

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
 Data File : VN086768.D
 Acq On : 23 May 2025 10:52
 Operator : JC\MD
 Sample : VN0523WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBL01

Quant Time: May 24 02:29:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	261056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	476062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	449746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	197068	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	153688	42.605	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.200%
35) Dibromofluoromethane	8.165	113	142583	50.291	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.580%
50) Toluene-d8	10.565	98	597701	50.873	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.740%
62) 4-Bromofluorobenzene	12.847	95	215148	51.862	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.720%

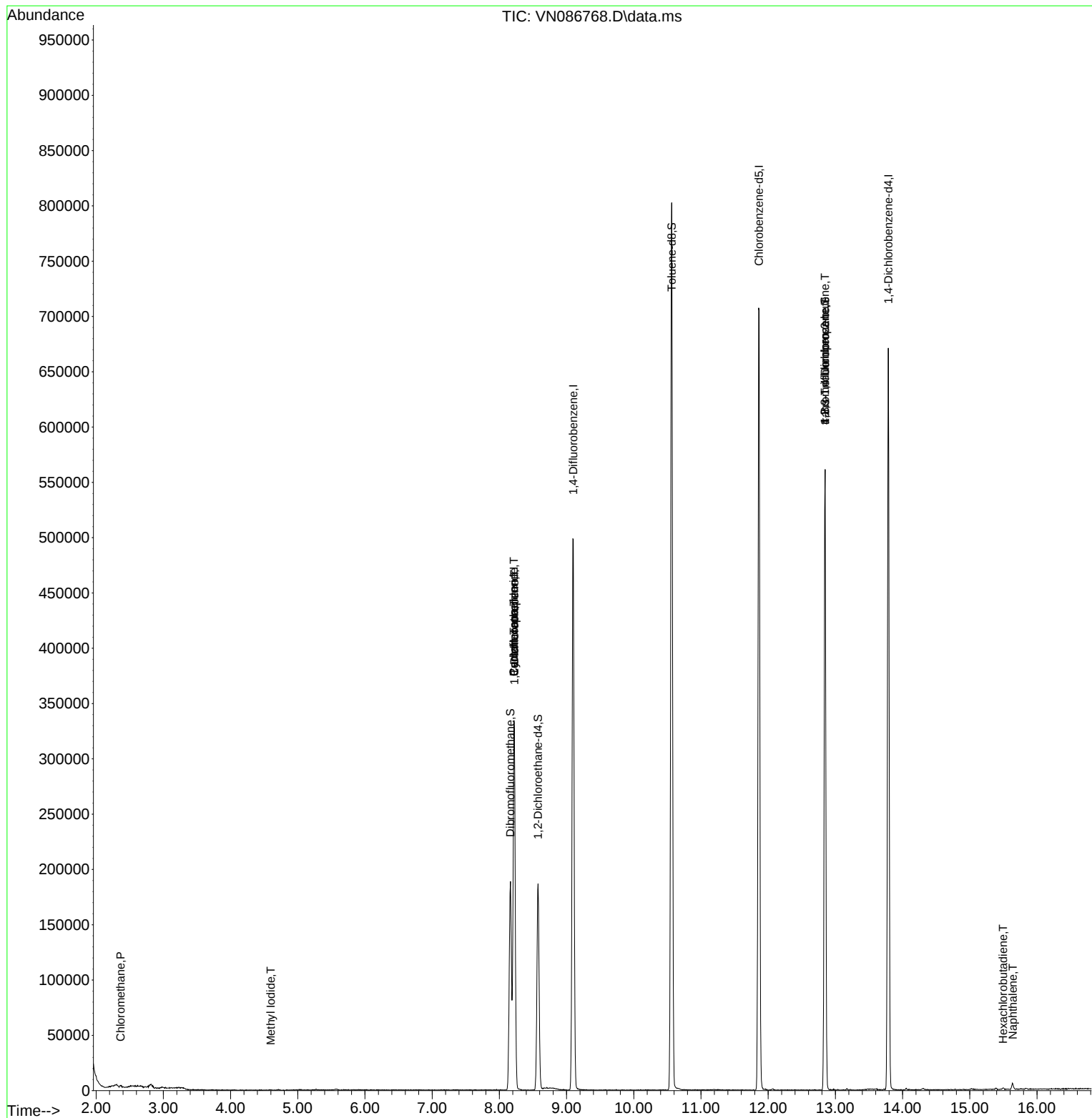
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1342	0.315	ug/l	93
10) Methyl Iodide	4.600	142	907	0.266	ug/l #	43
31) Cyclohexane	8.218	56	4579	0.846	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	19146	4.578	ug/l #	49
38) Carbon Tetrachloride	8.218	117	24990	6.065	ug/l #	15
76) 1,2,3-Trichloropropane	12.847	75	100835	22.625	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	100835	57.097	ug/l #	15
94) Hexachlorobutadiene	15.494	225	567	0.513	ug/l	74
95) Naphthalene	15.641	128	6357	0.688	ug/l	98

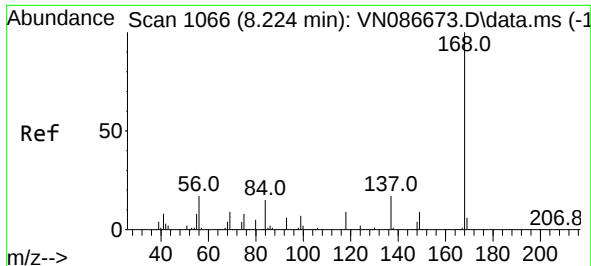
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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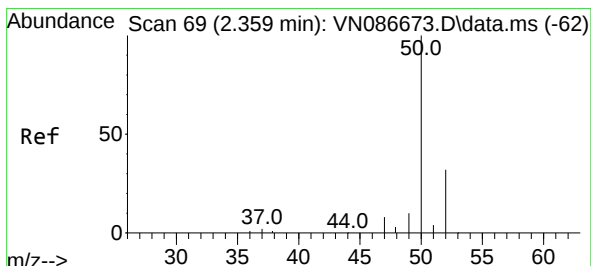
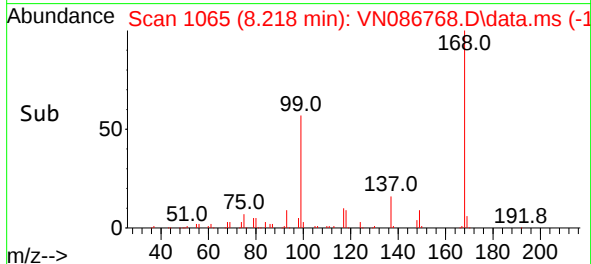
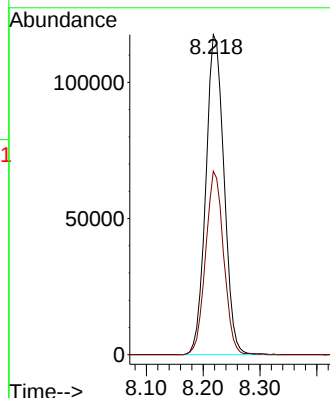
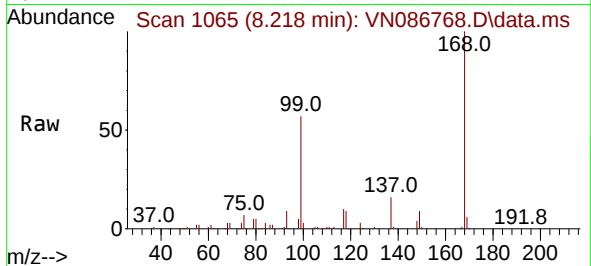




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086768.D
Acq: 23 May 2025 10:52

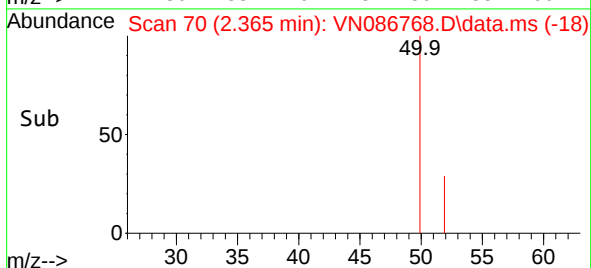
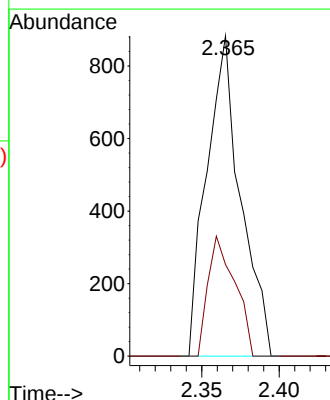
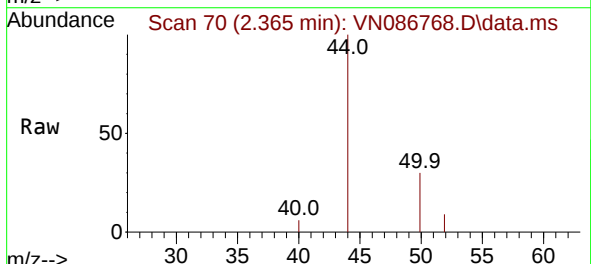
Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL01

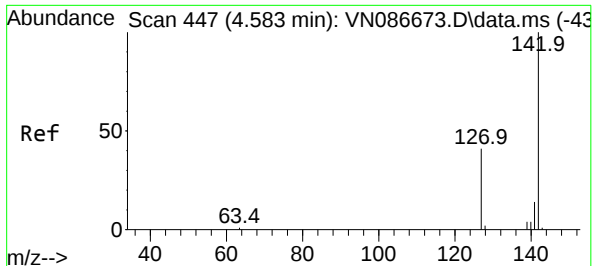
Tgt Ion:168 Resp: 261056
Ion Ratio Lower Upper
168 100
99 57.3 47.0 70.4



#3
Chloromethane
Concen: 0.315 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086768.D
Acq: 23 May 2025 10:52

Tgt Ion: 50 Resp: 1342
Ion Ratio Lower Upper
50 100
52 28.7 25.9 38.9

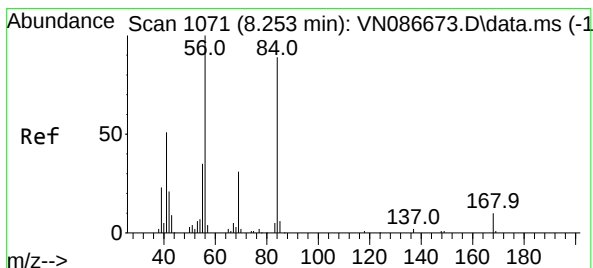
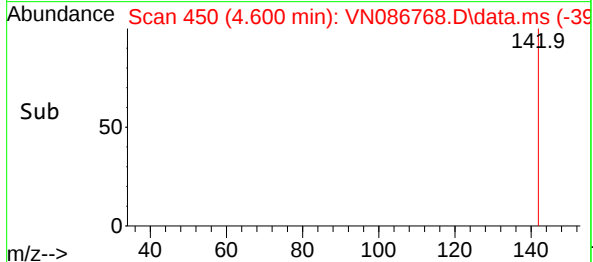
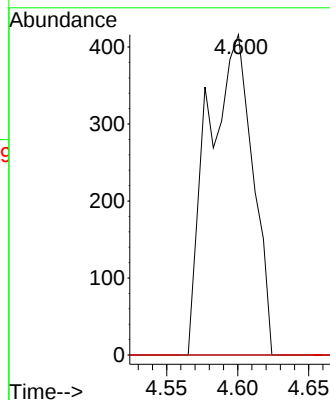
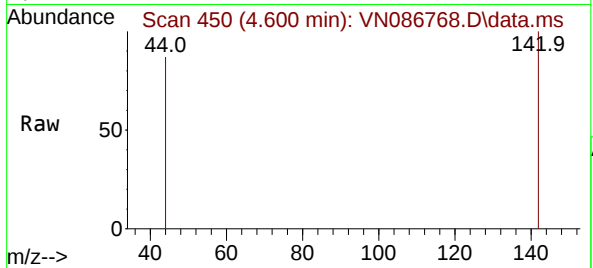




#10
Methyl Iodide
Concen: 0.266 ug/l
RT: 4.600 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN086768.D
Acq: 23 May 2025 10:52

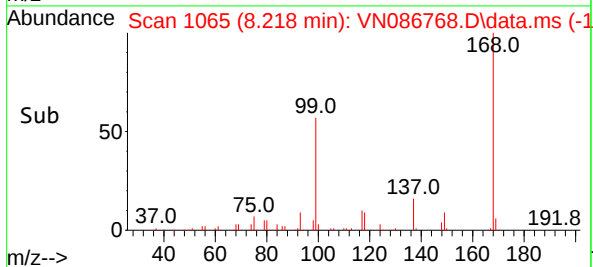
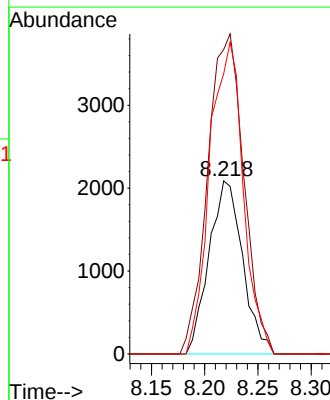
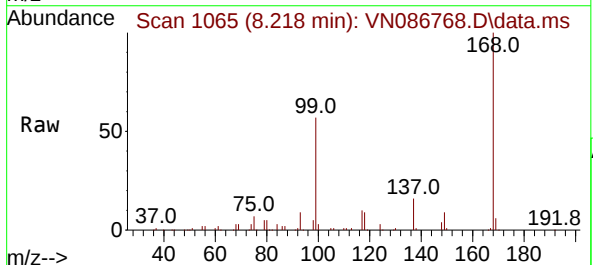
Instrument :
MSVOA_N
ClientSampleId :
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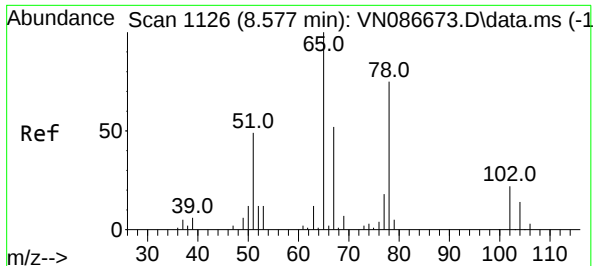
Tgt Ion:142 Resp: 907
Ion Ratio Lower Upper
142 100
127 0.0 32.4 48.6#
141 0.0 11.4 17.2#



#31
Cyclohexane
Concen: 0.846 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086768.D
Acq: 23 May 2025 10:52

Tgt Ion: 56 Resp: 4579
Ion Ratio Lower Upper
56 100
69 175.8 25.0 37.6#
84 162.0 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 42.605 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086768.D

Acq: 23 May 2025 10:52

Instrument :

MSVOA_N

ClientSampleId :

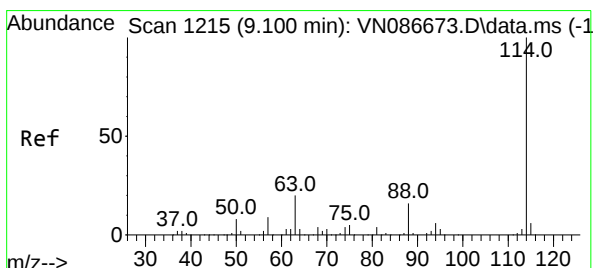
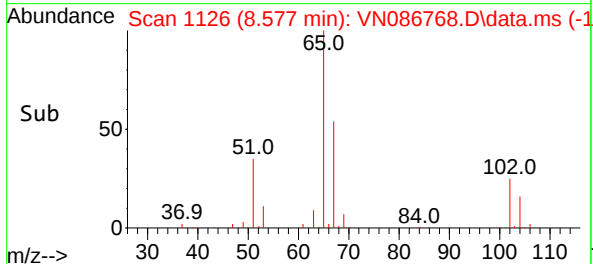
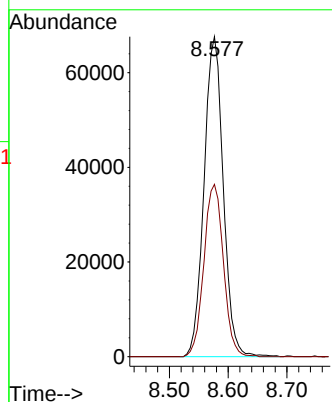
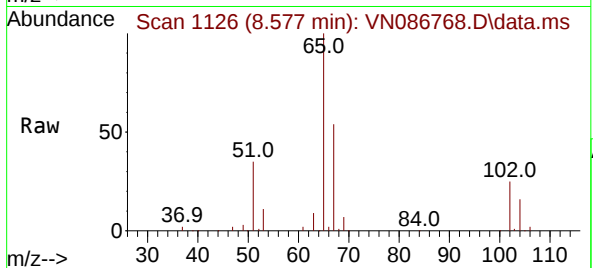
VN0523WBL01

Tgt Ion: 65 Resp: 153688

Ion Ratio Lower Upper

65 100

67 54.7 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086768.D

Acq: 23 May 2025 10:52

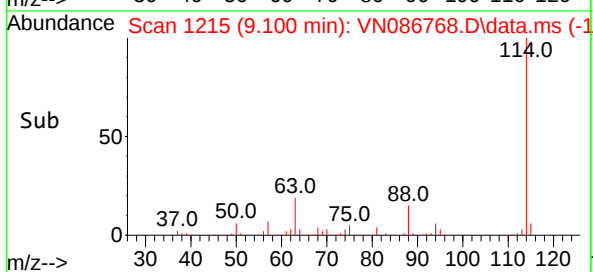
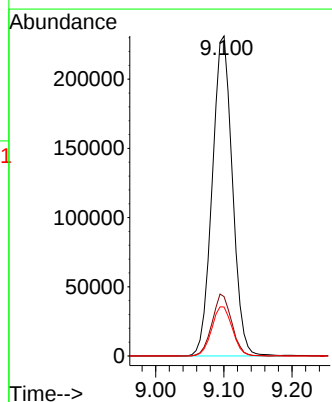
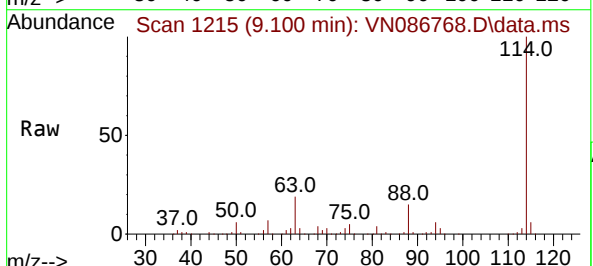
Tgt Ion:114 Resp: 476062

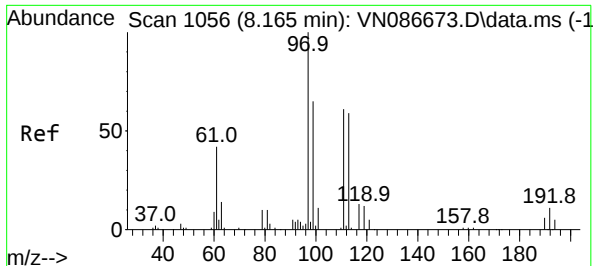
Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.2

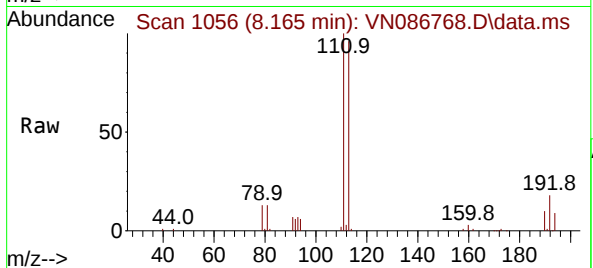
88 15.3 0.0 31.2



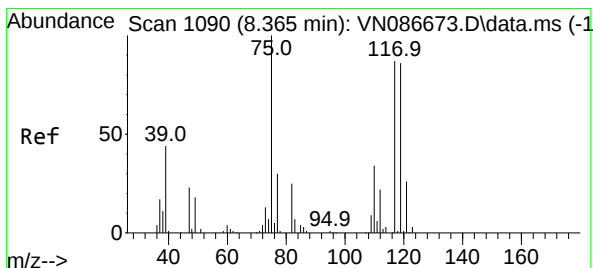
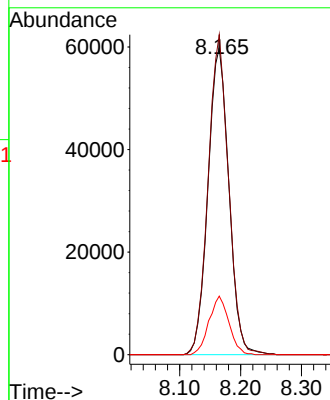
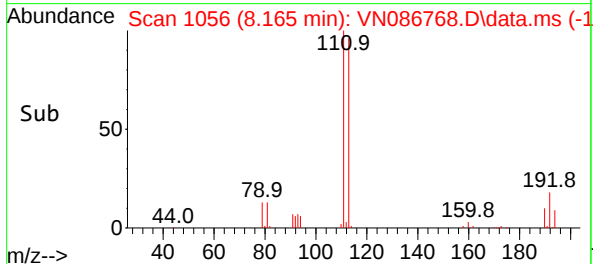


#35
Dibromofluoromethane
Concen: 50.291 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086768.D
Acq: 23 May 2025 10:52

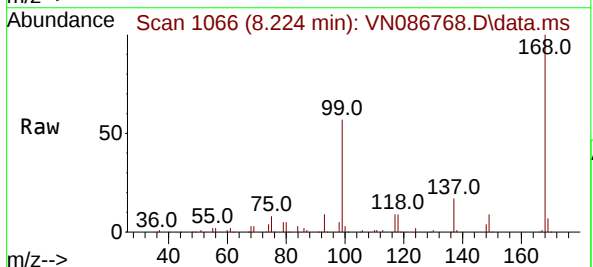
Instrument :
MSVOA_N
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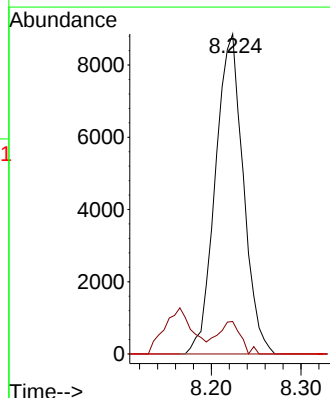
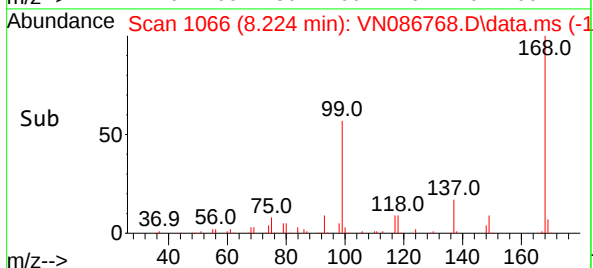
Tgt Ion:113 Resp: 142583
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.2
192 18.2 13.8 20.8

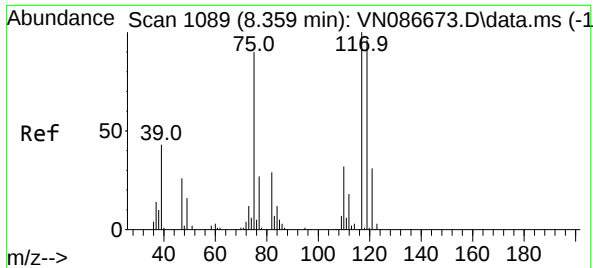


#36
1,1-Dichloropropene
Concen: 4.578 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN086768.D
Acq: 23 May 2025 10:52



Tgt Ion: 75 Resp: 19146
Ion Ratio Lower Upper
75 100
110 8.5 17.5 52.5#
77 0.0 25.1 37.7#

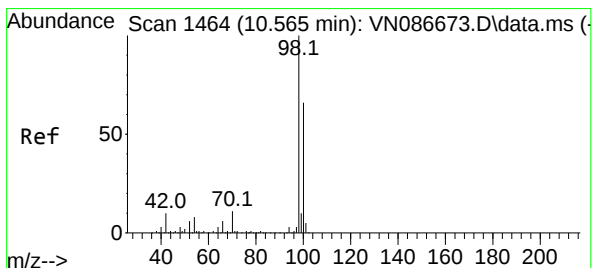
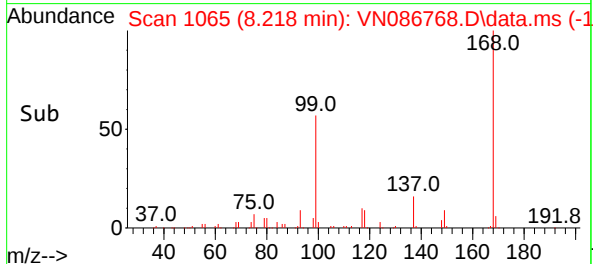
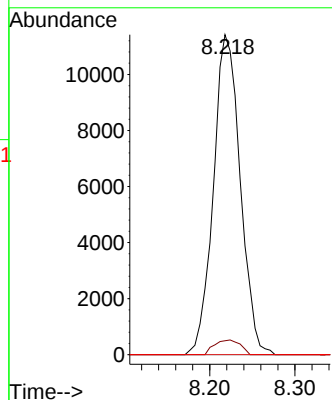
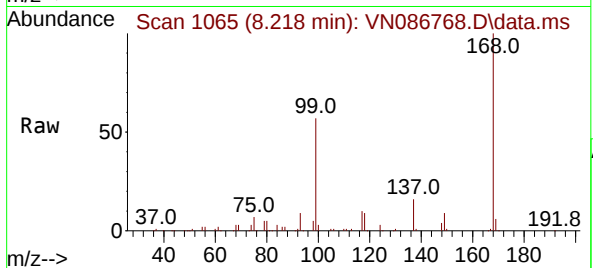




#38
Carbon Tetrachloride
Concen: 6.065 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086768.D
Acq: 23 May 2025 10:52

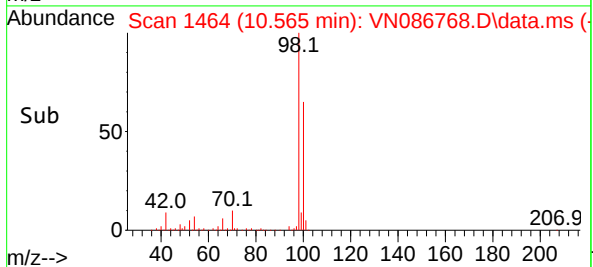
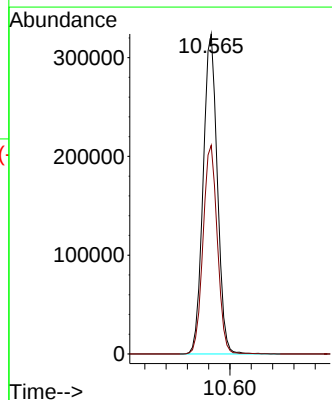
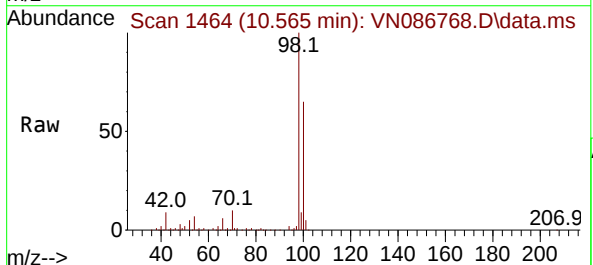
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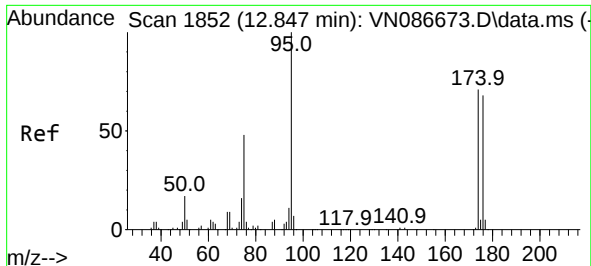
Tgt Ion:117 Resp: 24990
Ion Ratio Lower Upper
117 100
119 4.4 77.0 115.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 50.873 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086768.D
Acq: 23 May 2025 10:52

Tgt Ion: 98 Resp: 597701
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3

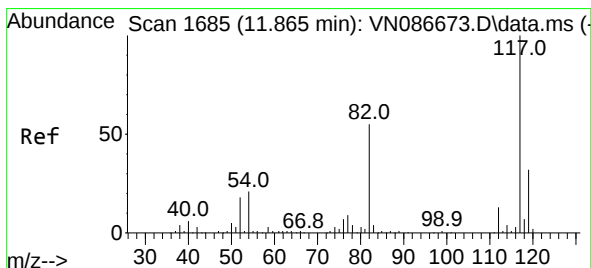
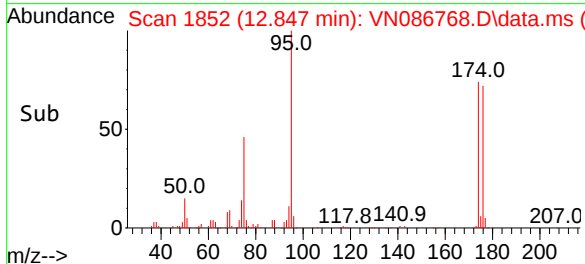
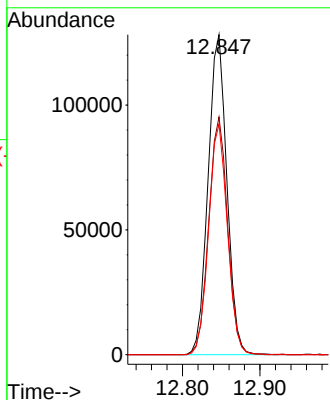
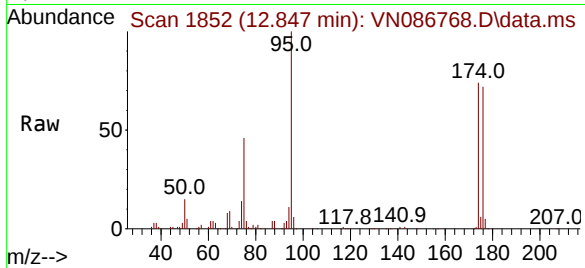




#62
4-Bromofluorobenzene
Concen: 51.862 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086768.D
Acq: 23 May 2025 10:52

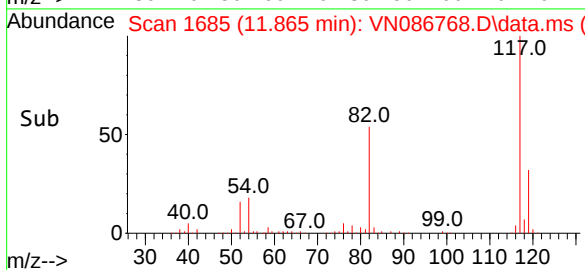
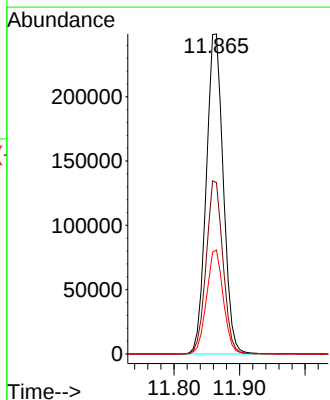
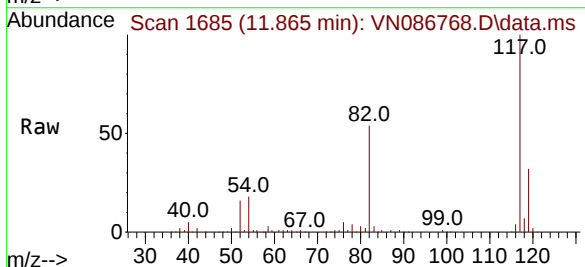
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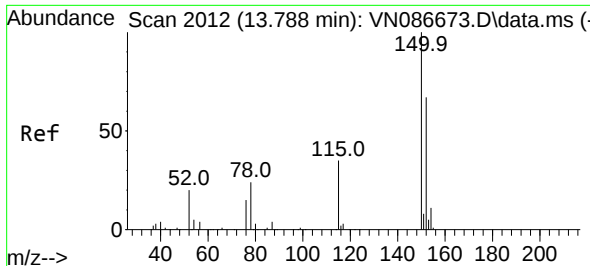
Tgt Ion: 95 Resp: 215148
Ion Ratio Lower Upper
95 100
174 75.0 0.0 145.4
176 72.0 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086768.D
Acq: 23 May 2025 10:52

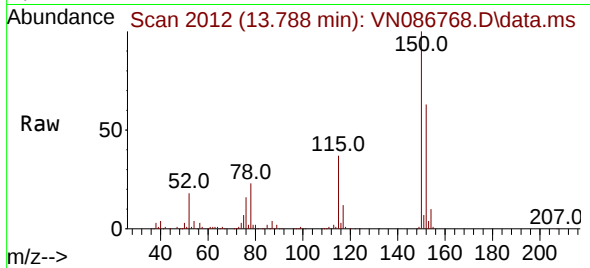
Tgt Ion: 117 Resp: 449746
Ion Ratio Lower Upper
117 100
82 53.5 44.2 66.2
119 32.5 25.4 38.2



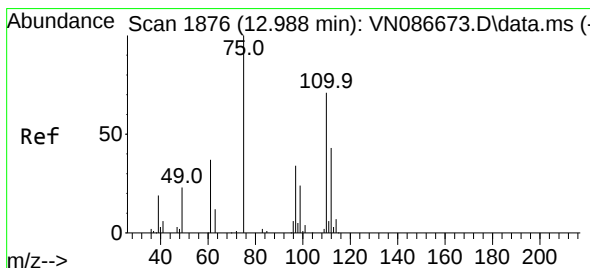
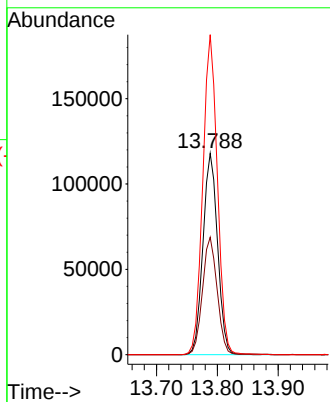
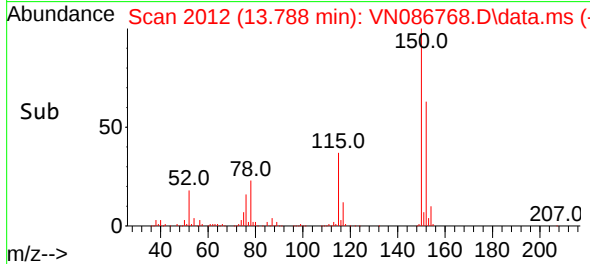


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN086768.D
 Acq: 23 May 2025 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBL01

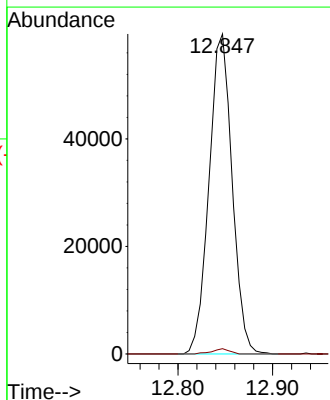
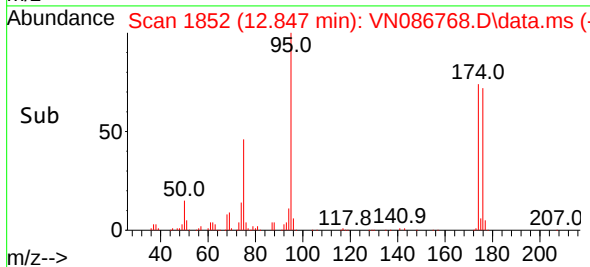
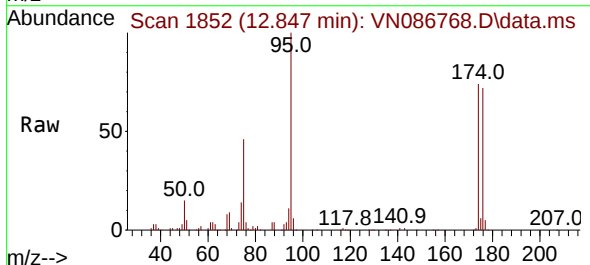


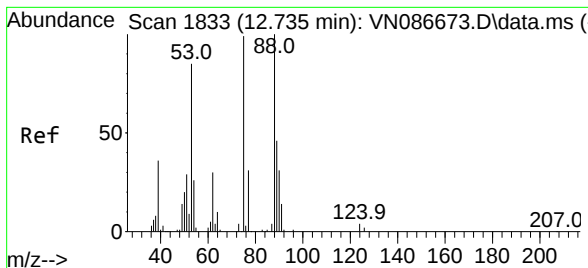
Tgt Ion:152 Resp: 197068
 Ion Ratio Lower Upper
 152 100
 115 58.3 30.0 90.1
 150 157.9 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 22.625 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN086768.D
 Acq: 23 May 2025 10:52

Tgt Ion: 75 Resp: 100835
 Ion Ratio Lower Upper
 75 100
 77 1.2 96.0 288.1#

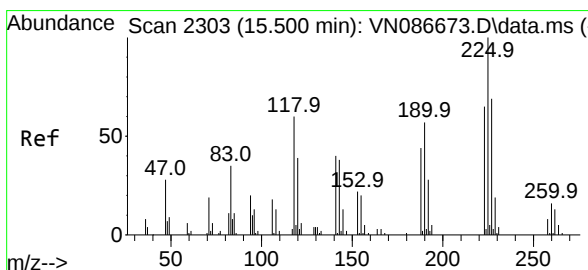
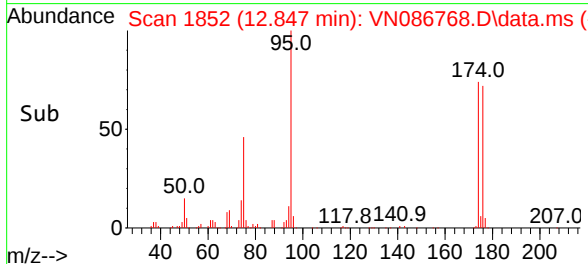
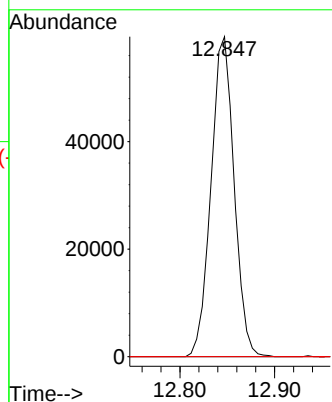
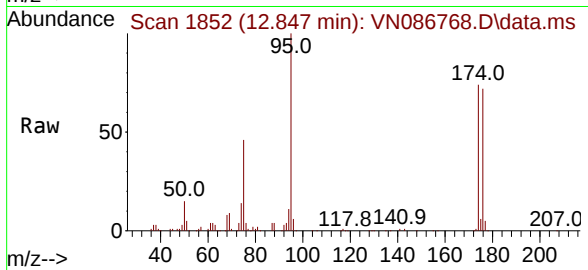




#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.097 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086768.D
 Acq: 23 May 2025 10:52

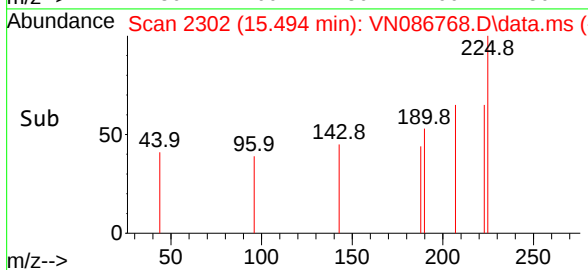
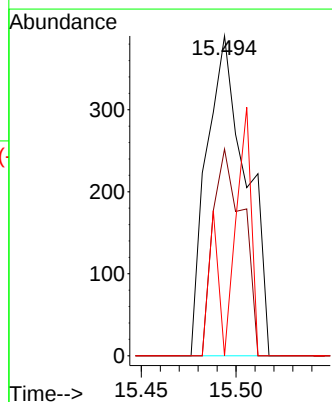
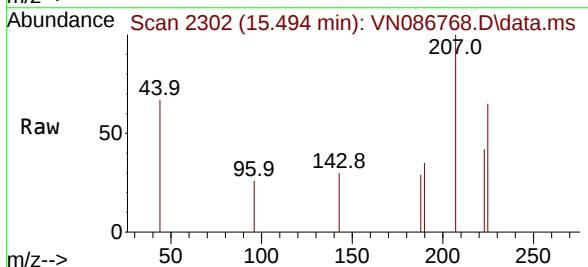
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBL01

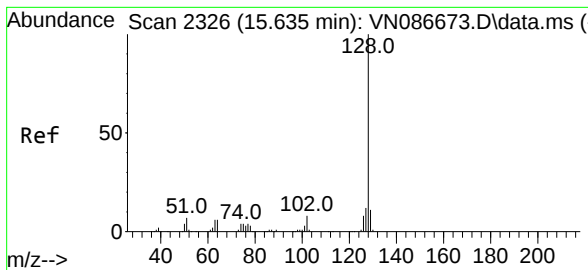
Tgt Ion: 75 Resp: 100835
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 32.4 48.6#



#94
 Hexachlorobutadiene
 Concen: 0.513 ug/l
 RT: 15.494 min Scan# 2302
 Delta R.T. -0.006 min
 Lab File: VN086768.D
 Acq: 23 May 2025 10:52

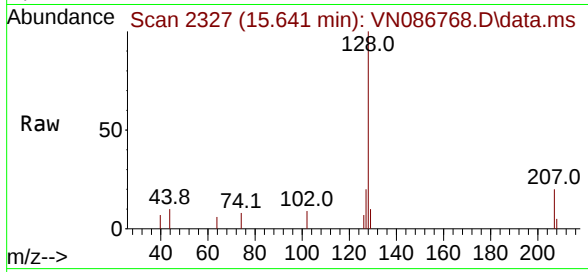
Tgt Ion: 225 Resp: 567
 Ion Ratio Lower Upper
 225 100
 223 48.9 32.9 98.6
 227 40.0 32.4 97.2





#95
Naphthalene
Concen: 0.688 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN086768.D
Acq: 23 May 2025 10:52

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL01



Tgt Ion:	128	Resp:	6357
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.1	15.1
129	10.3	8.6	13.0

