

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121420\
 Data File : VN065120.D
 Acq On : 14 Dec 2020 23:48
 Operator : JC/MD
 Sample : L5053-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-20201209

Quant Time: Dec 15 06:42:36 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	257925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	449816	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	472668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	201996	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	171601	57.87	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	115.74%
35) Dibromofluoromethane	7.550	113	153862	49.21	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.42%
50) Toluene-d8	10.058	98	561401	50.78	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.56%
62) 4-Bromofluorobenzene	12.376	95	209532	55.03	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.06%

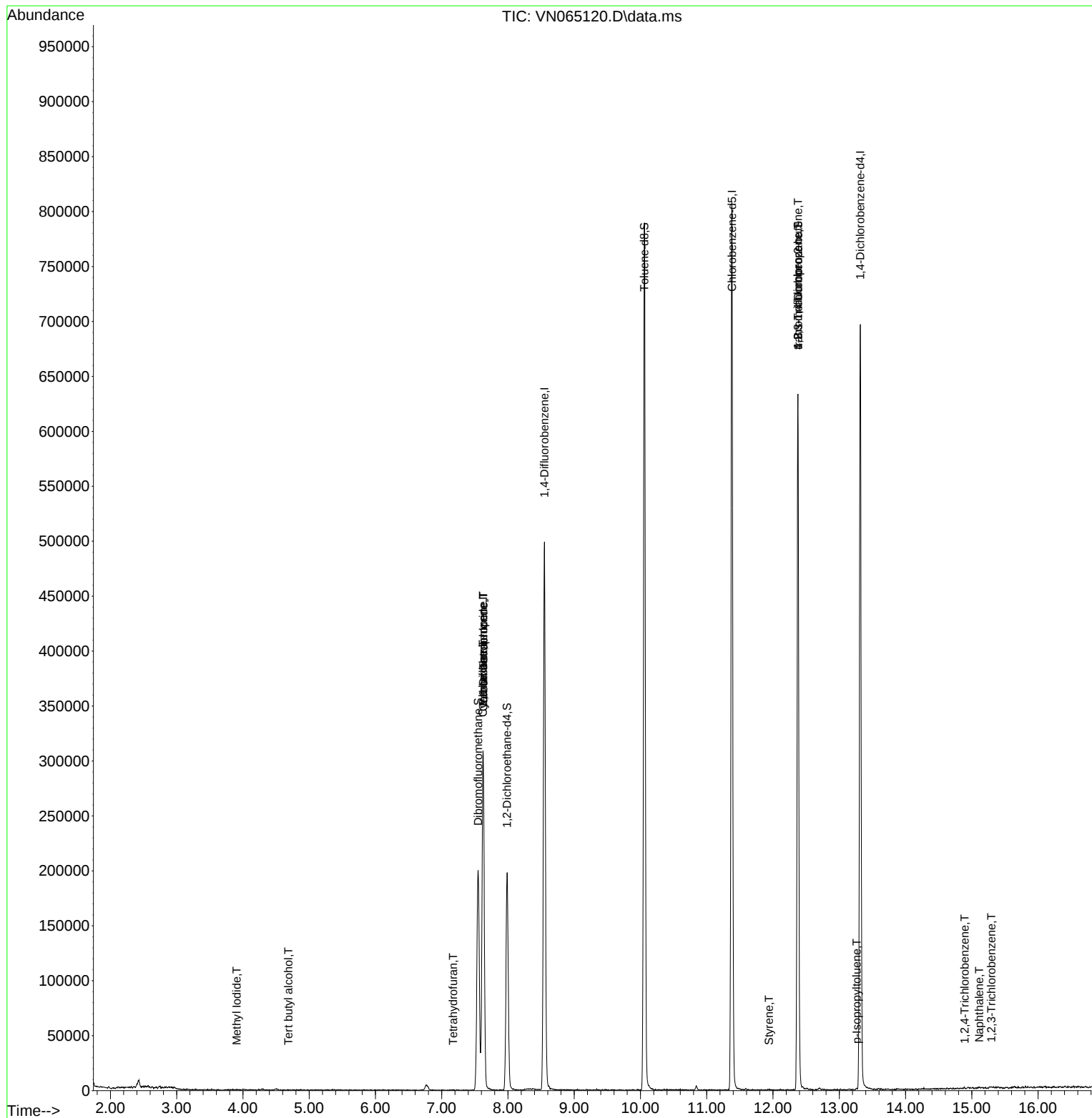
Target Compounds						Qvalue
3) Chloromethane	2.036	50	247	Below Cal	#	41
5) Bromomethane	2.544	94	380	Below Cal	#	3
10) Methyl Iodide	3.907	142	267	4.01	ug/l #	53
11) Tert butyl alcohol	4.685	59	64	0.20	ug/l #	73
20) Methylene Chloride	4.492	84	614	Below Cal	#	34
29) Tetrahydrofuran	7.174	42	191	0.22	ug/l #	32
31) Cyclohexane	7.621	56	4900	1.22	ug/l #	1
36) 1,1-Dichloropropene	7.624	75	17812	4.15	ug/l #	46
38) Carbon Tetrachloride	7.627	117	23191	4.68	ug/l #	16
70) Styrene	11.939	104	214	1.40	ug/l #	83
76) 1,2,3-Trichloropropane	12.376	75	106317	29.33	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	106317	81.62	ug/l #	15
86) p-Isopropyltoluene	13.264	119	406	1.10	ug/l #	51
93) 1,2,4-Trichlorobenzene	14.894	180	74	3.75	ug/l #	1
95) Naphthalene	15.113	128	327	4.25	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.296	180	122	4.04	ug/l #	1

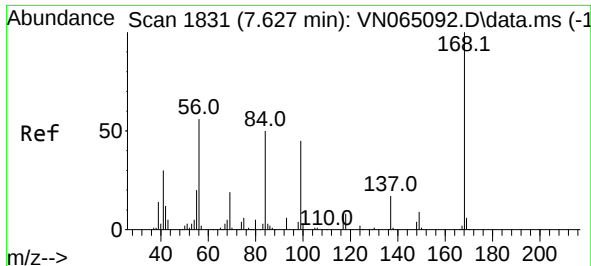
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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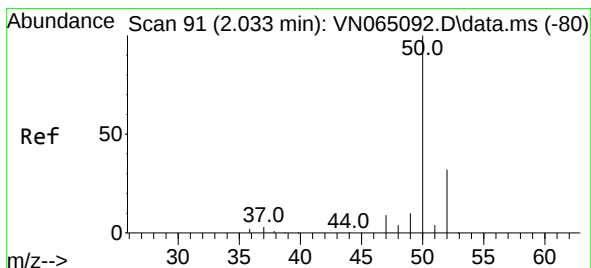
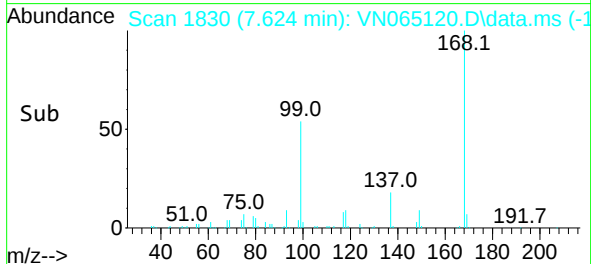
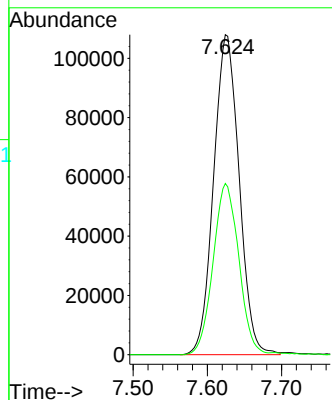
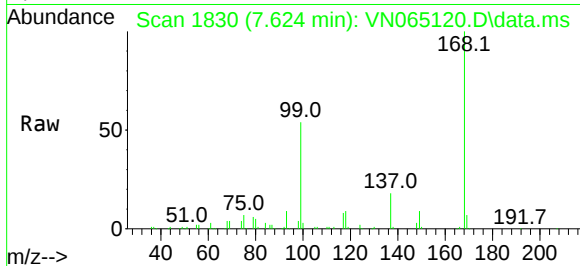




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.003 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

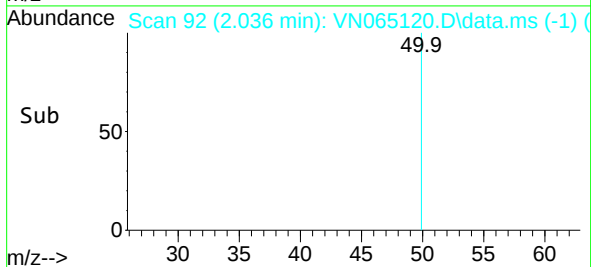
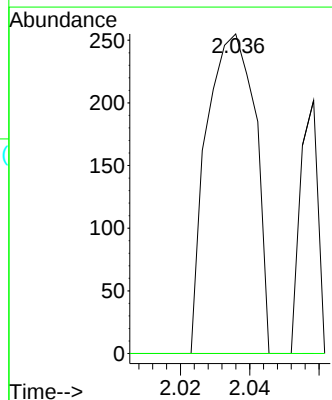
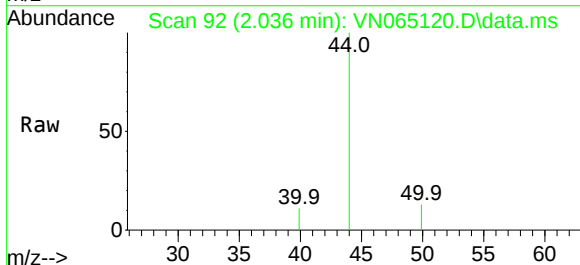
Instrument :
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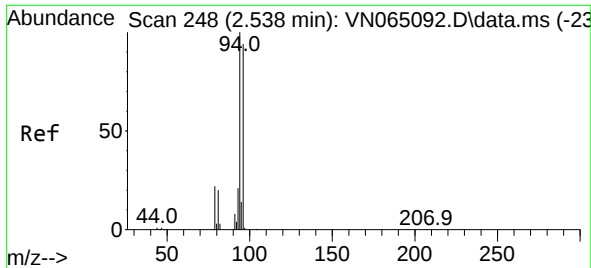
Tgt Ion:168 Resp: 257925
Ion Ratio Lower Upper
168 100
99 53.5 43.0 64.4



#3
Chloromethane
Concen: Below Cal
RT: 2.036 min Scan# 92
Delta R.T. 0.003 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

Tgt Ion: 50 Resp: 247
Ion Ratio Lower Upper
50 100
52 0.0 26.6 39.8#

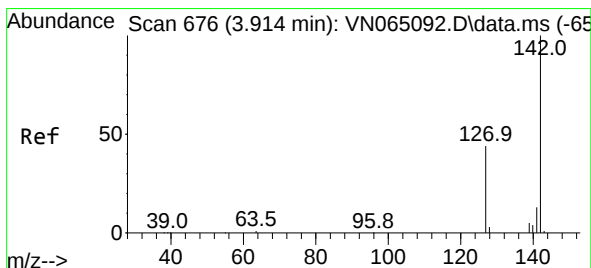
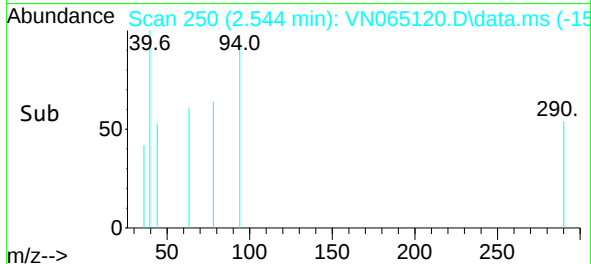
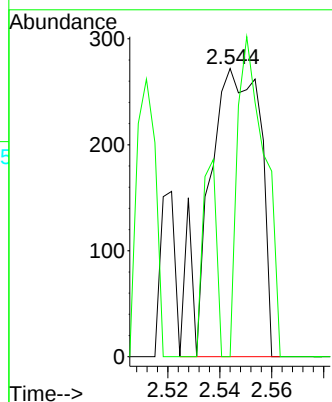
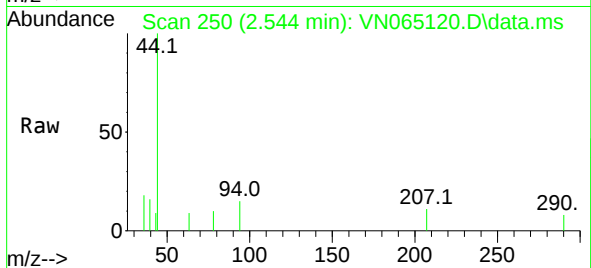




#5
Bromomethane
Concen: Below Cal
RT: 2.544 min Scan# 250
Delta R.T. 0.006 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

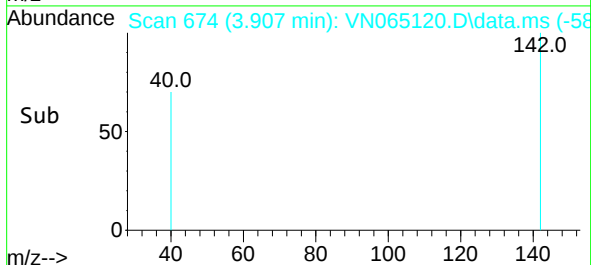
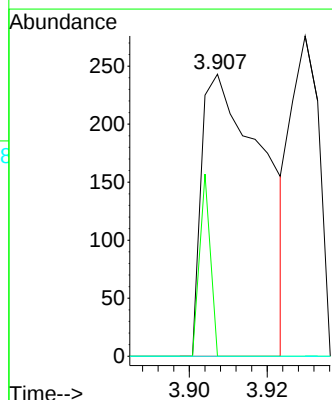
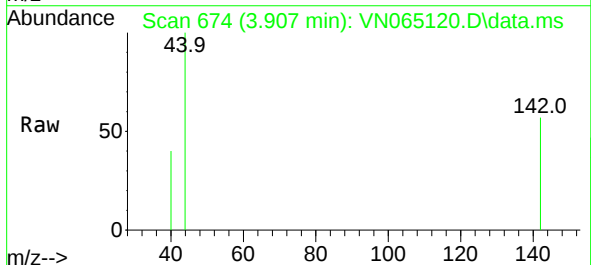
Instrument :
MSVOA_N
ClientSampleId :
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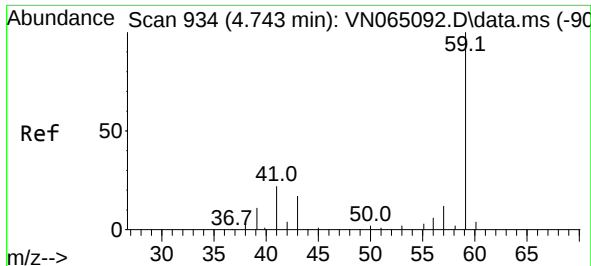
Tgt Ion: 94 Resp: 380
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#10
Methyl Iodide
Concen: 4.01 ug/l
RT: 3.907 min Scan# 674
Delta R.T. -0.007 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

Tgt Ion: 142 Resp: 267
Ion Ratio Lower Upper
142 100
127 11.2 35.0 52.6#
141 0.0 11.8 17.6#

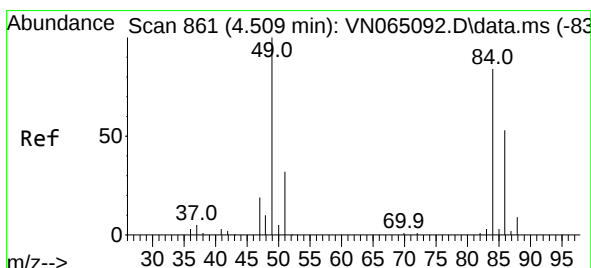
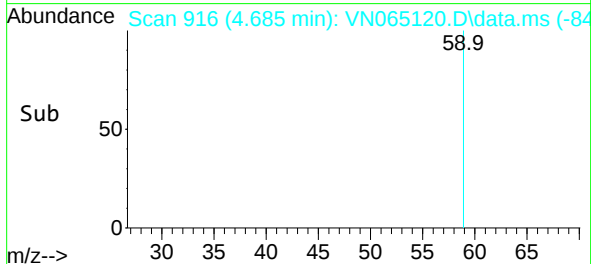
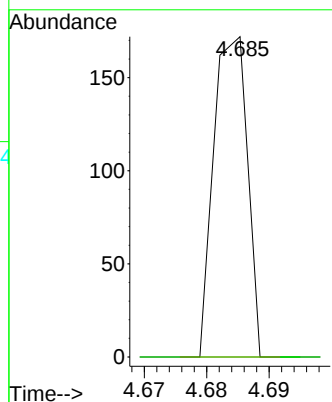
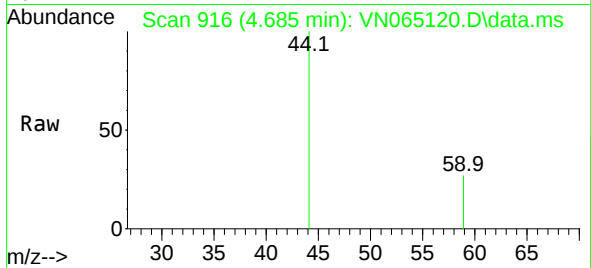




#11
Tert butyl alcohol
Concen: 0.20 ug/l
RT: 4.685 min Scan# 916
Delta R.T. -0.058 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

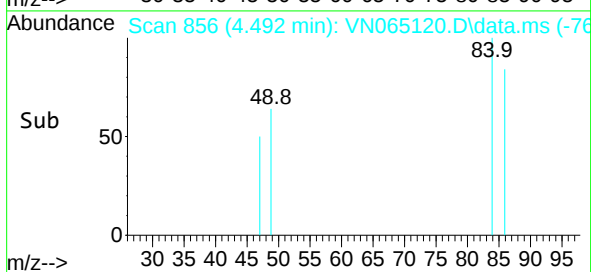
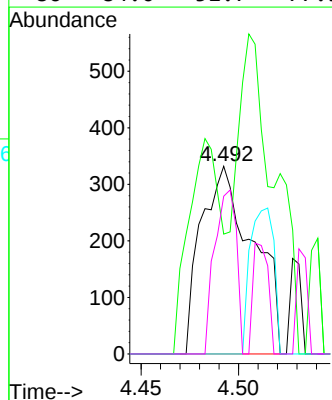
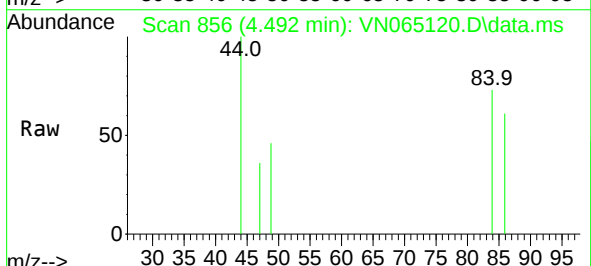
Instrument :
MSVOA_N
ClientSampleId :
TB-20201209

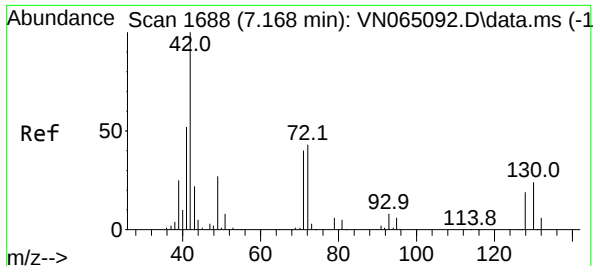
Tgt Ion: 59 Resp: 64
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.492 min Scan# 856
Delta R.T. -0.017 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

Tgt Ion: 84 Resp: 614
Ion Ratio Lower Upper
84 100
49 18.4 93.4 140.0#
51 0.0 28.2 42.4#
86 84.0 51.7 77.5#





#29

Tetrahydrofuran

Concen: 0.22 ug/l

RT: 7.174 min Scan# 1690

Delta R.T. 0.006 min

Lab File: VN065120.D

Acq: 14 Dec 2020 23:48

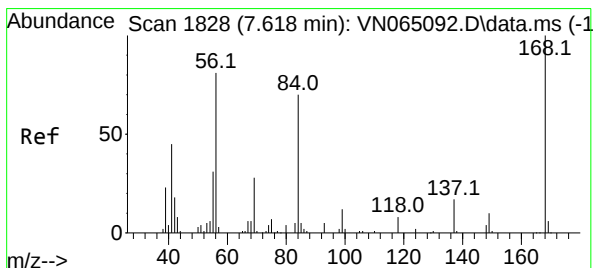
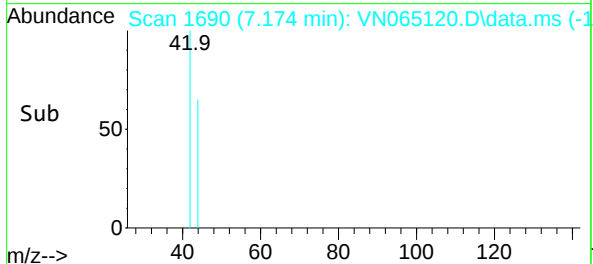
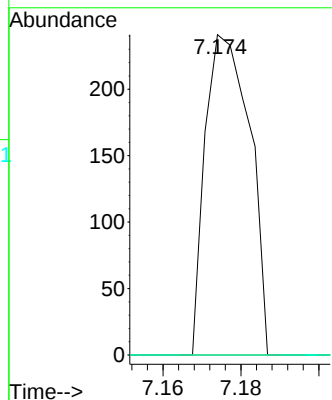
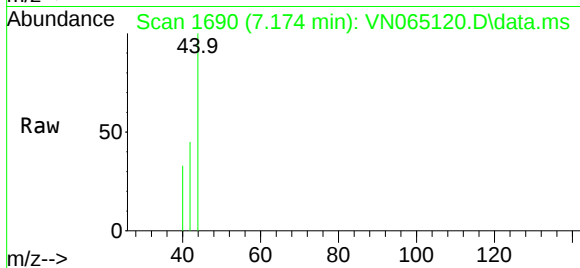
Tgt Ion: 42 Resp: 191

Ion Ratio Lower Upper

42 100

72 0.0 36.6 54.8#

71 0.0 33.6 50.4#



#31

Cyclohexane

Concen: 1.22 ug/l

RT: 7.621 min Scan# 1829

Delta R.T. 0.003 min

Lab File: VN065120.D

Acq: 14 Dec 2020 23:48

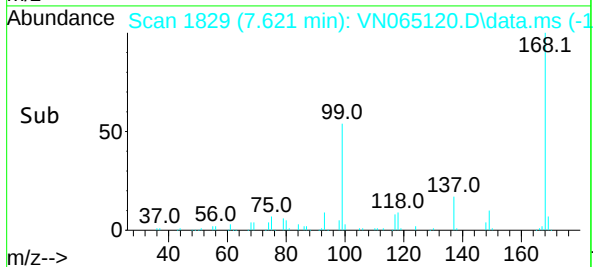
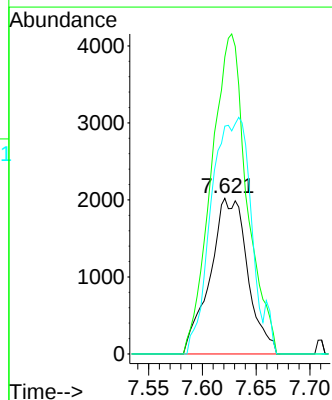
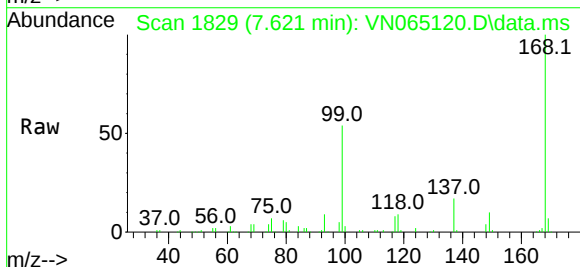
Tgt Ion: 56 Resp: 4900

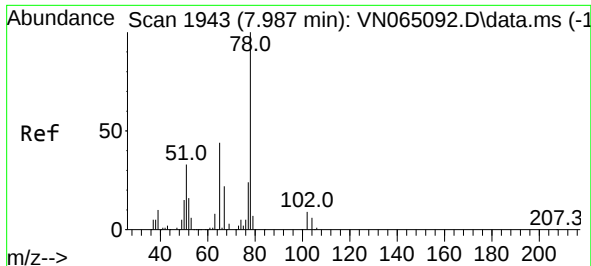
Ion Ratio Lower Upper

56 100

69 190.7 27.5 41.3#

84 146.4 73.9 110.9#

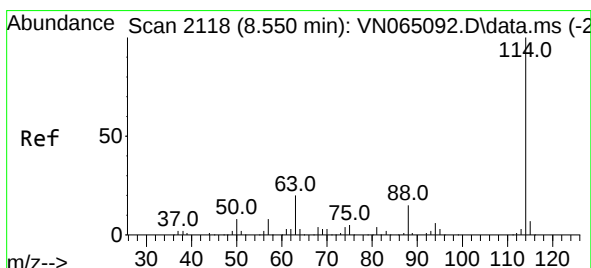
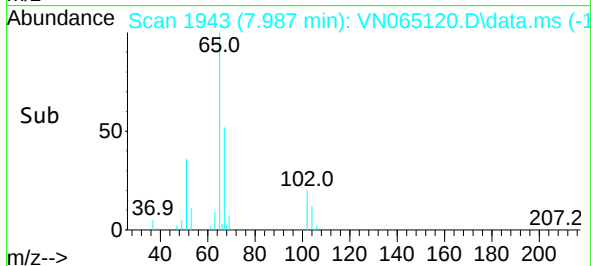
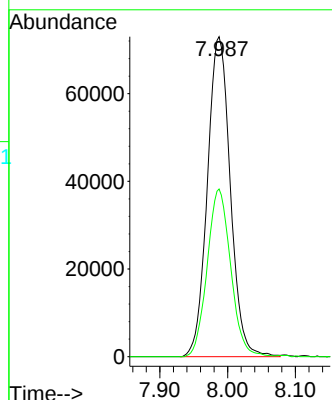
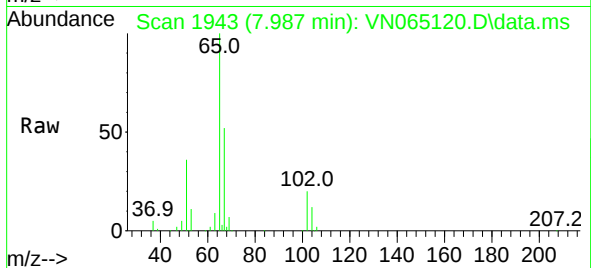




#33
1,2-Dichloroethane-d4
Concen: 57.87 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

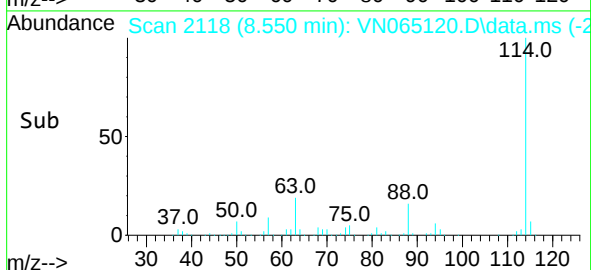
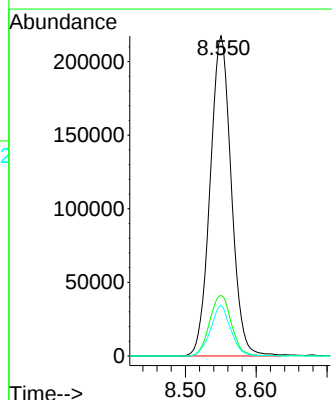
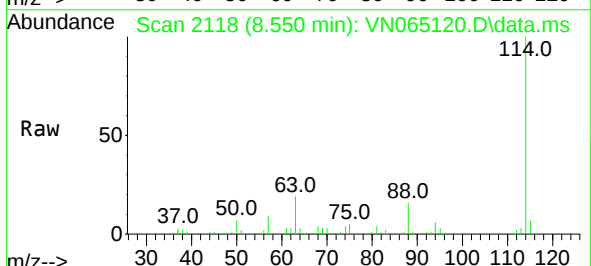
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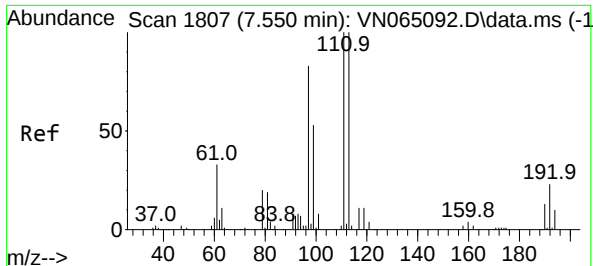
Tgt Ion: 65 Resp: 171601
Ion Ratio Lower Upper
65 100
67 53.6 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

Tgt Ion: 114 Resp: 449816
Ion Ratio Lower Upper
114 100
63 18.9 0.0 38.6
88 15.8 0.0 32.6

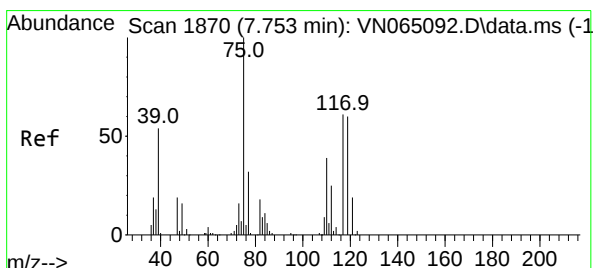
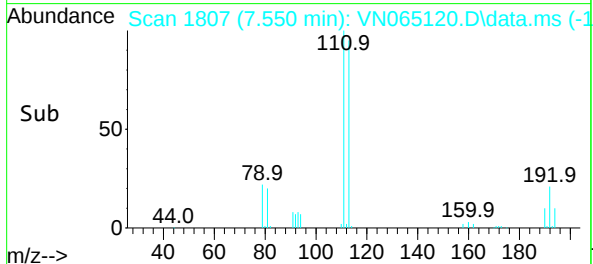
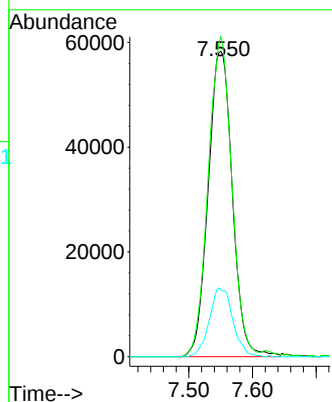
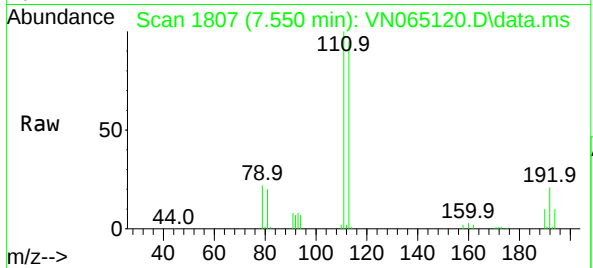




#35
Dibromofluoromethane
Concen: 49.21 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

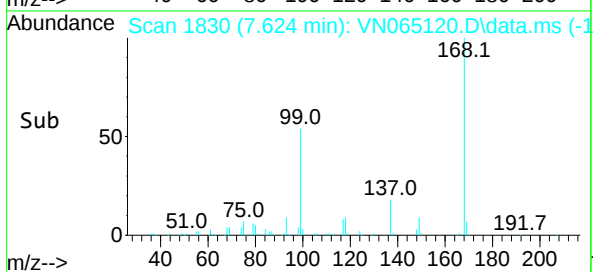
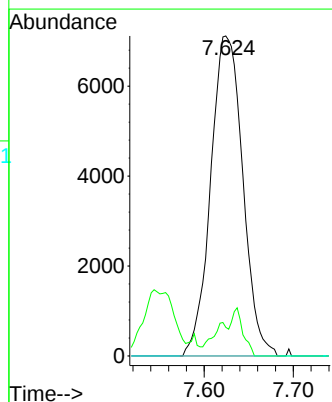
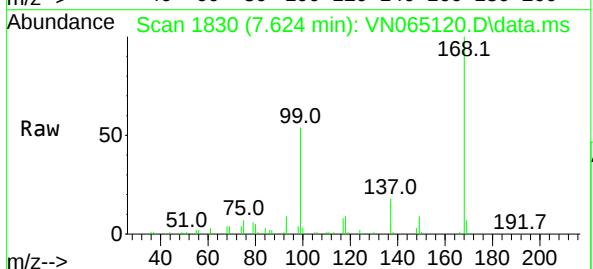
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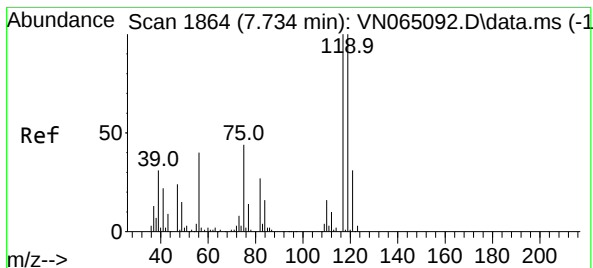
Tgt Ion:113 Resp: 153862
Ion Ratio Lower Upper
113 100
111 102.1 81.6 122.4
192 21.8 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.15 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.129 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

Tgt Ion: 75 Resp: 17812
Ion Ratio Lower Upper
75 100
110 5.4 17.8 53.3#
77 0.0 25.0 37.4#

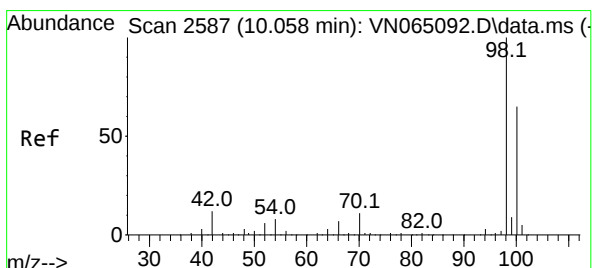
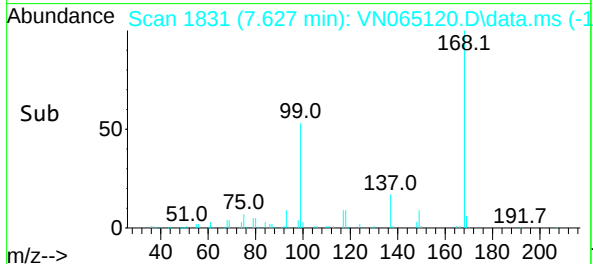
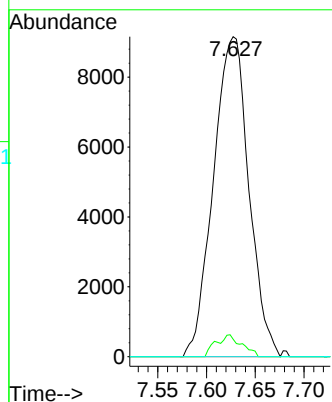
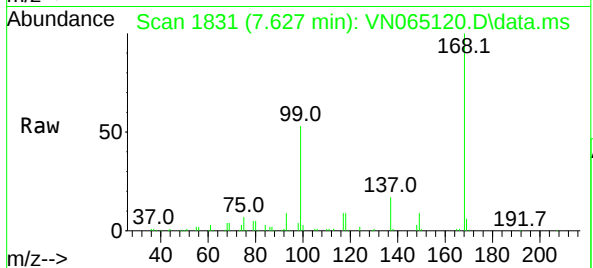




#38
Carbon Tetrachloride
Concen: 4.68 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.107 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

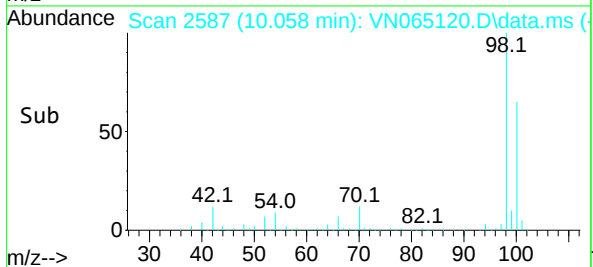
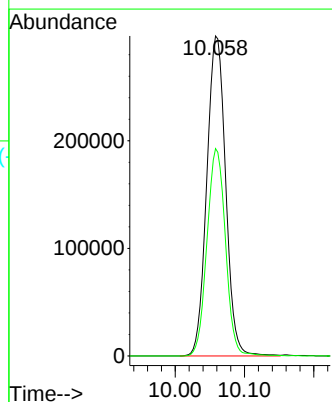
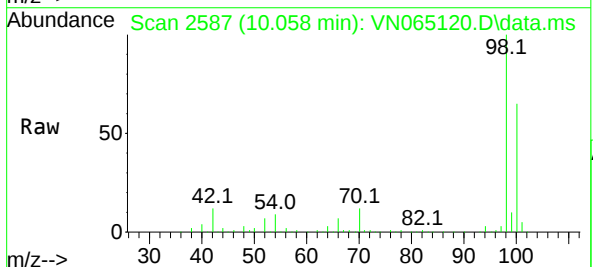
Instrument :
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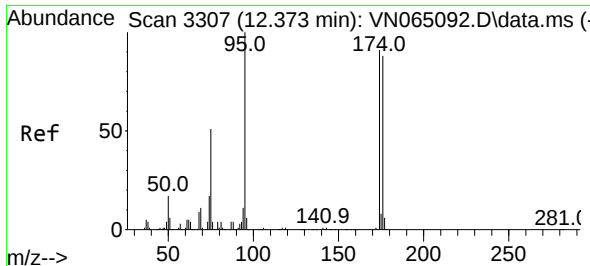
Tgt Ion:117 Resp: 23191
Ion Ratio Lower Upper
117 100
119 5.4 76.7 115.1#
121 0.0 25.4 38.2#



#50
Toluene-d8
Concen: 50.78 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

Tgt Ion: 98 Resp: 561401
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5

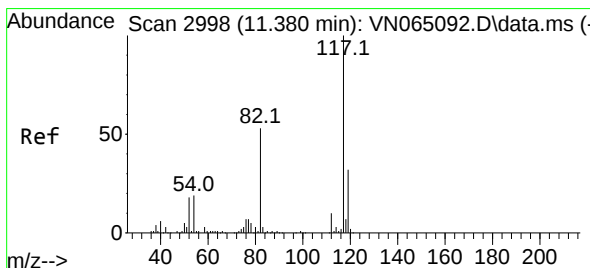
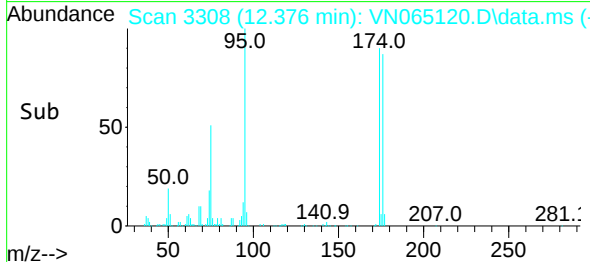
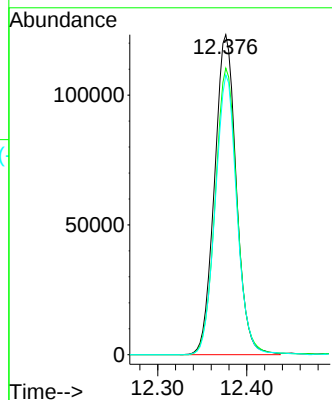
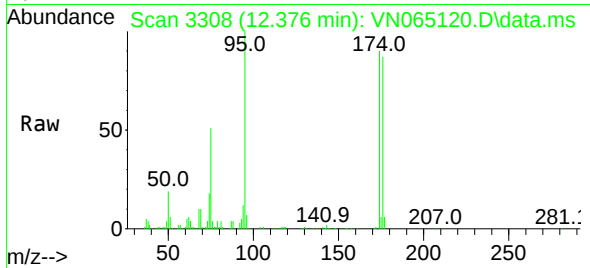




#62
4-Bromofluorobenzene
Concen: 55.03 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.003 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

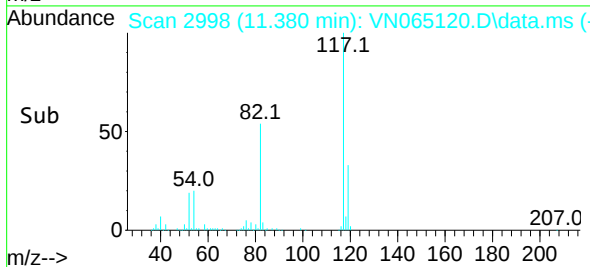
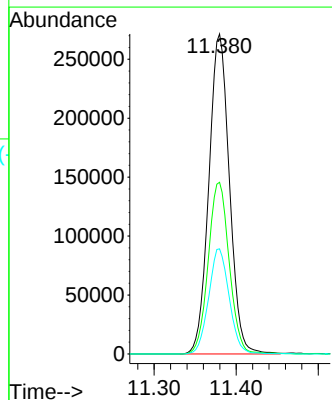
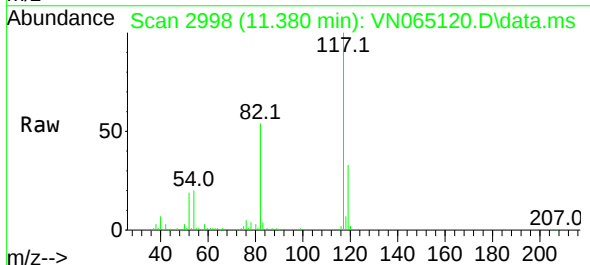
Instrument :
MSVOA_N
ClientSampleId :
TB-20201209

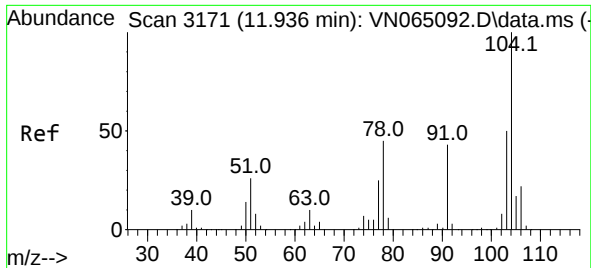
Tgt Ion: 95 Resp: 209532
Ion Ratio Lower Upper
95 100
174 90.1 0.0 160.4
176 86.8 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

Tgt Ion: 117 Resp: 472668
Ion Ratio Lower Upper
117 100
82 53.7 44.2 66.2
119 32.9 25.8 38.6

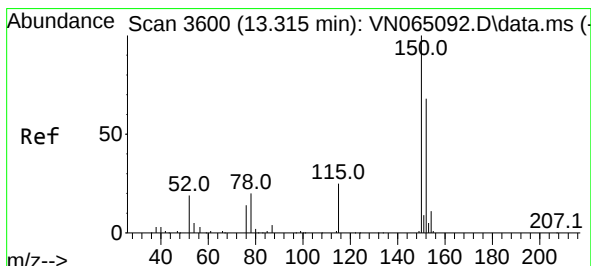
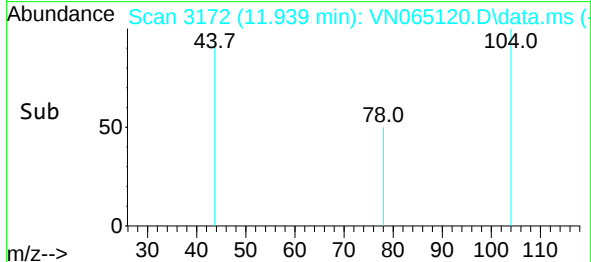
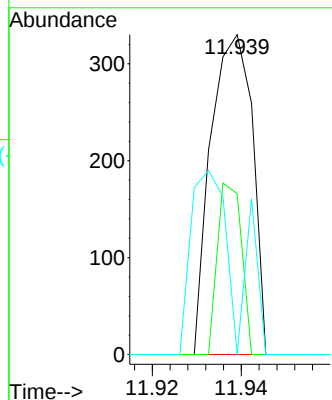
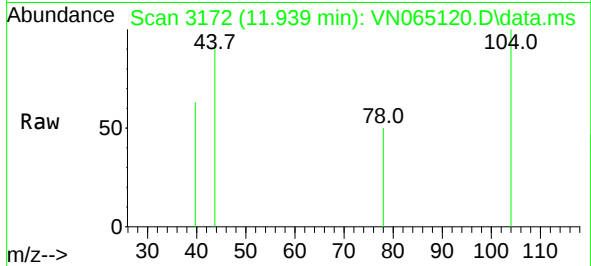




#70
Styrene
Concen: 1.40 ug/l
RT: 11.939 min Scan# 3172
Delta R.T. 0.003 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

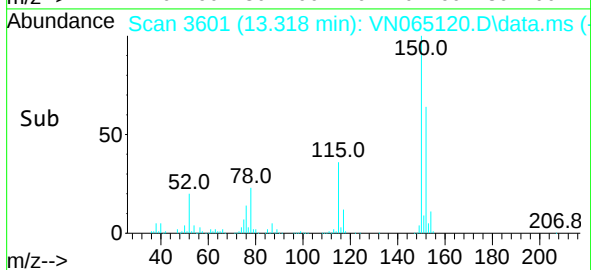
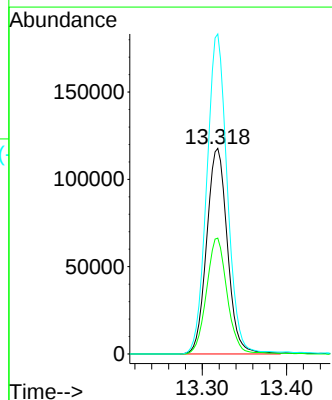
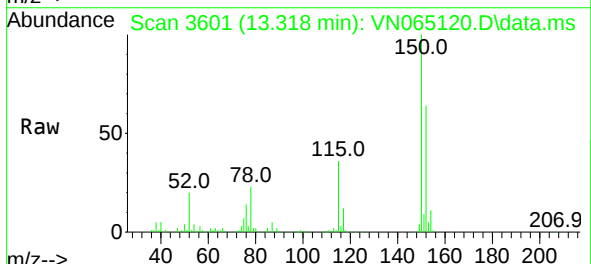
Instrument :
MSVOA_N
ClientSampleId :
TB-20201209

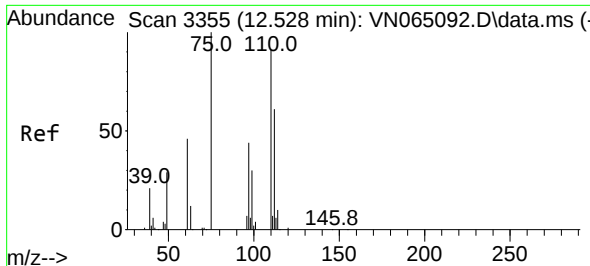
Tgt Ion:104 Resp: 214
Ion Ratio Lower Upper
104 100
78 30.8 39.0 58.6#
103 61.7 44.3 66.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.003 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

Tgt Ion:152 Resp: 201996
Ion Ratio Lower Upper
152 100
115 56.2 29.7 89.1
150 154.0 0.0 350.6

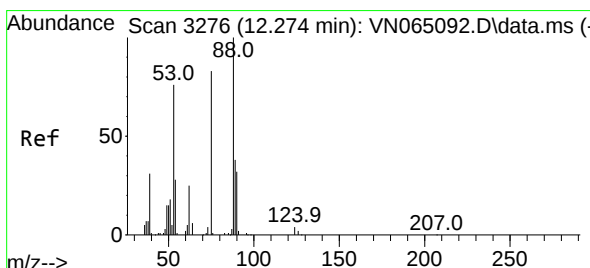
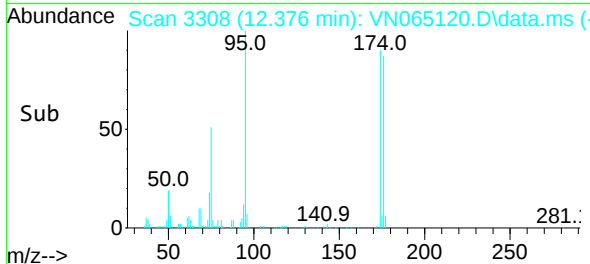
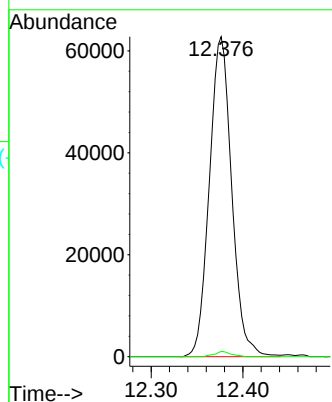
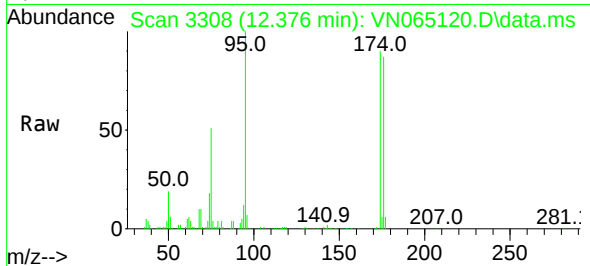




#76
1,2,3-Trichloropropane
Concen: 29.33 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.152 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

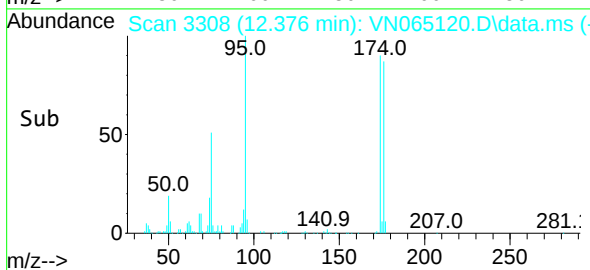
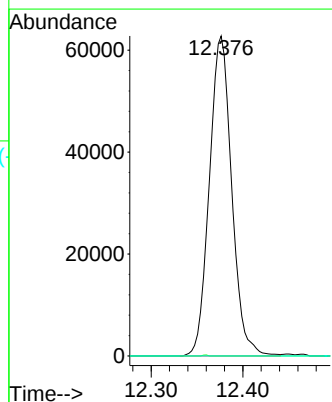
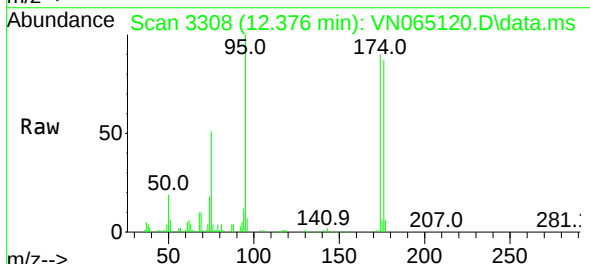
Instrument :
MSVOA_N
ClientSampleId :
TB-20201209

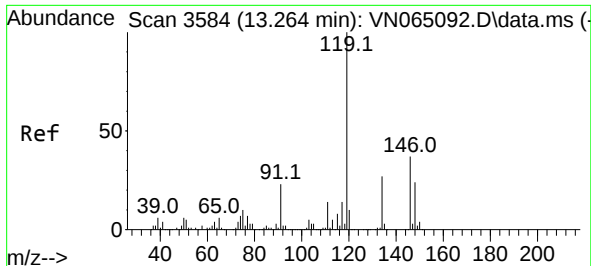
Tgt Ion: 75 Resp: 106317
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.62 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.102 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

Tgt Ion: 75 Resp: 106317
Ion Ratio Lower Upper
75 100
53 0.1 67.0 100.4#
89 0.0 39.6 59.4#

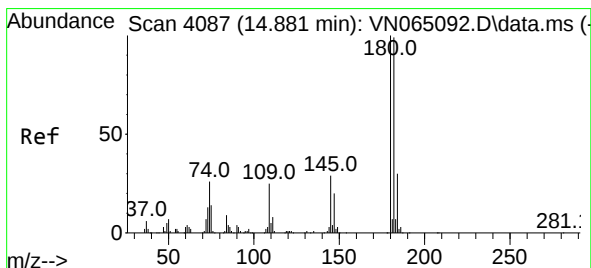
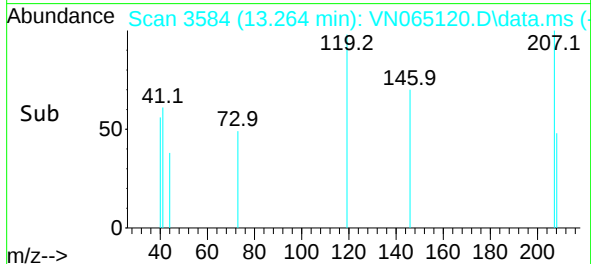
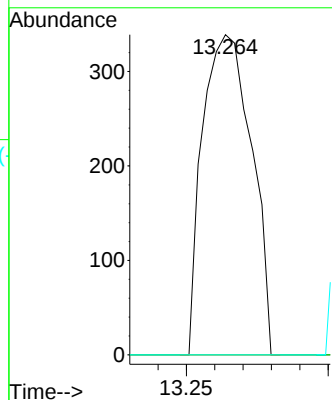
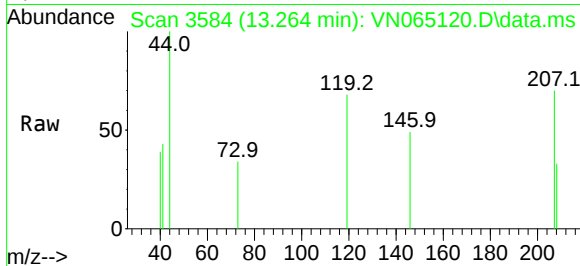




#86
p-Isopropyltoluene
Concen: 1.10 ug/l
RT: 13.264 min Scan# 3584
Delta R.T. -0.000 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

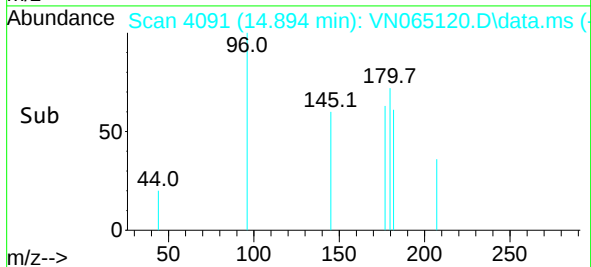
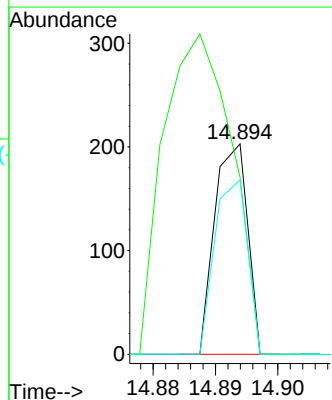
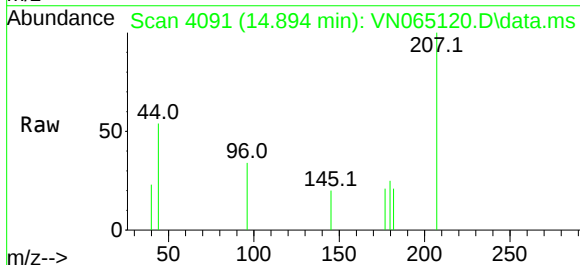
Instrument :
MSVOA_N
ClientSampleId :
TB-20201209

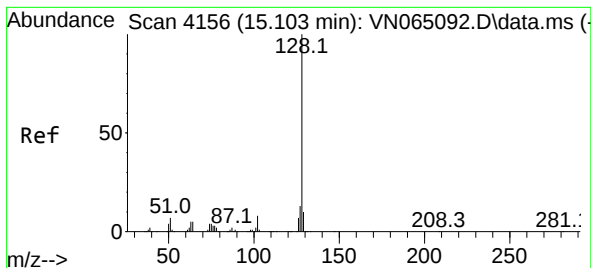
Tgt Ion:119 Resp: 406
Ion Ratio Lower Upper
119 100
134 0.0 13.1 39.1#
91 0.0 11.5 34.5#



#93
1,2,4-Trichlorobenzene
Concen: 3.75 ug/l
RT: 14.894 min Scan# 4091
Delta R.T. 0.013 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

Tgt Ion:180 Resp: 74
Ion Ratio Lower Upper
180 100
182 316.2 47.6 142.9#
145 82.4 15.3 45.8#

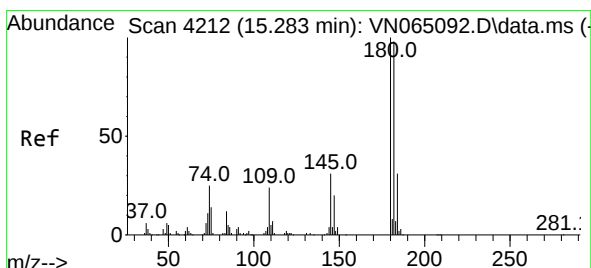
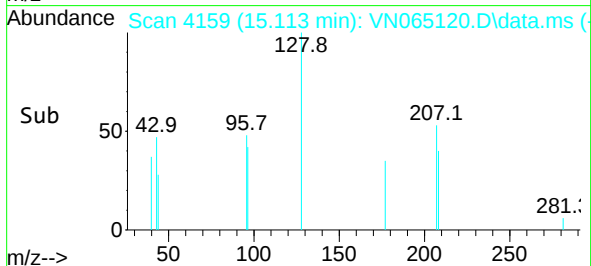
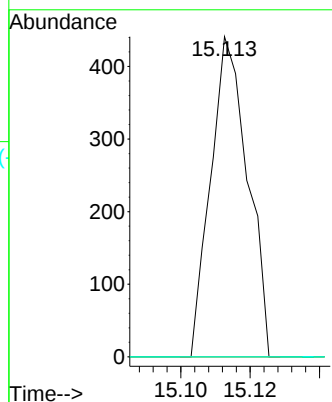
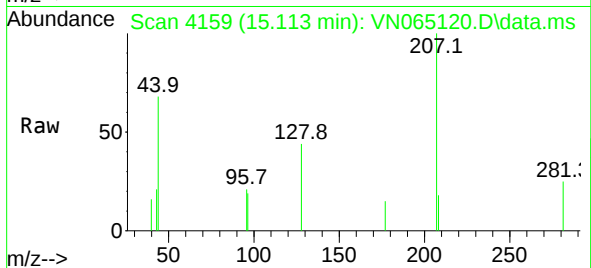




#95
Naphthalene
Concen: 4.25 ug/l
RT: 15.113 min Scan# 4159
Delta R.T. 0.010 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

Instrument :
MSVOA_N
ClientSampled :
TB-20201209

Tgt Ion:128 Resp: 327
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 4.04 ug/l
RT: 15.296 min Scan# 4216
Delta R.T. 0.013 min
Lab File: VN065120.D
Acq: 14 Dec 2020 23:48

Tgt Ion:180 Resp: 122
Ion Ratio Lower Upper
180 100
182 291.8 48.1 144.4#
145 0.0 16.4 49.1#

