

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
 Data File : VN088108.D
 Acq On : 27 Oct 2025 13:10
 Operator : JC\MD
 Sample : Q3464-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2

Quant Time: Oct 28 01:25:54 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	242209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	543451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	522532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	258786	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	262690	62.720	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	125.440%#
35) Dibromofluoromethane	8.153	113	188967	51.759	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.520%
50) Toluene-d8	10.547	98	669206	47.571	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.140%
62) 4-Bromofluorobenzene	12.829	95	266523	53.646	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	107.300%

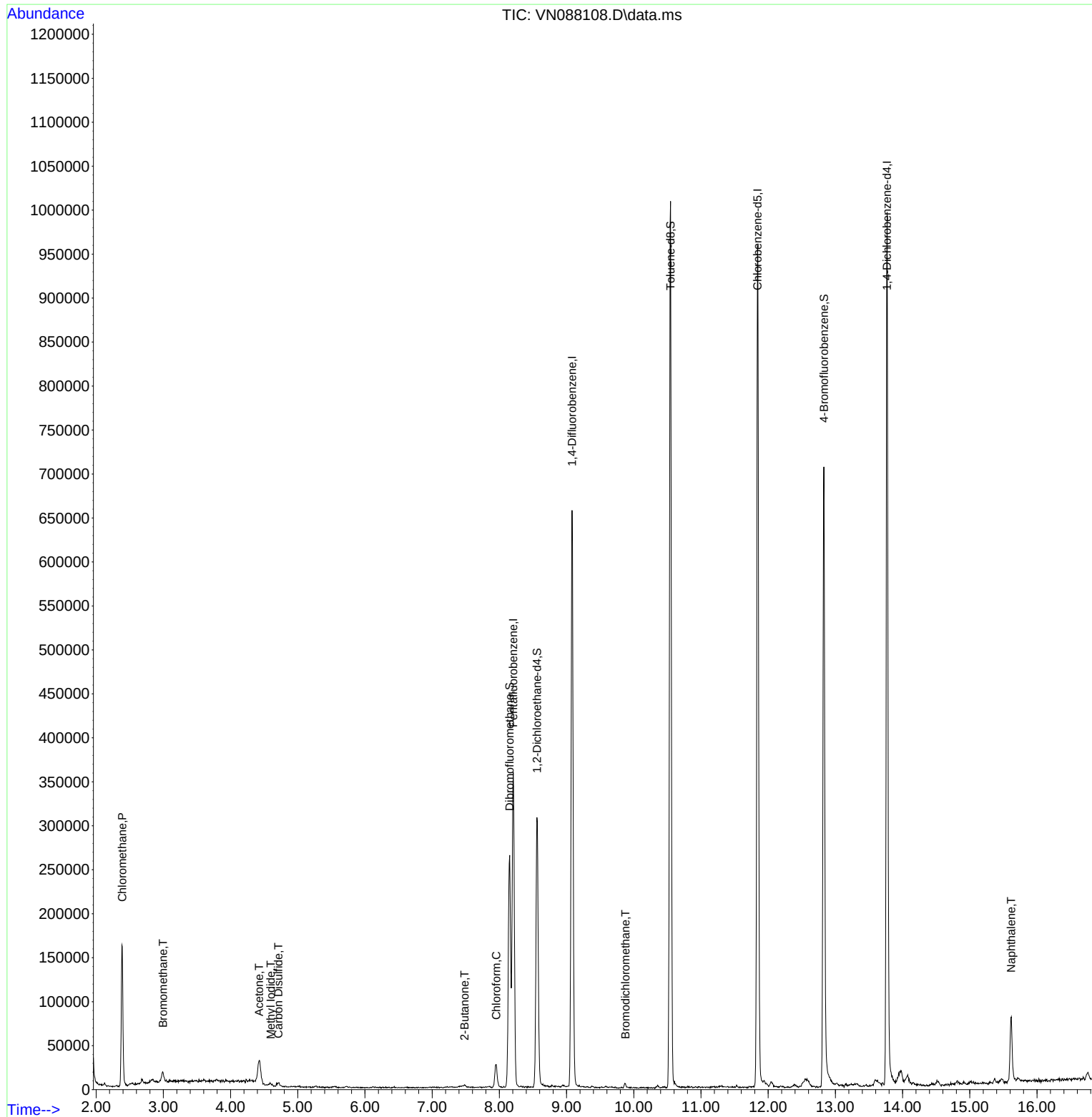
Target Compounds						Qvalue
3) Chloromethane	2.389	50	167787	52.202	ug/l	99
5) Bromomethane	2.995	94	9069	4.329	ug/l	100
10) Methyl Iodide	4.600	142	5944	6.126	ug/l #	72
16) Acetone	4.424	43	54842	26.064	ug/l	92
17) Carbon Disulfide	4.712	76	6687	0.723	ug/l	100
25) 2-Butanone	7.482	43	5889	2.124	ug/l #	82
30) Chloroform	7.953	83	25105	4.043	ug/l #	83
47) Bromodichloromethane	9.876	83	3244	0.554	ug/l #	81
95) Naphthalene	15.617	128	74063	4.310	ug/l	98

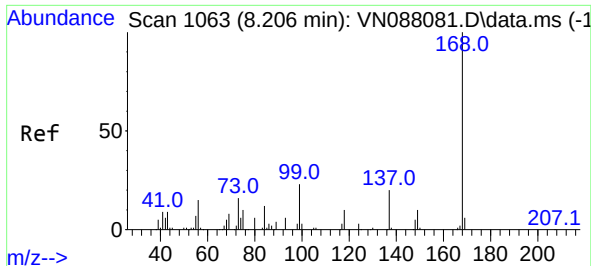
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW2

Quant Time: Oct 28 01:25:54 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

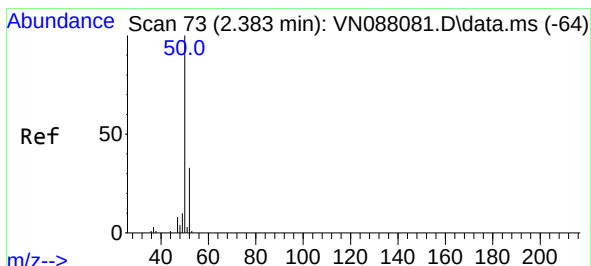
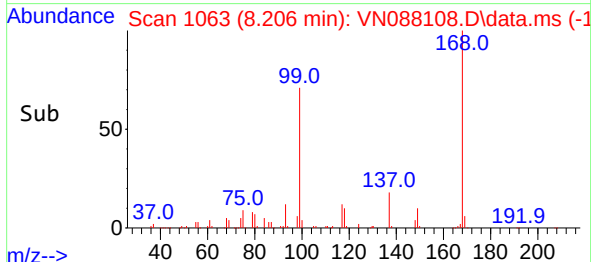
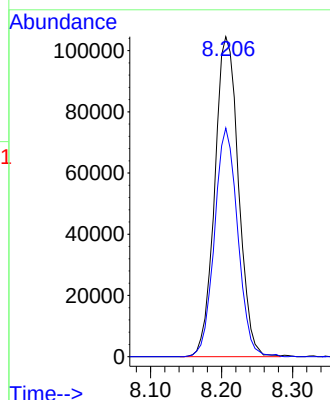
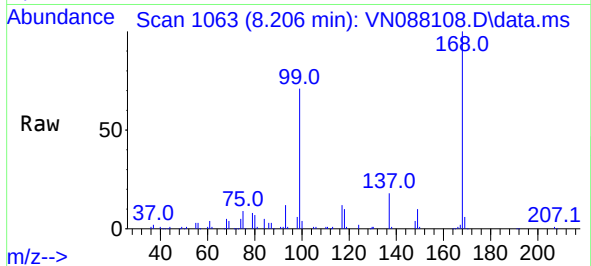




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

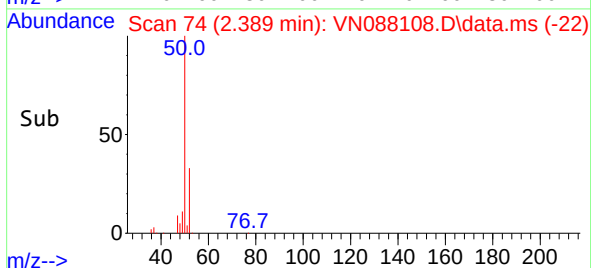
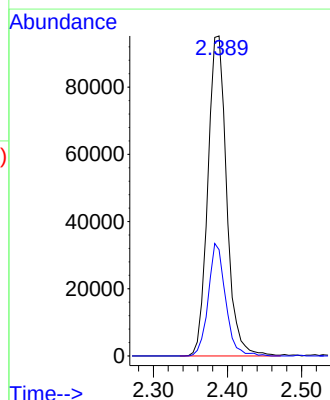
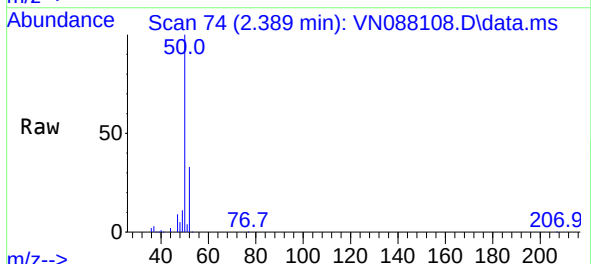
Instrument :
MSVOA_N
ClientSampleId :
MW2

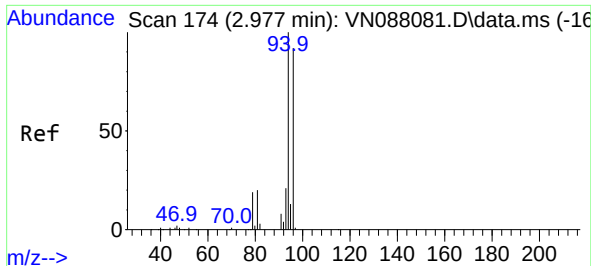
Tgt Ion:168 Resp: 242209
Ion Ratio Lower Upper
168 100
99 71.5 57.2 85.8



#3
Chloromethane
Concen: 52.202 ug/l
RT: 2.389 min Scan# 74
Delta R.T. 0.006 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

Tgt Ion: 50 Resp: 167787
Ion Ratio Lower Upper
50 100
52 33.2 26.2 39.4

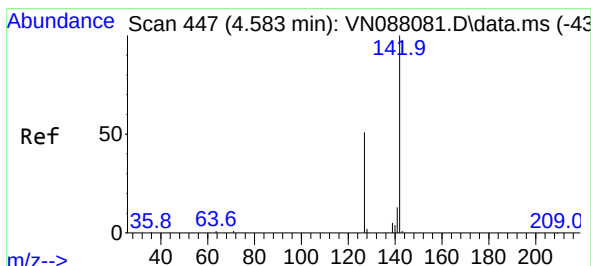
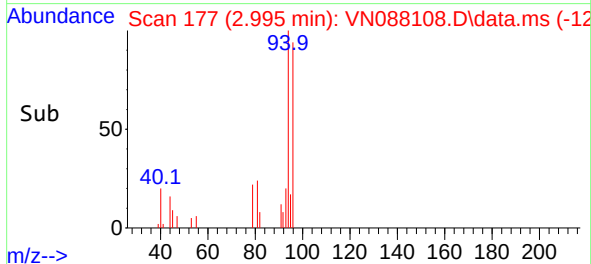
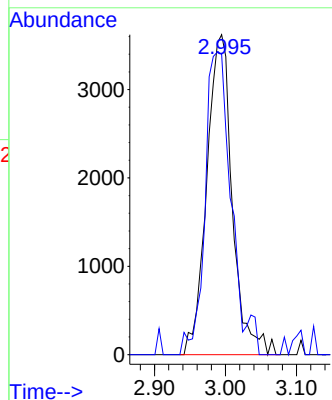
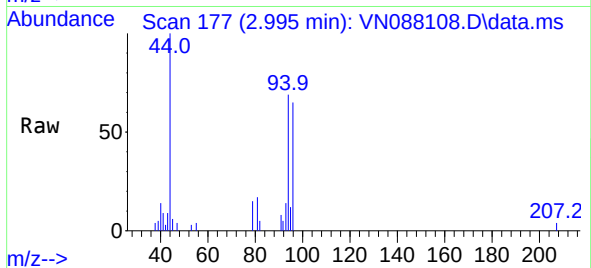




#5
Bromomethane
Concen: 4.329 ug/l
RT: 2.995 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

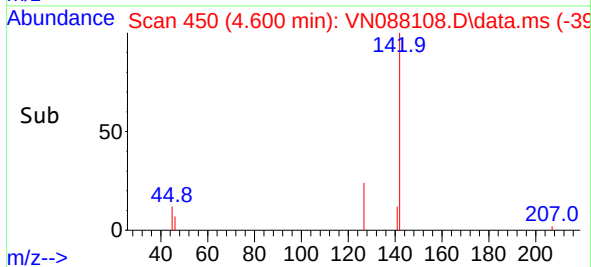
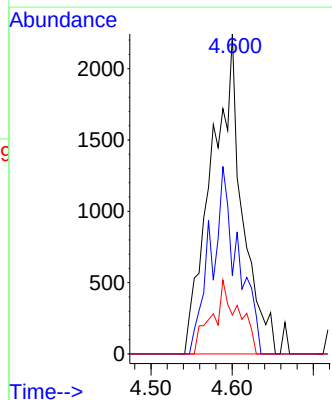
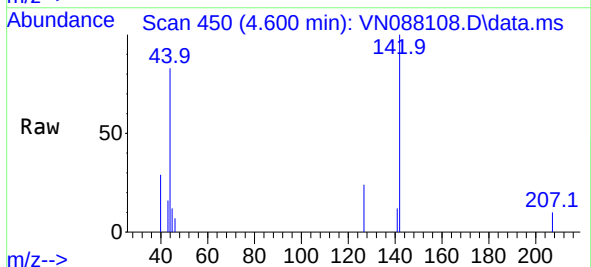
Instrument :
MSVOA_N
ClientSampleId :
MW2

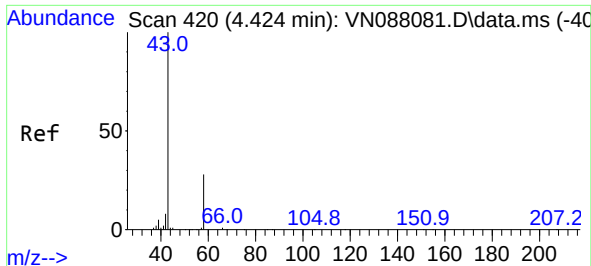
Tgt Ion: 94 Resp: 9069
Ion Ratio Lower Upper
94 100
96 93.9 75.4 113.2



#10
Methyl Iodide
Concen: 6.126 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.023 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

Tgt Ion:142 Resp: 5944
Ion Ratio Lower Upper
142 100
127 24.4 38.0 57.0#
141 12.2 12.0 18.0

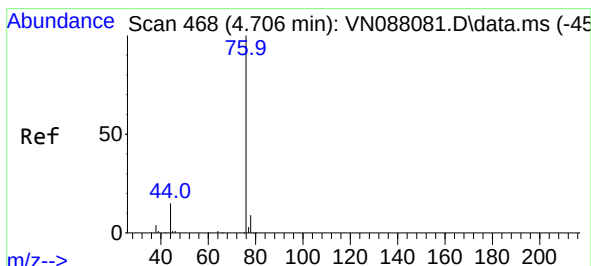
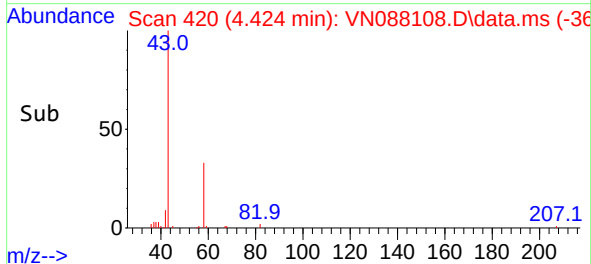
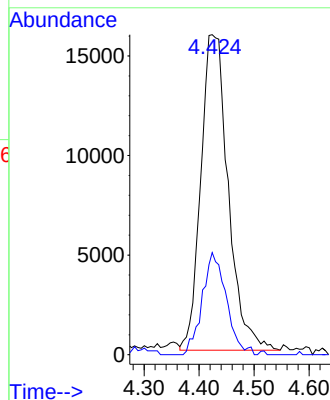
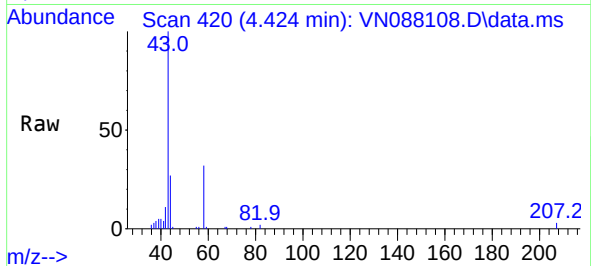




#16
Acetone
Concen: 26.064 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

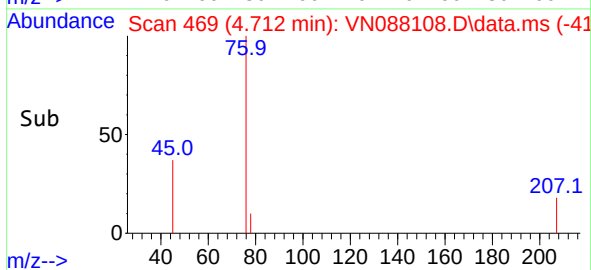
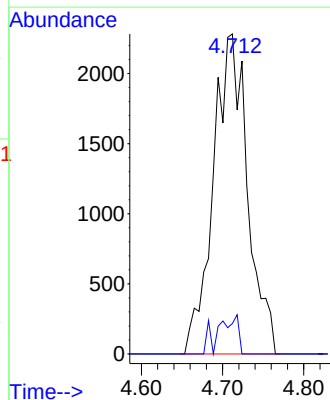
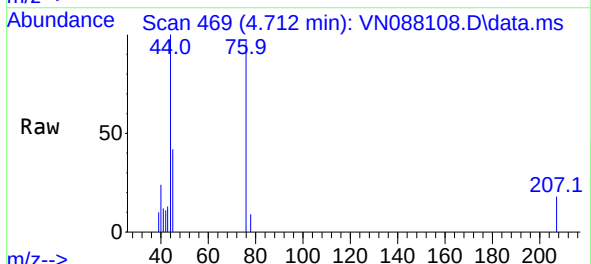
Instrument :
MSVOA_N
ClientSampleId :
MW2

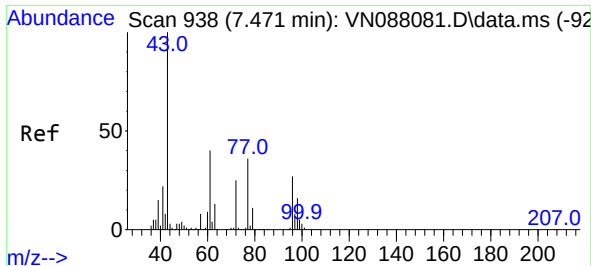
Tgt Ion: 43 Resp: 54842
Ion Ratio Lower Upper
43 100
58 32.4 22.6 33.8



#17
Carbon Disulfide
Concen: 0.723 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.012 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

Tgt Ion: 76 Resp: 6687
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4

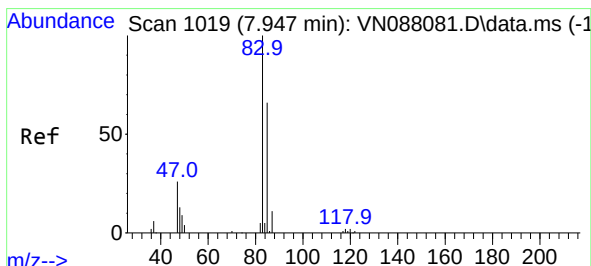
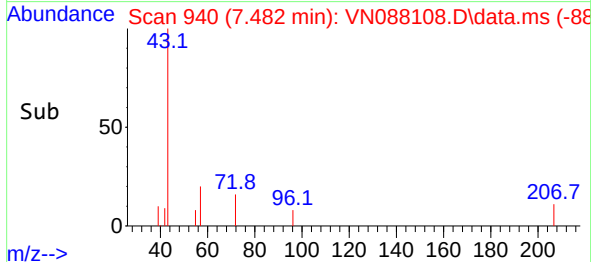
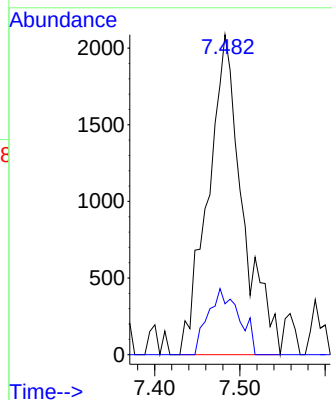
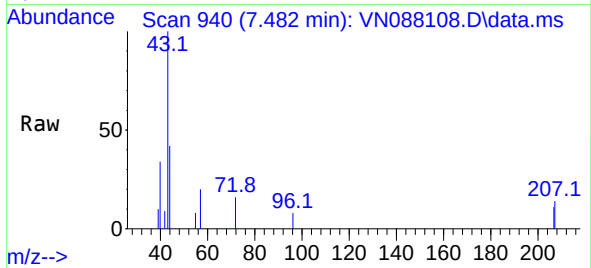




#25
2-Butanone
Concen: 2.124 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.017 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

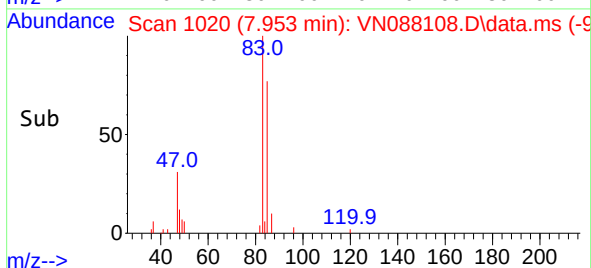
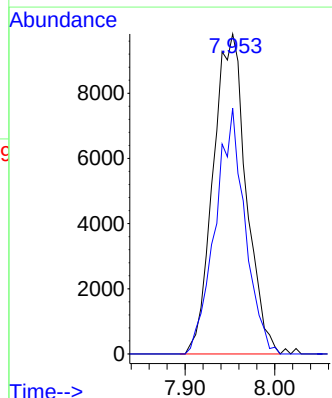
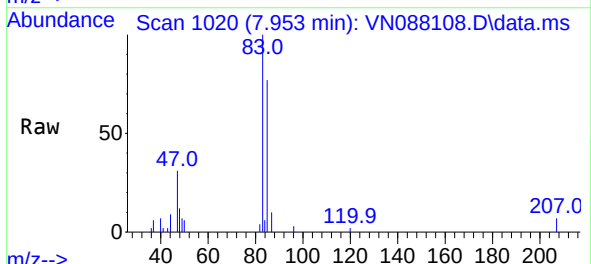
Instrument :
MSVOA_N
ClientSampleId :
MW2

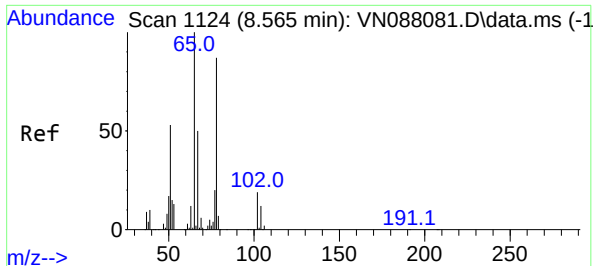
Tgt Ion: 43 Resp: 5889
Ion Ratio Lower Upper
43 100
72 15.9 19.9 29.9#



#30
Chloroform
Concen: 4.043 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

Tgt Ion: 83 Resp: 25105
Ion Ratio Lower Upper
83 100
85 76.8 50.7 76.1#

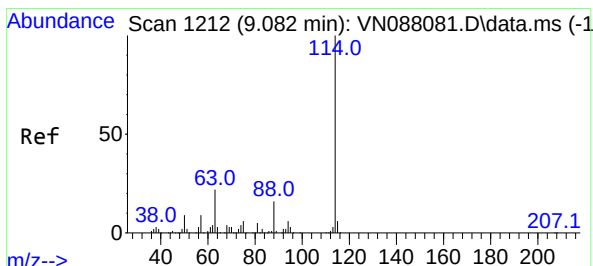
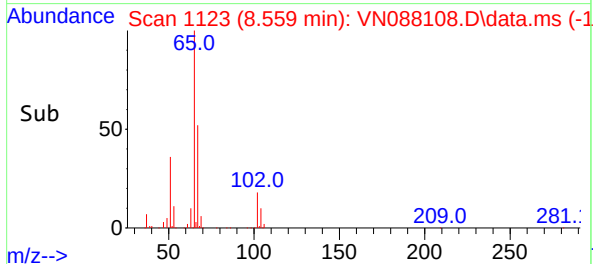
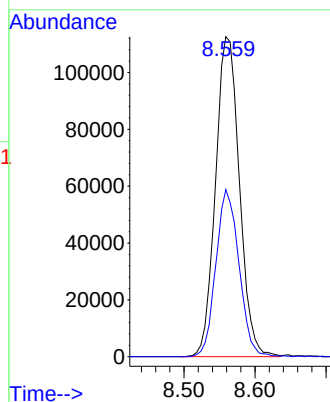
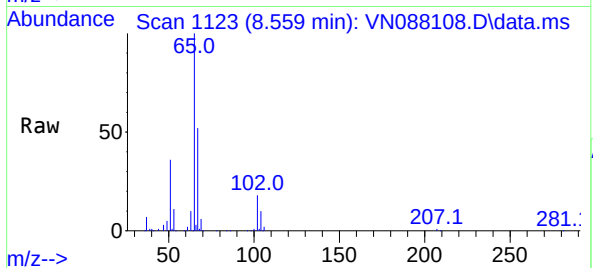




#33
1,2-Dichloroethane-d4
Concen: 62.720 ug/l
RT: 8.559 min Scan# 1124
Delta R.T. -0.000 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

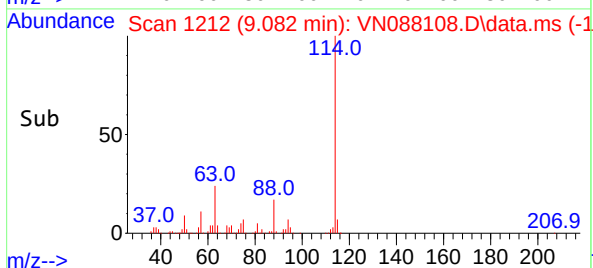
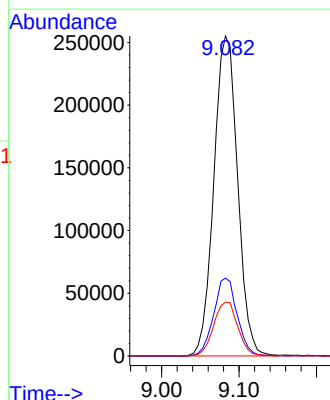
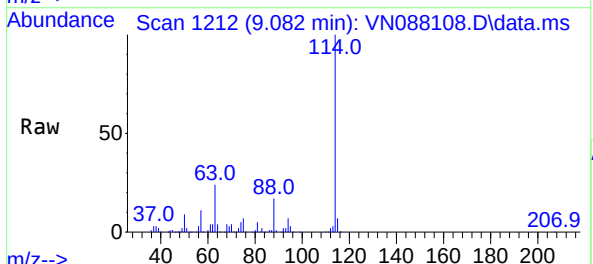
Instrument :
MSVOA_N
ClientSampleId :
MW2

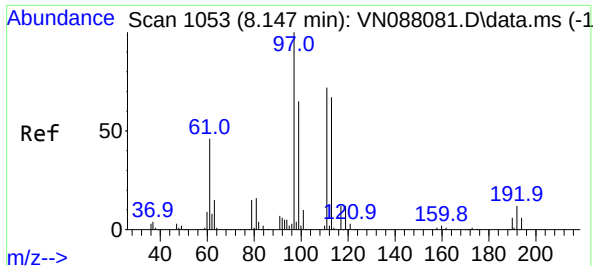
Tgt Ion: 65 Resp: 262690
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

Tgt Ion: 114 Resp: 543451
Ion Ratio Lower Upper
114 100
63 24.3 0.0 45.2
88 16.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.759 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN088108.D

Acq: 27 Oct 2025 13:10

Instrument :

MSVOA_N

ClientSampleId :

MW2

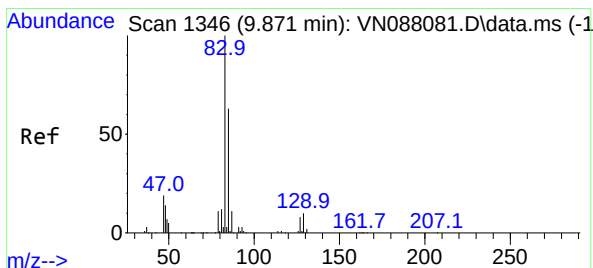
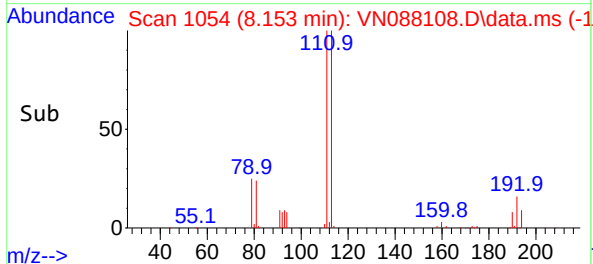
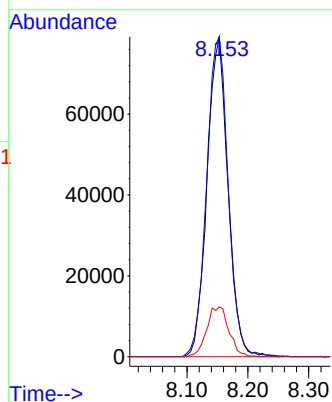
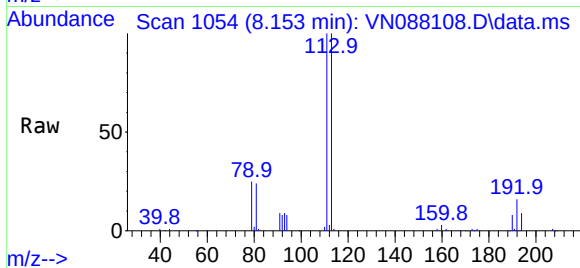
Tgt Ion:113 Resp: 188967

Ion Ratio Lower Upper

113 100

111 103.0 82.8 124.2

192 16.5 12.8 19.2



#47

Bromodichloromethane

Concen: 0.554 ug/l

RT: 9.876 min Scan# 1347

Delta R.T. 0.006 min

Lab File: VN088108.D

Acq: 27 Oct 2025 13:10

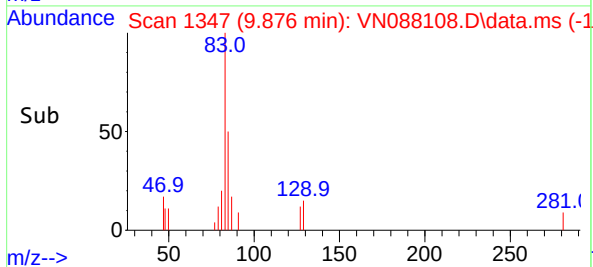
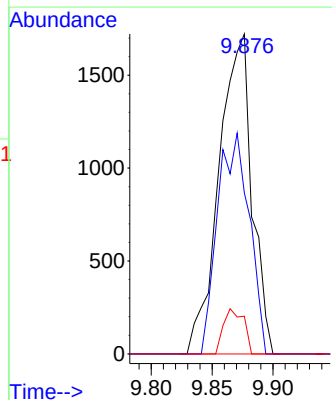
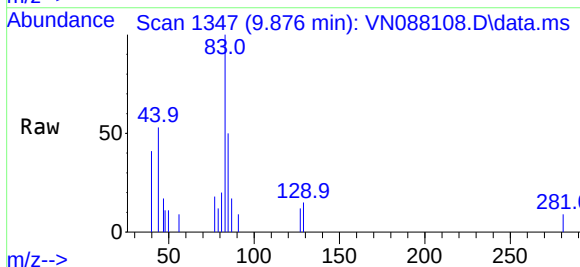
Tgt Ion: 83 Resp: 3244

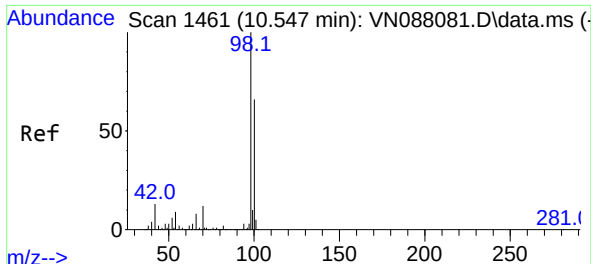
Ion Ratio Lower Upper

83 100

85 50.3 52.5 78.7#

127 11.8 5.8 8.6#

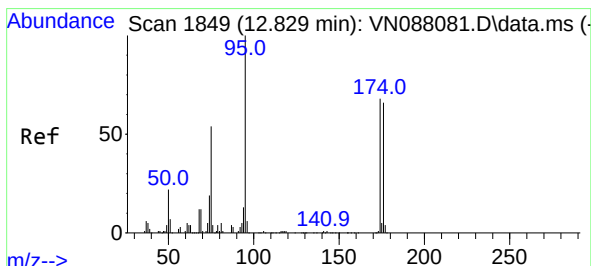
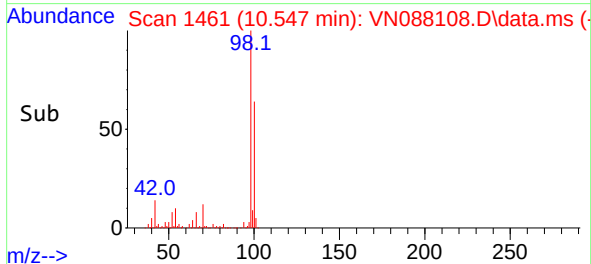
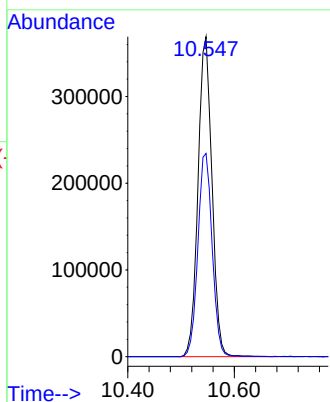
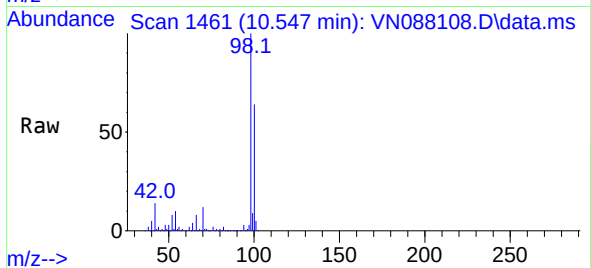




#50
Toluene-d8
Concen: 47.571 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

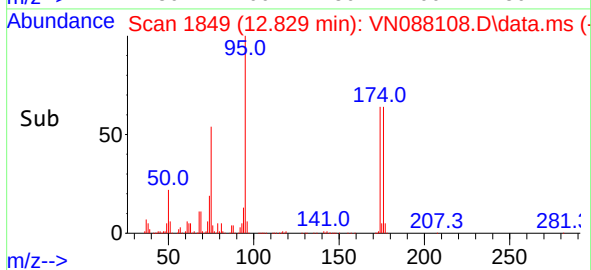
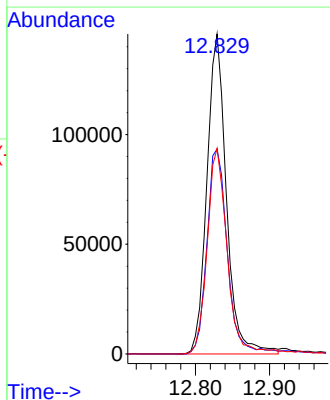
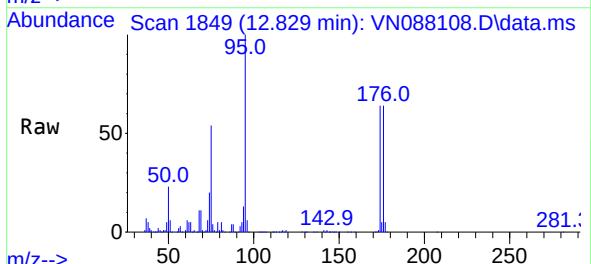
Instrument :
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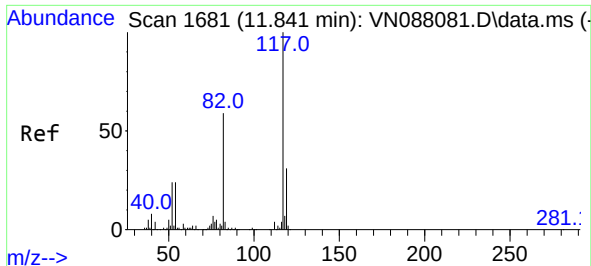
Tgt Ion: 98 Resp: 669206
Ion Ratio Lower Upper
98 100
100 65.2 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 53.646 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

Tgt Ion: 95 Resp: 266523
Ion Ratio Lower Upper
95 100
174 68.3 0.0 138.4
176 65.8 0.0 132.6

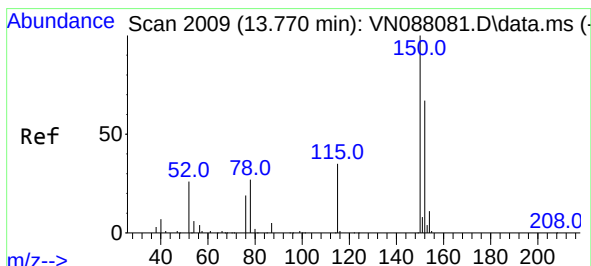
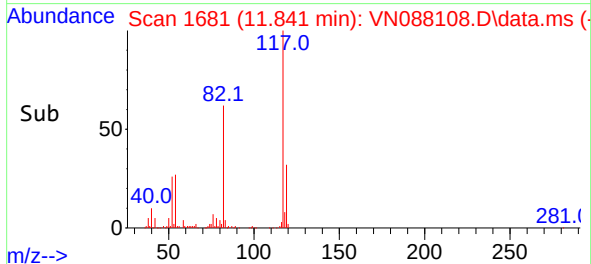
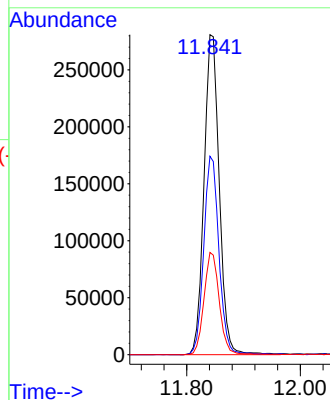
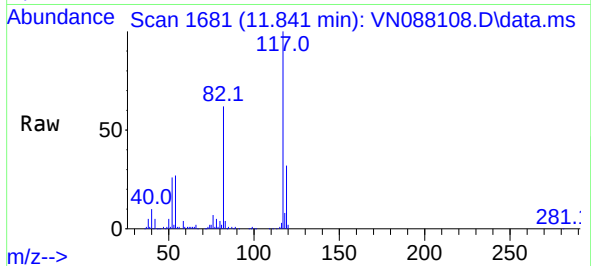




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

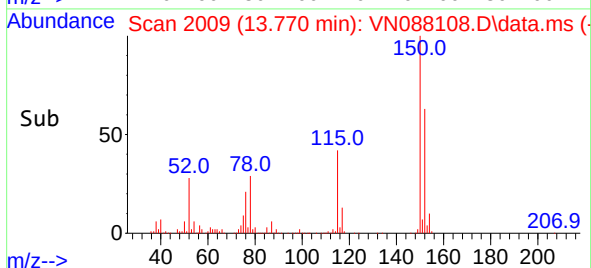
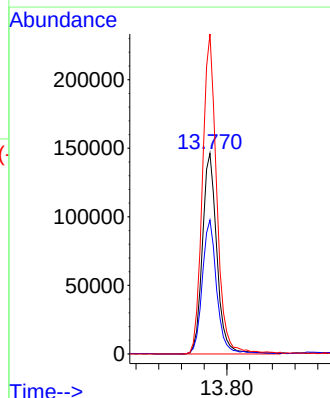
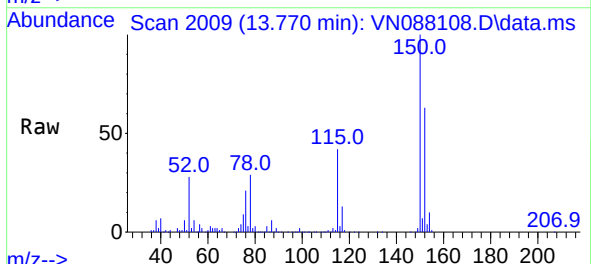
Instrument :
MSVOA_N
ClientSampleId :
MW2

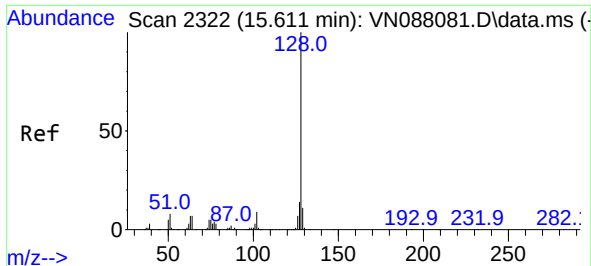
Tgt Ion:117 Resp: 522532
Ion Ratio Lower Upper
117 100
82 62.0 47.4 71.2
119 32.0 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088108.D
Acq: 27 Oct 2025 13:10

Tgt Ion:152 Resp: 258786
Ion Ratio Lower Upper
152 100
115 67.0 32.3 96.8
150 158.0 0.0 351.0





#95

Naphthalene

Concen: 4.310 ug/l

RT: 15.617 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN088108.D

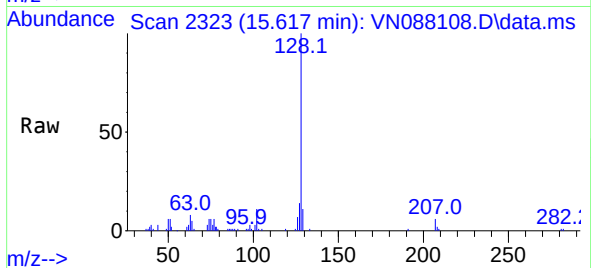
Acq: 27 Oct 2025 13:10

Instrument :

MSVOA_N

ClientSampleId :

MW2



Tgt Ion:128 Resp: 74063

Ion Ratio Lower Upper

128 100

127 14.2 10.6 15.8

129 10.3 8.6 12.8

