

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110524\
 Data File : VN084688.D
 Acq On : 05 Nov 2024 15:23
 Operator : JC\MD
 Sample : P4702-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 06 00:32:36 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

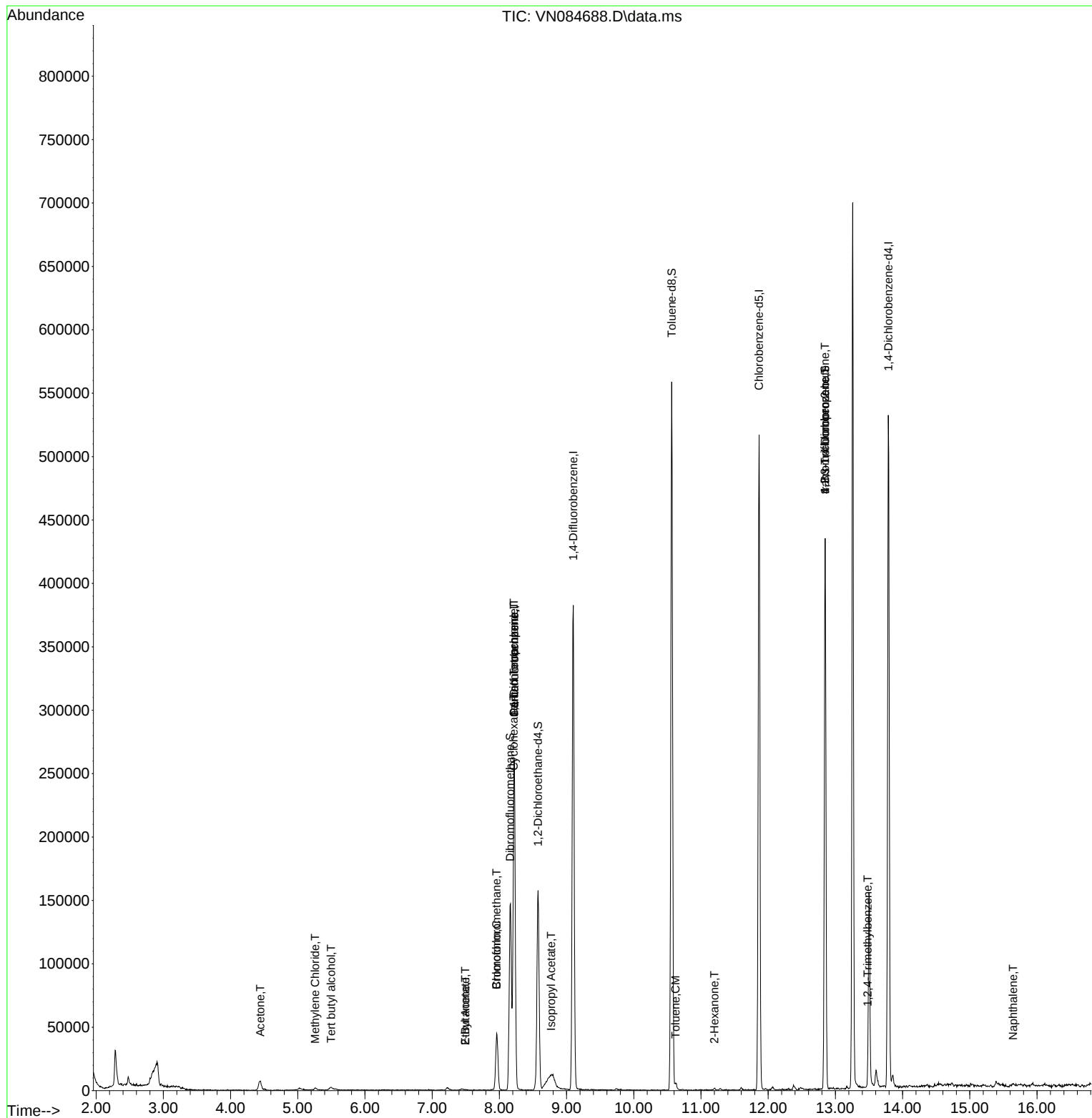
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	190206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	332167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	292724	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	142404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131812	47.980	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.960%
35) Dibromofluoromethane	8.159	113	106829	47.514	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.020%
50) Toluene-d8	10.565	98	384997	46.484	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.960%
62) 4-Bromofluorobenzene	12.847	95	154042	49.766	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.540%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	874	Below Cal		91
6) Chloroethane	3.118	64	474	Below Cal	#	45
11) Tert butyl alcohol	5.495	59	1929	5.320	ug/l #	73
16) Acetone	4.442	43	14410	15.483	ug/l	93
18) Methyl Acetate	5.024	43	3395	Below Cal	#	88
20) Methylene Chloride	5.259	84	1104	0.457	ug/l #	68
25) 2-Butanone	7.494	43	1176	0.918	ug/l #	48
28) Bromochloromethane	7.959	49	3345	2.003	ug/l #	15
30) Chloroform	7.959	83	44024	10.322	ug/l	99
31) Cyclohexane	8.212	56	3852	1.016	ug/l #	9
36) 1,1-Dichloropropene	8.218	75	15720	5.041	ug/l #	50
37) Ethyl Acetate	7.494	43	1176	0.416	ug/l #	69
38) Carbon Tetrachloride	8.218	117	20202	5.796	ug/l #	15
43) Isopropyl Acetate	8.771	43	33700	5.590	ug/l #	56
52) Toluene	10.624	92	2115	0.361	ug/l	96
59) 2-Hexanone	11.200	43	735	0.374	ug/l #	24
76) 1,2,3-Trichloropropane	12.847	75	79624	27.972	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	79624	66.360	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.482	105	2003	0.235	ug/l	91
88) 1,4-Dichlorobenzene	13.806	146	423	Below Cal	#	1
95) Naphthalene	15.647	128	2418	0.293	ug/l #	93

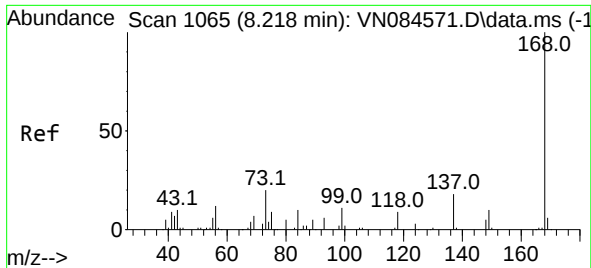
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

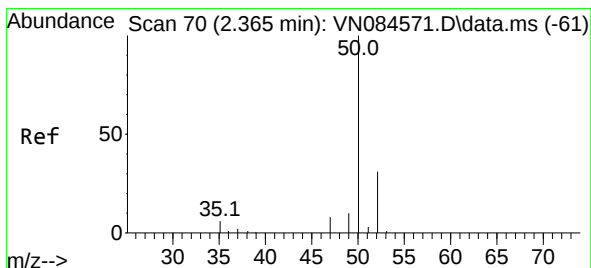
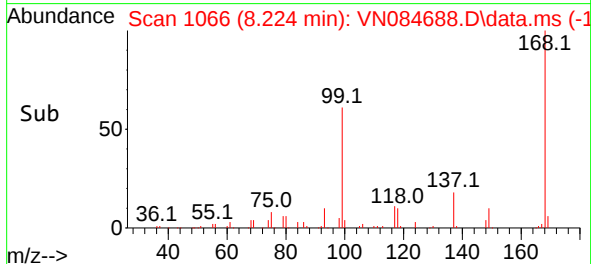
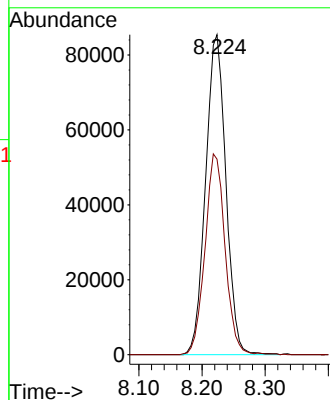
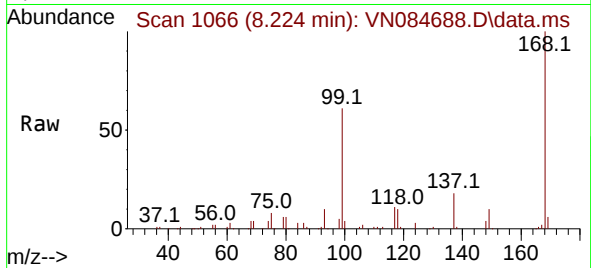




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084688.D
Acq: 05 Nov 2024 15:23

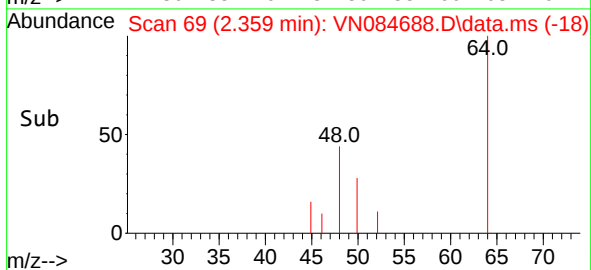
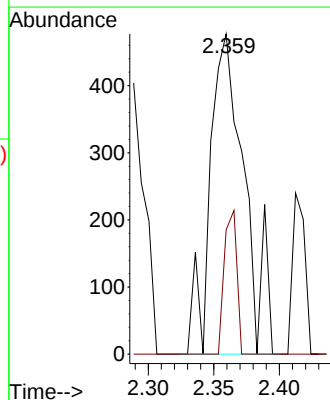
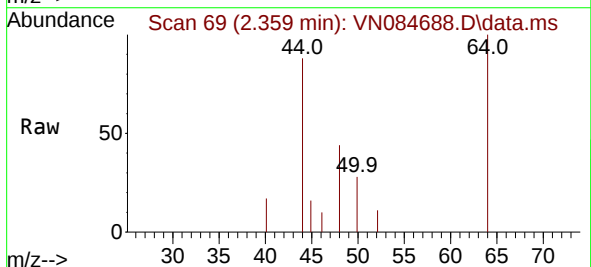
Instrument :
MSVOA_N
ClientSampleId :

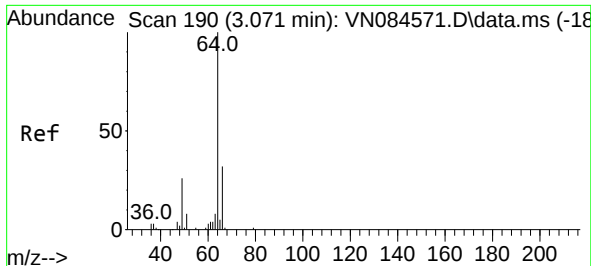
Tgt Ion:168 Resp: 190206
Ion Ratio Lower Upper
168 100
99 61.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084688.D
Acq: 05 Nov 2024 15:23

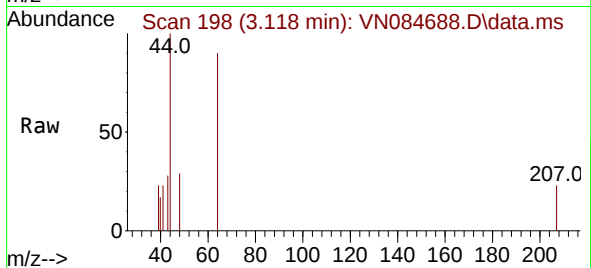
Tgt Ion: 50 Resp: 874
Ion Ratio Lower Upper
50 100
52 38.8 26.8 40.2



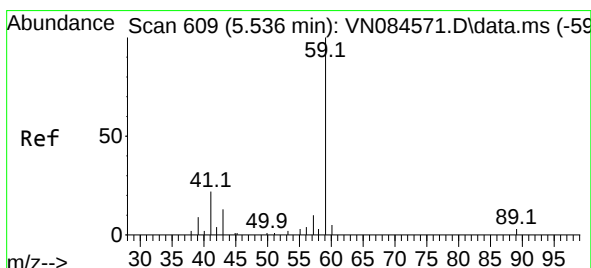
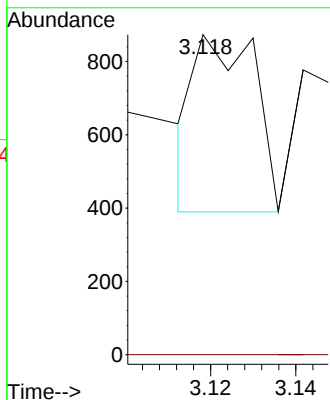
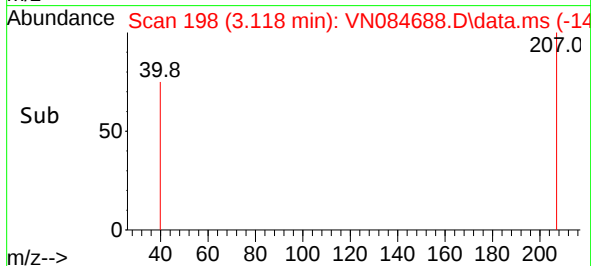


#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 190
Delta R.T. 0.000 min
Lab File: VN084688.D
Acq: 05 Nov 2024 15:23

Instrument :
MSVOA_N
ClientSampleId :

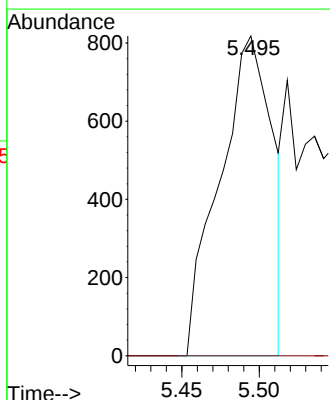
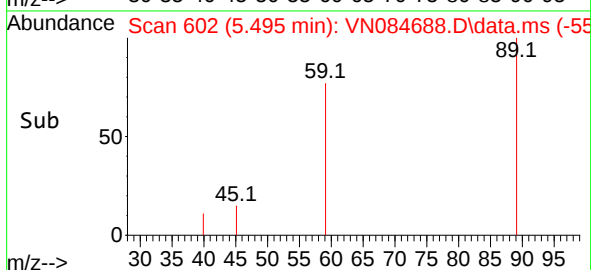
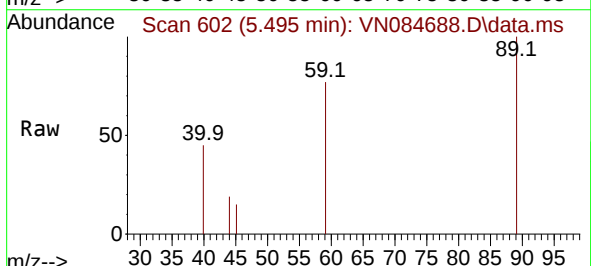


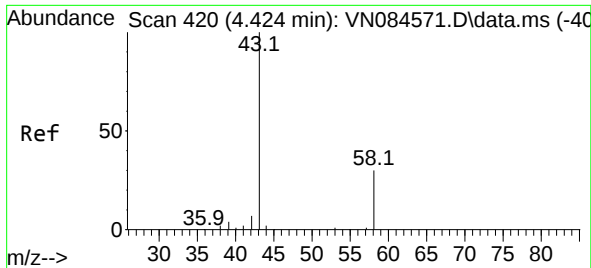
Tgt Ion: 64 Resp: 474
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 5.320 ug/l
RT: 5.495 min Scan# 602
Delta R.T. -0.029 min
Lab File: VN084688.D
Acq: 05 Nov 2024 15:23

Tgt Ion: 59 Resp: 1929
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

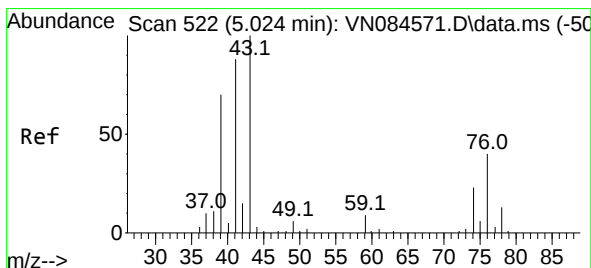
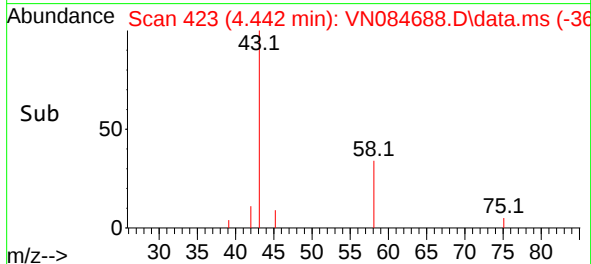
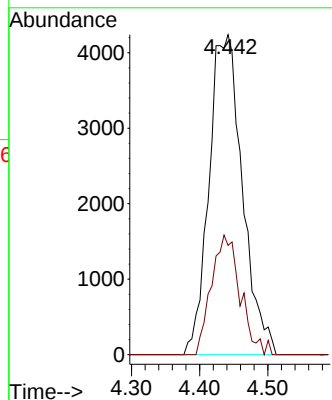
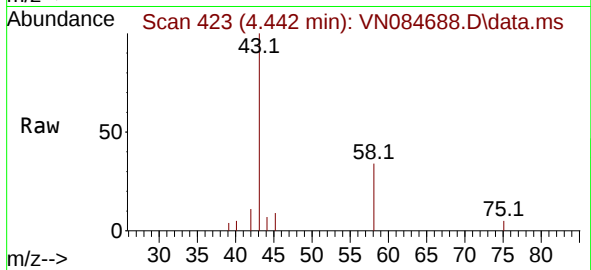




#16
Acetone
Concen: 15.483 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN084688.D
Acq: 05 Nov 2024 15:23

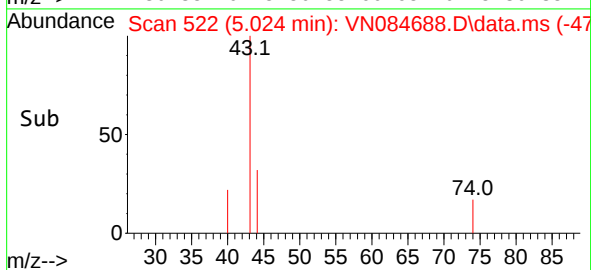
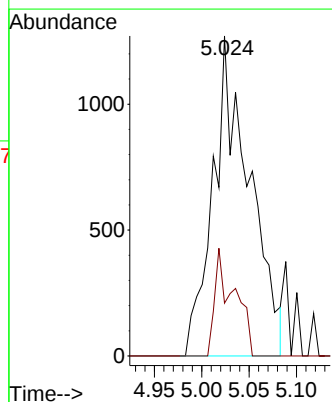
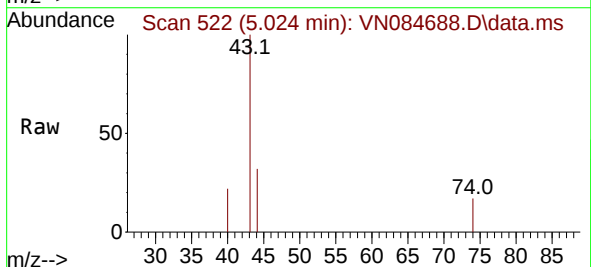
Instrument :
MSVOA_N
ClientSampleId :

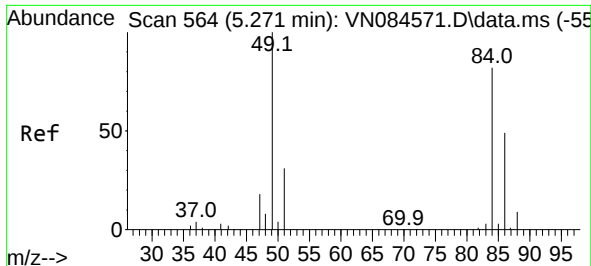
Tgt Ion: 43 Resp: 14410
Ion Ratio Lower Upper
43 100
58 34.2 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084688.D
Acq: 05 Nov 2024 15:23

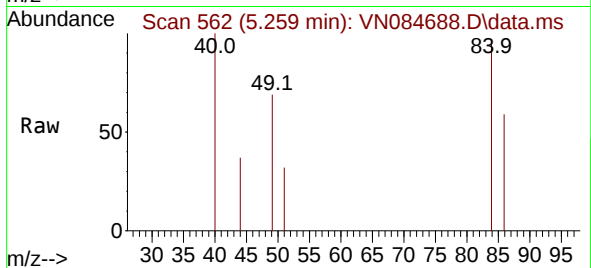
Tgt Ion: 43 Resp: 3395
Ion Ratio Lower Upper
43 100
74 18.1 19.2 28.8#



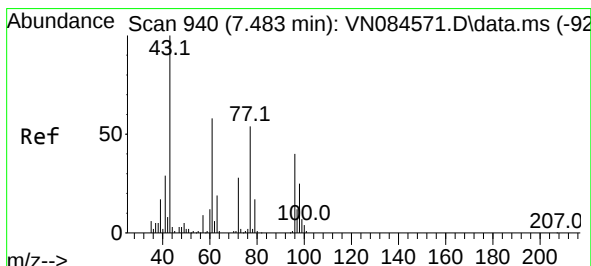
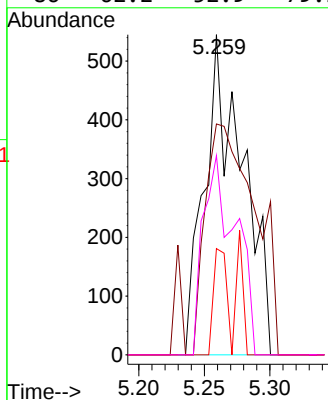
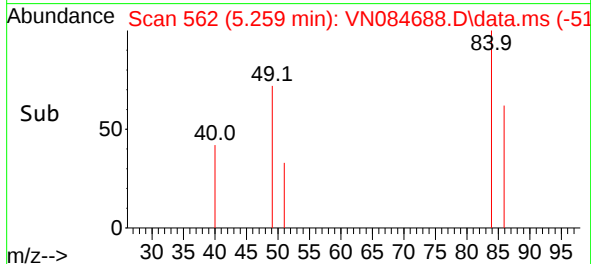


#20
Methylene Chloride
Concen: 0.457 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN084688.D
Acq: 05 Nov 2024 15:23

Instrument :
MSVOA_N
ClientSampleId :

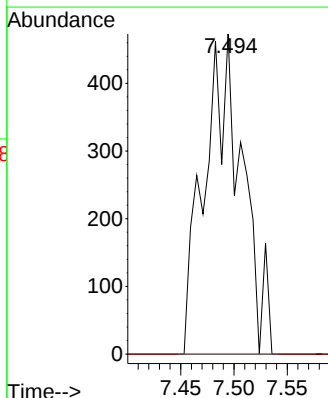
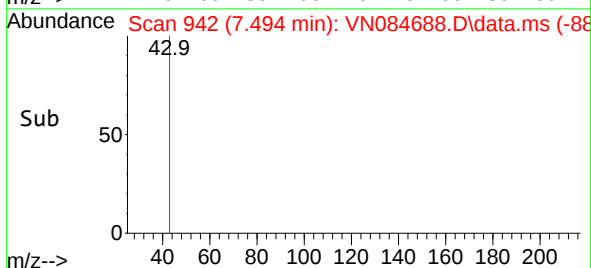
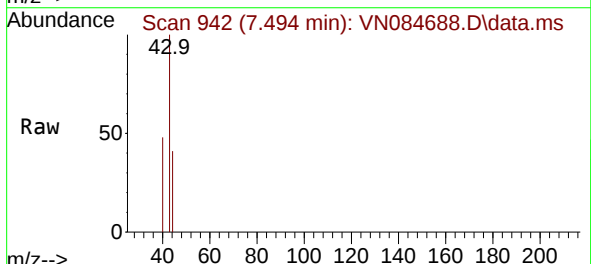


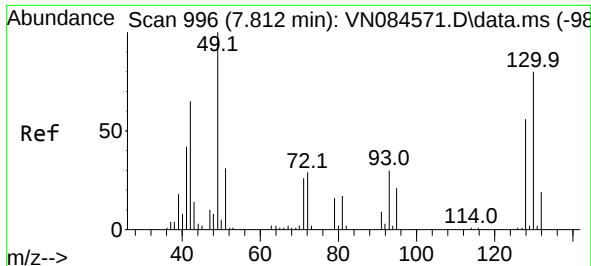
Tgt Ion: 84 Resp: 1104
Ion Ratio Lower Upper
84 100
49 72.1 107.2 160.8#
51 33.2 31.8 47.8
86 62.2 52.9 79.3



#25
2-Butanone
Concen: 0.918 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN084688.D
Acq: 05 Nov 2024 15:23

Tgt Ion: 43 Resp: 1176
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#

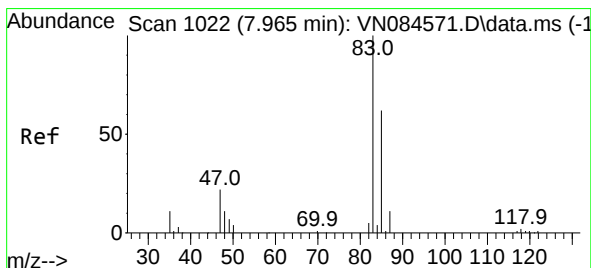
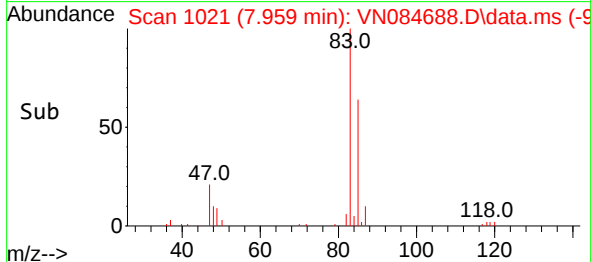
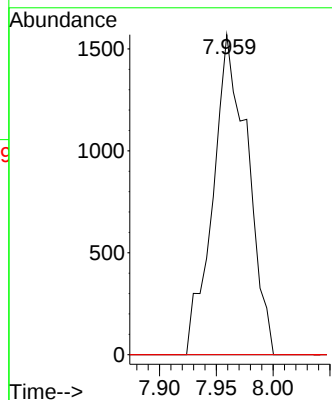
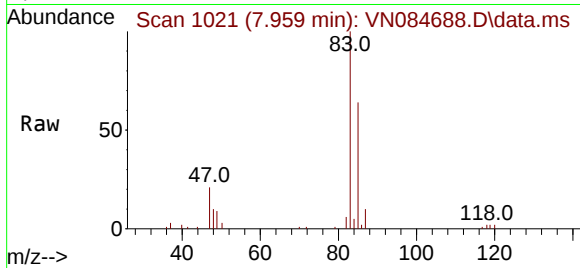




#28
Bromochloromethane
Concen: 2.003 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.147 min
Lab File: VN084688.D
Acq: 05 Nov 2024 15:23

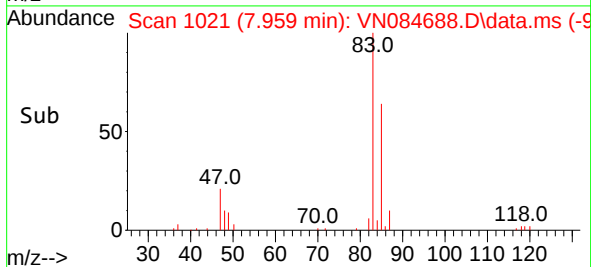
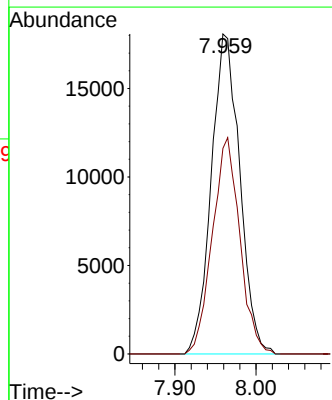
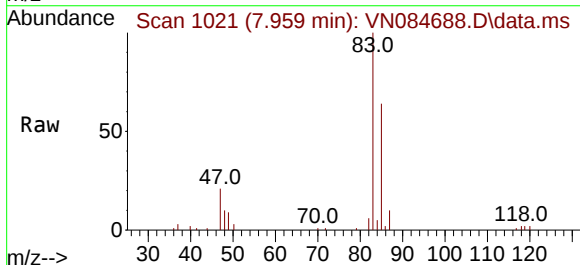
Instrument :
MSVOA_N
ClientSampleId :

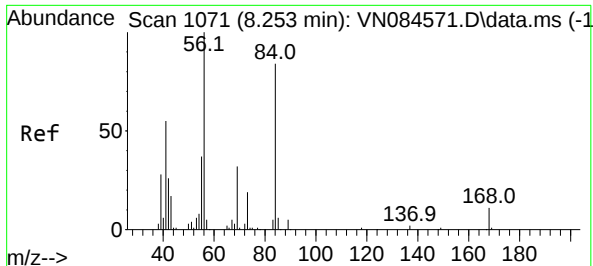
Tgt Ion: 49 Resp: 3345
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 58.0 87.0#



#30
Chloroform
Concen: 10.322 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084688.D
Acq: 05 Nov 2024 15:23

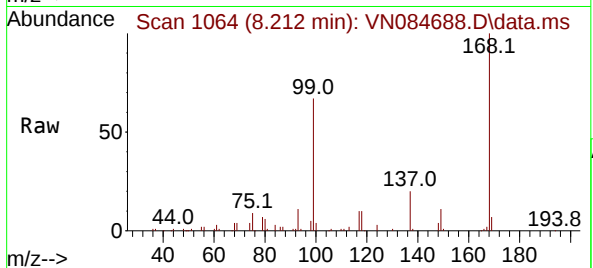
Tgt Ion: 83 Resp: 44024
Ion Ratio Lower Upper
83 100
85 64.3 51.0 76.4



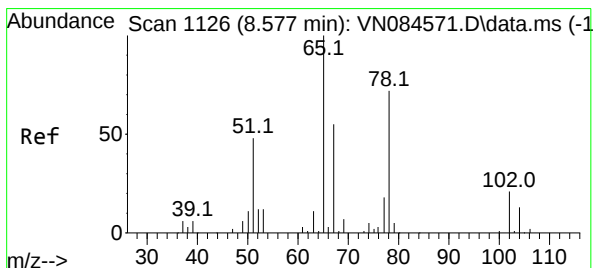
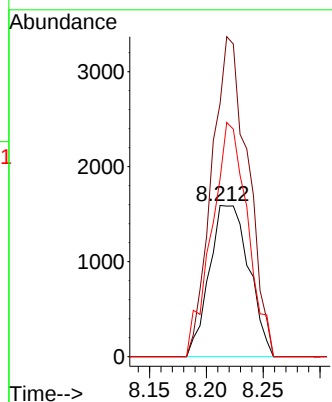
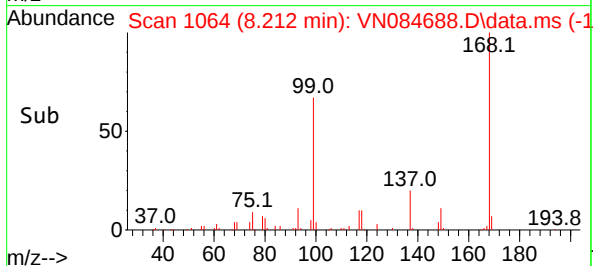


#31
Cyclohexane
Concen: 1.016 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN084688.D
Acq: 05 Nov 2024 15:23

Instrument :
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ClientSampleId :

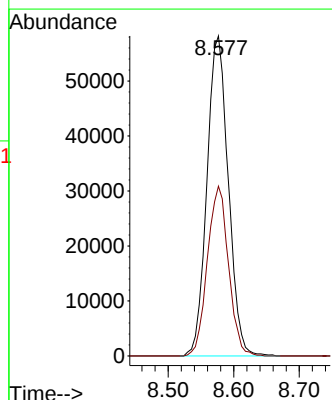
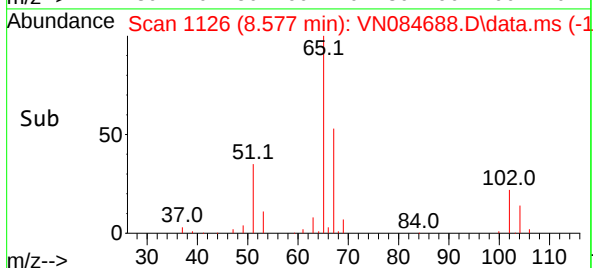
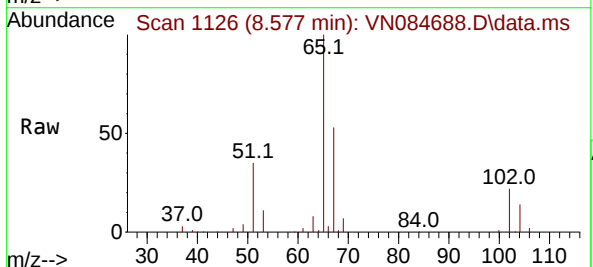


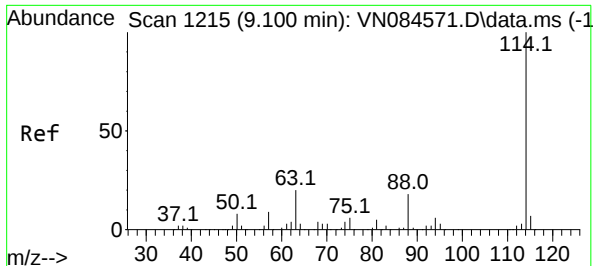
Tgt Ion: 56 Resp: 3852
Ion Ratio Lower Upper
56 100
69 167.1 23.8 35.6#
84 117.4 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 47.980 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084688.D
Acq: 05 Nov 2024 15:23

Tgt Ion: 65 Resp: 131812
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# 11

Delta R.T. 0.000 min

Lab File: VN084688.D

Acq: 05 Nov 2024 15:23

Instrument :

MSVOA_N

ClientSampleId :

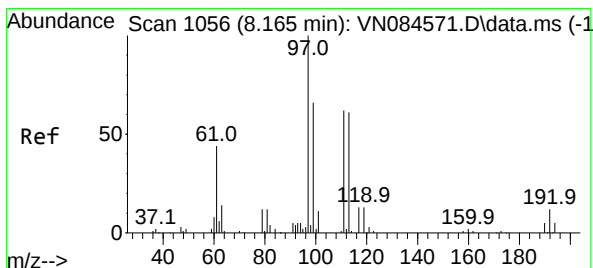
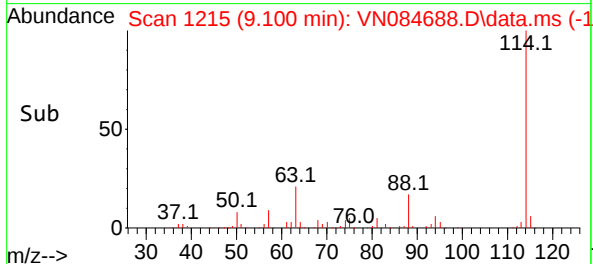
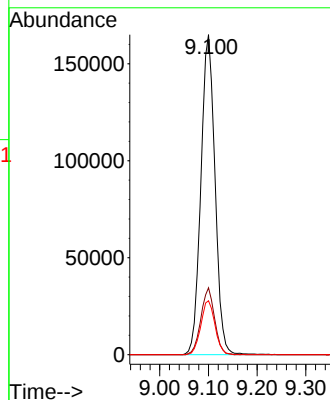
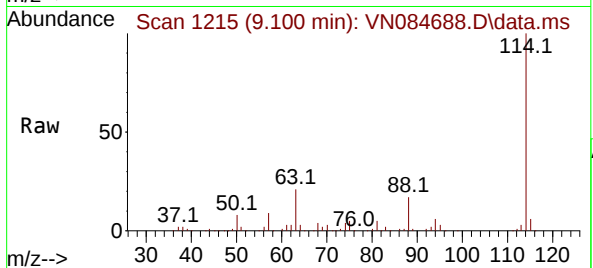
Tgt Ion:114 Resp: 332167

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.8

88 16.9 0.0 31.6



#35

Dibromofluoromethane

Concen: 47.514 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084688.D

Acq: 05 Nov 2024 15:23

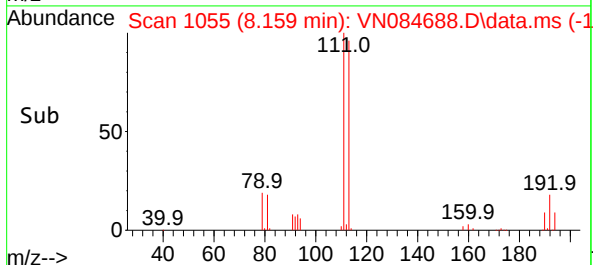
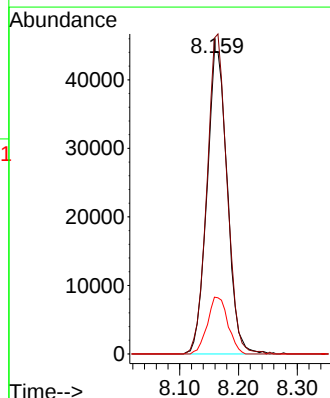
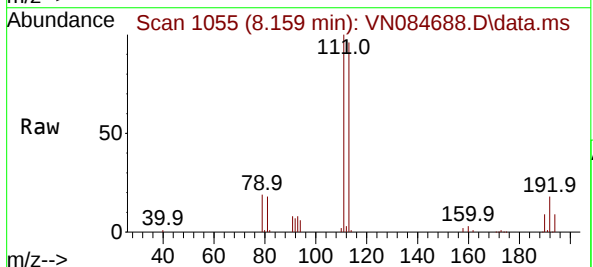
Tgt Ion:113 Resp: 106829

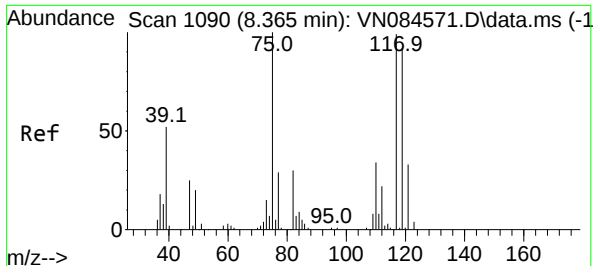
Ion Ratio Lower Upper

113 100

111 103.0 83.3 124.9

192 18.7 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.041 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084688.D

Acq: 05 Nov 2024 15:23

Instrument :

MSVOA_N

ClientSampleId :

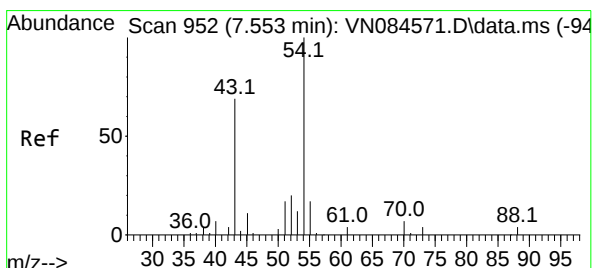
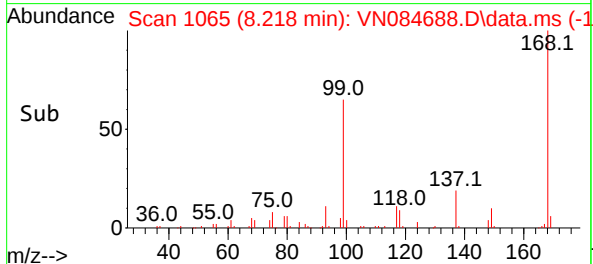
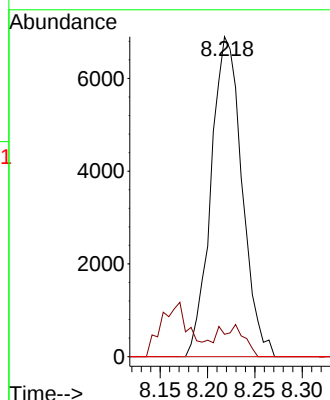
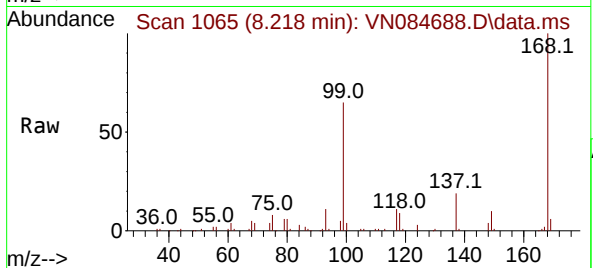
Tgt Ion: 75 Resp: 15720

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 0.416 ug/l

RT: 7.494 min Scan# 942

Delta R.T. -0.065 min

Lab File: VN084688.D

Acq: 05 Nov 2024 15:23

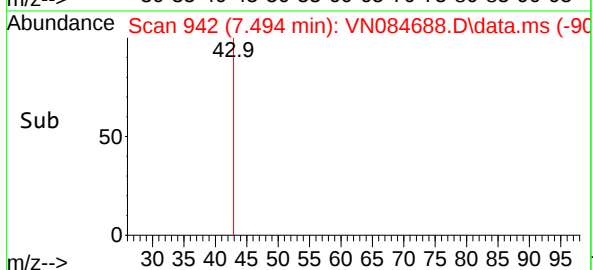
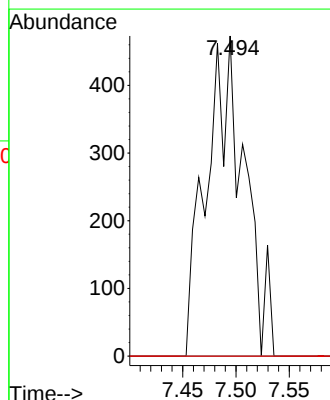
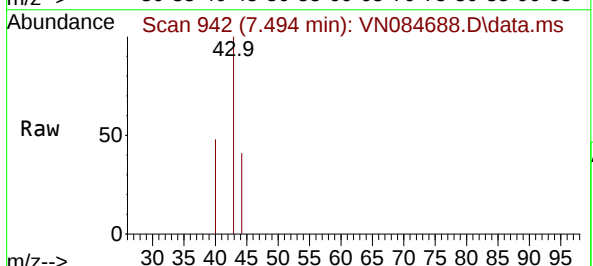
Tgt Ion: 43 Resp: 1176

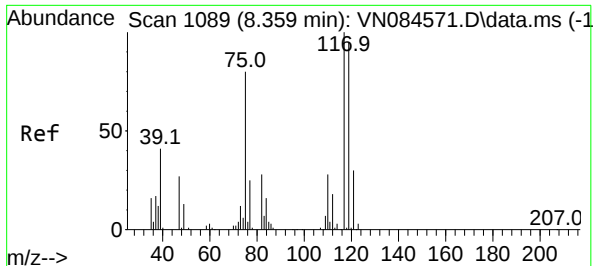
Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

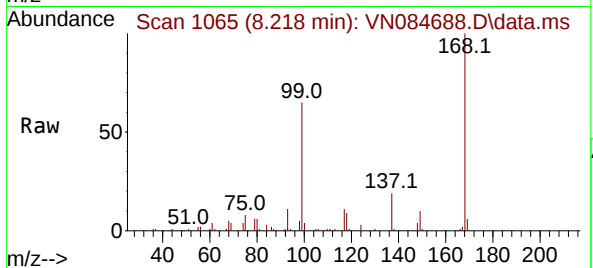
70 0.0 8.8 13.2#



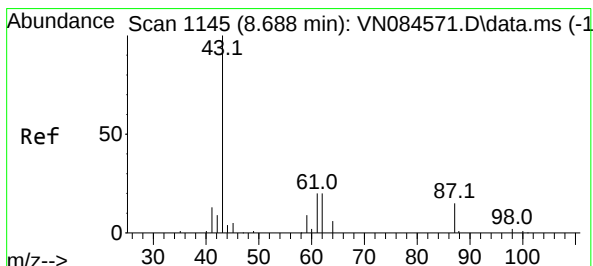
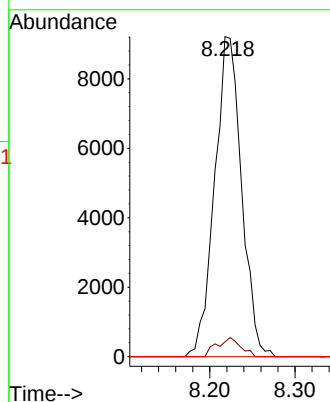
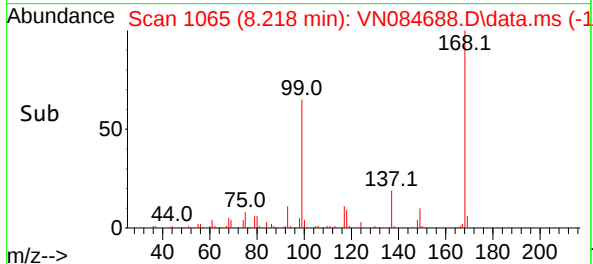


#38
Carbon Tetrachloride
Concen: 5.796 ug/l
RT: 8.218 min Scan# 1159
Delta R.T. -0.141 min
Lab File: VN084688.D
Acq: 05 Nov 2024 15:23

Instrument :
MSVOA_N
ClientSampleId :

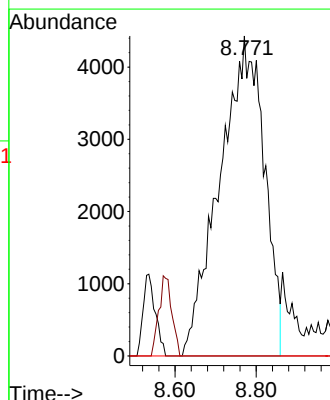
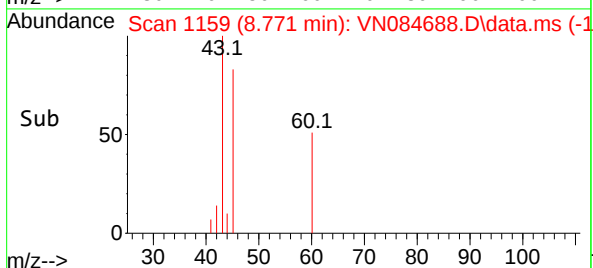
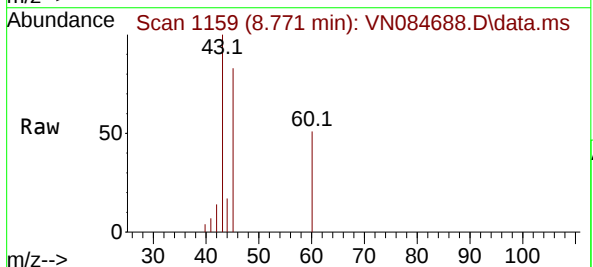


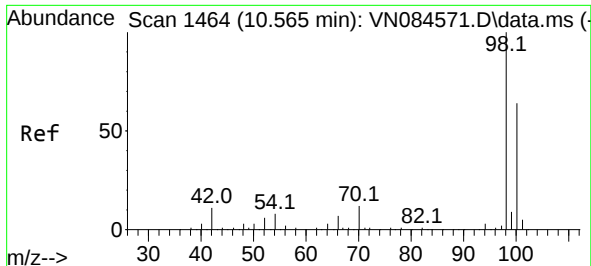
Tgt Ion:117 Resp: 20202
Ion Ratio Lower Upper
117 100
119 4.7 78.7 118.1#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 5.590 ug/l
RT: 8.771 min Scan# 1159
Delta R.T. 0.083 min
Lab File: VN084688.D
Acq: 05 Nov 2024 15:23

Tgt Ion: 43 Resp: 33700
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.3 15.5#

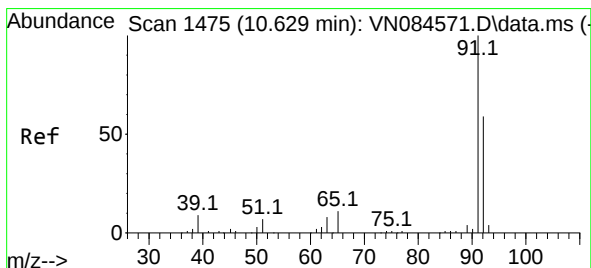
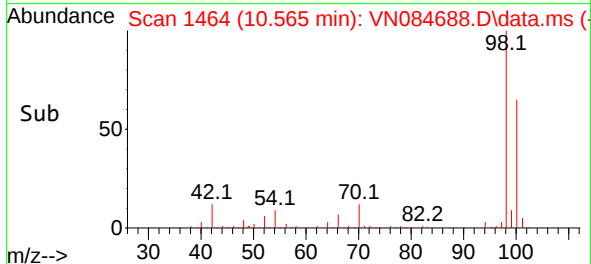
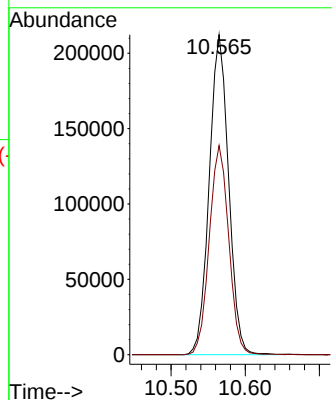
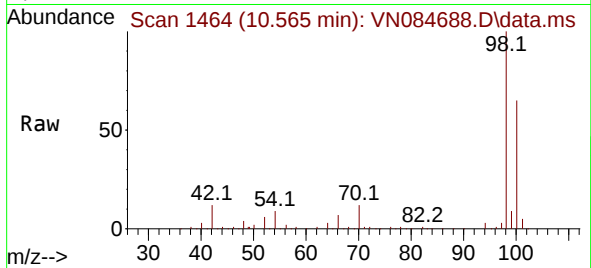




#50
Toluene-d8
Concen: 46.484 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084688.D
Acq: 05 Nov 2024 15:23

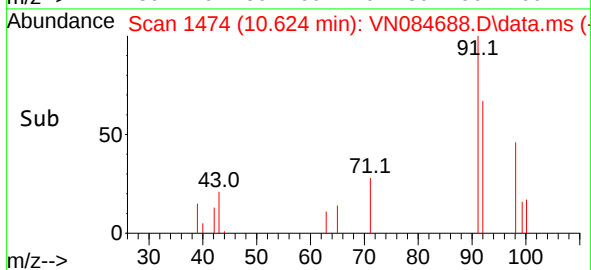
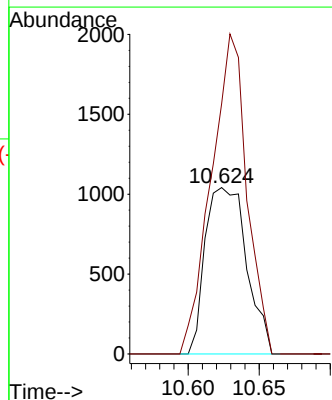
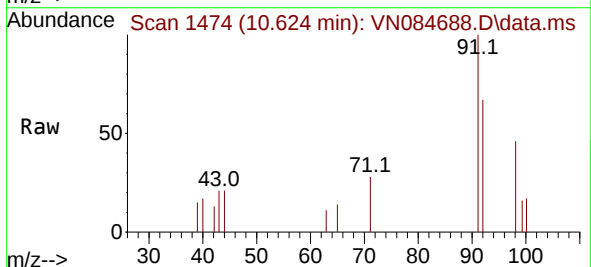
Instrument :
MSVOA_N
ClientSampleId :

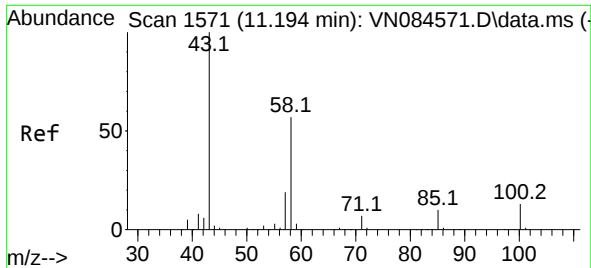
Tgt Ion: 98 Resp: 384997
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1



#52
Toluene
Concen: 0.361 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN084688.D
Acq: 05 Nov 2024 15:23

Tgt Ion: 92 Resp: 2115
Ion Ratio Lower Upper
92 100
91 165.5 137.3 205.9

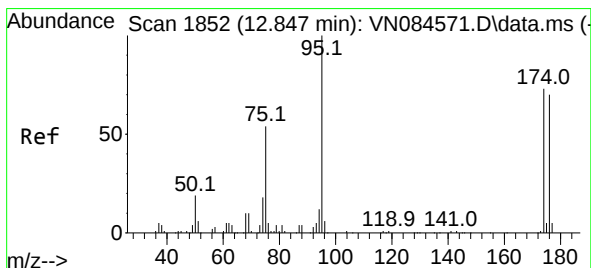
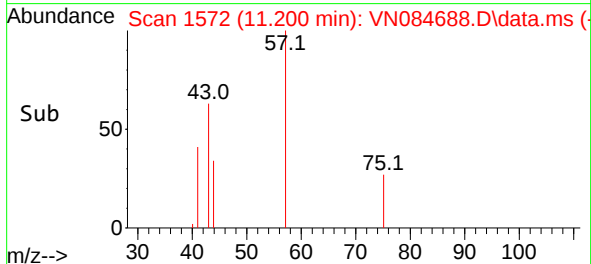
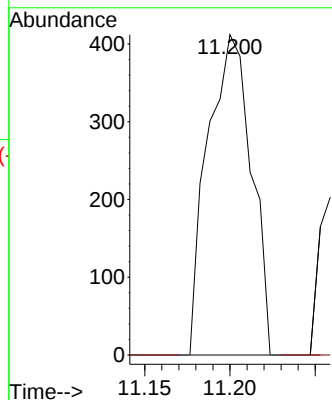
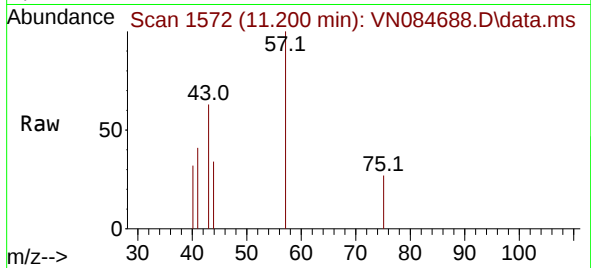




#59
2-Hexanone
Concen: 0.374 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084688.D
Acq: 05 Nov 2024 15:23

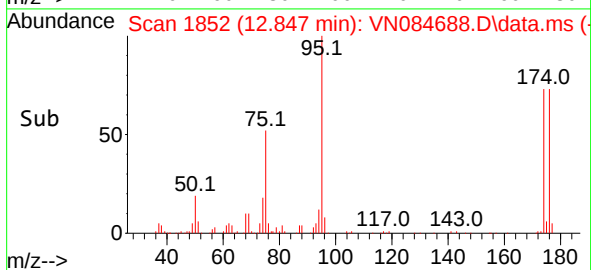
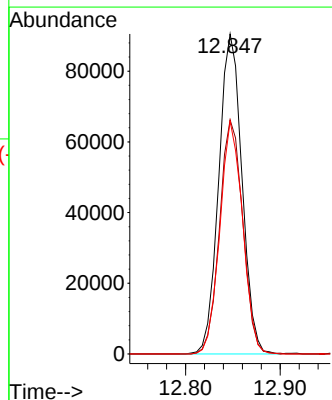
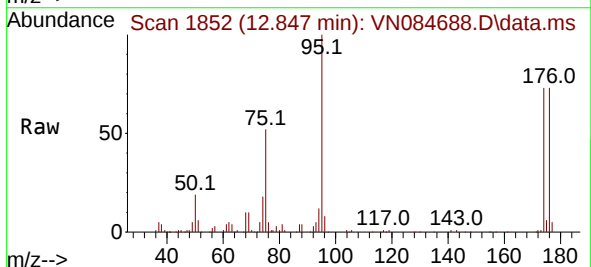
Instrument :
MSVOA_N
ClientSampleId :

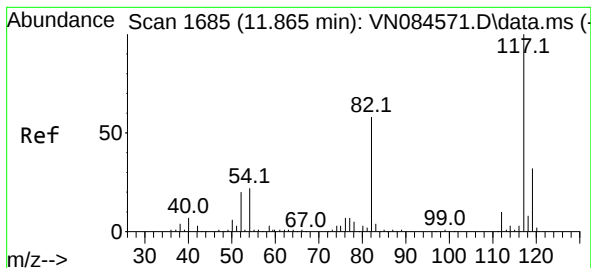
Tgt Ion: 43 Resp: 735
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 49.766 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084688.D
Acq: 05 Nov 2024 15:23

Tgt Ion: 95 Resp: 154042
Ion Ratio Lower Upper
95 100
174 73.3 0.0 145.2
176 71.3 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084688.D

Acq: 05 Nov 2024 15:23

Instrument :

MSVOA_N

ClientSampleId :

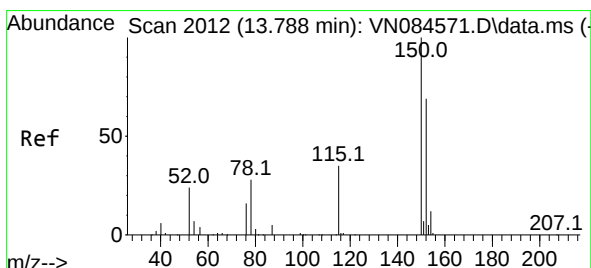
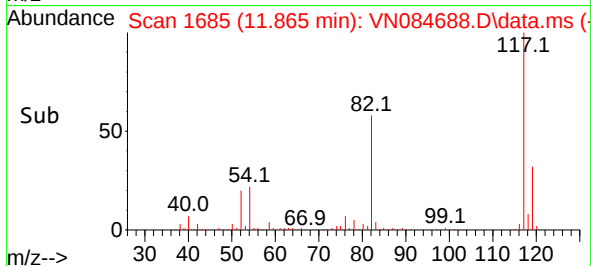
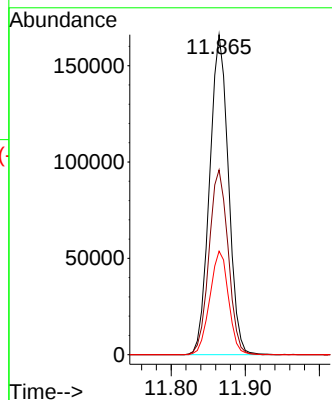
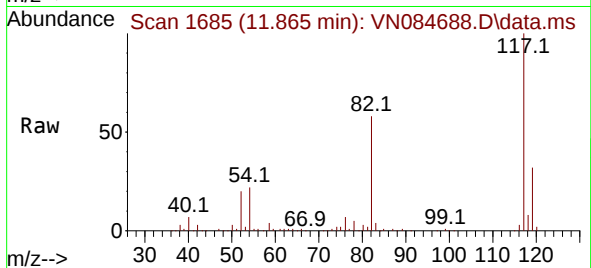
Tgt Ion:117 Resp: 292724

Ion Ratio Lower Upper

117 100

82 57.7 47.2 70.8

119 32.4 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN084688.D

Acq: 05 Nov 2024 15:23

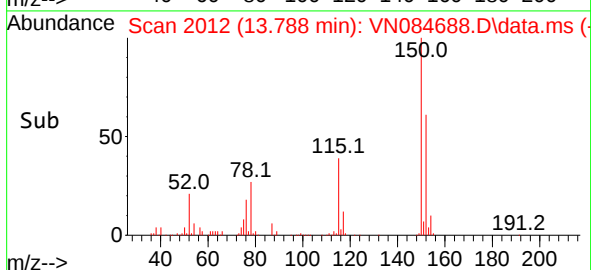
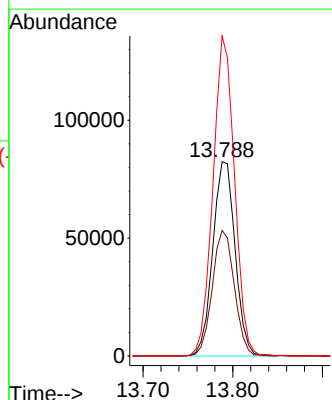
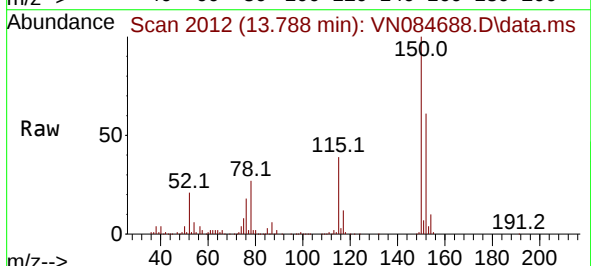
Tgt Ion:152 Resp: 142404

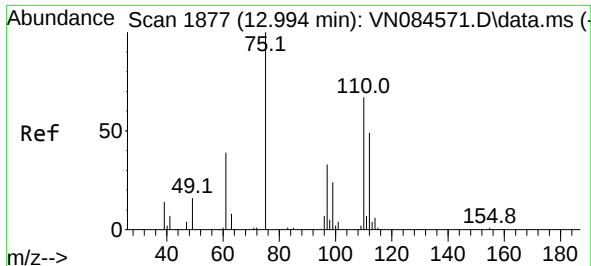
Ion Ratio Lower Upper

152 100

115 63.7 31.3 93.9

150 159.3 0.0 349.8

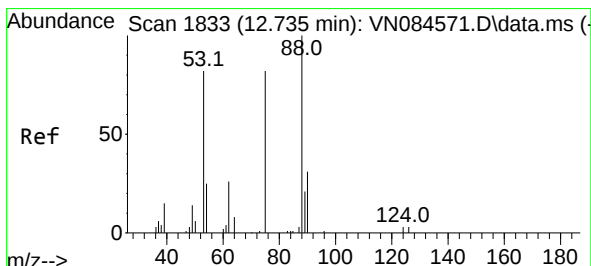
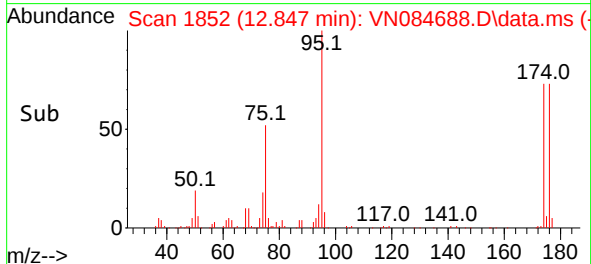
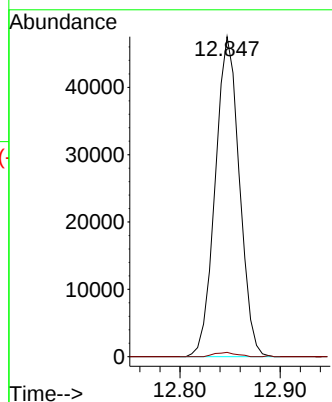
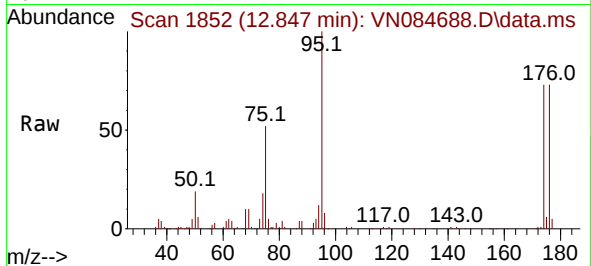




#76
1,2,3-Trichloropropane
Concen: 27.972 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084688.D
Acq: 05 Nov 2024 15:23

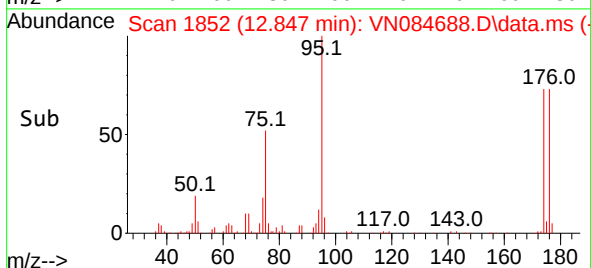
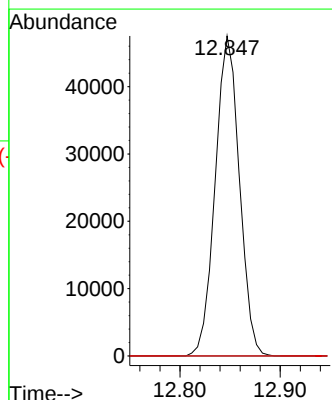
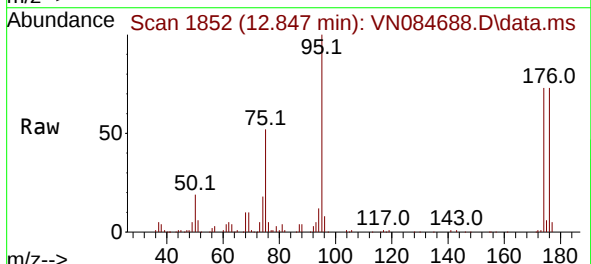
Instrument :
MSVOA_N
ClientSampleId :

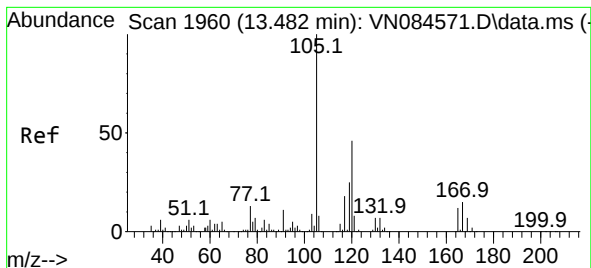
Tgt Ion: 75 Resp: 79624
Ion Ratio Lower Upper
75 100
77 1.2 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.360 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084688.D
Acq: 05 Nov 2024 15:23

Tgt Ion: 75 Resp: 79624
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.235 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN084688.D

Acq: 05 Nov 2024 15:23

Instrument :

MSVOA_N

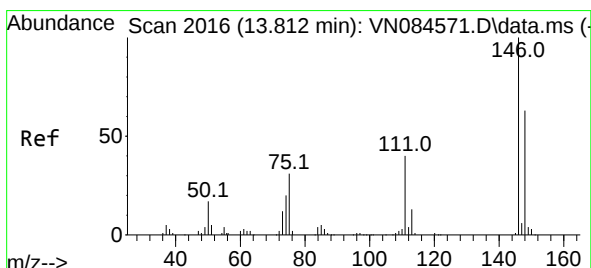
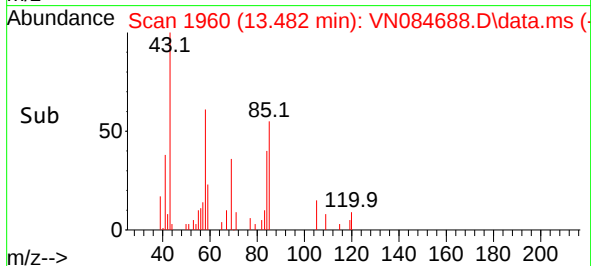
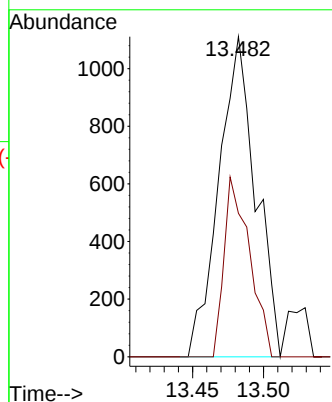
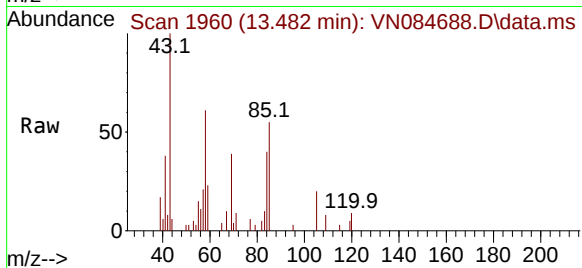
ClientSampleId :

Tgt Ion:105 Resp: 2003

Ion Ratio Lower Upper

105 100

120 38.7 22.3 66.8



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.806 min Scan# 2015

Delta R.T. -0.006 min

Lab File: VN084688.D

Acq: 05 Nov 2024 15:23

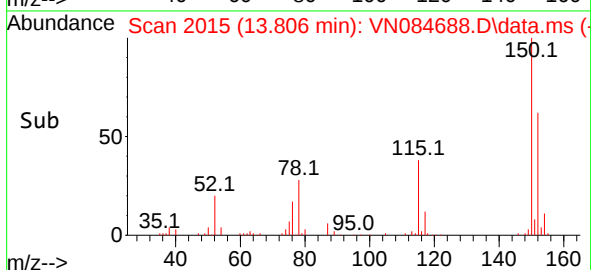
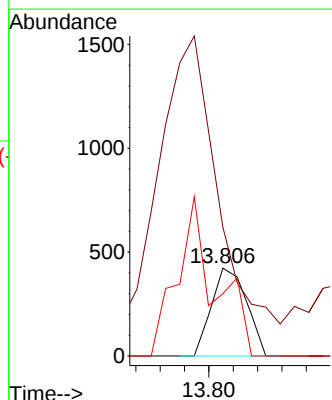
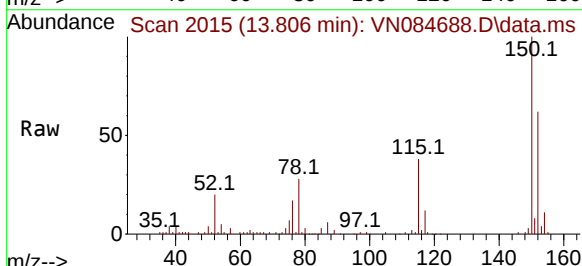
Tgt Ion:146 Resp: 423

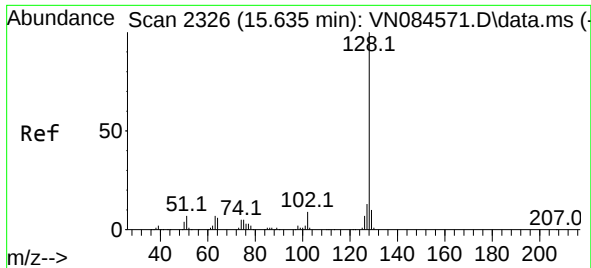
Ion Ratio Lower Upper

146 100

111 665.0 21.2 63.6#

148 196.7 31.9 95.9#





#95

Naphthalene

Concen: 0.293 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.012 min

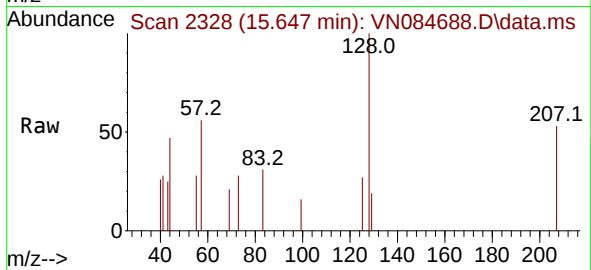
Lab File: VN084688.D

Acq: 05 Nov 2024 15:23

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 2418

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 5.3 8.7 13.1#

