

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121120\
 Data File : VN065084.D
 Acq On : 11 Dec 2020 21:13
 Operator : JC/MD
 Sample : L5039-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 12 04:24:29 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 12 04:18:15 2020
 Response via : Initial Calibration

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

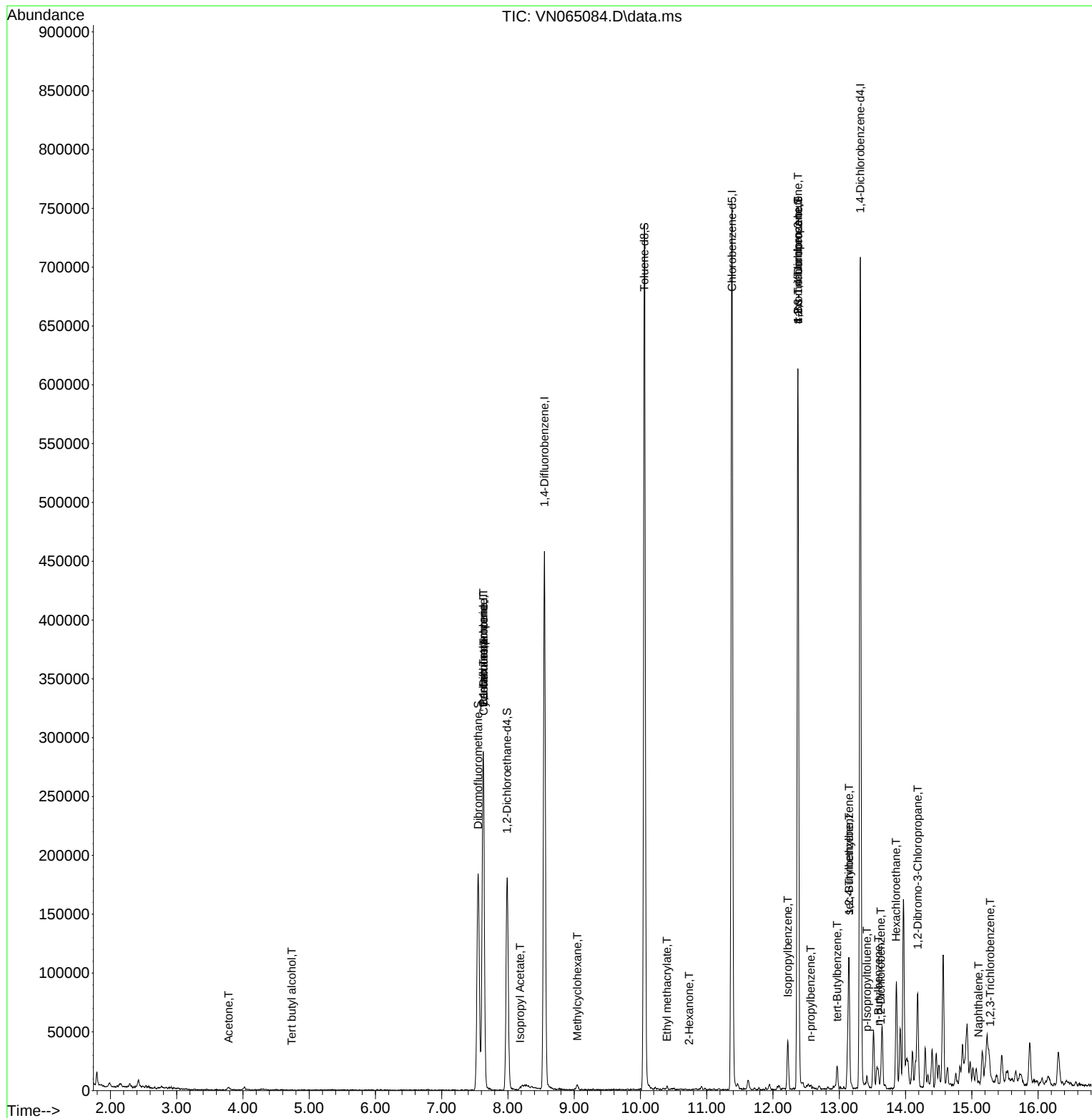
Internal Standards						
1) Pentafluorobenzene	7.627	168	238237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	408626	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	435098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	193094	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	159182	57.48	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	114.96%		
35) Dibromofluoromethane	7.550	113	137817	49.84	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.68%		
50) Toluene-d8	10.058	98	518619	51.68	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.36%		
62) 4-Bromofluorobenzene	12.376	95	202480	57.46	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	114.92%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.737	59	100	0.29	ug/l #	73
16) Acetone	3.782	43	2535	12.27	ug/l	98
20) Methylene Chloride	4.505	84	61	Below Cal	#	8
31) Cyclohexane	7.630	56	6204	1.74	ug/l #	30
36) 1,1-Dichloropropene	7.627	75	17653	4.74	ug/l #	48
38) Carbon Tetrachloride	7.627	117	22821	5.43	ug/l #	16
39) Methylcyclohexane	9.045	83	1545	0.39	ug/l #	88
43) Isopropyl Acetate	8.184	43	1264	0.22	ug/l #	59
56) Ethyl methacrylate	10.399	69	105	2.54	ug/l #	1
59) 2-Hexanone	10.733	43	324	8.71	ug/l #	23
73) Isopropylbenzene	12.225	105	26797	2.16	ug/l	99
76) 1,2,3-Trichloropropane	12.376	75	103614	29.01	ug/l #	100
78) n-propylbenzene	12.569	91	3202	0.23	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.376	75	103614	83.72	ug/l #	15
83) tert-Butylbenzene	12.968	119	9130	1.06	ug/l	92
84) 1,2,4-Trimethylbenzene	13.148	105	67351	6.44	ug/l #	30
85) sec-Butylbenzene	13.148	105	67351	6.07	ug/l	85
86) p-Isopropyltoluene	13.418	119	4858	0.48	ug/l	87
89) n-Butylbenzene	13.588	91	9437	1.12	ug/l #	73
90) Hexachloroethane	13.859	117	5823	2.91	ug/l #	9
91) 1,2-Dichlorobenzene	13.627	146	2611	0.43	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	14.183	75	264	0.35	ug/l #	1
95) Naphthalene	15.100	128	434	4.79	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.280	180	124	4.62	ug/l #	1

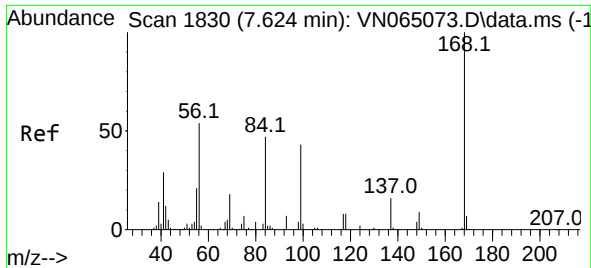
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampled :

Quant Time: Dec 12 04:24:29 2020
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121120W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 12 04:18:15 2020
Response via : Initial Calibration

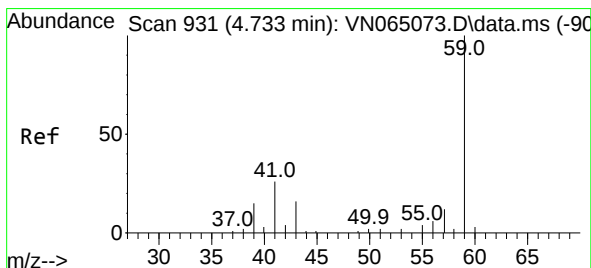
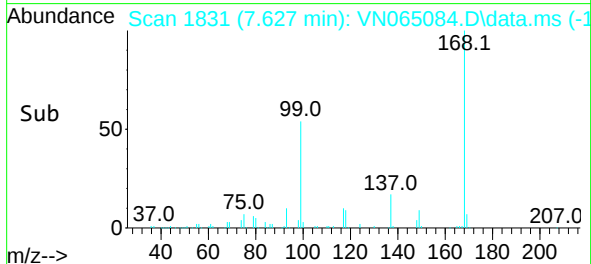
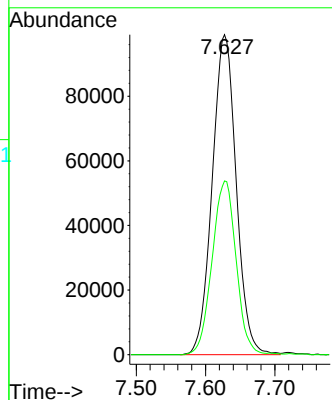
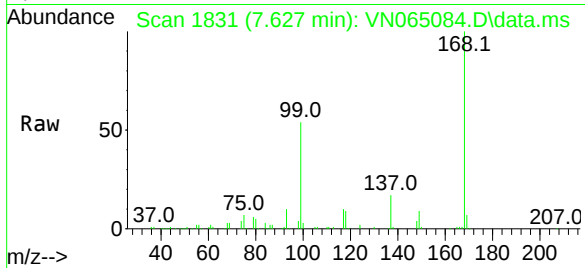




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.003 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

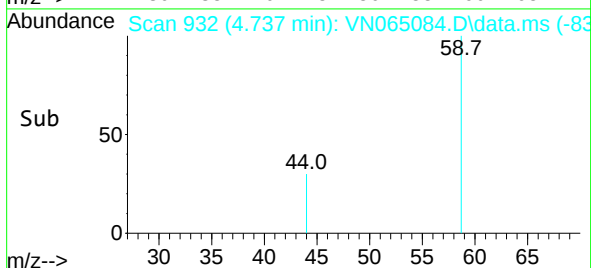
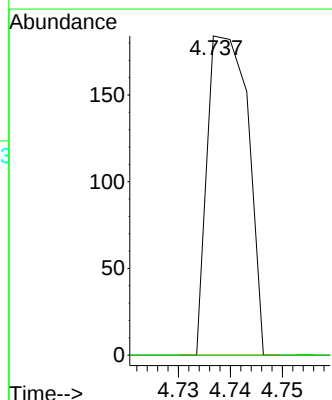
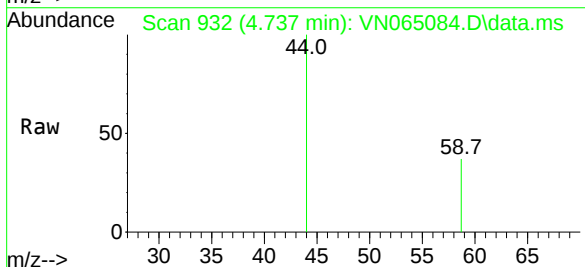
Instrument :
MSVOA_N
ClientSampleId :

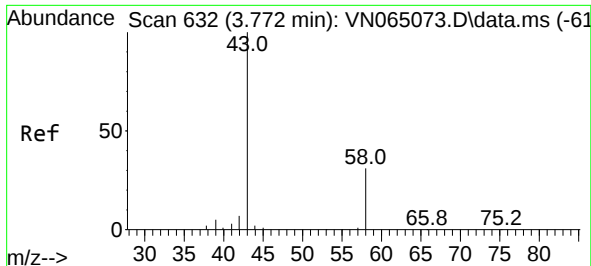
Tgt Ion:168 Resp: 238237
Ion Ratio Lower Upper
168 100
99 54.3 43.0 64.4



#11
Tert butyl alcohol
Concen: 0.29 ug/l
RT: 4.737 min Scan# 932
Delta R.T. 0.004 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

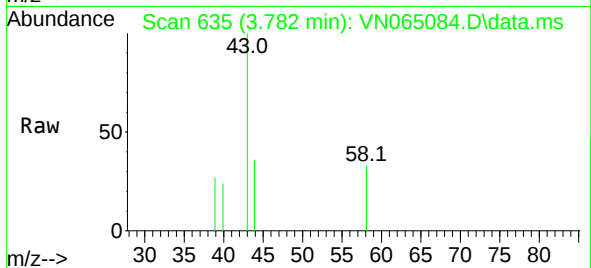
Tgt Ion: 59 Resp: 100
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



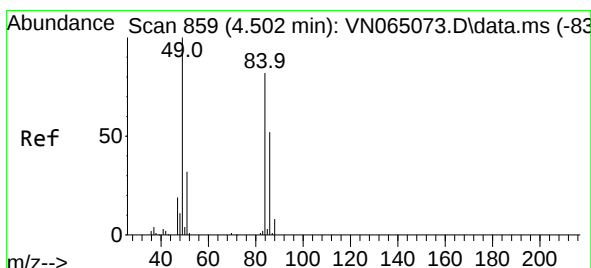
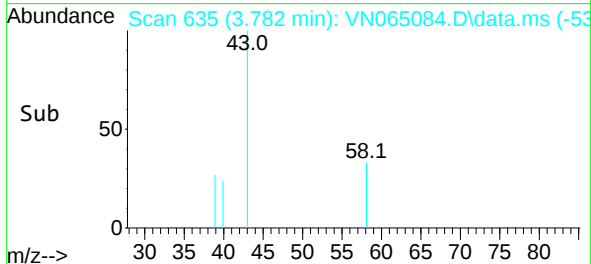
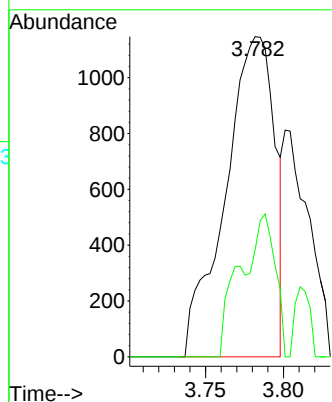


#16
Acetone
Concen: 12.27 ug/l
RT: 3.782 min Scan# 635
Delta R.T. 0.010 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

Instrument :
MSVOA_N
ClientSampleId :

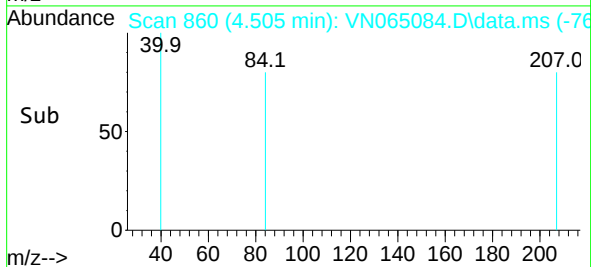
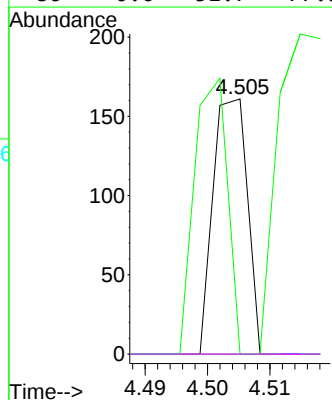
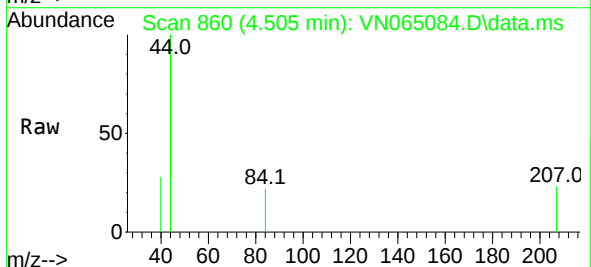


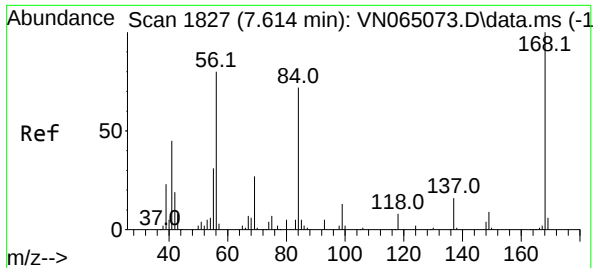
Tgt Ion: 43 Resp: 2535
Ion Ratio Lower Upper
43 100
58 33.3 25.7 38.5



#20
Methylene Chloride
Concen: Below Cal
RT: 4.505 min Scan# 860
Delta R.T. 0.003 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

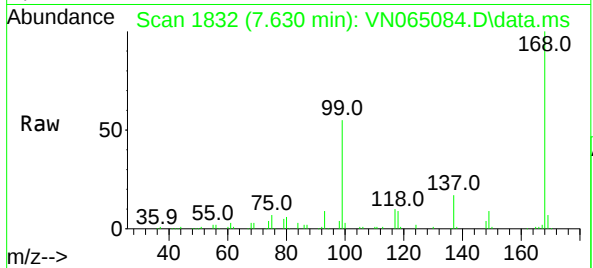
Tgt Ion: 84 Resp: 61
Ion Ratio Lower Upper
84 100
49 0.0 93.4 140.0#
51 0.0 28.2 42.4#
86 0.0 51.7 77.5#



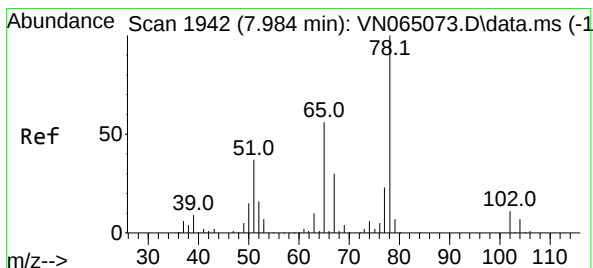
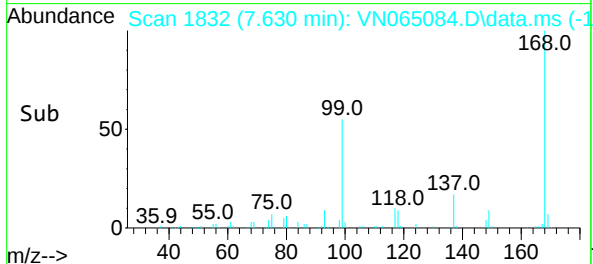
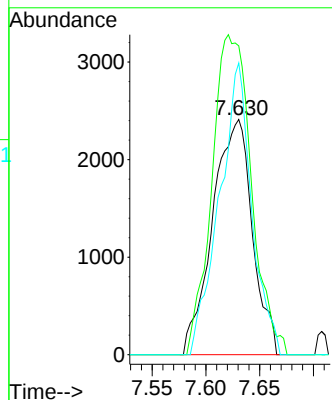


#31
Cyclohexane
Concen: 1.74 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.016 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

Instrument :
MSVOA_N
ClientSampled :

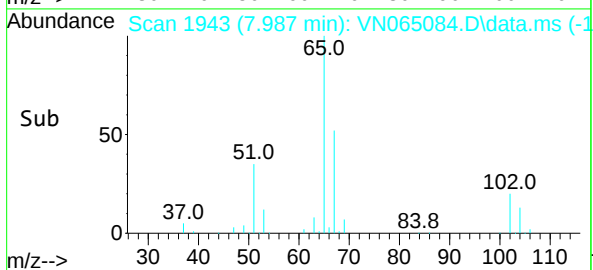
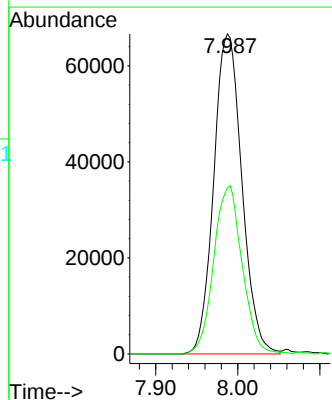
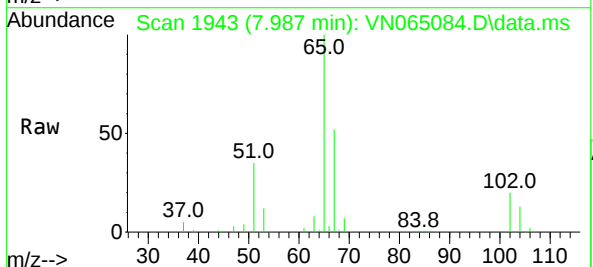


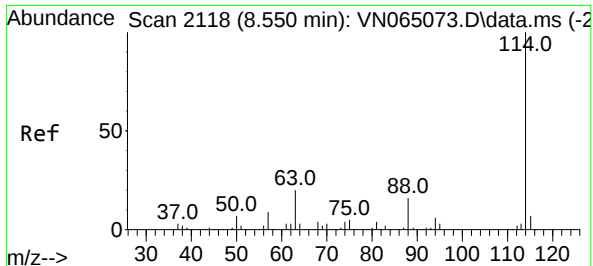
Tgt Ion: 56 Resp: 6204
Ion Ratio Lower Upper
56 100
69 131.4 27.5 41.3#
84 124.0 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 57.48 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.003 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

Tgt Ion: 65 Resp: 159182
Ion Ratio Lower Upper
65 100
67 52.9 0.0 108.2

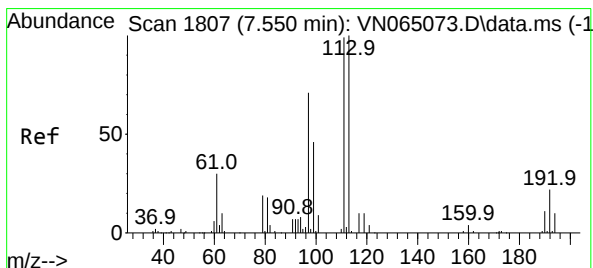
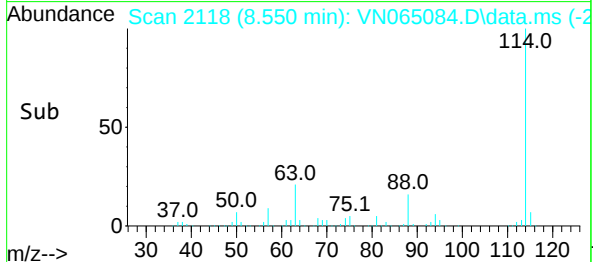
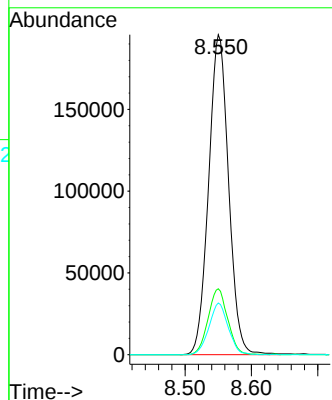
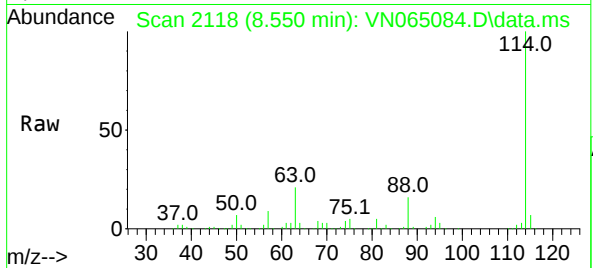




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

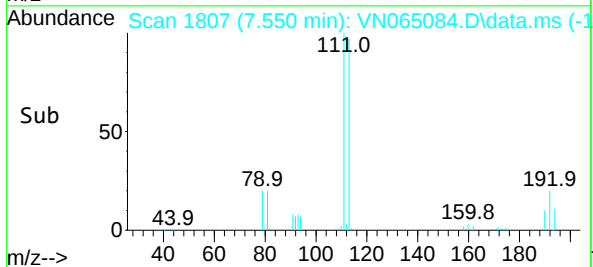
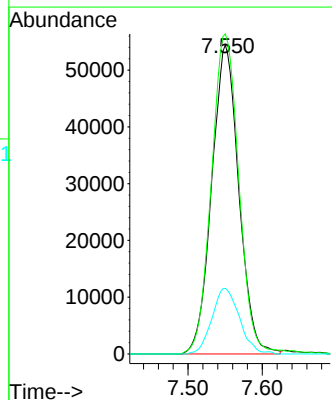
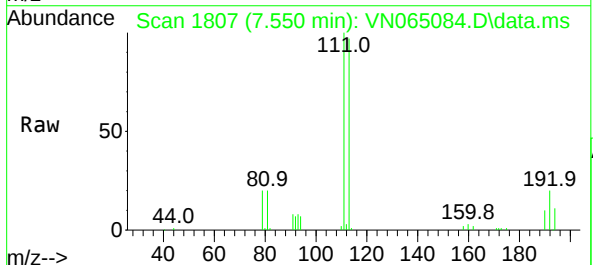
Instrument :
MSVOA_N
ClientSampleId :

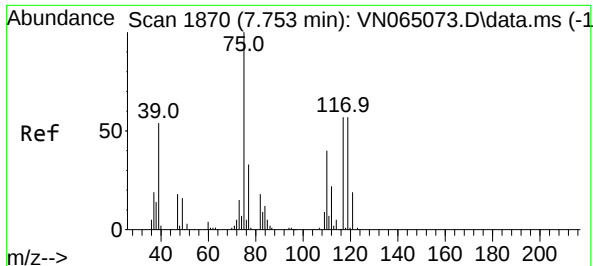
Tgt Ion:114 Resp: 408626
Ion Ratio Lower Upper
114 100
63 20.6 0.0 38.6
88 16.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.84 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

Tgt Ion:113 Resp: 137817
Ion Ratio Lower Upper
113 100
111 104.9 81.6 122.4
192 21.4 16.2 24.2

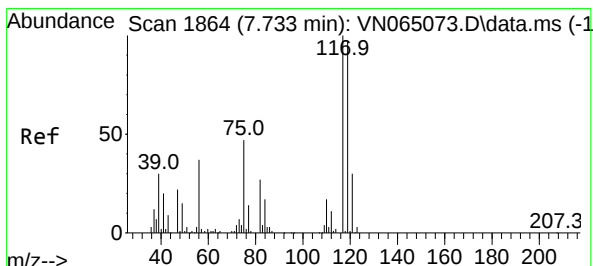
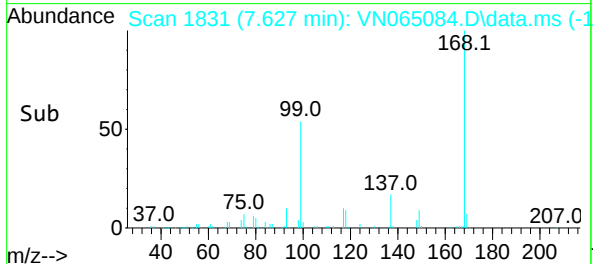
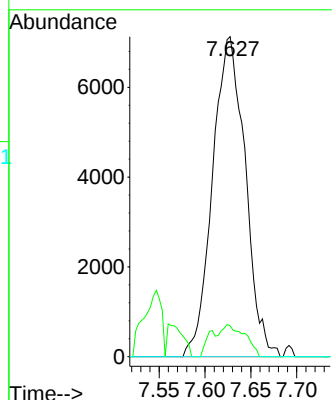
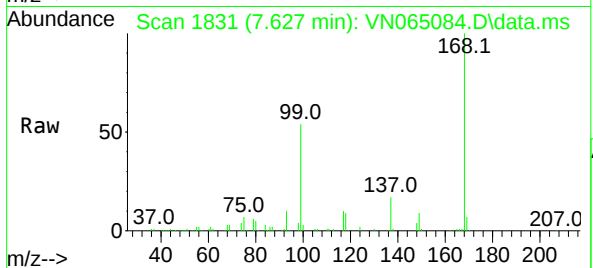




#36
1,1-Dichloropropene
Concen: 4.74 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

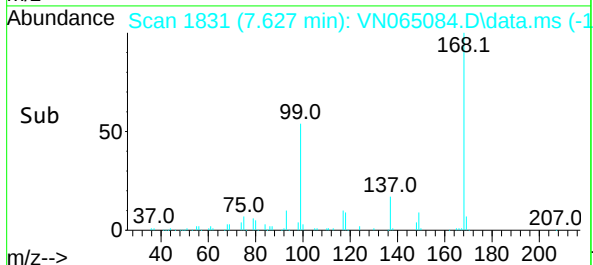
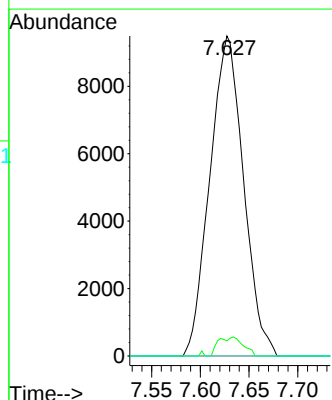
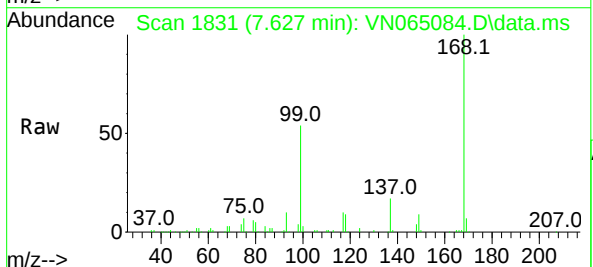
Instrument :
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ClientSampleId :

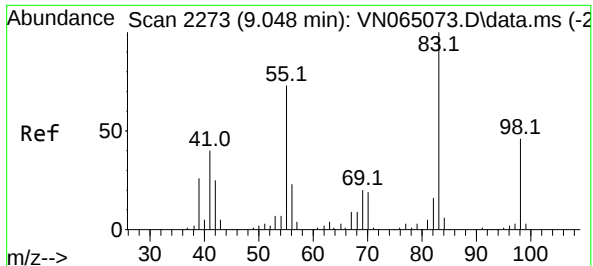
Tgt Ion: 75 Resp: 17653
Ion Ratio Lower Upper
75 100
110 7.1 17.8 53.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.43 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.106 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

Tgt Ion: 117 Resp: 22821
Ion Ratio Lower Upper
117 100
119 4.8 76.7 115.1#
121 0.0 25.4 38.2#





#39

Methylcyclohexane

Concen: 0.39 ug/l

RT: 9.045 min Scan# 2272

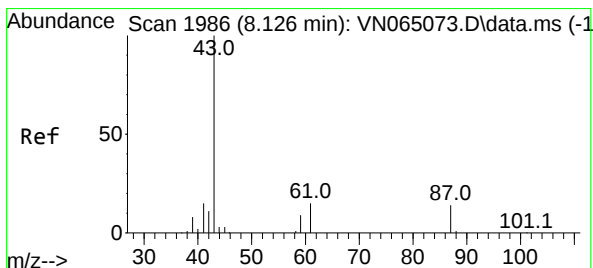
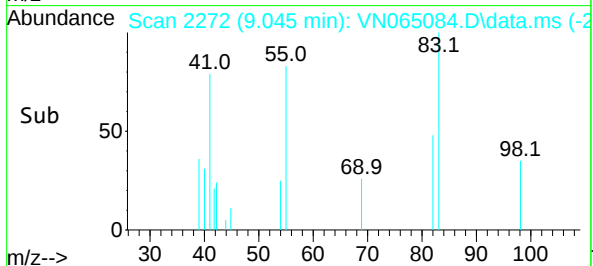
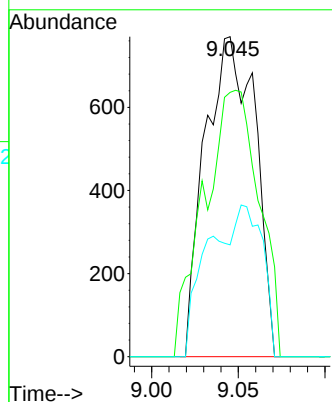
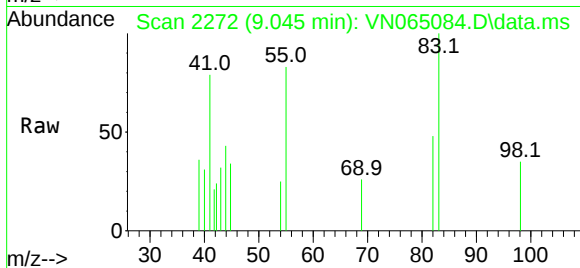
Delta R.T. -0.003 min

Lab File: VN065084.D

Acq: 11 Dec 2020 21:13

Tgt Ion: 83	Resp: 1545
Ion Ratio	Lower Upper
83 100	
55 82.6	60.2 90.2
98 34.9	37.4 56.2#

Instrument :
MSVOA_N
ClientSampled :



#43

Isopropyl Acetate

Concen: 0.22 ug/l

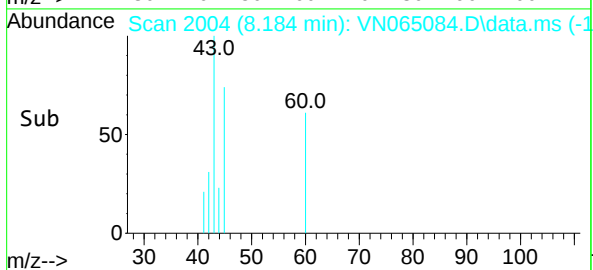
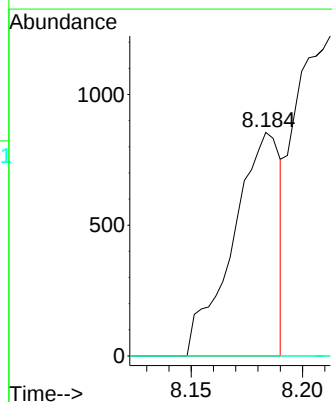
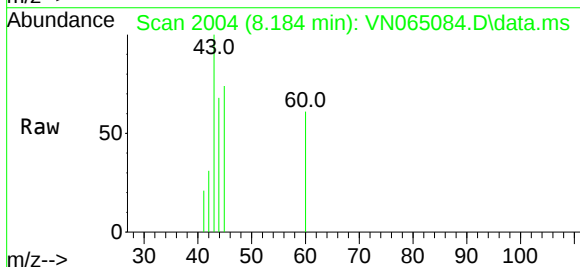
RT: 8.184 min Scan# 2004

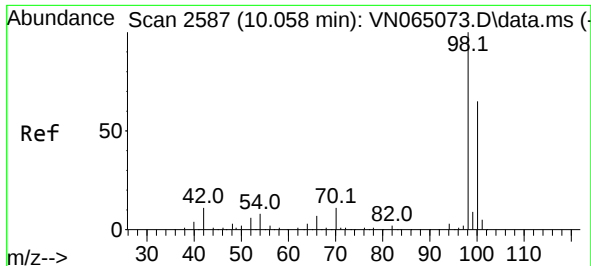
Delta R.T. 0.058 min

Lab File: VN065084.D

Acq: 11 Dec 2020 21:13

Tgt Ion: 43	Resp: 1264
Ion Ratio	Lower Upper
43 100	
61 0.0	17.2 25.8#
87 0.0	11.4 17.0#

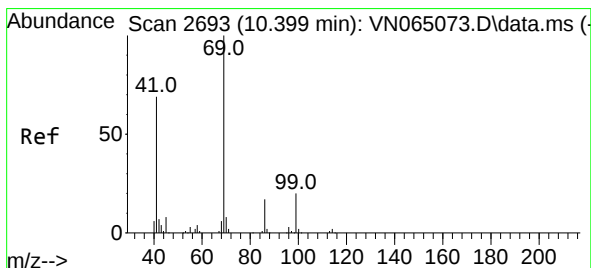
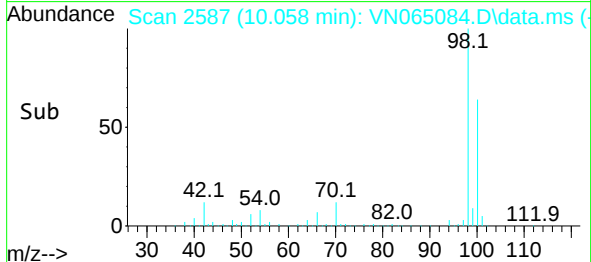
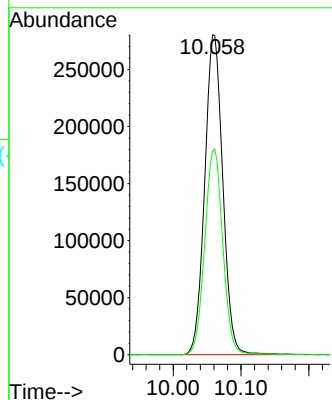
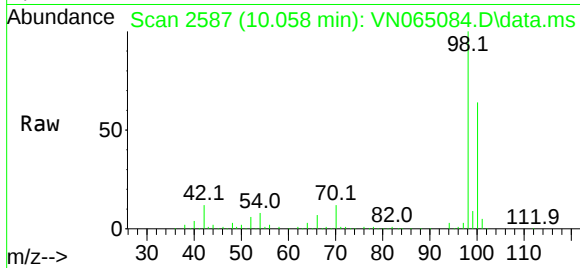




#50
Toluene-d8
Concen: 51.68 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

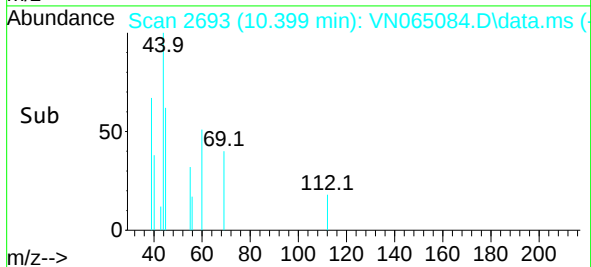
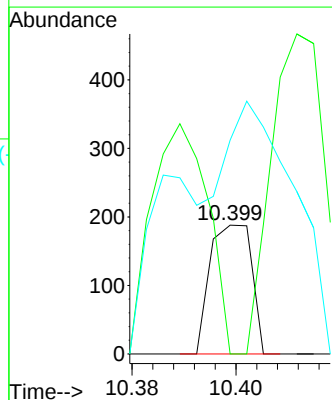
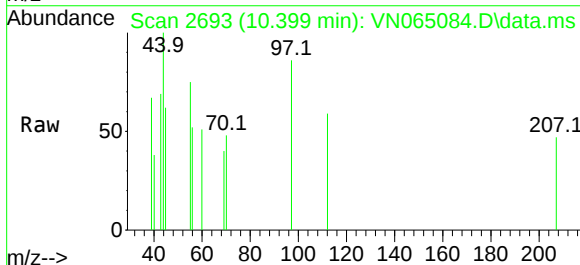
Instrument :
MSVOA_N
ClientSampled :

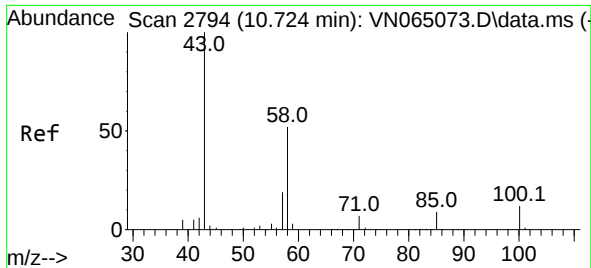
Tgt Ion: 98 Resp: 518619
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5



#56
Ethyl methacrylate
Concen: 2.54 ug/l
RT: 10.399 min Scan# 2693
Delta R.T. -0.000 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

Tgt Ion: 69 Resp: 105
Ion Ratio Lower Upper
69 100
41 313.3 49.4 74.0#
39 357.1 25.9 38.9#

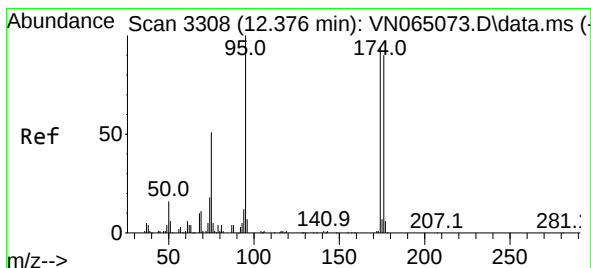
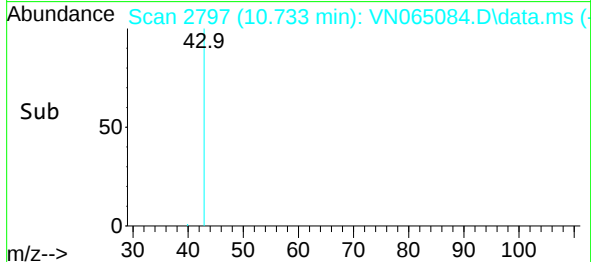
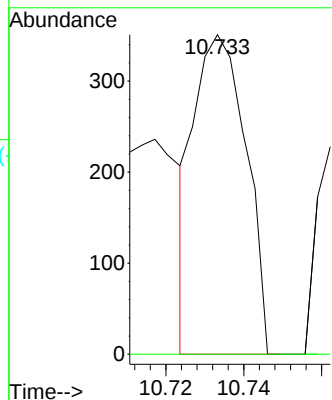
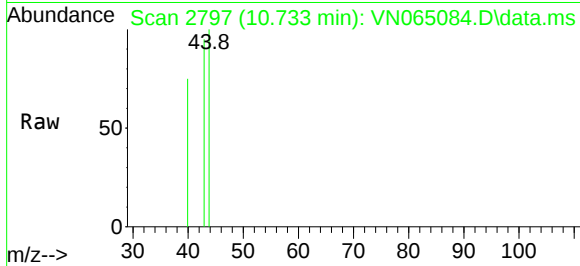




#59
2-Hexanone
Concen: 8.71 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.009 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

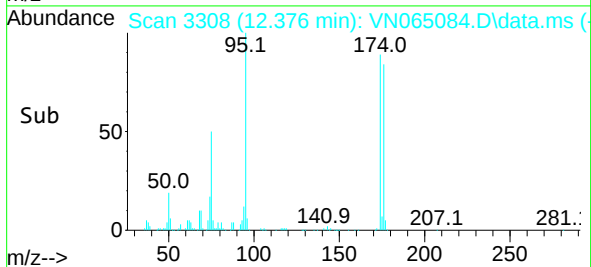
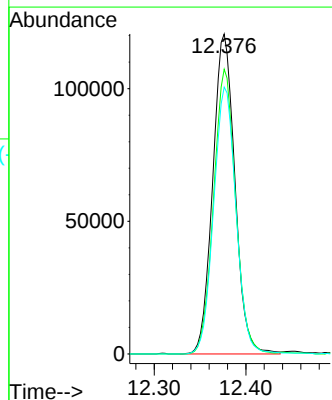
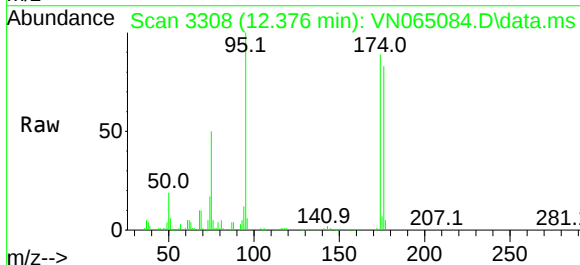
Instrument :
MSVOA_N
ClientSampleId :

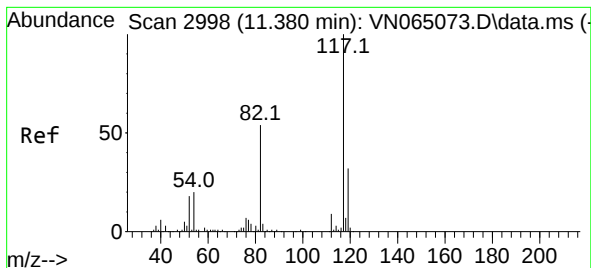
Tgt Ion: 43 Resp: 324
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 57.46 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

Tgt Ion: 95 Resp: 202480
Ion Ratio Lower Upper
95 100
174 88.4 0.0 160.4
176 84.1 0.0 158.4

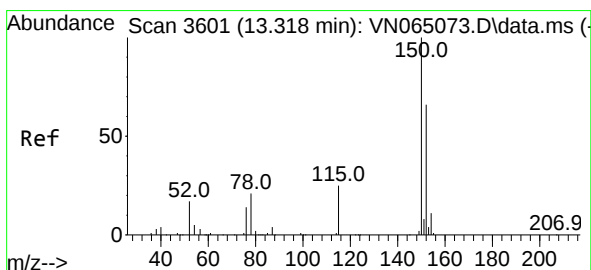
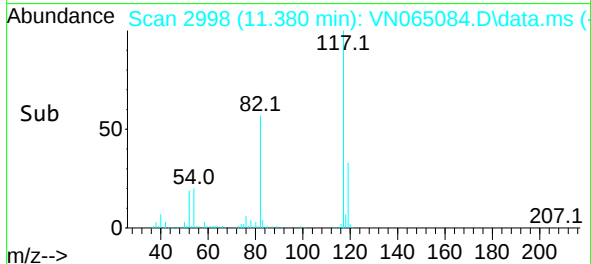
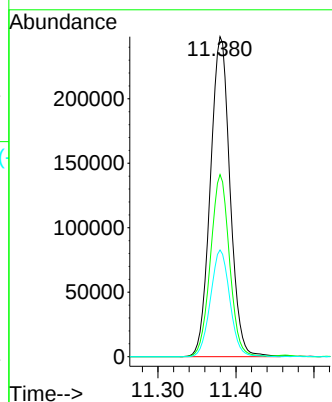
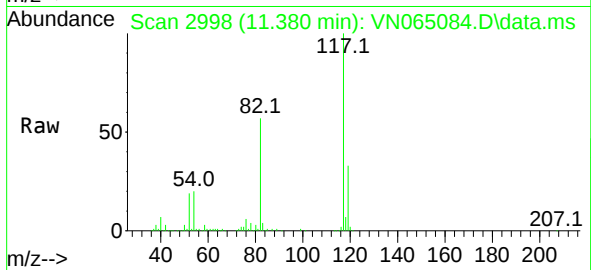




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

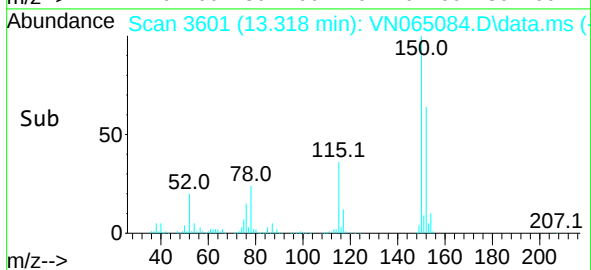
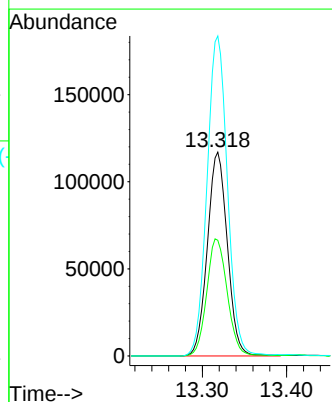
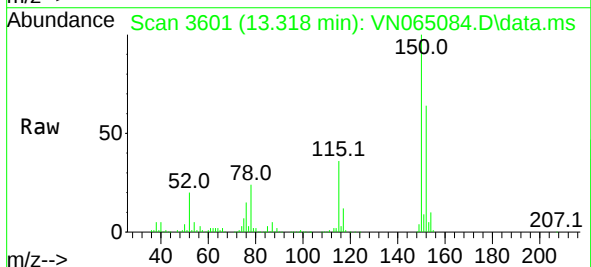
Instrument :
MSVOA_N
ClientSampleId :

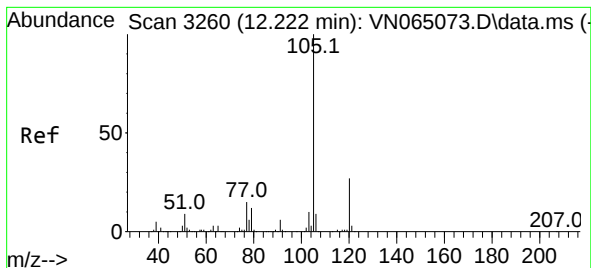
Tgt Ion:117 Resp: 435098
Ion Ratio Lower Upper
117 100
82 56.9 44.2 66.2
119 33.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

Tgt Ion:152 Resp: 193094
Ion Ratio Lower Upper
152 100
115 59.1 29.7 89.1
150 160.1 0.0 350.6





#73

Isopropylbenzene

Concen: 2.16 ug/l

RT: 12.225 min Scan# 3261

Delta R.T. 0.003 min

Lab File: VN065084.D

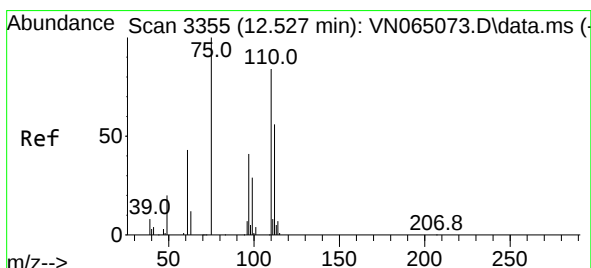
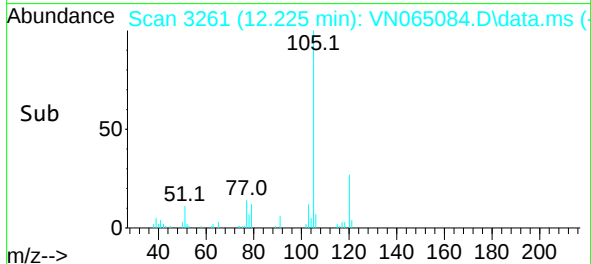
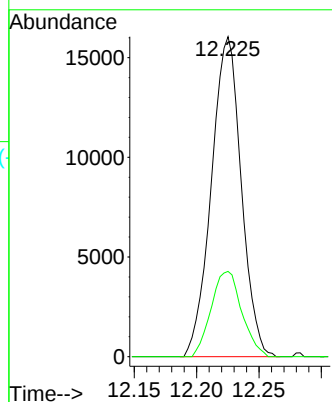
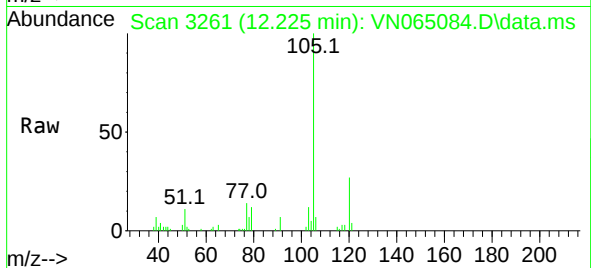
Acq: 11 Dec 2020 21:13

Tgt Ion:105 Resp: 26797

Ion Ratio Lower Upper

105 100

120 27.3 13.3 39.9



#76

1,2,3-Trichloropropane

Concen: 29.01 ug/l

RT: 12.376 min Scan# 3308

Delta R.T. -0.151 min

Lab File: VN065084.D

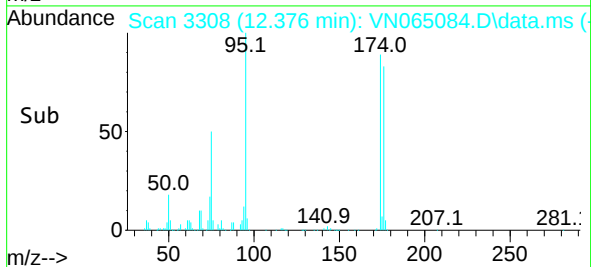
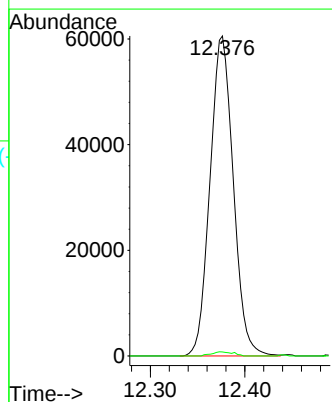
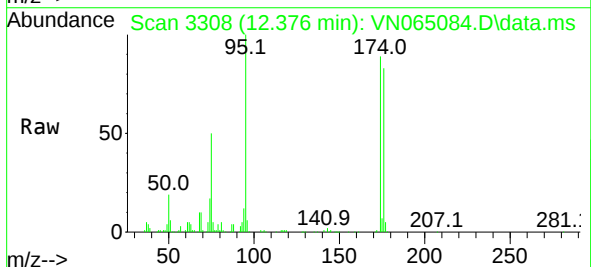
Acq: 11 Dec 2020 21:13

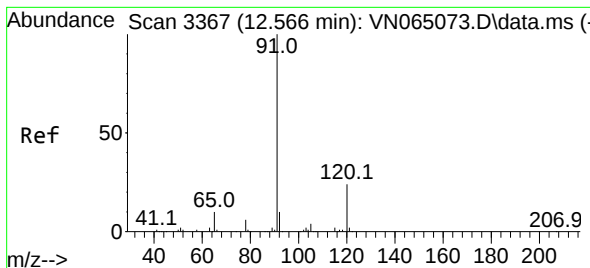
Tgt Ion: 75 Resp: 103614

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#78

n-propylbenzene

Concen: 0.23 ug/l

RT: 12.569 min Scan# 3368

Delta R.T. 0.003 min

Lab File: VN065084.D

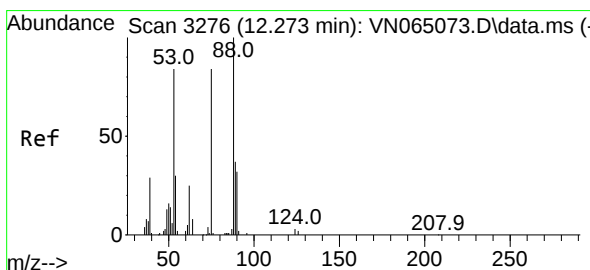
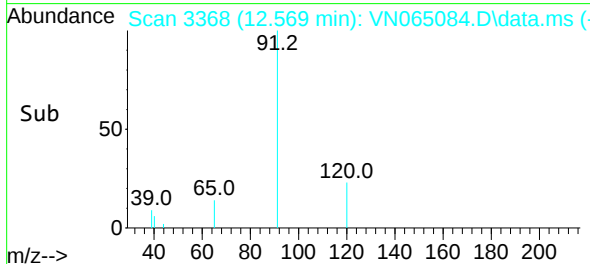
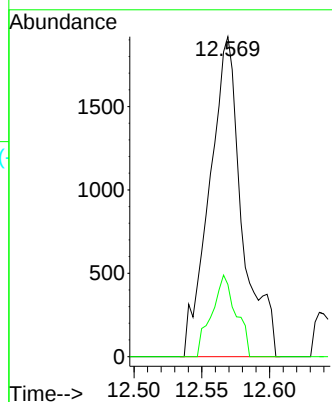
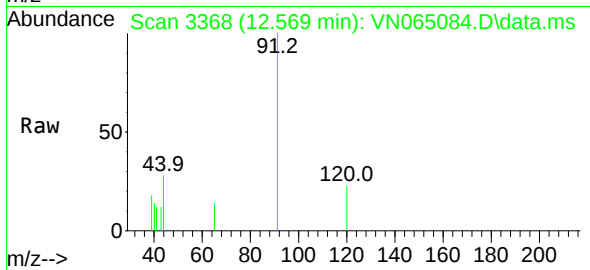
Acq: 11 Dec 2020 21:13

Tgt Ion: 91 Resp: 3202

Ion Ratio Lower Upper

91 100

120 19.1 11.6 34.7



#81

trans-1,4-Dichloro-2-butene

Concen: 83.72 ug/l

RT: 12.376 min Scan# 3308

Delta R.T. 0.103 min

Lab File: VN065084.D

Acq: 11 Dec 2020 21:13

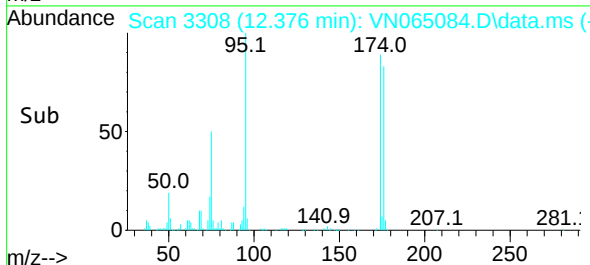
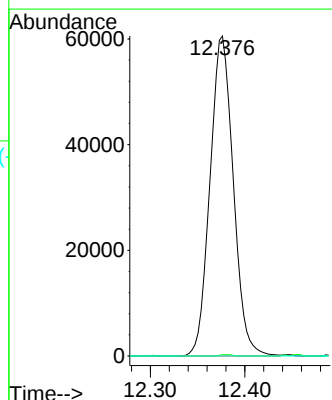
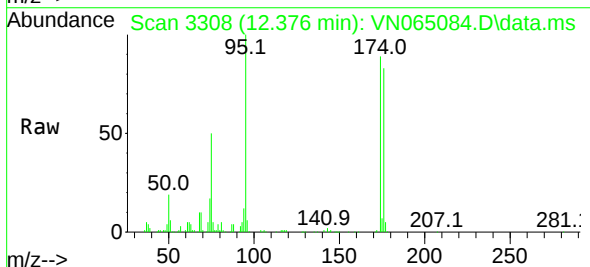
Tgt Ion: 75 Resp: 103614

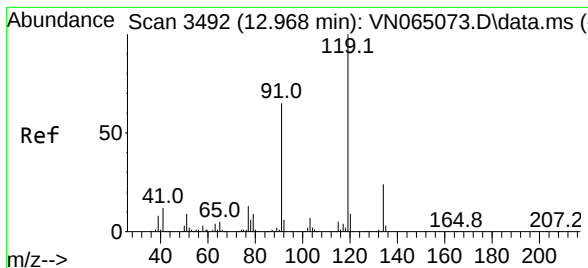
Ion Ratio Lower Upper

75 100

53 0.2 67.0 100.4#

89 0.0 39.6 59.4#

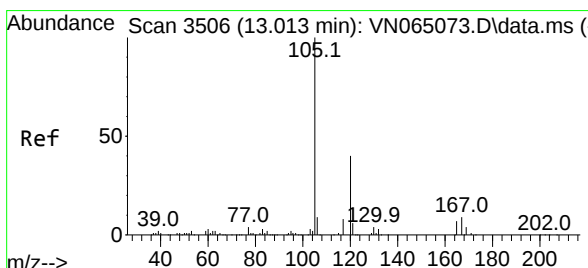
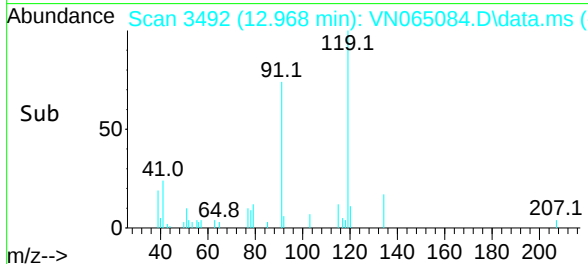
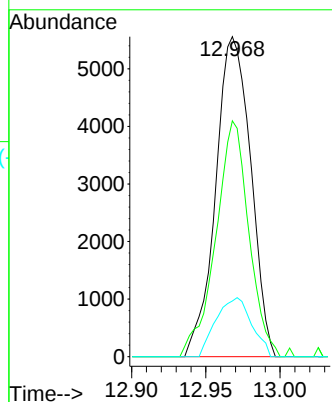
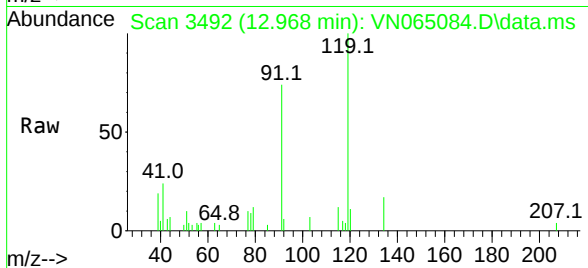




#83
tert-Butylbenzene
Concen: 1.06 ug/l
RT: 12.968 min Scan# 3492
Delta R.T. -0.000 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

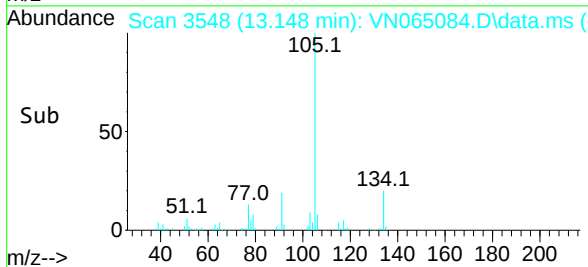
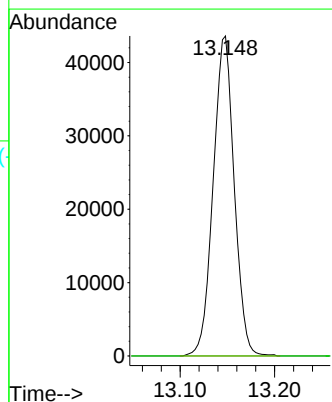
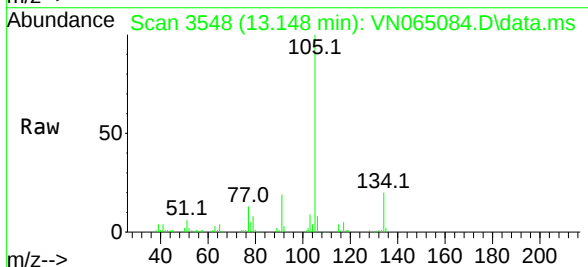
Instrument :
MSVOA_N
ClientSampleId :

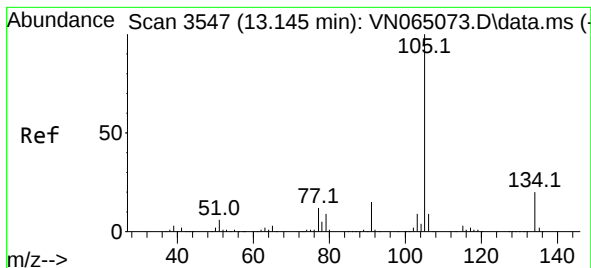
Tgt Ion:119 Resp: 9130
Ion Ratio Lower Upper
119 100
91 69.6 32.3 96.8
134 18.7 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 6.44 ug/l
RT: 13.148 min Scan# 3548
Delta R.T. 0.135 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

Tgt Ion:105 Resp: 67351
Ion Ratio Lower Upper
105 100
120 0.0 23.1 69.2#

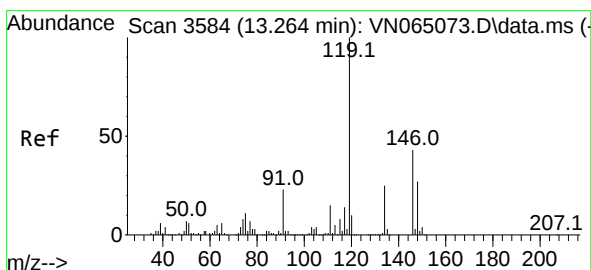
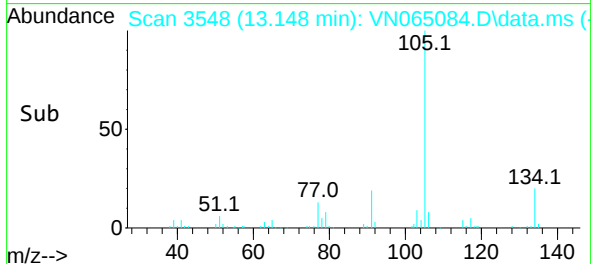
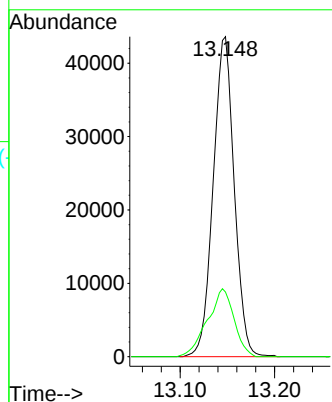
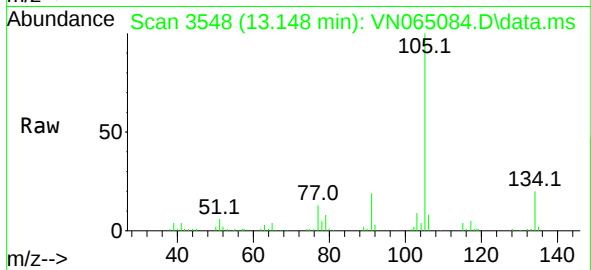




#85
sec-Butylbenzene
Concen: 6.07 ug/l
RT: 13.148 min Scan# 3548
Delta R.T. 0.003 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

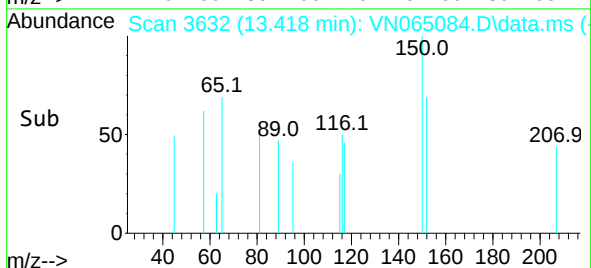
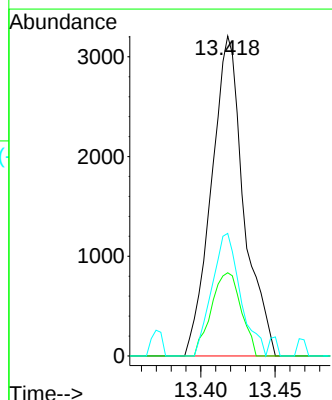
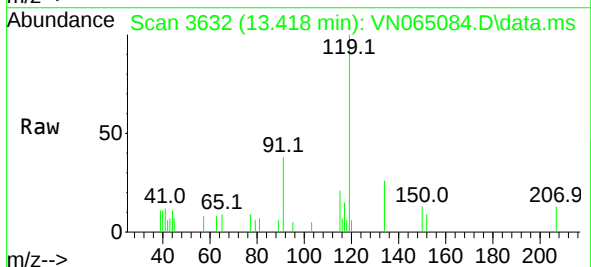
Instrument :
MSVOA_N
ClientSampled :

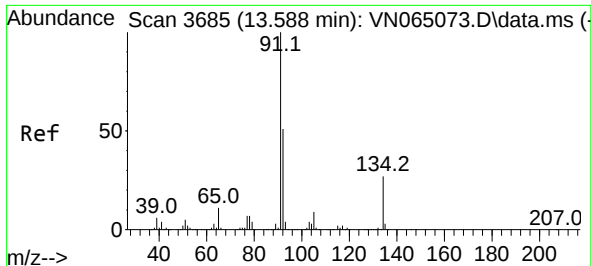
Tgt Ion:105 Resp: 67351
Ion Ratio Lower Upper
105 100
134 26.9 10.1 30.1



#86
p-Isopropyltoluene
Concen: 0.48 ug/l
RT: 13.418 min Scan# 3632
Delta R.T. 0.154 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

Tgt Ion:119 Resp: 4858
Ion Ratio Lower Upper
119 100
134 23.9 13.1 39.1
91 33.8 11.5 34.5

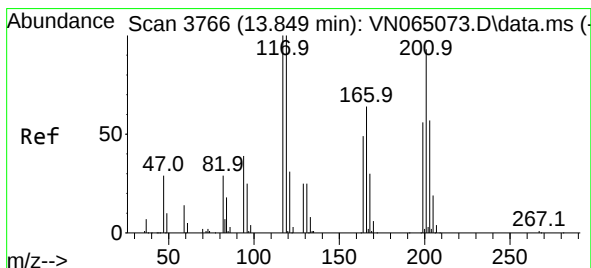
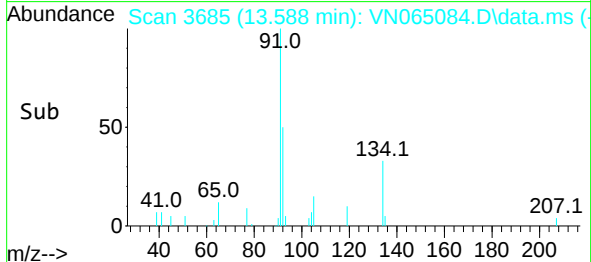
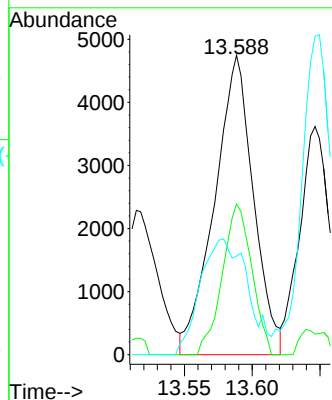
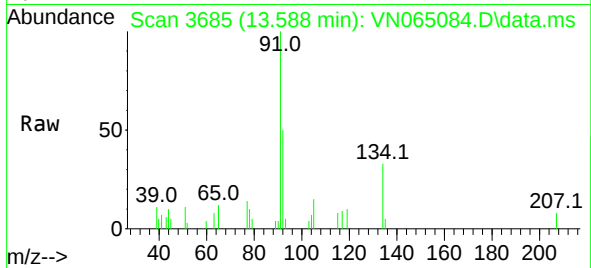




#89
n-Butylbenzene
Concen: 1.12 ug/l
RT: 13.588 min Scan# 3685
Delta R.T. 0.000 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

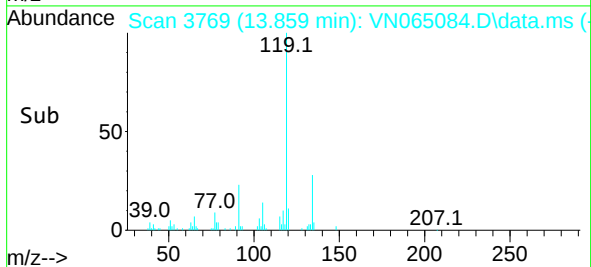
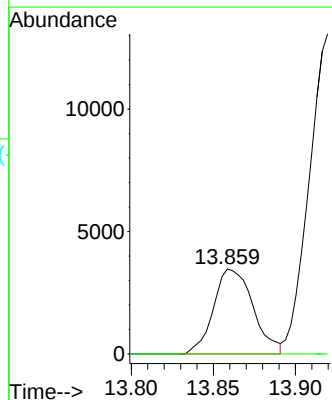
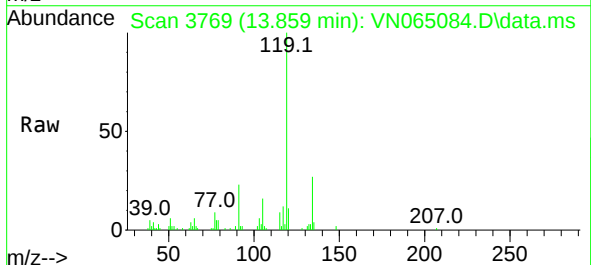
Instrument :
MSVOA_N
ClientSampled :

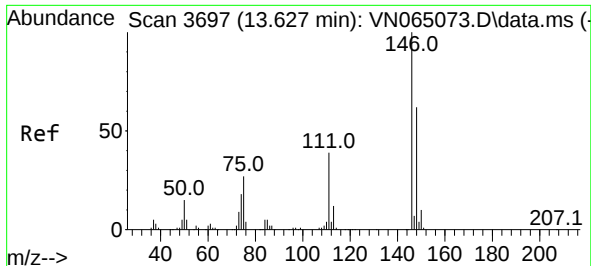
Tgt Ion: 91	Resp:	9437
Ion Ratio	Lower	Upper
91	100	
92	38.2	26.0 78.0
134	47.3	12.9 38.6#



#90
Hexachloroethane
Concen: 2.91 ug/l
RT: 13.859 min Scan# 3769
Delta R.T. 0.010 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

Tgt Ion: 117	Resp:	5823
Ion Ratio	Lower	Upper
117	100	
201	0.0	40.1 120.3#

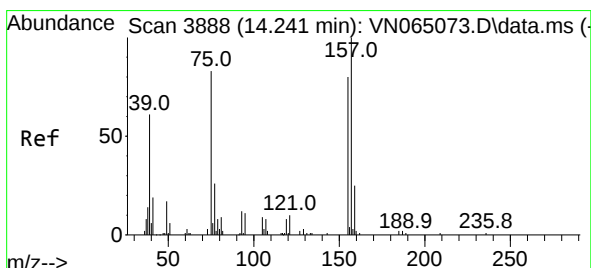
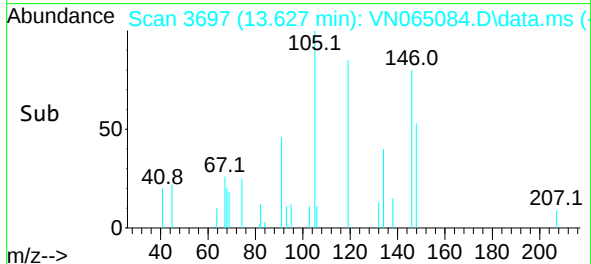
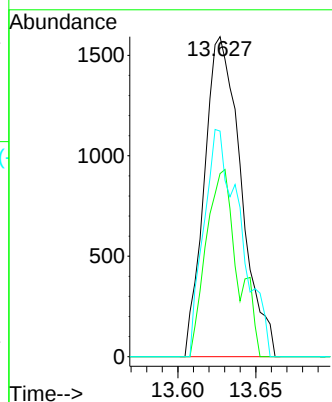
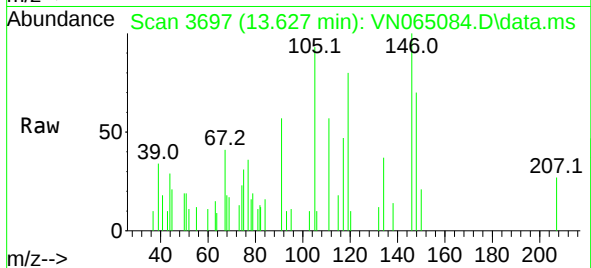




#91
1,2-Dichlorobenzene
Concen: 0.43 ug/l
RT: 13.627 min Scan# 3697
Delta R.T. 0.000 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

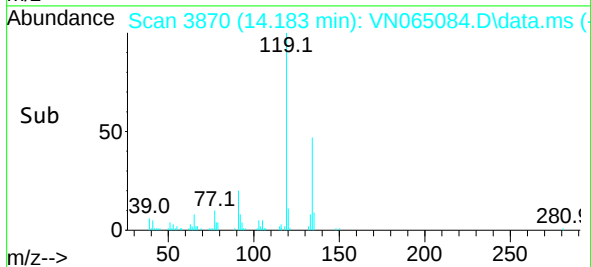
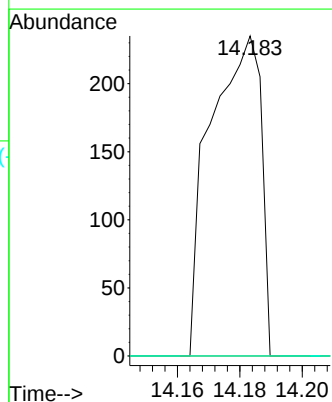
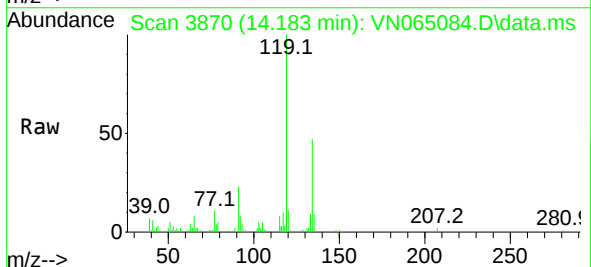
Instrument :
MSVOA_N
ClientSampled :

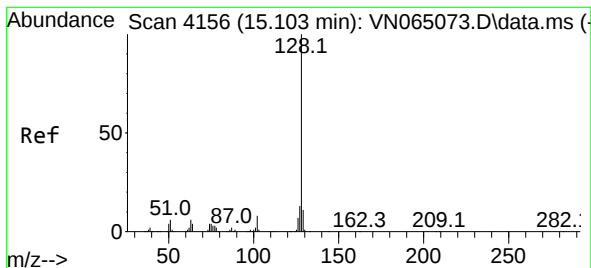
Tgt Ion:	146	Resp:	2611
Ion Ratio	Lower	Upper	
146	100		
111	50.2	21.1	63.1
148	70.9	32.0	96.2



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.35 ug/l
RT: 14.183 min Scan# 3870
Delta R.T. -0.058 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

Tgt Ion:	75	Resp:	264
Ion Ratio	Lower	Upper	
75	100		
155	0.0	42.8	128.3#
157	0.0	56.4	169.1#

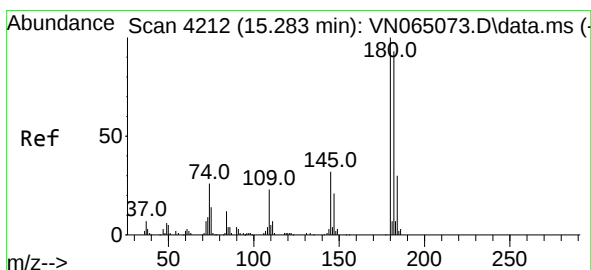
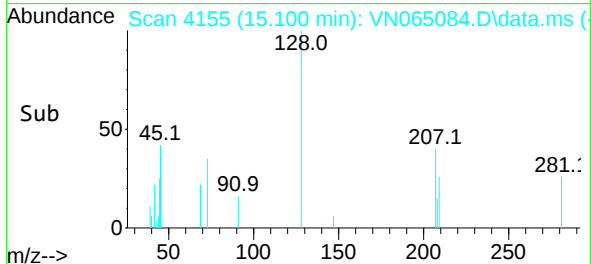
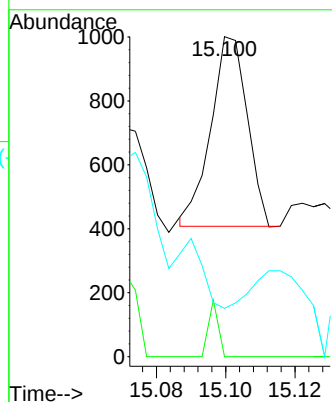
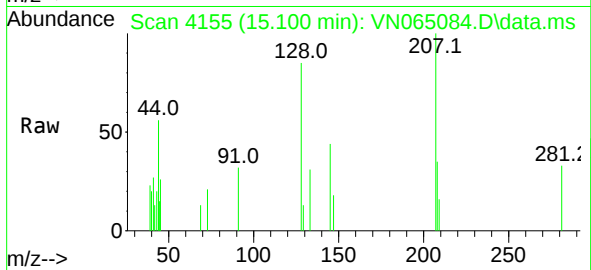




#95
Naphthalene
Concen: 4.79 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. -0.003 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 434
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 78.1 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 4.62 ug/l
RT: 15.280 min Scan# 4211
Delta R.T. -0.003 min
Lab File: VN065084.D
Acq: 11 Dec 2020 21:13

Tgt Ion:180 Resp: 124
Ion Ratio Lower Upper
180 100
182 0.0 48.1 144.4#
145 10908.1 16.4 49.1#

