

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102925\
 Data File : VN088162.D
 Acq On : 29 Oct 2025 15:48
 Operator : JC\MD
 Sample : Q3472-10
 Misc : 1.10g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-4

Quant Time: Oct 30 04:08:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

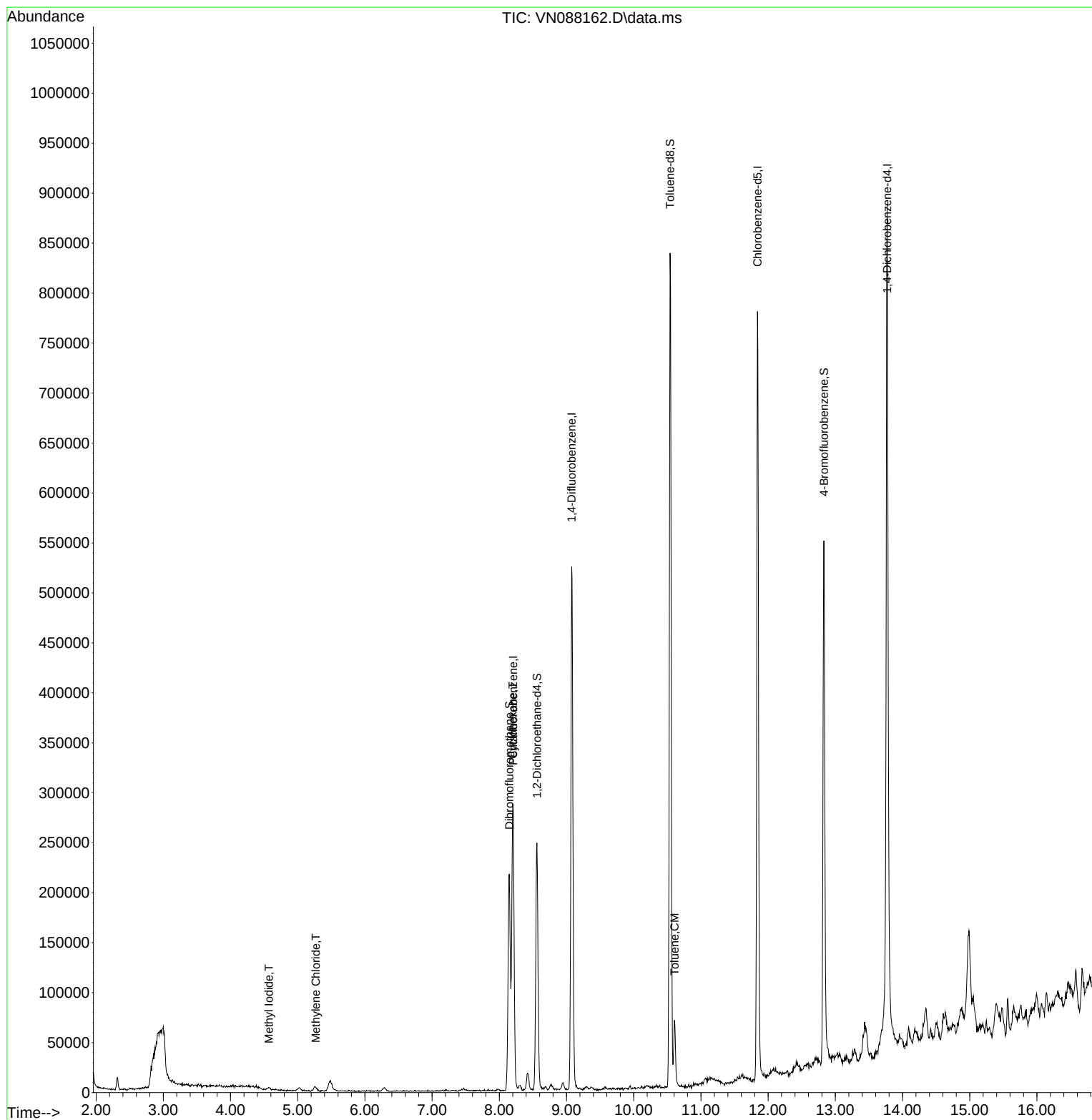
Internal Standards						
1) Pentafluorobenzene	8.206	168	188202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	438546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	413225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	198770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	211652	65.036	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 130.080%#	
35) Dibromofluoromethane	8.147	113	152578	51.788	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.580%	
50) Toluene-d8	10.541	98	566532	49.905	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.820%	
62) 4-Bromofluorobenzene	12.829	95	214760	53.568	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.140%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.571	142	4954	6.265	ug/l #	84
20) Methylene Chloride	5.271	84	2850	1.876	ug/l #	80
31) Cyclohexane	8.200	56	8931	1.960	ug/l #	66
52) Toluene	10.606	92	26314	3.258	ug/l	98

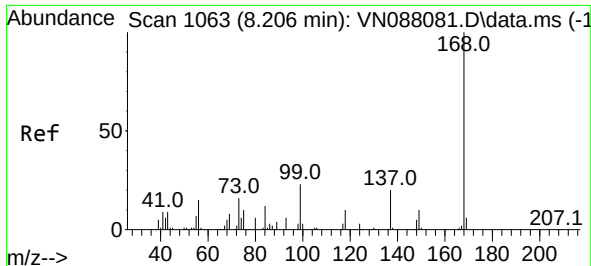
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102925\
Data File : VN088162.D
Acq On : 29 Oct 2025 15:48
Operator : JC\MD
Sample : Q3472-10
Misc : 1.10g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
COMP-4

Quant Time: Oct 30 04:08:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

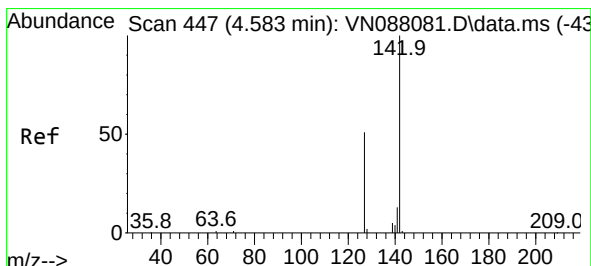
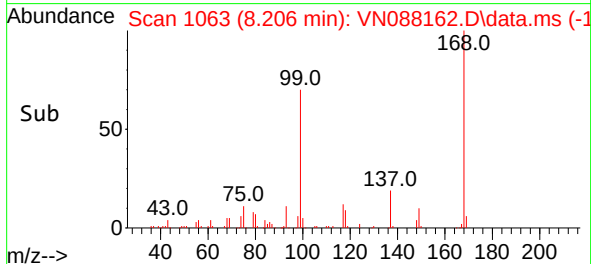
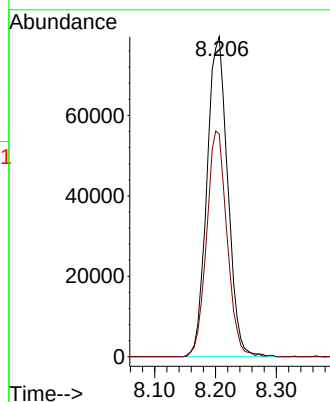
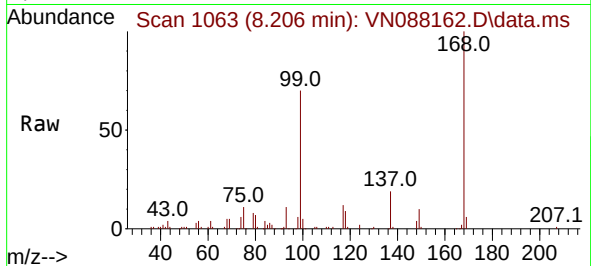




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088162.D
Acq: 29 Oct 2025 15:48

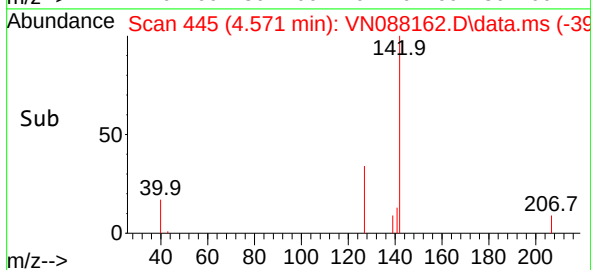
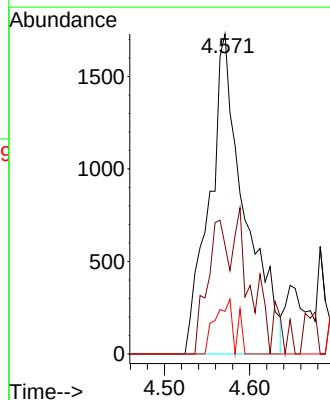
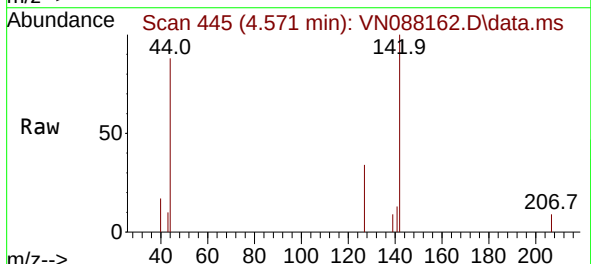
Instrument :
MSVOA_N
ClientSampleId :
COMP-4

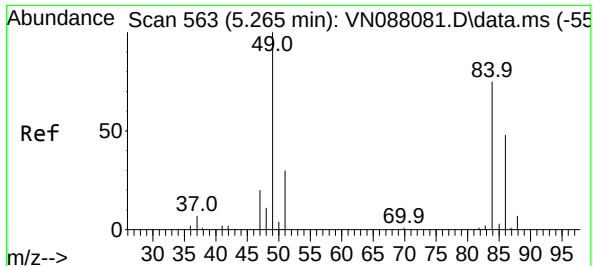
Tgt Ion:168 Resp: 188202
Ion Ratio Lower Upper
168 100
99 69.6 57.2 85.8



#10
Methyl Iodide
Concen: 6.265 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.006 min
Lab File: VN088162.D
Acq: 29 Oct 2025 15:48

Tgt Ion:142 Resp: 4954
Ion Ratio Lower Upper
142 100
127 34.0 38.0 57.0#
141 13.3 12.0 18.0

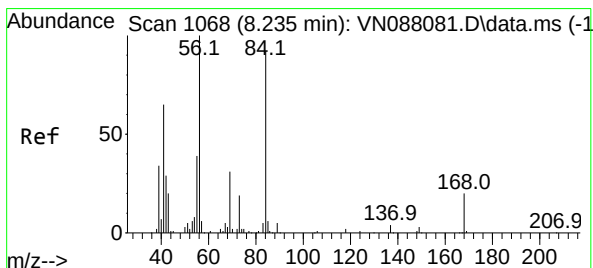
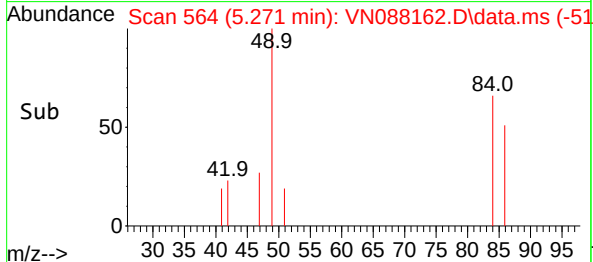
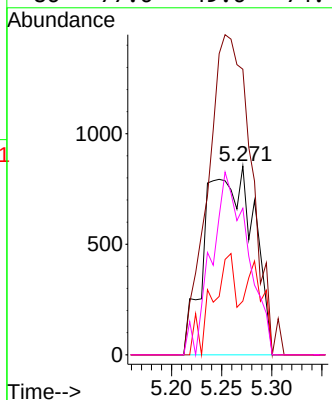
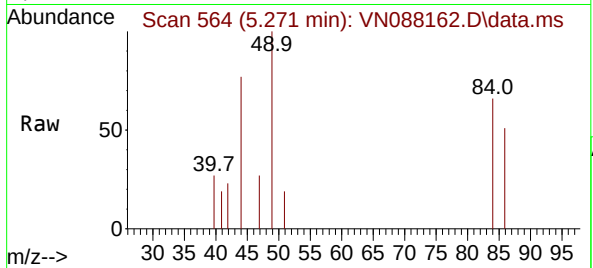




#20
Methylene Chloride
Concen: 1.876 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN088162.D
Acq: 29 Oct 2025 15:48

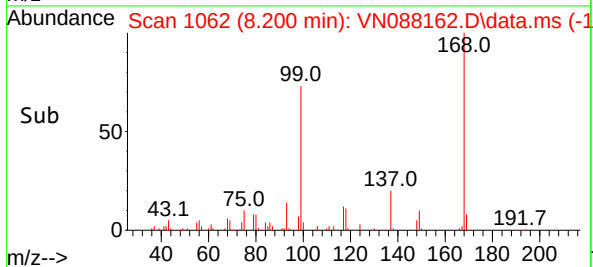
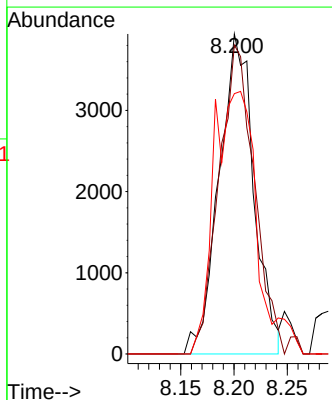
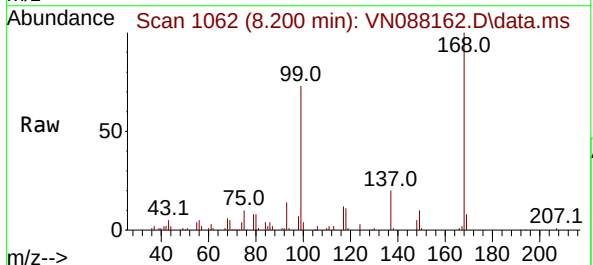
Instrument :
MSVOA_N
ClientSampleId :
COMP-4

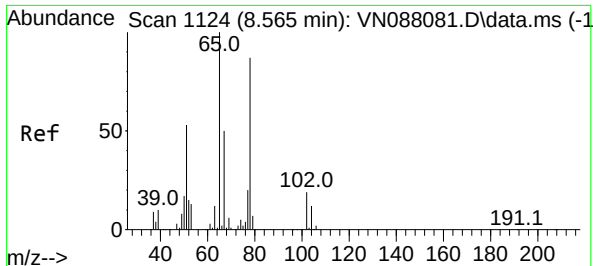
Tgt Ion:	84	Resp:	2850
Ion	Ratio	Lower	Upper
84	100		
49	151.3	103.4	155.2
51	28.5	33.8	50.8#
86	77.6	49.6	74.4#



#31
Cyclohexane
Concen: 1.960 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN088162.D
Acq: 29 Oct 2025 15:48

Tgt Ion:	56	Resp:	8931
Ion	Ratio	Lower	Upper
56	100		
69	96.5	23.7	35.5#
84	81.4	64.7	97.1





#33

1,2-Dichloroethane-d4

Concen: 65.036 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088162.D

Acq: 29 Oct 2025 15:48

Instrument :

MSVOA_N

ClientSampleId :

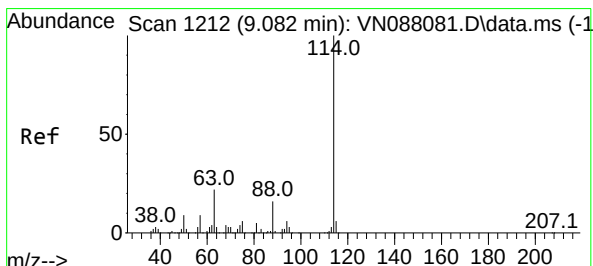
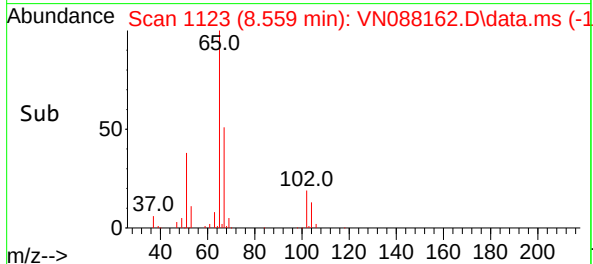
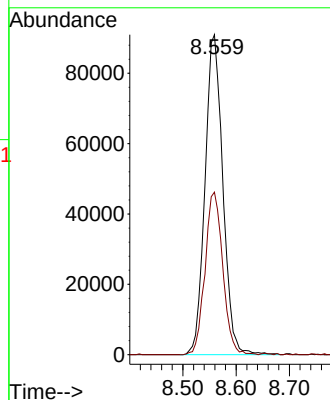
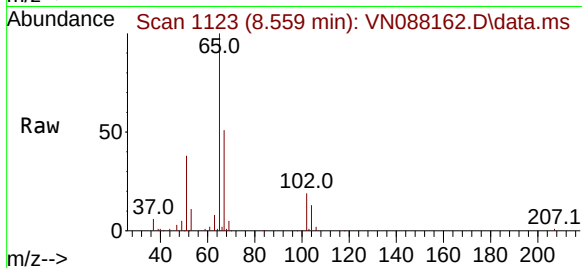
COMP-4

Tgt Ion: 65 Resp: 211652

Ion Ratio Lower Upper

65 100

67 50.4 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.077 min Scan# 1211

Delta R.T. -0.006 min

Lab File: VN088162.D

Acq: 29 Oct 2025 15:48

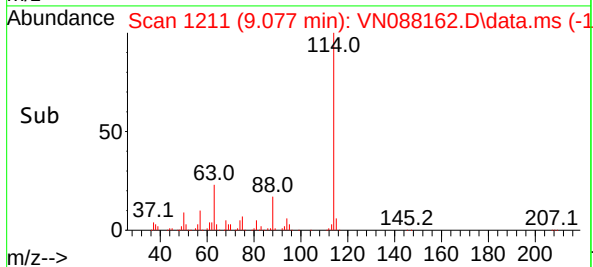
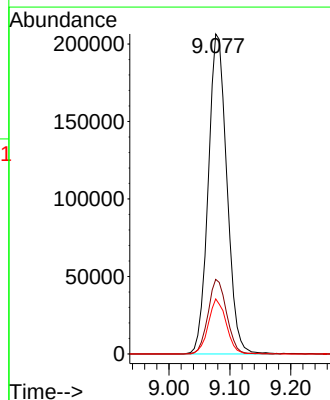
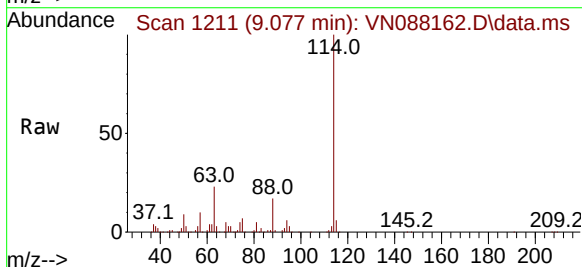
Tgt Ion: 114 Resp: 438546

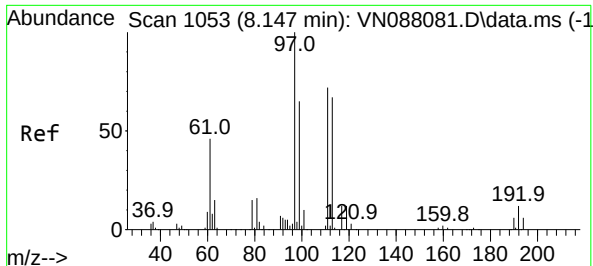
Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.2

88 17.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.788 ug/l

RT: 8.147 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088162.D

Acq: 29 Oct 2025 15:48

Instrument :

MSVOA_N

ClientSampleId :

COMP-4

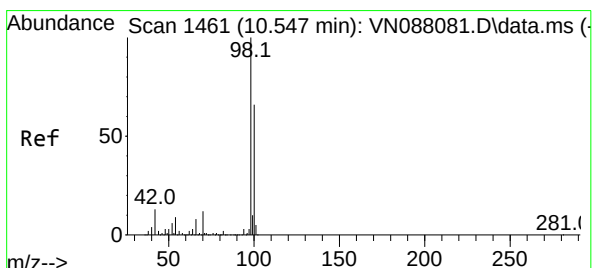
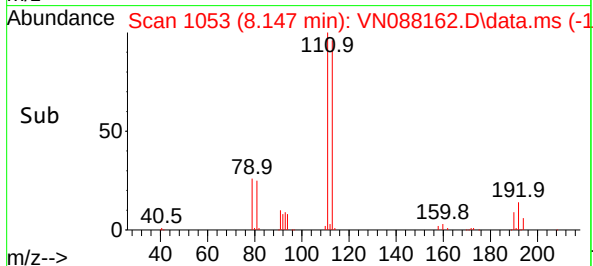
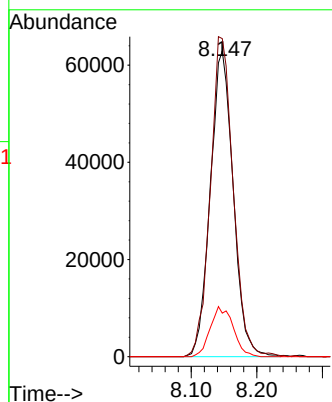
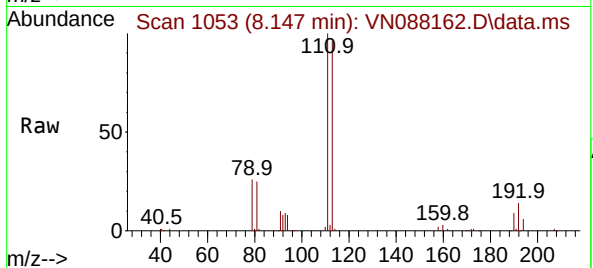
Tgt Ion:113 Resp: 152578

Ion Ratio Lower Upper

113 100

111 104.3 82.8 124.2

192 16.4 12.8 19.2



#50

Toluene-d8

Concen: 49.905 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088162.D

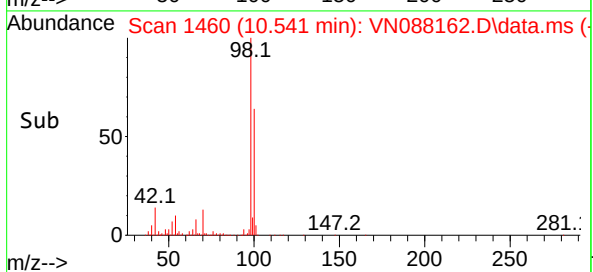
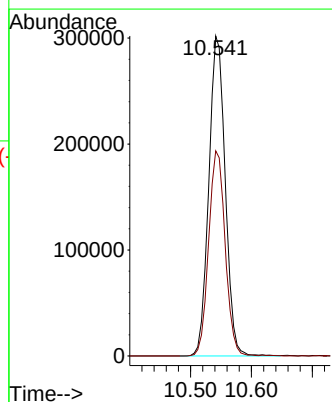
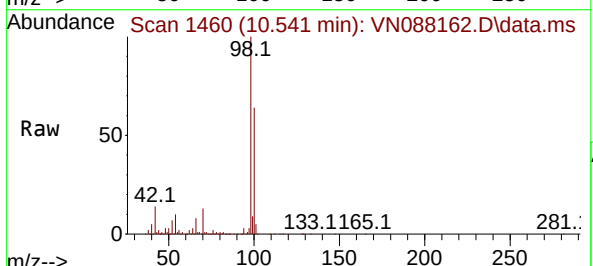
Acq: 29 Oct 2025 15:48

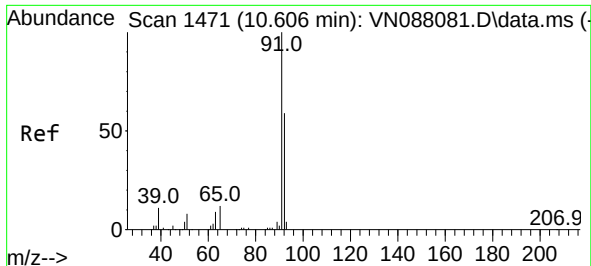
Tgt Ion: 98 Resp: 566532

Ion Ratio Lower Upper

98 100

100 64.4 52.8 79.2

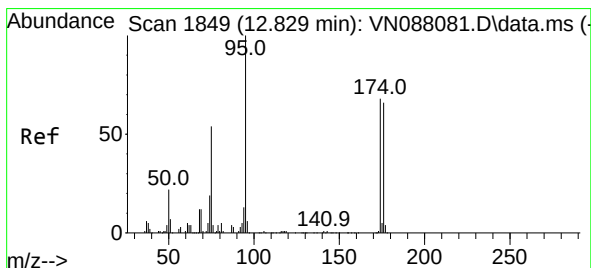
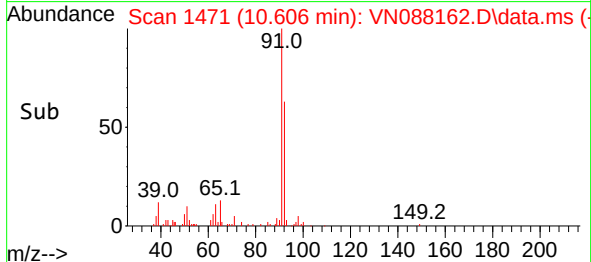
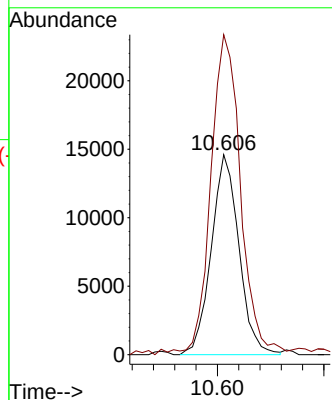
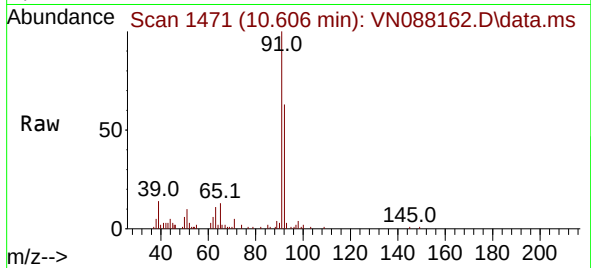




#52
Toluene
Concen: 3.258 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088162.D
Acq: 29 Oct 2025 15:48

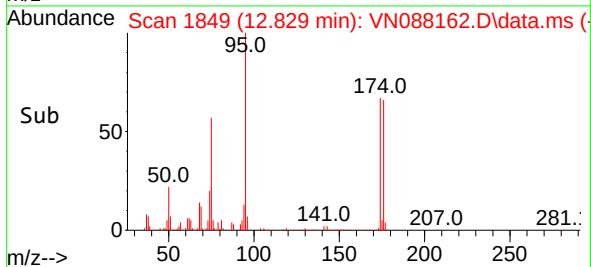
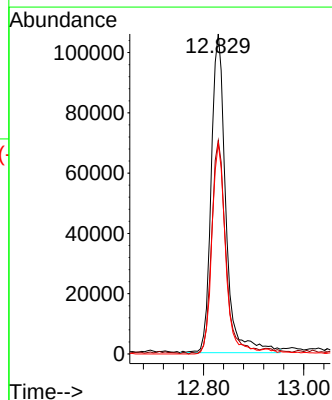
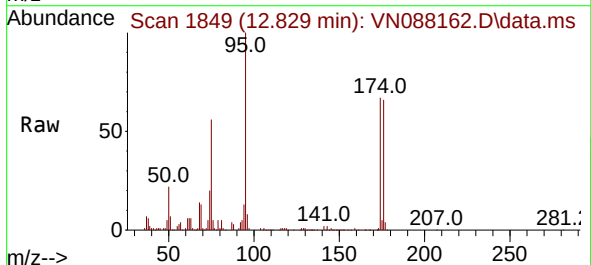
Instrument :
MSVOA_N
ClientSampleId :
COMP-4

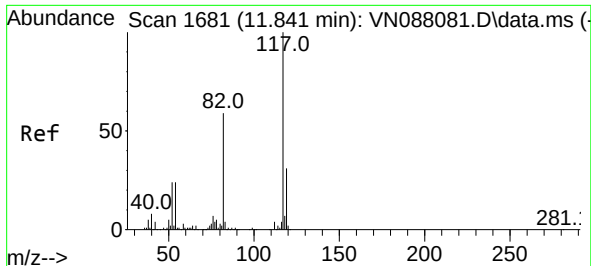
Tgt Ion: 92 Resp: 26314
Ion Ratio Lower Upper
92 100
91 172.8 140.4 210.6



#62
4-Bromofluorobenzene
Concen: 53.568 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088162.D
Acq: 29 Oct 2025 15:48

Tgt Ion: 95 Resp: 214760
Ion Ratio Lower Upper
95 100
174 65.2 0.0 138.4
176 62.1 0.0 132.6

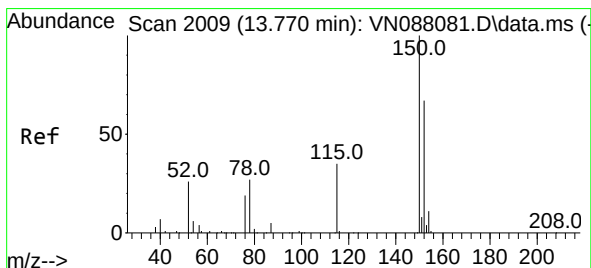
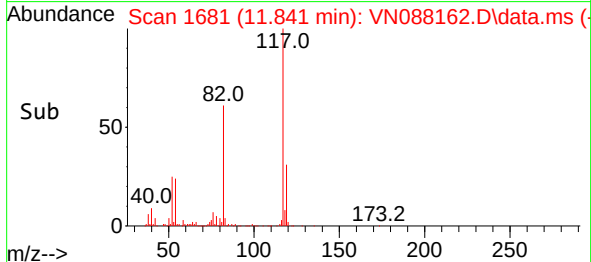
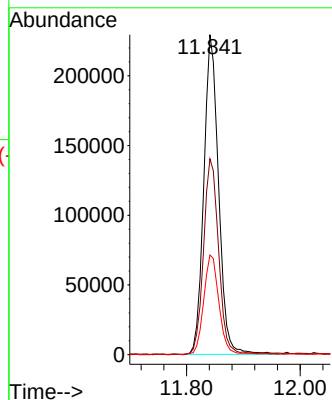
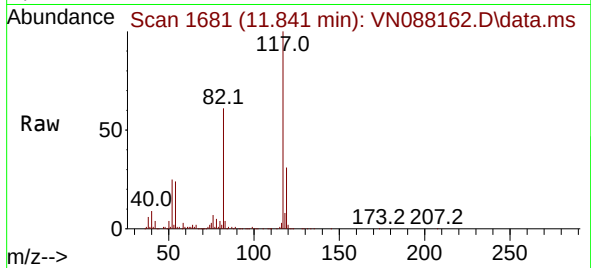




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088162.D
Acq: 29 Oct 2025 15:48

Instrument :
MSVOA_N
ClientSampleId :
COMP-4

Tgt Ion:117 Resp: 413225
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 31.1 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088162.D
Acq: 29 Oct 2025 15:48

Tgt Ion:152 Resp: 198770
Ion Ratio Lower Upper
152 100
115 69.6 32.3 96.8
150 157.0 0.0 351.0

