

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101024\
 Data File : VN084378.D
 Acq On : 10 Oct 2024 10:18
 Operator : JC\MD
 Sample : VN1010MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 02:41:38 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)

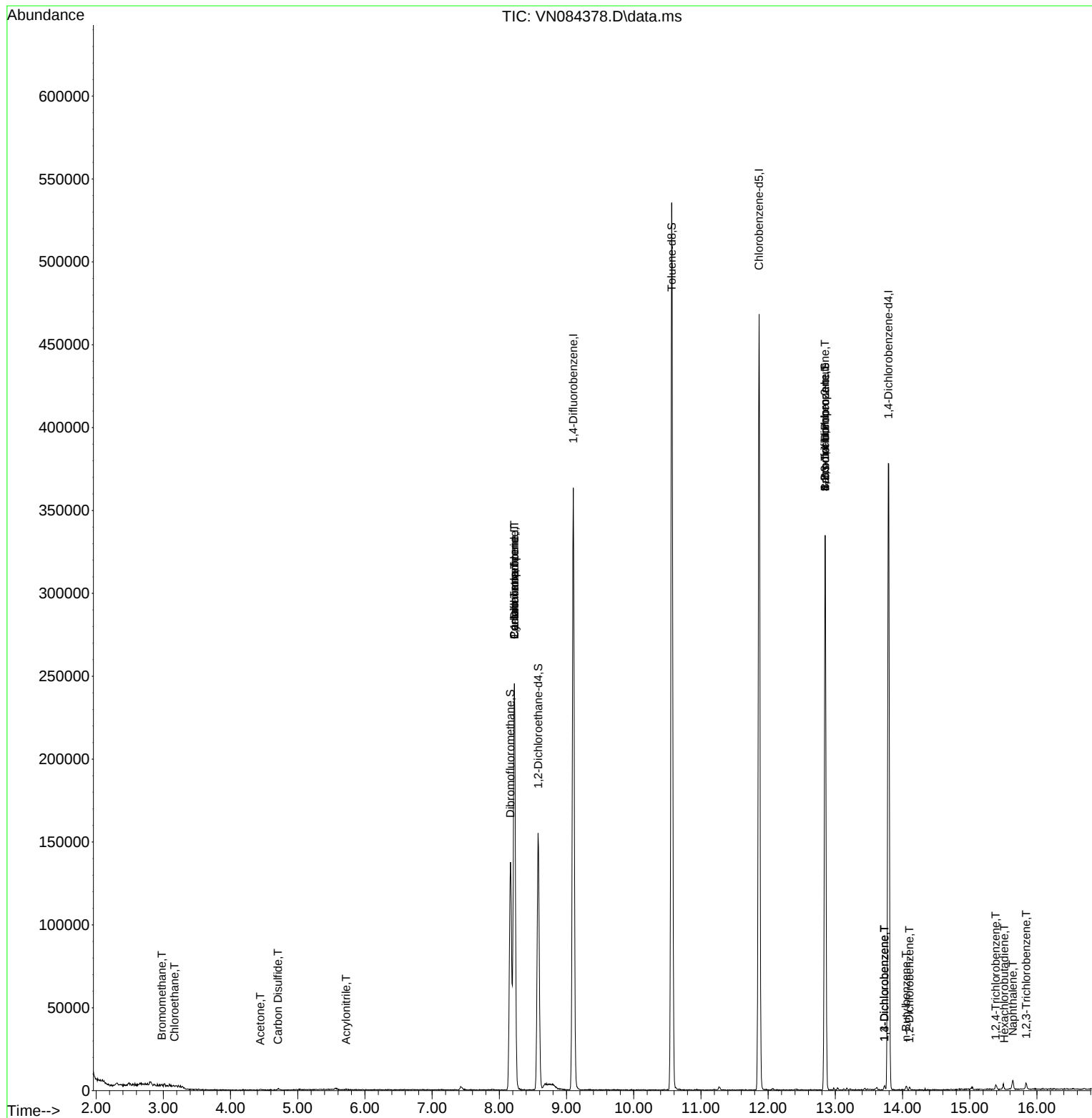
Internal Standards						
1) Pentafluorobenzene	8.224	168	171695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	306366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	257670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	104868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127268	49.993	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.980%		
35) Dibromofluoromethane	8.165	113	100323	49.671	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.340%		
50) Toluene-d8	10.565	98	363823	48.961	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.920%		
62) 4-Bromofluorobenzene	12.847	95	114379	42.251	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	84.500%		
Target Compounds						Qvalue
5) Bromomethane	2.977	94	421	0.284	ug/l	93
6) Chloroethane	3.165	64	333	0.207	ug/l #	45
15) Acrylonitrile	5.718	53	371	0.350	ug/l #	43
16) Acetone	4.442	43	518	0.474	ug/l #	44
17) Carbon Disulfide	4.706	76	1964	0.321	ug/l #	75
31) Cyclohexane	8.224	56	4070	1.079	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	15134	5.159	ug/l #	45
38) Carbon Tetrachloride	8.224	117	19363	6.017	ug/l #	17
71) Bromoform	12.847	173	777	0.536	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	59949	28.002	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	59949	67.133	ug/l #	11
87) 1,3-Dichlorobenzene	13.729	146	802	0.221	ug/l	88
88) 1,4-Dichlorobenzene	13.729	146	802	0.219	ug/l	88
89) n-Butylbenzene	14.053	91	1820	0.314	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	982	0.277	ug/l	80
93) 1,2,4-Trichlorobenzene	15.388	180	1444	0.826	ug/l #	87
94) Hexachlorobutadiene	15.512	225	821	0.941	ug/l	95
95) Naphthalene	15.641	128	6416	1.107	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.841	180	1802	1.029	ug/l	84

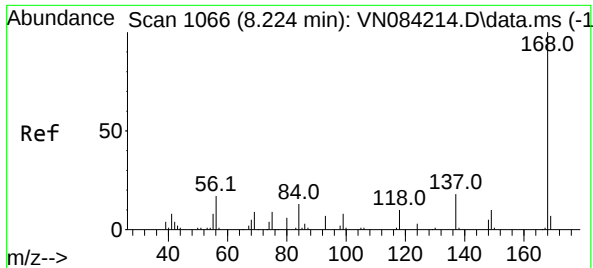
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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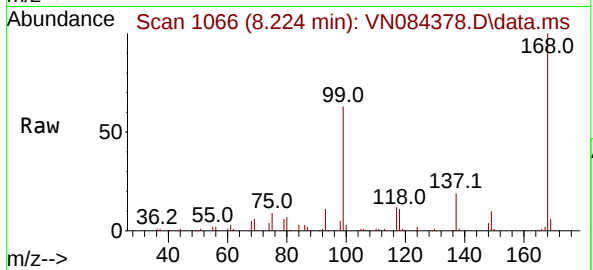
Quant Time: Oct 11 02:41:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



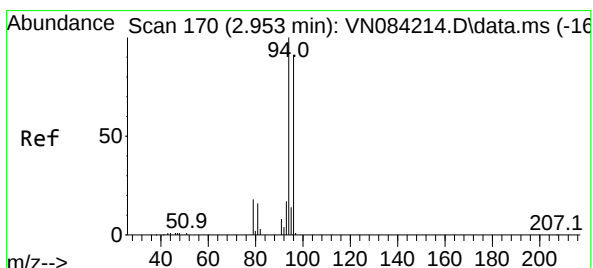
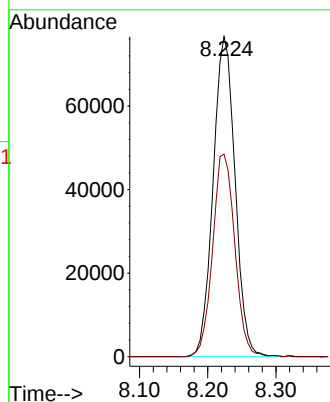
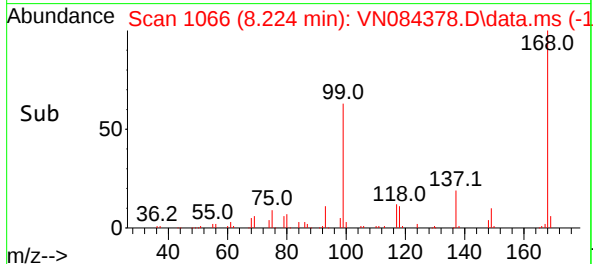


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084378.D
Acq: 10 Oct 2024 10:18

Instrument :
MSVOA_N
ClientSampleId :

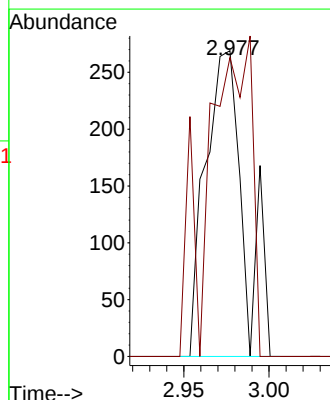
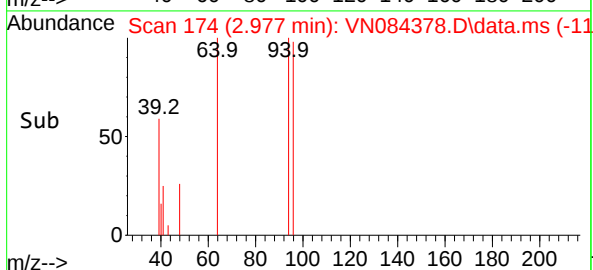
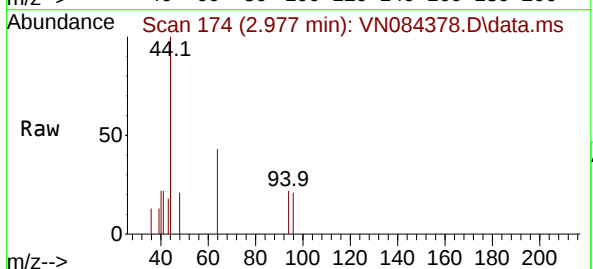


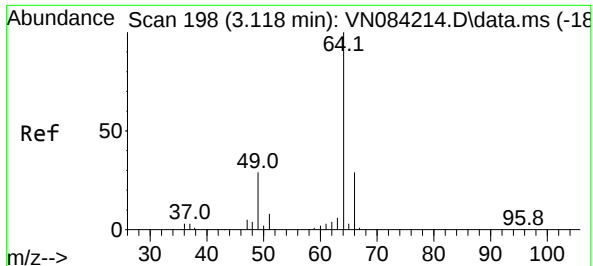
Tgt Ion:168 Resp: 171695
Ion Ratio Lower Upper
168 100
99 63.3 54.2 81.2



#5
Bromomethane
Concen: 0.284 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.024 min
Lab File: VN084378.D
Acq: 10 Oct 2024 10:18

Tgt Ion: 94 Resp: 421
Ion Ratio Lower Upper
94 100
96 97.8 72.9 109.3

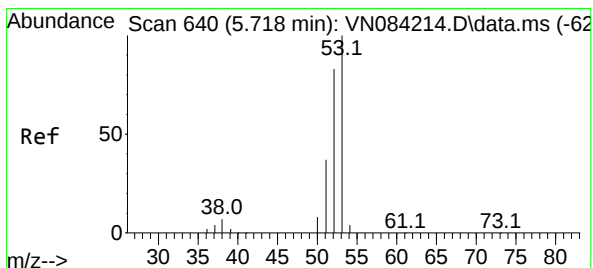
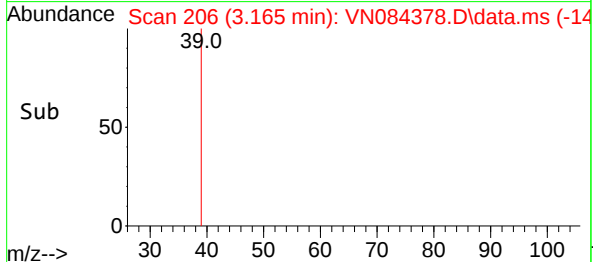
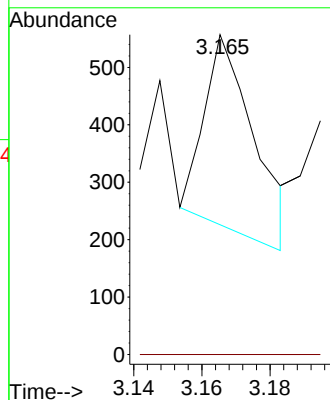
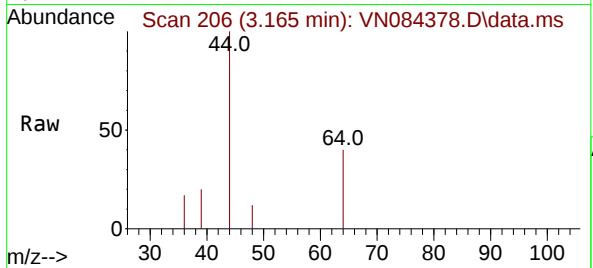




#6
Chloroethane
Concen: 0.207 ug/l
RT: 3.165 min Scan# 206
Delta R.T. 0.047 min
Lab File: VN084378.D
Acq: 10 Oct 2024 10:18

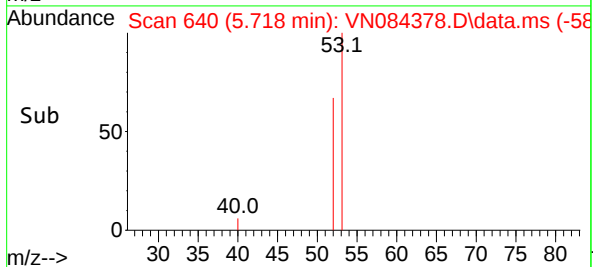
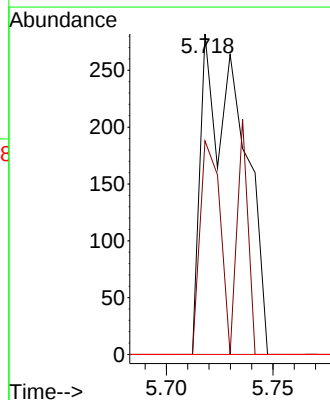
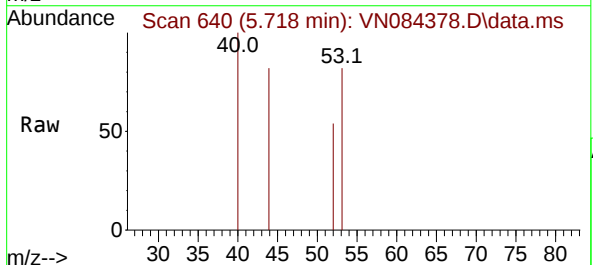
Instrument :
MSVOA_N
ClientSampleId :

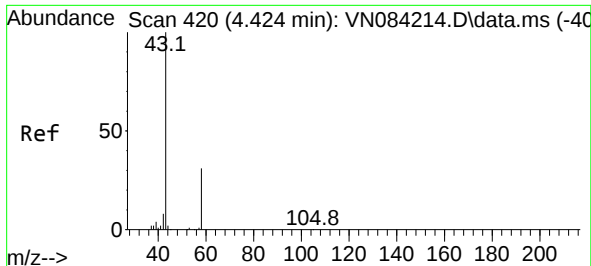
Tgt Ion: 64 Resp: 333
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#15
Acrylonitrile
Concen: 0.350 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN084378.D
Acq: 10 Oct 2024 10:18

Tgt Ion: 53 Resp: 371
Ion Ratio Lower Upper
53 100
52 32.9 66.2 99.4#
51 0.0 28.8 43.2#

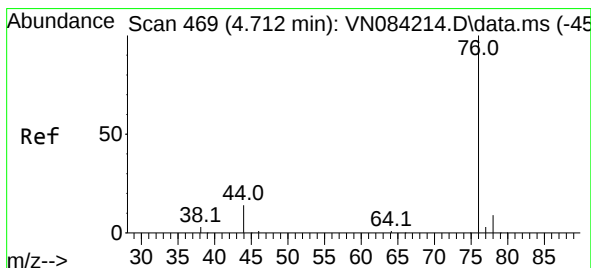
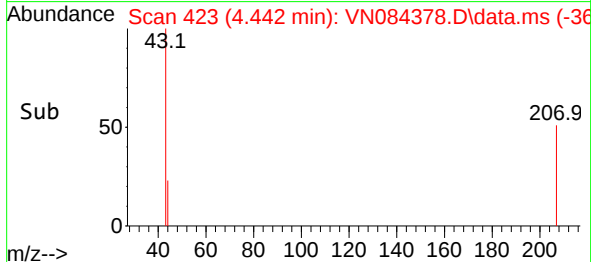
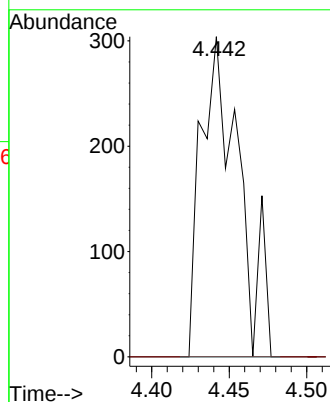
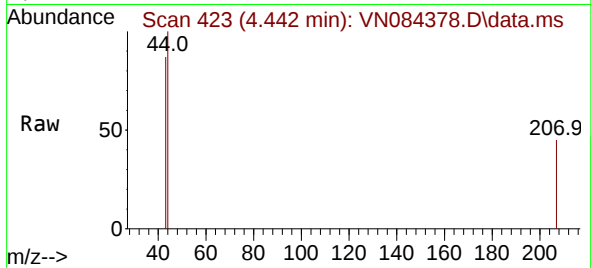




#16
Acetone
Concen: 0.474 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN084378.D
Acq: 10 Oct 2024 10:18

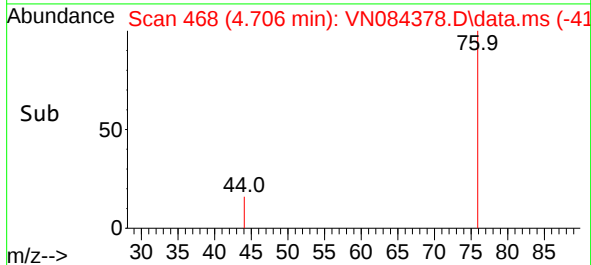
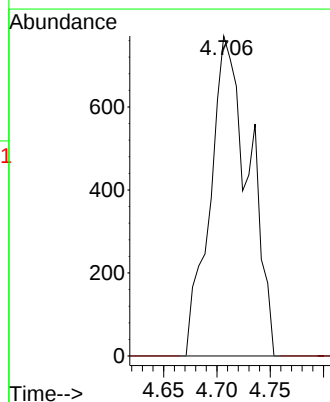
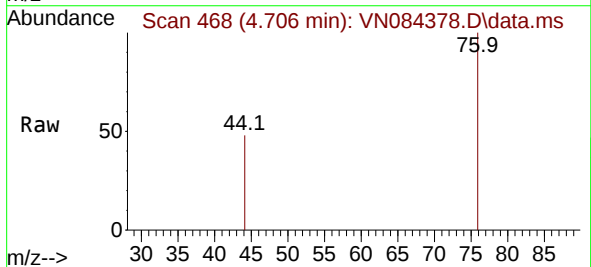
Instrument :
MSVOA_N
ClientSampleId :

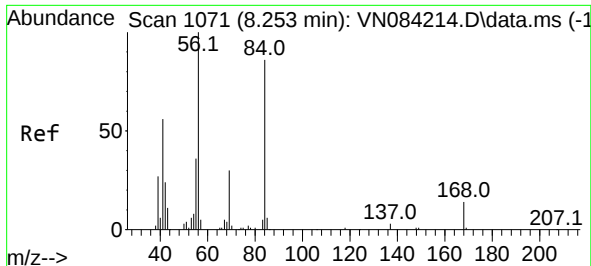
Tgt Ion: 43 Resp: 518
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#17
Carbon Disulfide
Concen: 0.321 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN084378.D
Acq: 10 Oct 2024 10:18

Tgt Ion: 76 Resp: 1964
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#





#31

Cyclohexane

Concen: 1.079 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

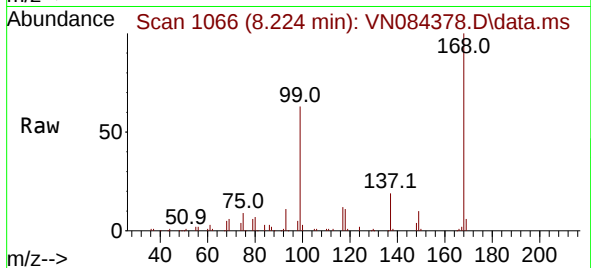
Lab File: VN084378.D

Acq: 10 Oct 2024 10:18

Instrument :

MSVOA_N

ClientSampleId :



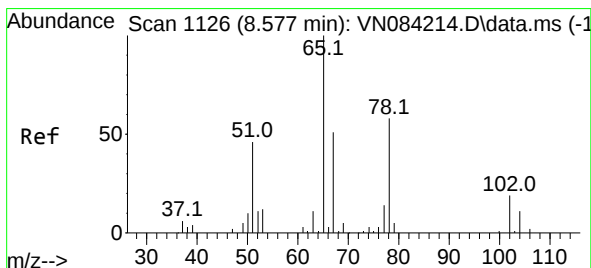
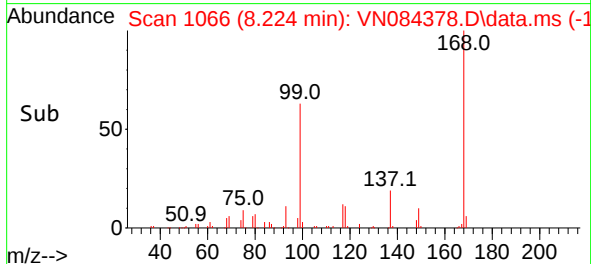
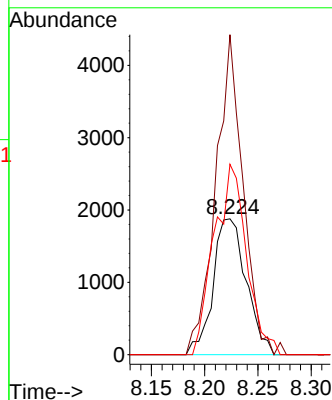
Tgt Ion: 56 Resp: 4070

Ion Ratio Lower Upper

56 100

69 235.6 23.8 35.6#

84 140.2 68.8 103.2#



#33

1,2-Dichloroethane-d4

Concen: 49.993 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN084378.D

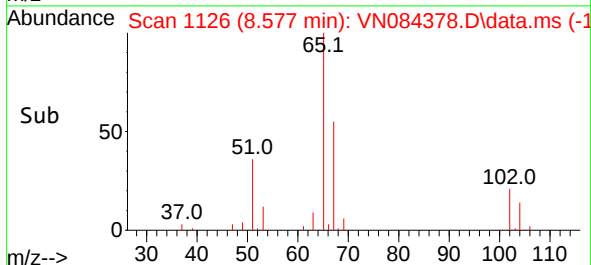
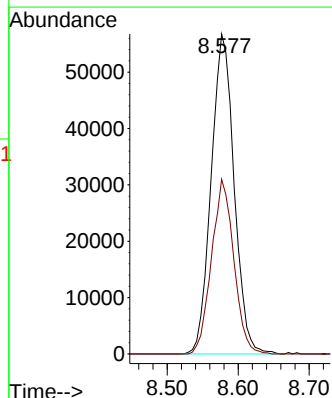
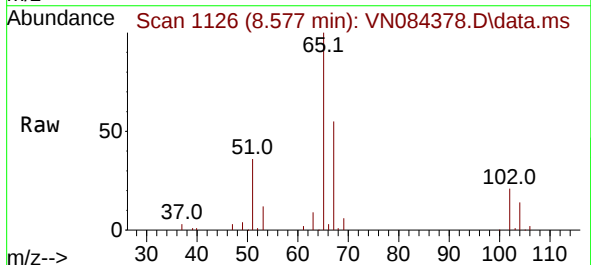
Acq: 10 Oct 2024 10:18

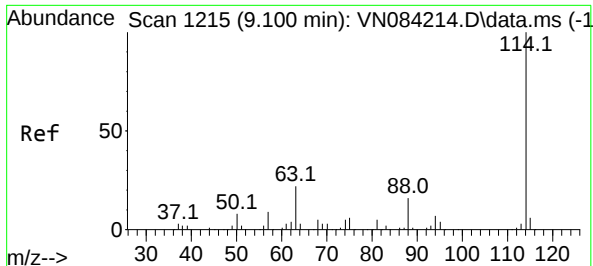
Tgt Ion: 65 Resp: 127268

Ion Ratio Lower Upper

65 100

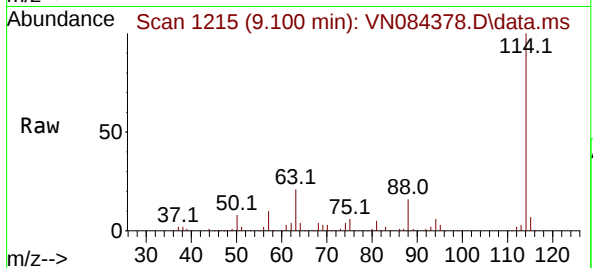
67 53.0 0.0 102.0



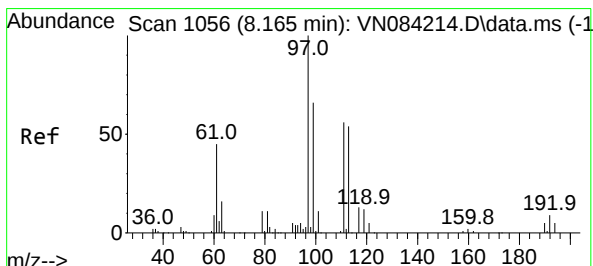
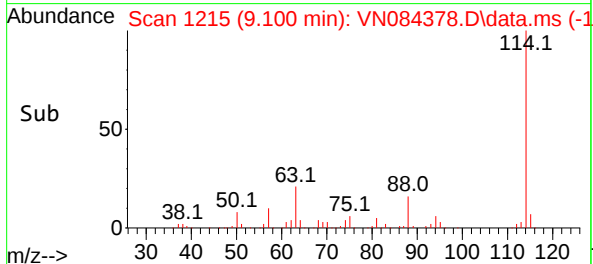
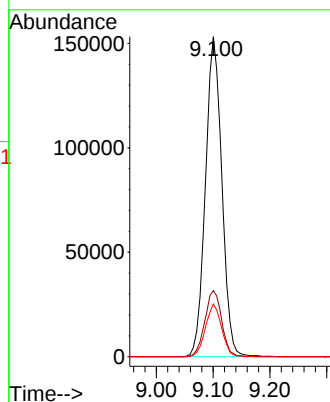


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084378.D
Acq: 10 Oct 2024 10:18

Instrument :
MSVOA_N
ClientSampleId :

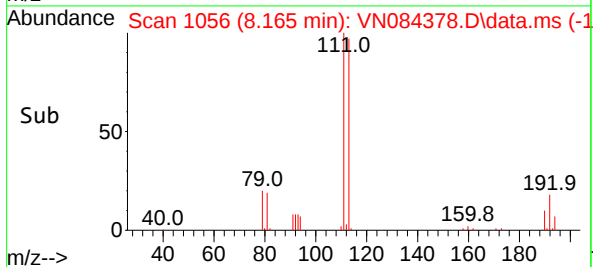
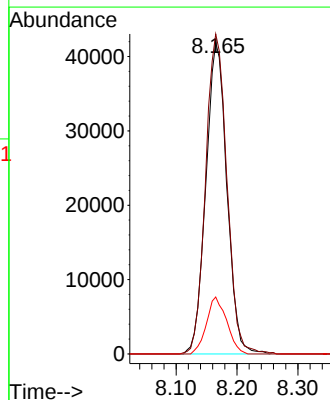
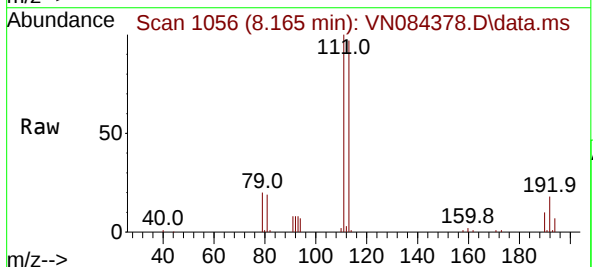


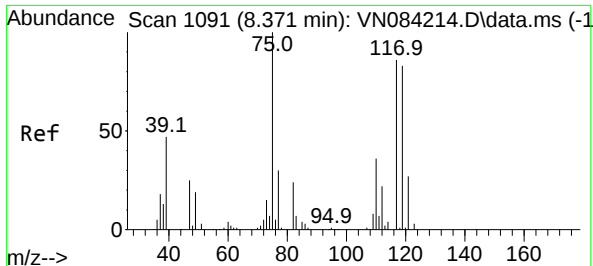
Tgt Ion:114 Resp: 306366
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.8
88 16.5 0.0 31.6



#35
Dibromofluoromethane
Concen: 49.671 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084378.D
Acq: 10 Oct 2024 10:18

Tgt Ion:113 Resp: 100323
Ion Ratio Lower Upper
113 100
111 104.1 83.3 124.9
192 17.6 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.159 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084378.D

Acq: 10 Oct 2024 10:18

Instrument :

MSVOA_N

ClientSampleId :

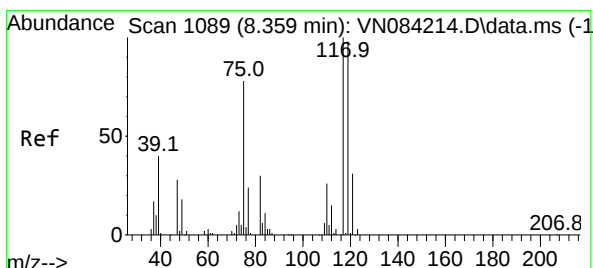
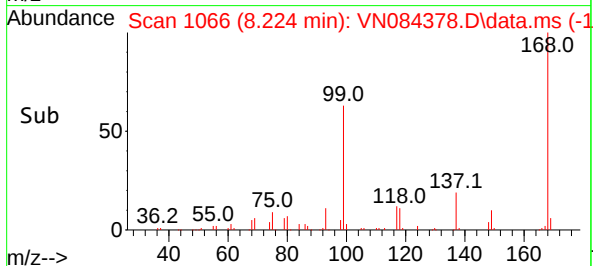
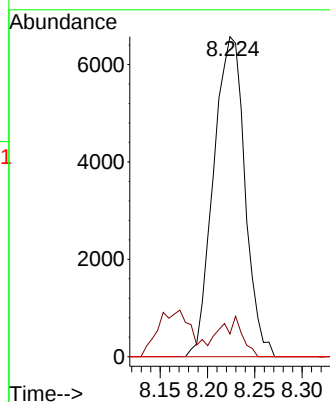
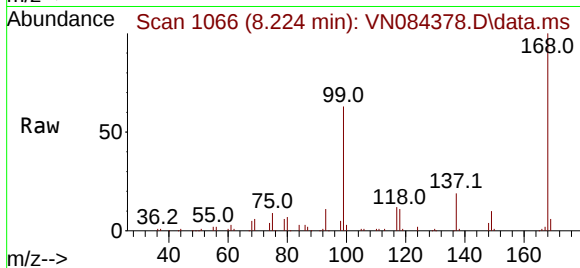
Tgt Ion: 75 Resp: 15134

Ion Ratio Lower Upper

75 100

110 2.8 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.017 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084378.D

Acq: 10 Oct 2024 10:18

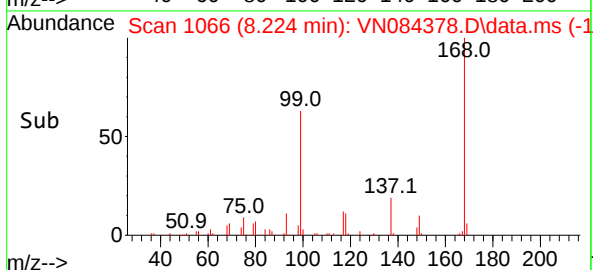
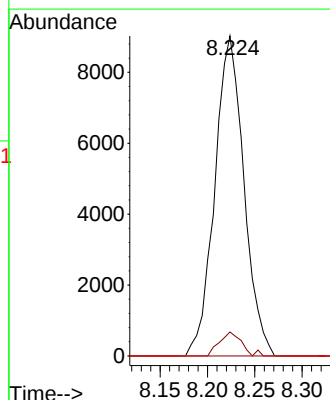
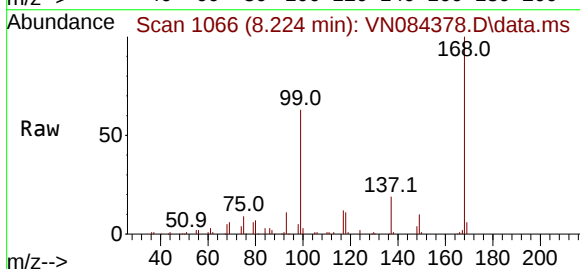
Tgt Ion: 117 Resp: 19363

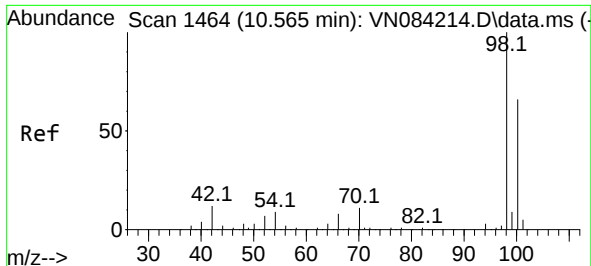
Ion Ratio Lower Upper

117 100

119 7.5 78.7 118.1#

121 0.0 24.4 36.6#

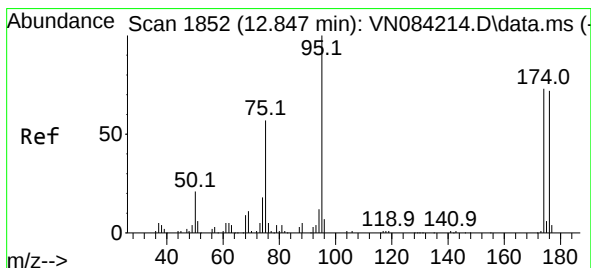
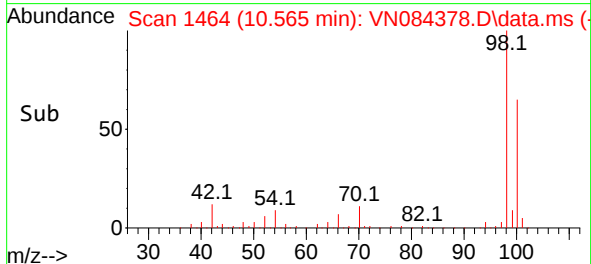
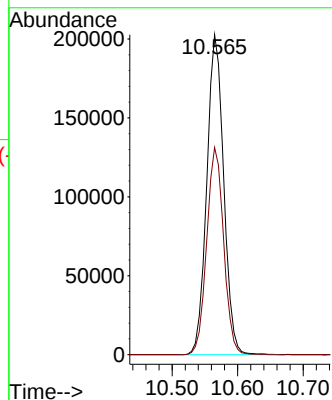
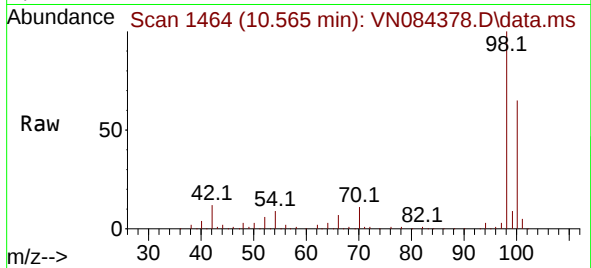




#50
Toluene-d8
Concen: 48.961 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084378.D
Acq: 10 Oct 2024 10:18

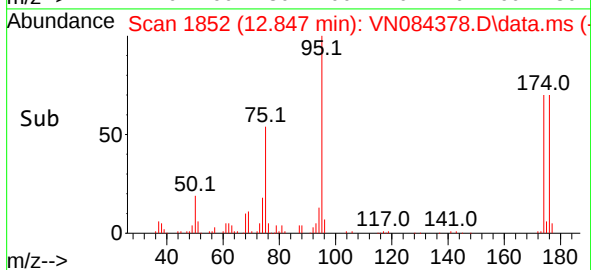
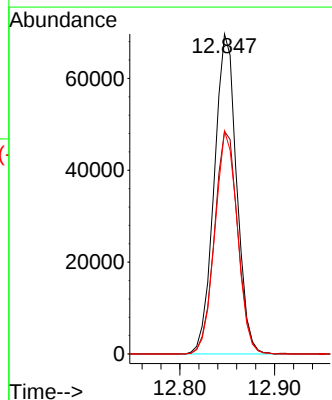
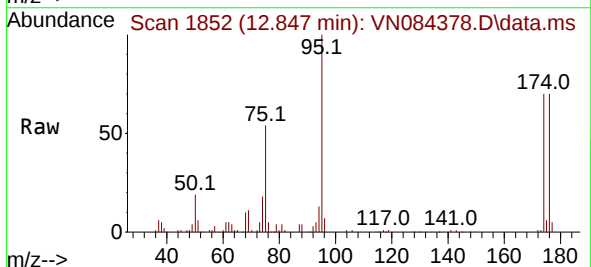
Instrument :
MSVOA_N
ClientSampleId :

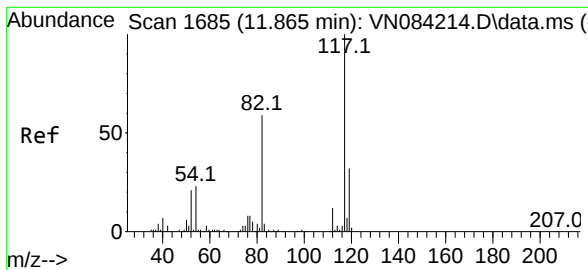
Tgt Ion: 98 Resp: 363823
Ion Ratio Lower Upper
98 100
100 64.8 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 42.251 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084378.D
Acq: 10 Oct 2024 10:18

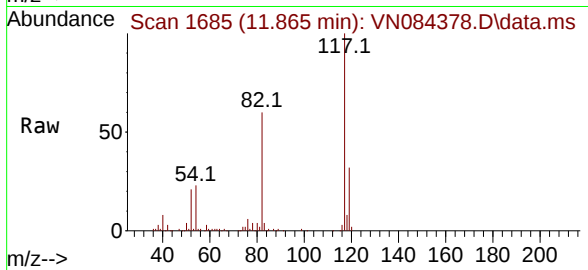
Tgt Ion: 95 Resp: 114379
Ion Ratio Lower Upper
95 100
174 72.4 0.0 145.2
176 70.1 0.0 140.0



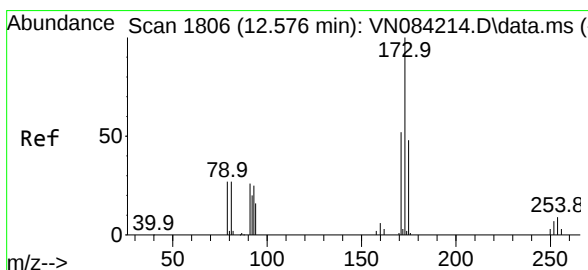
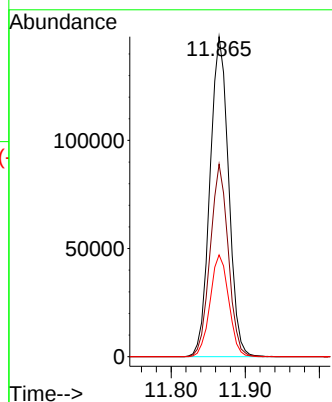
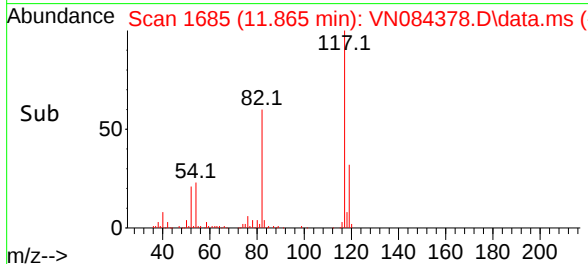


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084378.D
Acq: 10 Oct 2024 10:18

Instrument :
MSVOA_N
ClientSampleId :

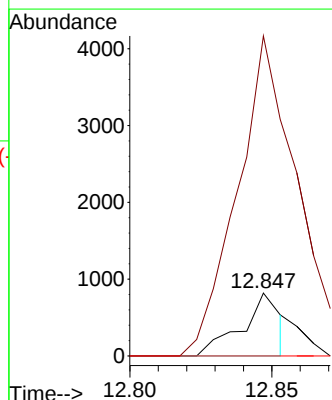
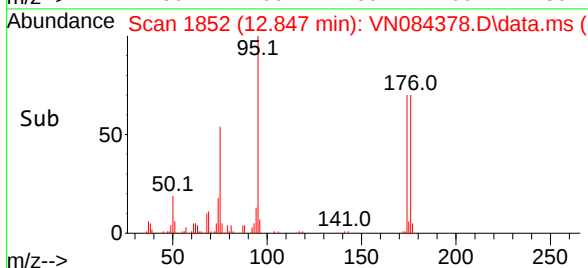
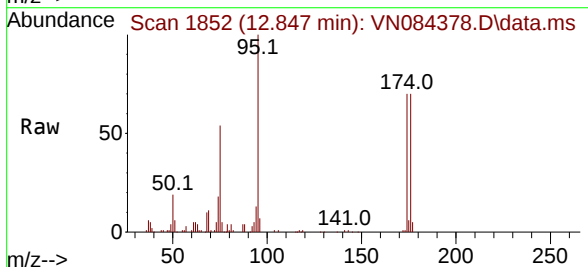


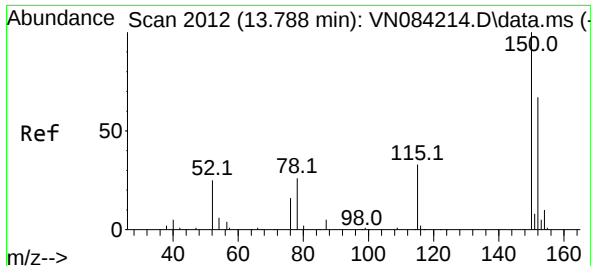
Tgt Ion:117 Resp: 257670
Ion Ratio Lower Upper
117 100
82 60.1 47.2 70.8
119 31.8 25.4 38.0



#71
Bromoform
Concen: 0.536 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084378.D
Acq: 10 Oct 2024 10:18

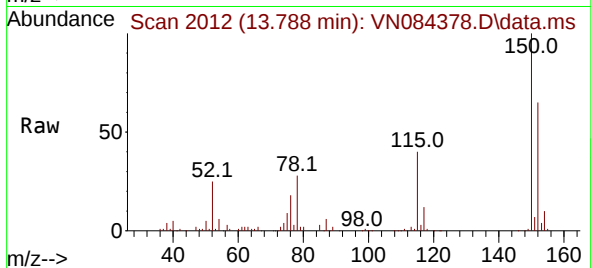
Tgt Ion:173 Resp: 777
Ion Ratio Lower Upper
173 100
175 578.4 23.5 70.6#
254 0.0 0.0 0.0



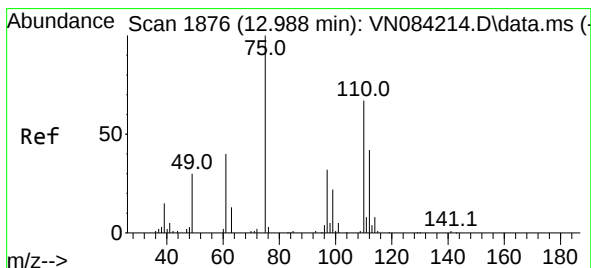
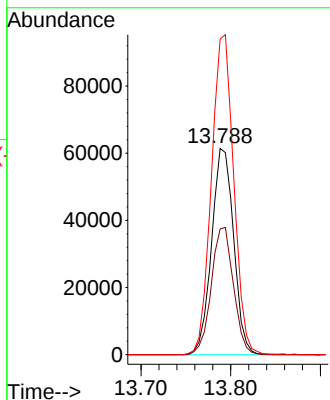
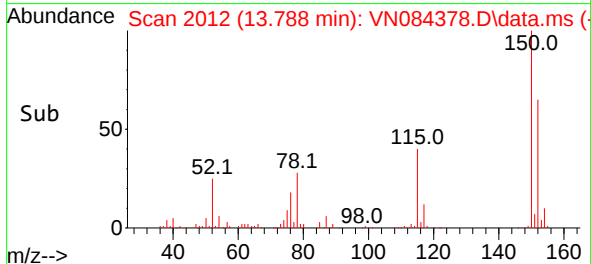


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084378.D
Acq: 10 Oct 2024 10:18

Instrument :
MSVOA_N
ClientSampleId :

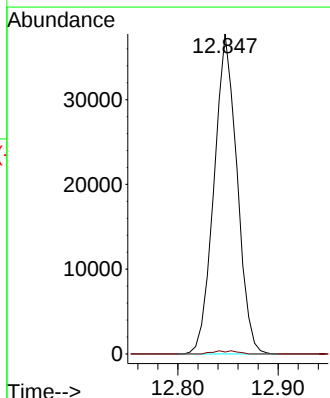
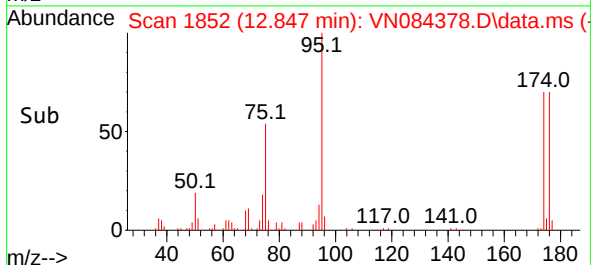
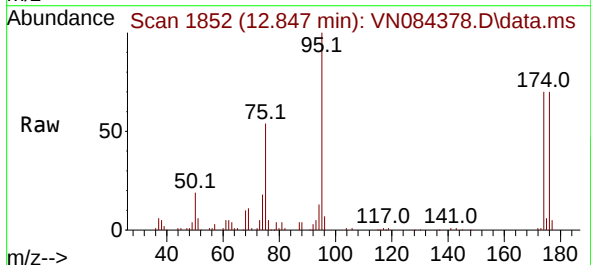


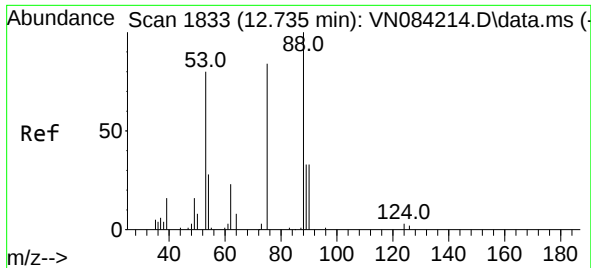
Tgt Ion:152 Resp: 104868
Ion Ratio Lower Upper
152 100
115 61.8 31.3 93.9
150 157.0 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 28.002 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084378.D
Acq: 10 Oct 2024 10:18

Tgt Ion: 75 Resp: 59949
Ion Ratio Lower Upper
75 100
77 1.0 96.9 290.7#

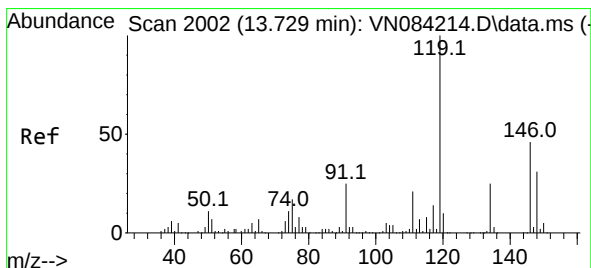
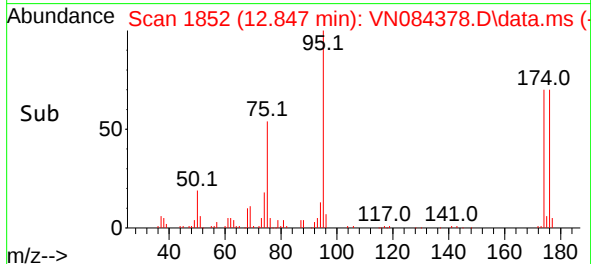
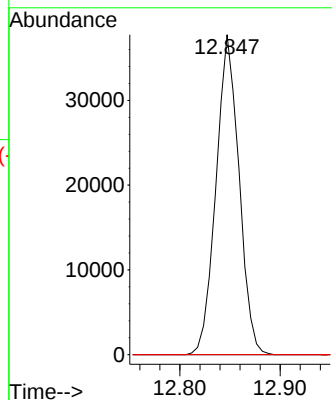
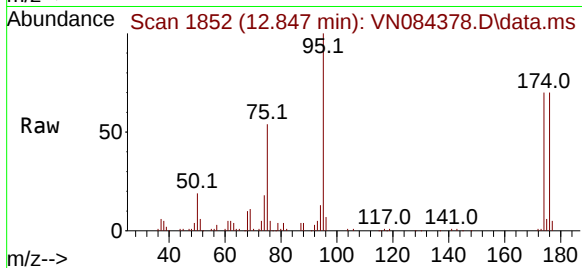




#81
trans-1,4-Dichloro-2-butene
Concen: 67.133 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084378.D
Acq: 10 Oct 2024 10:18

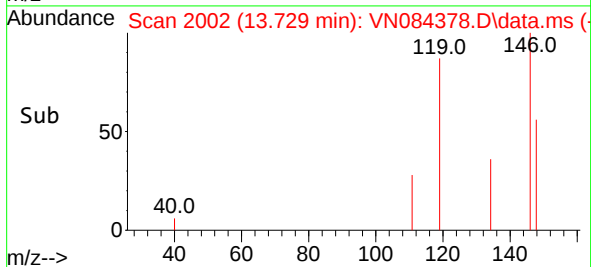
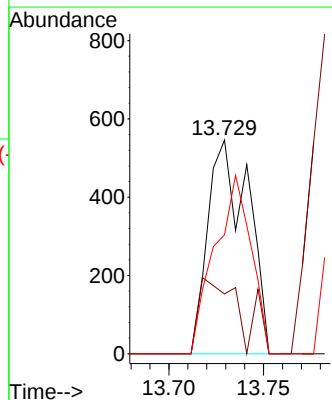
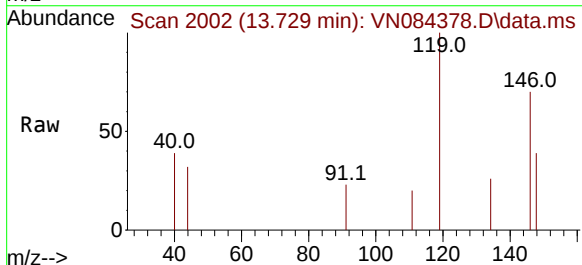
Instrument :
MSVOA_N
ClientSampleId :

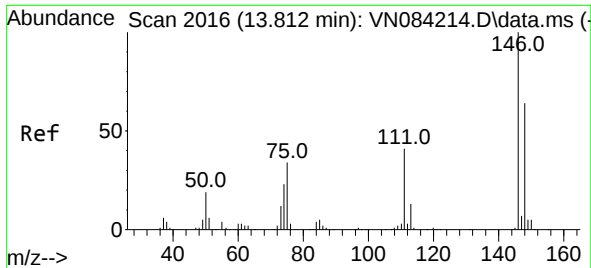
Tgt Ion: 75 Resp: 59949
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#87
1,3-Dichlorobenzene
Concen: 0.221 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084378.D
Acq: 10 Oct 2024 10:18

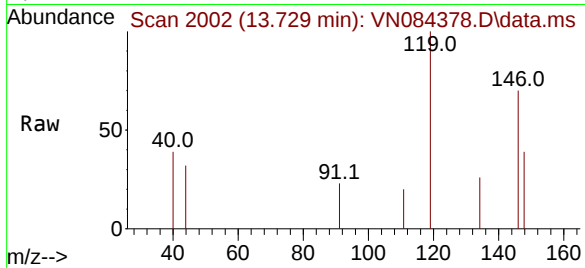
Tgt Ion:146 Resp: 802
Ion Ratio Lower Upper
146 100
111 37.7 21.8 65.3
148 75.3 31.9 95.7



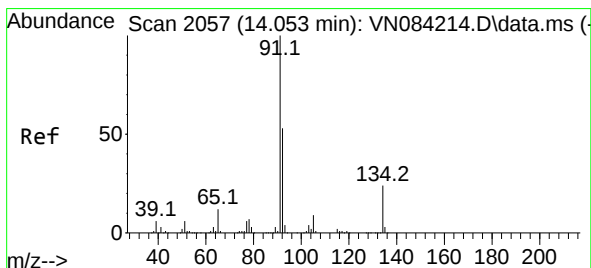
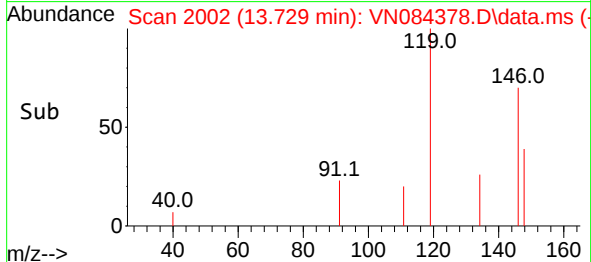
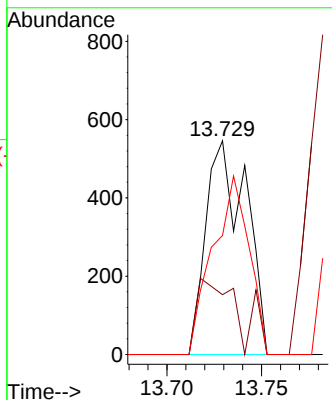


#88
1,4-Dichlorobenzene
Concen: 0.219 ug/l
RT: 13.729 min Scan# 2016
Delta R.T. -0.082 min
Lab File: VN084378.D
Acq: 10 Oct 2024 10:18

Instrument :
MSVOA_N
ClientSampleId :

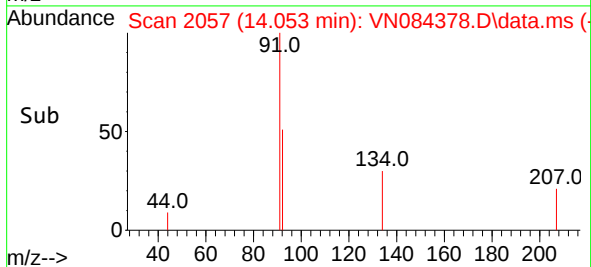
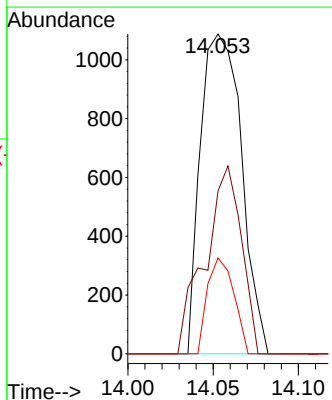
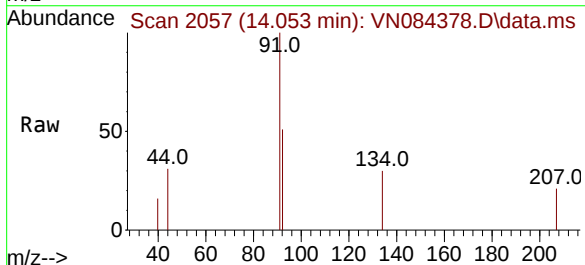


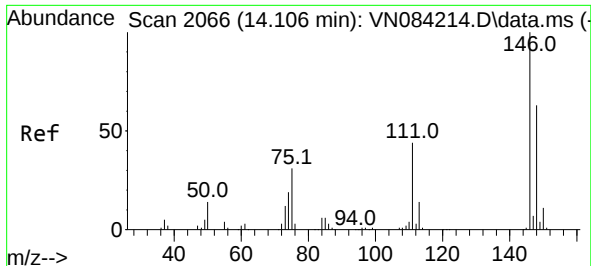
Tgt Ion:146 Resp: 802
Ion Ratio Lower Upper
146 100
111 37.7 21.2 63.6
148 75.3 31.9 95.9



#89
n-Butylbenzene
Concen: 0.314 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN084378.D
Acq: 10 Oct 2024 10:18

Tgt Ion: 91 Resp: 1820
Ion Ratio Lower Upper
91 100
92 52.4 26.6 79.7
134 19.3 12.3 36.9





#91

1,2-Dichlorobenzene

Concen: 0.277 ug/l

RT: 14.100 min Scan# 2066

Delta R.T. -0.006 min

Lab File: VN084378.D

Acq: 10 Oct 2024 10:18

Instrument :

MSVOA_N

ClientSampleId :

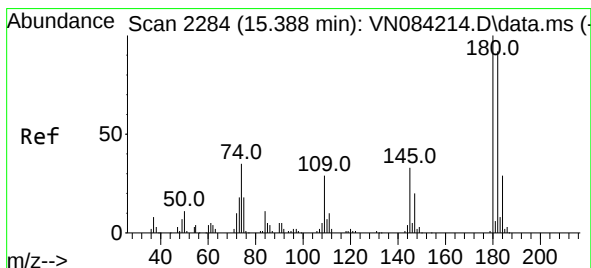
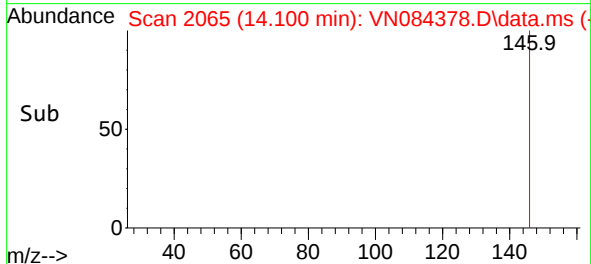
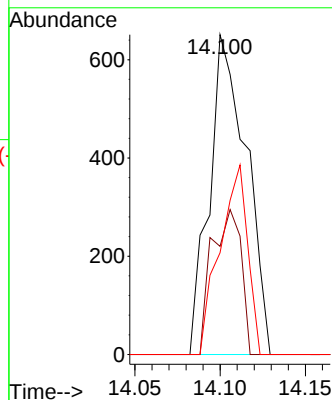
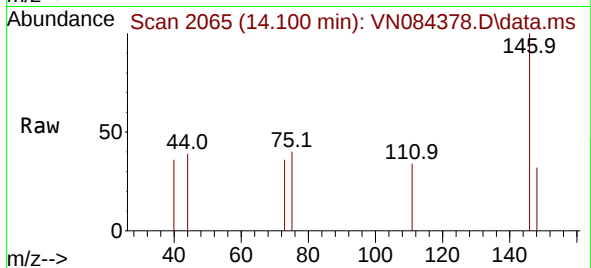
Tgt Ion:146 Resp: 982

Ion Ratio Lower Upper

146 100

111 35.7 22.0 66.0

148 44.6 32.1 96.3



#93

1,2,4-Trichlorobenzene

Concen: 0.826 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. 0.000 min

Lab File: VN084378.D

Acq: 10 Oct 2024 10:18

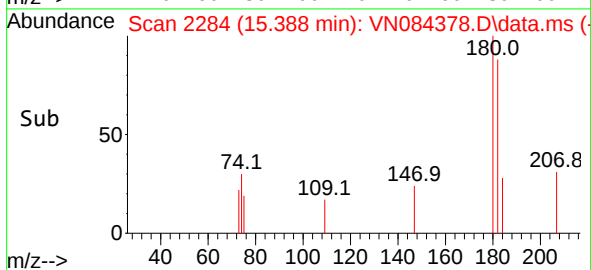
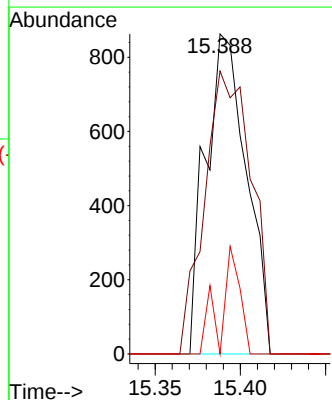
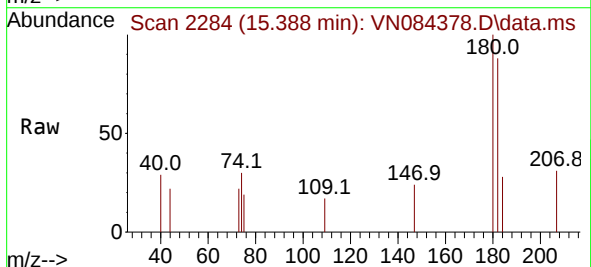
Tgt Ion:180 Resp: 1444

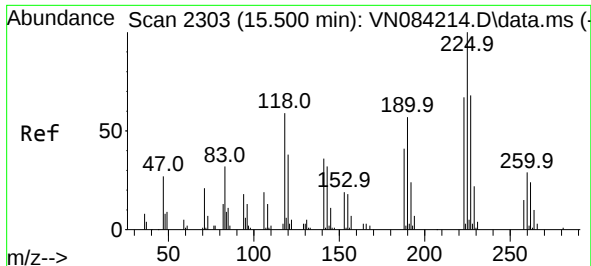
Ion Ratio Lower Upper

180 100

182 100.7 47.0 141.0

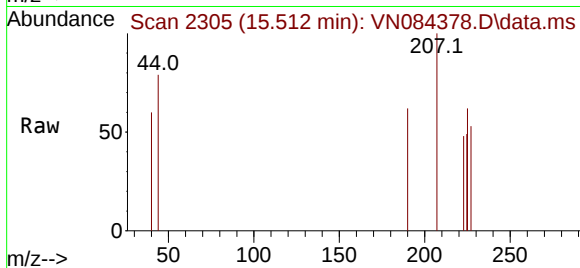
145 15.9 16.4 49.4#



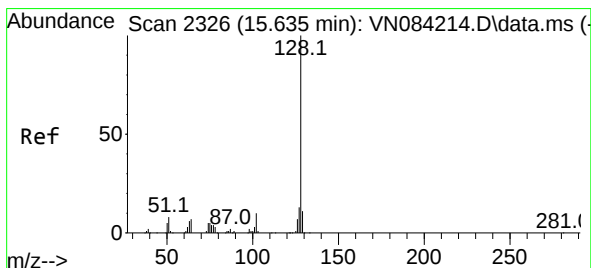
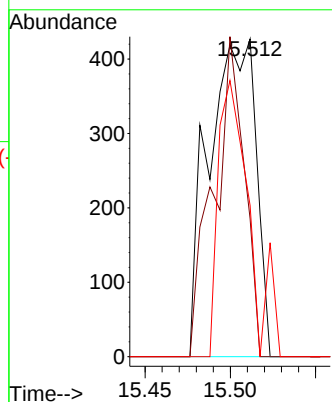
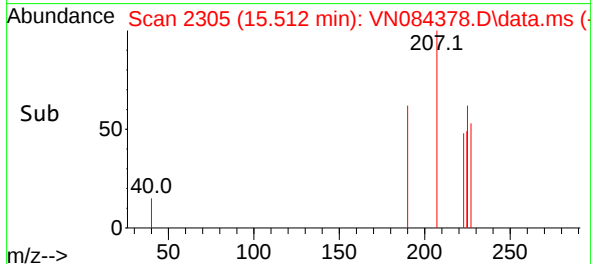


#94
Hexachlorobutadiene
Concen: 0.941 ug/l
RT: 15.512 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN084378.D
Acq: 10 Oct 2024 10:18

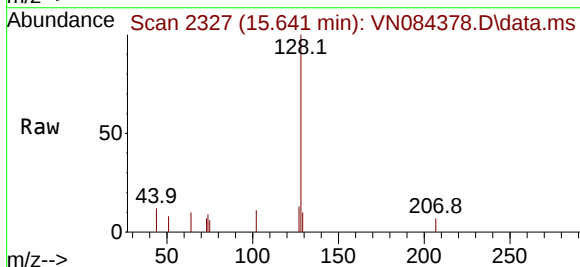
Instrument :
MSVOA_N
ClientSampleId :



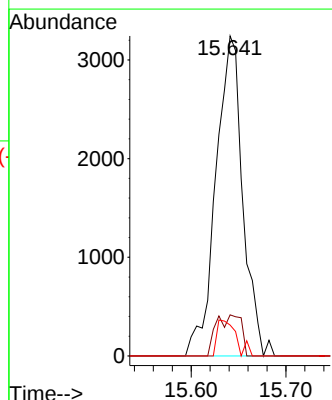
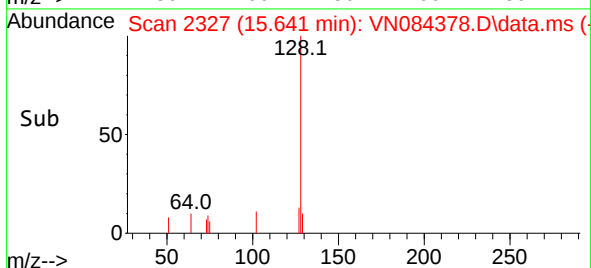
Tgt Ion:225 Resp: 821
Ion Ratio Lower Upper
225 100
223 65.3 32.4 97.2
227 57.0 32.4 97.0

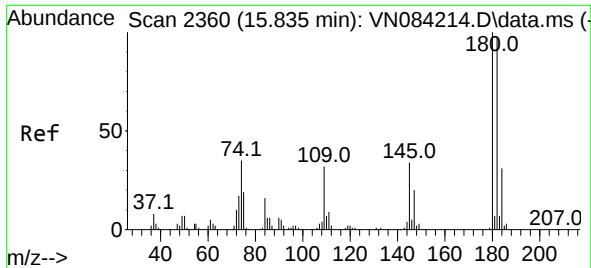


#95
Naphthalene
Concen: 1.107 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084378.D
Acq: 10 Oct 2024 10:18



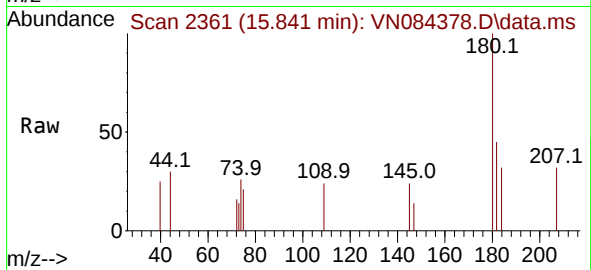
Tgt Ion:128 Resp: 6416
Ion Ratio Lower Upper
128 100
127 11.9 10.5 15.7
129 7.9 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.029 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN084378.D
 Acq: 10 Oct 2024 10:18

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1802
Ion	Ratio	Lower	Upper
180	100		
182	81.5	48.2	144.6
145	25.0	17.3	51.9

