

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121420\
 Data File : VN065130.D
 Acq On : 15 Dec 2020 3:45
 Operator : JC/MD
 Sample : L5053-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 06:45:54 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121420W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 15 05:41:47 2020
 Response via : Initial Calibration

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

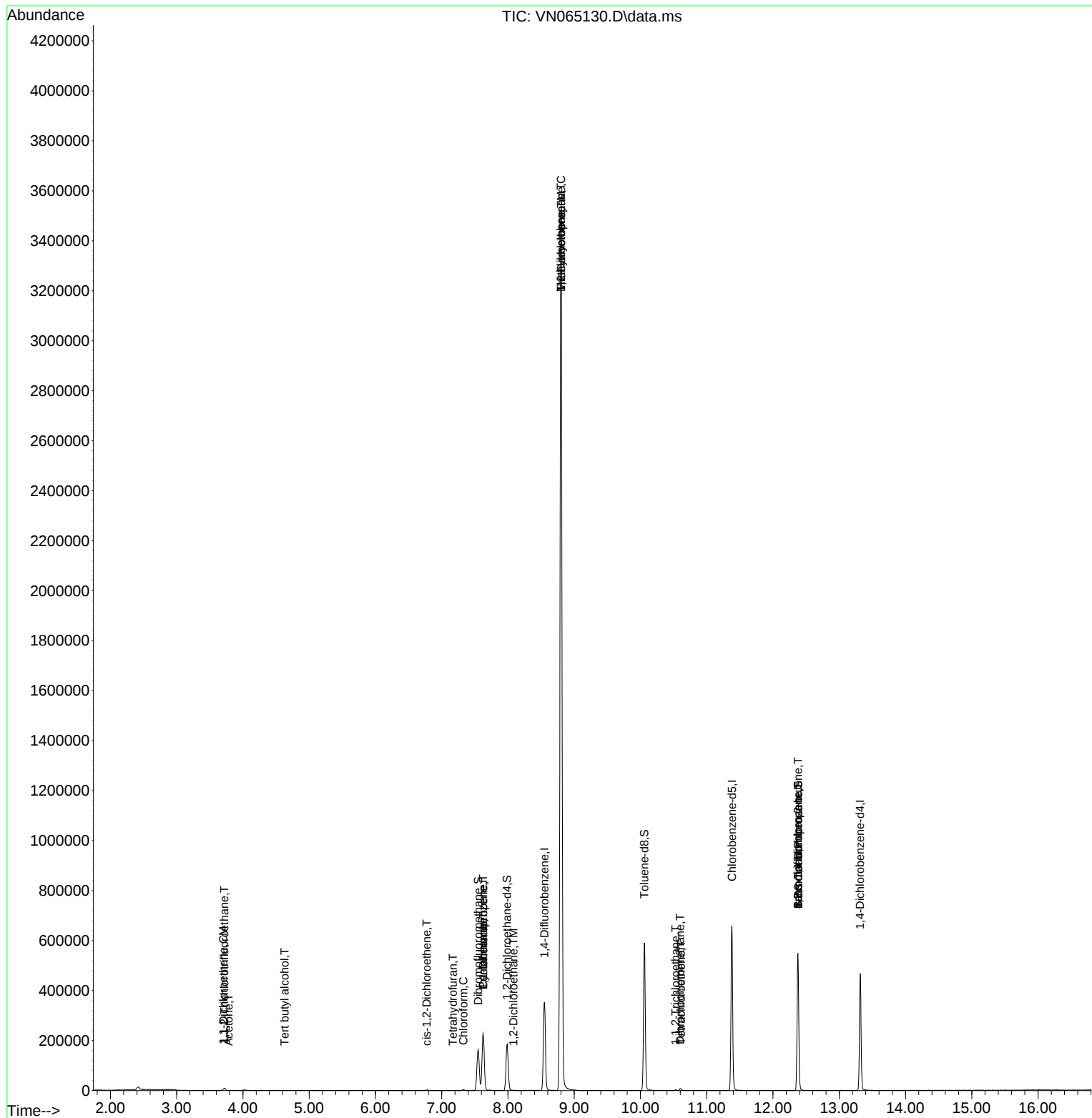
Internal Standards						
1) Pentafluorobenzene	7.624	168	171293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	305154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	341819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	117905	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	166793	84.70	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 169.40%#			
35) Dibromofluoromethane	7.550	113	120112	56.63	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 113.26%			
50) Toluene-d8	10.058	98	393656	52.48	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.96%			
62) 4-Bromofluorobenzene	12.376	95	177549	68.73	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 137.46%#			
Target Compounds					Qvalue	
3) Chloromethane	2.036	50	256	Below Cal	#	41
5) Bromomethane	2.525	94	237	Below Cal	#	3
9) 1,1,2-Trichlorotrifluo...	3.717	101	4839	2.86	ug/l #	51
11) Tert butyl alcohol	4.631	59	75	0.36	ug/l #	73
12) 1,1-Dichloroethene	3.705	96	400	0.25	ug/l #	67
16) Acetone	3.782	43	917	1.25	ug/l #	43
20) Methylene Chloride	4.508	84	144	Below Cal	#	59
27) cis-1,2-Dichloroethene	6.772	96	465	0.25	ug/l #	9
29) Tetrahydrofuran	7.171	42	227	0.39	ug/l #	32
30) Chloroform	7.328	83	2170	0.67	ug/l #	80
31) Cyclohexane	7.624	56	4745	1.77	ug/l #	23
36) 1,1-Dichloropropene	7.624	75	15286	5.25	ug/l #	50
39) Methylcyclohexane	8.798	83	16228	5.13	ug/l #	1
42) 1,2-Dichloroethane	8.084	62	812	0.26	ug/l #	73
44) Trichloroethene	8.801	130	1147768	453.90	ug/l	93
45) 1,2-Dichloropropane	8.801	63	3894	1.72	ug/l #	1
55) 1,1,2-Trichloroethane	10.531	97	793	0.37	ug/l #	90
60) Dibromochloromethane	10.598	129	1839	0.73	ug/l #	10
64) Tetrachloroethene	10.611	164	1587	0.47	ug/l #	71
71) Bromoform	12.376	173	1700	0.78	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	99965	47.25	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	99965	131.48	ug/l #	15

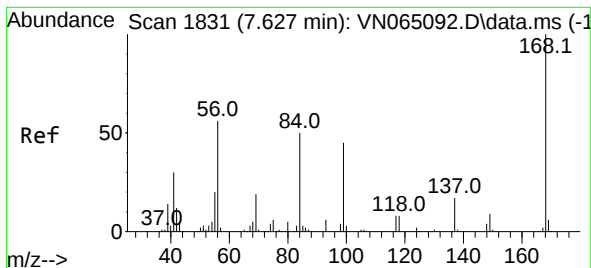
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 15 05:41:47 2020
Response via : Initial Calibration

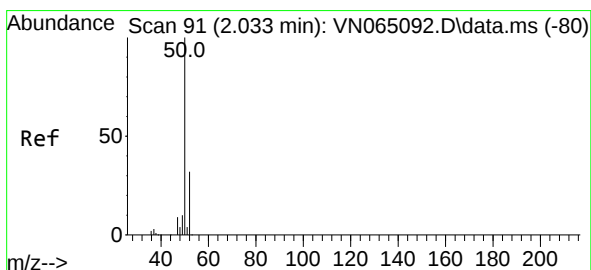
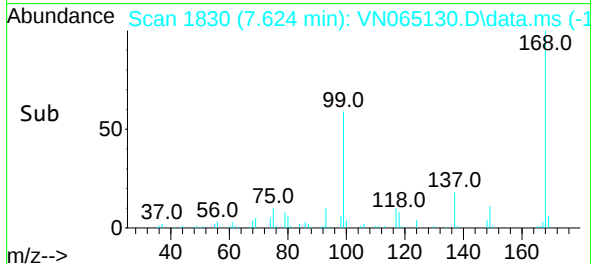
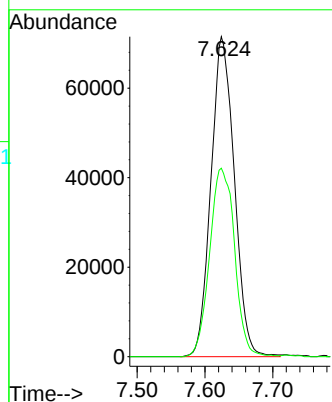
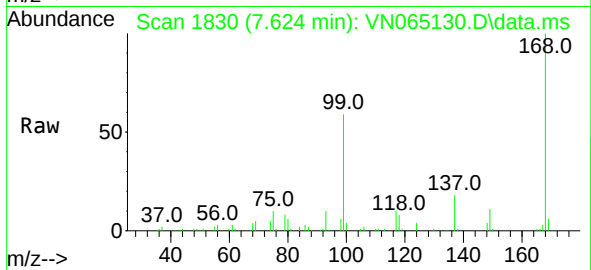




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.003 min
Lab File: VN065130.D
Acq: 15 Dec 2020 3:45

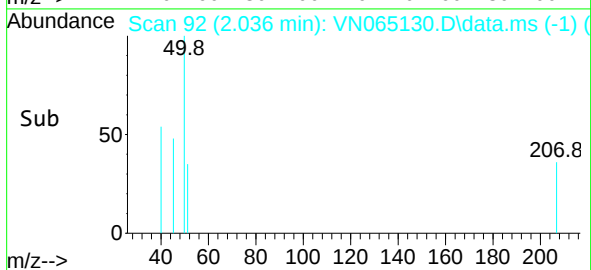
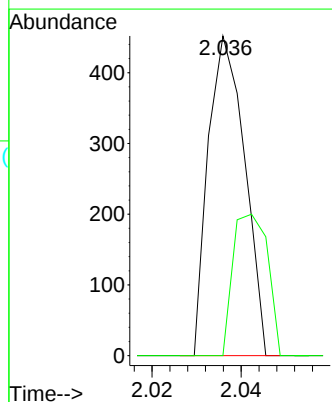
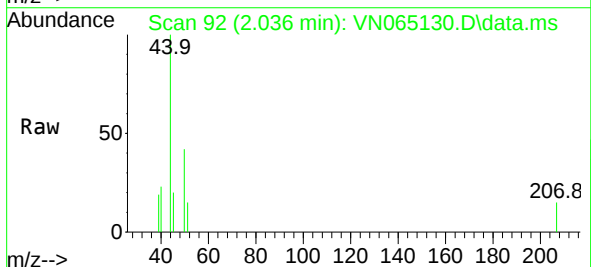
Instrument :
MSVOA_N
ClientSampled :

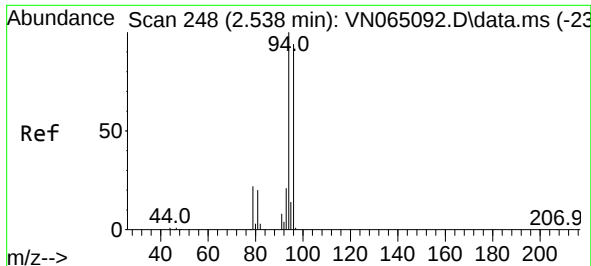
Tgt Ion:168 Resp: 171293
Ion Ratio Lower Upper
168 100
99 58.9 43.0 64.4



#3
Chloromethane
Concen: Below Cal
RT: 2.036 min Scan# 92
Delta R.T. 0.003 min
Lab File: VN065130.D
Acq: 15 Dec 2020 3:45

Tgt Ion: 50 Resp: 256
Ion Ratio Lower Upper
50 100
52 0.0 26.6 39.8#

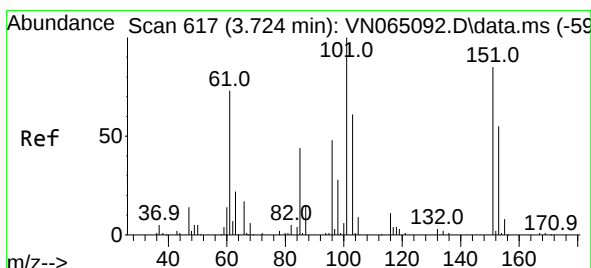
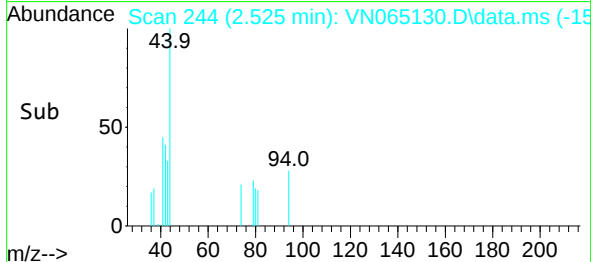
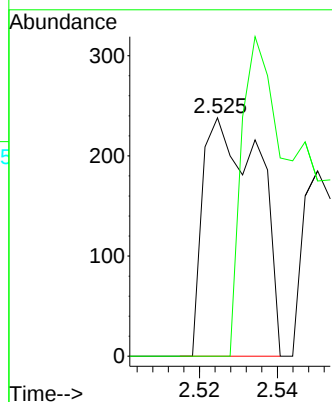
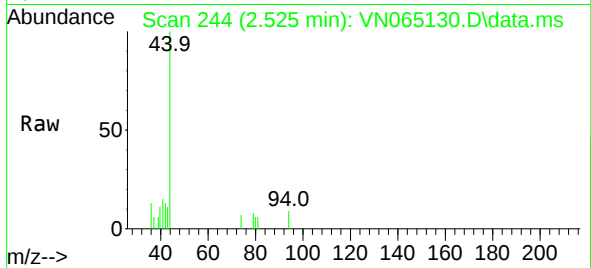




#5
Bromomethane
Concen: Below Cal
RT: 2.525 min Scan# 244
Delta R.T. -0.013 min
Lab File: VN065130.D
Acq: 15 Dec 2020 3:45

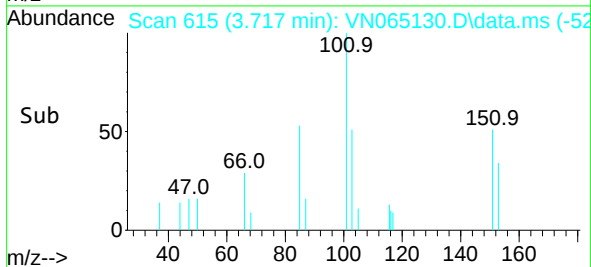
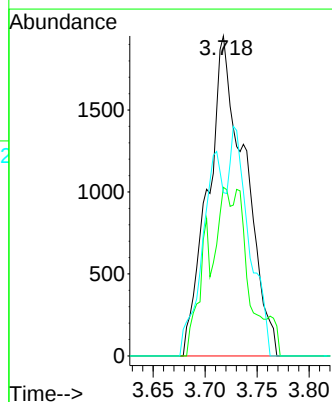
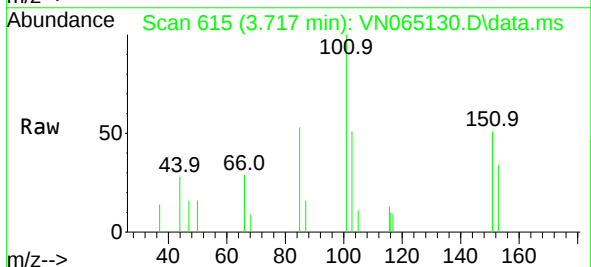
Instrument :
MSVOA_N
ClientSampleId :

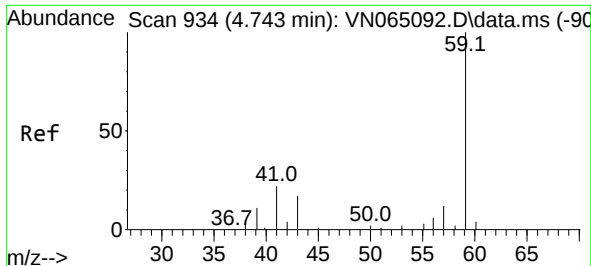
Tgt Ion: 94 Resp: 237
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.86 ug/l
RT: 3.717 min Scan# 615
Delta R.T. -0.007 min
Lab File: VN065130.D
Acq: 15 Dec 2020 3:45

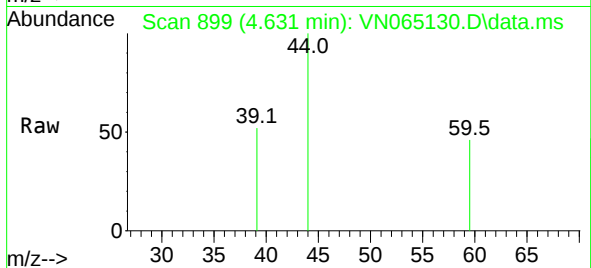
Tgt Ion: 101 Resp: 4839
Ion Ratio Lower Upper
101 100
85 6.6 34.4 51.6#
151 40.0 64.0 96.0#



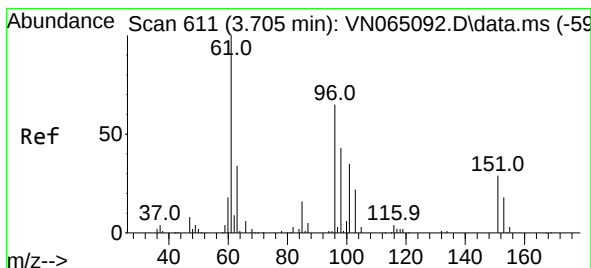
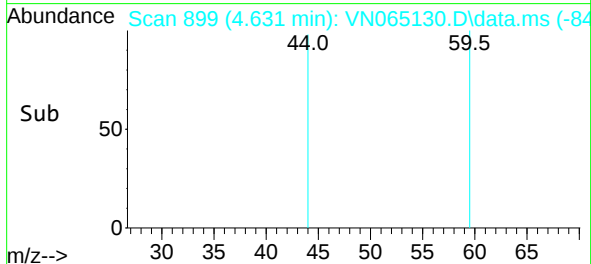
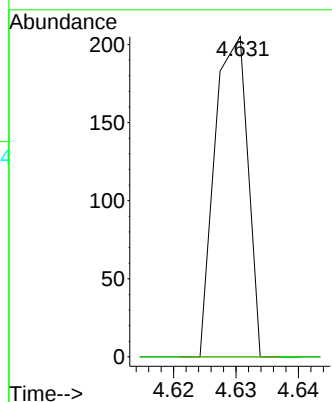


#11
Tert butyl alcohol
Concen: 0.36 ug/l
RT: 4.631 min Scan# 899
Delta R.T. -0.112 min
Lab File: VN065130.D
Acq: 15 Dec 2020 3:45

Instrument :
MSVOA_N
ClientSampled :

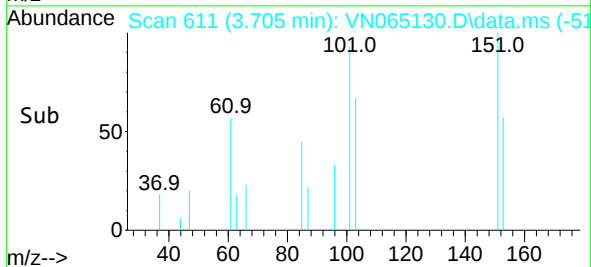
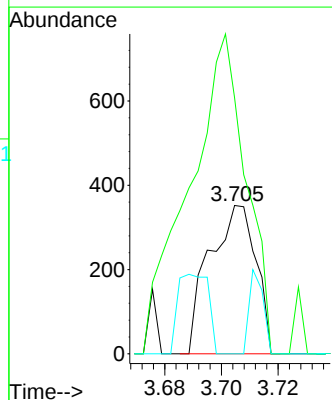
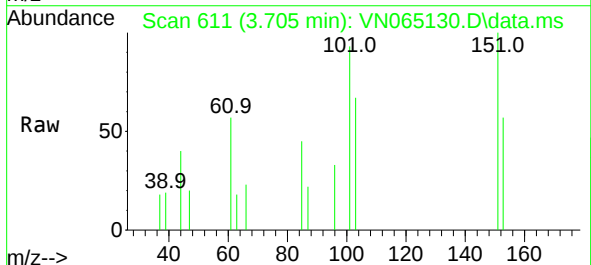


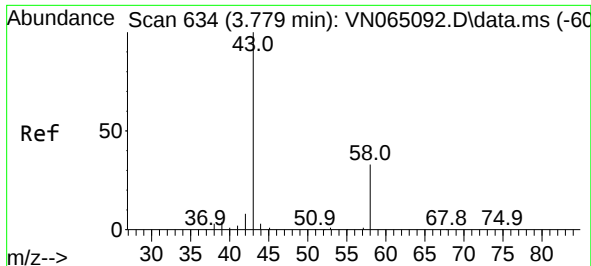
Tgt Ion: 59 Resp: 75
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#12
1,1-Dichloroethene
Concen: 0.25 ug/l
RT: 3.705 min Scan# 611
Delta R.T. -0.000 min
Lab File: VN065130.D
Acq: 15 Dec 2020 3:45

Tgt Ion: 96 Resp: 400
Ion Ratio Lower Upper
96 100
61 172.4 123.4 185.2
98 0.0 49.8 74.8#

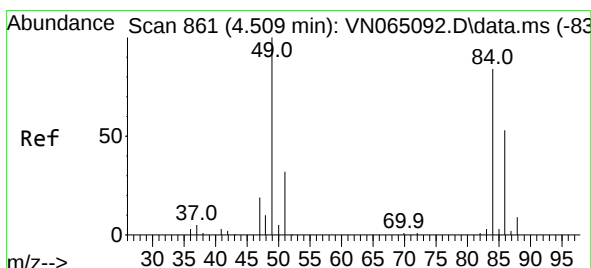
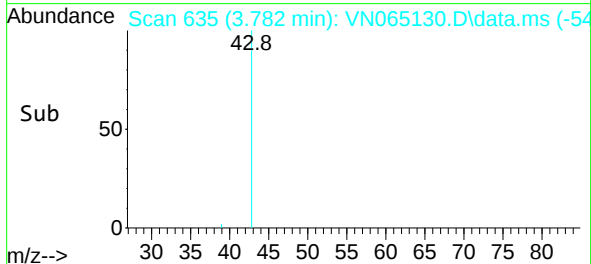
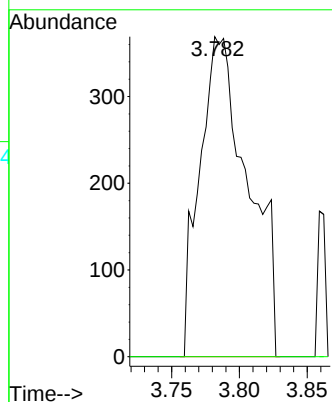
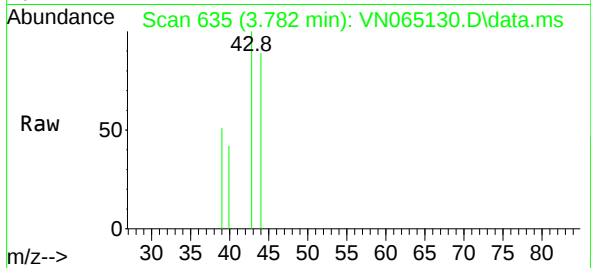




#16
Acetone
Concen: 1.25 ug/l
RT: 3.782 min Scan# 635
Delta R.T. 0.003 min
Lab File: VN065130.D
Acq: 15 Dec 2020 3:45

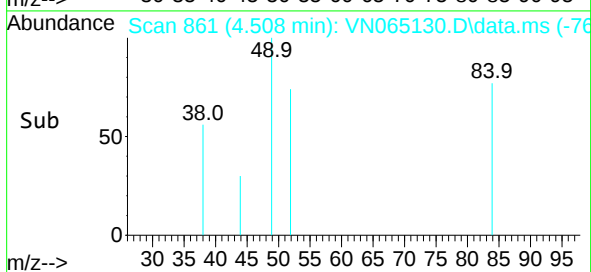
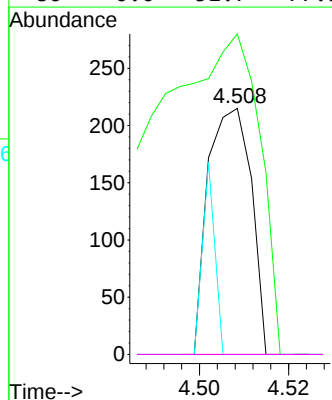
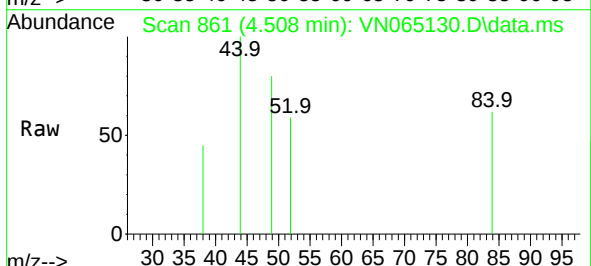
Instrument :
MSVOA_N
ClientSampled :

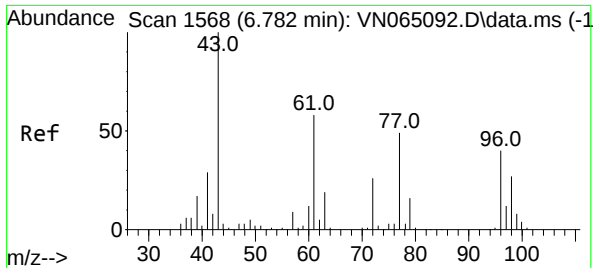
Tgt Ion: 43 Resp: 917
Ion Ratio Lower Upper
43 100
58 0.0 25.7 38.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.508 min Scan# 861
Delta R.T. -0.001 min
Lab File: VN065130.D
Acq: 15 Dec 2020 3:45

Tgt Ion: 84 Resp: 144
Ion Ratio Lower Upper
84 100
49 130.2 93.4 140.0
51 0.0 28.2 42.4#
86 0.0 51.7 77.5#



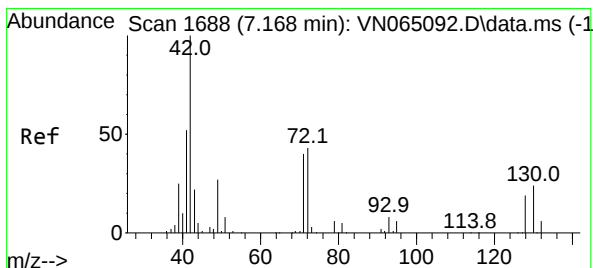
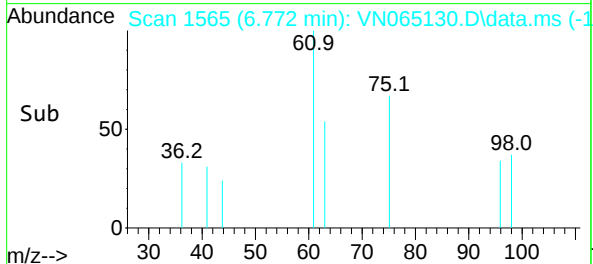
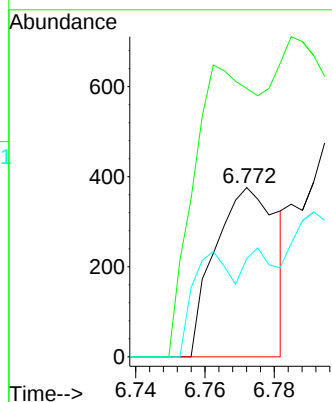
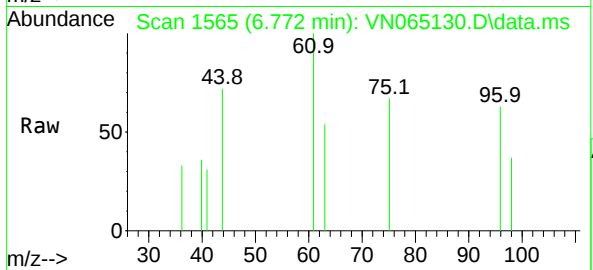


#27
 cis-1,2-Dichloroethene
 Concen: 0.25 ug/l
 RT: 6.772 min Scan# 1565
 Delta R.T. -0.010 min
 Lab File: VN065130.D
 Acq: 15 Dec 2020 3:45

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 96 Resp: 465

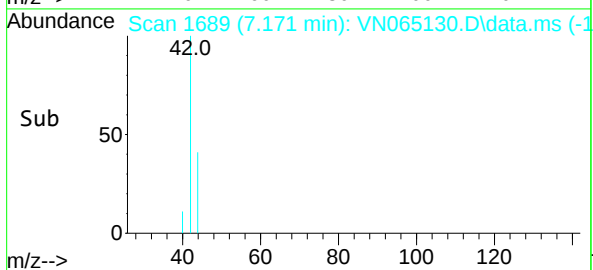
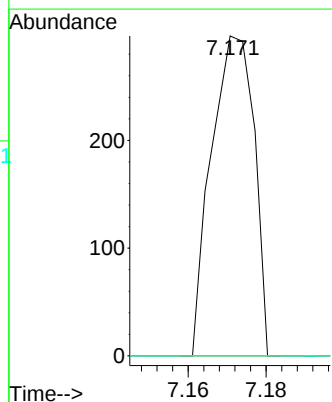
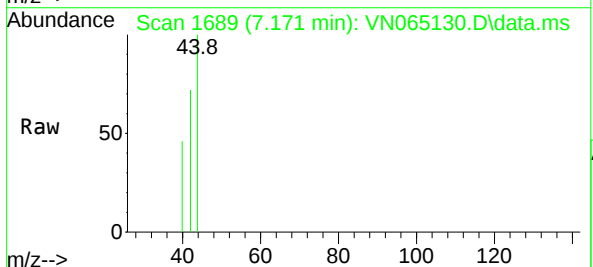
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	285.8
98	35.7	0.0	130.6

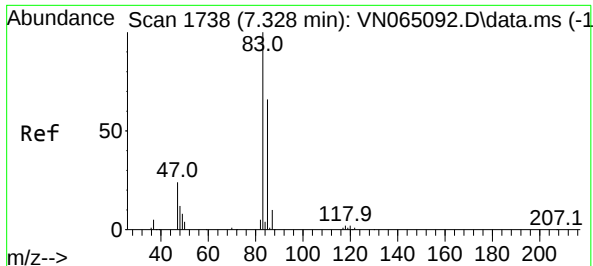


#29
 Tetrahydrofuran
 Concen: 0.39 ug/l
 RT: 7.171 min Scan# 1689
 Delta R.T. 0.003 min
 Lab File: VN065130.D
 Acq: 15 Dec 2020 3:45

Tgt Ion: 42 Resp: 227

Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	54.8#
71	0.0	33.6	50.4#





#30

Chloroform

Concen: 0.67 ug/l

RT: 7.328 min Scan# 1738

Delta R.T. 0.000 min

Lab File: VN065130.D

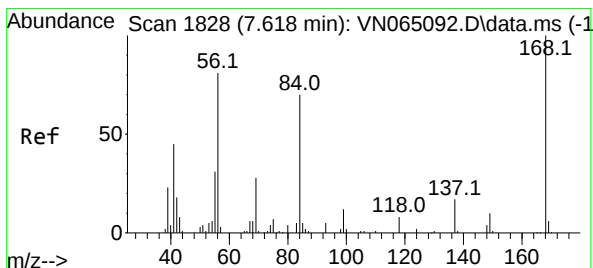
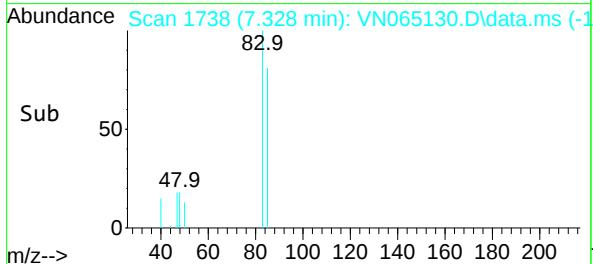
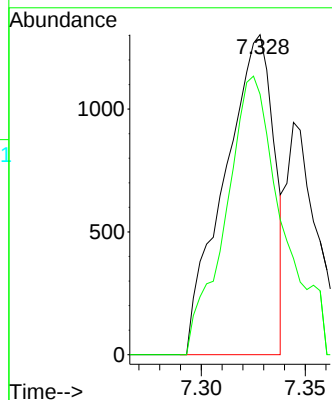
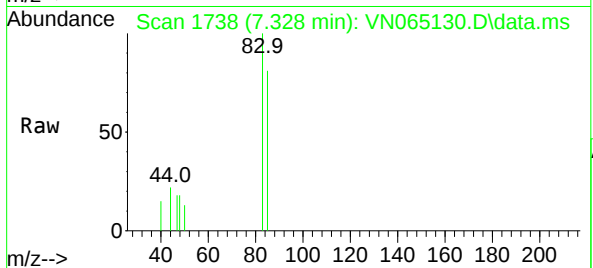
Acq: 15 Dec 2020 3:45

Tgt Ion: 83 Resp: 2170

Ion Ratio Lower Upper

83 100

85 81.4 52.6 78.8#



#31

Cyclohexane

Concen: 1.77 ug/l

RT: 7.624 min Scan# 1830

Delta R.T. 0.006 min

Lab File: VN065130.D

Acq: 15 Dec 2020 3:45

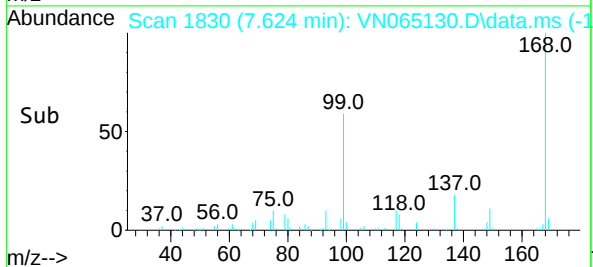
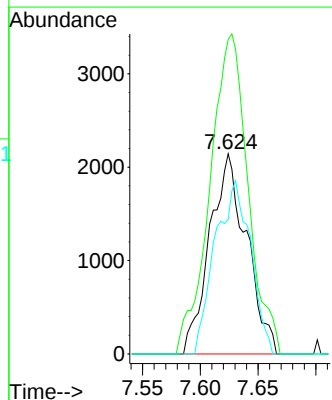
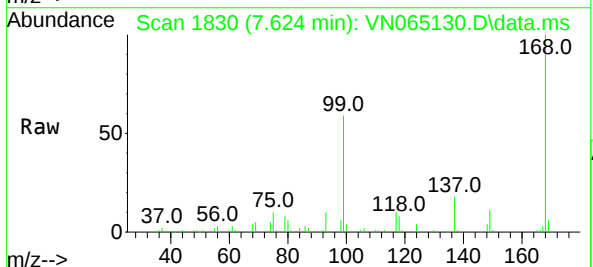
Tgt Ion: 56 Resp: 4745

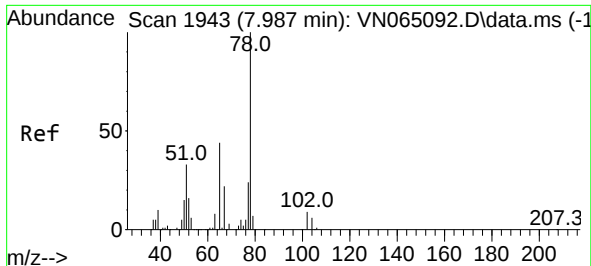
Ion Ratio Lower Upper

56 100

69 157.2 27.5 41.3#

84 67.3 73.9 110.9#

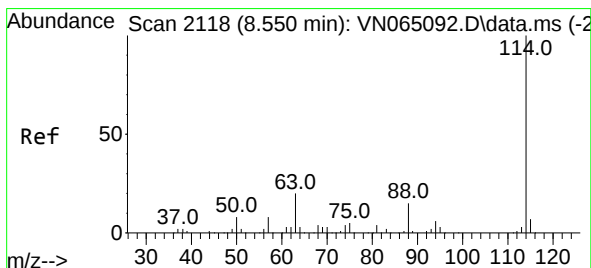
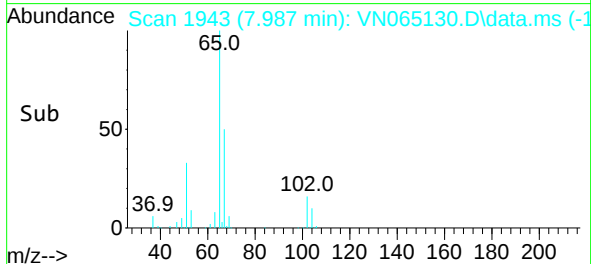
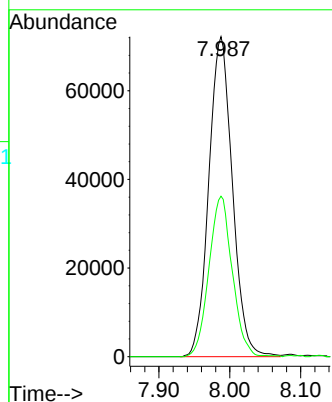
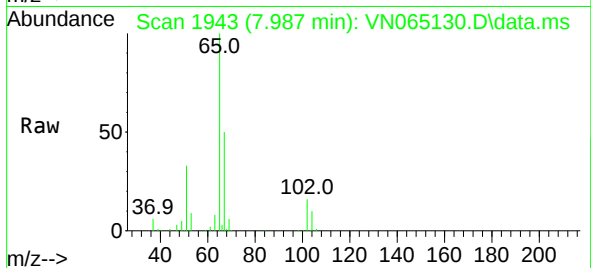




#33
1,2-Dichloroethane-d4
Concen: 84.70 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065130.D
Acq: 15 Dec 2020 3:45

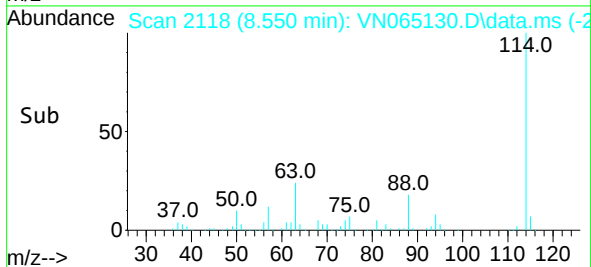
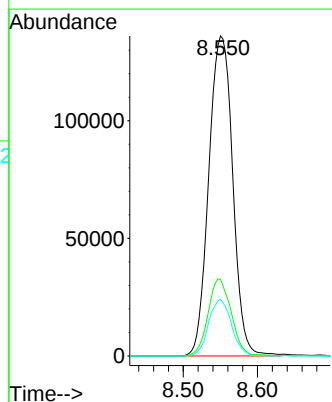
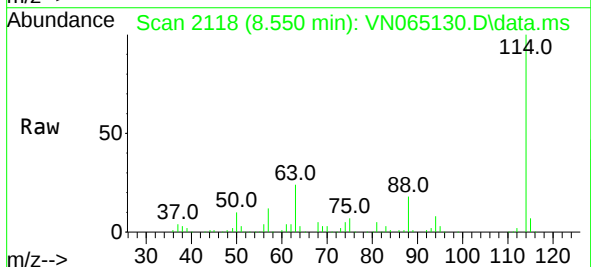
Instrument :
MSVOA_N
ClientSampled :

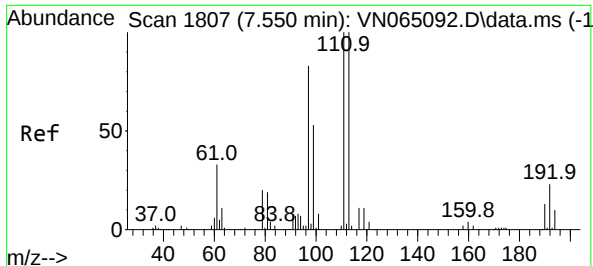
Tgt Ion: 65 Resp: 166793
Ion Ratio Lower Upper
65 100
67 49.5 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065130.D
Acq: 15 Dec 2020 3:45

Tgt Ion: 114 Resp: 305154
Ion Ratio Lower Upper
114 100
63 23.9 0.0 38.6
88 17.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 56.63 ug/l

RT: 7.550 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN065130.D

Acq: 15 Dec 2020 3:45

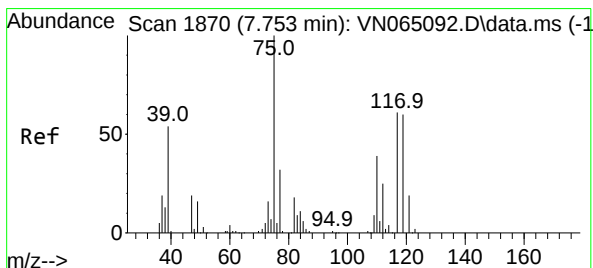
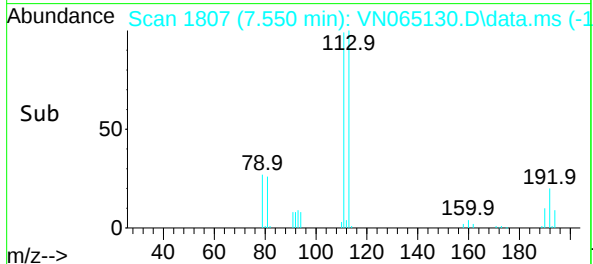
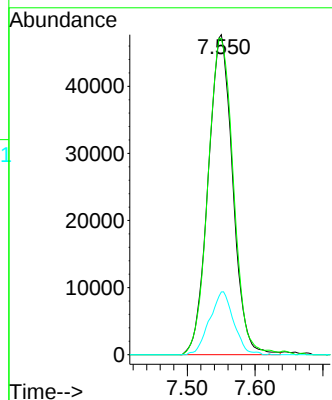
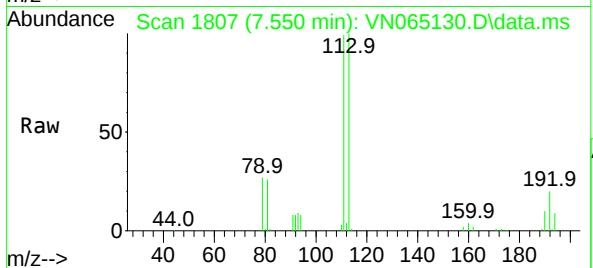
Tgt Ion:113 Resp: 120112

Ion Ratio Lower Upper

113 100

111 101.3 81.6 122.4

192 19.3 16.2 24.2



#36

1,1-Dichloropropene

Concen: 5.25 ug/l

RT: 7.624 min Scan# 1830

Delta R.T. -0.129 min

Lab File: VN065130.D

Acq: 15 Dec 2020 3:45

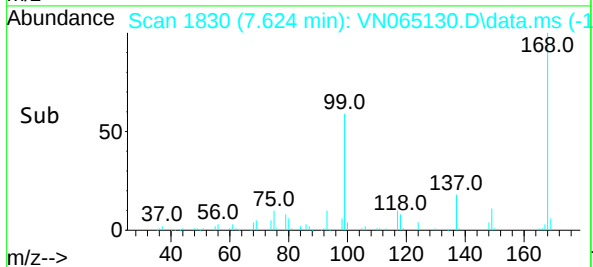
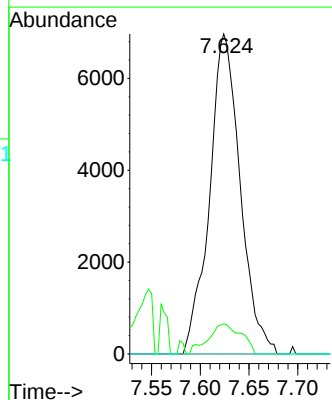
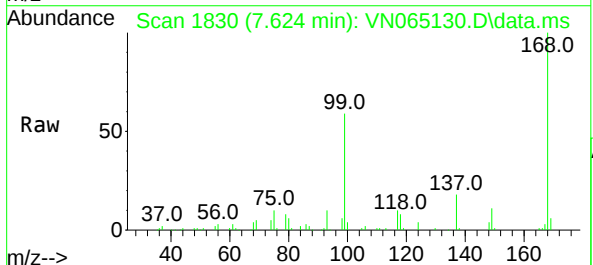
Tgt Ion: 75 Resp: 15286

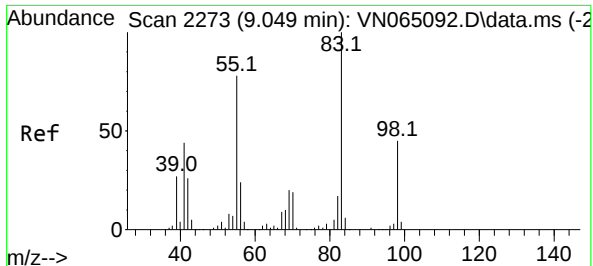
Ion Ratio Lower Upper

75 100

110 10.1 17.8 53.3#

77 0.0 25.0 37.4#





#39

Methylcyclohexane

Concen: 5.13 ug/l

RT: 8.798 min Scan# 2195

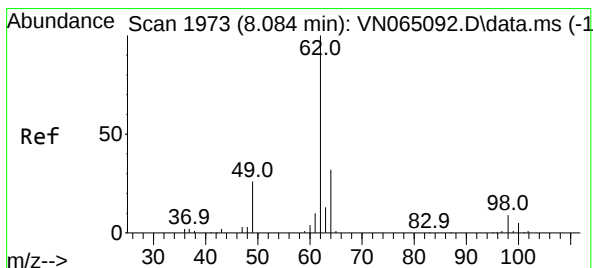
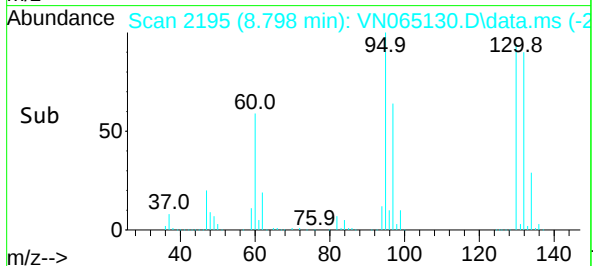
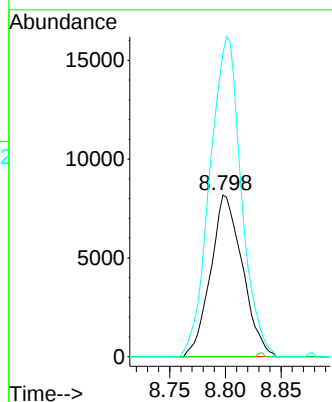
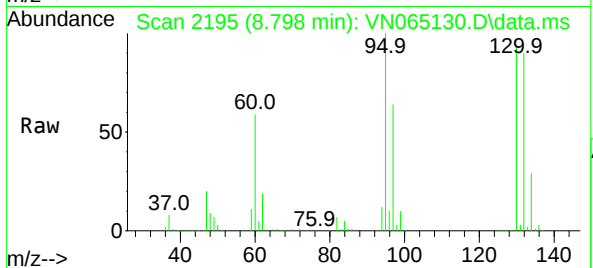
Delta R.T. -0.251 min

Lab File: VN065130.D

Acq: 15 Dec 2020 3:45

Tgt Ion:	83	Resp:	16228
Ion	Ratio	Lower	Upper
83	100		
55	0.0	60.2	90.2#
98	187.5	37.4	56.2#

Instrument :
MSVOA_N
ClientSampled :



#42

1,2-Dichloroethane

Concen: 0.26 ug/l

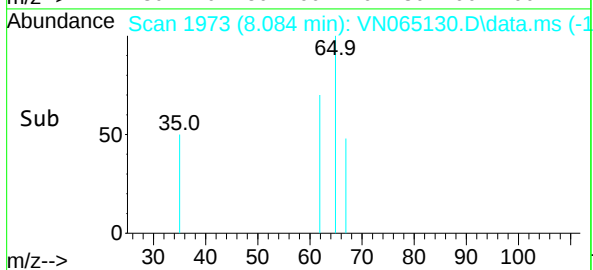
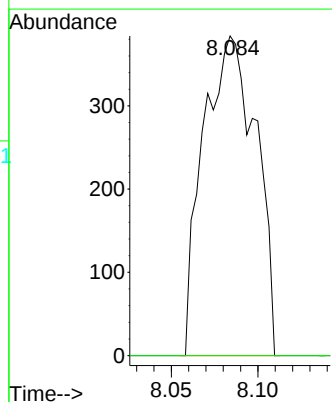
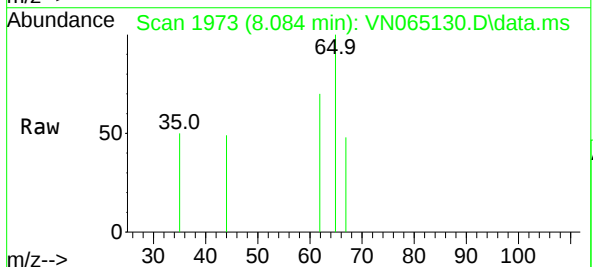
RT: 8.084 min Scan# 1973

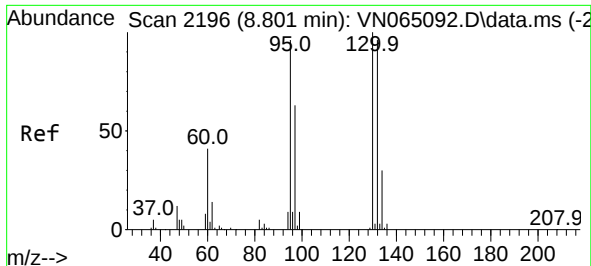
Delta R.T. -0.000 min

Lab File: VN065130.D

Acq: 15 Dec 2020 3:45

Tgt Ion:	62	Resp:	812
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.6

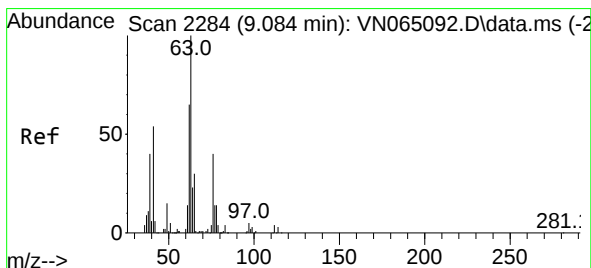
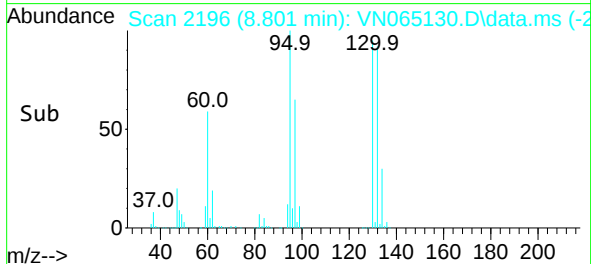
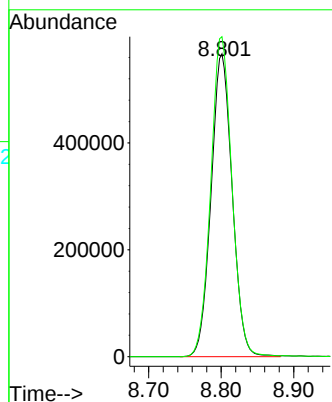
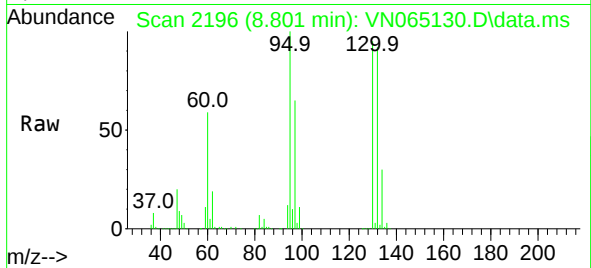




#44
Trichloroethene
Concen: 453.90 ug/l
RT: 8.801 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VN065130.D
Acq: 15 Dec 2020 3:45

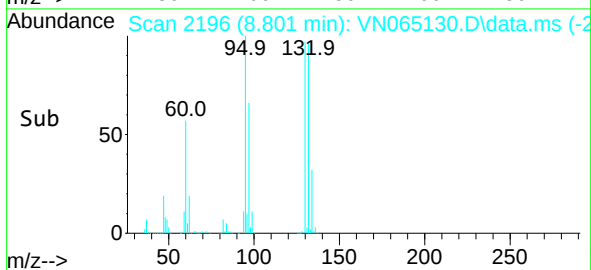
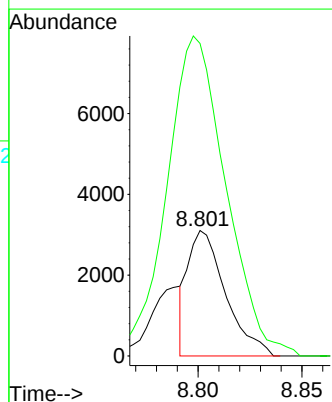
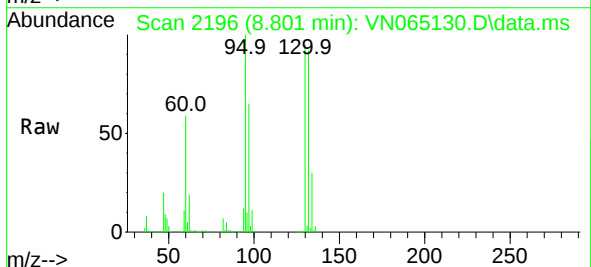
Instrument :
MSVOA_N
ClientSampled :

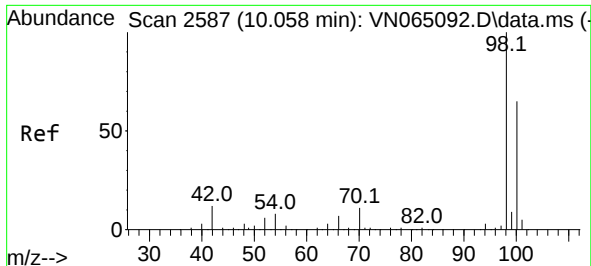
Tgt Ion:130 Resp: 1147768
Ion Ratio Lower Upper
130 100
95 105.7 0.0 197.8



#45
1,2-Dichloropropane
Concen: 1.72 ug/l
RT: 8.801 min Scan# 2196
Delta R.T. -0.283 min
Lab File: VN065130.D
Acq: 15 Dec 2020 3:45

Tgt Ion: 63 Resp: 3894
Ion Ratio Lower Upper
63 100
65 239.4 25.0 37.4#

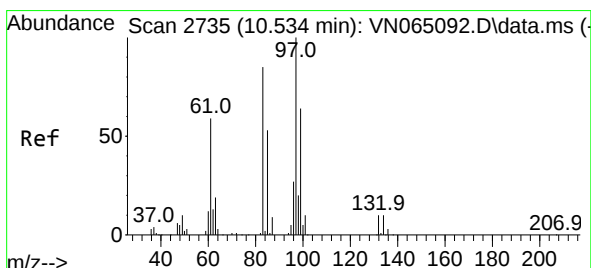
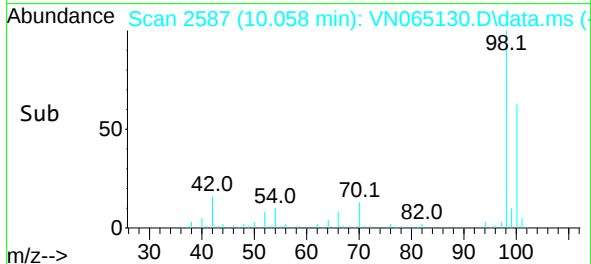
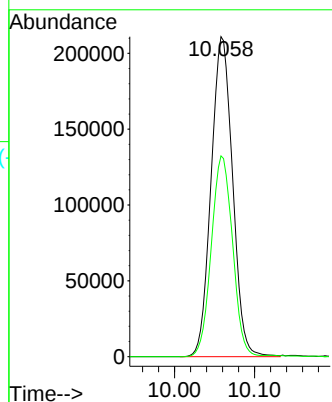
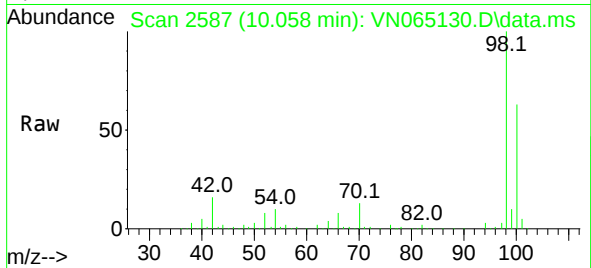




#50
Toluene-d8
Concen: 52.48 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065130.D
Acq: 15 Dec 2020 3:45

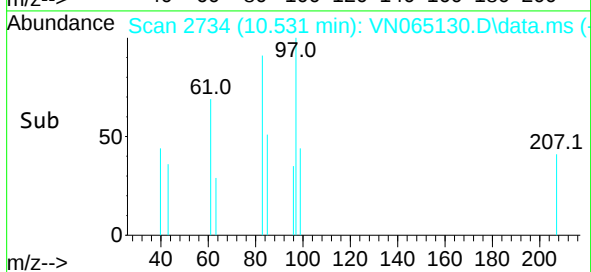
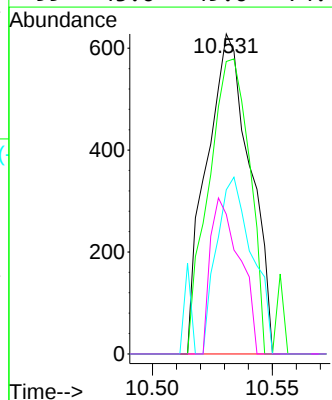
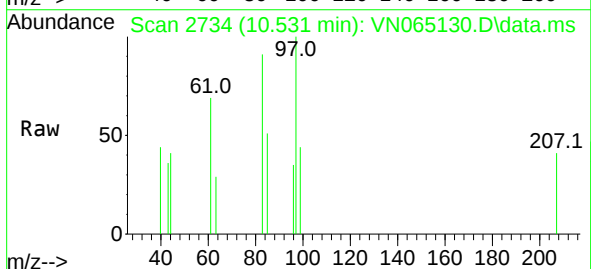
Instrument :
MSVOA_N
ClientSampled :

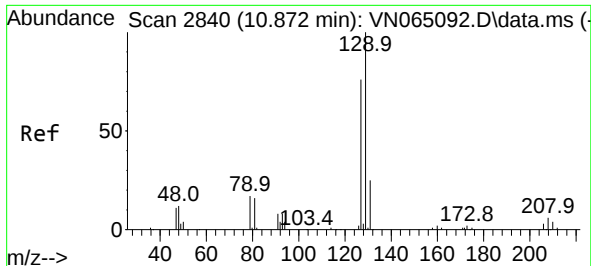
Tgt Ion: 98 Resp: 393656
Ion Ratio Lower Upper
98 100
100 62.0 51.7 77.5



#55
1,1,2-Trichloroethane
Concen: 0.37 ug/l
RT: 10.531 min Scan# 2734
Delta R.T. -0.003 min
Lab File: VN065130.D
Acq: 15 Dec 2020 3:45

Tgt Ion: 97 Resp: 793
Ion Ratio Lower Upper
97 100
83 91.4 72.1 108.1
85 51.3 46.8 70.2
99 43.6 49.6 74.4#

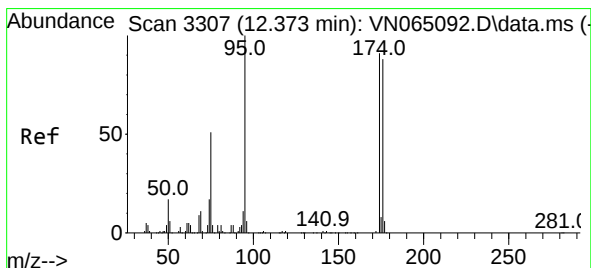
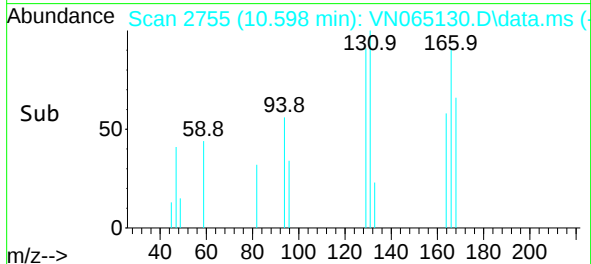
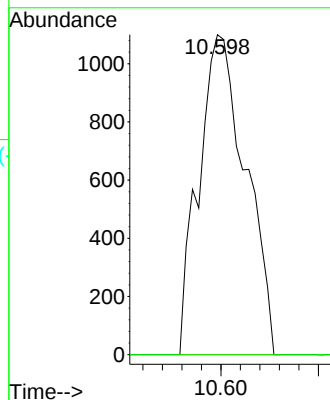
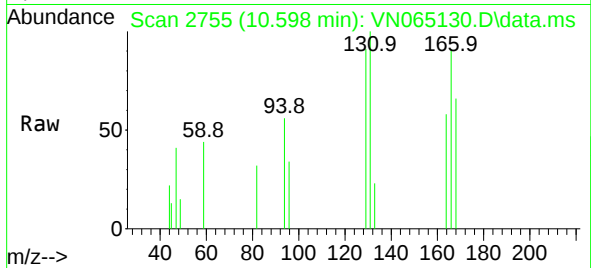




#60
Dibromochloromethane
Concen: 0.73 ug/l
RT: 10.598 min Scan# 2755
Delta R.T. -0.274 min
Lab File: VN065130.D
Acq: 15 Dec 2020 3:45

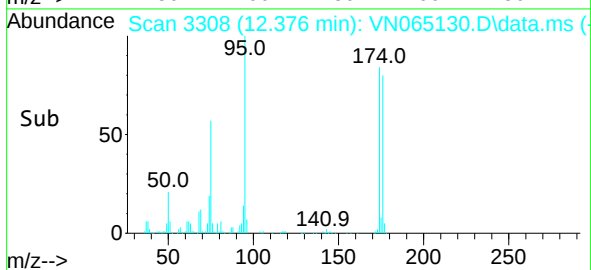
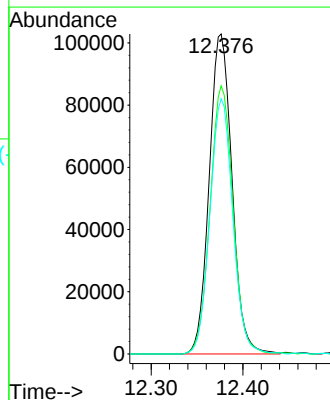
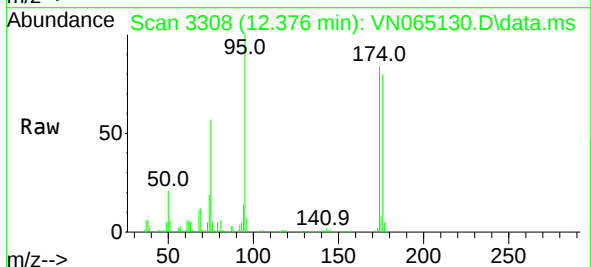
Instrument :
MSVOA_N
ClientSampleId :

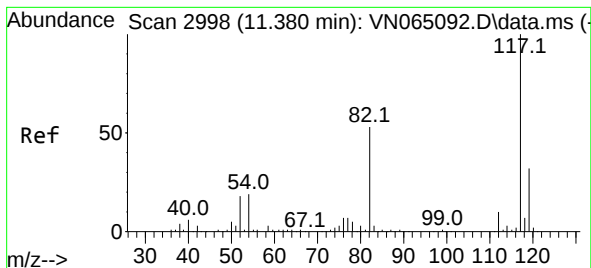
Tgt Ion:129 Resp: 1839
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#



#62
4-Bromofluorobenzene
Concen: 68.73 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.003 min
Lab File: VN065130.D
Acq: 15 Dec 2020 3:45

Tgt Ion: 95 Resp: 177549
Ion Ratio Lower Upper
95 100
174 84.2 0.0 160.4
176 80.0 0.0 158.4

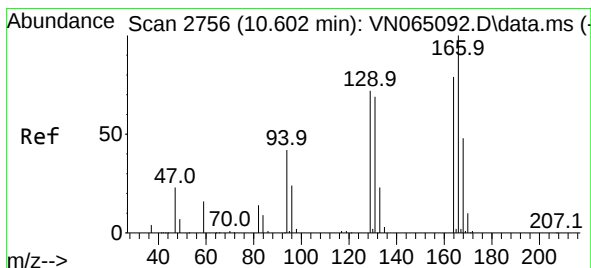
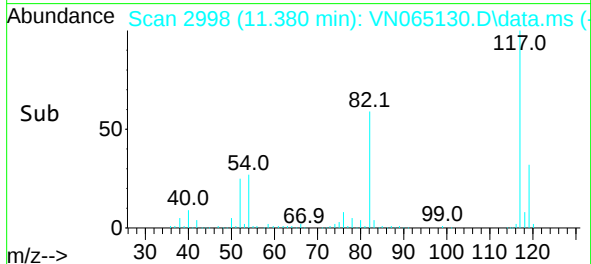
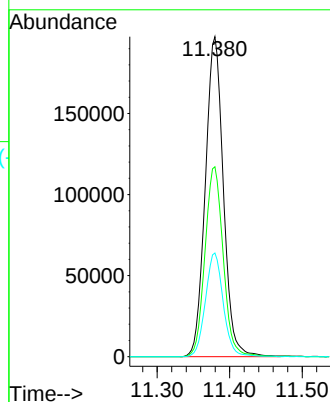
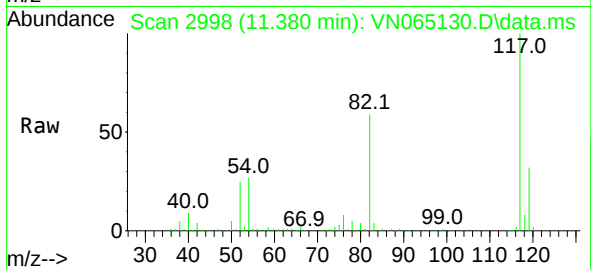




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065130.D
Acq: 15 Dec 2020 3:45

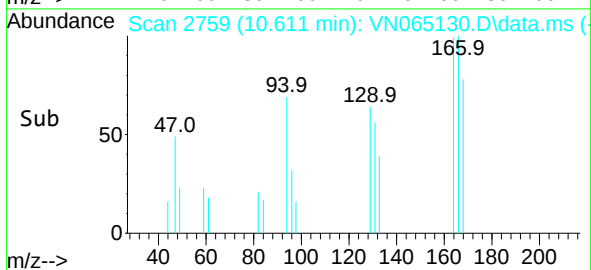
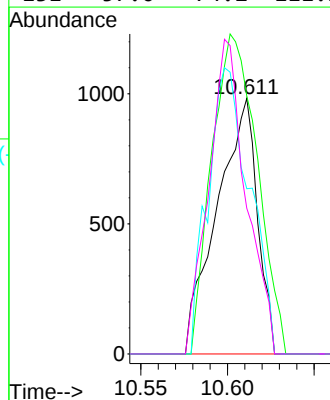
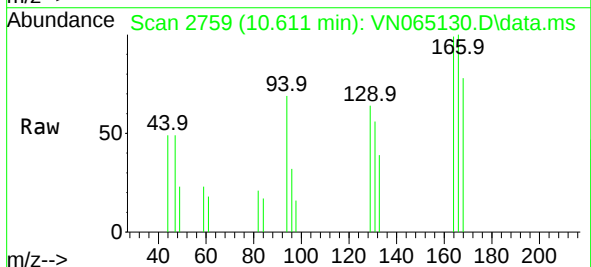
Instrument :
MSVOA_N
ClientSampleId :

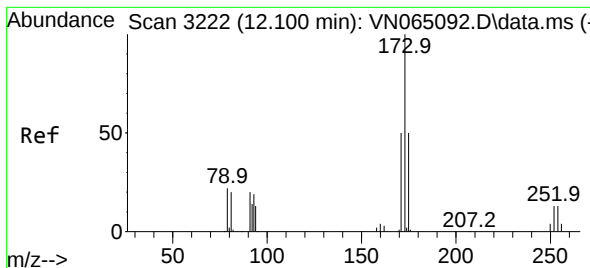
Tgt Ion:117 Resp: 341819
Ion Ratio Lower Upper
117 100
82 59.3 44.2 66.2
119 32.4 25.8 38.6



#64
Tetrachloroethene
Concen: 0.47 ug/l
RT: 10.611 min Scan# 2759
Delta R.T. 0.009 min
Lab File: VN065130.D
Acq: 15 Dec 2020 3:45

Tgt Ion:164 Resp: 1587
Ion Ratio Lower Upper
164 100
166 101.0 101.4 152.0#
129 64.7 76.1 114.1#
131 57.0 74.2 111.2#





#71

Bromoform

Concen: 0.78 ug/l

RT: 12.376 min Scan# 3308

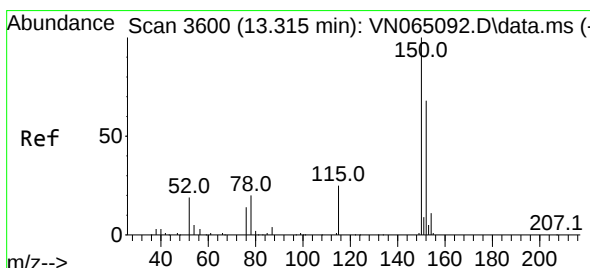
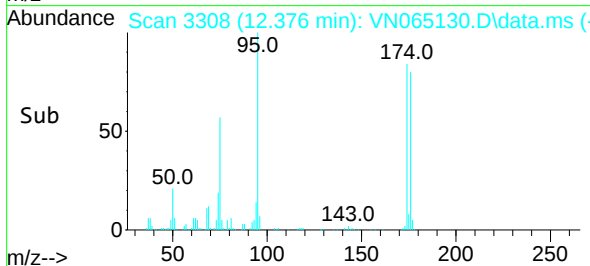
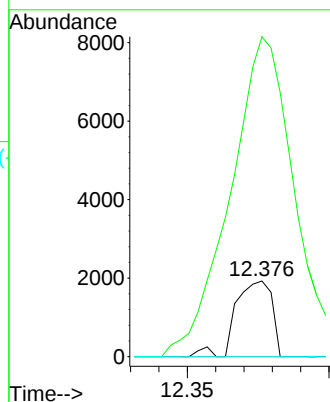
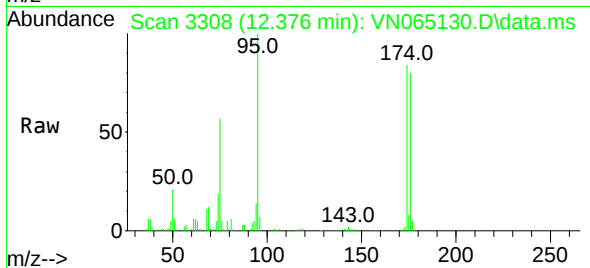
Delta R.T. 0.276 min

Lab File: VN065130.D

Acq: 15 Dec 2020 3:45

Tgt Ion:	173	Resp:	1700
Ion Ratio	Lower	Upper	
173	100		
175	642.4	24.3	72.8#
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

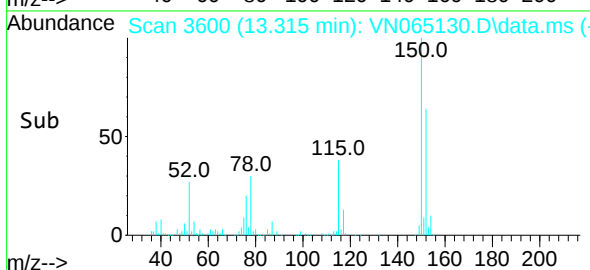
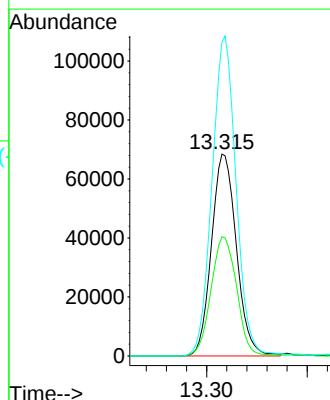
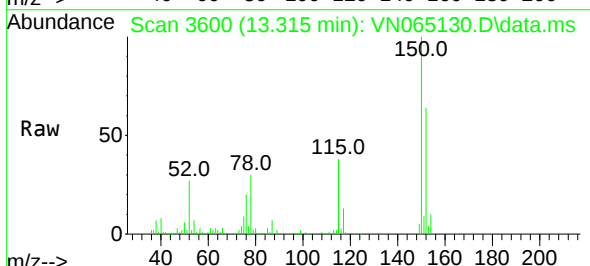
RT: 13.315 min Scan# 3600

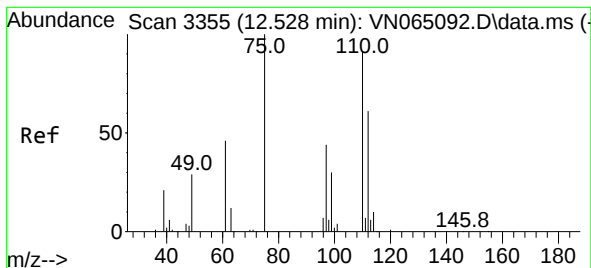
Delta R.T. 0.000 min

Lab File: VN065130.D

Acq: 15 Dec 2020 3:45

Tgt Ion:	152	Resp:	117905
Ion Ratio	Lower	Upper	
152	100		
115	60.6	29.7	89.1
150	152.7	0.0	350.6





#76

1,2,3-Trichloropropane

Concen: 47.25 ug/l

RT: 12.376 min Scan# 3308

Delta R.T. -0.152 min

Lab File: VN065130.D

Acq: 15 Dec 2020 3:45

Tgt Ion: 75 Resp: 99965

Ion Ratio Lower Upper

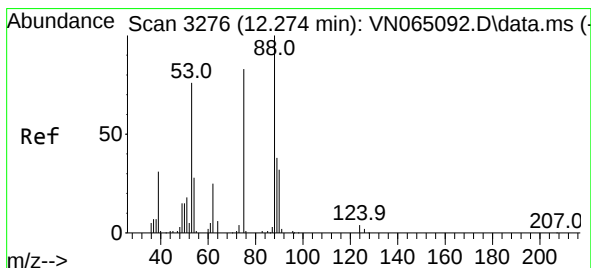
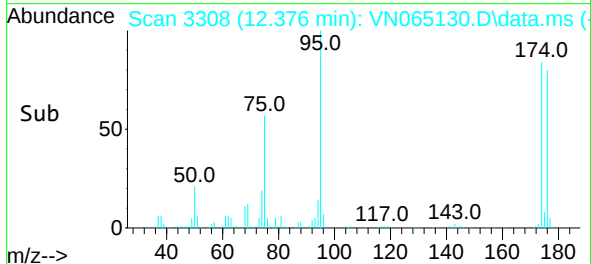
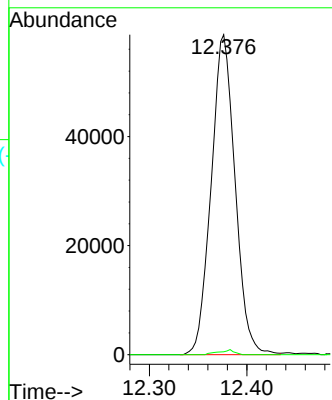
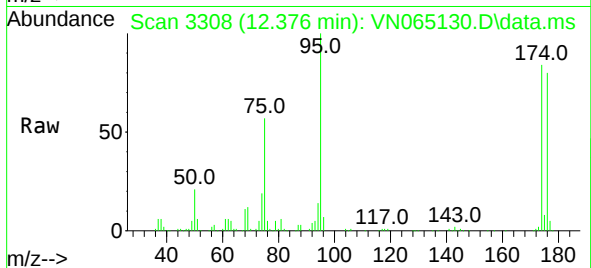
75 100

77 1.0 0.0 0.0#

Instrument :

MSVOA_N

ClientSampled :



#81

trans-1,4-Dichloro-2-butene

Concen: 131.48 ug/l

RT: 12.376 min Scan# 3308

Delta R.T. 0.102 min

Lab File: VN065130.D

Acq: 15 Dec 2020 3:45

Tgt Ion: 75 Resp: 99965

Ion Ratio Lower Upper

75 100

53 0.1 67.0 100.4#

89 0.0 39.6 59.4#

