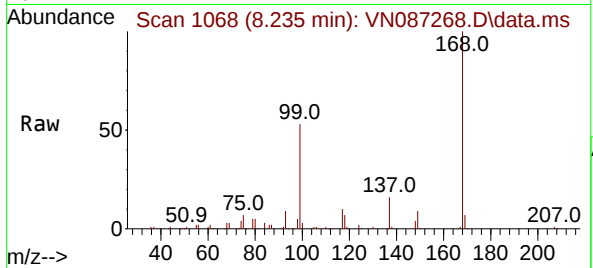




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN087268.D
Acq: 03 Jul 2025 14:03

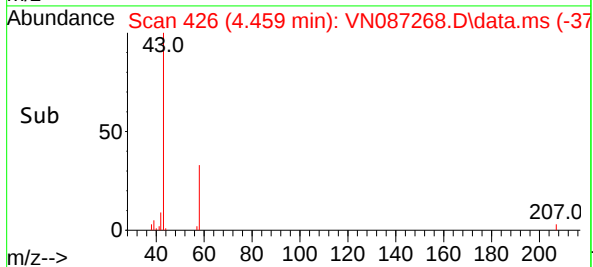
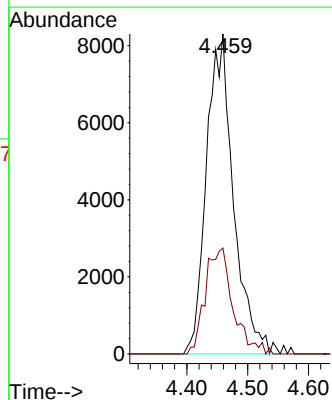
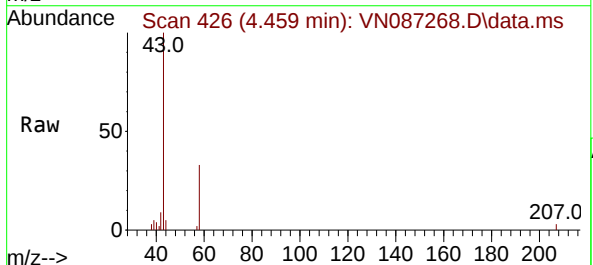
Instrument :
MSVOA_N
ClientSampleId :
G4(10)

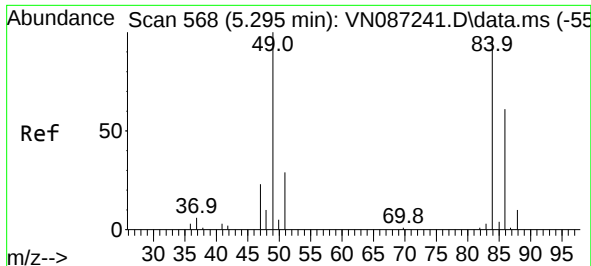
Tgt Ion:168 Resp: 234695
Ion Ratio Lower Upper
168 100
99 52.7 42.6 64.0



#16
Acetone
Concen: 22.755 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN087268.D
Acq: 03 Jul 2025 14:03

Tgt Ion: 43 Resp: 25625
Ion Ratio Lower Upper
43 100
58 33.1 27.1 40.7

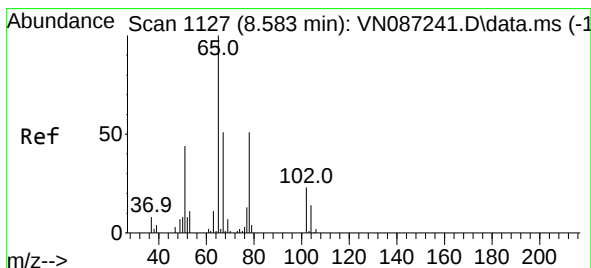
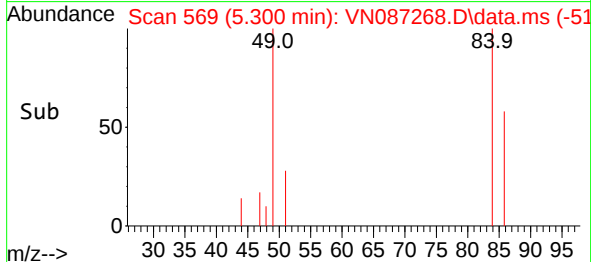
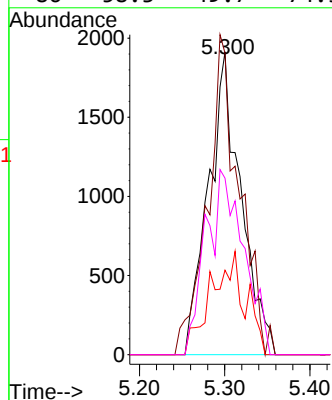
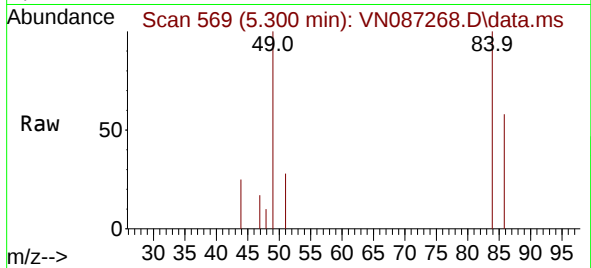




#20
Methylene Chloride
Concen: 2.035 ug/l
RT: 5.300 min Scan# 5077
Delta R.T. 0.006 min
Lab File: VN087268.D
Acq: 03 Jul 2025 14:03

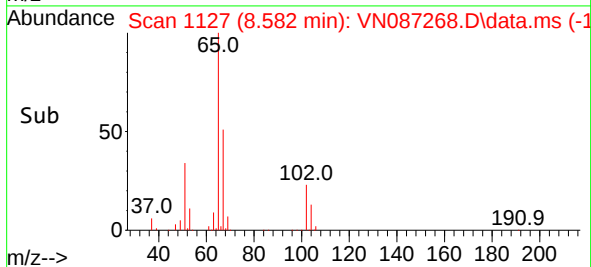
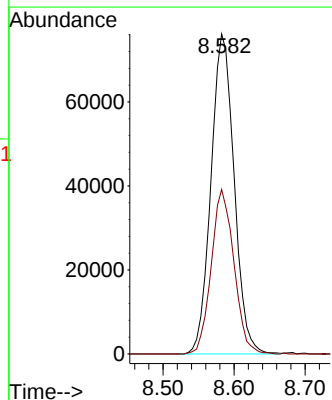
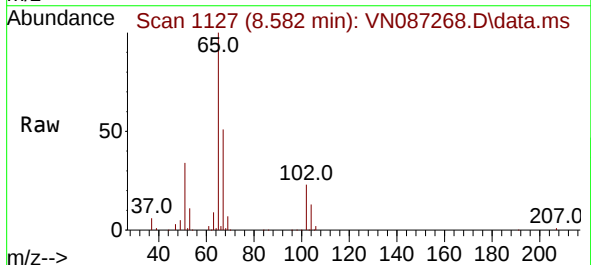
Instrument :
MSVOA_N
ClientSampleId :
G4(10)

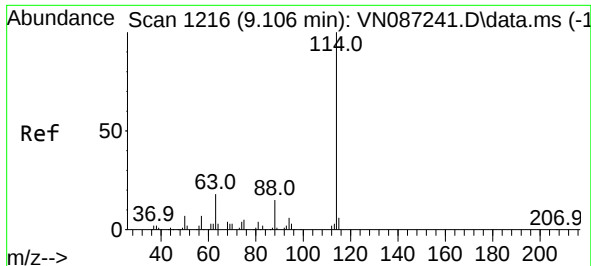
Tgt Ion:	84	Resp:	5077
Ion	Ratio	Lower	Upper
84	100		
49	99.6	82.1	123.1
51	27.9	23.5	35.3
86	58.3	49.7	74.5



#33
1,2-Dichloroethane-d4
Concen: 58.470 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087268.D
Acq: 03 Jul 2025 14:03

Tgt Ion:	65	Resp:	172227
Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	102.6

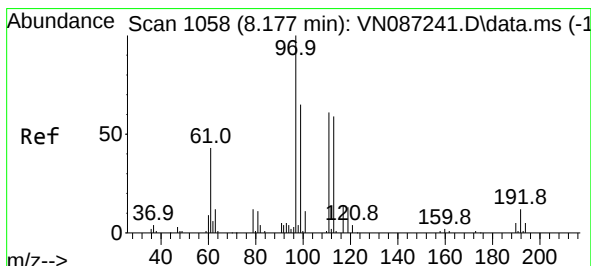
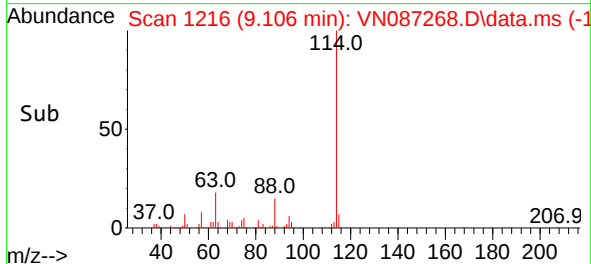
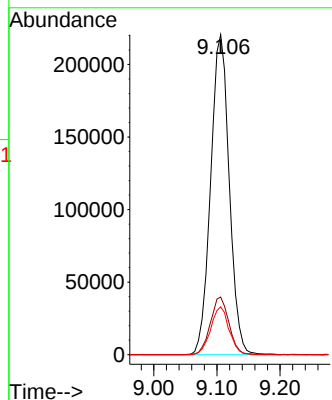
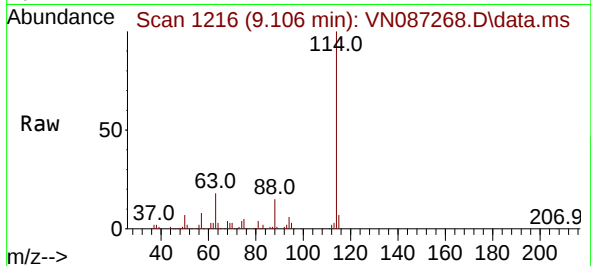




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087268.D
Acq: 03 Jul 2025 14:03

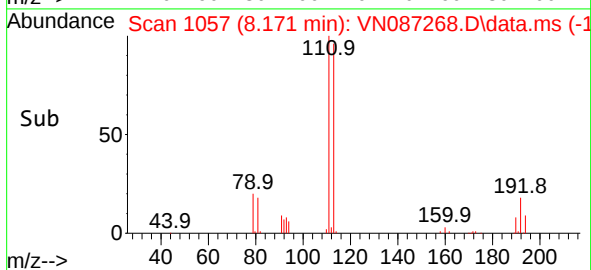
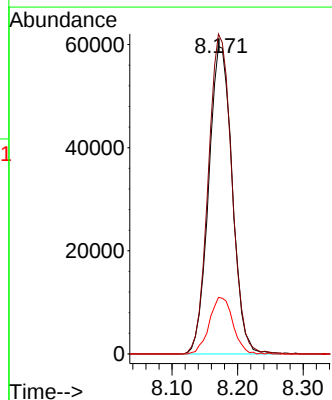
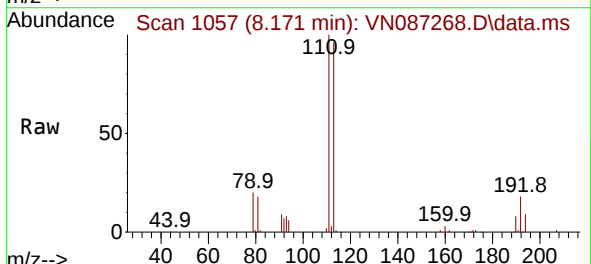
Instrument :
MSVOA_N
ClientSampleId :
G4(10)

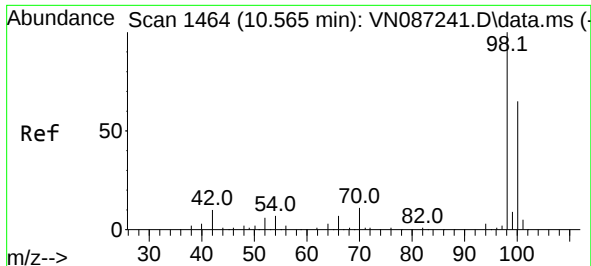
Tgt Ion:114 Resp: 450758
Ion Ratio Lower Upper
114 100
63 18.0 0.0 36.6
88 14.9 0.0 29.6



#35
Dibromofluoromethane
Concen: 51.555 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN087268.D
Acq: 03 Jul 2025 14:03

Tgt Ion:113 Resp: 148800
Ion Ratio Lower Upper
113 100
111 104.0 81.4 122.2
192 18.4 15.1 22.7

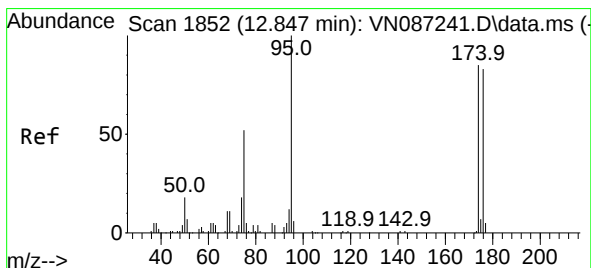
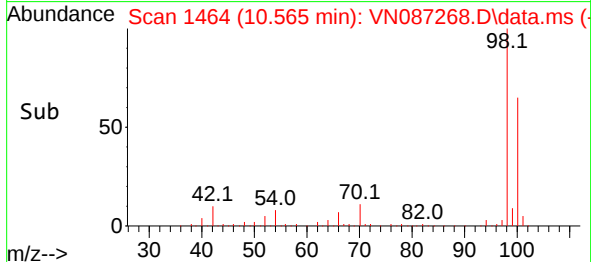
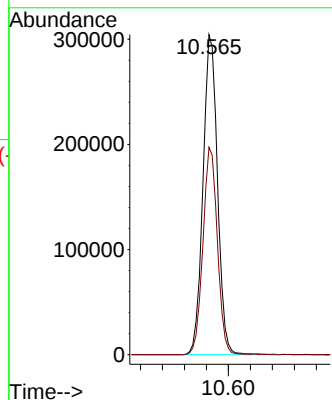
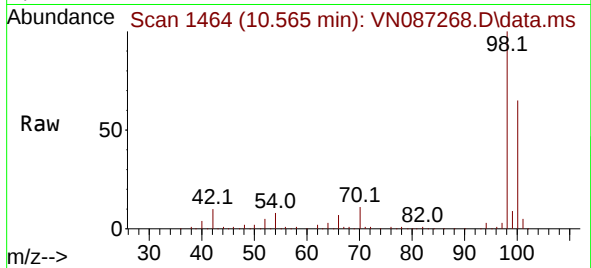




#50
Toluene-d8
Concen: 49.513 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087268.D
Acq: 03 Jul 2025 14:03

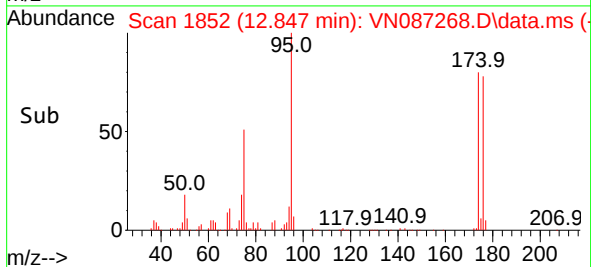
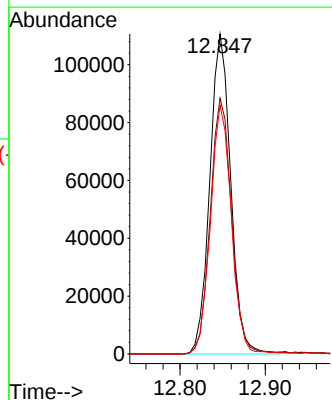
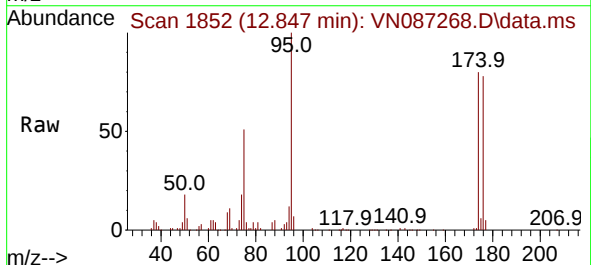
Instrument :
MSVOA_N
ClientSampleId :
G4(10)

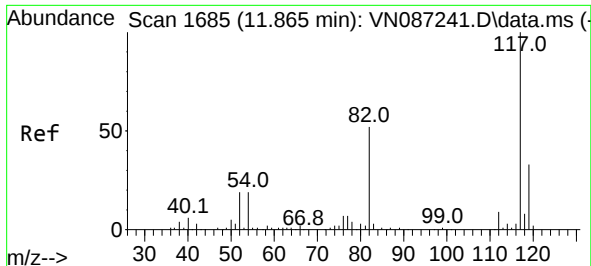
Tgt Ion: 98 Resp: 557018
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.043 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087268.D
Acq: 03 Jul 2025 14:03

Tgt Ion: 95 Resp: 188304
Ion Ratio Lower Upper
95 100
174 81.8 0.0 169.6
176 78.2 0.0 161.6

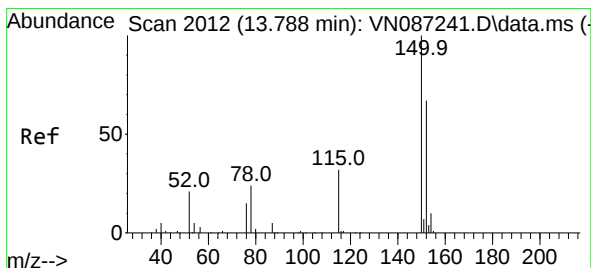
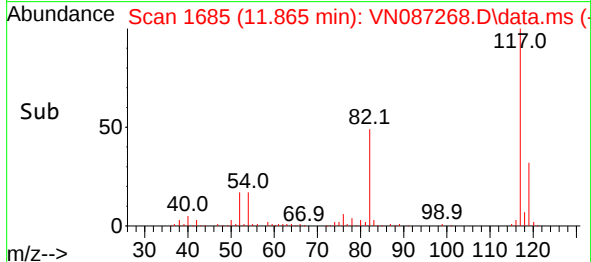
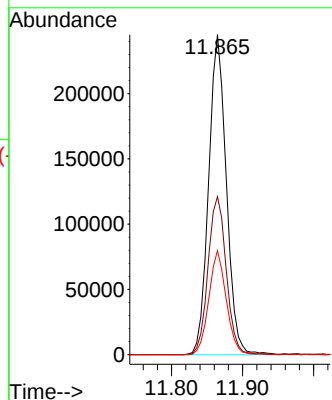
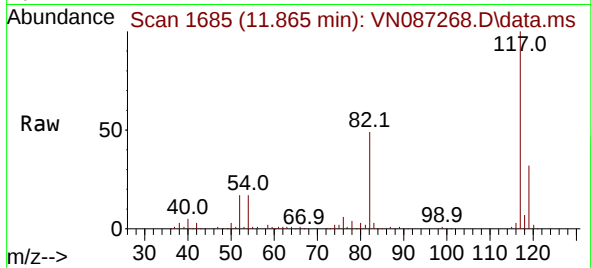




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087268.D
Acq: 03 Jul 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
G4(10)

Tgt Ion:117 Resp: 424787
Ion Ratio Lower Upper
117 100
82 49.4 41.9 62.9
119 32.5 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: VN087268.D
Acq: 03 Jul 2025 14:03

Tgt Ion:152 Resp: 206244
Ion Ratio Lower Upper
152 100
115 58.8 28.3 84.9
150 160.5 0.0 344.6

