

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100224\
 Data File : VN084262.D
 Acq On : 02 Oct 2024 14:09
 Operator : JC\MD
 Sample : P4241-03DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 03 01:59:06 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

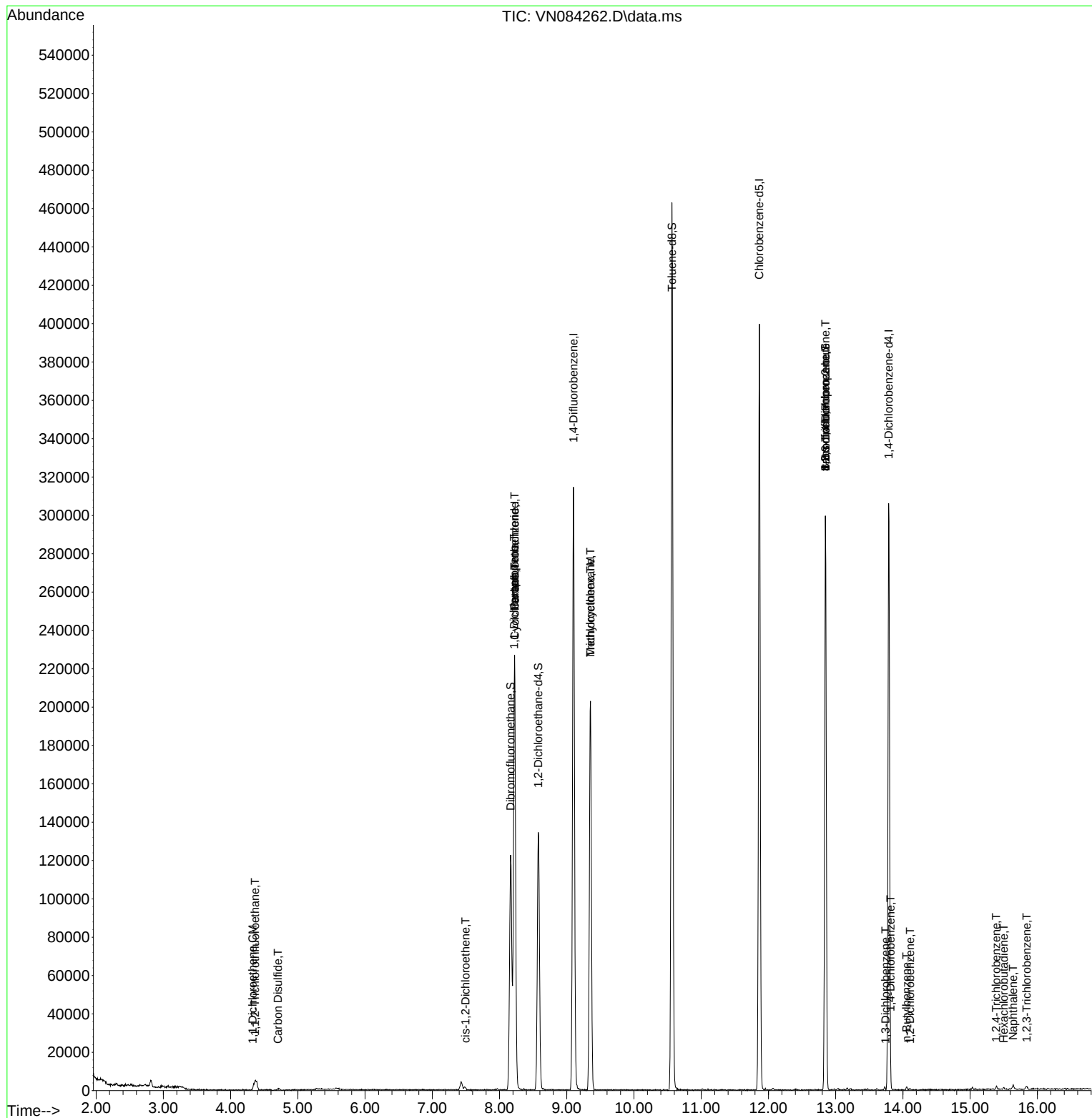
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	156322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	267268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	220885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	83077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	113198	48.839	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.680%
35) Dibromofluoromethane	8.165	113	88235	50.077	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.160%
50) Toluene-d8	10.565	98	316816	48.872	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.740%
62) 4-Bromofluorobenzene	12.847	95	103411	43.787	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	87.580%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	4.365	101	4551	2.494	ug/l #	84
12) 1,1-Dichloroethene	4.330	96	527	0.299	ug/l #	12
17) Carbon Disulfide	4.706	76	1672	0.300	ug/l #	75
27) cis-1,2-Dichloroethene	7.494	96	658	0.295	ug/l	96
31) Cyclohexane	8.229	56	3713	1.082	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13682	5.346	ug/l #	52
38) Carbon Tetrachloride	8.224	117	17227	6.136	ug/l #	16
39) Methylcyclohexane	9.353	83	1053	0.370	ug/l #	1
44) Trichloroethene	9.353	130	71914	38.613	ug/l	98
71) Bromoform	12.847	173	654	0.527	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	55927	32.975	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	55927	79.056	ug/l #	11
87) 1,3-Dichlorobenzene	13.741	146	634	0.221	ug/l #	80
88) 1,4-Dichlorobenzene	13.817	146	829	0.286	ug/l #	2
89) n-Butylbenzene	14.053	91	999	0.217	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	574	0.204	ug/l #	45
93) 1,2,4-Trichlorobenzene	15.388	180	619	0.447	ug/l	90
94) Hexachlorobutadiene	15.500	225	292	0.423	ug/l #	69
95) Naphthalene	15.641	128	2847	0.620	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.841	180	1091	0.787	ug/l #	65

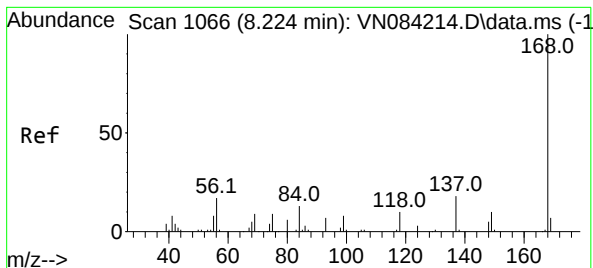
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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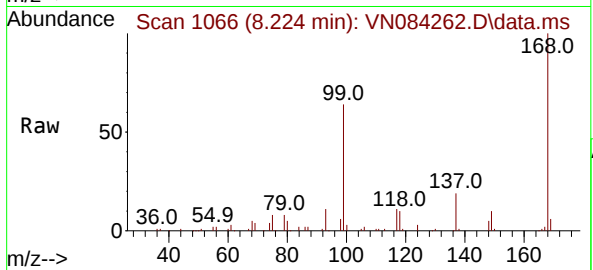
Quant Time: Oct 03 01:59:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
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Response via : Initial Calibration



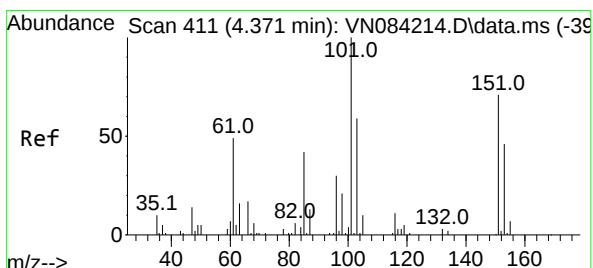
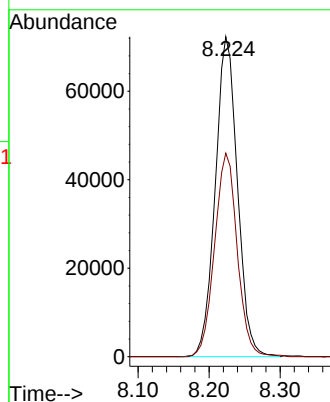
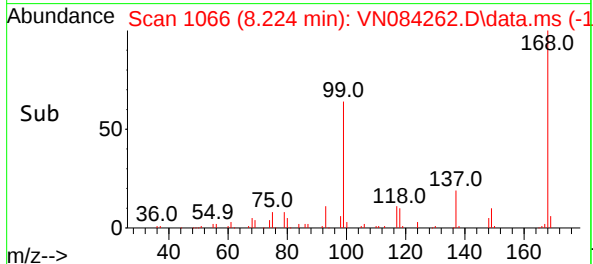


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084262.D
Acq: 02 Oct 2024 14:09

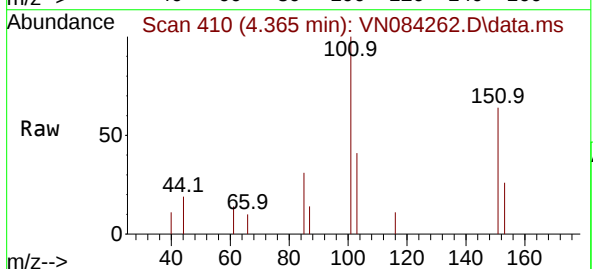
Instrument :
MSVOA_N
ClientSampleId :



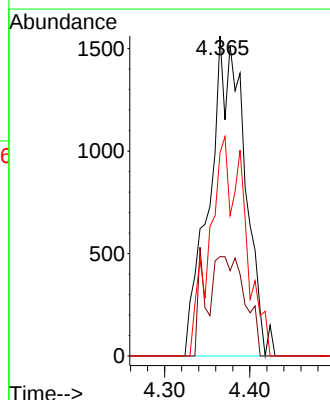
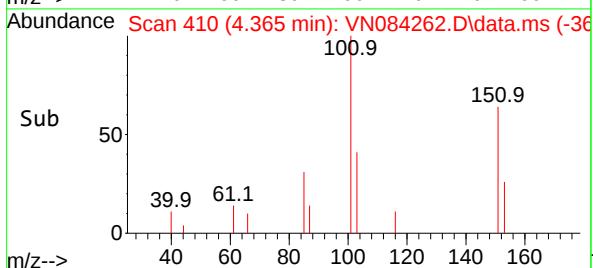
Tgt Ion:168 Resp: 156322
Ion Ratio Lower Upper
168 100
99 63.6 54.2 81.2

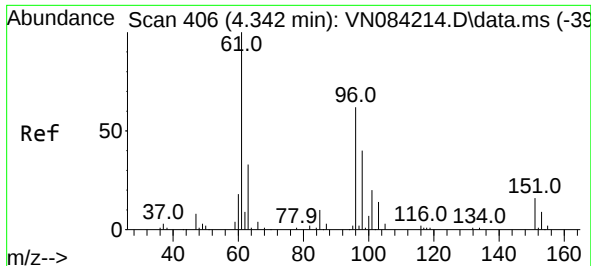


#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.494 ug/l
RT: 4.365 min Scan# 410
Delta R.T. -0.006 min
Lab File: VN084262.D
Acq: 02 Oct 2024 14:09



Tgt Ion:101 Resp: 4551
Ion Ratio Lower Upper
101 100
85 26.6 36.2 54.4#
151 66.8 59.3 88.9





#12

1,1-Dichloroethene

Concen: 0.299 ug/l

RT: 4.330 min Scan# 406

Delta R.T. -0.012 min

Lab File: VN084262.D

Acq: 02 Oct 2024 14:09

Instrument :

MSVOA_N

ClientSampleId :

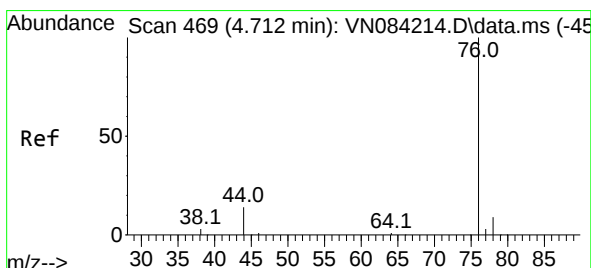
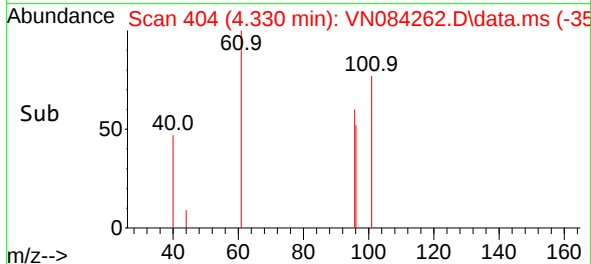
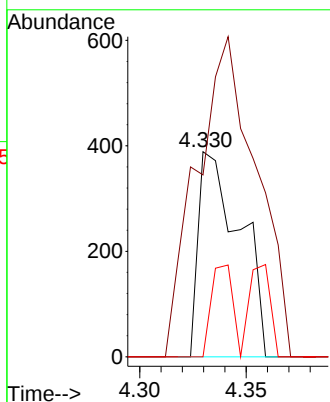
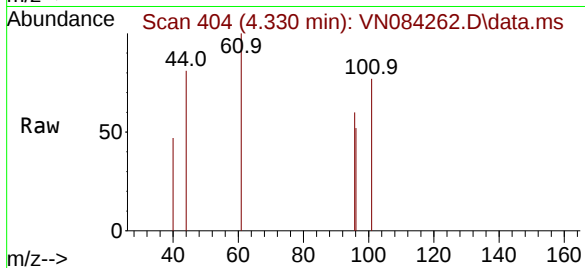
Tgt Ion: 96 Resp: 527

Ion Ratio Lower Upper

96 100

61 41.9 128.6 192.8#

98 0.0 51.7 77.5#



#17

Carbon Disulfide

Concen: 0.300 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.006 min

Lab File: VN084262.D

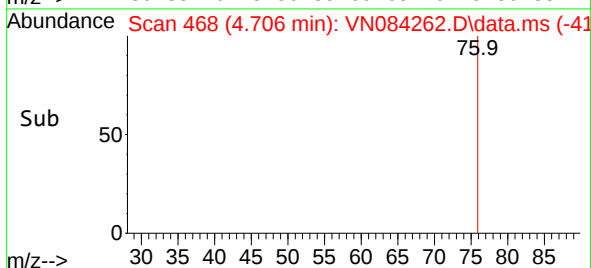
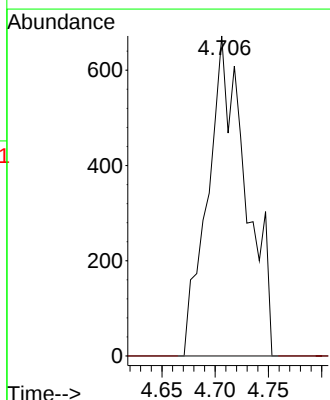
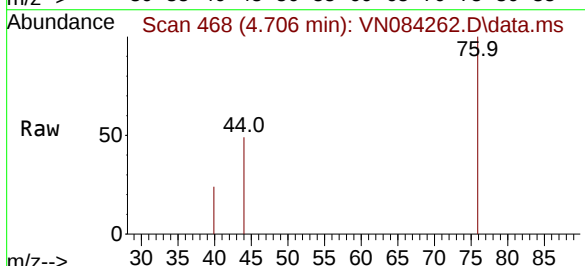
Acq: 02 Oct 2024 14:09

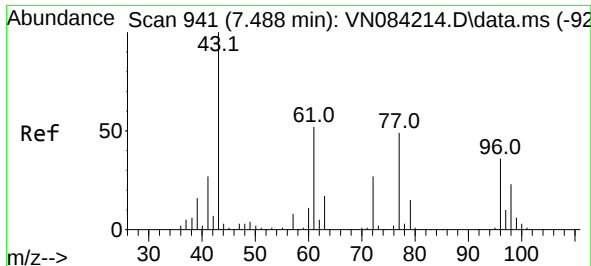
Tgt Ion: 76 Resp: 1672

Ion Ratio Lower Upper

76 100

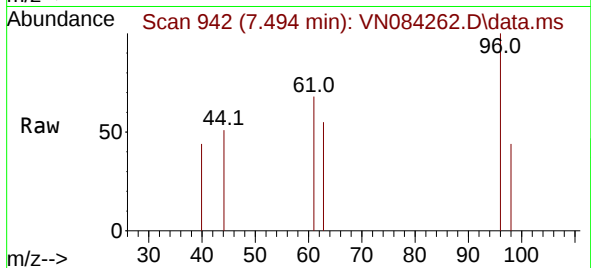
78 0.0 7.3 10.9#





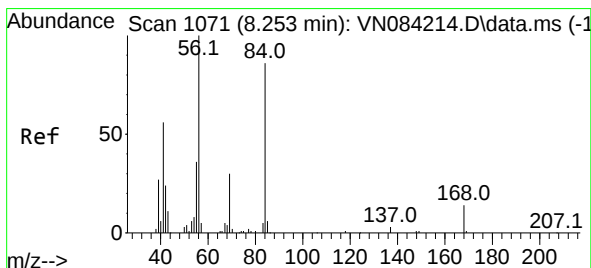
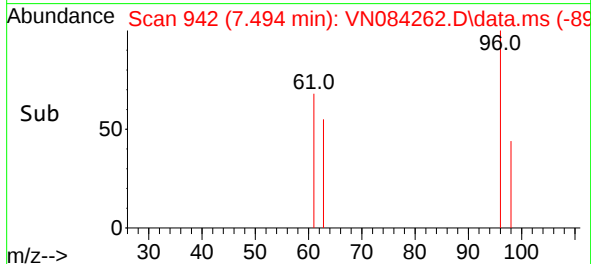
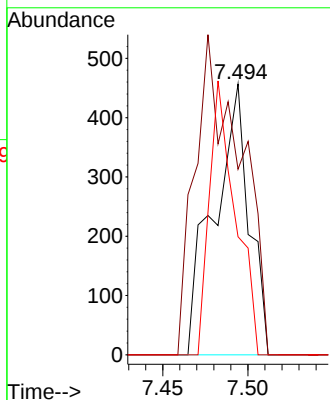
#27
 cis-1,2-Dichloroethene
 Concen: 0.295 ug/l
 RT: 7.494 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN084262.D
 Acq: 02 Oct 2024 14:09

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 96 Resp: 658

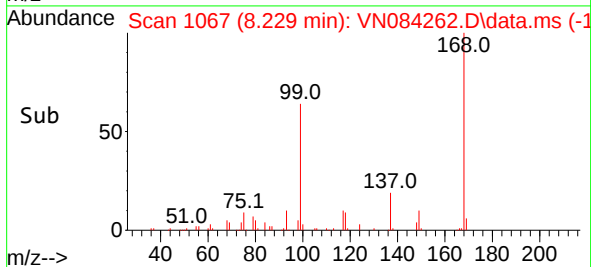
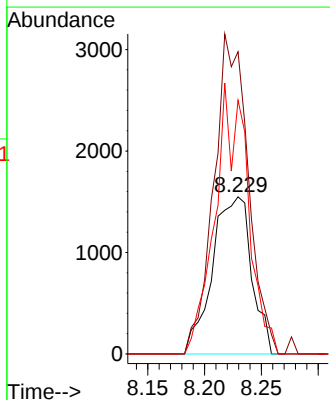
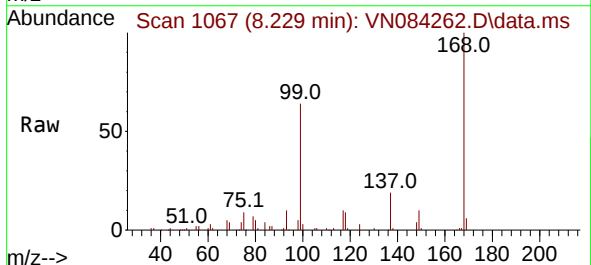
Ion	Ratio	Lower	Upper
96	100		
61	151.7	0.0	301.8
98	74.6	0.0	128.2

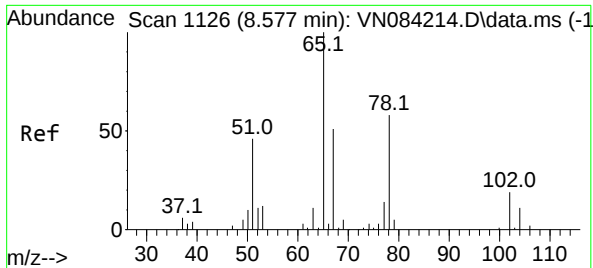


#31
 Cyclohexane
 Concen: 1.082 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.024 min
 Lab File: VN084262.D
 Acq: 02 Oct 2024 14:09

Tgt Ion: 56 Resp: 3713

Ion	Ratio	Lower	Upper
56	100		
69	192.3	23.8	35.6#
84	161.4	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.839 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084262.D

Acq: 02 Oct 2024 14:09

Instrument :

MSVOA_N

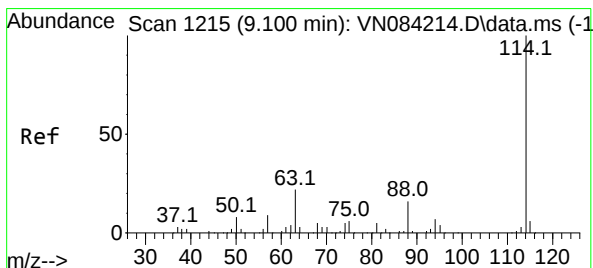
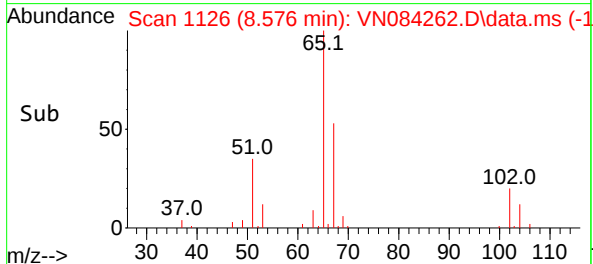
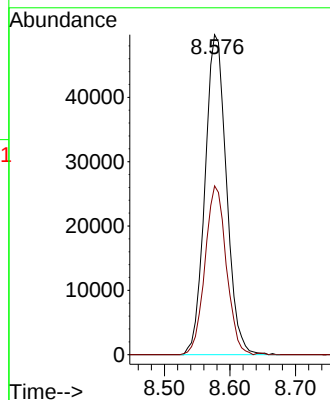
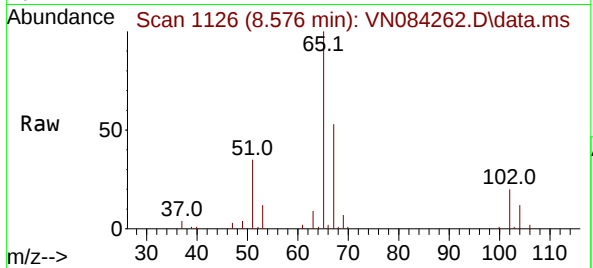
ClientSampleId :

Tgt Ion: 65 Resp: 113198

Ion Ratio Lower Upper

65 100

67 52.4 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN084262.D

Acq: 02 Oct 2024 14:09

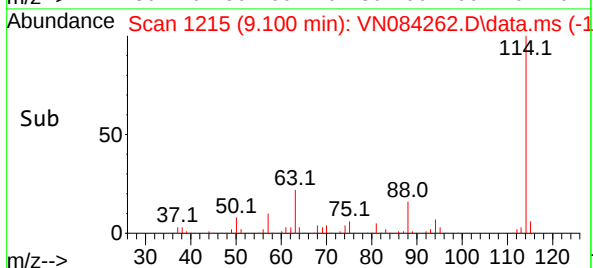
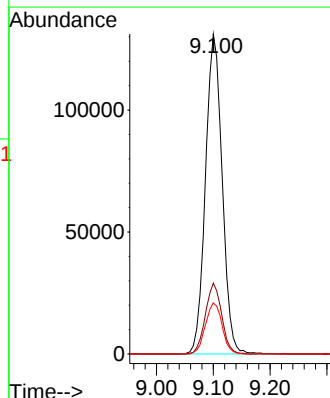
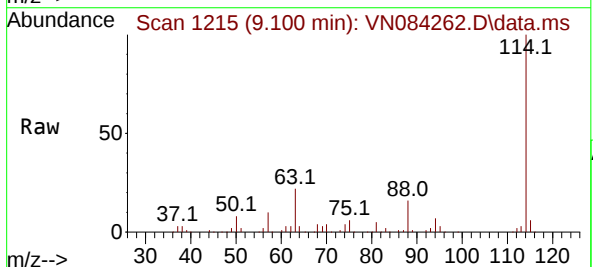
Tgt Ion: 114 Resp: 267268

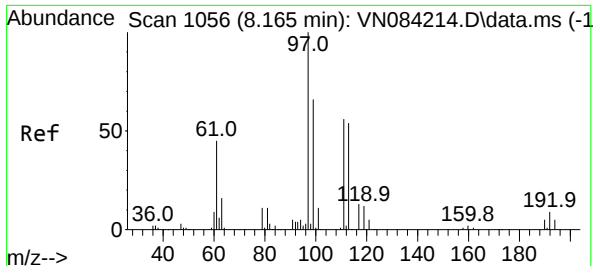
Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.8

88 15.9 0.0 31.6

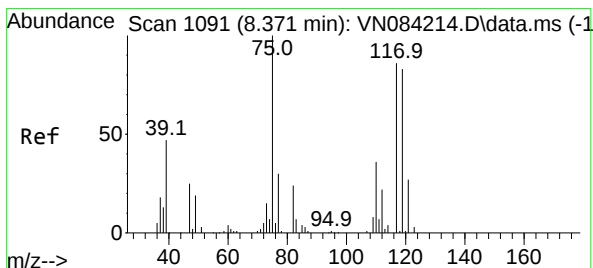
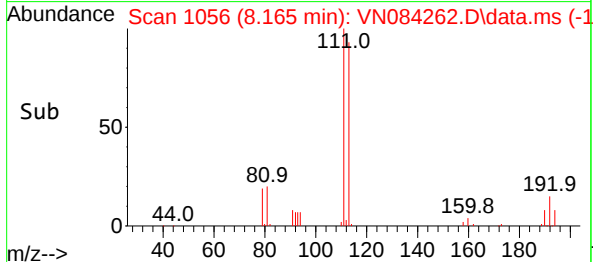
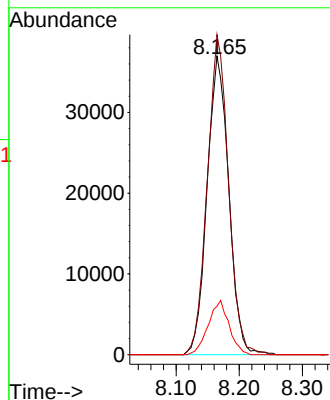
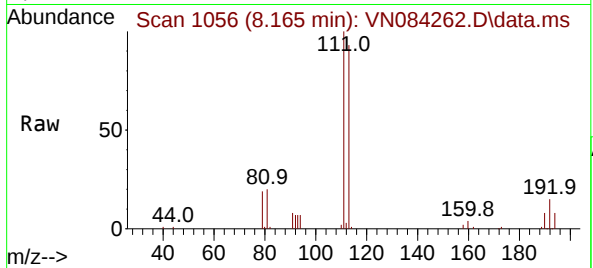




#35
Dibromofluoromethane
Concen: 50.077 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084262.D
Acq: 02 Oct 2024 14:09

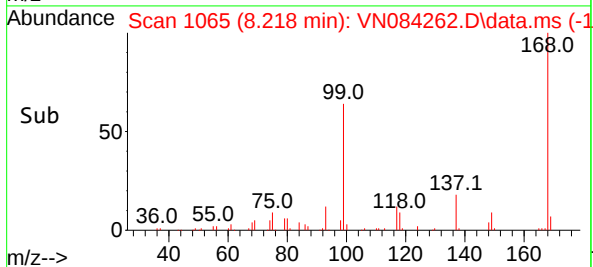
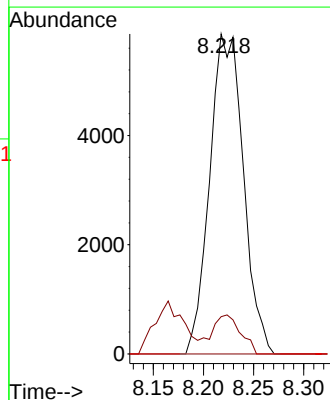
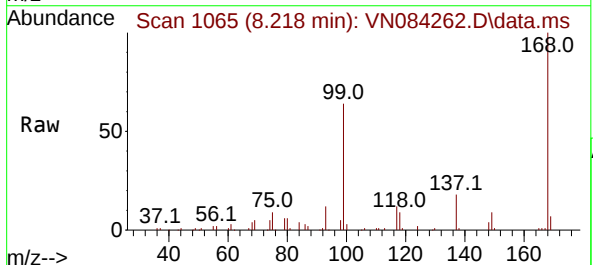
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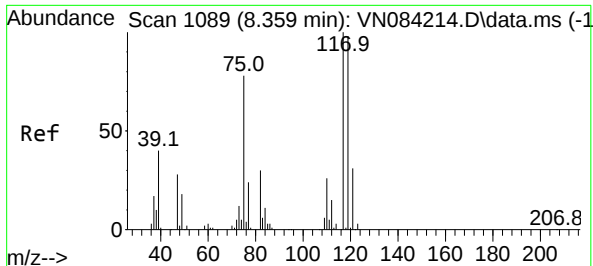
Tgt Ion:113 Resp: 88235
Ion Ratio Lower Upper
113 100
111 104.6 83.3 124.9
192 17.4 13.5 20.3



#36
1,1-Dichloropropene
Concen: 5.346 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084262.D
Acq: 02 Oct 2024 14:09

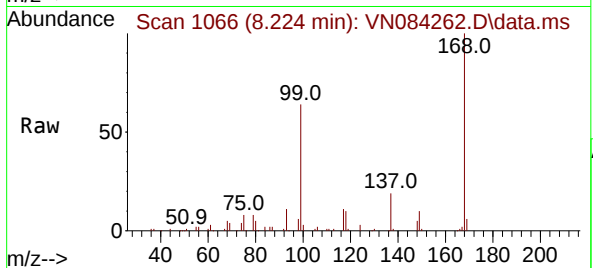
Tgt Ion: 75 Resp: 13682
Ion Ratio Lower Upper
75 100
110 10.6 16.9 50.7#
77 0.0 24.7 37.1#



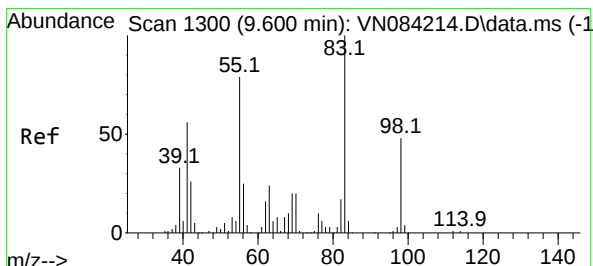
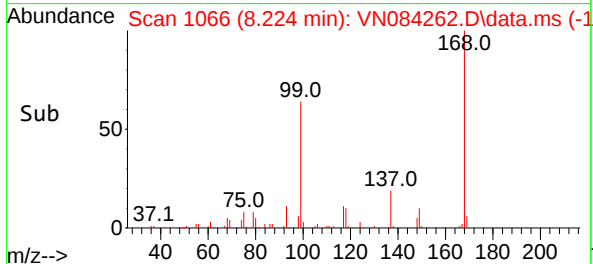
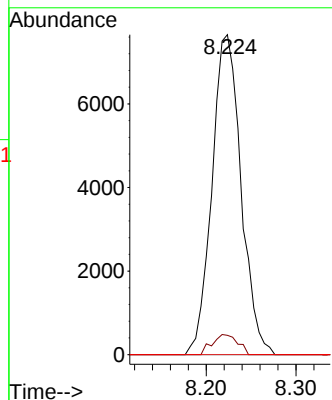


#38
Carbon Tetrachloride
Concen: 6.136 ug/l
RT: 8.224 min Scan# 11
Delta R.T. -0.135 min
Lab File: VN084262.D
Acq: 02 Oct 2024 14:09

Instrument :
MSVOA_N
ClientSampleId :

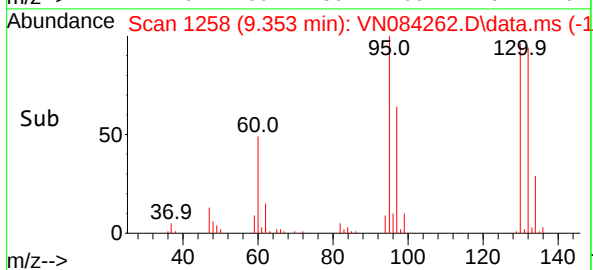
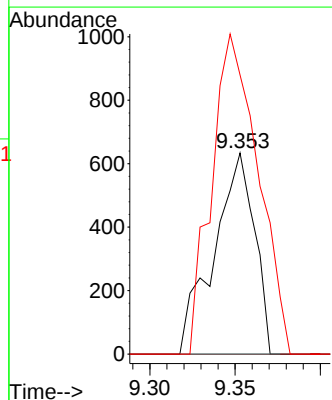
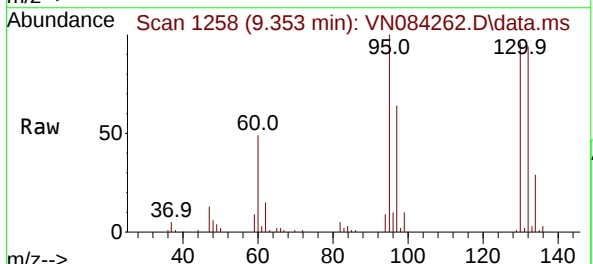


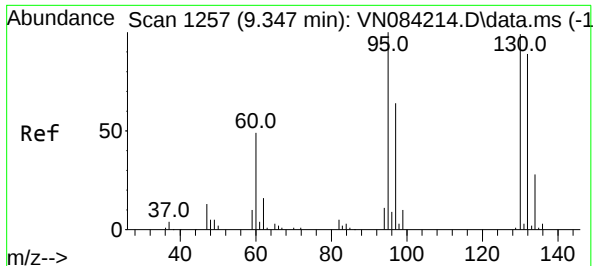
Tgt Ion:117 Resp: 17227
Ion Ratio Lower Upper
117 100
119 6.1 78.7 118.1#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.370 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.247 min
Lab File: VN084262.D
Acq: 02 Oct 2024 14:09

Tgt Ion: 83 Resp: 1053
Ion Ratio Lower Upper
83 100
55 0.0 62.8 94.2#
98 138.8 38.8 58.2#

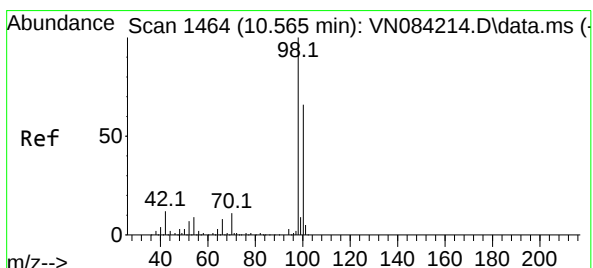
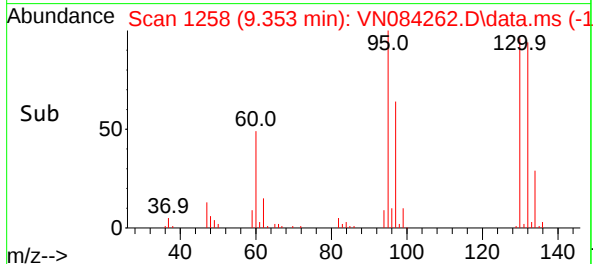
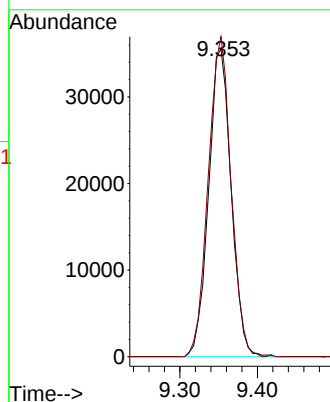
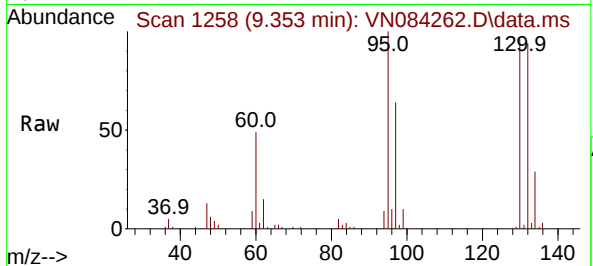




#44
 Trichloroethene
 Concen: 38.613 ug/l
 RT: 9.353 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VN084262.D
 Acq: 02 Oct 2024 14:09

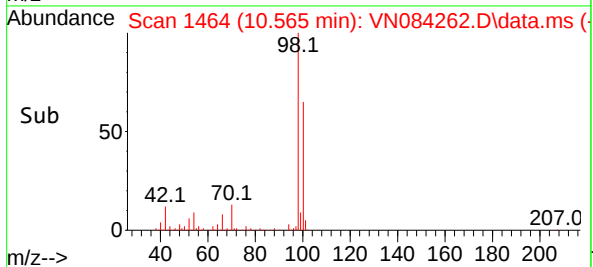
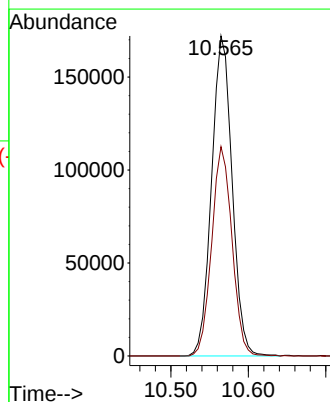
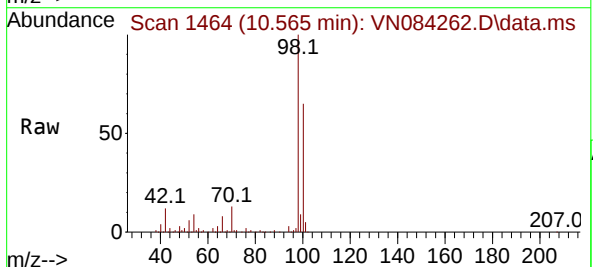
Instrument :
 MSVOA_N
 ClientSampleId :

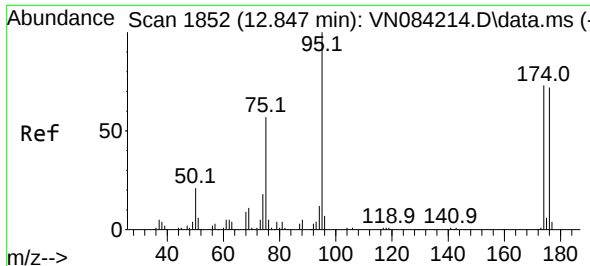
Tgt Ion:130 Resp: 71914
 Ion Ratio Lower Upper
 130 100
 95 104.0 0.0 203.0



#50
 Toluene-d8
 Concen: 48.872 ug/l
 RT: 10.565 min Scan# 1464
 Delta R.T. -0.000 min
 Lab File: VN084262.D
 Acq: 02 Oct 2024 14:09

Tgt Ion: 98 Resp: 316816
 Ion Ratio Lower Upper
 98 100
 100 64.6 52.7 79.1

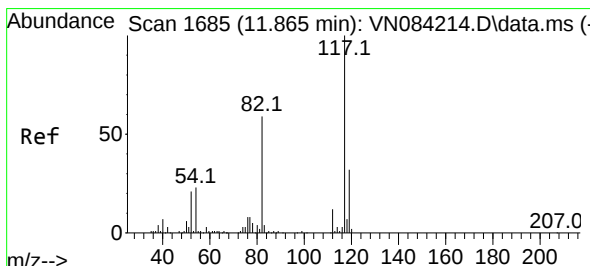
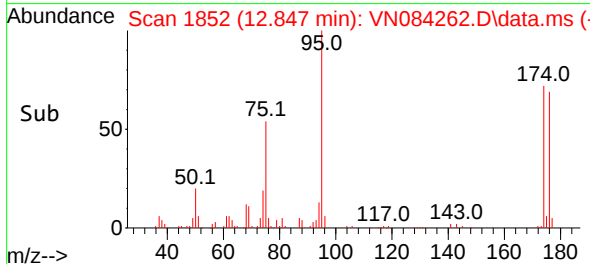
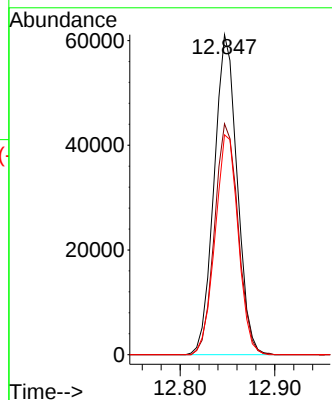
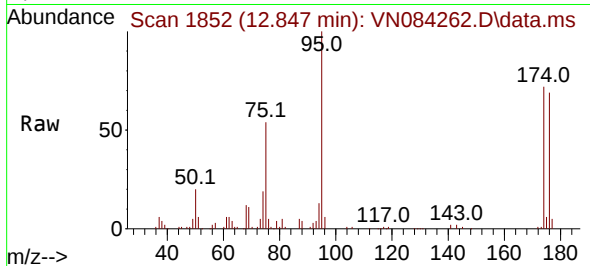




#62
4-Bromofluorobenzene
Concen: 43.787 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084262.D
Acq: 02 Oct 2024 14:09

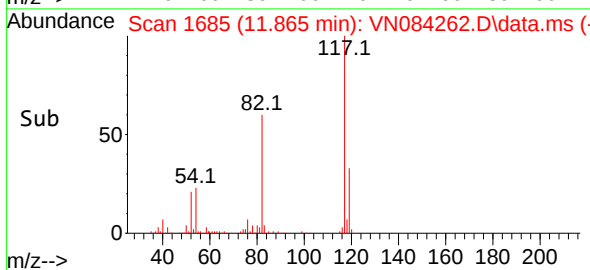
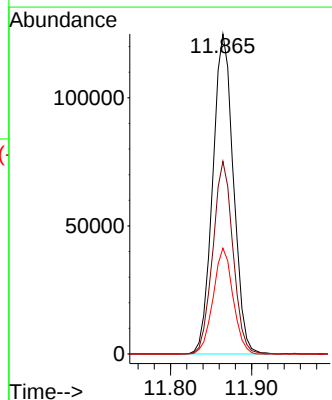
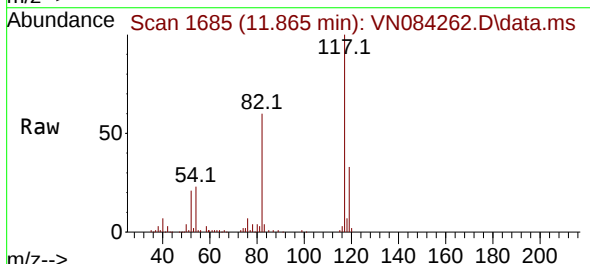
Instrument :
MSVOA_N
ClientSampleId :

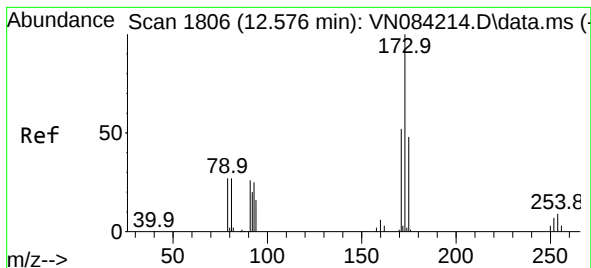
Tgt Ion: 95 Resp: 103411
Ion Ratio Lower Upper
95 100
174 73.8 0.0 145.2
176 68.9 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084262.D
Acq: 02 Oct 2024 14:09

Tgt Ion: 117 Resp: 220885
Ion Ratio Lower Upper
117 100
82 60.2 47.2 70.8
119 33.1 25.4 38.0





#71

Bromoform

Concen: 0.527 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.270 min

Lab File: VN084262.D

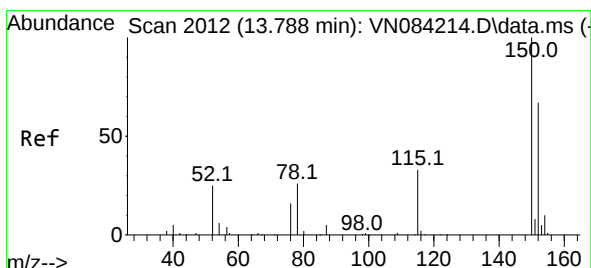
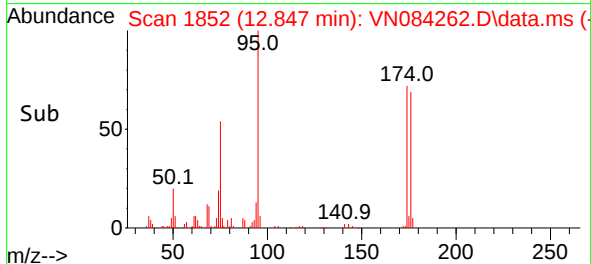
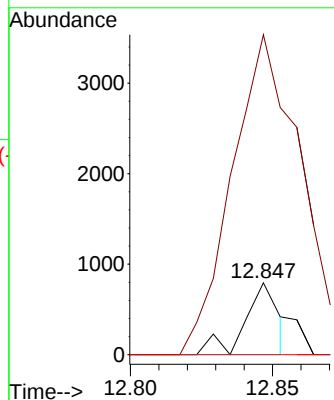
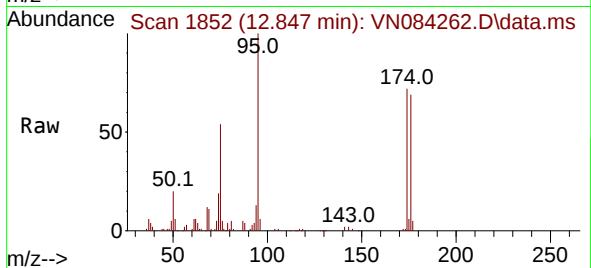
Acq: 02 Oct 2024 14:09

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	173	Resp:	654
Ion Ratio	Lower	Upper	
173	100		
175	656.1	23.5	70.6#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

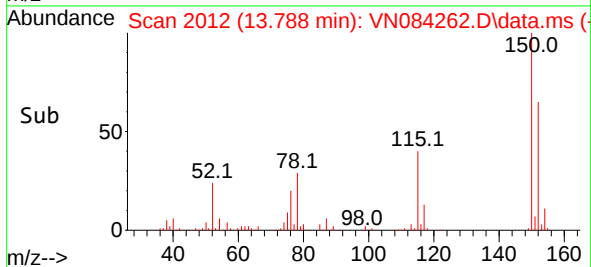
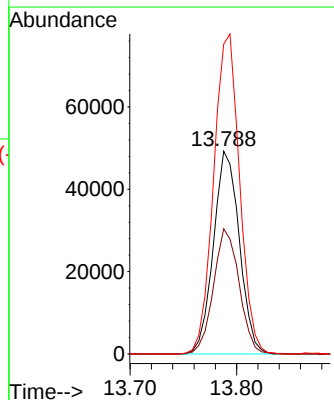
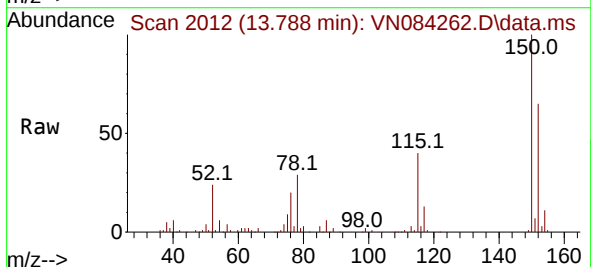
RT: 13.788 min Scan# 2012

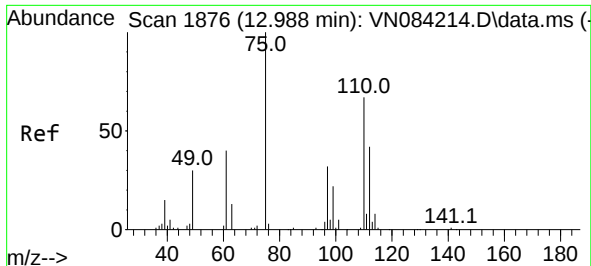
Delta R.T. -0.000 min

Lab File: VN084262.D

Acq: 02 Oct 2024 14:09

Tgt Ion:	152	Resp:	83077
Ion Ratio	Lower	Upper	
152	100		
115	61.2	31.3	93.9
150	158.0	0.0	349.8

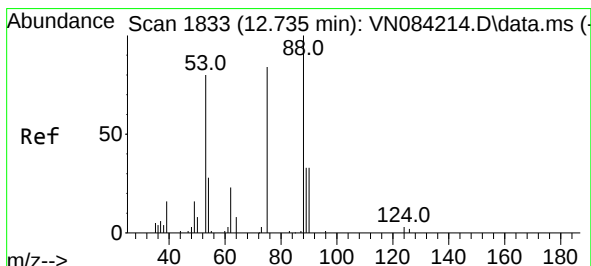
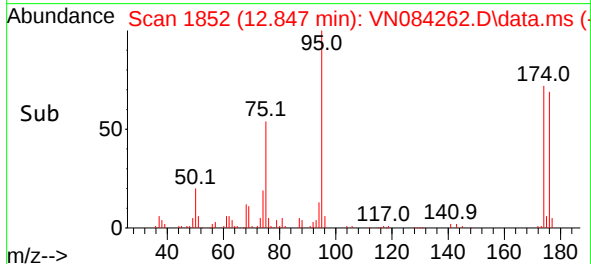
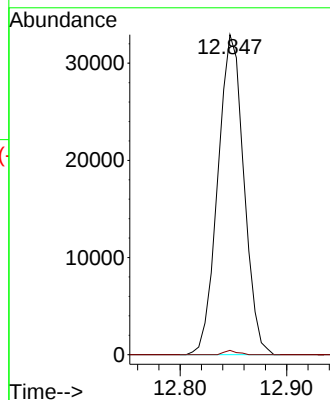
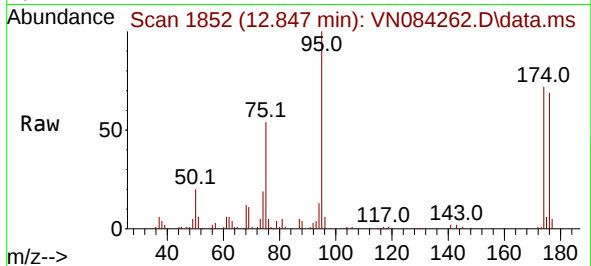




#76
1,2,3-Trichloropropane
Concen: 32.975 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084262.D
Acq: 02 Oct 2024 14:09

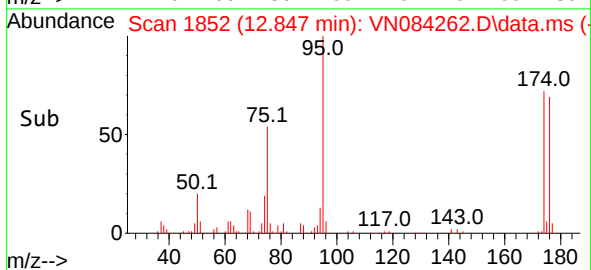
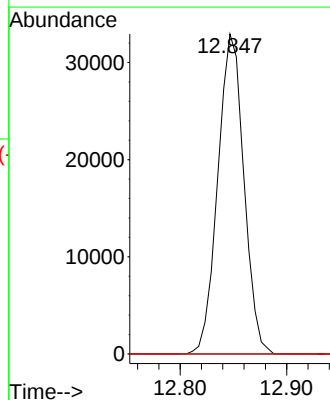
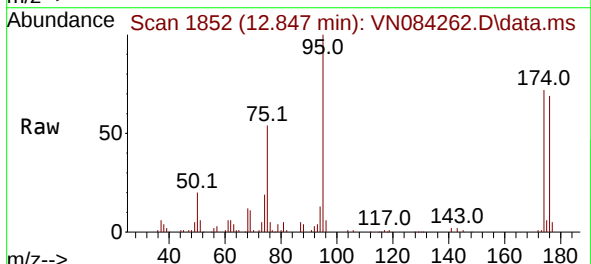
Instrument :
MSVOA_N
ClientSampleId :

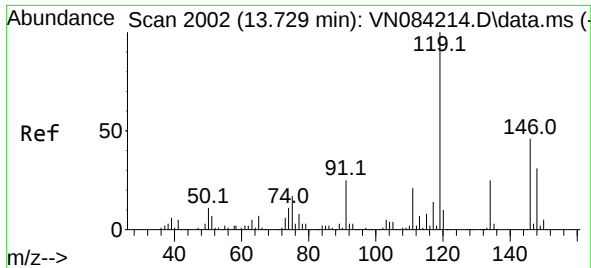
Tgt Ion: 75 Resp: 55927
Ion Ratio Lower Upper
75 100
77 0.7 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.056 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084262.D
Acq: 02 Oct 2024 14:09

Tgt Ion: 75 Resp: 55927
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: 0.221 ug/l

RT: 13.741 min Scan# 2004

Delta R.T. 0.012 min

Lab File: VN084262.D

Acq: 02 Oct 2024 14:09

Instrument :

MSVOA_N

ClientSampleId :

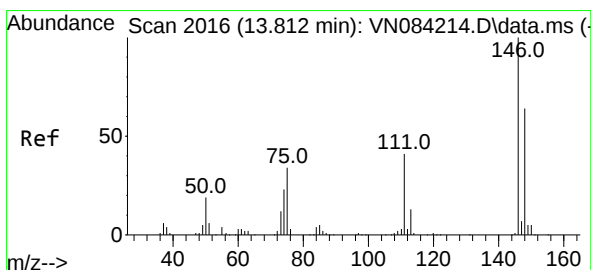
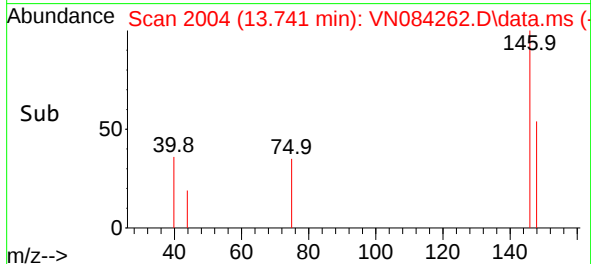
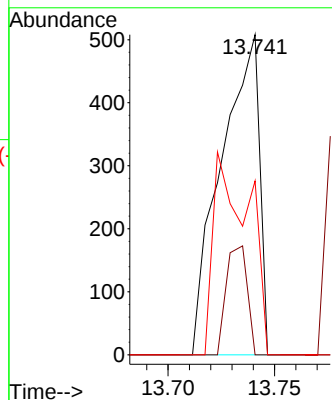
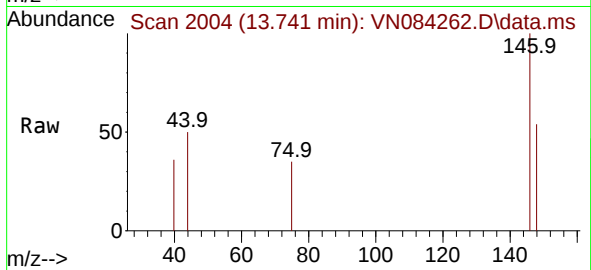
Tgt Ion:146 Resp: 634

Ion Ratio Lower Upper

146 100

111 18.6 21.8 65.3#

148 58.0 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 0.286 ug/l

RT: 13.817 min Scan# 2017

Delta R.T. 0.006 min

Lab File: VN084262.D

Acq: 02 Oct 2024 14:09

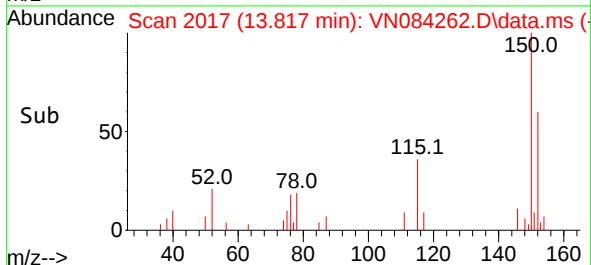
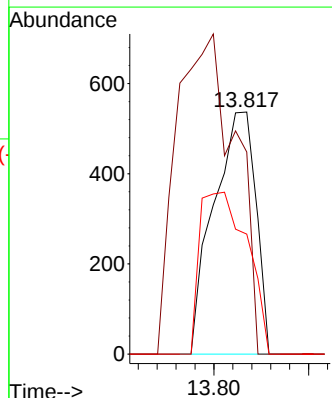
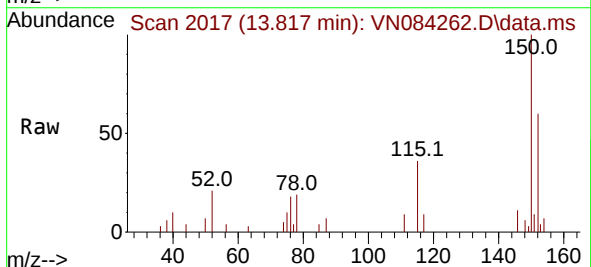
Tgt Ion:146 Resp: 829

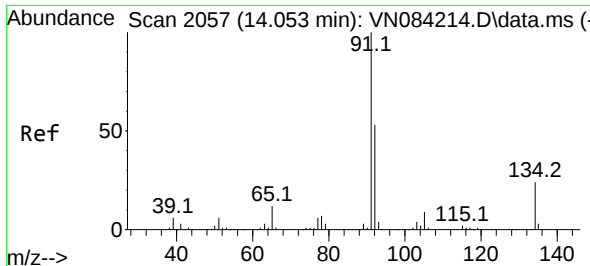
Ion Ratio Lower Upper

146 100

111 184.7 21.2 63.6#

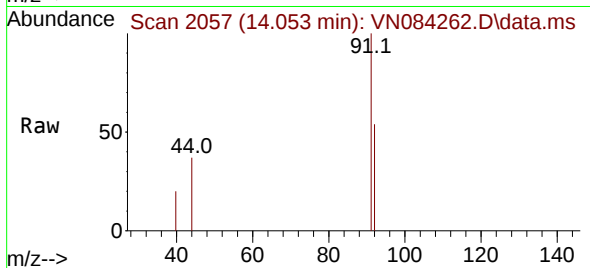
148 75.4 31.9 95.9





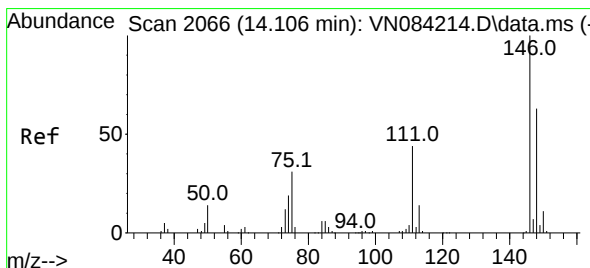
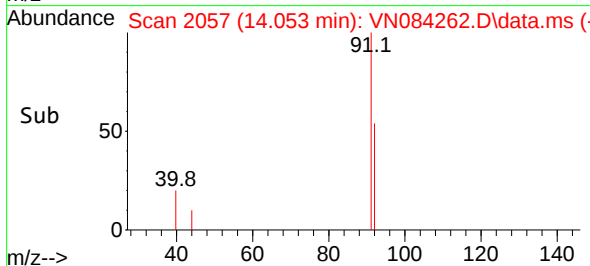
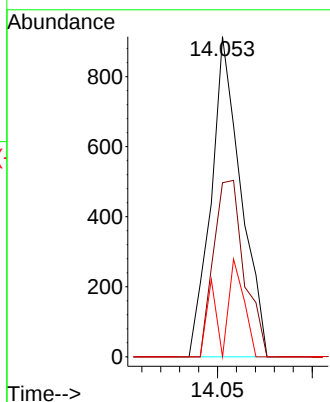
#89
n-Butylbenzene
Concen: 0.217 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN084262.D
Acq: 02 Oct 2024 14:09

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 91 Resp: 999

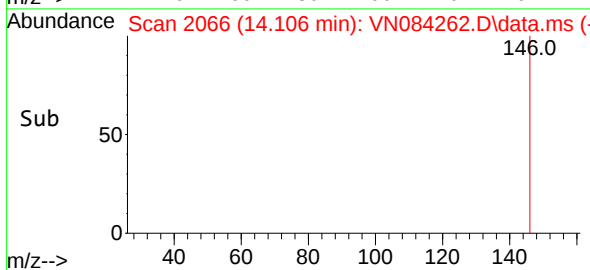
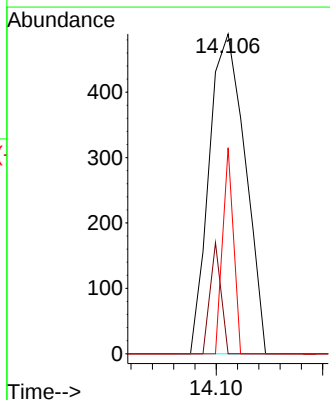
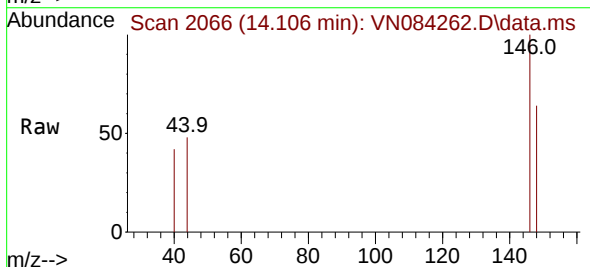
Ion	Ratio	Lower	Upper
91	100		
92	56.9	26.6	79.7
134	23.1	12.3	36.9

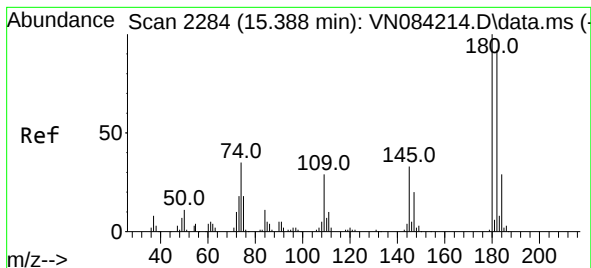


#91
1,2-Dichlorobenzene
Concen: 0.204 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN084262.D
Acq: 02 Oct 2024 14:09

Tgt Ion: 146 Resp: 574

Ion	Ratio	Lower	Upper
146	100		
111	10.5	22.0	66.0#
148	19.3	32.1	96.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.447 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN084262.D

Acq: 02 Oct 2024 14:09

Instrument :

MSVOA_N

ClientSampleId :

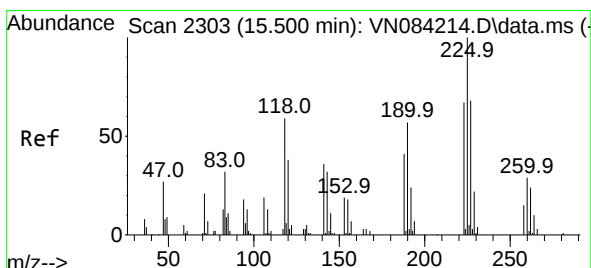
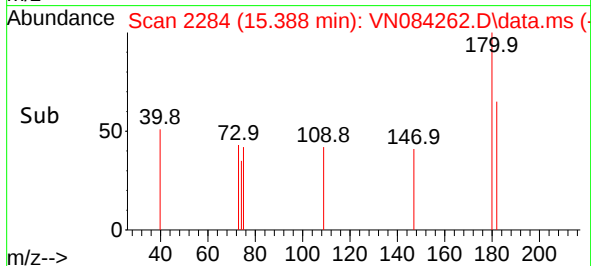
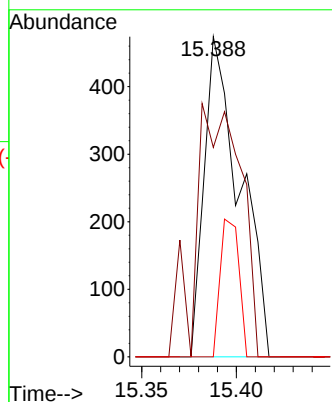
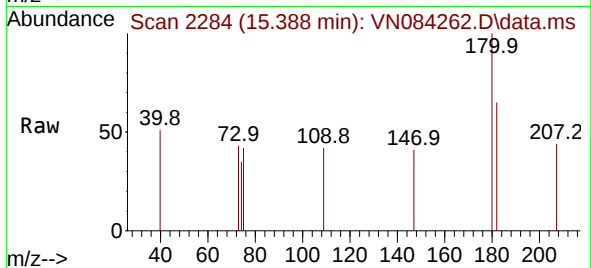
Tgt Ion:180 Resp: 619

Ion Ratio Lower Upper

180 100

182 101.3 47.0 141.0

145 22.6 16.4 49.4



#94

Hexachlorobutadiene

Concen: 0.423 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN084262.D

Acq: 02 Oct 2024 14:09

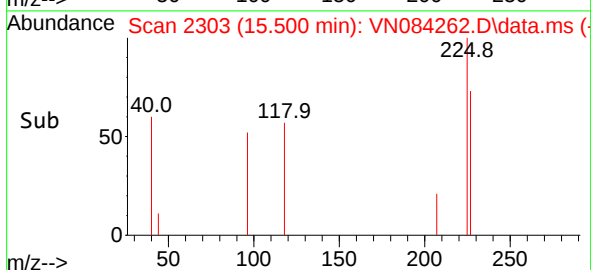
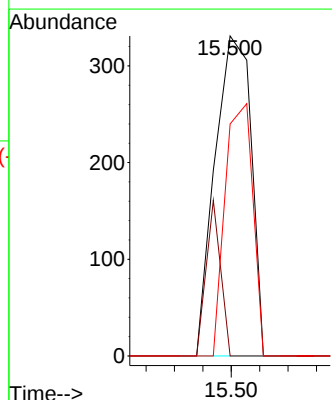
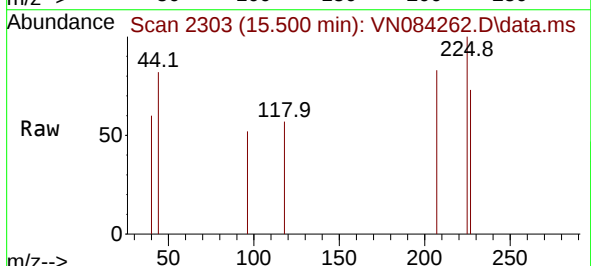
Tgt Ion:225 Resp: 292

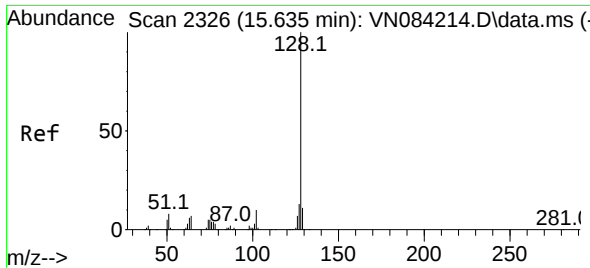
Ion Ratio Lower Upper

225 100

223 19.5 32.4 97.2#

227 60.6 32.4 97.0

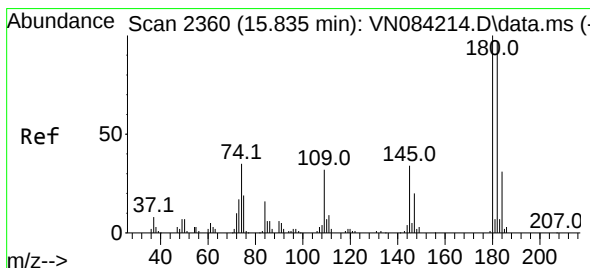
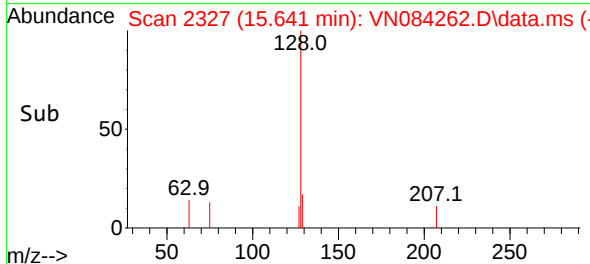
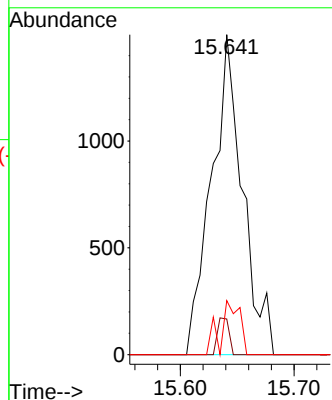
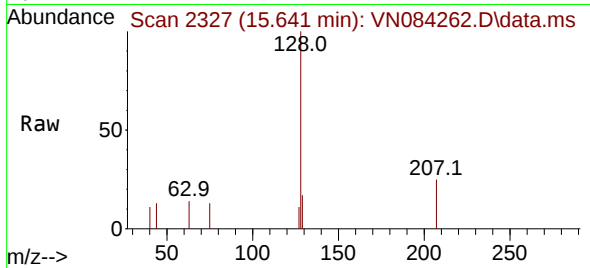




#95
Naphthalene
Concen: 0.620 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN084262.D
Acq: 02 Oct 2024 14:09

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 2847
Ion Ratio Lower Upper
128 100
127 4.2 10.5 15.7#
129 10.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.787 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084262.D
Acq: 02 Oct 2024 14:09

Tgt Ion:180 Resp: 1091
Ion Ratio Lower Upper
180 100
182 63.6 48.2 144.6
145 11.4 17.3 51.9#

