

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
 Data File : VN084946.D
 Acq On : 19 Nov 2024 14:53
 Operator : JC\MD
 Sample : P4845-09RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 20 00:29:48 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)

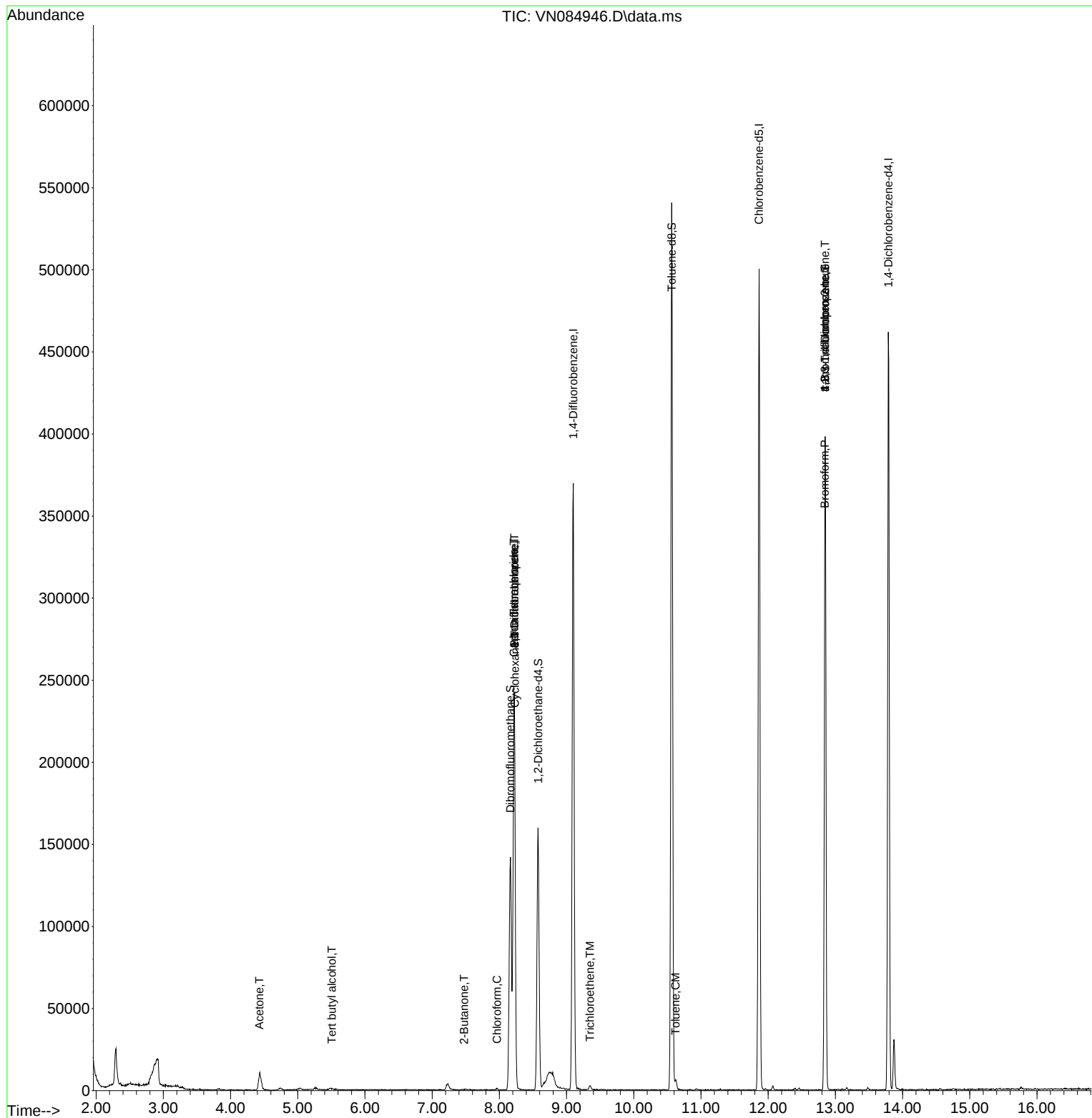
Internal Standards						
1) Pentafluorobenzene	8.224	168	171112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	316282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277762	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	129142	52.254	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.500%
35) Dibromofluoromethane	8.165	113	102829	48.032	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.060%
50) Toluene-d8	10.565	98	363322	46.071	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.140%
62) 4-Bromofluorobenzene	12.847	95	140700	47.738	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.480%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	749	Below Cal		95
6) Chloroethane	3.118	64	101	Below Cal	#	45
11) Tert butyl alcohol	5.506	59	386	1.183	ug/l #	73
16) Acetone	4.430	43	16260	20.154	ug/l	98
18) Methyl Acetate	5.012	43	766	Below Cal	#	51
25) 2-Butanone	7.477	43	304	0.264	ug/l #	48
30) Chloroform	7.965	83	823	0.214	ug/l #	48
31) Cyclohexane	8.229	56	4197	1.230	ug/l #	34
36) 1,1-Dichloropropene	8.224	75	14587	4.913	ug/l #	51
38) Carbon Tetrachloride	8.218	117	18707	5.637	ug/l #	15
43) Isopropyl Acetate	8.665	43	2548	Below Cal	#	56
44) Trichloroethene	9.347	130	1093	0.497	ug/l	74
52) Toluene	10.623	92	2016	0.362	ug/l	89
71) Bromoform	12.841	173	935	0.575	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	73213	29.608	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73213	70.242	ug/l #	11
88) 1,4-Dichlorobenzene	13.794	146	383	Below Cal	#	1

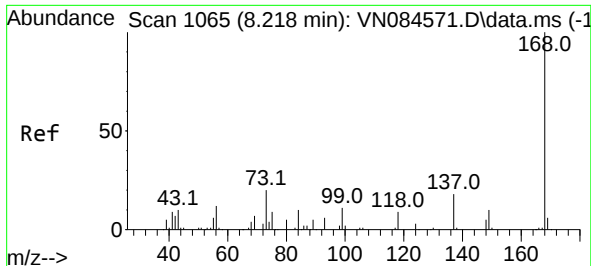
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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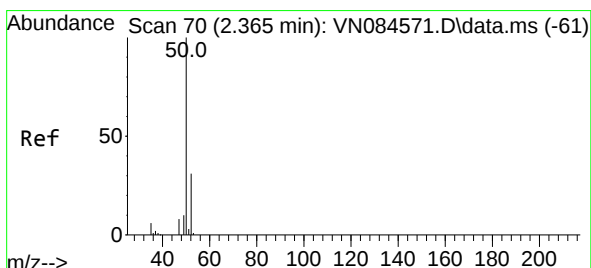
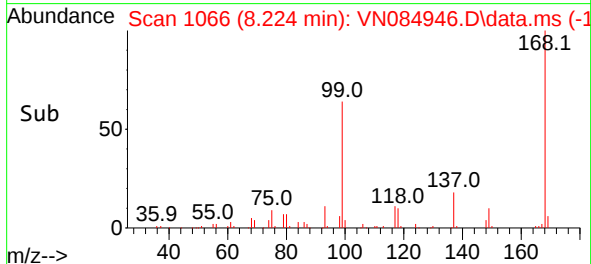
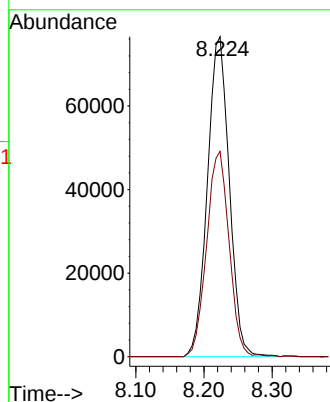
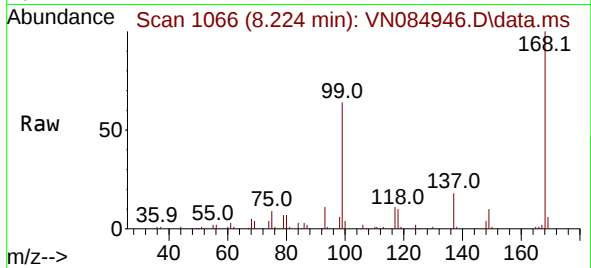




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

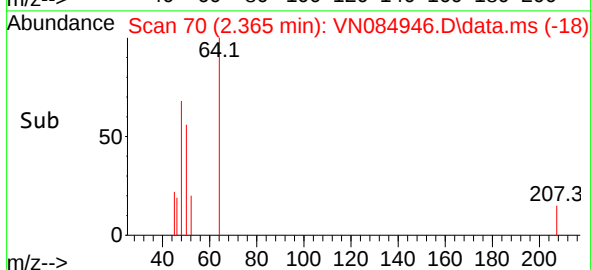
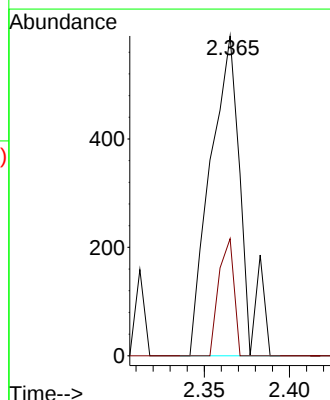
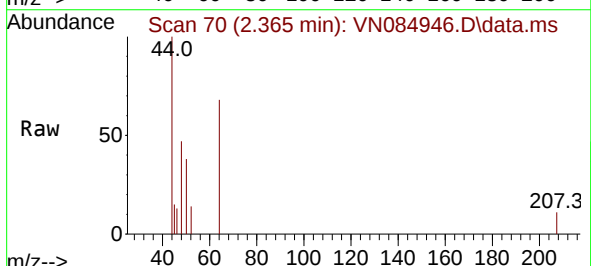
Instrument :
MSVOA_N
ClientSampleId :

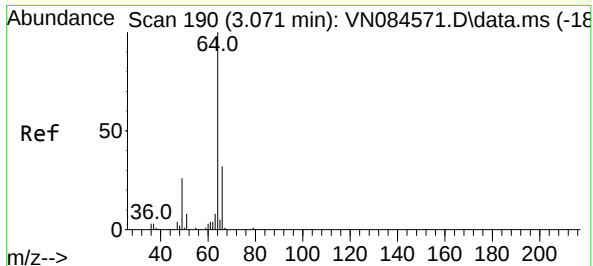
Tgt Ion:168 Resp: 171112
Ion Ratio Lower Upper
168 100
99 64.2 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

Tgt Ion: 50 Resp: 749
Ion Ratio Lower Upper
50 100
52 36.6 26.8 40.2

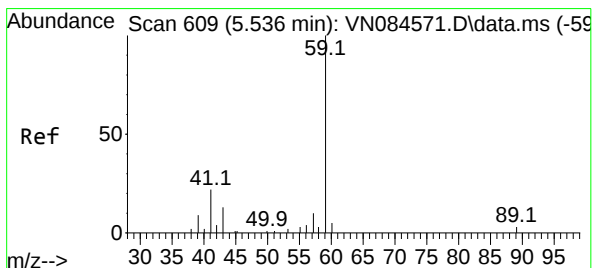
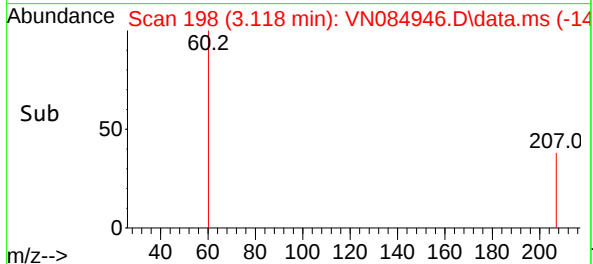
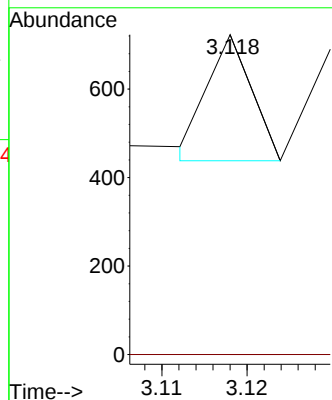
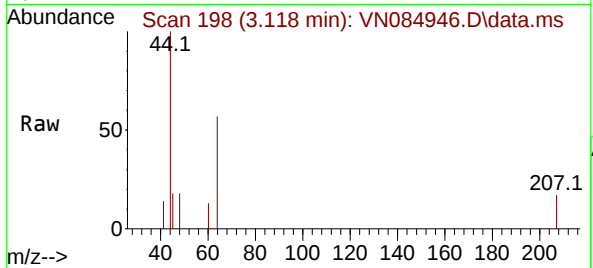




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 190
Delta R.T. 0.000 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

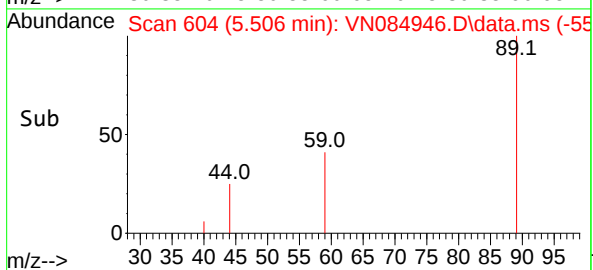
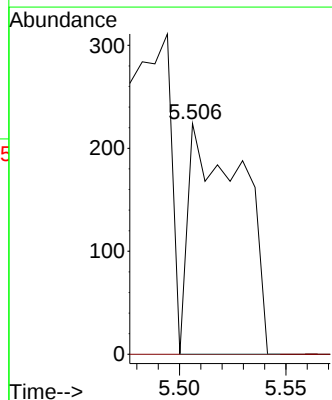
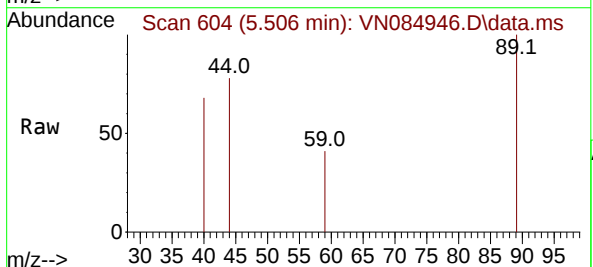
Instrument :
MSVOA_N
ClientSampleId :

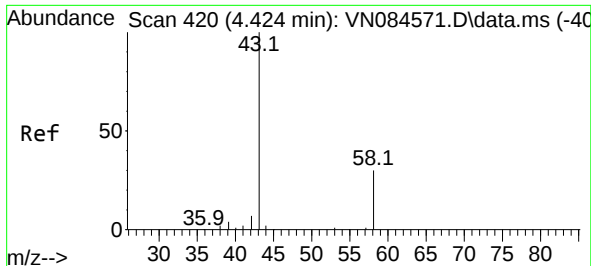
Tgt Ion: 64 Resp: 101
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 1.183 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

Tgt Ion: 59 Resp: 386
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

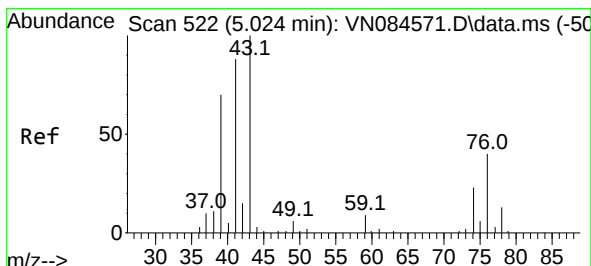
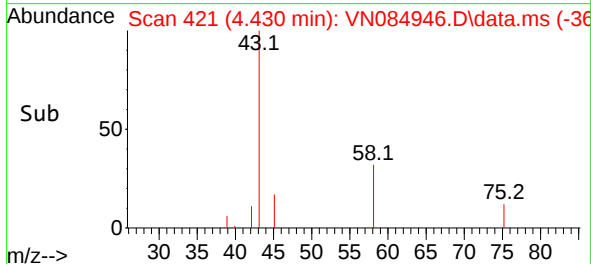
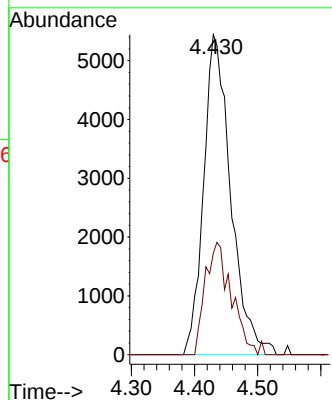
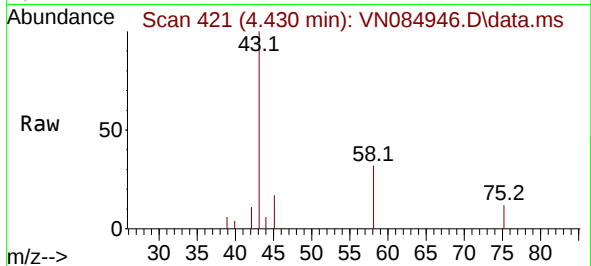




#16
Acetone
Concen: 20.154 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

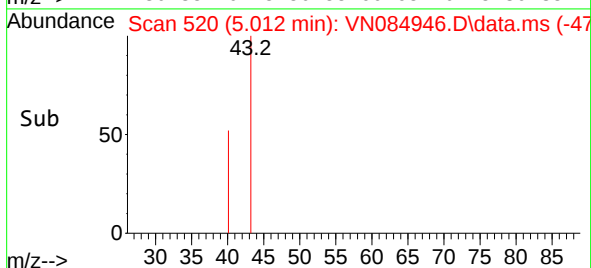
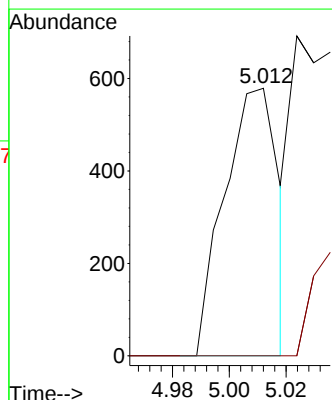
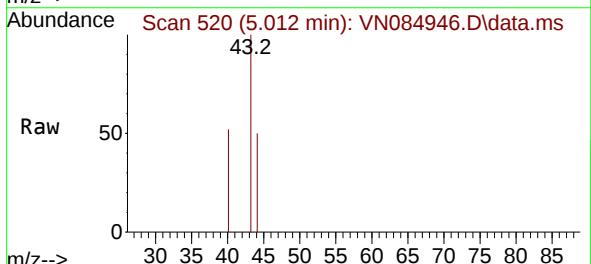
Instrument :
MSVOA_N
ClientSampleId :

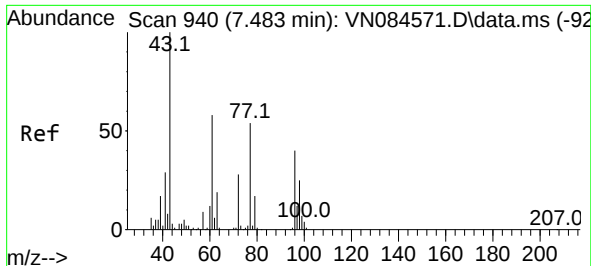
Tgt Ion: 43 Resp: 16260
Ion Ratio Lower Upper
43 100
58 31.8 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

Tgt Ion: 43 Resp: 766
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#

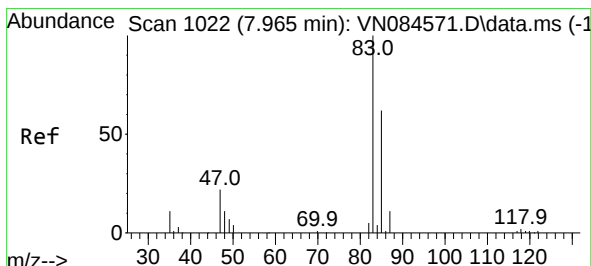
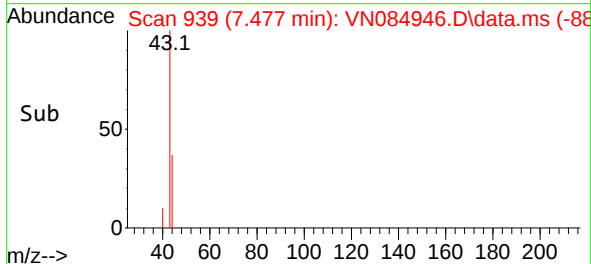
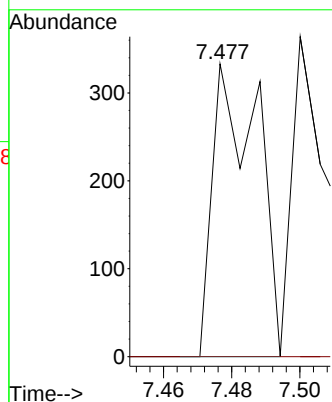
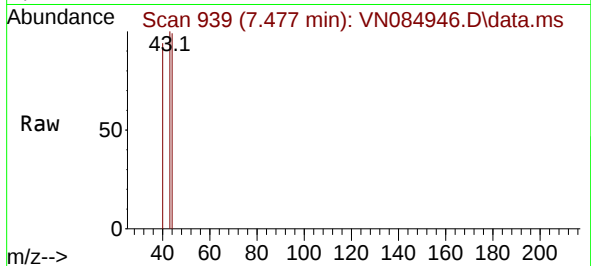




#25
2-Butanone
Concen: 0.264 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

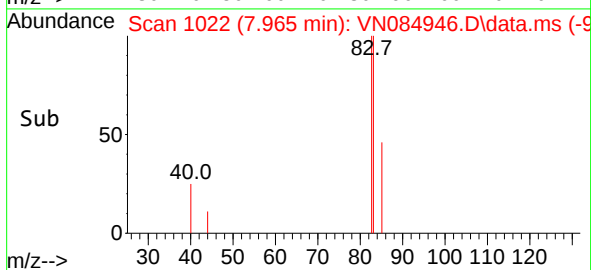
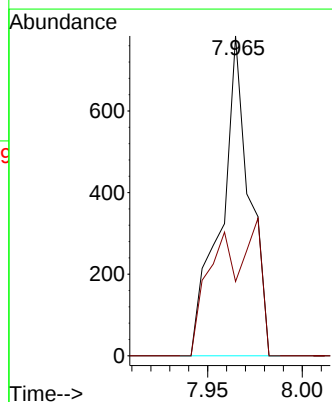
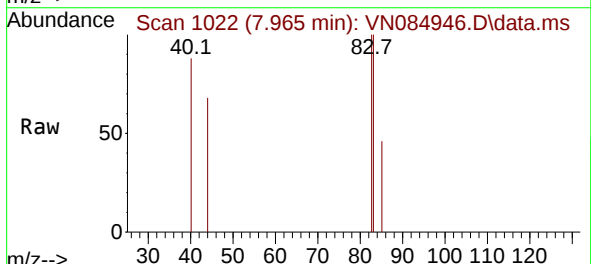
Instrument :
MSVOA_N
ClientSampleId :

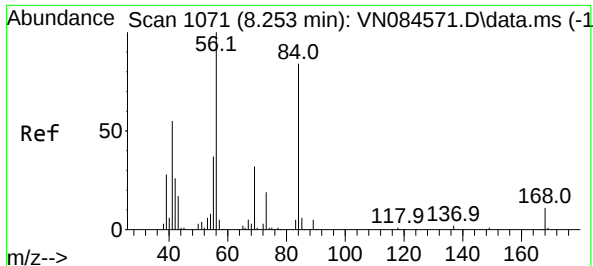
Tgt Ion: 43 Resp: 304
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#30
Chloroform
Concen: 0.214 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

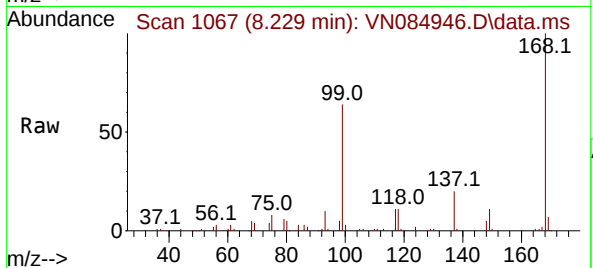
Tgt Ion: 83 Resp: 823
Ion Ratio Lower Upper
83 100
85 23.2 51.0 76.4#



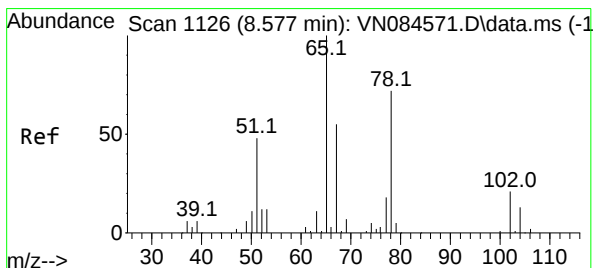
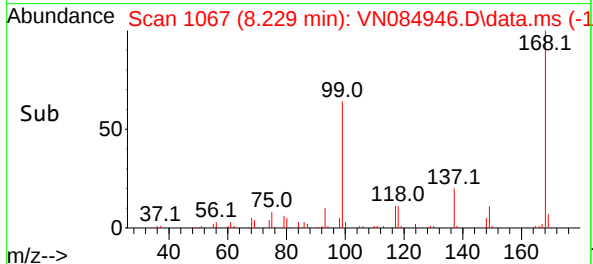
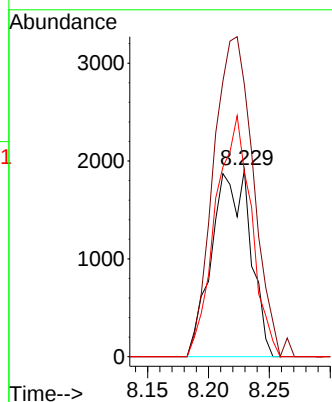


#31
Cyclohexane
Concen: 1.230 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.024 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

Instrument :
MSVOA_N
ClientSampleId :

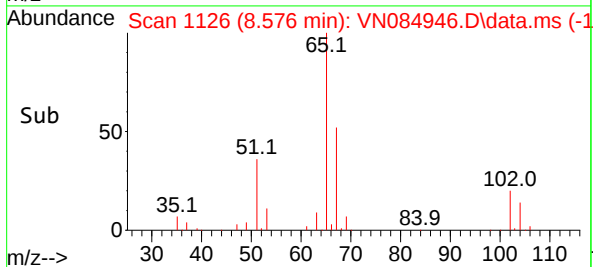
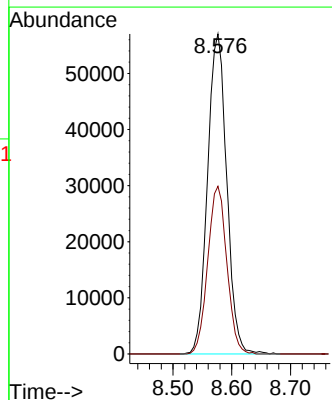
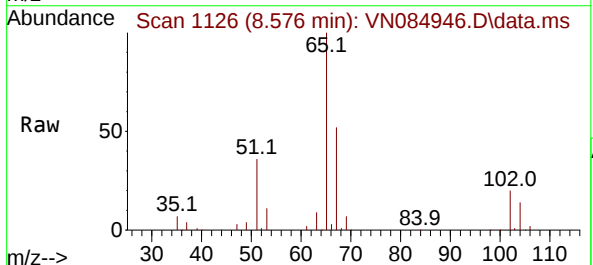


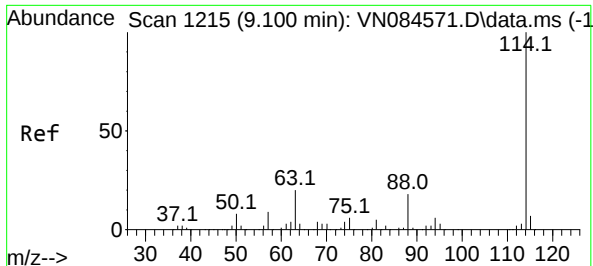
Tgt Ion: 56 Resp: 4197
Ion Ratio Lower Upper
56 100
69 145.7 23.8 35.6#
84 98.8 68.8 103.2



#33
1,2-Dichloroethane-d4
Concen: 52.254 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.001 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

Tgt Ion: 65 Resp: 129142
Ion Ratio Lower Upper
65 100
67 52.2 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: VN084946.D

Acq: 19 Nov 2024 14:53

Instrument :

MSVOA_N

ClientSampleId :

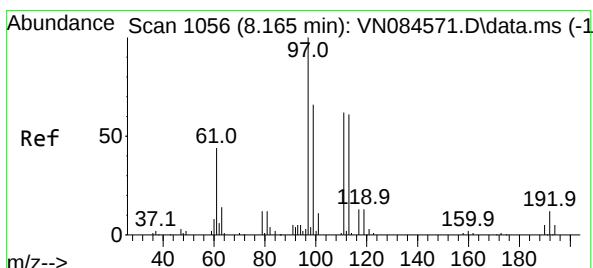
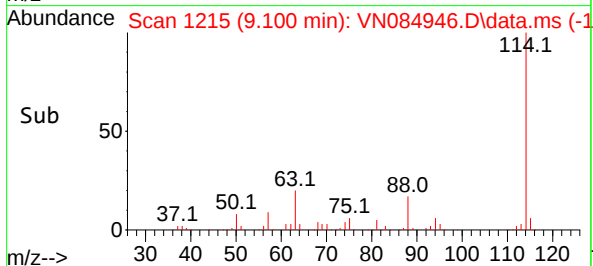
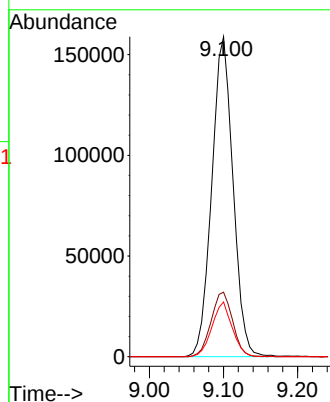
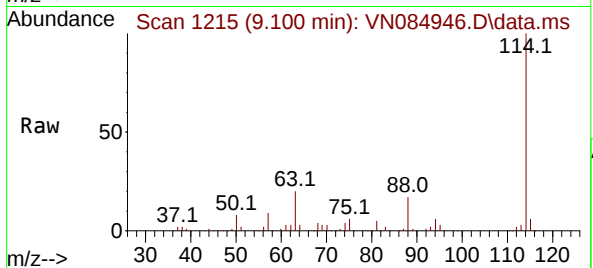
Tgt Ion:114 Resp: 316282

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.8

88 17.1 0.0 31.6



#35

Dibromofluoromethane

Concen: 48.032 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084946.D

Acq: 19 Nov 2024 14:53

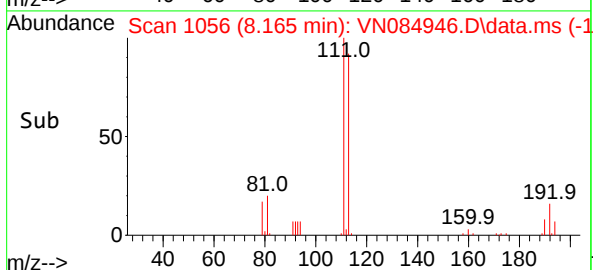
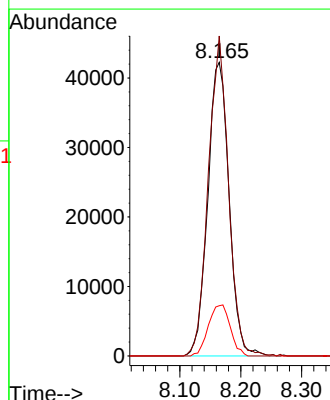
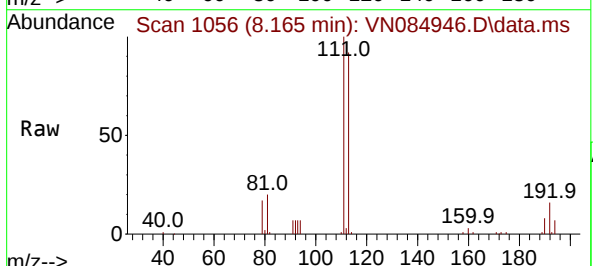
Tgt Ion:113 Resp: 102829

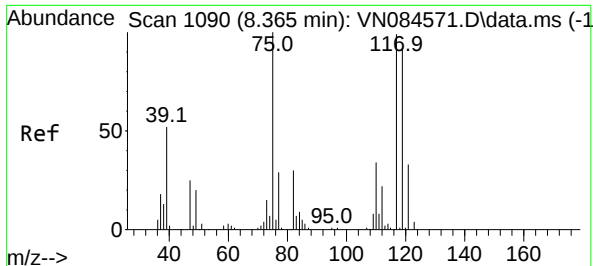
Ion Ratio Lower Upper

113 100

111 102.7 83.3 124.9

192 17.8 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.913 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084946.D

Acq: 19 Nov 2024 14:53

Instrument :

MSVOA_N

ClientSampleId :

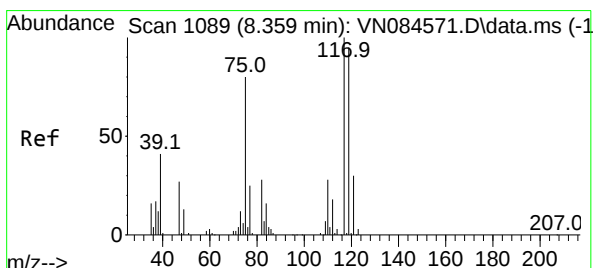
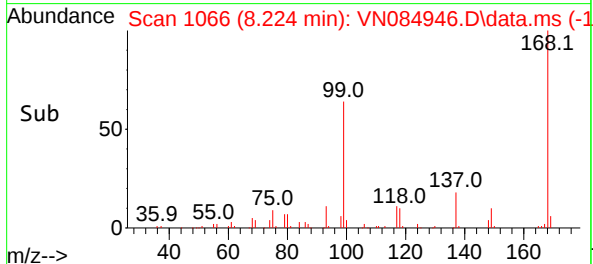
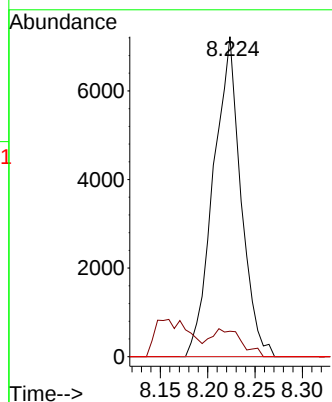
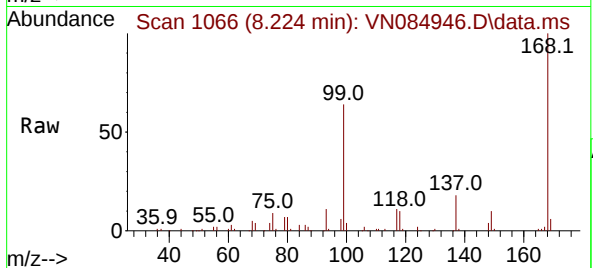
Tgt Ion: 75 Resp: 14587

Ion Ratio Lower Upper

75 100

110 9.8 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.637 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084946.D

Acq: 19 Nov 2024 14:53

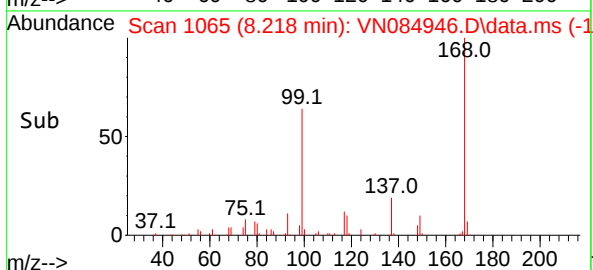
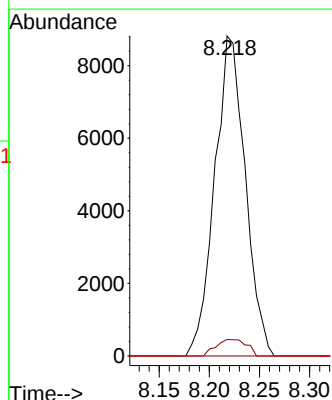
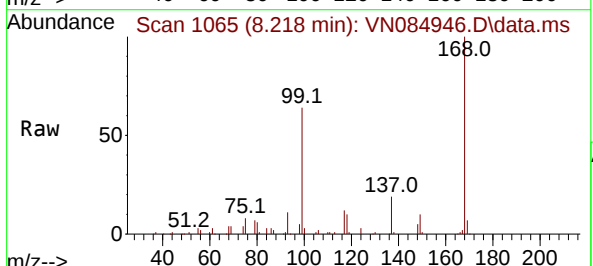
Tgt Ion: 117 Resp: 18707

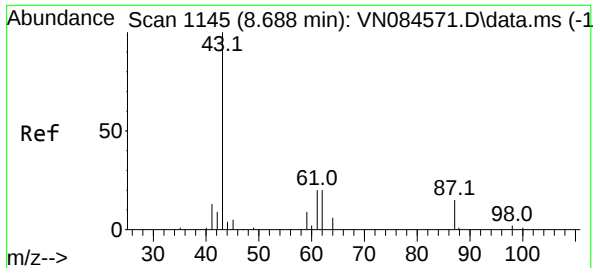
Ion Ratio Lower Upper

117 100

119 5.1 78.7 118.1#

121 0.0 24.4 36.6#

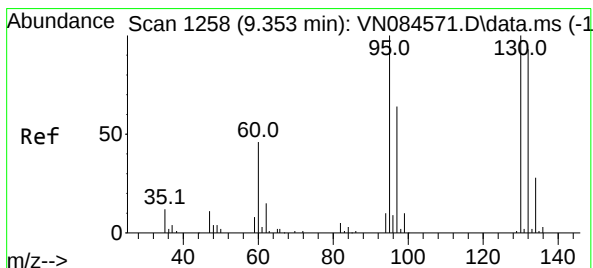
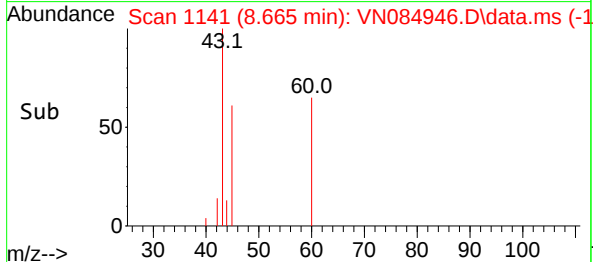
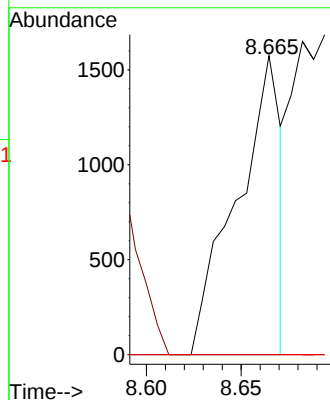
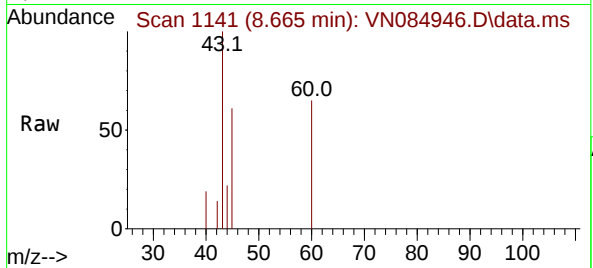




#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.665 min Scan# 1145
Delta R.T. -0.023 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

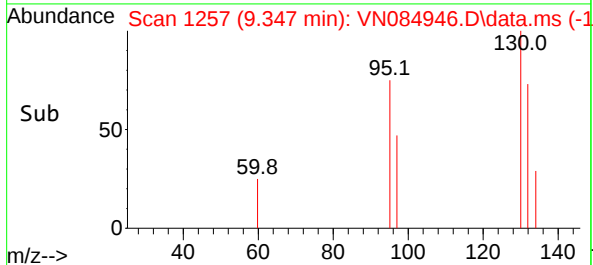
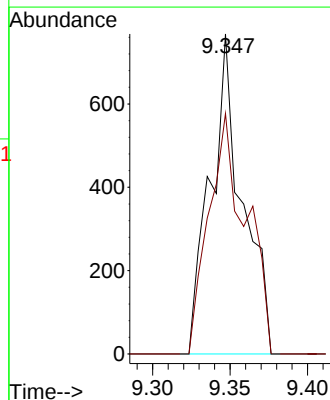
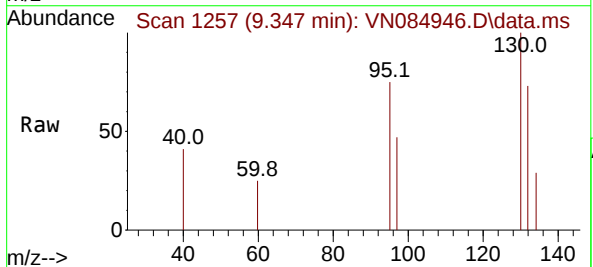
Instrument :
MSVOA_N
ClientSampleId :

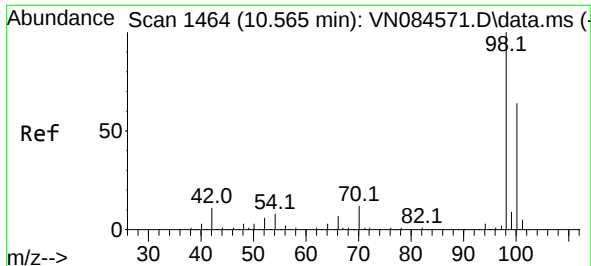
Tgt Ion: 43 Resp: 2548
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.3 15.5#



#44
Trichloroethene
Concen: 0.497 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

Tgt Ion:130 Resp: 1093
Ion Ratio Lower Upper
130 100
95 75.1 0.0 203.0

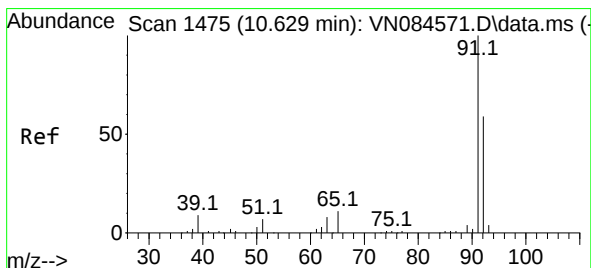
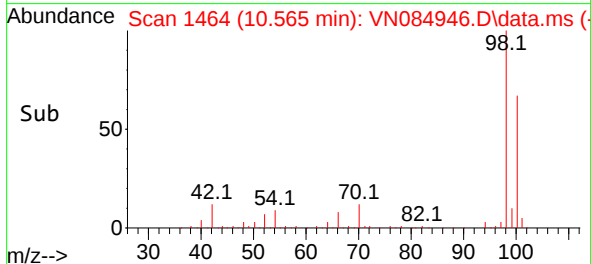
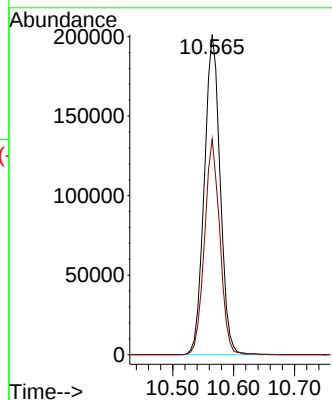
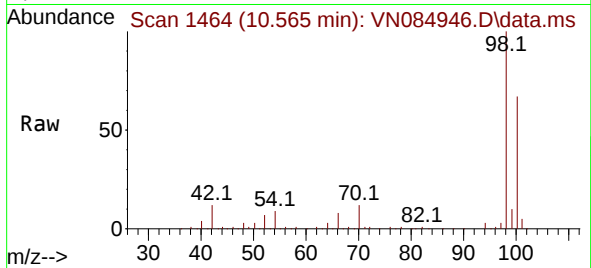




#50
Toluene-d8
Concen: 46.071 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

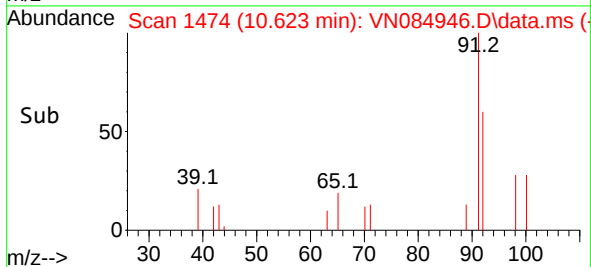
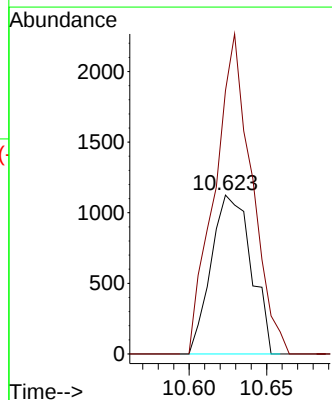
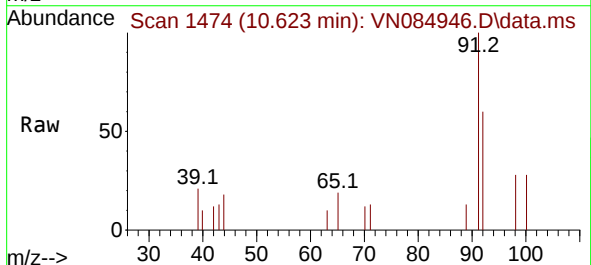
Instrument :
MSVOA_N
ClientSampleId :

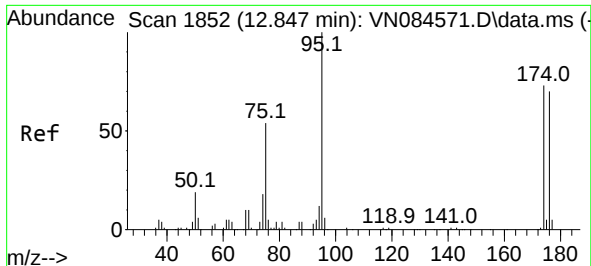
Tgt Ion: 98 Resp: 363322
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#52
Toluene
Concen: 0.362 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

Tgt Ion: 92 Resp: 2016
Ion Ratio Lower Upper
92 100
91 186.8 137.3 205.9

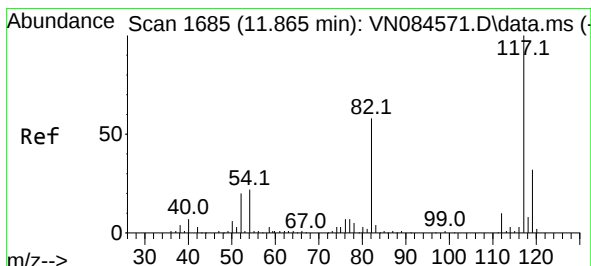
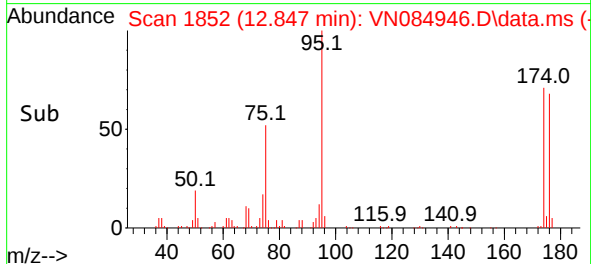
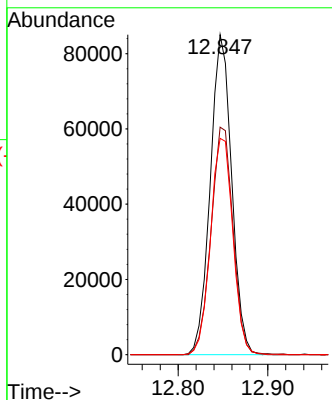
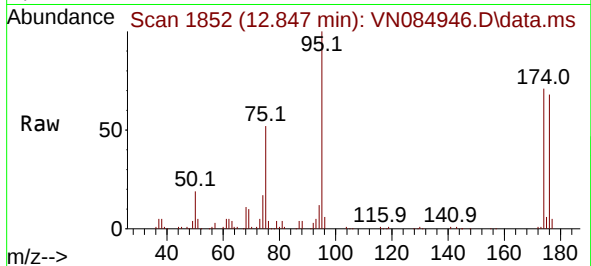




#62
4-Bromofluorobenzene
Concen: 47.738 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

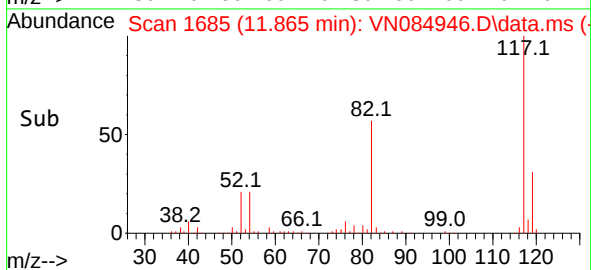
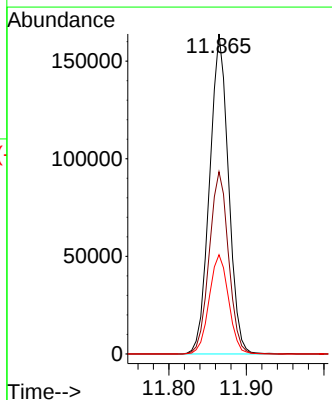
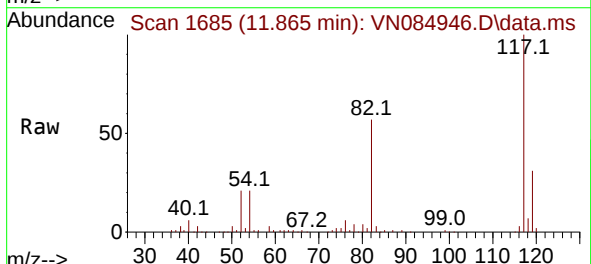
Instrument :
MSVOA_N
ClientSampleId :

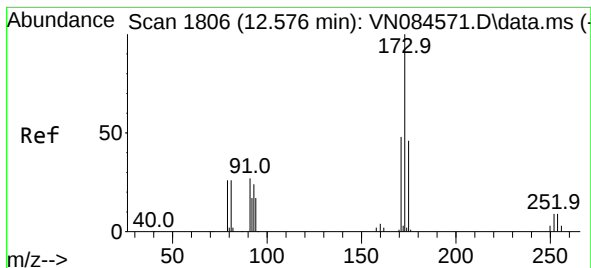
Tgt Ion: 95 Resp: 140700
Ion Ratio Lower Upper
95 100
174 73.3 0.0 145.2
176 70.6 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.001 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

Tgt Ion: 117 Resp: 277762
Ion Ratio Lower Upper
117 100
82 57.0 47.2 70.8
119 31.0 25.4 38.0





#71

Bromoform

Concen: 0.575 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

Lab File: VN084946.D

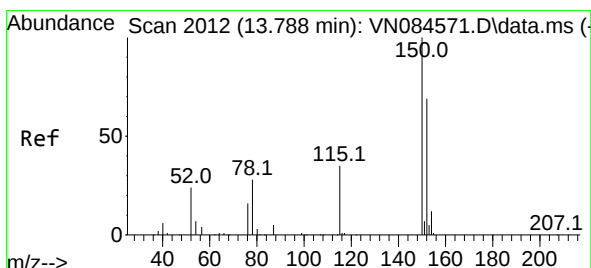
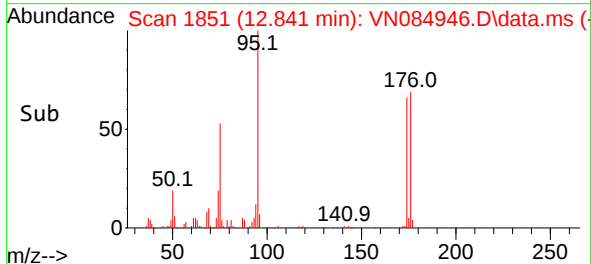
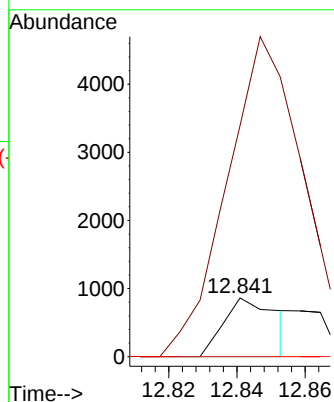
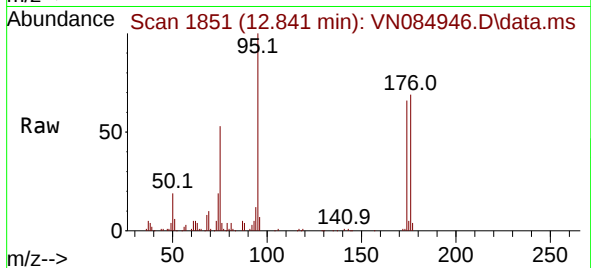
Acq: 19 Nov 2024 14:53

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	173	Resp:	935
Ion Ratio	Lower	Upper	
173	100		
175	586.4	23.5	70.6#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

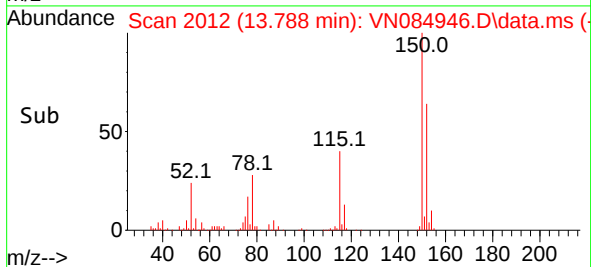
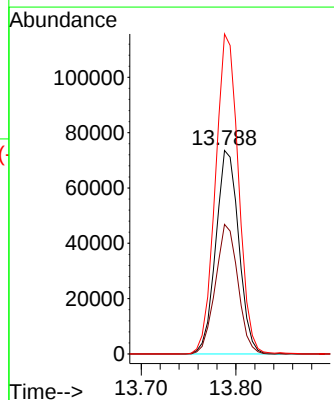
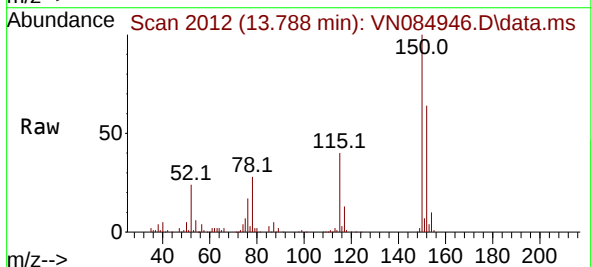
RT: 13.788 min Scan# 2012

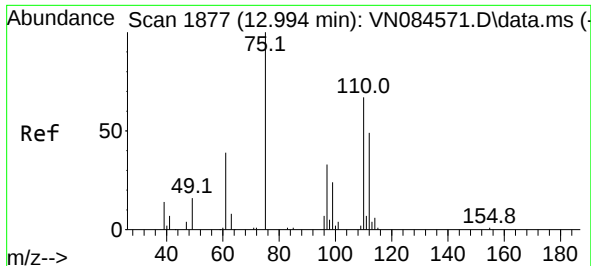
Delta R.T. -0.000 min

Lab File: VN084946.D

Acq: 19 Nov 2024 14:53

Tgt Ion:	152	Resp:	123702
Ion Ratio	Lower	Upper	
152	100		
115	62.6	31.3	93.9
150	157.9	0.0	349.8

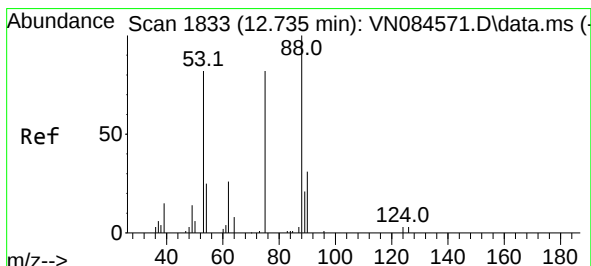
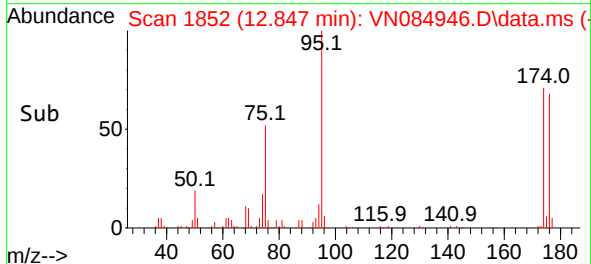
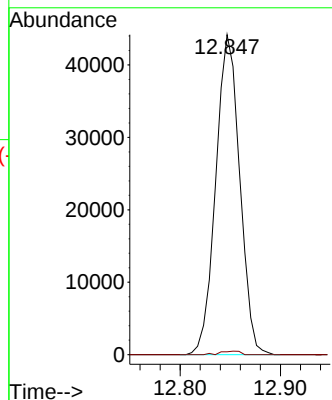
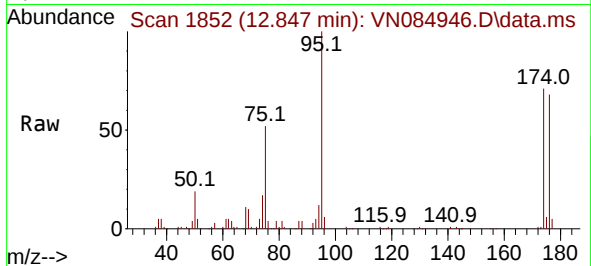




#76
1,2,3-Trichloropropane
Concen: 29.608 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

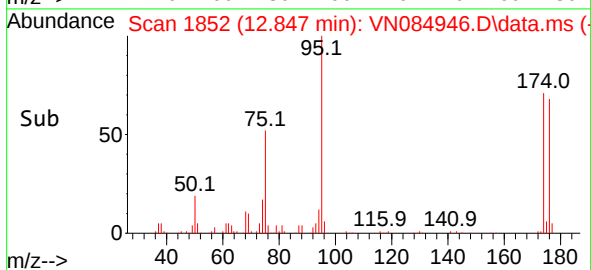
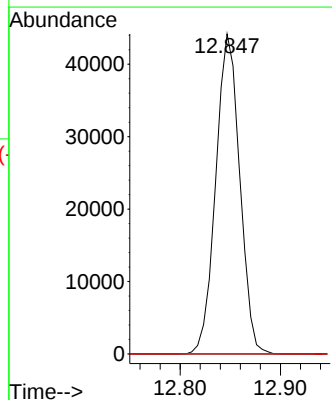
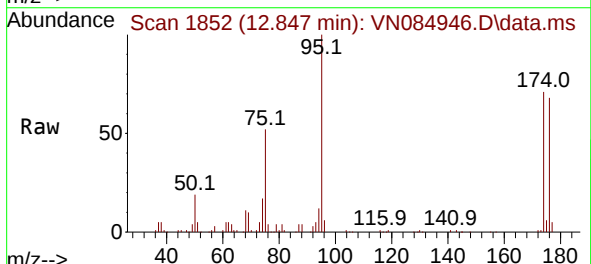
Instrument :
MSVOA_N
ClientSampleId :

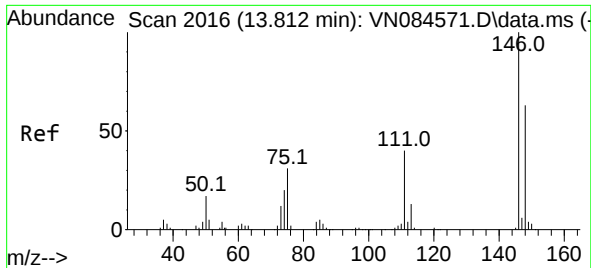
Tgt Ion: 75 Resp: 73213
Ion Ratio Lower Upper
75 100
77 0.9 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.242 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084946.D
Acq: 19 Nov 2024 14:53

Tgt Ion: 75 Resp: 73213
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.794 min Scan# 20

Delta R.T. -0.018 min

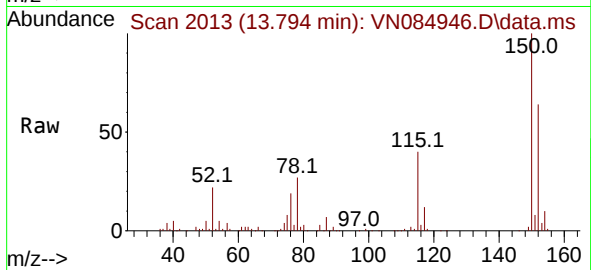
Lab File: VN084946.D

Acq: 19 Nov 2024 14:53

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:146 Resp: 383

Ion Ratio Lower Upper

146 100

111 554.3 21.2 63.6#

148 115.4 31.9 95.9#

