

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121420\
 Data File : VN065116.D
 Acq On : 14 Dec 2020 22:13
 Operator : JC/MD
 Sample : VN1214WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBL02

Quant Time: Dec 15 06:40:32 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)

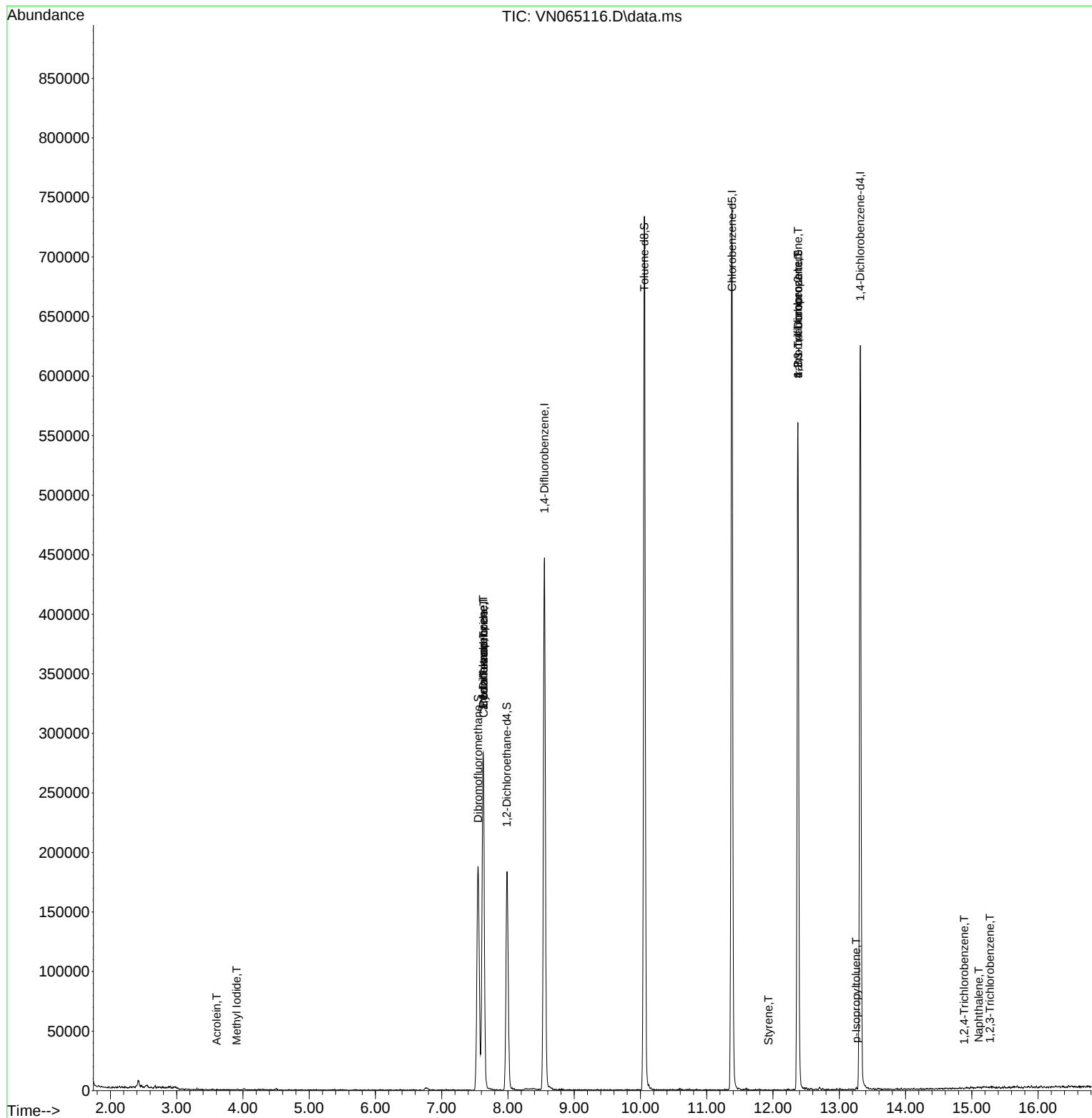
Internal Standards						
1) Pentafluorobenzene	7.627	168	242656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	405744	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	431003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	181568	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.984	65	158803	56.92	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 113.84%			
35) Dibromofluoromethane	7.550	113	143616	50.92	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.84%			
50) Toluene-d8	10.058	98	504762	50.61	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.22%			
62) 4-Bromofluorobenzene	12.376	95	187884	54.70	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 109.40%			
Target Compounds					Qvalue	
3) Chloromethane	2.036	50	571	Below Cal	#	41
5) Bromomethane	2.554	94	414	Below Cal	#	63
10) Methyl Iodide	3.904	142	410	4.05 ug/l	#	48
13) Acrolein	3.602	56	66	0.49 ug/l	#	14
20) Methylene Chloride	4.502	84	496	Below Cal	#	82
31) Cyclohexane	7.627	56	5143	1.36 ug/l	#	20
36) 1,1-Dichloropropene	7.624	75	16802	4.34 ug/l	#	50
38) Carbon Tetrachloride	7.631	117	22919	5.13 ug/l	#	18
70) Styrene	11.933	104	31	1.38 ug/l	#	20
76) 1,2,3-Trichloropropane	12.376	75	93774	28.78 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.376	75	93774	80.09 ug/l	#	15
86) p-Isopropyltoluene	13.257	119	782	1.13 ug/l	#	86
93) 1,2,4-Trichlorobenzene	14.884	180	181	3.78 ug/l	#	12
95) Naphthalene	15.106	128	654	4.28 ug/l	#	69
96) 1,2,3-Trichlorobenzene	15.277	180	257	4.09 ug/l	#	36

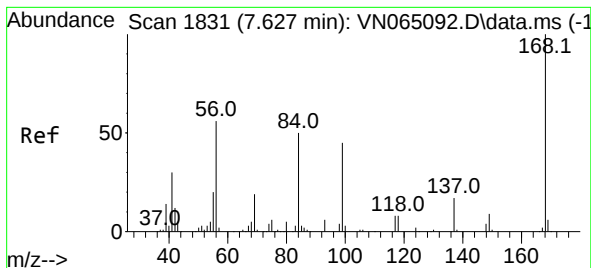
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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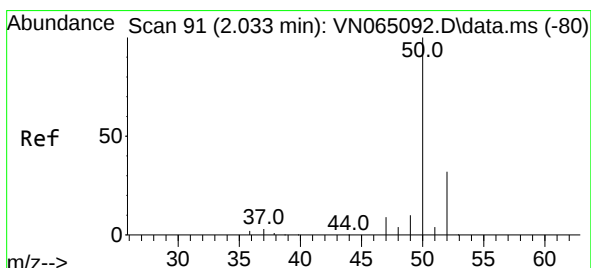
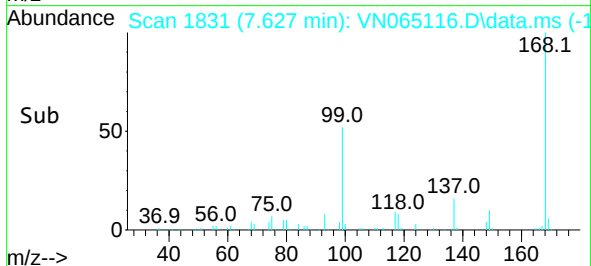
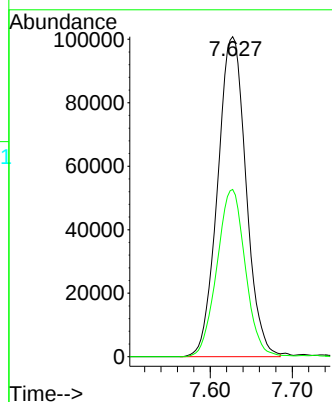
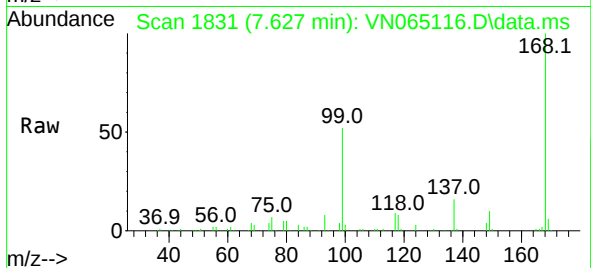




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

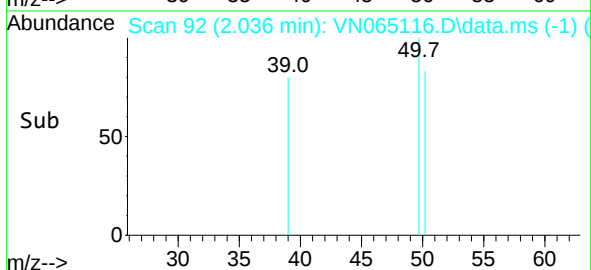
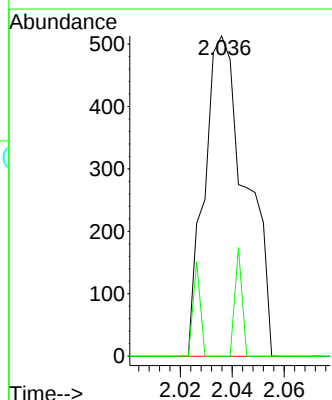
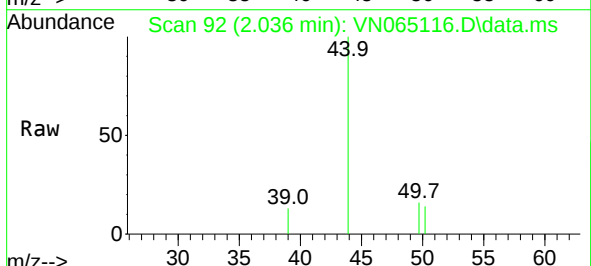
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBL02

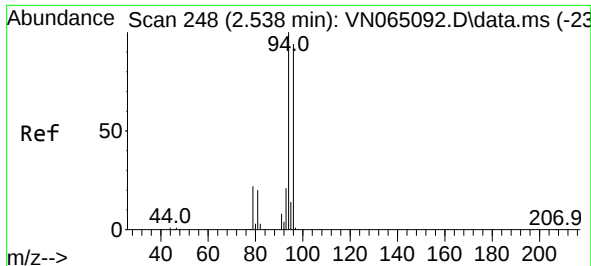
Tgt Ion:168 Resp: 242656
Ion Ratio Lower Upper
168 100
99 52.2 43.0 64.4



#3
Chloromethane
Concen: Below Cal
RT: 2.036 min Scan# 92
Delta R.T. 0.003 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

Tgt Ion: 50 Resp: 571
Ion Ratio Lower Upper
50 100
52 0.0 26.6 39.8#

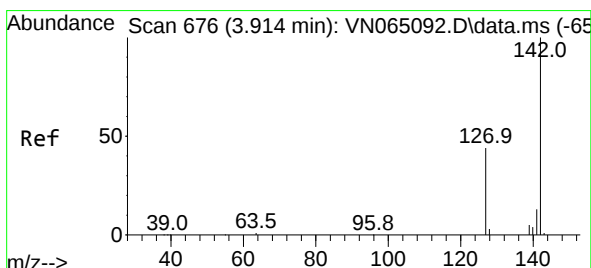
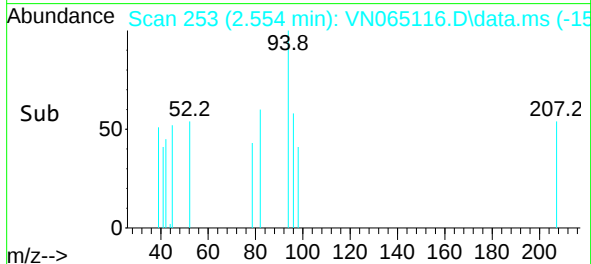
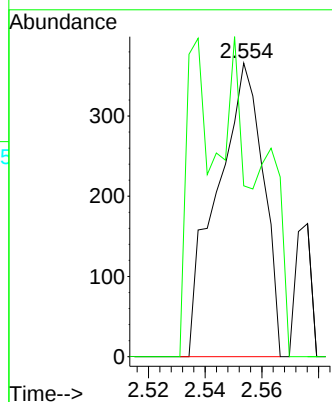
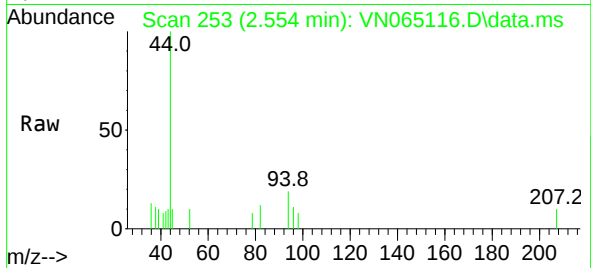




#5
Bromomethane
Concen: Below Cal
RT: 2.554 min Scan# 253
Delta R.T. 0.016 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

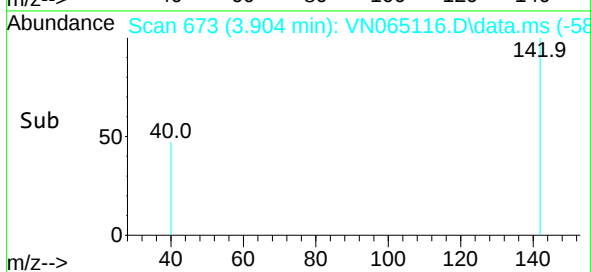
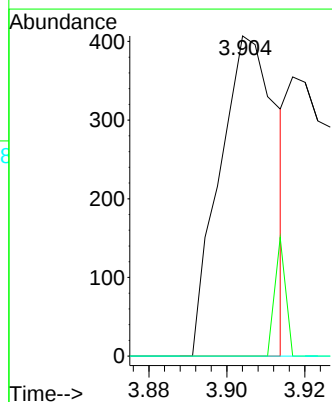
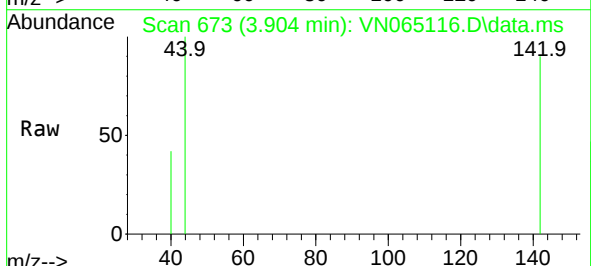
Instrument :
MSVOA_N
ClientSampled :
VN1214WBL02

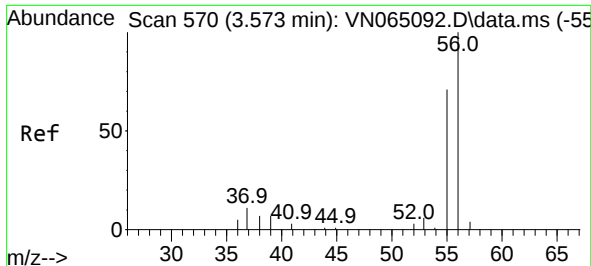
Tgt Ion: 94 Resp: 414
Ion Ratio Lower Upper
94 100
96 58.2 75.4 113.0#



#10
Methyl Iodide
Concen: 4.05 ug/l
RT: 3.904 min Scan# 673
Delta R.T. -0.010 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

Tgt Ion: 142 Resp: 410
Ion Ratio Lower Upper
142 100
127 7.1 35.0 52.6#
141 0.0 11.8 17.6#

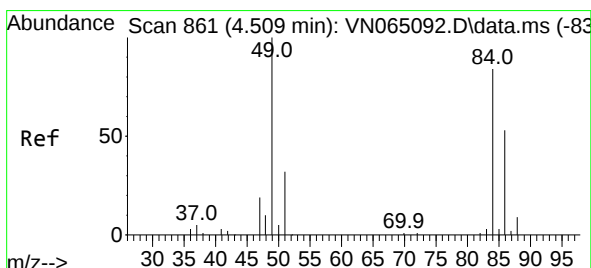
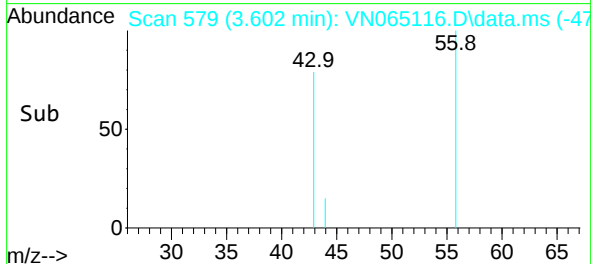
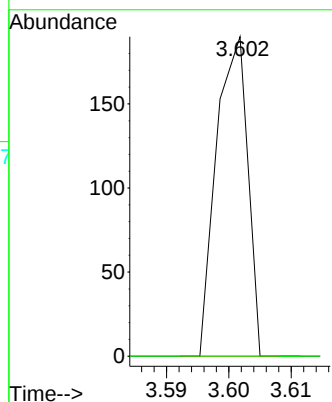
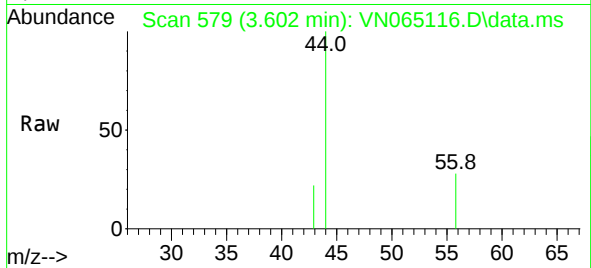




#13
Acrolein
Concen: 0.49 ug/l
RT: 3.602 min Scan# 579
Delta R.T. 0.029 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

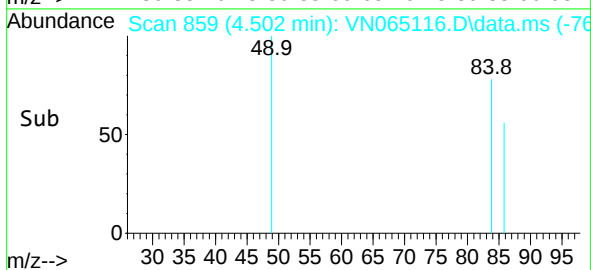
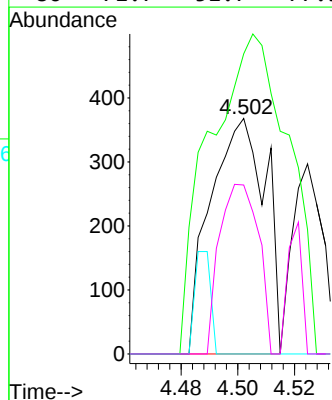
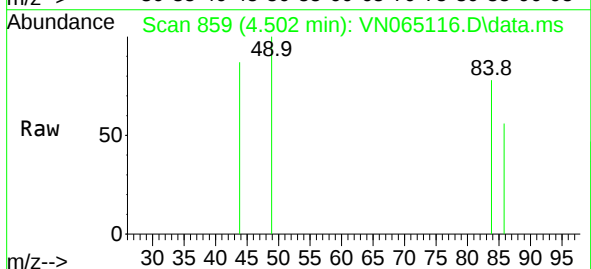
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBL02

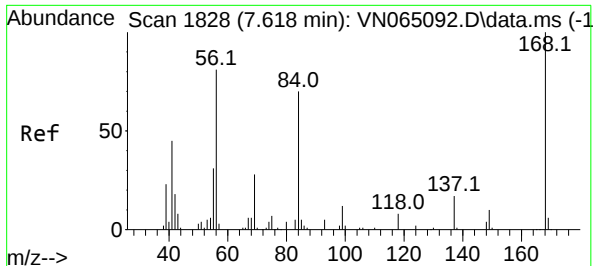
Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 0.0 56.5 84.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.502 min Scan# 859
Delta R.T. -0.007 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

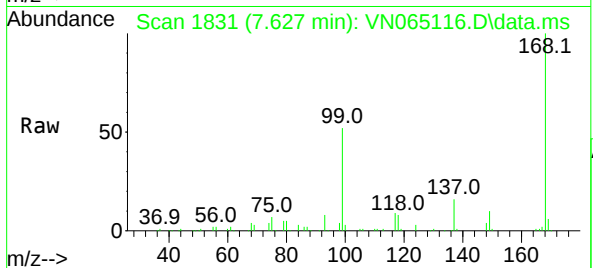
Tgt Ion: 84 Resp: 496
Ion Ratio Lower Upper
84 100
49 127.4 93.4 140.0
51 0.0 28.2 42.4#
86 71.7 51.7 77.5



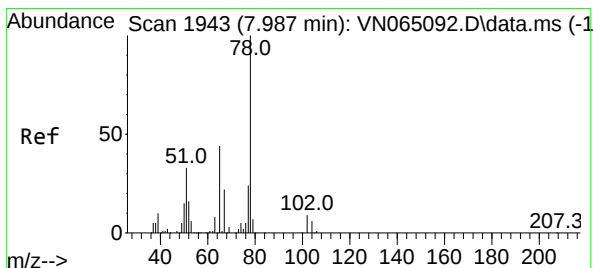
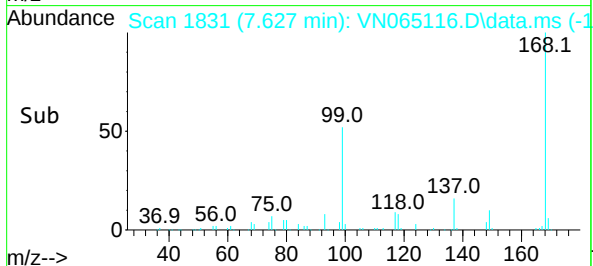
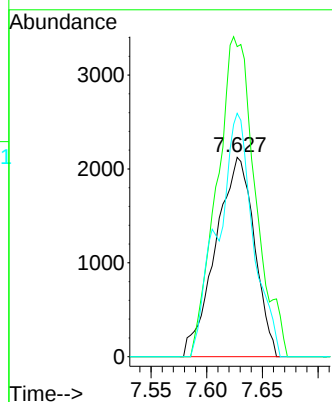


#31
Cyclohexane
Concen: 1.36 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.009 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBL02

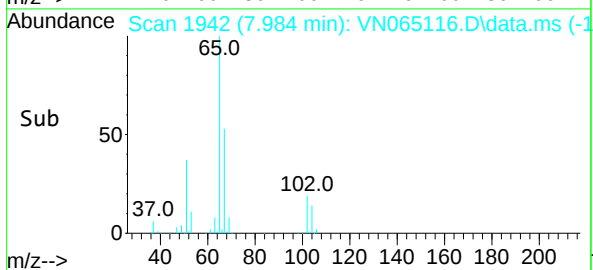
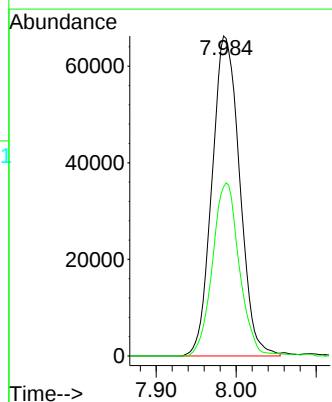
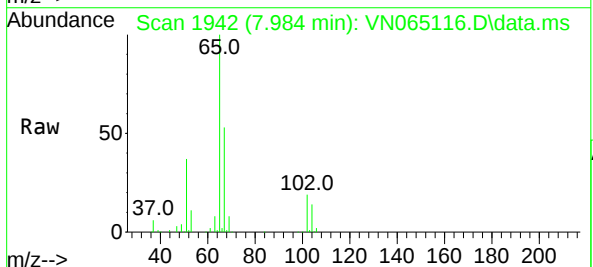


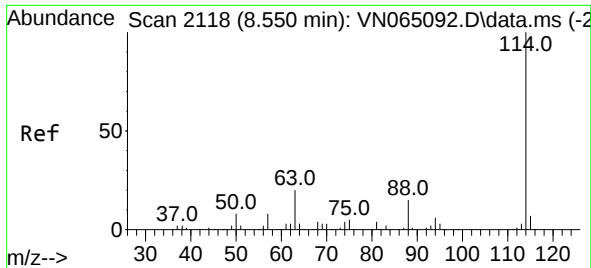
Tgt Ion: 56 Resp: 5143
Ion Ratio Lower Upper
56 100
69 155.5 27.5 41.3#
84 122.0 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 56.92 ug/l
RT: 7.984 min Scan# 1942
Delta R.T. -0.003 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

Tgt Ion: 65 Resp: 158803
Ion Ratio Lower Upper
65 100
67 52.5 0.0 108.2

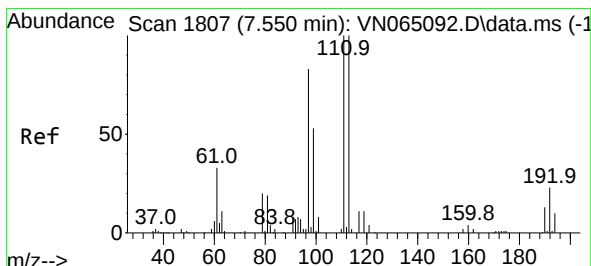
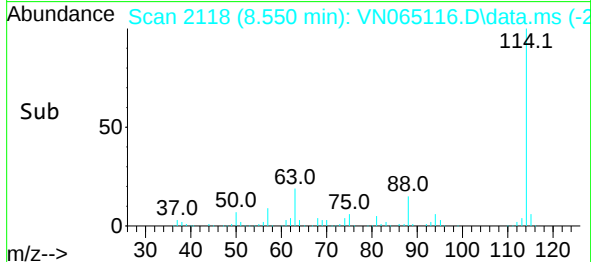
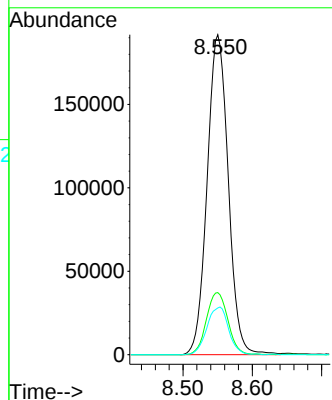
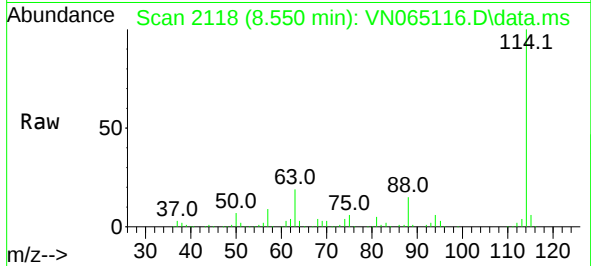




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

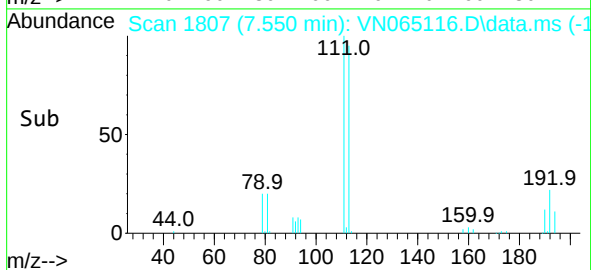
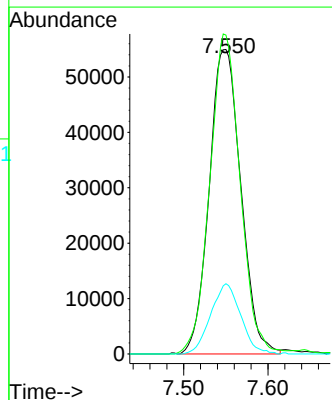
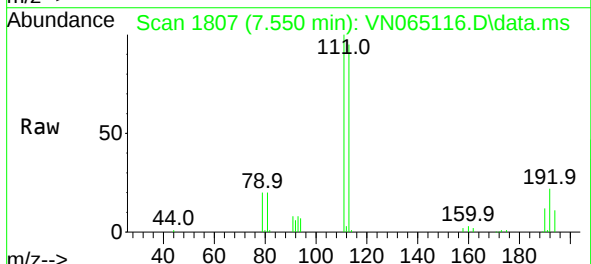
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VN1214WBL02

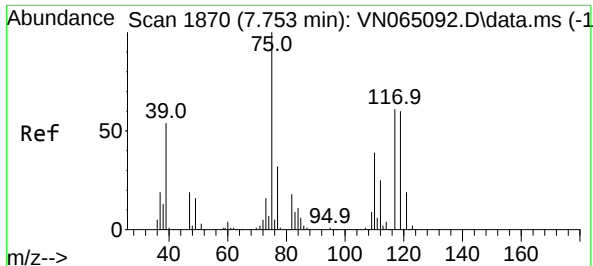
Tgt Ion:	114	Resp:	405744
Ion Ratio	Lower	Upper	
114	100		
63	19.4	0.0	38.6
88	14.6	0.0	32.6



#35
Dibromofluoromethane
Concen: 50.92 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

Tgt Ion:	113	Resp:	143616
Ion Ratio	Lower	Upper	
113	100		
111	100.6	81.6	122.4
192	21.8	16.2	24.2

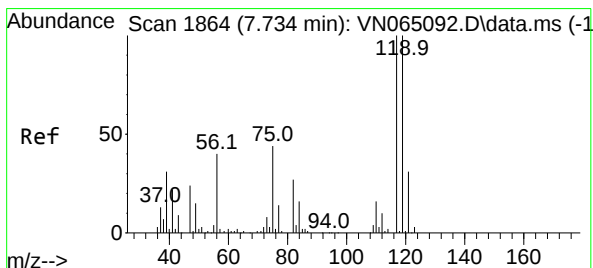
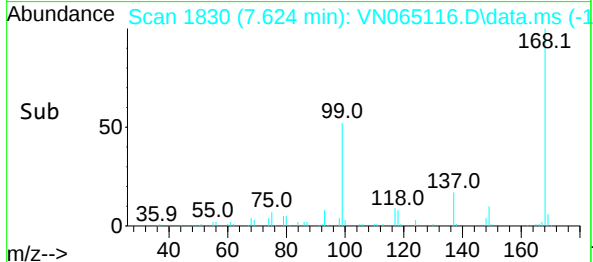
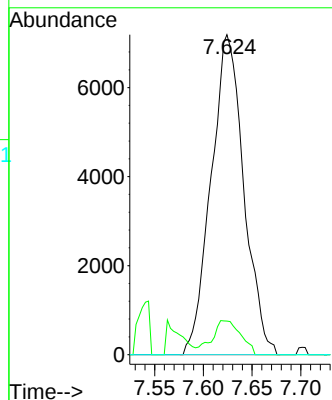
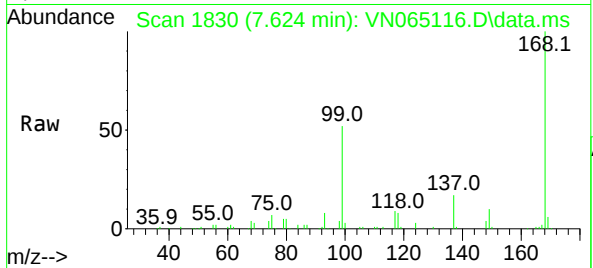




#36
1,1-Dichloropropene
Concen: 4.34 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.129 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

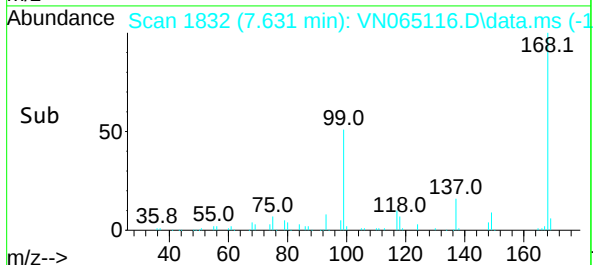
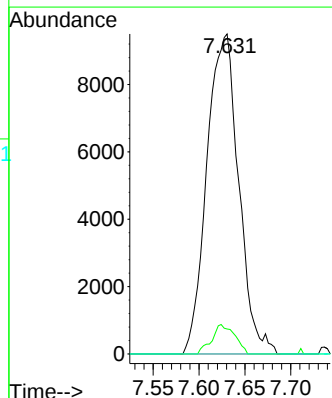
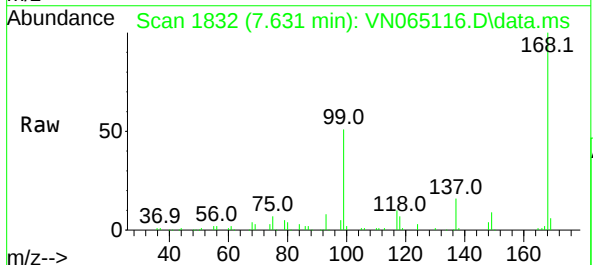
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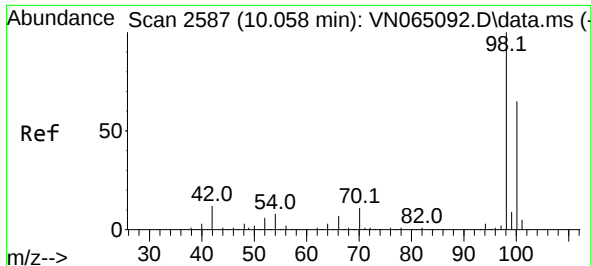
Tgt Ion: 75 Resp: 16802
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.13 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. -0.103 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

Tgt Ion: 117 Resp: 22919
Ion Ratio Lower Upper
117 100
119 7.8 76.7 115.1#
121 0.0 25.4 38.2#

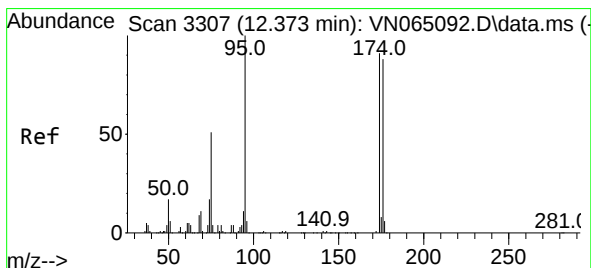
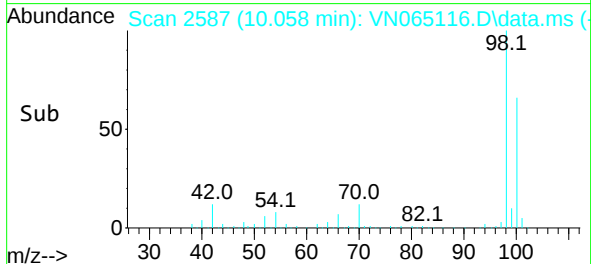
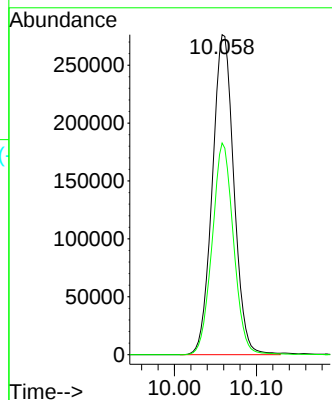
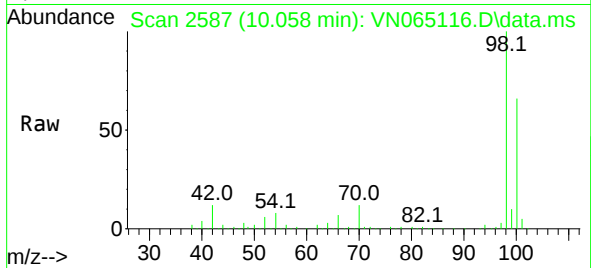




#50
Toluene-d8
Concen: 50.61 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

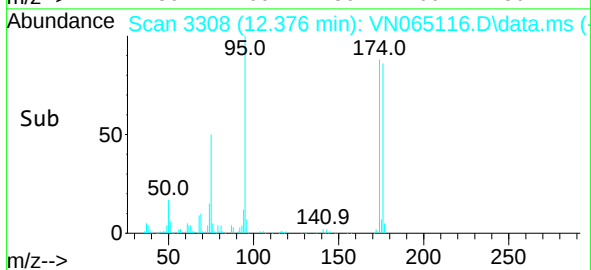
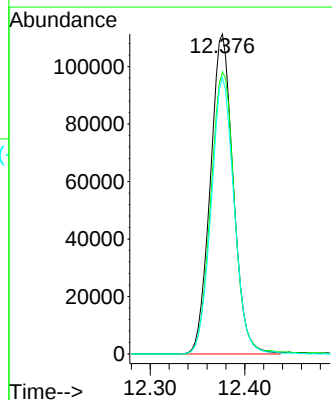
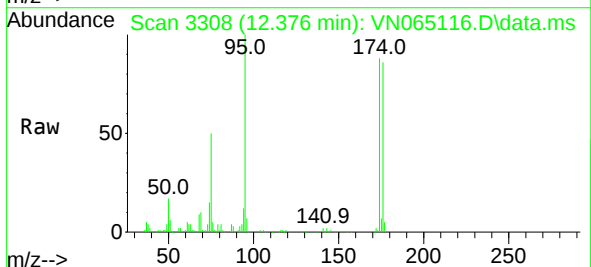
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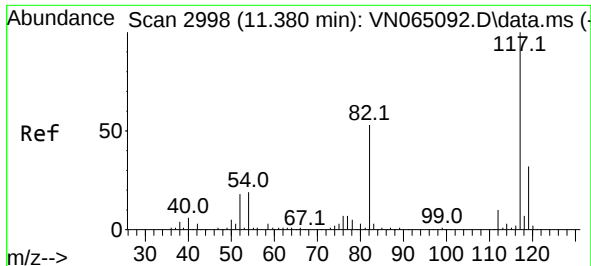
Tgt Ion: 98 Resp: 504762
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 54.70 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.003 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

Tgt Ion: 95 Resp: 187884
Ion Ratio Lower Upper
95 100
174 90.1 0.0 160.4
176 86.6 0.0 158.4

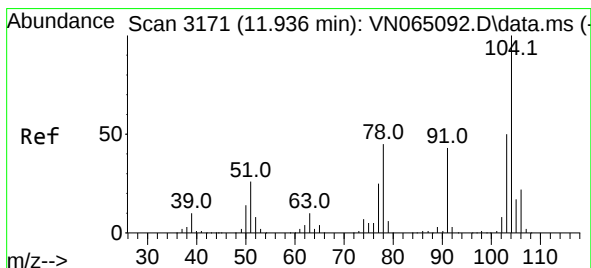
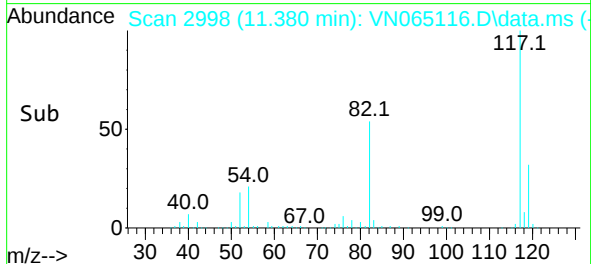
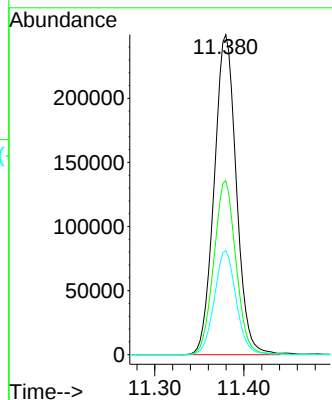
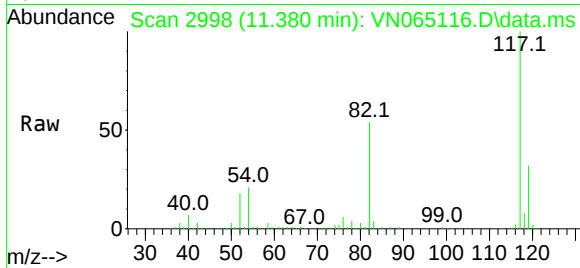




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

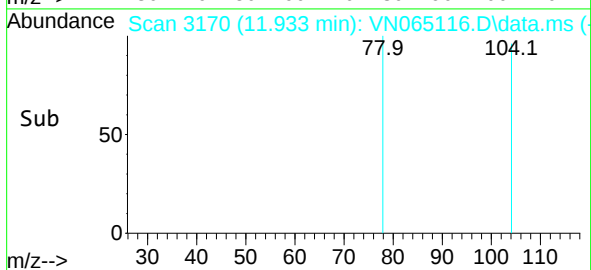
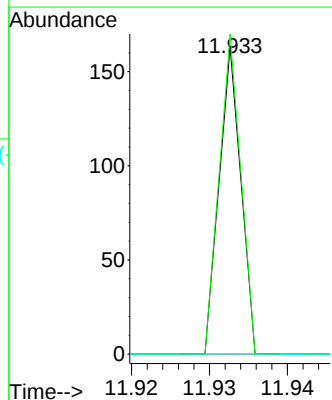
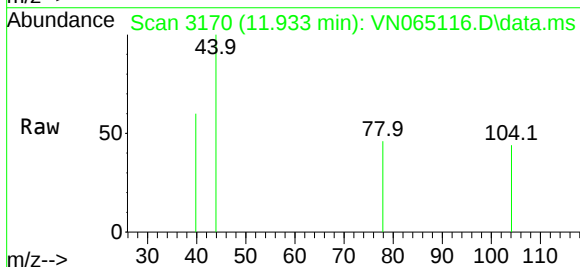
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBL02

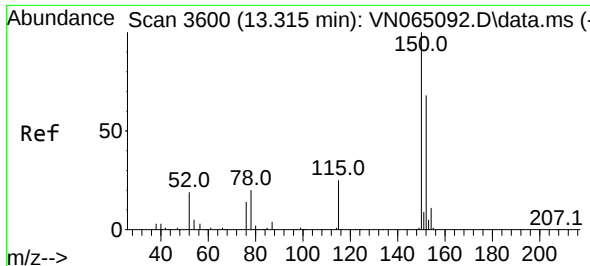
Tgt Ion:117 Resp: 431003
Ion Ratio Lower Upper
117 100
82 54.4 44.2 66.2
119 32.5 25.8 38.6



#70
Styrene
Concen: 1.38 ug/l
RT: 11.933 min Scan# 3170
Delta R.T. -0.003 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

Tgt Ion:104 Resp: 31
Ion Ratio Lower Upper
104 100
78 106.5 39.0 58.6#
103 0.0 44.3 66.5#

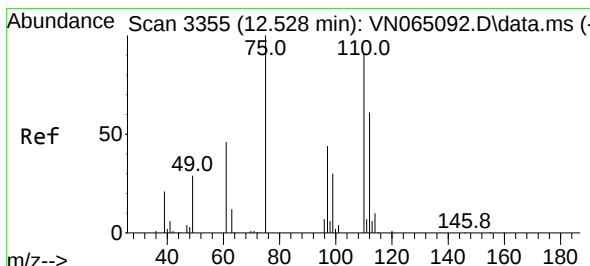
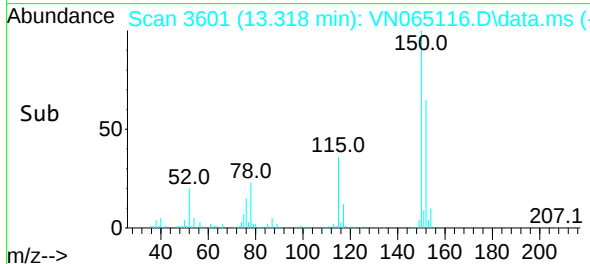
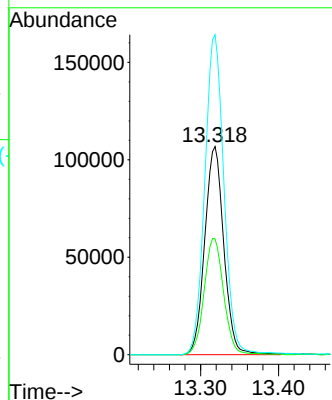
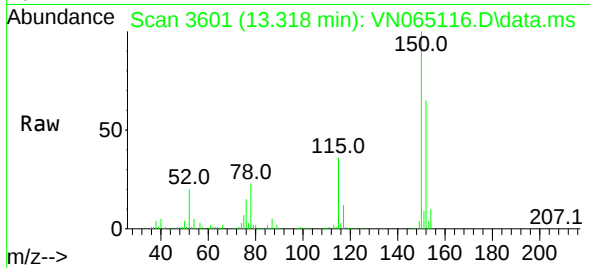




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.003 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

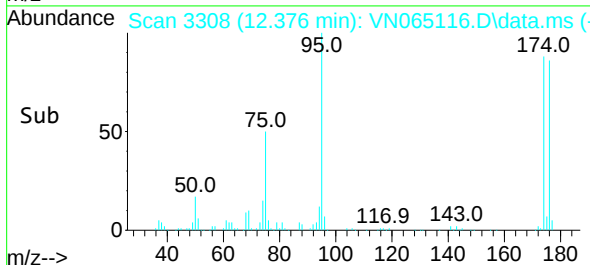
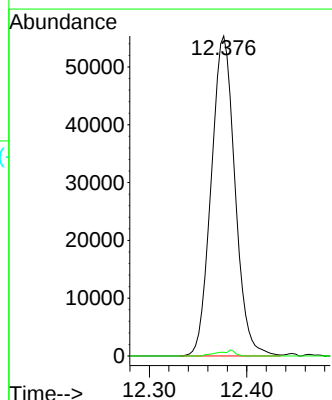
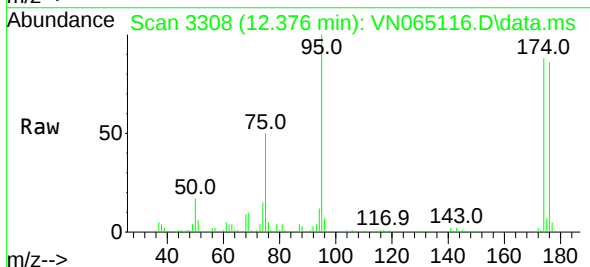
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBL02

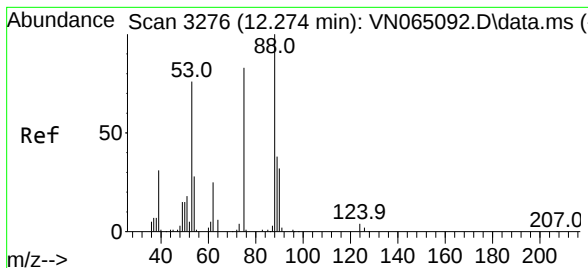
Tgt Ion:152 Resp: 181568
Ion Ratio Lower Upper
152 100
115 57.1 29.7 89.1
150 153.6 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 28.78 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.152 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

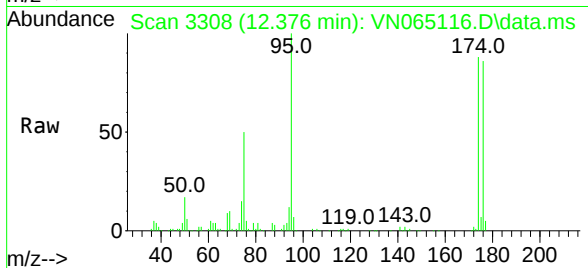
Tgt Ion: 75 Resp: 93774
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



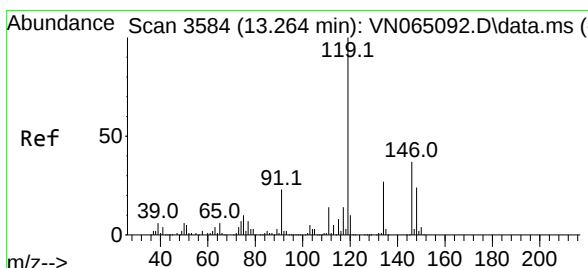
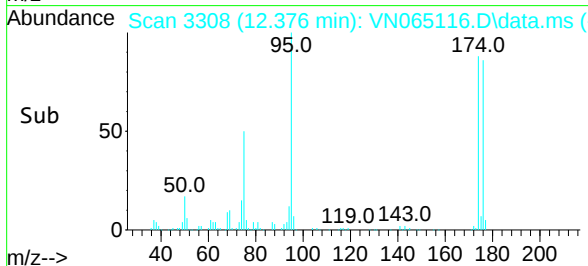
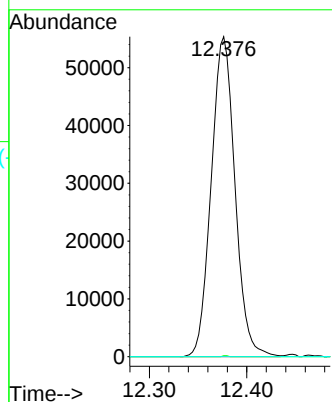


#81
trans-1,4-Dichloro-2-butene
Concen: 80.09 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.102 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBL02

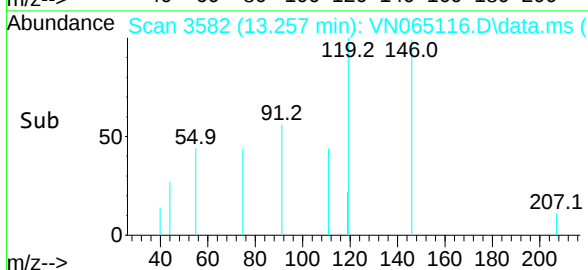
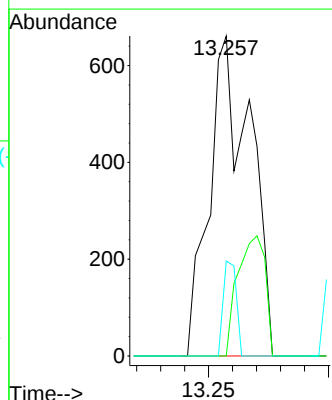
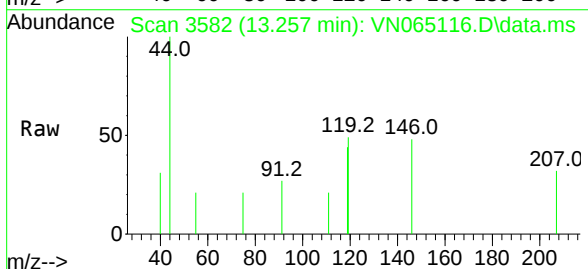


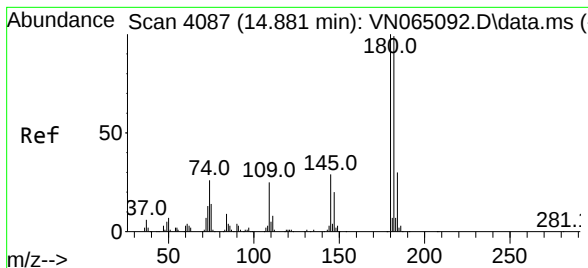
Tgt Ion: 75 Resp: 93774
Ion Ratio Lower Upper
75 100
53 0.1 67.0 100.4#
89 0.0 39.6 59.4#



#86
p-Isopropyltoluene
Concen: 1.13 ug/l
RT: 13.257 min Scan# 3582
Delta R.T. -0.007 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

Tgt Ion: 119 Resp: 782
Ion Ratio Lower Upper
119 100
134 25.3 13.1 39.1
91 9.5 11.5 34.5#

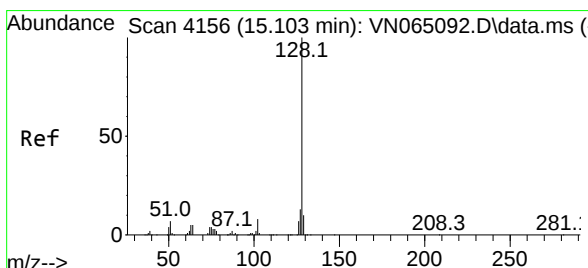
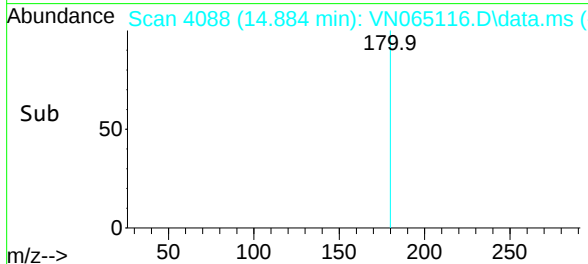
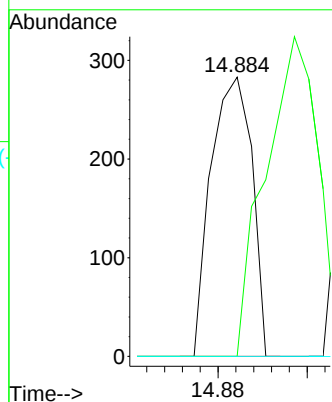
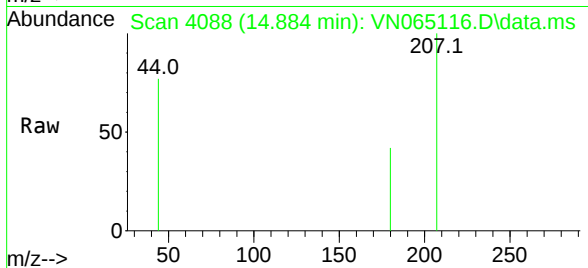




#93
1,2,4-Trichlorobenzene
Concen: 3.78 ug/l
RT: 14.884 min Scan# 4088
Delta R.T. 0.003 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

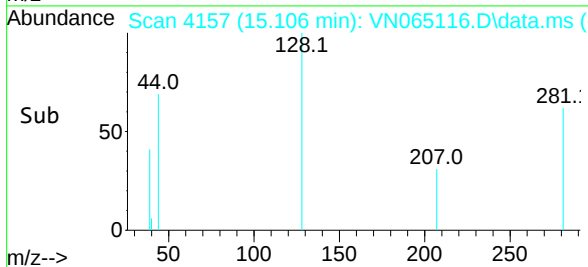
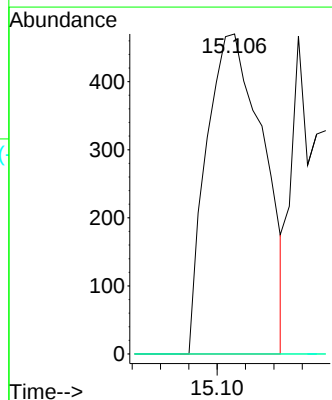
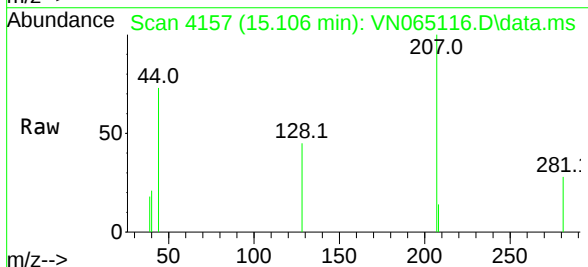
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBL02

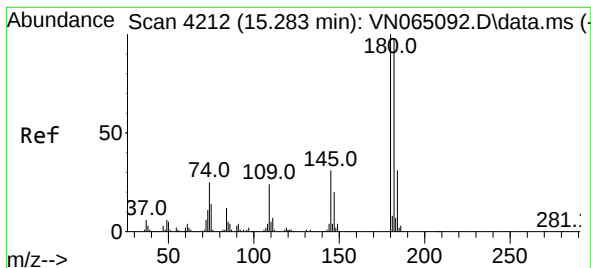
Tgt Ion:180	Resp:	181
Ion Ratio	Lower	Upper
180	100	
182	0.0	47.6 142.9#
145	0.0	15.3 45.8#



#95
Naphthalene
Concen: 4.28 ug/l
RT: 15.106 min Scan# 4157
Delta R.T. 0.003 min
Lab File: VN065116.D
Acq: 14 Dec 2020 22:13

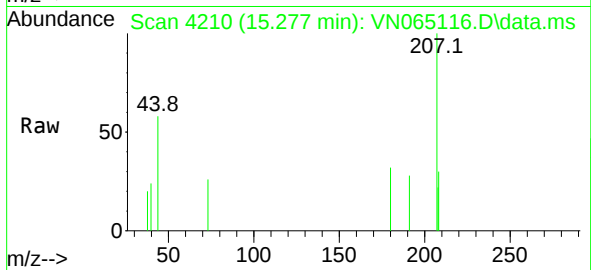
Tgt Ion:128	Resp:	654
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.3 15.5#
129	0.0	8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 4.09 ug/l
 RT: 15.277 min Scan# 4210
 Delta R.T. -0.006 min
 Lab File: VN065116.D
 Acq: 14 Dec 2020 22:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBL02



Tgt Ion:	180	Resp:	257
Ion	Ratio	Lower	Upper
180	100		
182	160.7	48.1	144.4#
145	0.0	16.4	49.1#

