

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100124\
 Data File : VN084232.D
 Acq On : 01 Oct 2024 12:18
 Operator : JC\MD
 Sample : VN1001MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001MBL01

Quant Time: Oct 02 01:59:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

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

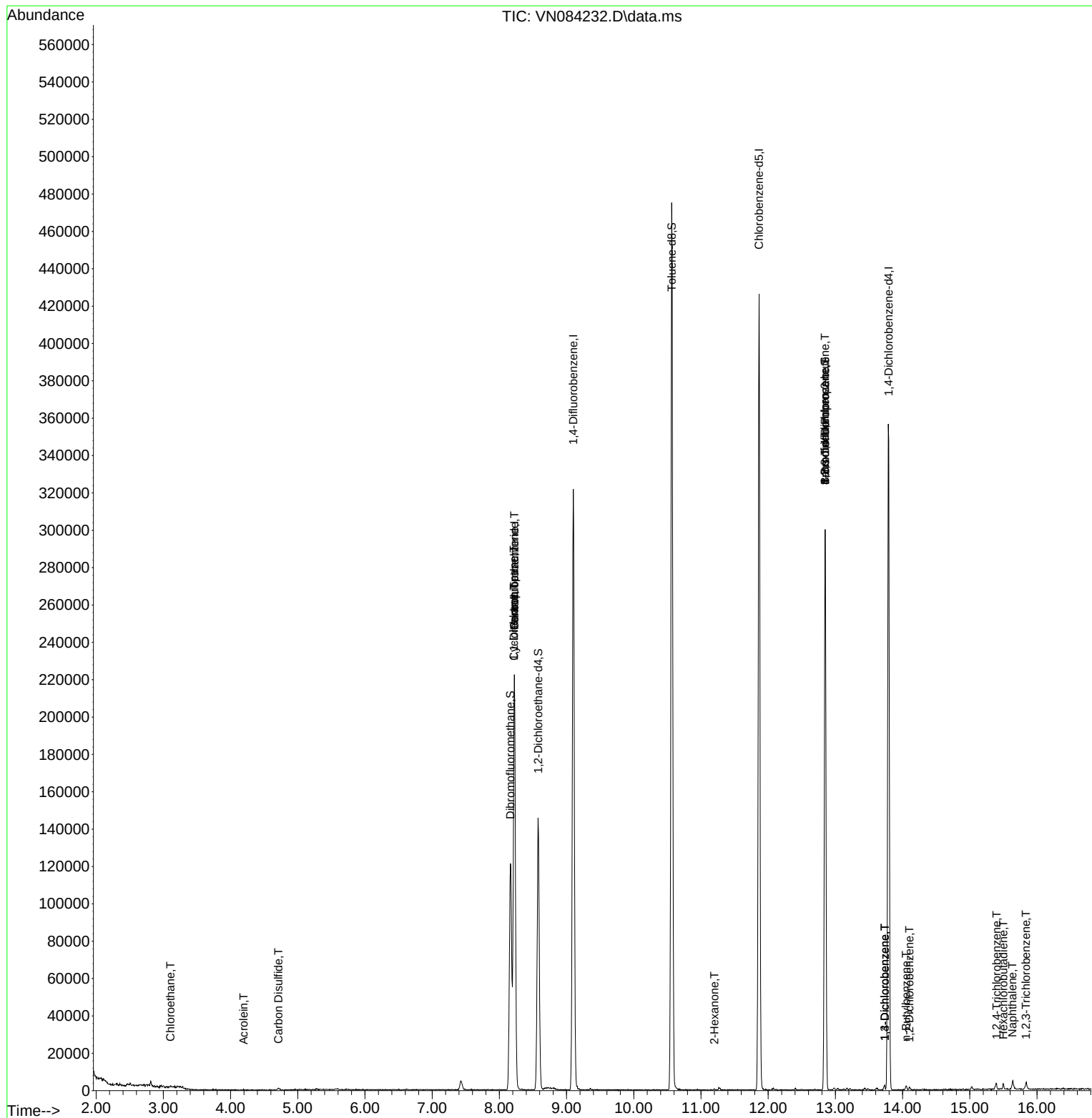
Internal Standards						
1) Pentafluorobenzene	8.224	168	152736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	269074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	230477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	95011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116492	51.441	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.880%	
35) Dibromofluoromethane	8.165	113	89744	50.591	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.180%	
50) Toluene-d8	10.565	98	323058	49.500	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.000%	
62) 4-Bromofluorobenzene	12.847	95	104637	44.009	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 88.020%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.106	64	440	0.307	ug/l #	45
13) Acrolein	4.195	56	87	0.203	ug/l	96
17) Carbon Disulfide	4.712	76	2277	0.418	ug/l #	75
31) Cyclohexane	8.218	56	3802	1.133	ug/l #	2
36) 1,1-Dichloropropene	8.218	75	13128	5.095	ug/l #	50
38) Carbon Tetrachloride	8.224	117	17148	6.067	ug/l #	14
59) 2-Hexanone	11.200	43	505	0.269	ug/l #	24
71) Bromoform	12.847	173	536	0.414	ug/l #	30
76) 1,2,3-Trichloropropane	12.847	75	55483	28.604	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	55483	68.577	ug/l #	11
87) 1,3-Dichlorobenzene	13.735	146	936	0.285	ug/l	80
88) 1,4-Dichlorobenzene	13.735	146	936	0.283	ug/l	81
89) n-Butylbenzene	14.053	91	1674	0.318	ug/l	89
91) 1,2-Dichlorobenzene	14.100	146	1028	0.320	ug/l	73
93) 1,2,4-Trichlorobenzene	15.400	180	1241	0.783	ug/l	92
94) Hexachlorobutadiene	15.500	225	716	0.906	ug/l	80
95) Naphthalene	15.635	128	4822	0.918	ug/l	96
96) 1,2,3-Trichlorobenzene	15.835	180	1652	1.042	ug/l	87

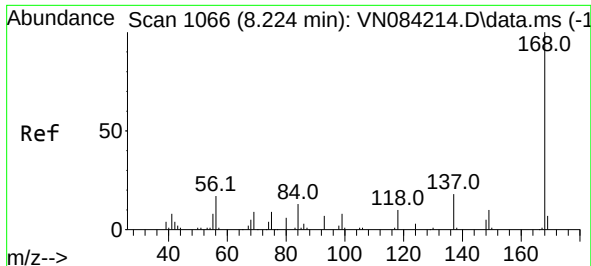
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

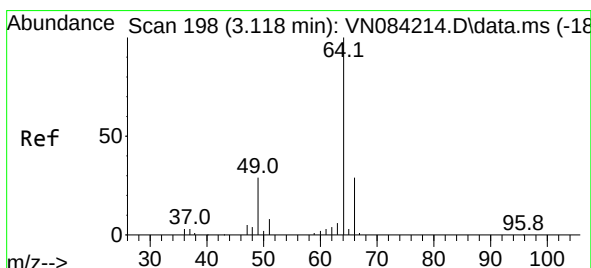
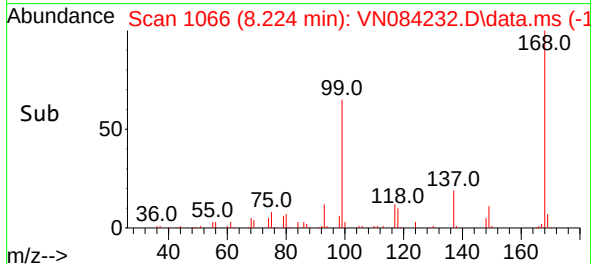
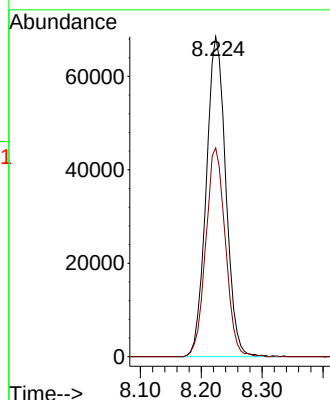
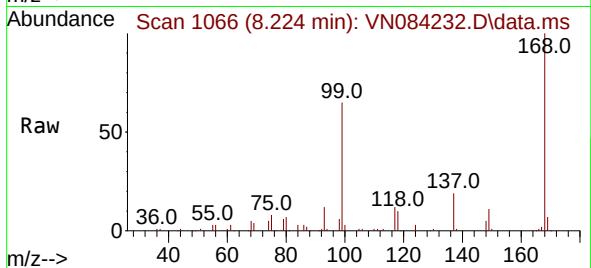




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084232.D
Acq: 01 Oct 2024 12:18

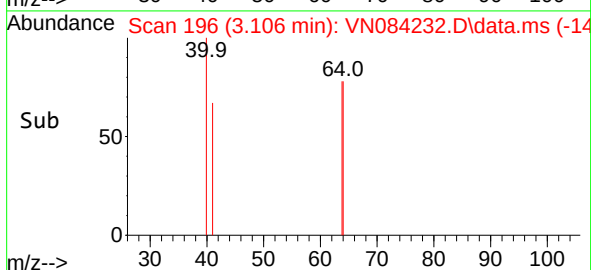
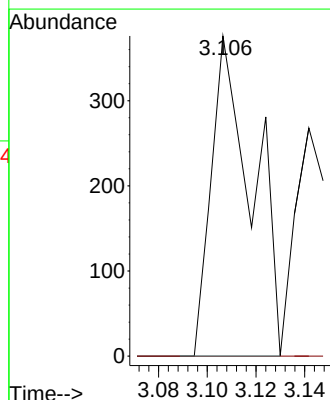
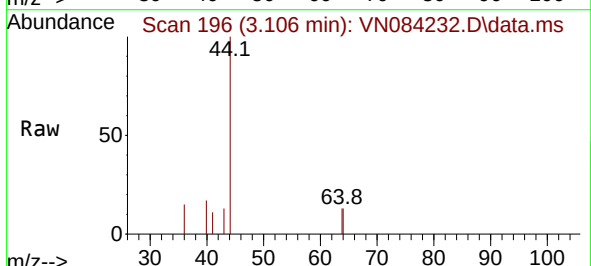
Instrument :
MSVOA_N
ClientSampleId :
VN1001MBL01

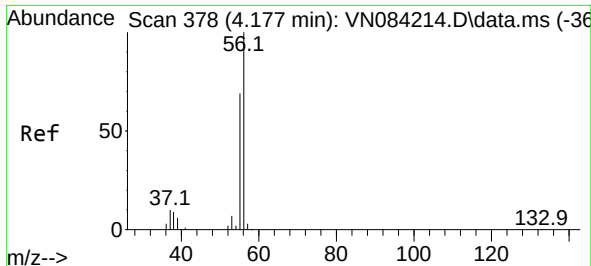
Tgt Ion:168 Resp: 152736
Ion Ratio Lower Upper
168 100
99 65.3 54.2 81.2



#6
Chloroethane
Concen: 0.307 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN084232.D
Acq: 01 Oct 2024 12:18

Tgt Ion: 64 Resp: 440
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

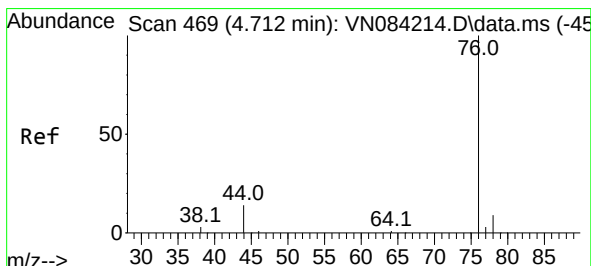
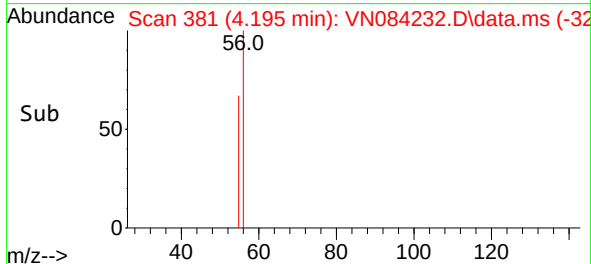
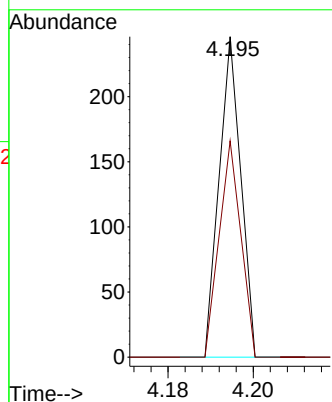
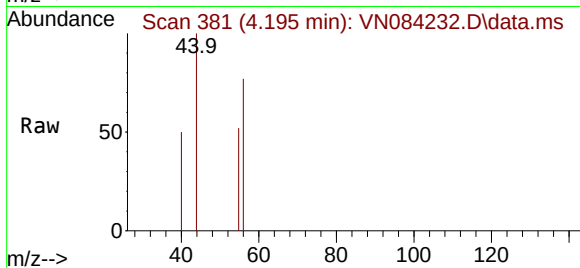




#13
Acrolein
Concen: 0.203 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN084232.D
Acq: 01 Oct 2024 12:18

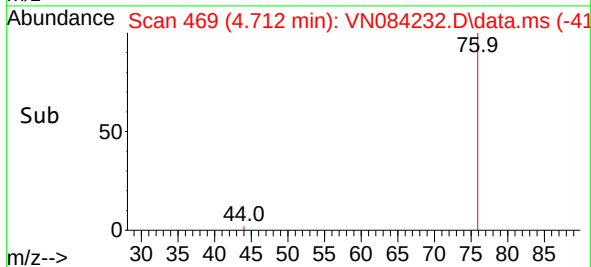
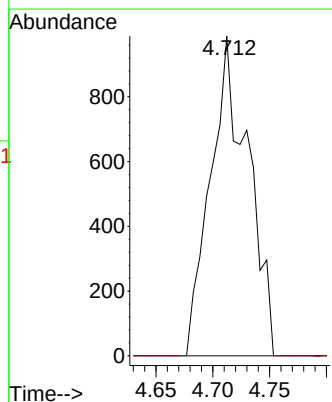
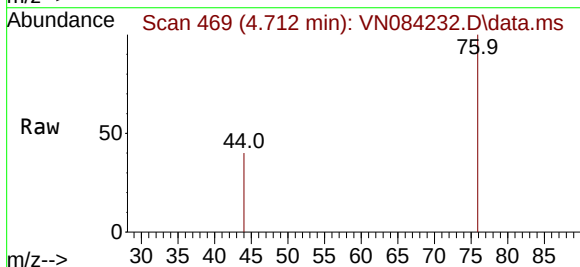
Instrument :
MSVOA_N
ClientSampleId :
VN1001MBL01

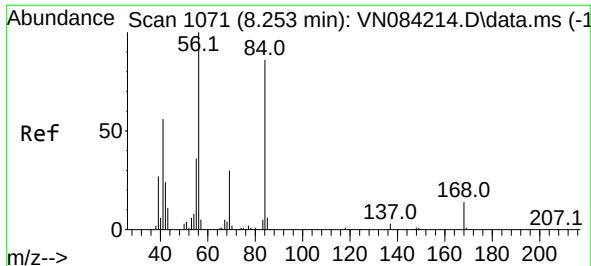
Tgt Ion: 56 Resp: 87
Ion Ratio Lower Upper
56 100
55 67.8 57.2 85.8



#17
Carbon Disulfide
Concen: 0.418 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN084232.D
Acq: 01 Oct 2024 12:18

Tgt Ion: 76 Resp: 2277
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

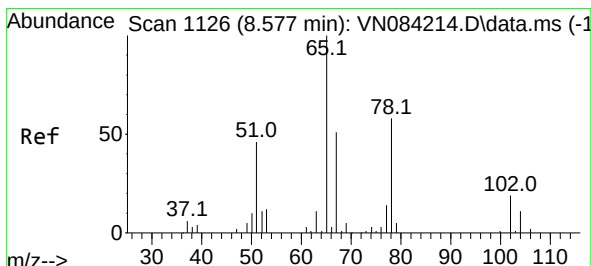
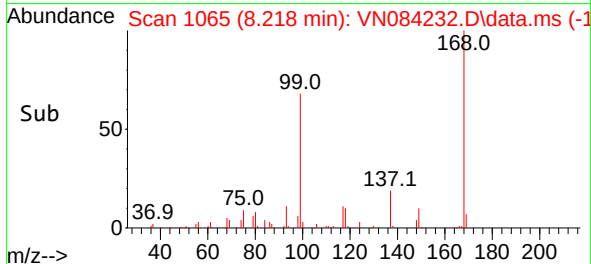
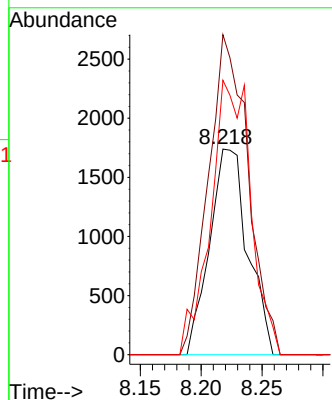
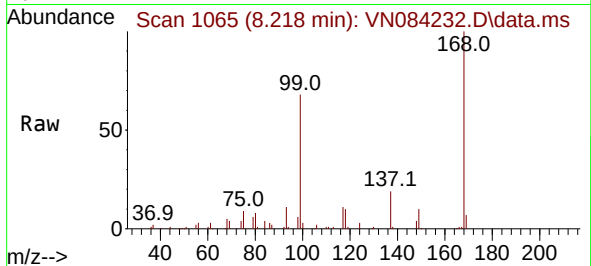




#31
Cyclohexane
Concen: 1.133 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084232.D
Acq: 01 Oct 2024 12:18

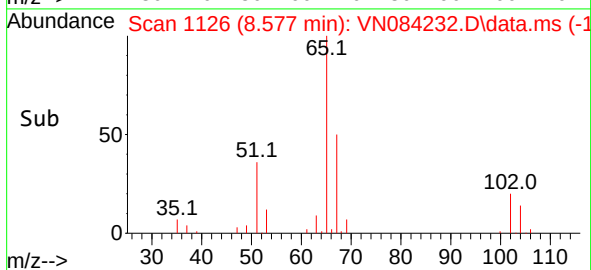
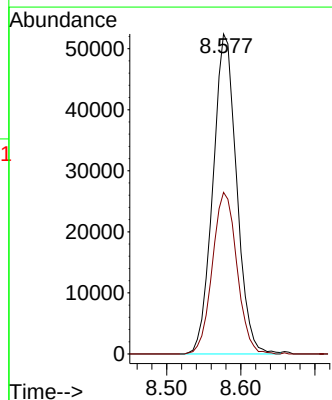
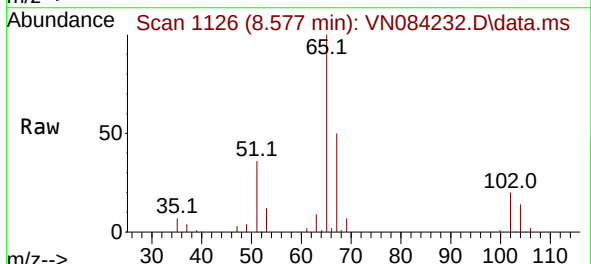
Instrument :
MSVOA_N
ClientSampleId :
VN1001MBL01

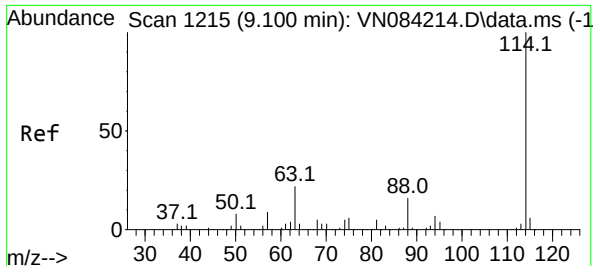
Tgt Ion: 56 Resp: 3802
Ion Ratio Lower Upper
56 100
69 155.7 23.8 35.6#
84 133.5 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 51.441 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084232.D
Acq: 01 Oct 2024 12:18

Tgt Ion: 65 Resp: 116492
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084232.D

Acq: 01 Oct 2024 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1001MBL01

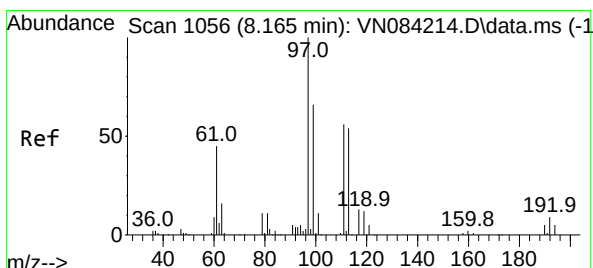
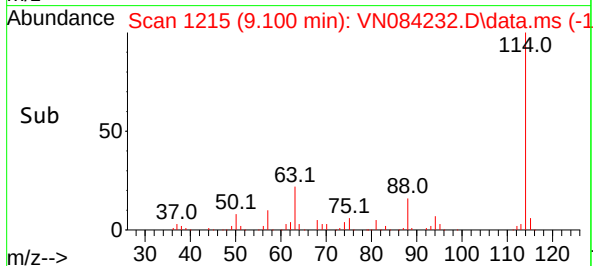
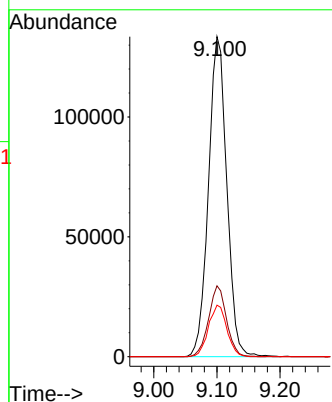
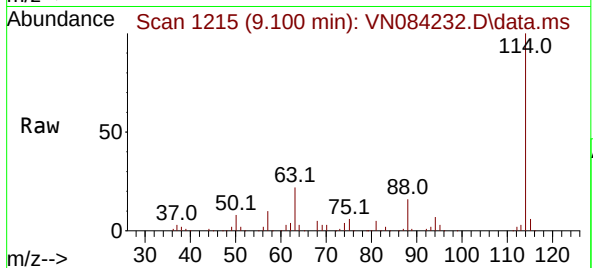
Tgt Ion:114 Resp: 269074

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.8

88 16.1 0.0 31.6



#35

Dibromofluoromethane

Concen: 50.591 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084232.D

Acq: 01 Oct 2024 12:18

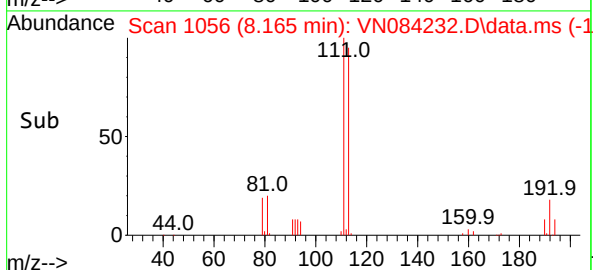
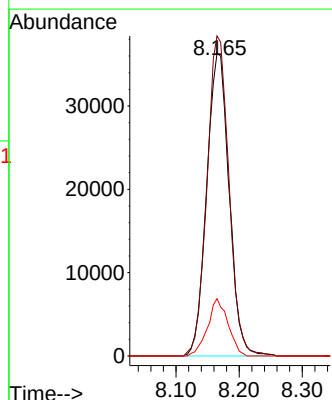
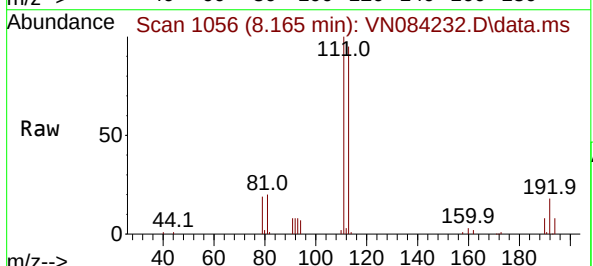
Tgt Ion:113 Resp: 89744

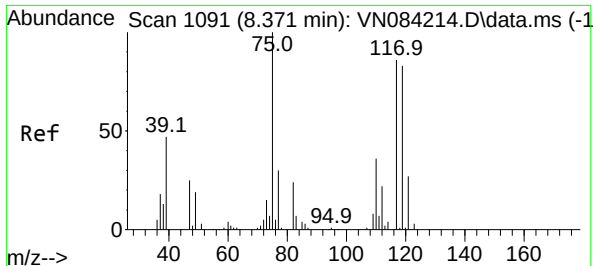
Ion Ratio Lower Upper

113 100

111 103.1 83.3 124.9

192 17.2 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.095 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084232.D

Acq: 01 Oct 2024 12:18

Instrument :

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ClientSampleId :

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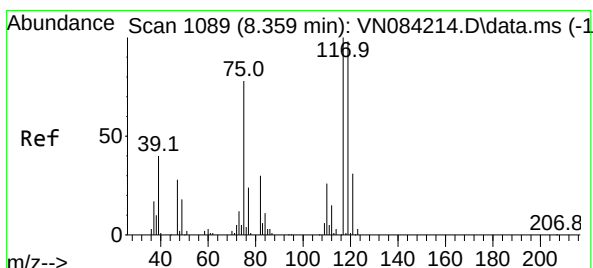
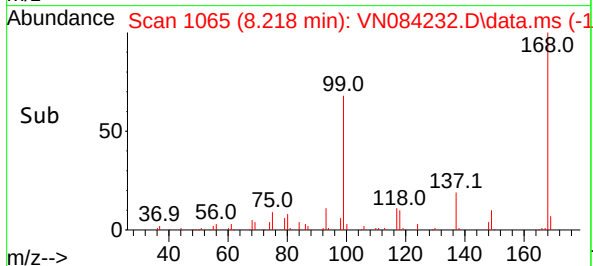
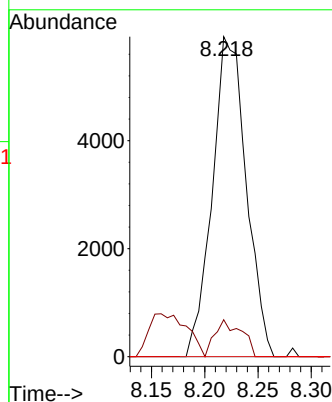
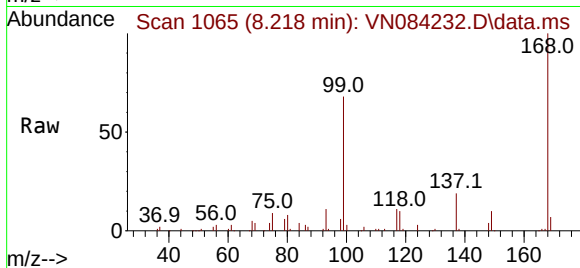
Tgt Ion: 75 Resp: 13128

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.067 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084232.D

Acq: 01 Oct 2024 12:18

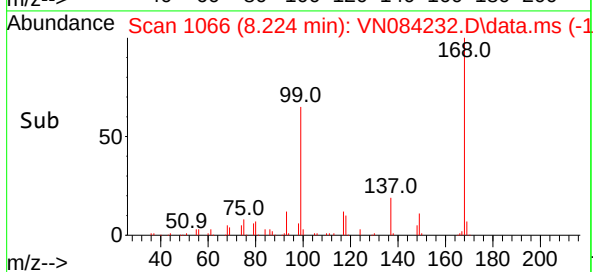
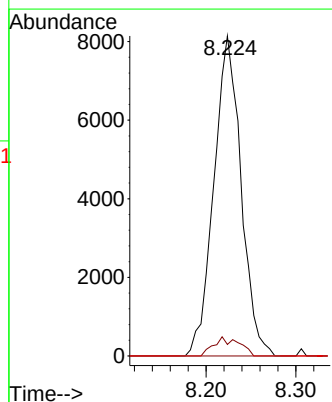
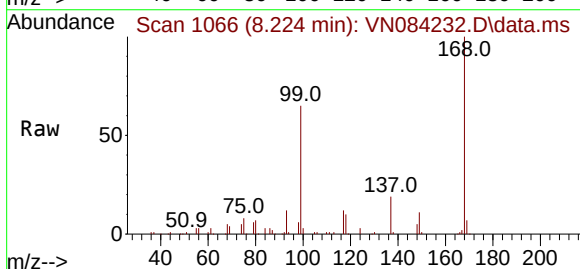
Tgt Ion: 117 Resp: 17148

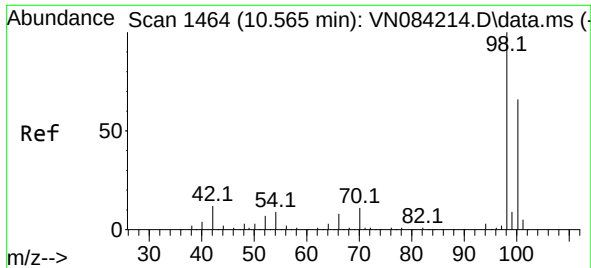
Ion Ratio Lower Upper

117 100

119 3.6 78.7 118.1#

121 0.0 24.4 36.6#

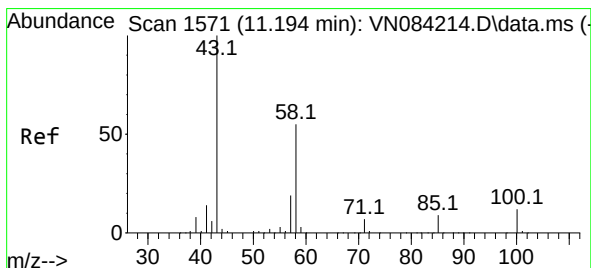
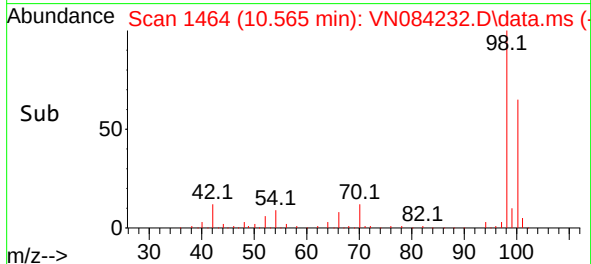
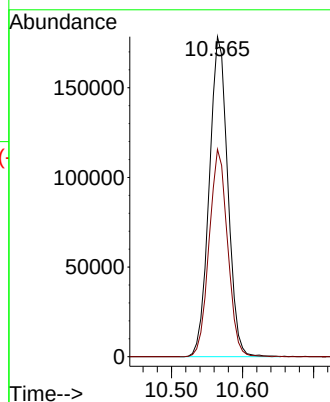
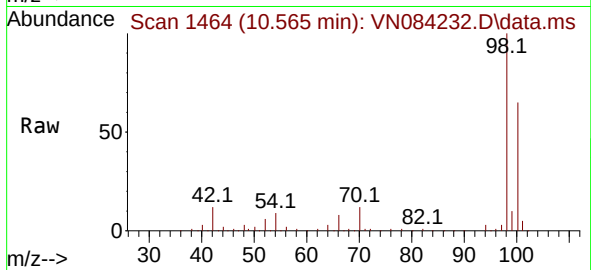




#50
Toluene-d8
Concen: 49.500 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084232.D
Acq: 01 Oct 2024 12:18

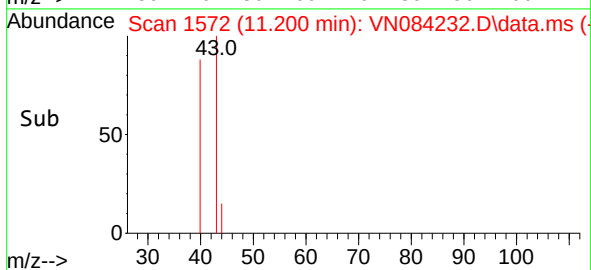
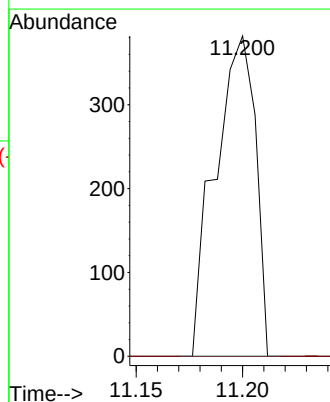
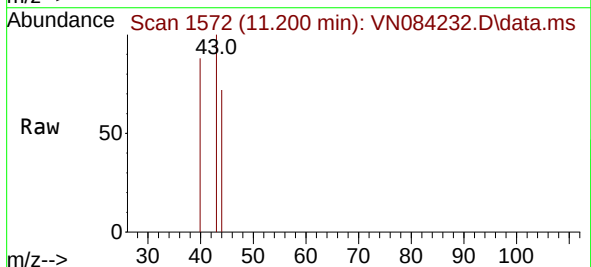
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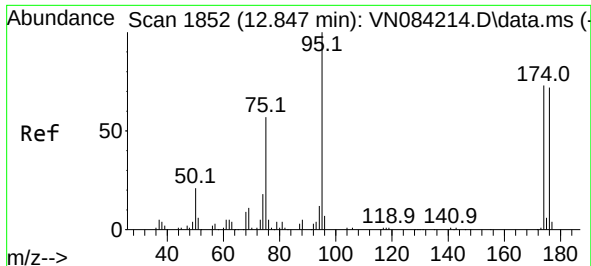
Tgt Ion: 98 Resp: 323058
Ion Ratio Lower Upper
98 100
100 64.6 52.7 79.1



#59
2-Hexanone
Concen: 0.269 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN084232.D
Acq: 01 Oct 2024 12:18

Tgt Ion: 43 Resp: 505
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#

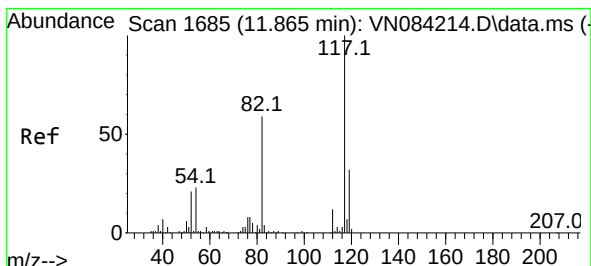
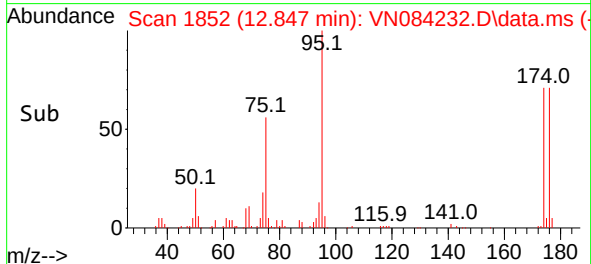
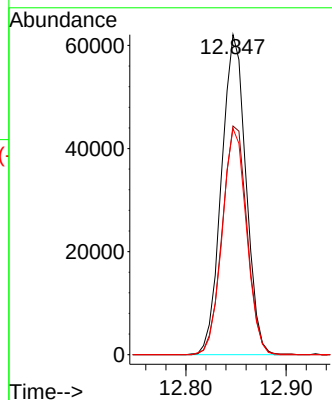
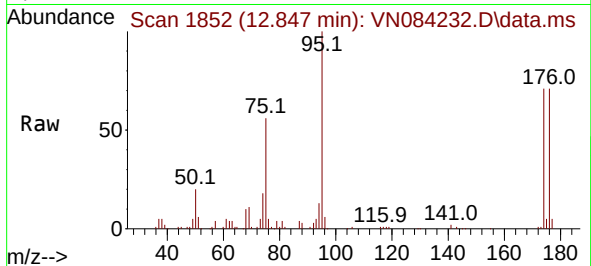




#62
4-Bromofluorobenzene
Concen: 44.009 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084232.D
Acq: 01 Oct 2024 12:18

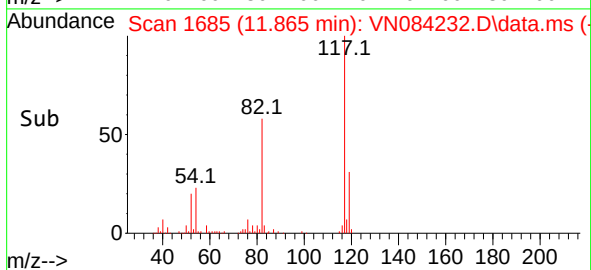
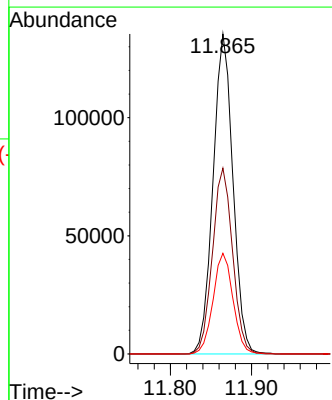
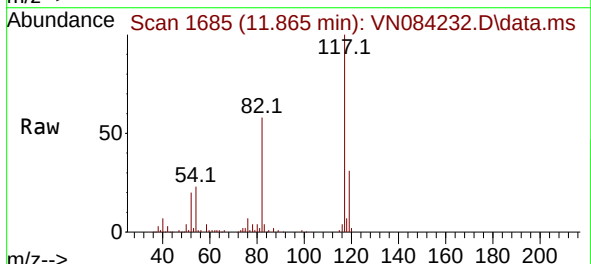
Instrument :
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VN1001MBL01

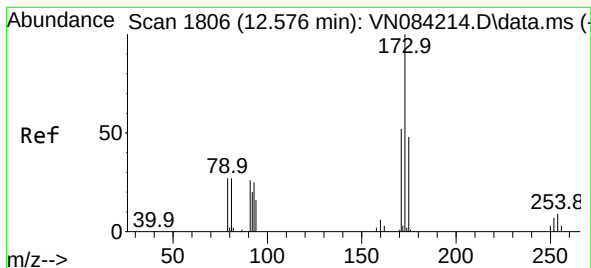
Tgt Ion: 95 Resp: 104637
Ion Ratio Lower Upper
95 100
174 72.8 0.0 145.2
176 70.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084232.D
Acq: 01 Oct 2024 12:18

Tgt Ion: 117 Resp: 230477
Ion Ratio Lower Upper
117 100
82 58.1 47.2 70.8
119 31.5 25.4 38.0





#71

Bromoform

Concen: 0.414 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN084232.D

Acq: 01 Oct 2024 12:18

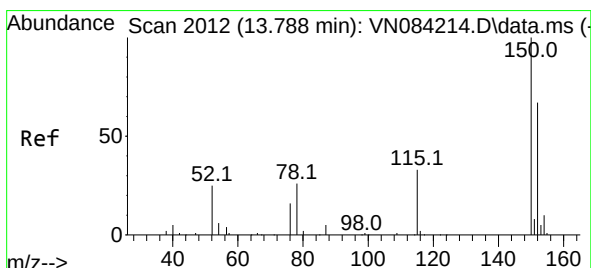
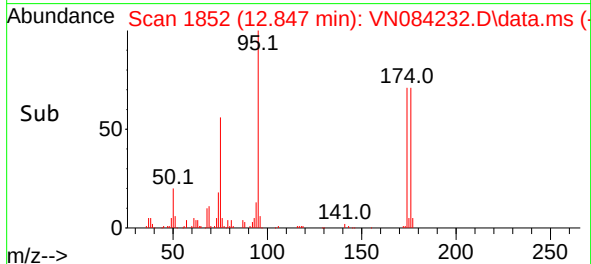
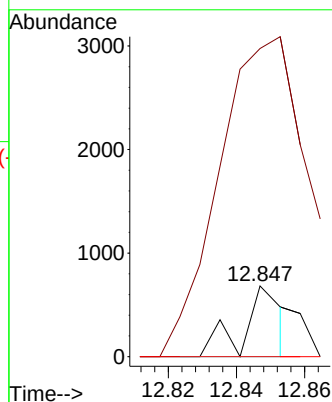
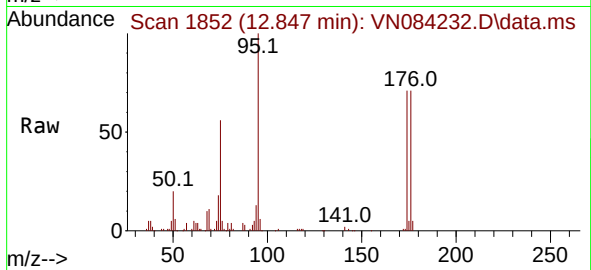
Instrument :

MSVOA_N

ClientSampleId :

VN1001MBL01

Tgt Ion:	173	Resp:	536
Ion Ratio	Lower	Upper	
173	100		
175	0.0	23.5	70.6#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

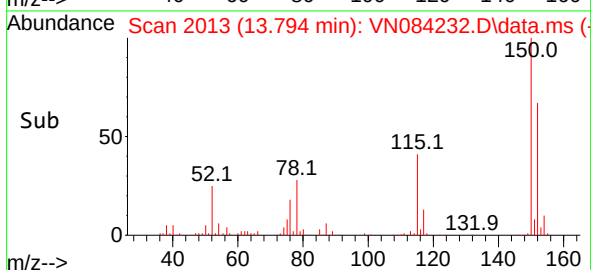
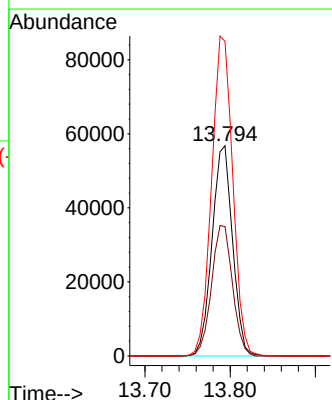
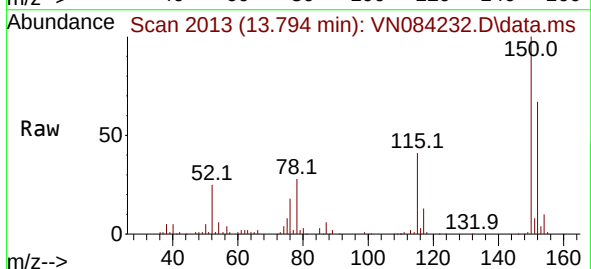
RT: 13.794 min Scan# 2013

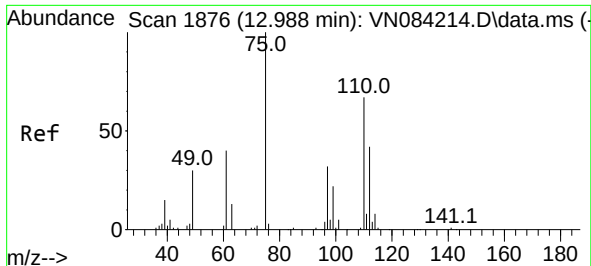
Delta R.T. 0.006 min

Lab File: VN084232.D

Acq: 01 Oct 2024 12:18

Tgt Ion:	152	Resp:	95011
Ion Ratio	Lower	Upper	
152	100		
115	63.4	31.3	93.9
150	156.5	0.0	349.8

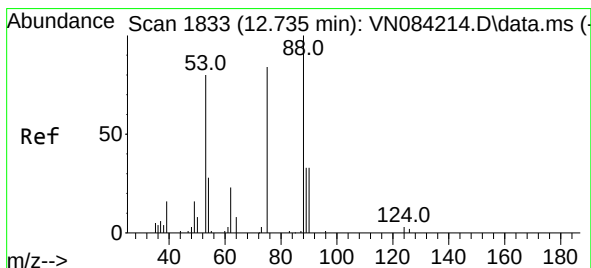
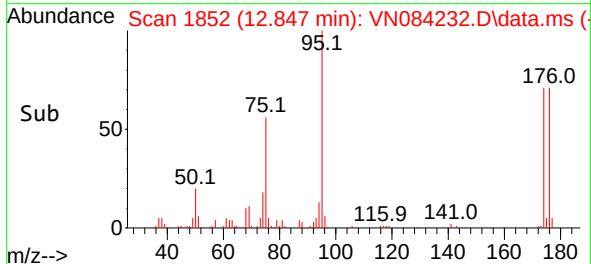
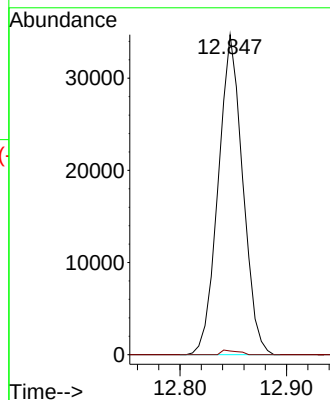
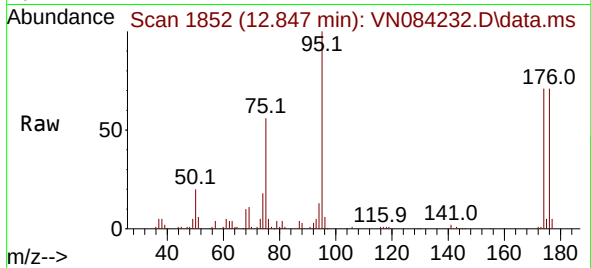




#76
1,2,3-Trichloropropane
Concen: 28.604 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084232.D
Acq: 01 Oct 2024 12:18

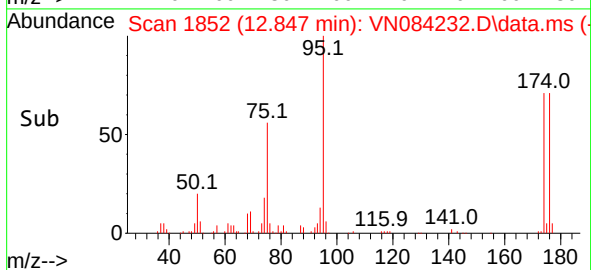
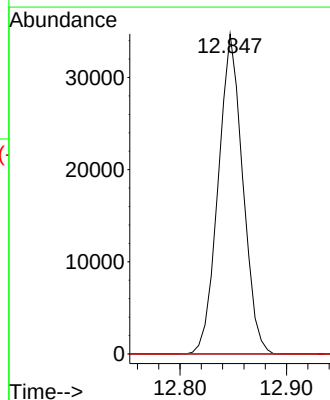
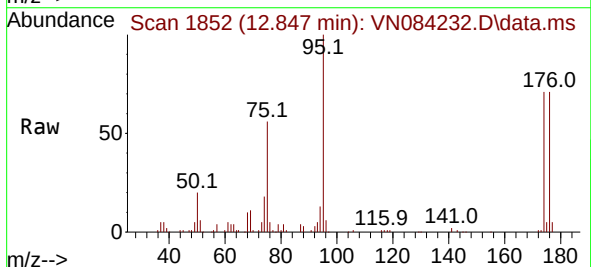
Instrument :
MSVOA_N
ClientSampleId :
VN1001MBL01

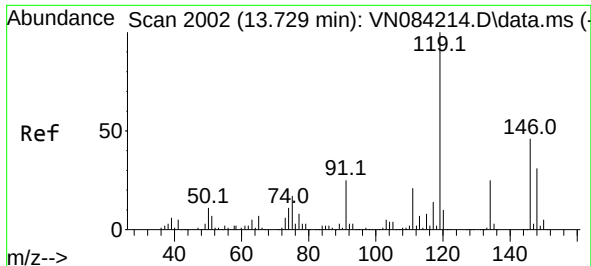
Tgt Ion: 75 Resp: 55483
Ion Ratio Lower Upper
75 100
77 1.0 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.577 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084232.D
Acq: 01 Oct 2024 12:18

Tgt Ion: 75 Resp: 55483
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#





#87

1,3-Dichlorobenzene

Concen: 0.285 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN084232.D

Acq: 01 Oct 2024 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1001MBL01

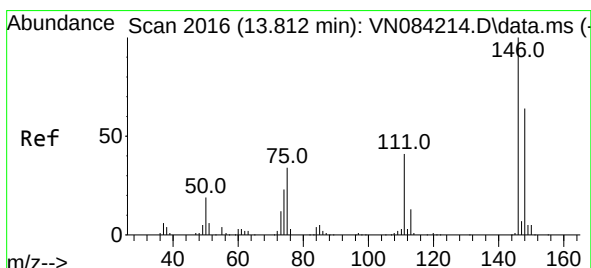
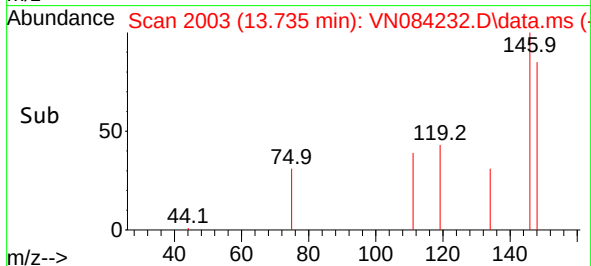
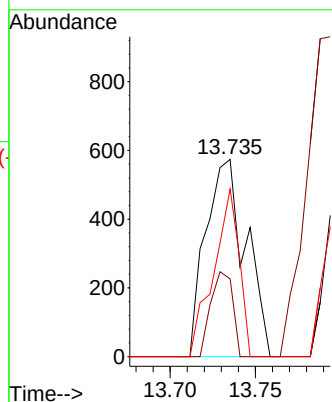
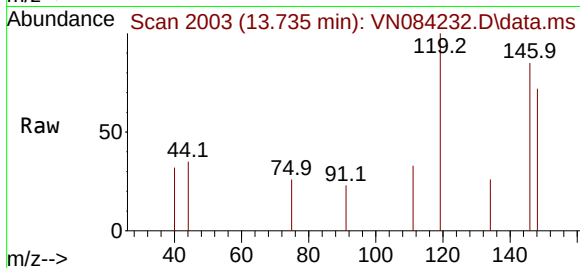
Tgt Ion:146 Resp: 936

Ion Ratio Lower Upper

146 100

111 23.5 21.8 65.3

148 54.2 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 0.283 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.076 min

Lab File: VN084232.D

Acq: 01 Oct 2024 12:18

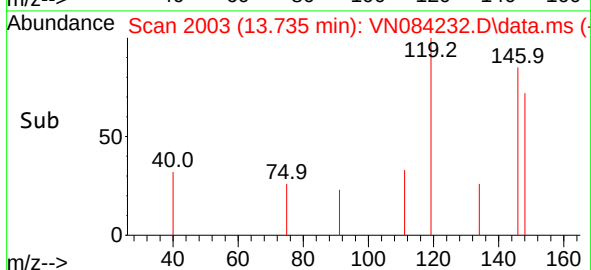
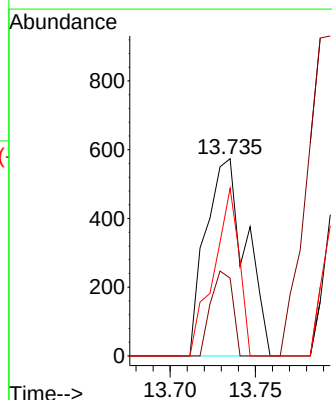
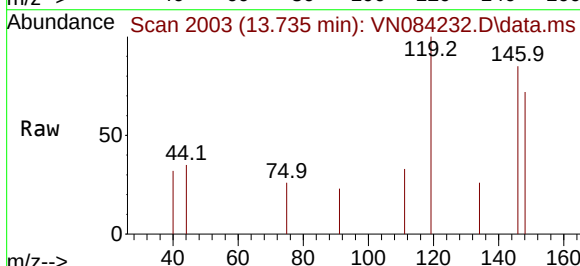
Tgt Ion:146 Resp: 936

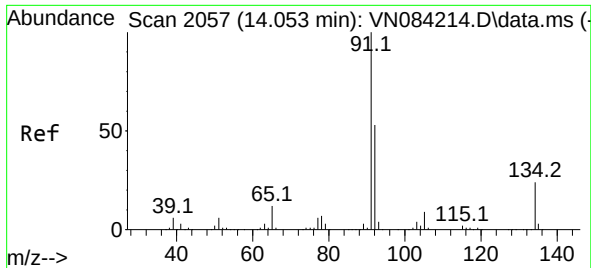
Ion Ratio Lower Upper

146 100

111 23.5 21.2 63.6

148 54.2 31.9 95.9

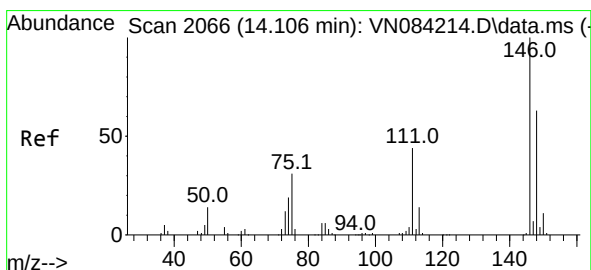
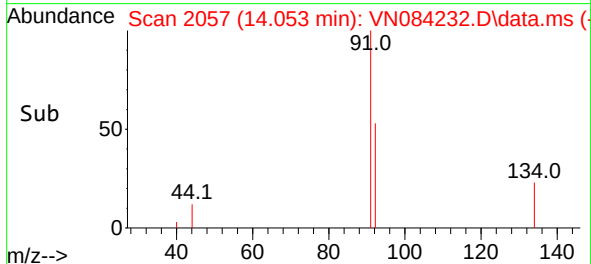
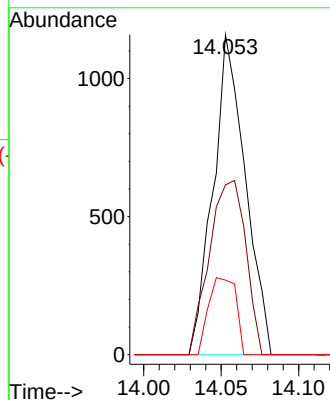
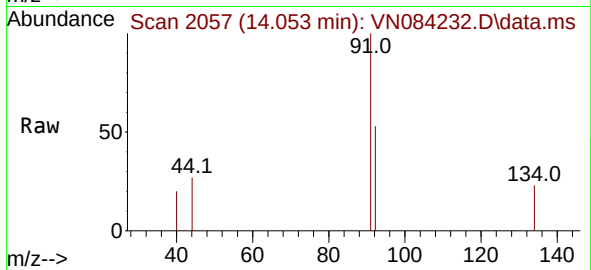




#89
n-Butylbenzene
Concen: 0.318 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN084232.D
Acq: 01 Oct 2024 12:18

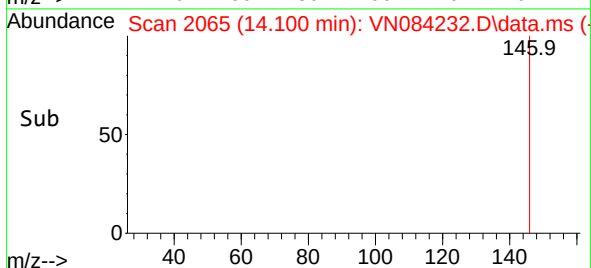
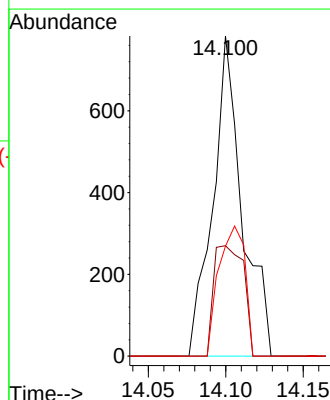
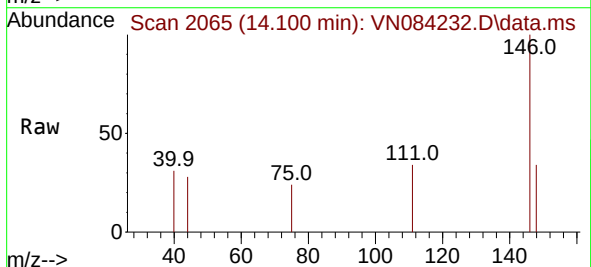
Instrument :
MSVOA_N
ClientSampleId :
VN1001MBL01

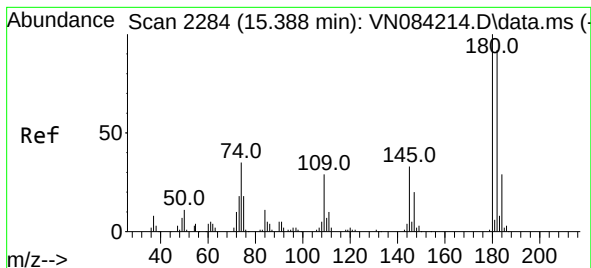
Tgt Ion:	91	Resp:	1674
Ion	Ratio	Lower	Upper
91	100		
92	61.4	26.6	79.7
134	20.4	12.3	36.9



#91
1,2-Dichlorobenzene
Concen: 0.320 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VN084232.D
Acq: 01 Oct 2024 12:18

Tgt Ion:	146	Resp:	1028
Ion	Ratio	Lower	Upper
146	100		
111	34.9	22.0	66.0
148	36.3	32.1	96.3





#93

1,2,4-Trichlorobenzene

Concen: 0.783 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN084232.D

Acq: 01 Oct 2024 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1001MBL01

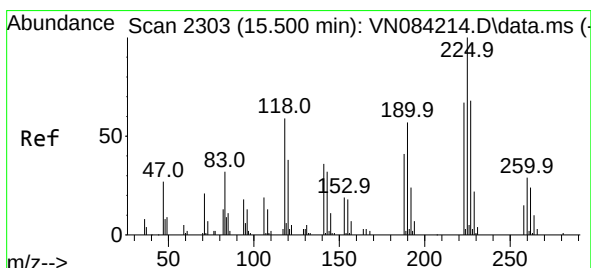
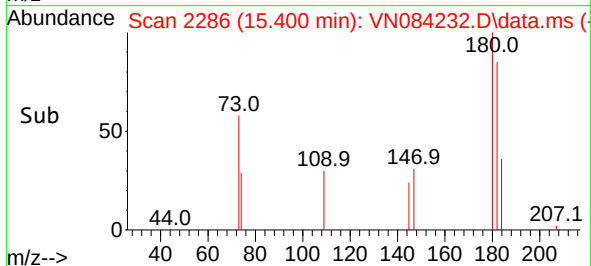
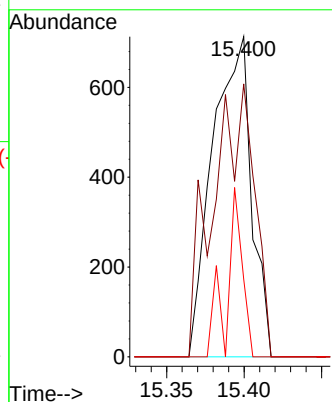
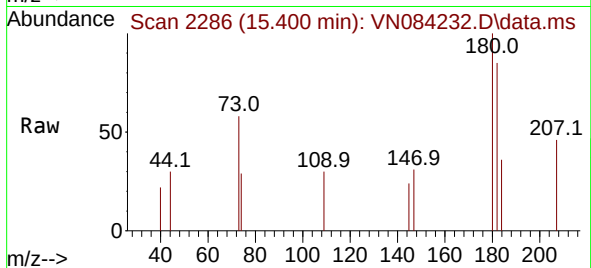
Tgt Ion:180 Resp: 1241

Ion Ratio Lower Upper

180 100

182 91.1 47.0 141.0

145 21.4 16.4 49.4



#94

Hexachlorobutadiene

Concen: 0.906 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN084232.D

Acq: 01 Oct 2024 12:18

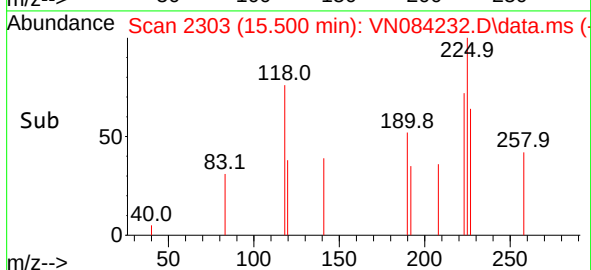
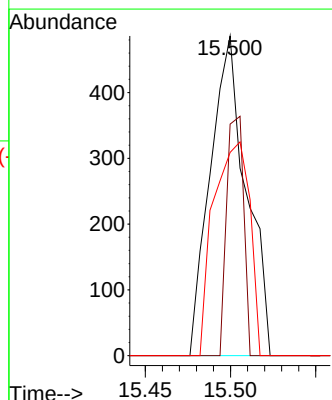
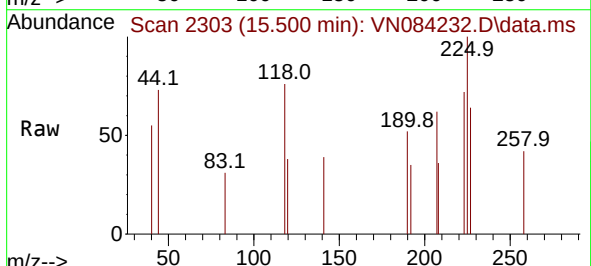
Tgt Ion:225 Resp: 716

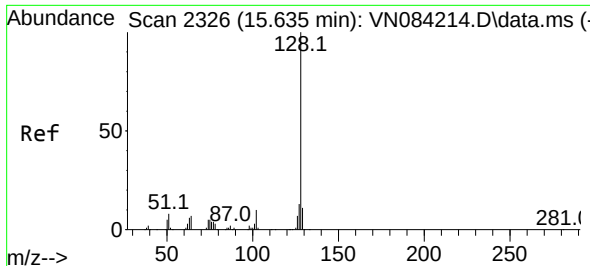
Ion Ratio Lower Upper

225 100

223 35.3 32.4 97.2

227 66.9 32.4 97.0

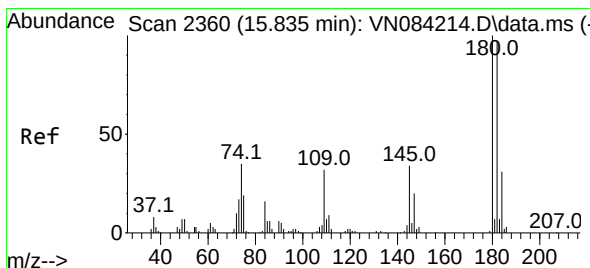
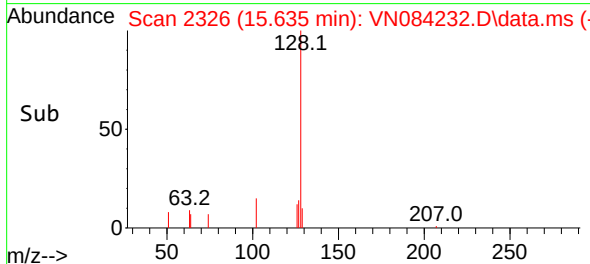
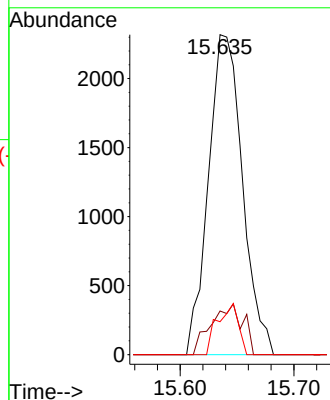
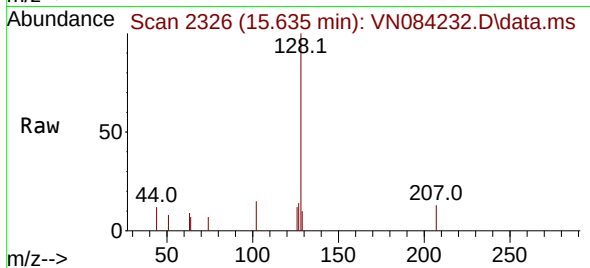




#95
Naphthalene
Concen: 0.918 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN084232.D
Acq: 01 Oct 2024 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1001MBL01

Tgt Ion:	128	Resp:	4822
Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.5	15.7
129	9.8	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.042 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084232.D
Acq: 01 Oct 2024 12:18

Tgt Ion:	180	Resp:	1652
Ion	Ratio	Lower	Upper
180	100		
182	86.2	48.2	144.6
145	22.5	17.3	51.9

