

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
 Data File : VN084849.D
 Acq On : 14 Nov 2024 14:12
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 00:47:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

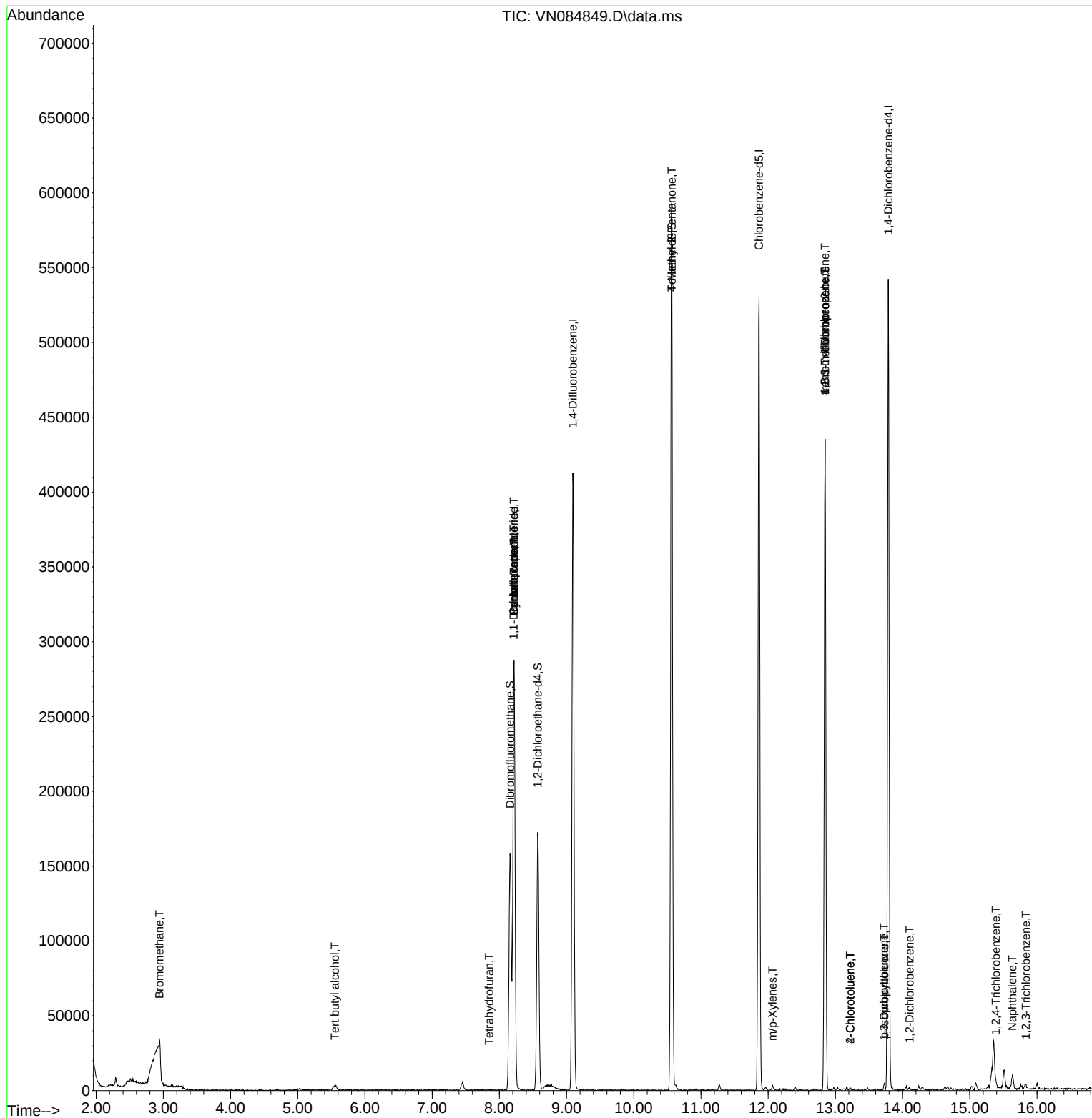
Internal Standards						
1) Pentafluorobenzene	8.218	168	211189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	364075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	313468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	144718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	145589	47.730	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.460%		
35) Dibromofluoromethane	8.159	113	117217	47.565	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.140%		
50) Toluene-d8	10.565	98	421705	46.454	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.900%		
62) 4-Bromofluorobenzene	12.847	95	157235	46.345	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.700%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	434	Below Cal	#	41
5) Bromomethane	2.942	94	285	0.206	ug/l #	4
6) Chloroethane	3.148	64	65	Below Cal	#	45
11) Tert butyl alcohol	5.553	59	6680	16.591	ug/l #	81
16) Acetone	4.430	43	59	Below Cal	#	44
18) Methyl Acetate	5.024	43	2232	Below Cal	#	70
29) Tetrahydrofuran	7.847	42	308	0.326	ug/l #	34
31) Cyclohexane	8.218	56	4486	1.065	ug/l #	1
36) 1,1-Dichloropropene	8.212	75	16714	4.890	ug/l #	51
38) Carbon Tetrachloride	8.218	117	22527	5.897	ug/l #	14
43) Isopropyl Acetate	8.700	43	2720	Below Cal	#	56
51) 4-Methyl-2-Pentanone	10.565	43	1874	0.634	ug/l #	1
68) m/p-Xylenes	12.065	106	1397	0.315	ug/l #	69
76) 1,2,3-Trichloropropane	12.847	75	79880	27.613	ug/l #	1
79) 2-Chlorotoluene	13.223	91	1746	0.225	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.847	75	79880	65.509	ug/l #	11
82) 4-Chlorotoluene	13.223	91	1746	0.214	ug/l	97
86) p-Isopropyltoluene	13.729	119	1670	0.207	ug/l	93
87) 1,3-Dichlorobenzene	13.723	146	1095	0.206	ug/l	92
88) 1,4-Dichlorobenzene	13.723	146	1095	Below Cal		91
91) 1,2-Dichlorobenzene	14.106	146	1023	0.200	ug/l	81
93) 1,2,4-Trichlorobenzene	15.388	180	1401	0.501	ug/l	86
95) Naphthalene	15.635	128	9293	1.109	ug/l	95
96) 1,2,3-Trichlorobenzene	15.835	180	1142	0.420	ug/l	96

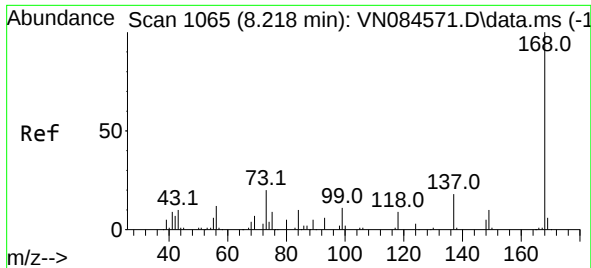
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084849.D
Acq On : 14 Nov 2024 14:12
Operator : JC\MD
Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 15 00:47:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

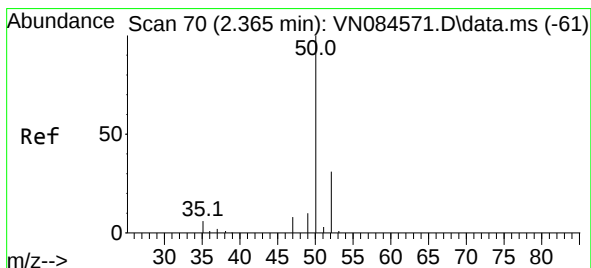
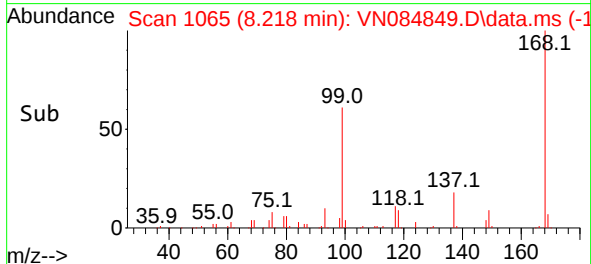
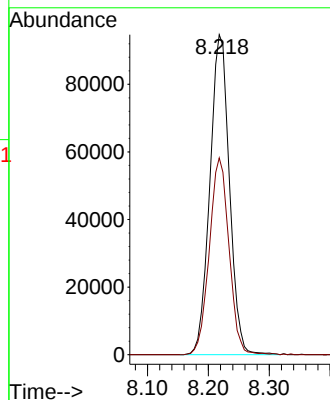
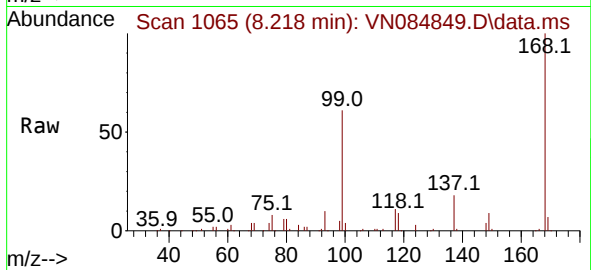




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084849.D
Acq: 14 Nov 2024 14:12

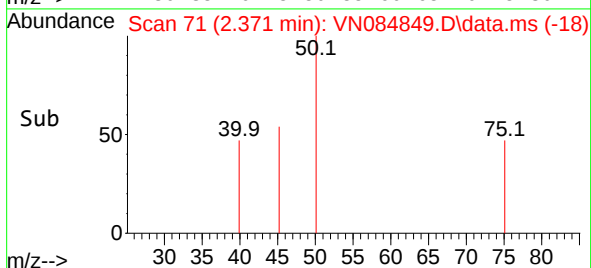
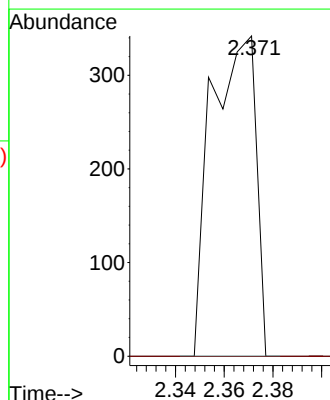
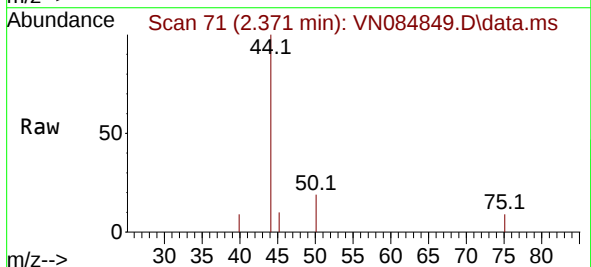
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 211189
Ion Ratio Lower Upper
168 100
99 61.5 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN084849.D
Acq: 14 Nov 2024 14:12

Tgt Ion: 50 Resp: 434
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

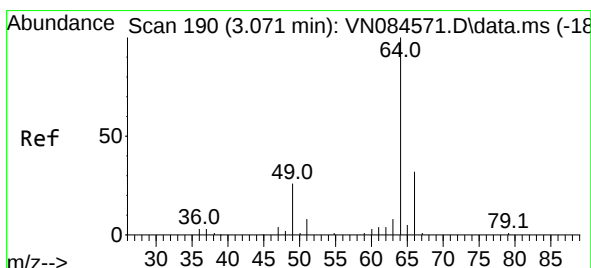
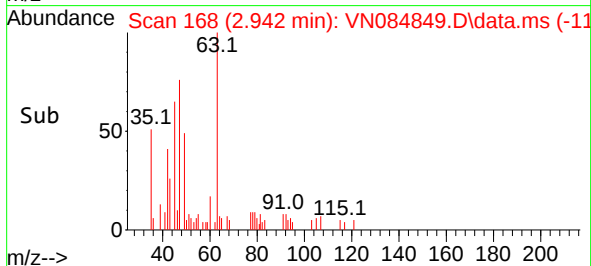
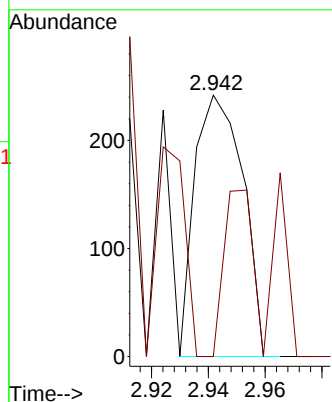
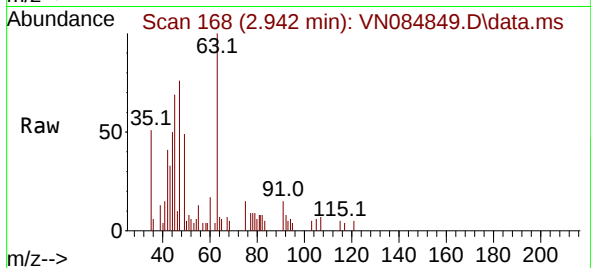




#5
Bromomethane
Concen: 0.206 ug/l
RT: 2.942 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN084849.D
Acq: 14 Nov 2024 14:12

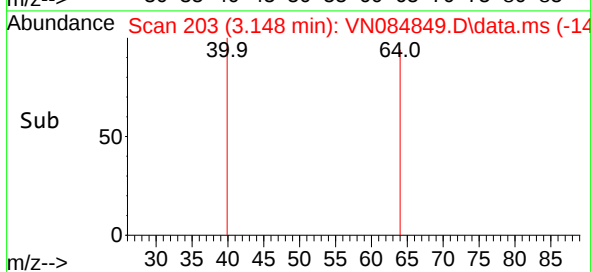
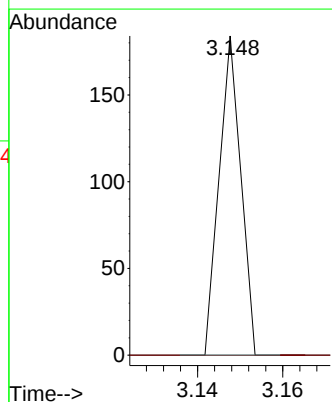
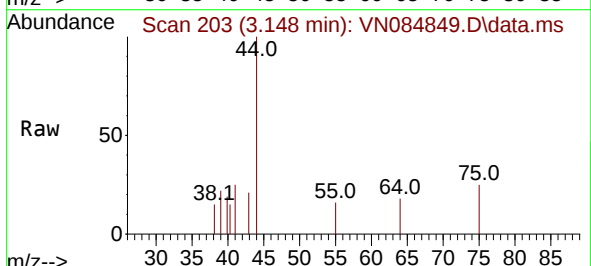
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 94 Resp: 285
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.148 min Scan# 203
Delta R.T. 0.030 min
Lab File: VN084849.D
Acq: 14 Nov 2024 14:12

Tgt Ion: 64 Resp: 65
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

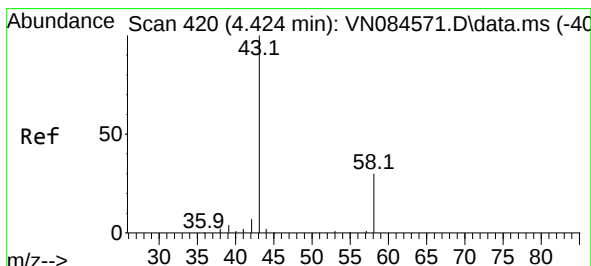
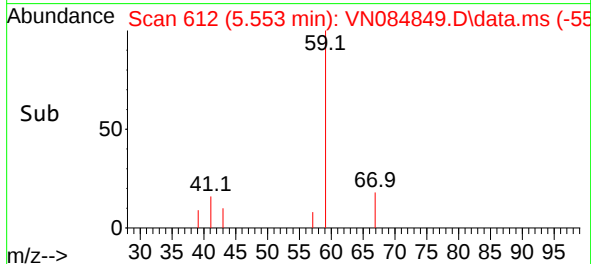
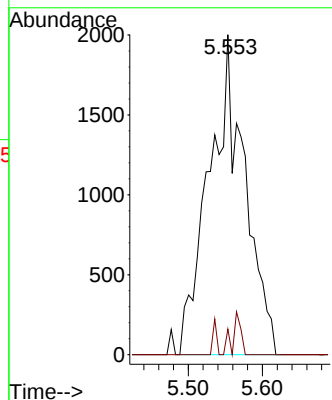
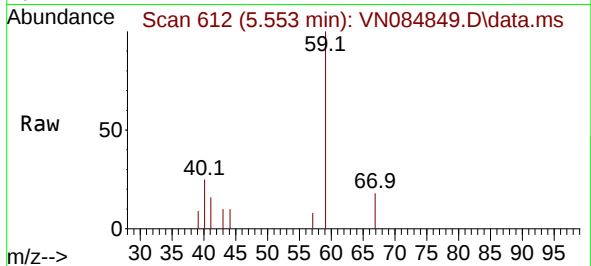




#11
Tert butyl alcohol
Concen: 16.591 ug/l
RT: 5.553 min Scan# 61
Delta R.T. 0.029 min
Lab File: VN084849.D
Acq: 14 Nov 2024 14:12

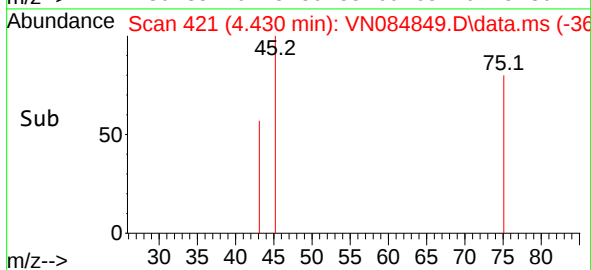
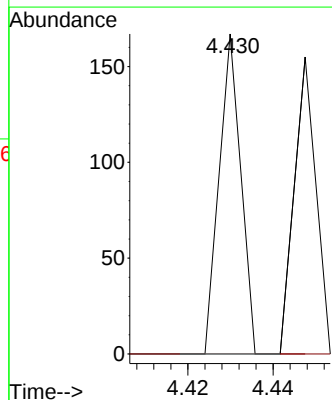
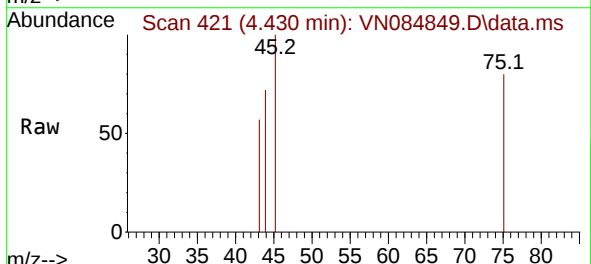
Instrument :
MSVOA_N
ClientSampleId :

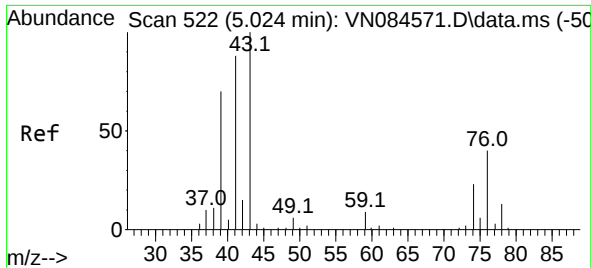
Tgt Ion: 59 Resp: 6680
Ion Ratio Lower Upper
59 100
57 3.1 8.2 12.2#



#16
Acetone
Concen: Below Cal
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084849.D
Acq: 14 Nov 2024 14:12

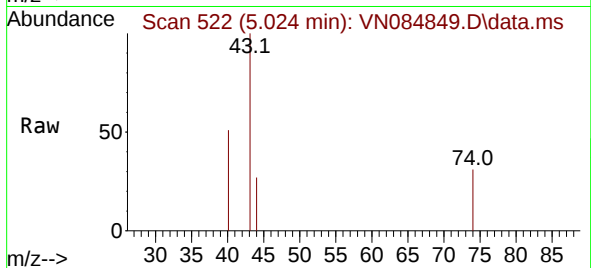
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



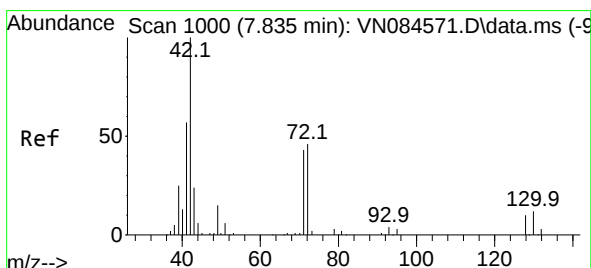
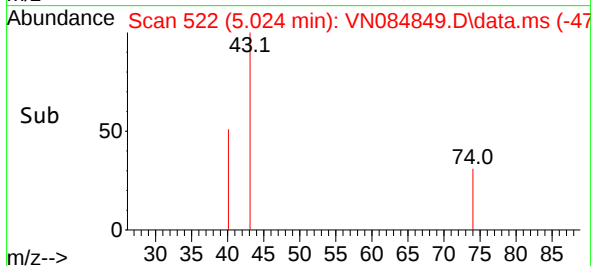
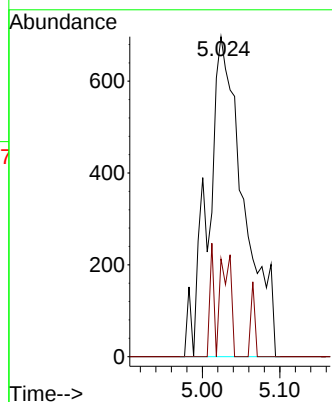


#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084849.D
Acq: 14 Nov 2024 14:12

Instrument :
MSVOA_N
ClientSampleId :

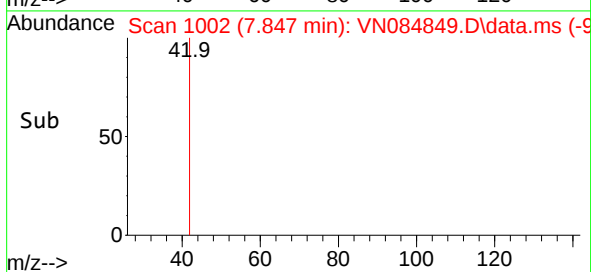
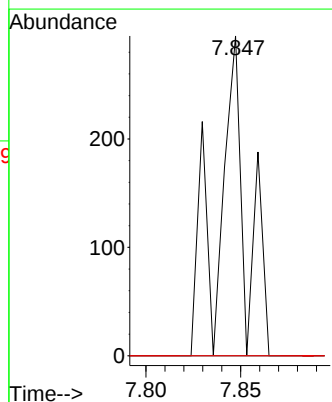
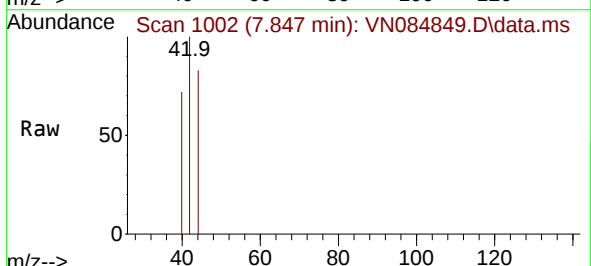


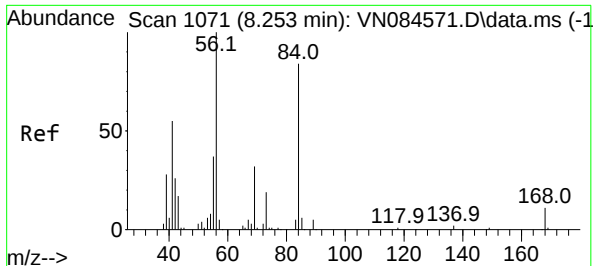
Tgt Ion: 43 Resp: 2232
Ion Ratio Lower Upper
43 100
74 9.4 19.2 28.8#



#29
Tetrahydrofuran
Concen: 0.326 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN084849.D
Acq: 14 Nov 2024 14:12

Tgt Ion: 42 Resp: 308
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 0.0 32.2 48.4#





#31

Cyclohexane

Concen: 1.065 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

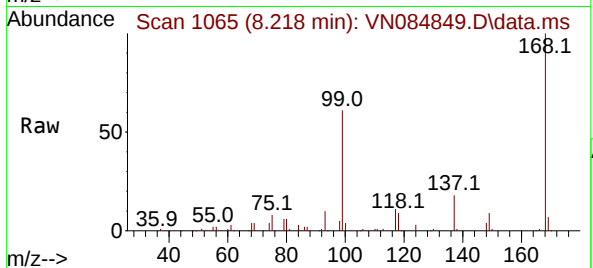
Lab File: VN084849.D

Acq: 14 Nov 2024 14:12

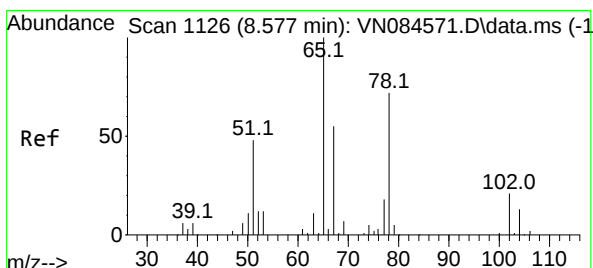
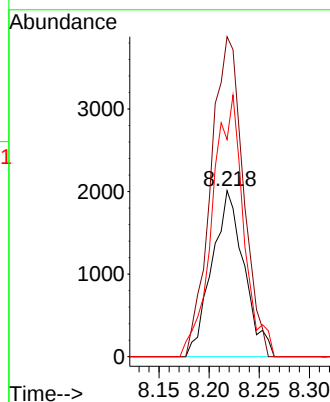
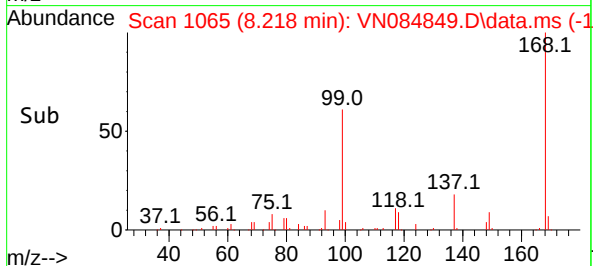
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 4486
Ion Ratio	Lower Upper
56	100
69	192.7 23.8 35.6#
84	130.7 68.8 103.2#



#33

1,2-Dichloroethane-d4

Concen: 47.730 ug/l

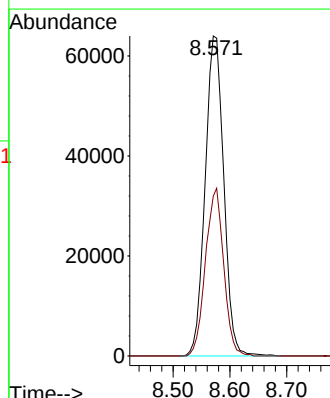
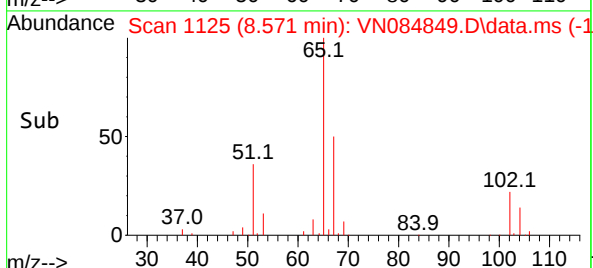
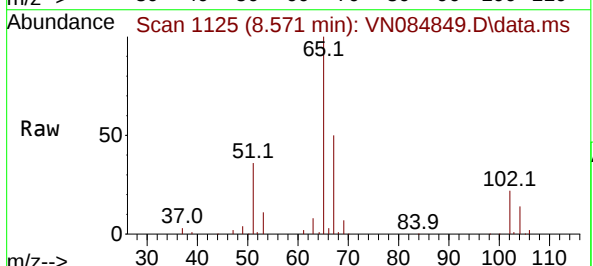
RT: 8.571 min Scan# 1125

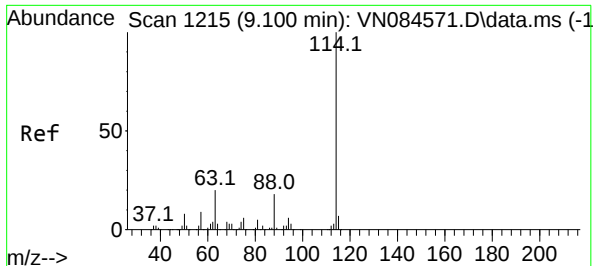
Delta R.T. -0.006 min

Lab File: VN084849.D

Acq: 14 Nov 2024 14:12

Tgt Ion: 65	Resp: 145589
Ion Ratio	Lower Upper
65	100
67	51.3 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN084849.D

Acq: 14 Nov 2024 14:12

Instrument :

MSVOA_N

ClientSampleId :

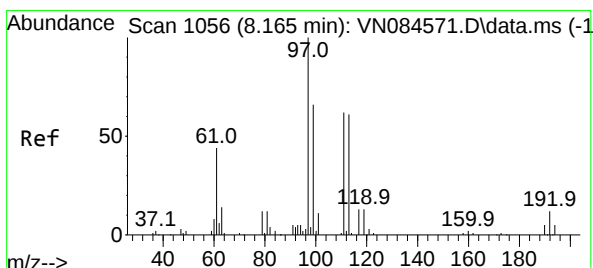
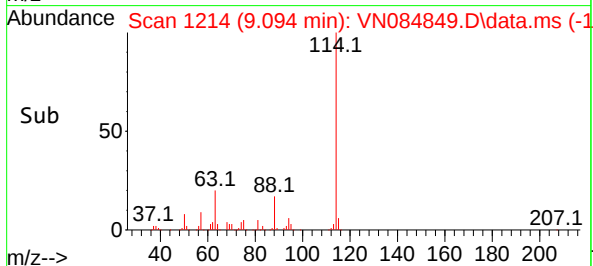
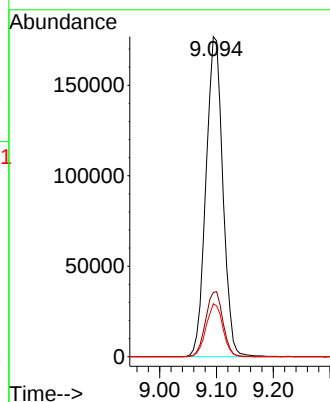
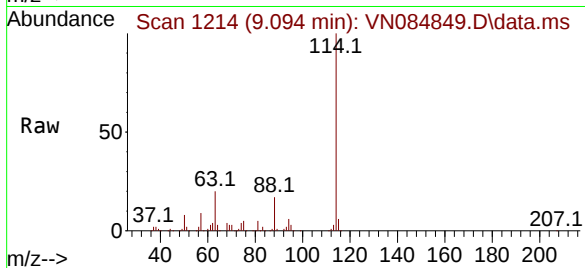
Tgt Ion:114 Resp: 364075

Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.8

88 16.6 0.0 31.6



#35

Dibromofluoromethane

Concen: 47.565 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084849.D

Acq: 14 Nov 2024 14:12

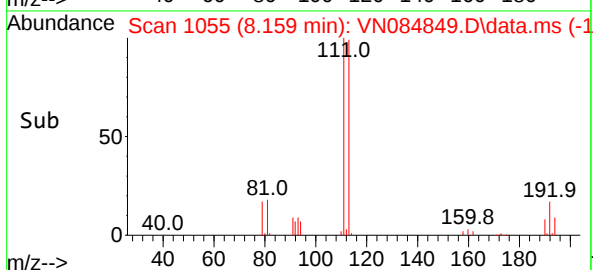
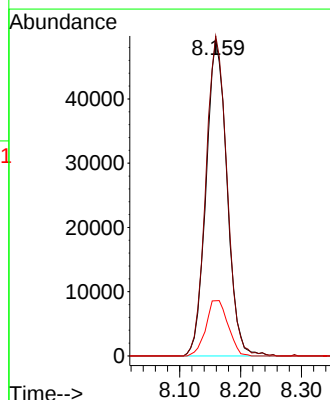
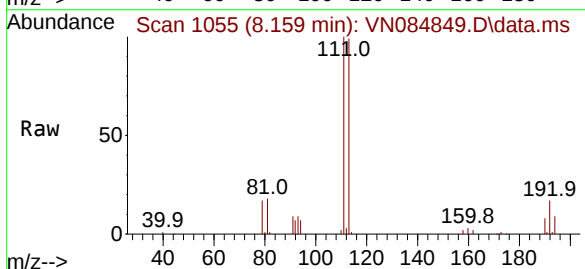
Tgt Ion:113 Resp: 117217

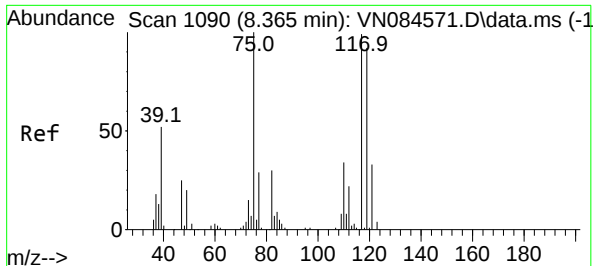
Ion Ratio Lower Upper

113 100

111 102.5 83.3 124.9

192 18.6 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.890 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.159 min

Lab File: VN084849.D

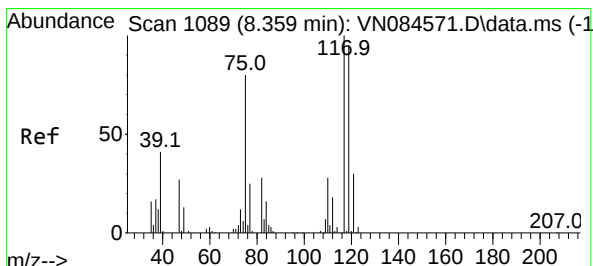
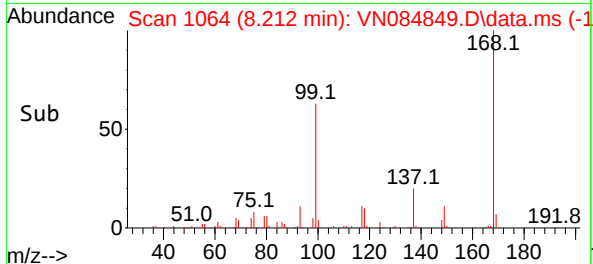
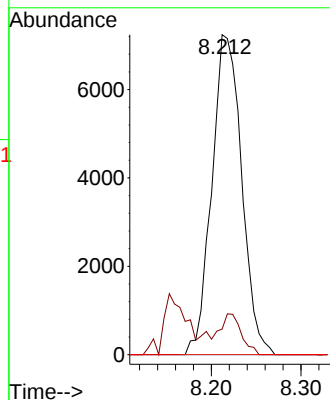
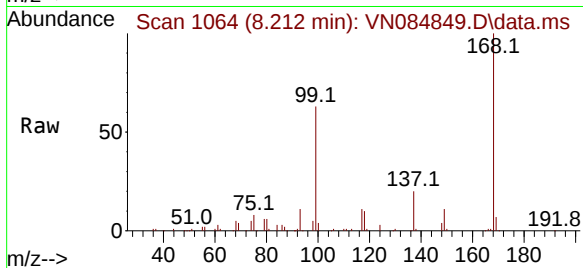
Acq: 14 Nov 2024 14:12

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	16714
Ion Ratio	Lower	Upper	
75	100		
110	9.2	16.9	50.7#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 5.897 ug/l

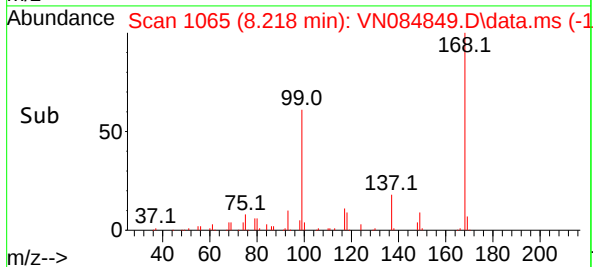
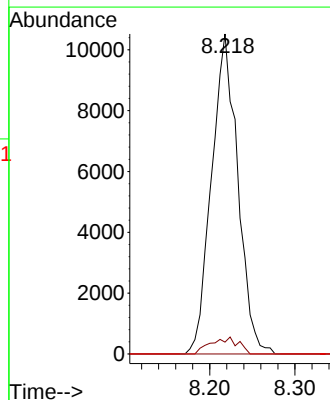
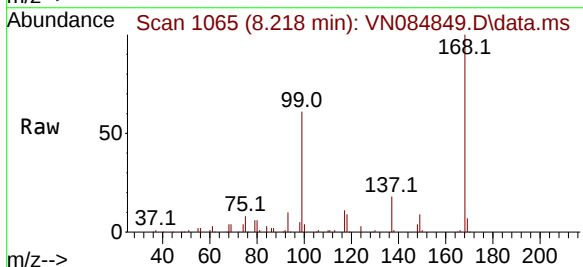
RT: 8.218 min Scan# 1065

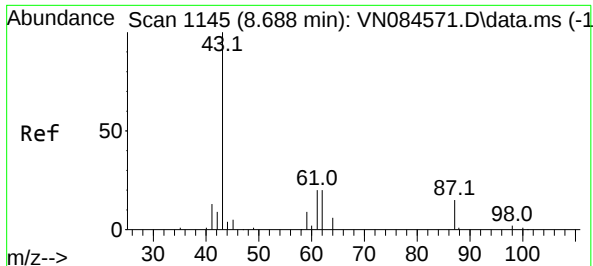
Delta R.T. -0.141 min

Lab File: VN084849.D

Acq: 14 Nov 2024 14:12

Tgt Ion:	117	Resp:	22527
Ion Ratio	Lower	Upper	
117	100		
119	3.7	78.7	118.1#
121	0.0	24.4	36.6#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.700 min Scan# 1145

Delta R.T. 0.012 min

Lab File: VN084849.D

Acq: 14 Nov 2024 14:12

Instrument :

MSVOA_N

ClientSampleId :

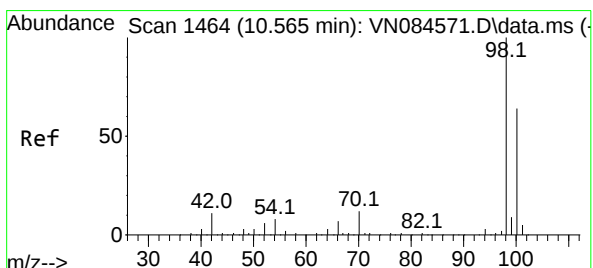
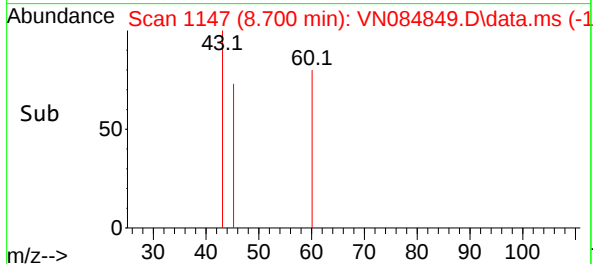
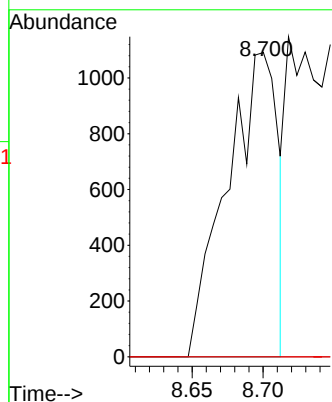
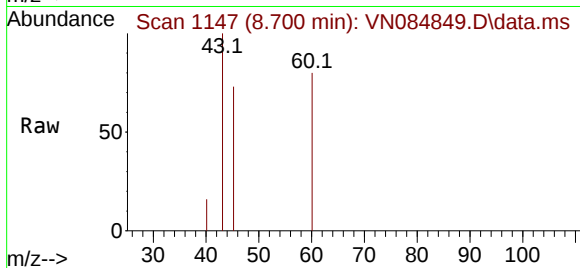
Tgt Ion: 43 Resp: 2720

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 10.3 15.5#



#50

Toluene-d8

Concen: 46.454 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084849.D

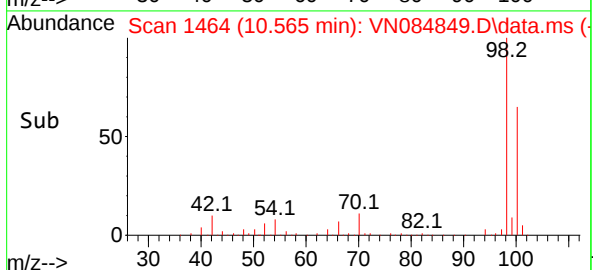
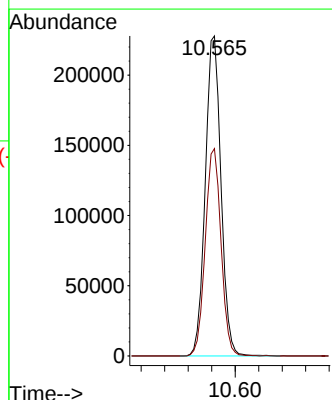
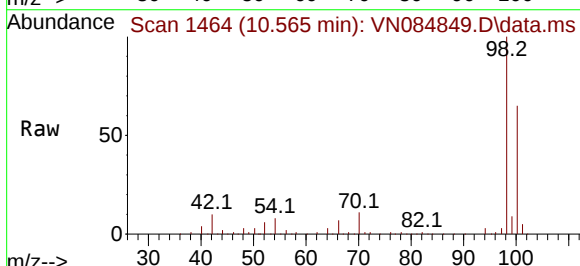
Acq: 14 Nov 2024 14:12

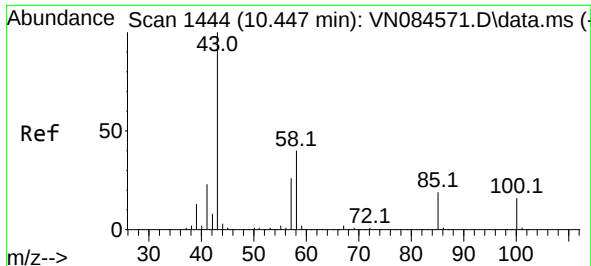
Tgt Ion: 98 Resp: 421705

Ion Ratio Lower Upper

98 100

100 65.0 52.7 79.1

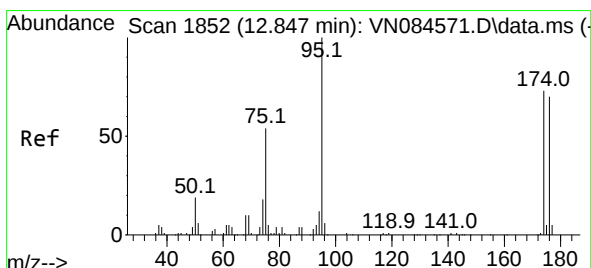
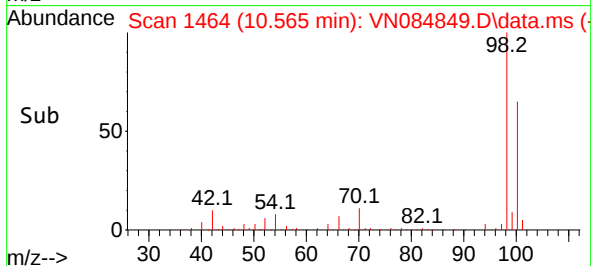
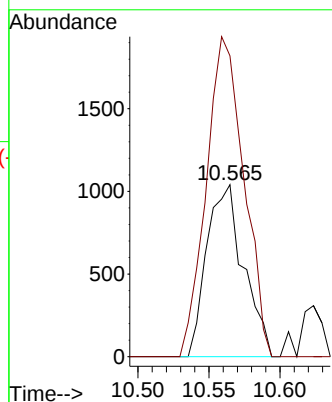
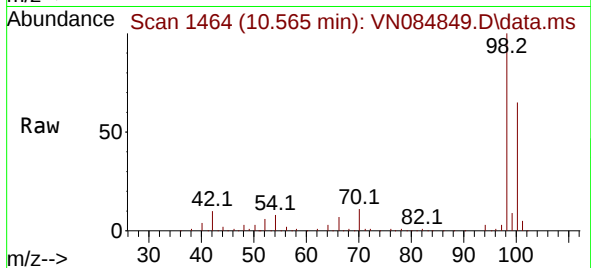




#51
4-Methyl-2-Pentanone
Concen: 0.634 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.124 min
Lab File: VN084849.D
Acq: 14 Nov 2024 14:12

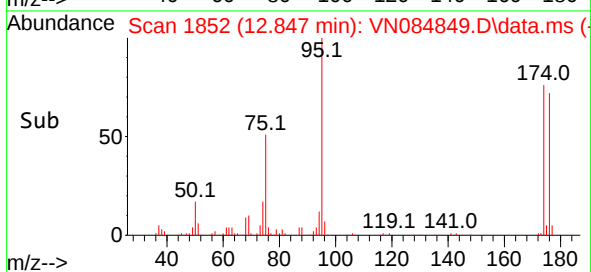
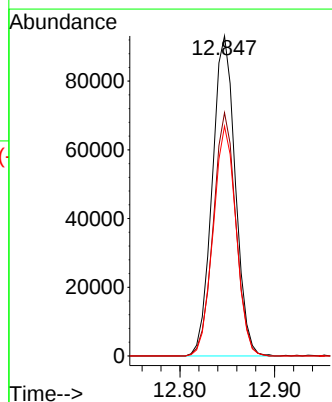
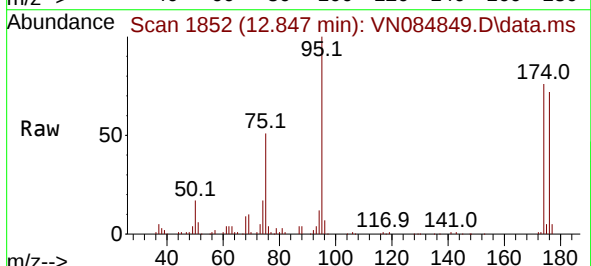
Instrument :
MSVOA_N
ClientSampleId :

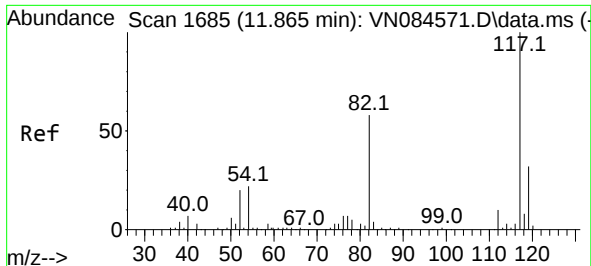
Tgt Ion: 43 Resp: 1874
Ion Ratio Lower Upper
43 100
58 190.9 31.6 47.4#



#62
4-Bromofluorobenzene
Concen: 46.345 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084849.D
Acq: 14 Nov 2024 14:12

Tgt Ion: 95 Resp: 157235
Ion Ratio Lower Upper
95 100
174 74.7 0.0 145.2
176 71.3 0.0 140.0

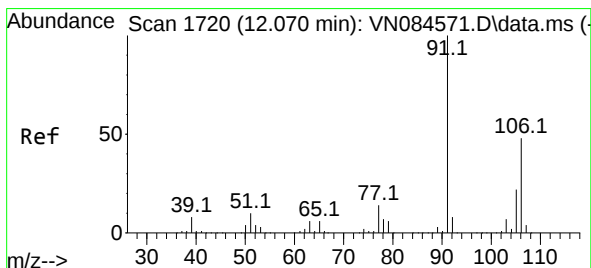
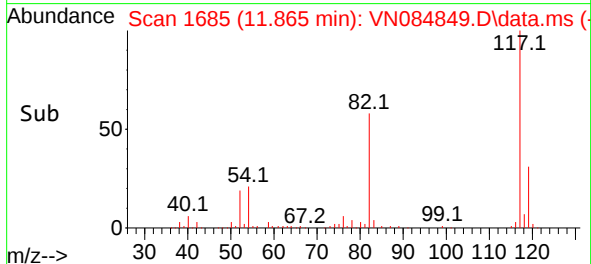
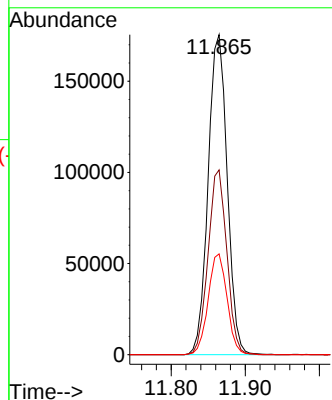
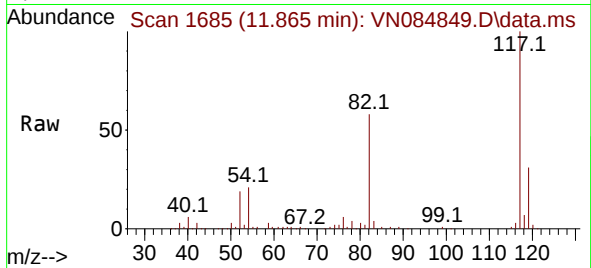




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11719
Delta R.T. -0.000 min
Lab File: VN084849.D
Acq: 14 Nov 2024 14:12

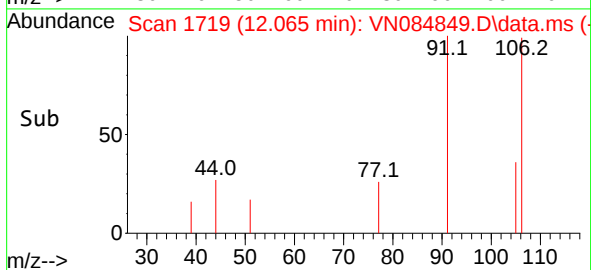
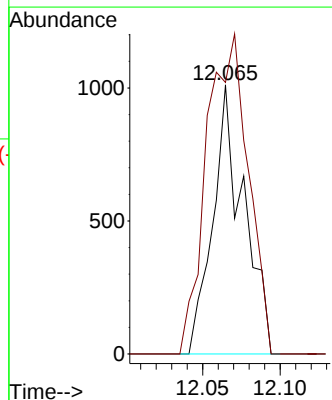
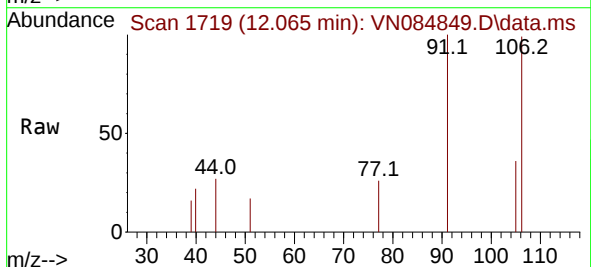
Instrument :
MSVOA_N
ClientSampleId :

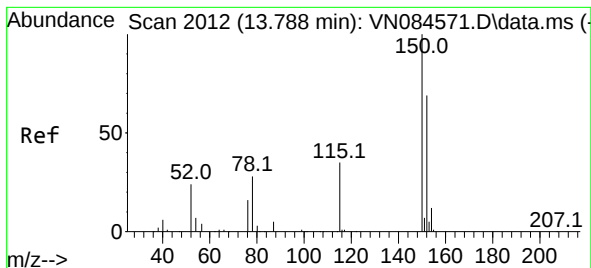
Tgt Ion:117 Resp: 313468
Ion Ratio Lower Upper
117 100
82 57.8 47.2 70.8
119 31.5 25.4 38.0



#68
m/p-Xylenes
Concen: 0.315 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084849.D
Acq: 14 Nov 2024 14:12

Tgt Ion:106 Resp: 1397
Ion Ratio Lower Upper
106 100
91 161.1 167.1 250.7#

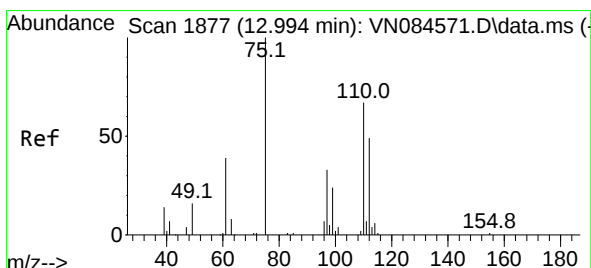
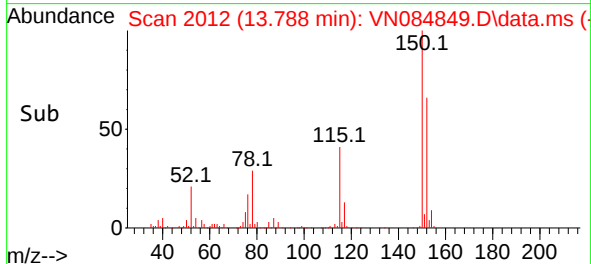
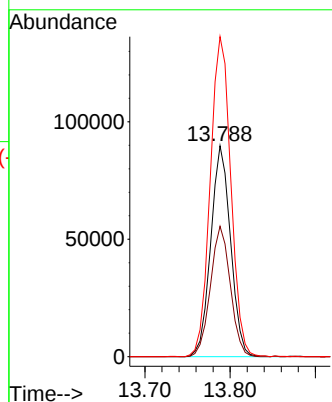
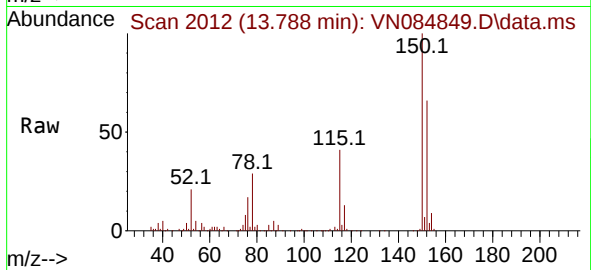




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084849.D
Acq: 14 Nov 2024 14:12

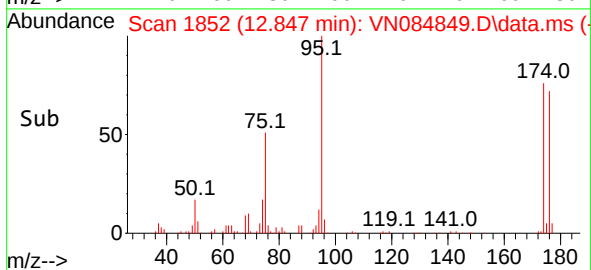
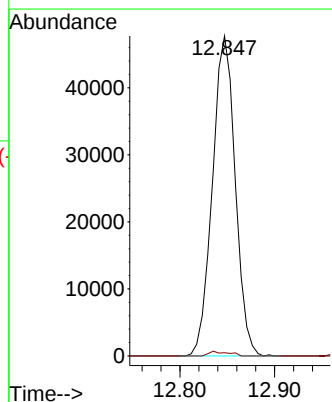
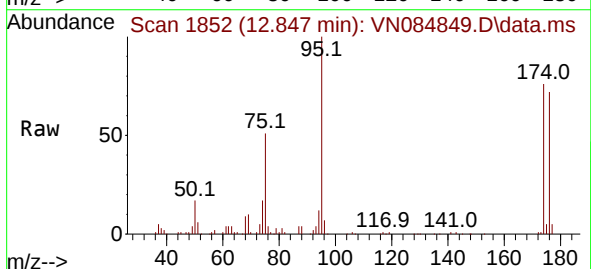
Instrument :
MSVOA_N
ClientSampleId :

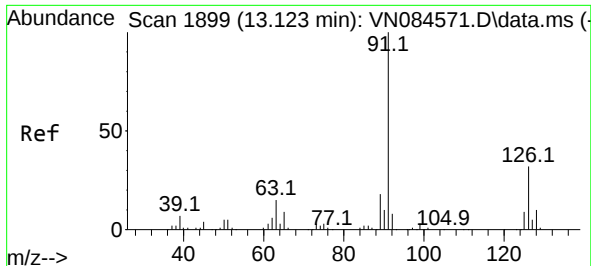
Tgt Ion:152 Resp: 144718
Ion Ratio Lower Upper
152 100
115 62.1 31.3 93.9
150 157.6 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 27.613 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084849.D
Acq: 14 Nov 2024 14:12

Tgt Ion: 75 Resp: 79880
Ion Ratio Lower Upper
75 100
77 1.2 96.9 290.7#

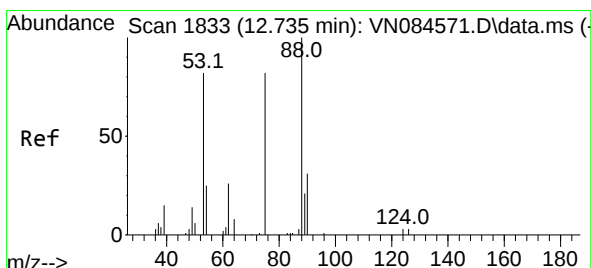
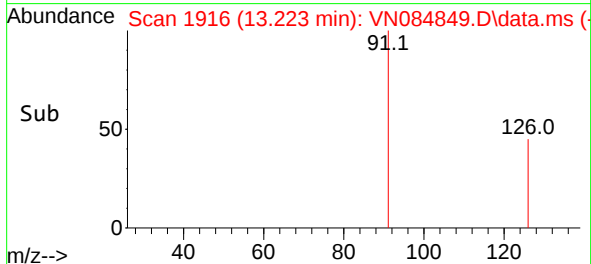
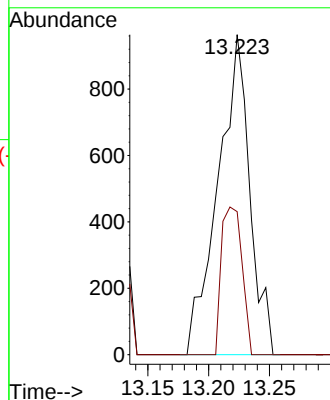
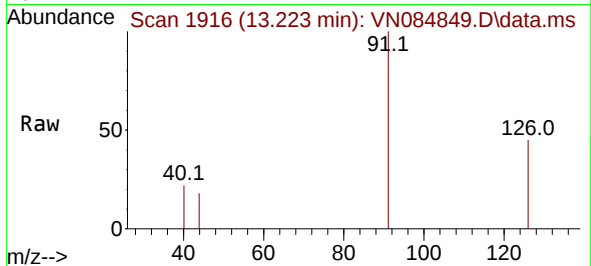




#79
2-Chlorotoluene
Concen: 0.225 ug/l
RT: 13.223 min Scan# 1899
Delta R.T. 0.100 min
Lab File: VN084849.D
Acq: 14 Nov 2024 14:12

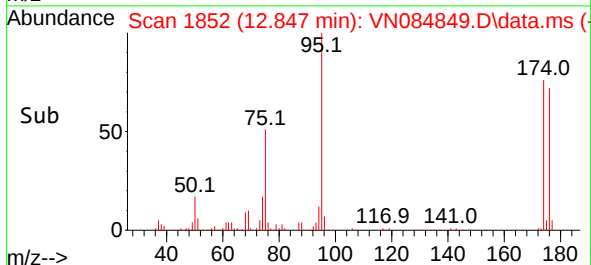
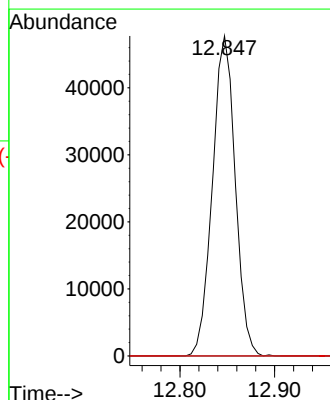
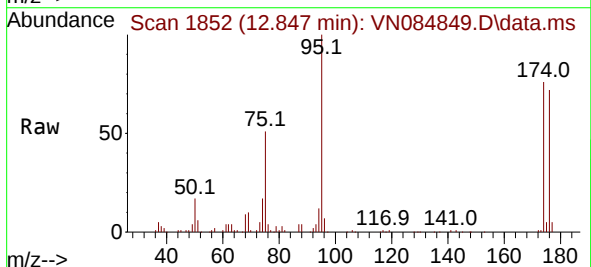
Instrument :
MSVOA_N
ClientSampleId :

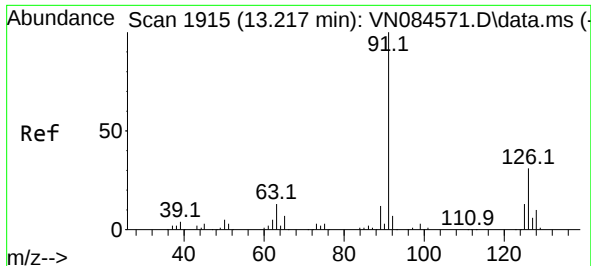
Tgt Ion: 91 Resp: 1746
Ion Ratio Lower Upper
91 100
126 30.0 15.7 47.1



#81
trans-1,4-Dichloro-2-butene
Concen: 65.509 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084849.D
Acq: 14 Nov 2024 14:12

Tgt Ion: 75 Resp: 79880
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

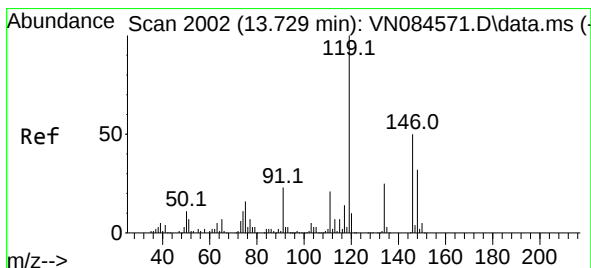
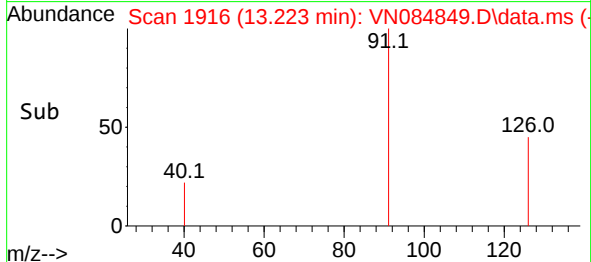
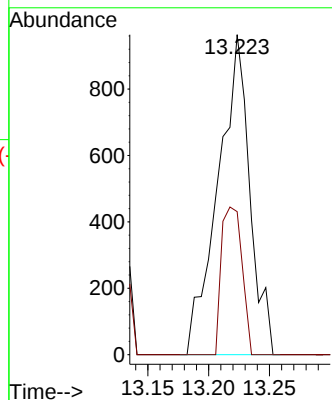
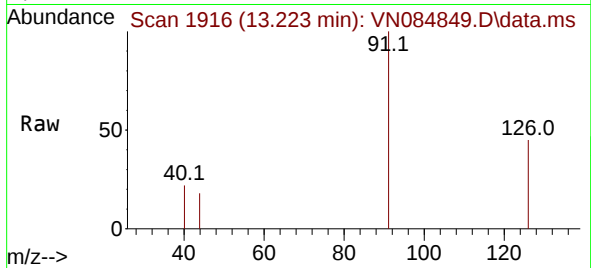




#82
4-Chlorotoluene
Concen: 0.214 ug/l
RT: 13.223 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VN084849.D
Acq: 14 Nov 2024 14:12

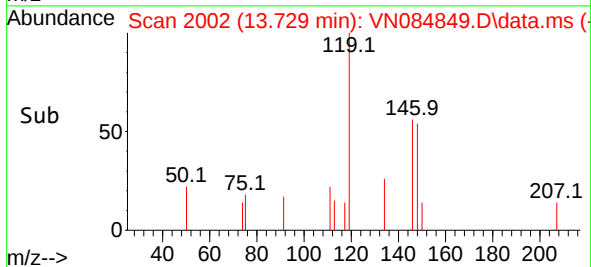
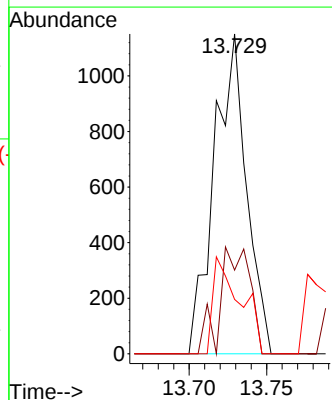
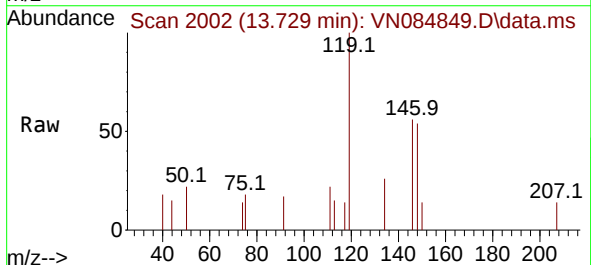
Instrument :
MSVOA_N
ClientSampleId :

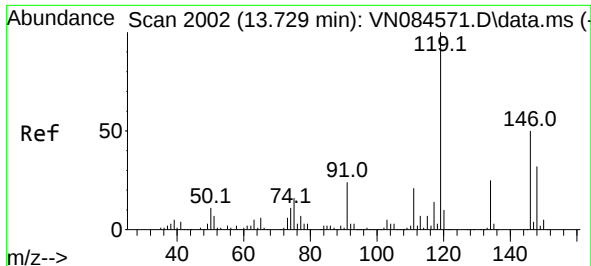
Tgt Ion: 91 Resp: 1746
Ion Ratio Lower Upper
91 100
126 30.0 15.7 47.1



#86
p-Isopropyltoluene
Concen: 0.207 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084849.D
Acq: 14 Nov 2024 14:12

Tgt Ion: 119 Resp: 1670
Ion Ratio Lower Upper
119 100
134 31.1 12.6 37.8
91 25.6 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 0.206 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.006 min

Lab File: VN084849.D

Acq: 14 Nov 2024 14:12

Instrument :

MSVOA_N

ClientSampleId :

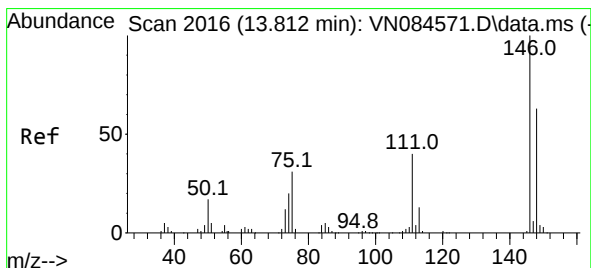
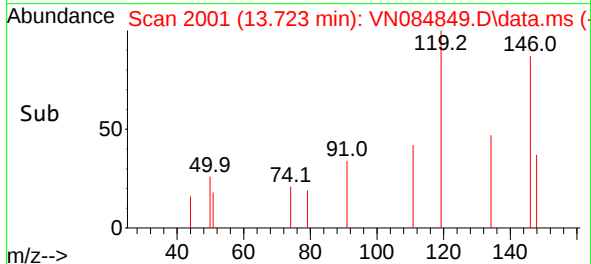
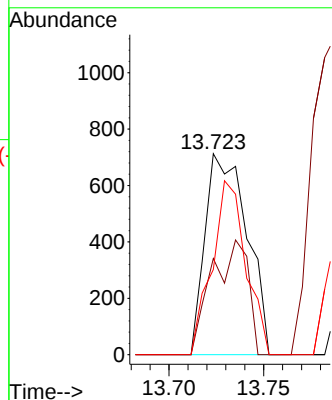
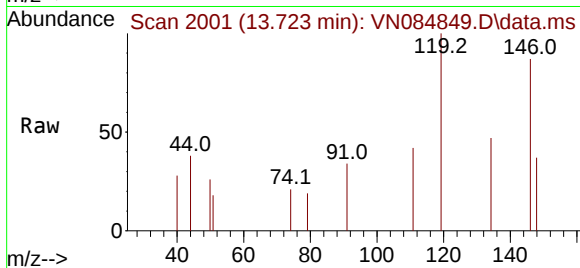
Tgt Ion:146 Resp: 1095

Ion Ratio Lower Upper

146 100

111 49.3 21.8 65.3

148 70.0 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.723 min Scan# 2001

Delta R.T. -0.089 min

Lab File: VN084849.D

Acq: 14 Nov 2024 14:12

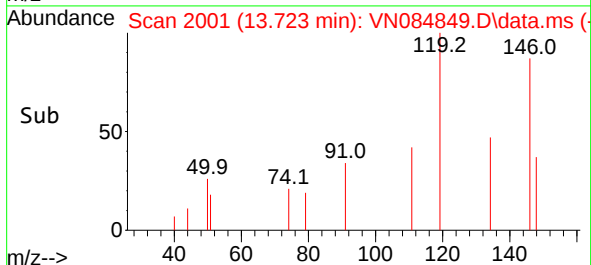
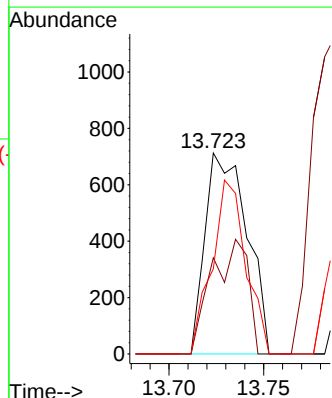
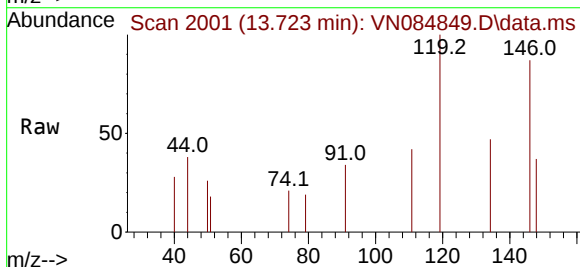
Tgt Ion:146 Resp: 1095

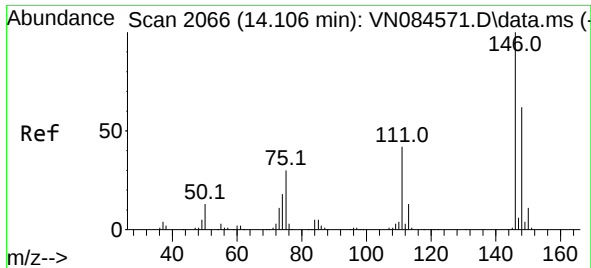
Ion Ratio Lower Upper

146 100

111 49.3 21.2 63.6

148 70.0 31.9 95.9





#91

1,2-Dichlorobenzene

Concen: 0.200 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN084849.D

Acq: 14 Nov 2024 14:12

Instrument :

MSVOA_N

ClientSampleId :

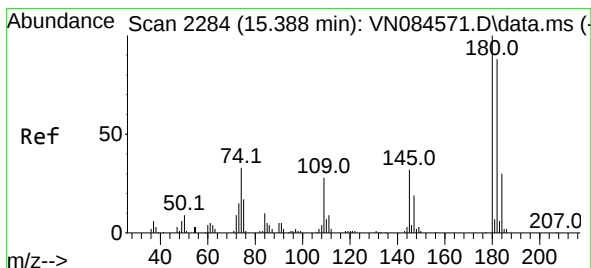
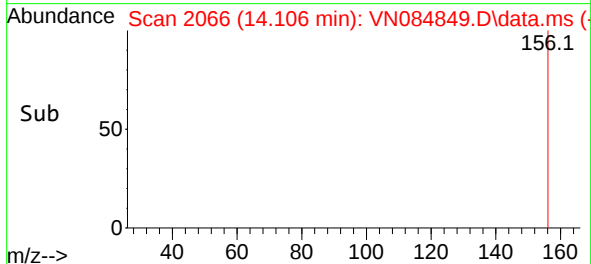
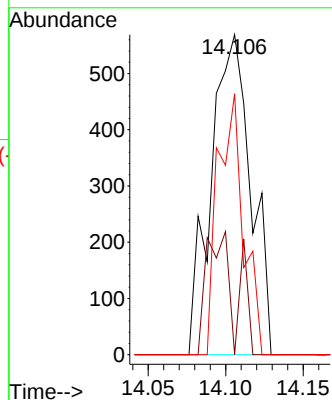
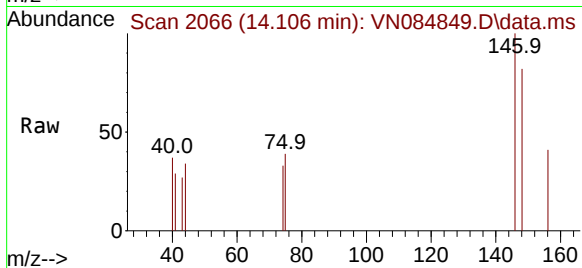
Tgt Ion:146 Resp: 1023

Ion Ratio Lower Upper

146 100

111 27.8 22.0 66.0

148 52.0 32.1 96.3



#93

1,2,4-Trichlorobenzene

Concen: 0.501 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. 0.000 min

Lab File: VN084849.D

Acq: 14 Nov 2024 14:12

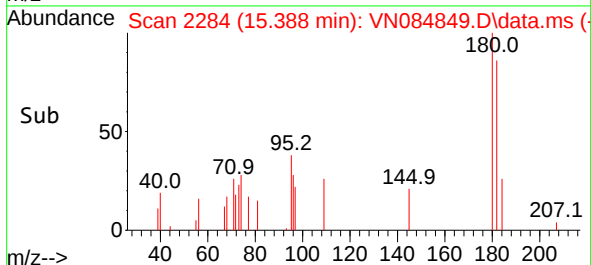
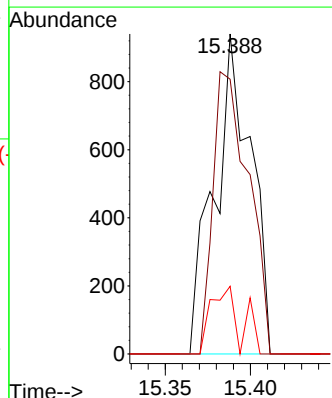
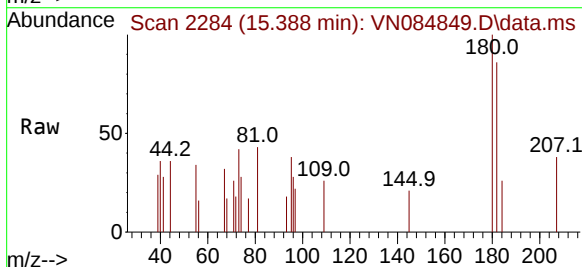
Tgt Ion:180 Resp: 1401

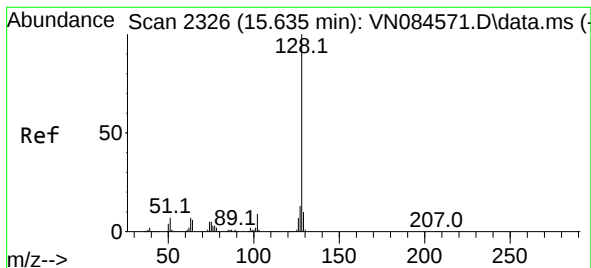
Ion Ratio Lower Upper

180 100

182 85.7 47.0 141.0

145 17.2 16.4 49.4





#95

Naphthalene

Concen: 1.109 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. 0.000 min

Lab File: VN084849.D

Acq: 14 Nov 2024 14:12

Instrument :

MSVOA_N

ClientSampleId :

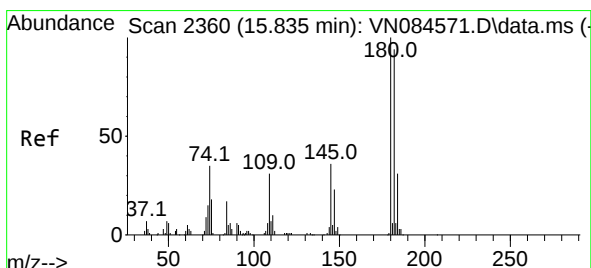
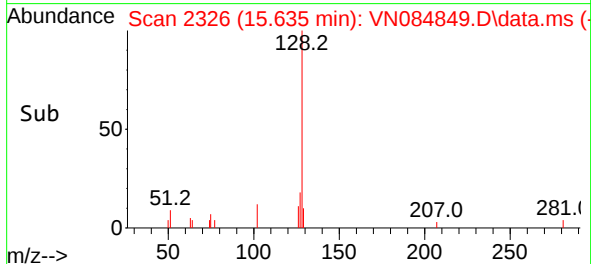
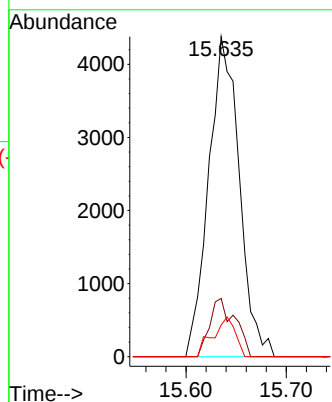
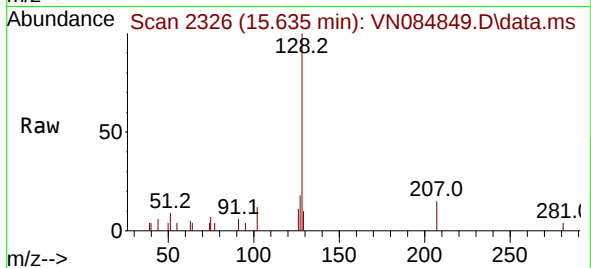
Tgt Ion:128 Resp: 9293

Ion Ratio Lower Upper

128 100

127 15.0 10.5 15.7

129 9.1 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.420 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN084849.D

Acq: 14 Nov 2024 14:12

Tgt Ion:180 Resp: 1142

Ion Ratio Lower Upper

180 100

182 100.4 48.2 144.6

145 36.0 17.3 51.9

