

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121120\
 Data File : VN065086.D
 Acq On : 11 Dec 2020 22:01
 Operator : JC/MD
 Sample : L4992-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 12 04:25:08 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)

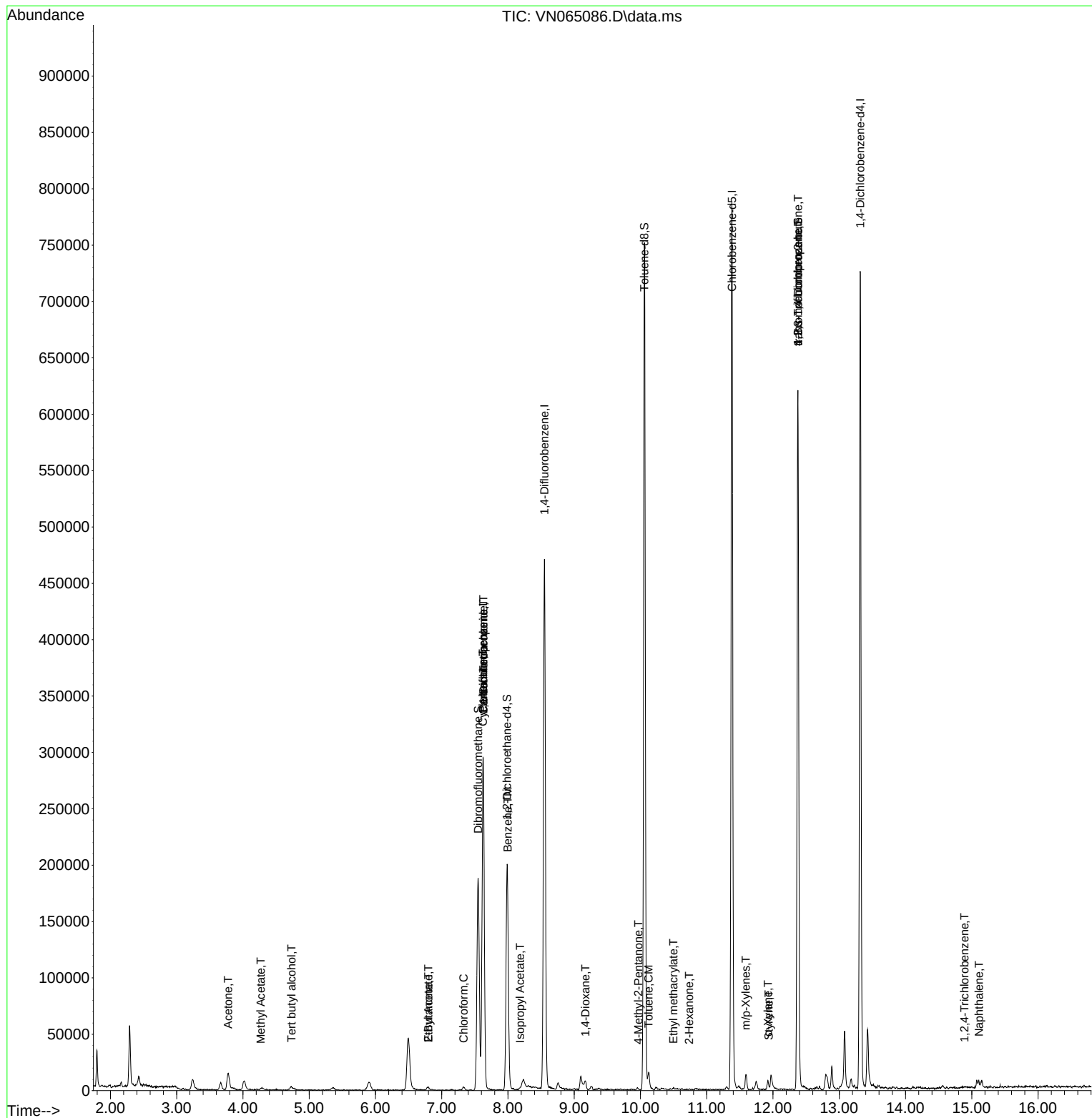
Internal Standards						
1) Pentafluorobenzene	7.624	168	238305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	416576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	437393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	195782	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	171844	62.04	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 124.08%			
35) Dibromofluoromethane	7.550	113	142180	50.44	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.88%			
50) Toluene-d8	10.058	98	516865	50.52	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.04%			
62) 4-Bromofluorobenzene	12.376	95	206022	57.35	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 114.70%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.734	59	4921	14.45	ug/l #	86
16) Acetone	3.775	43	25953	35.45	ug/l #	82
18) Methyl Acetate	4.271	43	1006	0.44	ug/l	96
20) Methylene Chloride	4.499	84	70	Below Cal	#	22
25) 2-Butanone	6.798	43	4235	3.09	ug/l #	82
30) Chloroform	7.331	83	2947	0.68	ug/l	94
31) Cyclohexane	7.621	56	5272	1.48	ug/l #	44
36) 1,1-Dichloropropene	7.627	75	18421	4.85	ug/l #	50
37) Ethyl Acetate	6.798	43	4235	1.21	ug/l #	66
38) Carbon Tetrachloride	7.627	117	23078	5.38	ug/l #	17
40) Benzene	7.997	78	7670	0.67	ug/l	95
43) Isopropyl Acetate	8.184	43	1535	0.26	ug/l #	59
49) 1,4-Dioxane	9.171	88	4308	92.48	ug/l #	51
51) 4-Methyl-2-Pentanone	9.968	43	2035	0.61	ug/l #	48
52) Toluene	10.122	92	5682	0.79	ug/l	96
56) Ethyl methacrylate	10.495	69	130	2.54	ug/l #	18
59) 2-Hexanone	10.733	43	514	8.78	ug/l #	23
68) m/p-Xylenes	11.592	106	4208	0.71	ug/l	94
69) o-Xylene	11.926	106	2119	0.38	ug/l	99
70) Styrene	11.936	104	261	1.87	ug/l #	42
76) 1,2,3-Trichloropropane	12.376	75	105990	29.27	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	105990	84.47	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.891	180	90	4.15	ug/l #	12
95) Naphthalene	15.109	128	4986	5.21	ug/l #	73

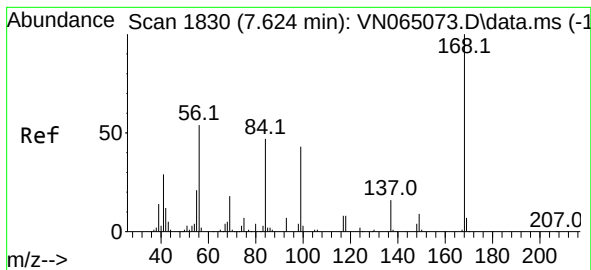
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Dec 12 04:18:15 2020
Response via : Initial Calibration

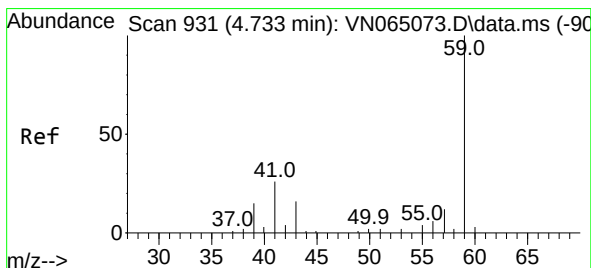
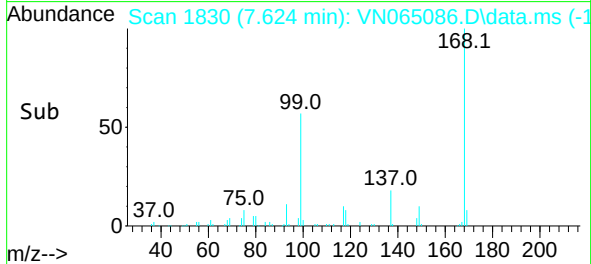
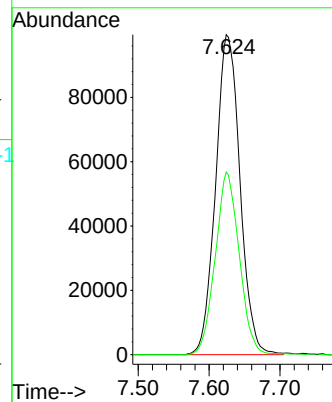
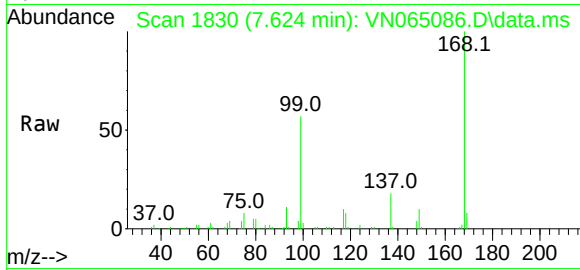




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN065086.D
Acq: 11 Dec 2020 22:01

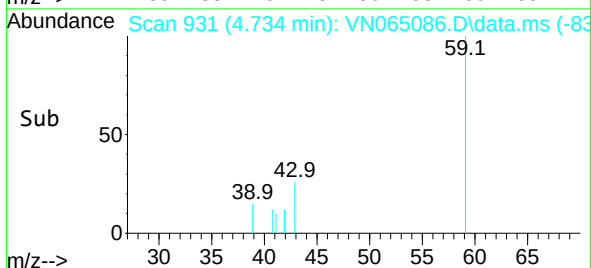
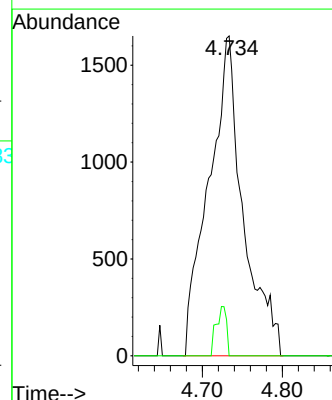
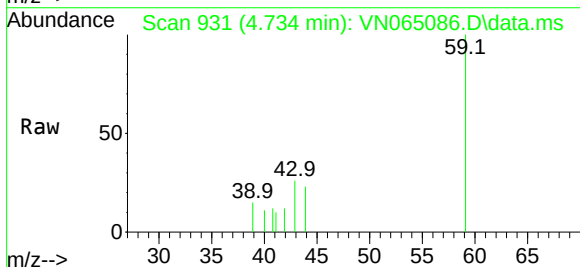
Instrument :
MSVOA_N
ClientSampled :

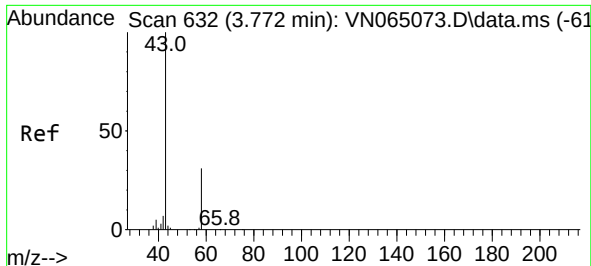
Tgt Ion:168 Resp: 238305
Ion Ratio Lower Upper
168 100
99 57.1 43.0 64.4



#11
Tert butyl alcohol
Concen: 14.45 ug/l
RT: 4.734 min Scan# 931
Delta R.T. 0.001 min
Lab File: VN065086.D
Acq: 11 Dec 2020 22:01

Tgt Ion: 59 Resp: 4921
Ion Ratio Lower Upper
59 100
57 4.6 7.9 11.9#

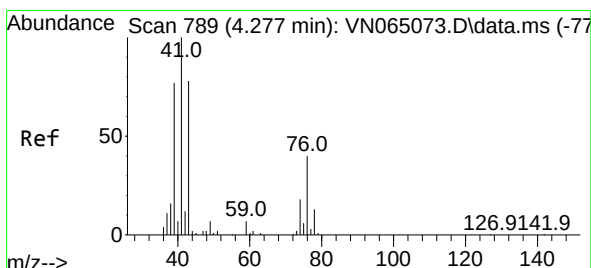
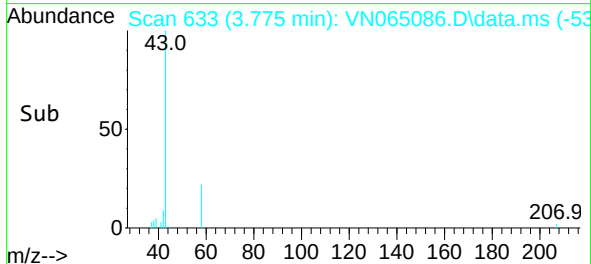
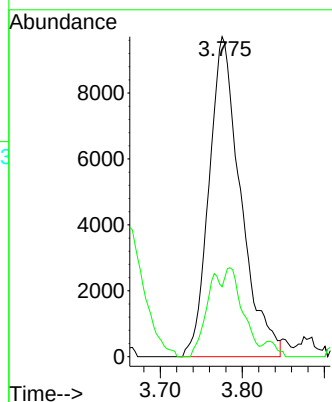
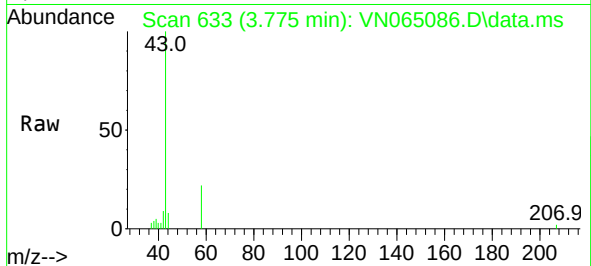




#16
Acetone
Concen: 35.45 ug/l
RT: 3.775 min Scan# 633
Delta R.T. 0.003 min
Lab File: VN065086.D
Acq: 11 Dec 2020 22:01

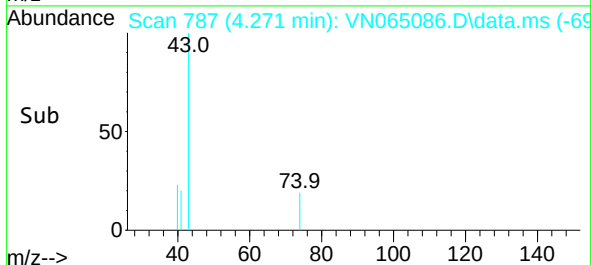
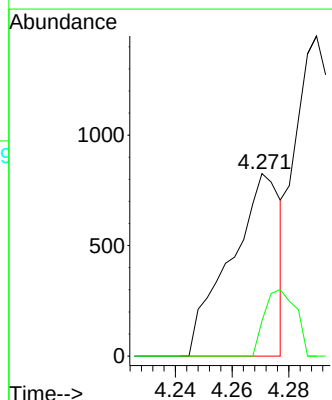
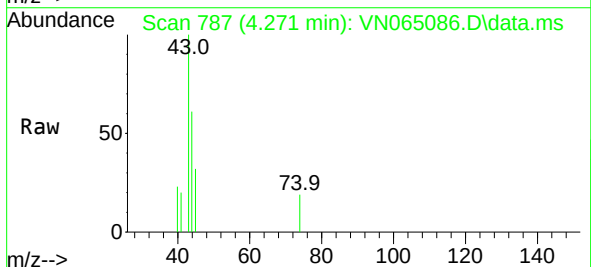
Instrument :
MSVOA_N
ClientSampled :

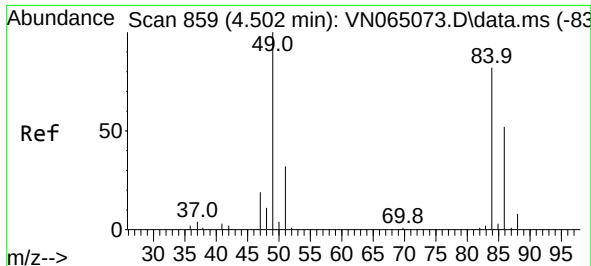
Tgt Ion: 43 Resp: 25953
Ion Ratio Lower Upper
43 100
58 21.9 25.7 38.5#



#18
Methyl Acetate
Concen: 0.44 ug/l
RT: 4.271 min Scan# 787
Delta R.T. -0.006 min
Lab File: VN065086.D
Acq: 11 Dec 2020 22:01

Tgt Ion: 43 Resp: 1006
Ion Ratio Lower Upper
43 100
74 23.1 20.2 30.2





#20

Methylene Chloride

Concen: Below Cal

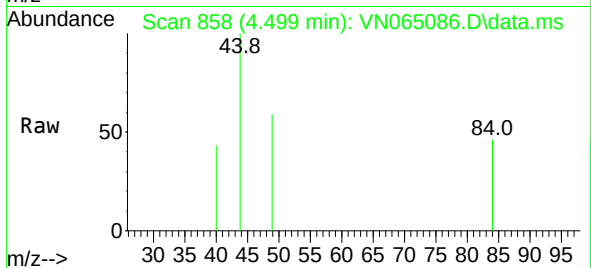
RT: 4.499 min Scan# 858

Delta R.T. -0.003 min

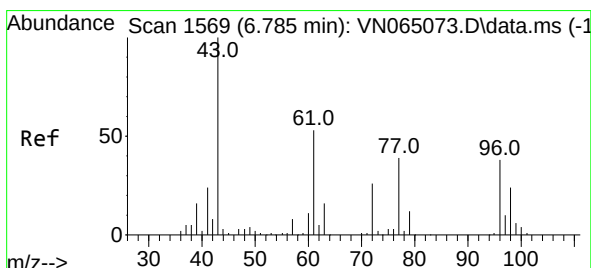
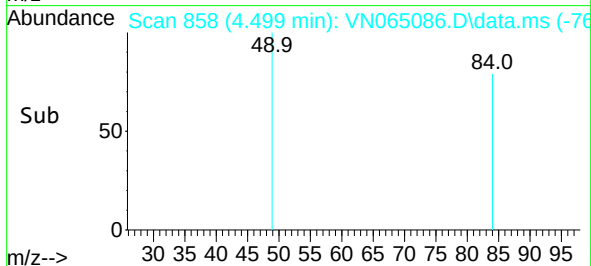
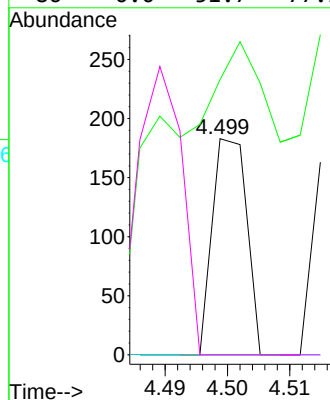
Lab File: VN065086.D

Acq: 11 Dec 2020 22:01

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84	Resp: 70		
Ion	Ratio	Lower	Upper
84	100		
49	29.0	93.4	140.0#
51	0.0	28.2	42.4#
86	0.0	51.7	77.5#



#25

2-Butanone

Concen: 3.09 ug/l

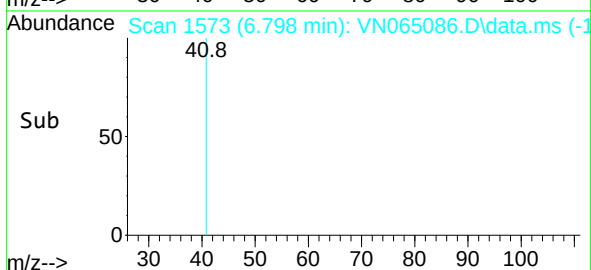
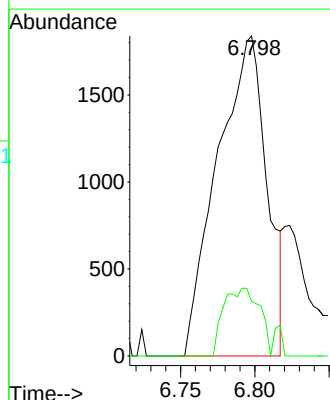
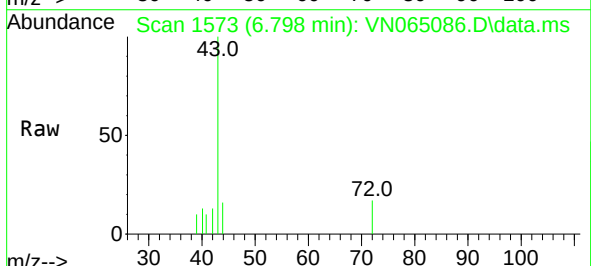
RT: 6.798 min Scan# 1573

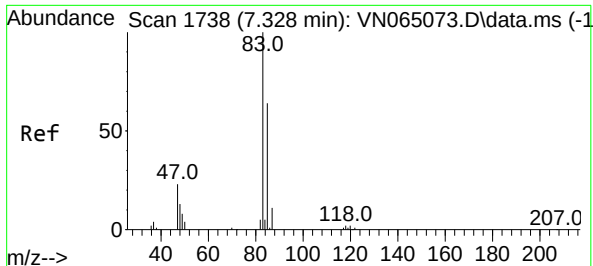
Delta R.T. 0.013 min

Lab File: VN065086.D

Acq: 11 Dec 2020 22:01

Tgt Ion: 43	Resp: 4235		
Ion Ratio	Lower	Upper	
43 100			
72 17.1	21.0	31.6#	





#30

Chloroform

Concen: 0.68 ug/l

RT: 7.331 min Scan# 1739

Delta R.T. 0.003 min

Lab File: VN065086.D

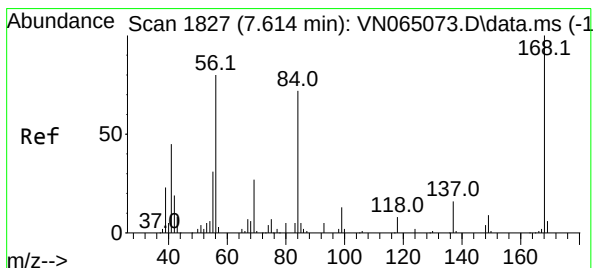
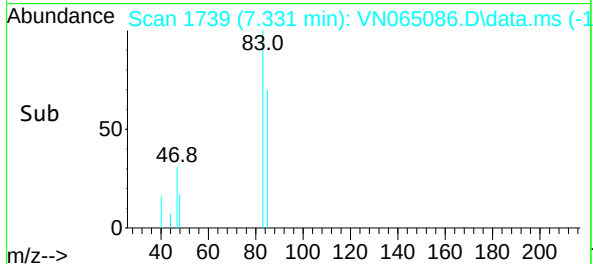
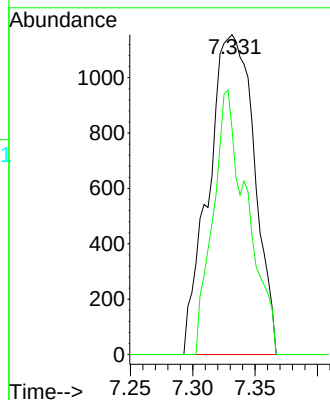
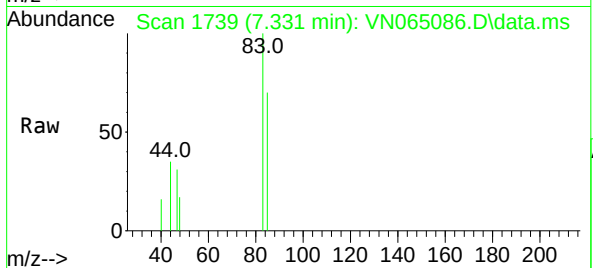
Acq: 11 Dec 2020 22:01

Tgt Ion: 83 Resp: 2947

Ion Ratio Lower Upper

83 100

85 70.5 52.6 78.8



#31

Cyclohexane

Concen: 1.48 ug/l

RT: 7.621 min Scan# 1829

Delta R.T. 0.007 min

Lab File: VN065086.D

Acq: 11 Dec 2020 22:01

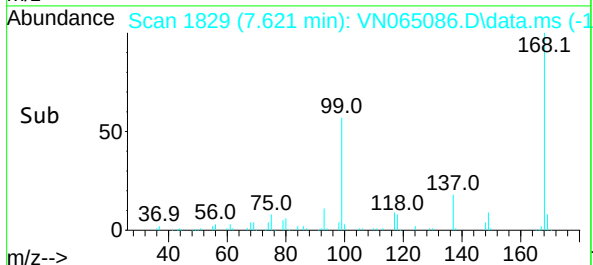
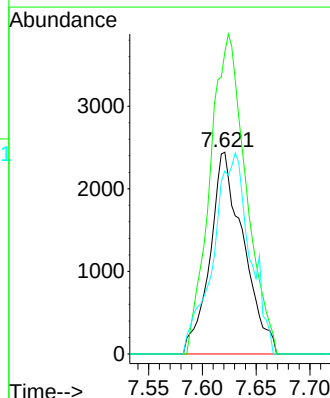
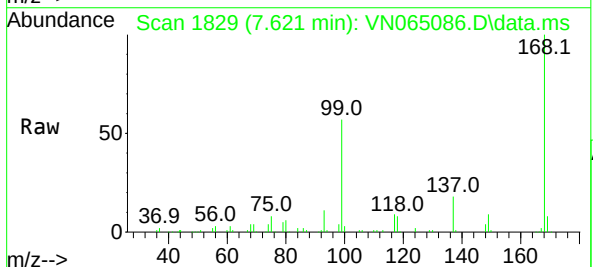
Tgt Ion: 56 Resp: 5272

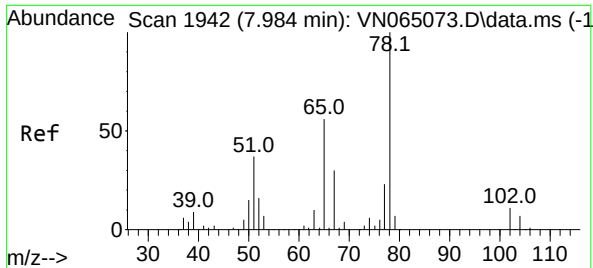
Ion Ratio Lower Upper

56 100

69 149.6 27.5 41.3#

84 90.7 73.9 110.9

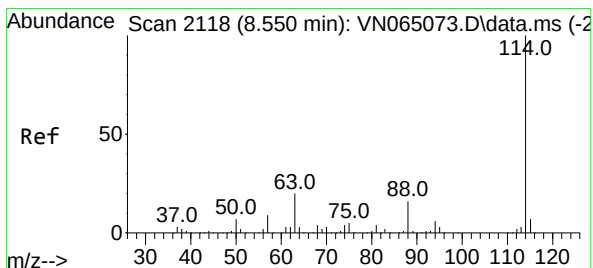
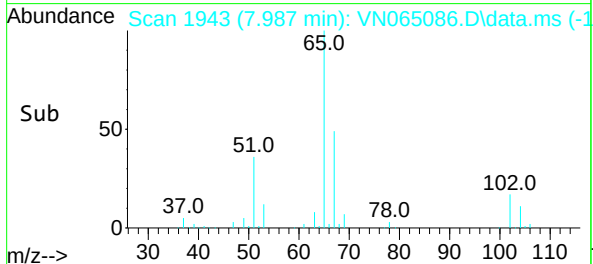
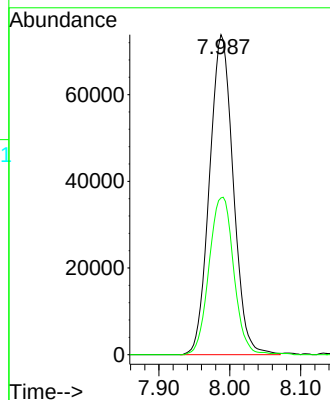
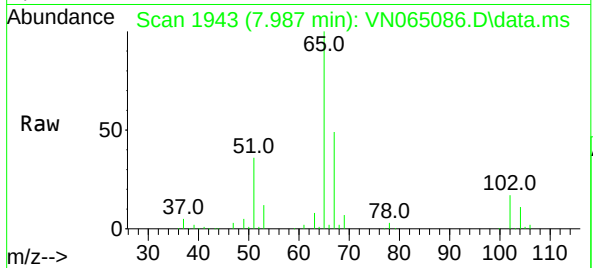




#33
1,2-Dichloroethane-d4
Concen: 62.04 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.003 min
Lab File: VN065086.D
Acq: 11 Dec 2020 22:01

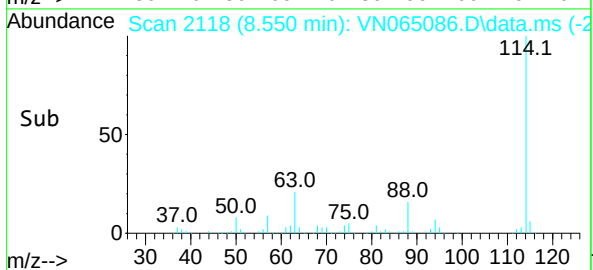
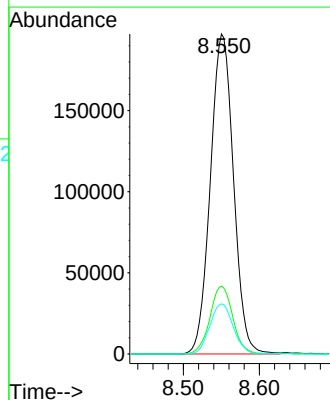
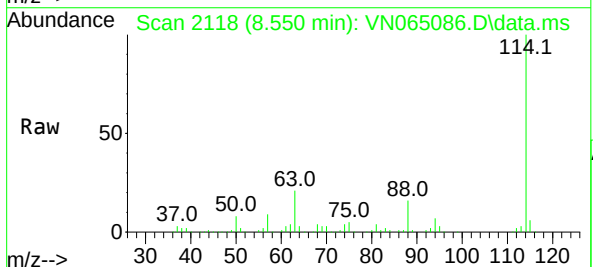
Instrument :
MSVOA_N
ClientSampled :

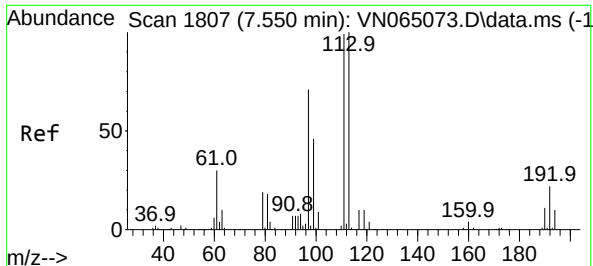
Tgt Ion: 65 Resp: 171844
Ion Ratio Lower Upper
65 100
67 51.1 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065086.D
Acq: 11 Dec 2020 22:01

Tgt Ion: 114 Resp: 416576
Ion Ratio Lower Upper
114 100
63 21.2 0.0 38.6
88 15.6 0.0 32.6

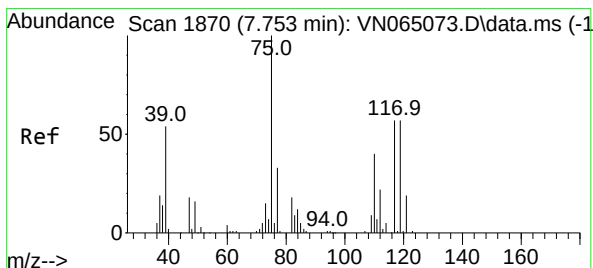
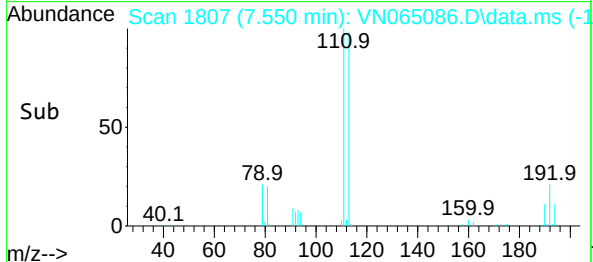
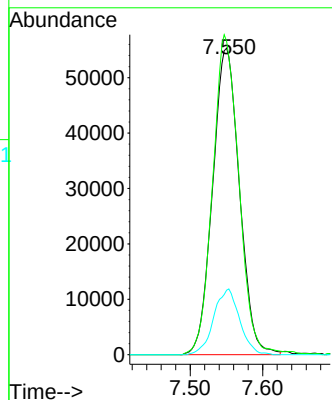
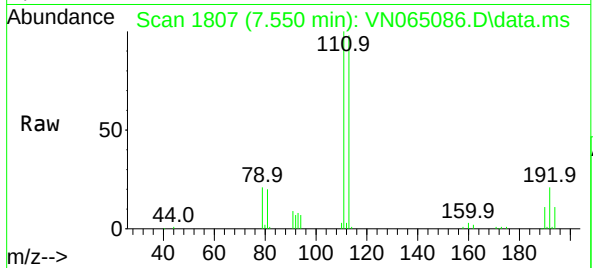




#35
Dibromofluoromethane
Concen: 50.44 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN065086.D
Acq: 11 Dec 2020 22:01

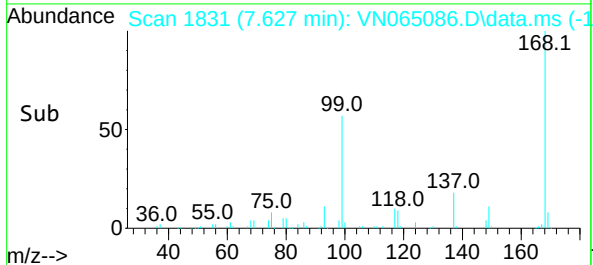
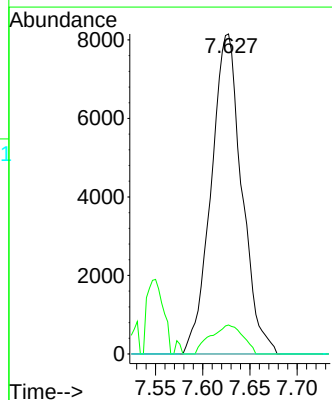
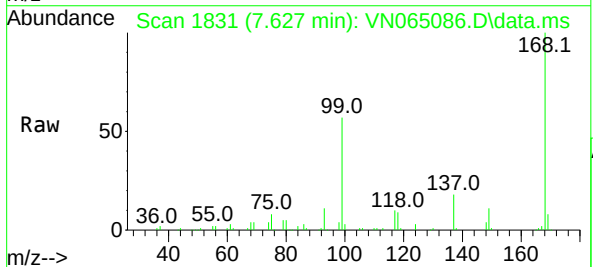
Instrument :
MSVOA_N
ClientSampled :

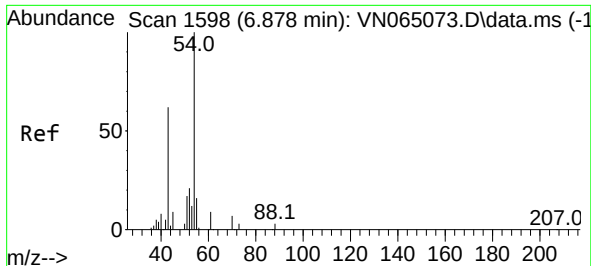
Tgt Ion:113 Resp: 142180
Ion Ratio Lower Upper
113 100
111 101.6 81.6 122.4
192 20.7 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.85 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065086.D
Acq: 11 Dec 2020 22:01

Tgt Ion: 75 Resp: 18421
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.21 ug/l

RT: 6.798 min Scan# 1573

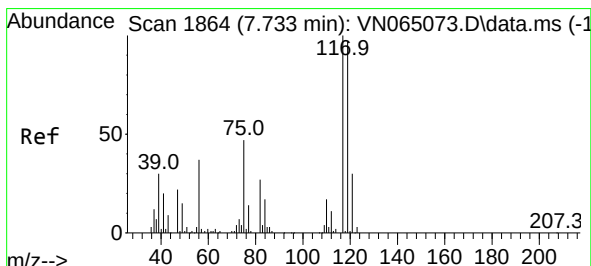
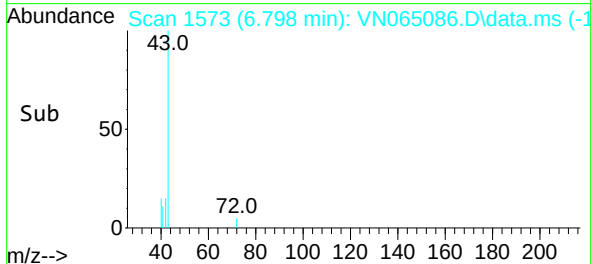
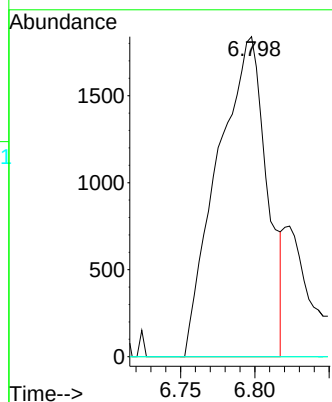
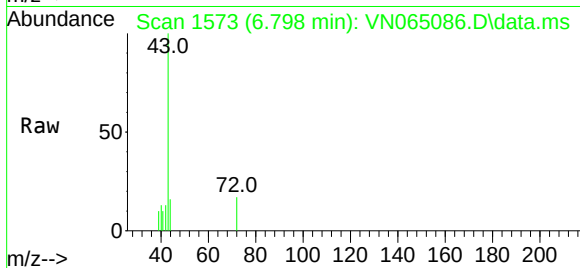
Delta R.T. -0.080 min

Lab File: VN065086.D

Acq: 11 Dec 2020 22:01

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	43	Resp:	4235
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.38 ug/l

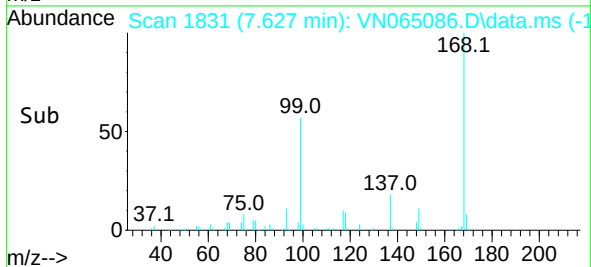
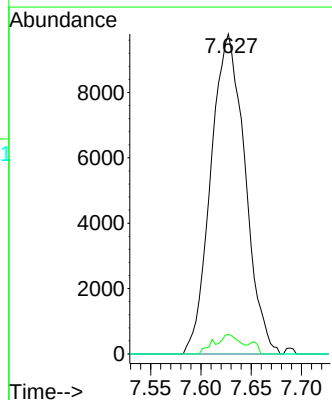
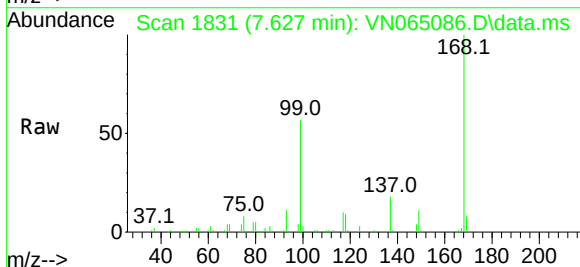
RT: 7.627 min Scan# 1831

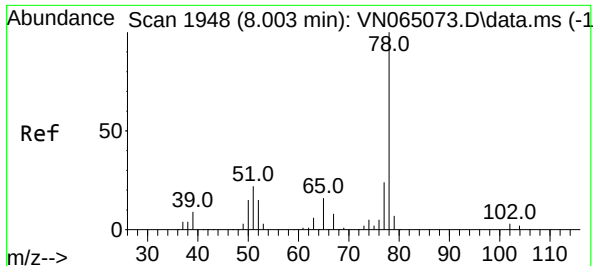
Delta R.T. -0.106 min

Lab File: VN065086.D

Acq: 11 Dec 2020 22:01

Tgt Ion:	117	Resp:	23078
Ion	Ratio	Lower	Upper
117	100		
119	6.2	76.7	115.1#
121	0.0	25.4	38.2#





#40

Benzene

Concen: 0.67 ug/l

RT: 7.997 min Scan# 1946

Delta R.T. -0.006 min

Lab File: VN065086.D

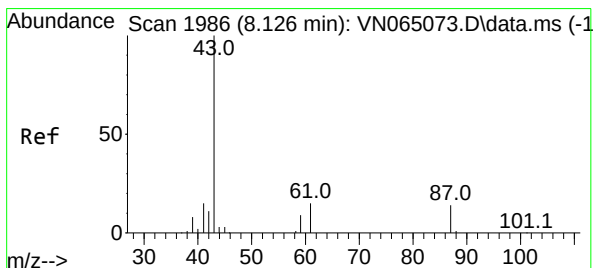
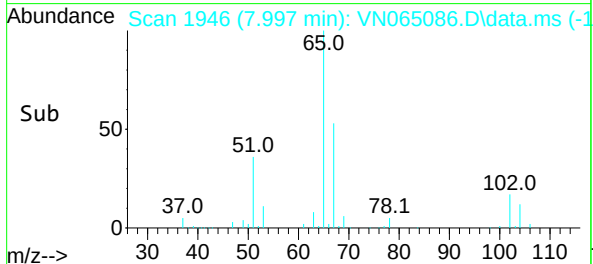
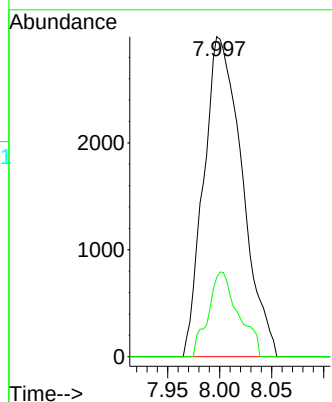
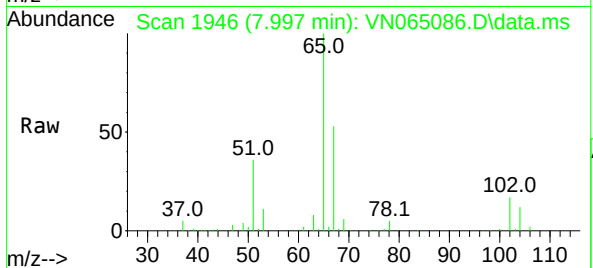
Acq: 11 Dec 2020 22:01

Tgt Ion: 78 Resp: 7670

Ion Ratio Lower Upper

78 100

77 24.8 17.9 26.9



#43

Isopropyl Acetate

Concen: 0.26 ug/l

RT: 8.184 min Scan# 2004

Delta R.T. 0.058 min

Lab File: VN065086.D

Acq: 11 Dec 2020 22:01

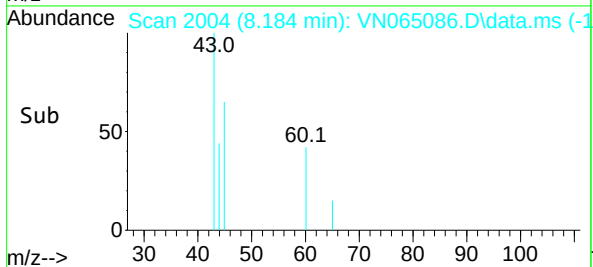
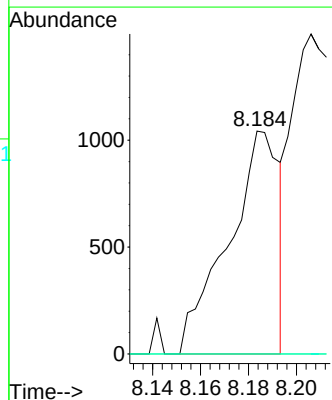
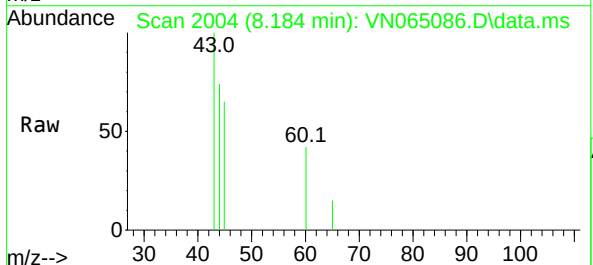
Tgt Ion: 43 Resp: 1535

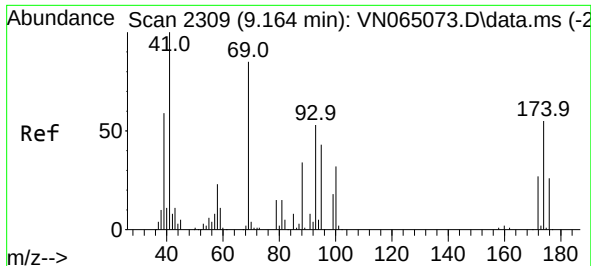
Ion Ratio Lower Upper

43 100

61 0.0 17.2 25.8#

87 0.0 11.4 17.0#





#49

1,4-Dioxane

Concen: 92.48 ug/l

RT: 9.171 min Scan# 2311

Delta R.T. 0.007 min

Lab File: VN065086.D

Acq: 11 Dec 2020 22:01

Tgt Ion: 88 Resp: 4308

Ion Ratio Lower Upper

88 100

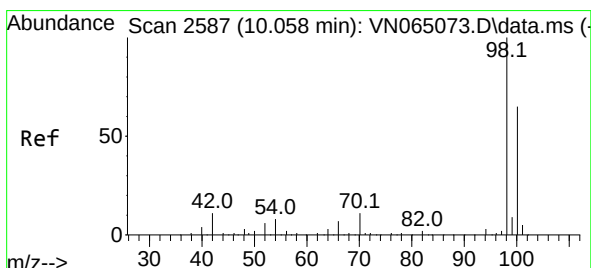
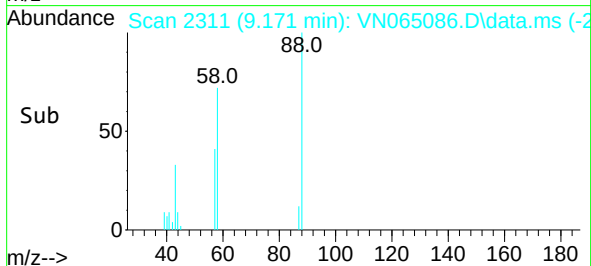
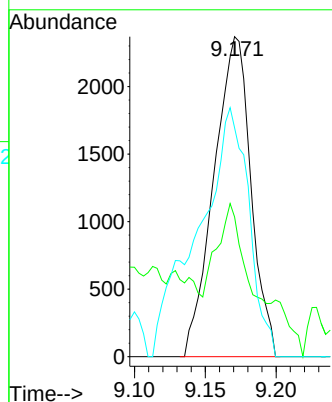
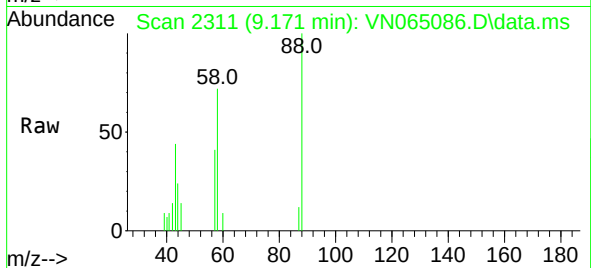
43 54.2 24.2 36.4#

58 106.7 52.5 78.7#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 50.52 ug/l

RT: 10.058 min Scan# 2587

Delta R.T. 0.000 min

Lab File: VN065086.D

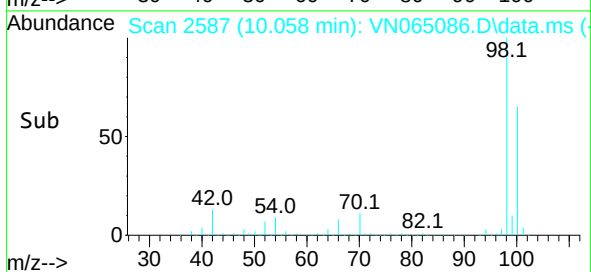
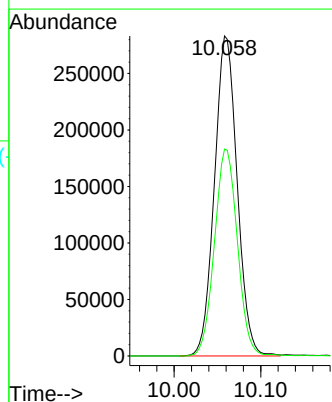
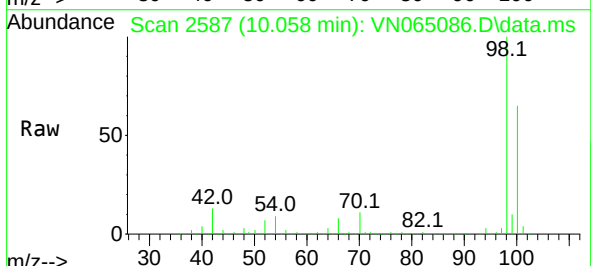
Acq: 11 Dec 2020 22:01

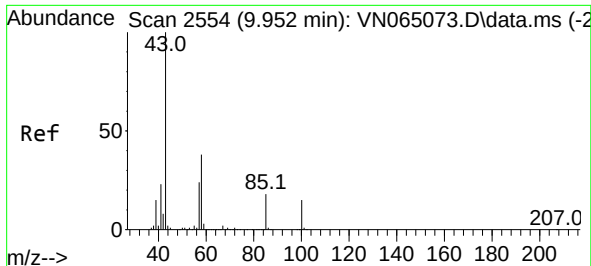
Tgt Ion: 98 Resp: 516865

Ion Ratio Lower Upper

98 100

100 65.4 51.7 77.5

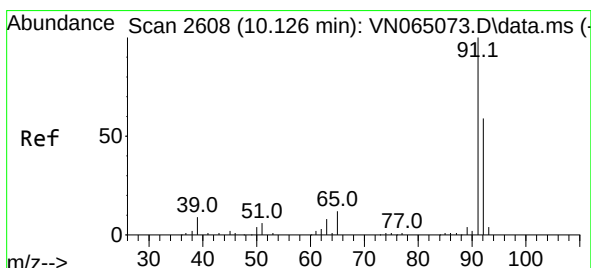
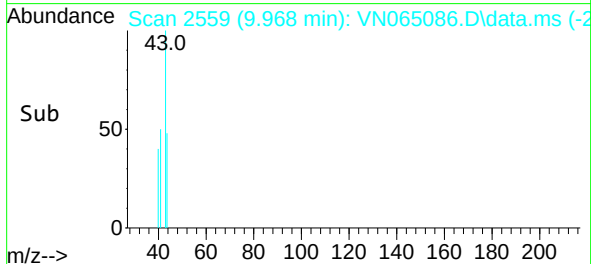
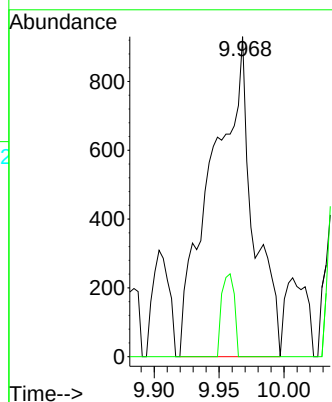
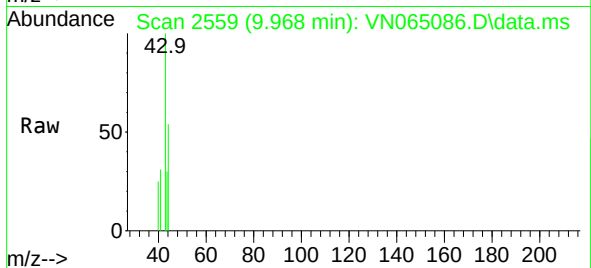




#51
4-Methyl-2-Pentanone
Concen: 0.61 ug/l
RT: 9.968 min Scan# 2559
Delta R.T. 0.016 min
Lab File: VN065086.D
Acq: 11 Dec 2020 22:01

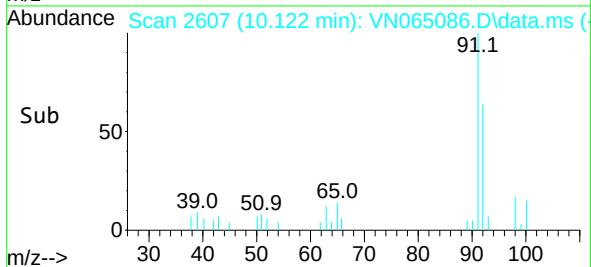
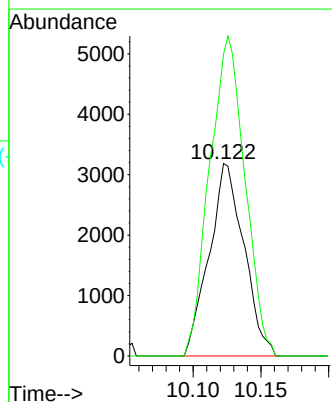
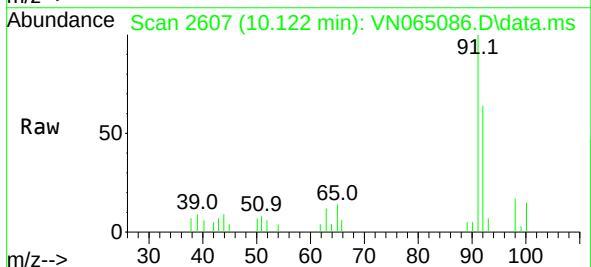
Instrument :
MSVOA_N
ClientSampled :

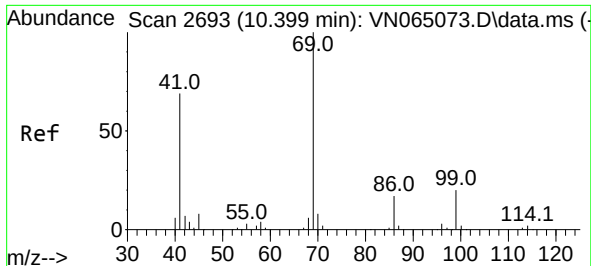
Tgt Ion: 43 Resp: 2035
Ion Ratio Lower Upper
43 100
58 7.9 32.4 48.6#



#52
Toluene
Concen: 0.79 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. -0.004 min
Lab File: VN065086.D
Acq: 11 Dec 2020 22:01

Tgt Ion: 92 Resp: 5682
Ion Ratio Lower Upper
92 100
91 168.7 139.1 208.7

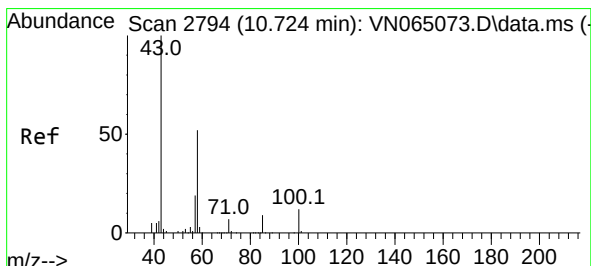
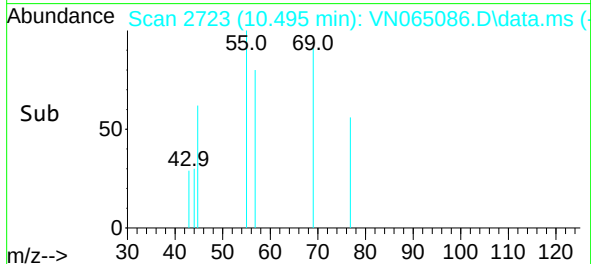
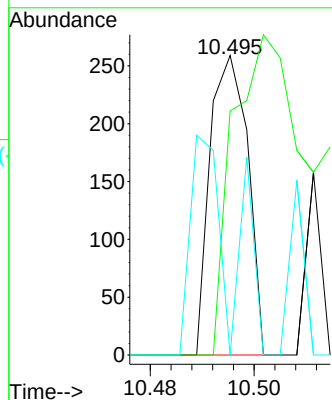
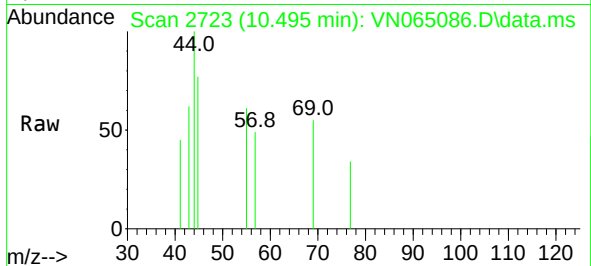




#56
Ethyl methacrylate
Concen: 2.54 ug/l
RT: 10.495 min Scan# 2723
Delta R.T. 0.096 min
Lab File: VN065086.D
Acq: 11 Dec 2020 22:01

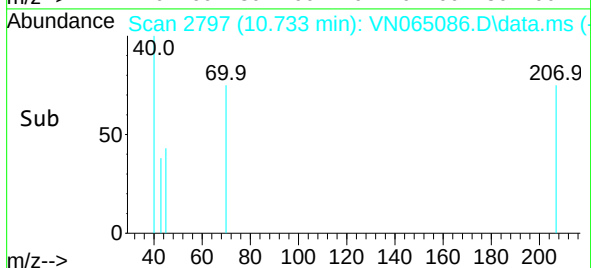
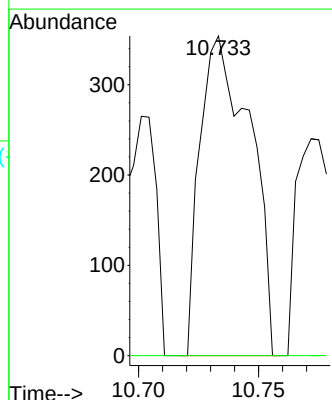
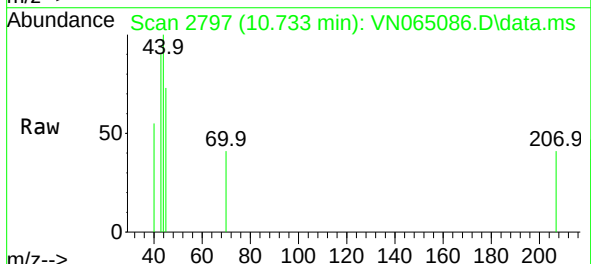
Instrument :
MSVOA_N
ClientSampled :

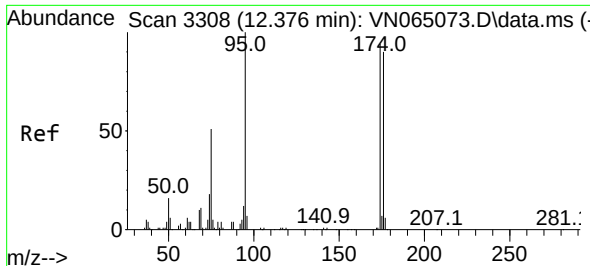
Tgt Ion: 69 Resp: 130
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 80.0 25.9 38.9#



#59
2-Hexanone
Concen: 8.78 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.009 min
Lab File: VN065086.D
Acq: 11 Dec 2020 22:01

Tgt Ion: 43 Resp: 514
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#

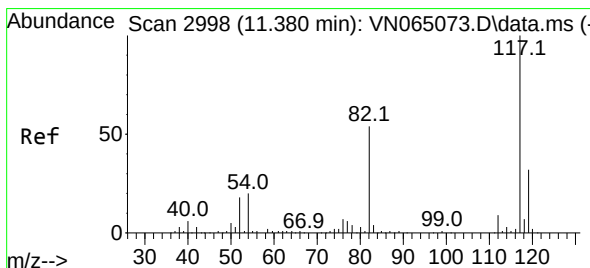
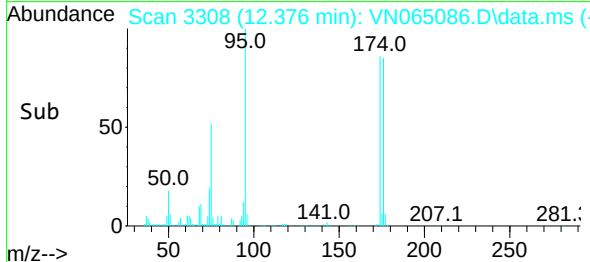
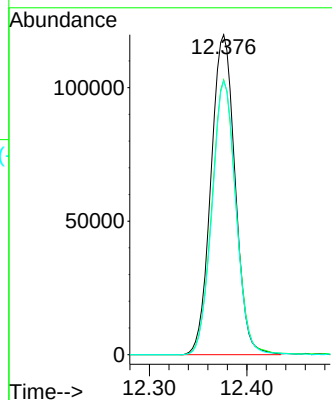
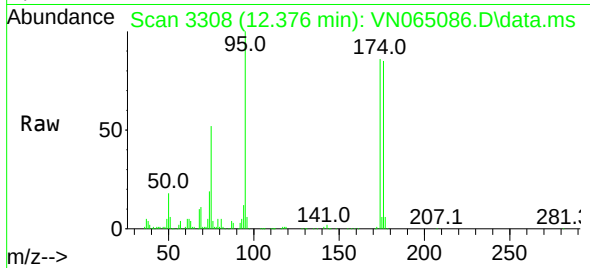




#62
4-Bromofluorobenzene
Concen: 57.35 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065086.D
Acq: 11 Dec 2020 22:01

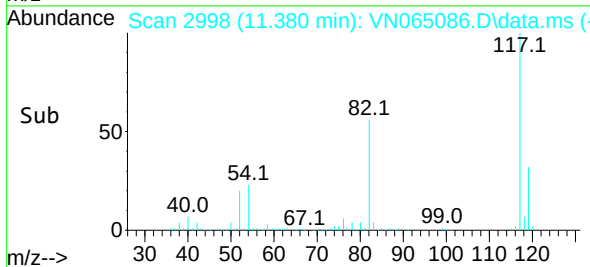
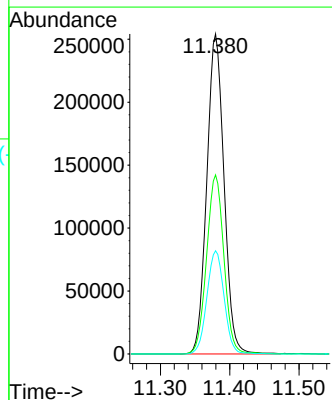
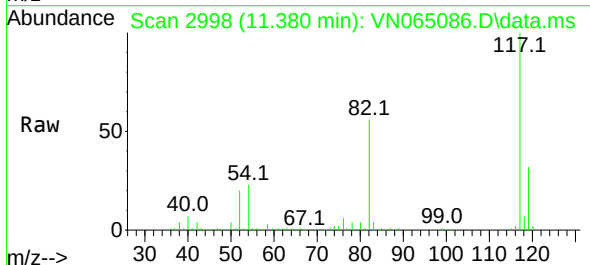
Instrument :
MSVOA_N
ClientSampled :

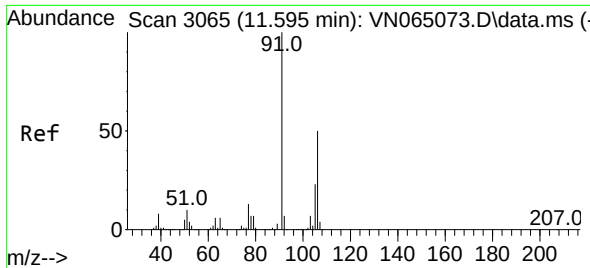
Tgt Ion: 95 Resp: 206022
Ion Ratio Lower Upper
95 100
174 86.0 0.0 160.4
176 84.6 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065086.D
Acq: 11 Dec 2020 22:01

Tgt Ion: 117 Resp: 437393
Ion Ratio Lower Upper
117 100
82 55.9 44.2 66.2
119 32.3 25.8 38.6

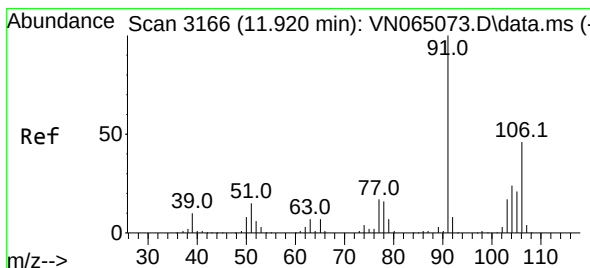
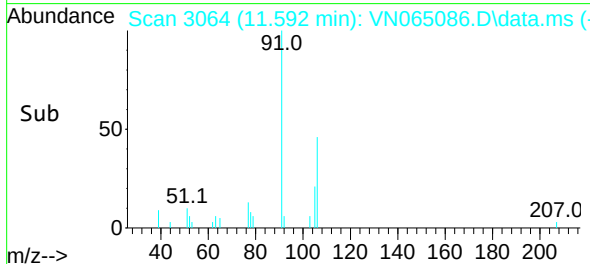
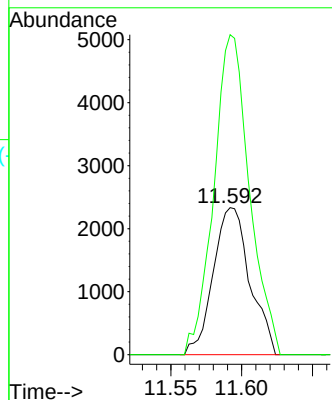
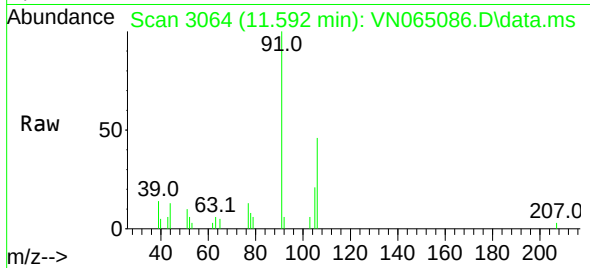




#68
m/p-Xylenes
Concen: 0.71 ug/l
RT: 11.592 min Scan# 3064
Delta R.T. -0.003 min
Lab File: VN065086.D
Acq: 11 Dec 2020 22:01

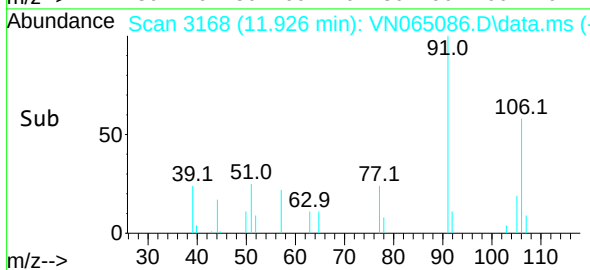
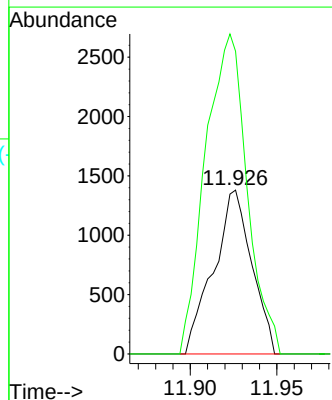
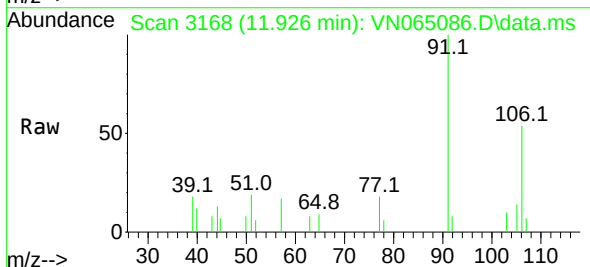
Instrument :
MSVOA_N
ClientSampled :

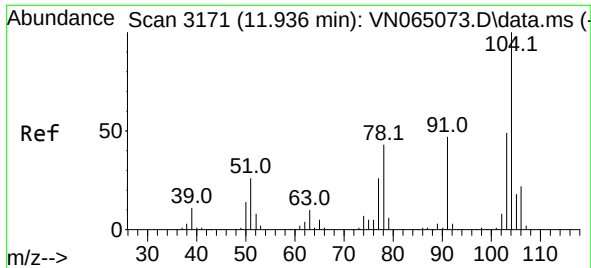
Tgt Ion:106 Resp: 4208
Ion Ratio Lower Upper
106 100
91 210.9 161.0 241.4



#69
o-Xylene
Concen: 0.38 ug/l
RT: 11.926 min Scan# 3168
Delta R.T. 0.006 min
Lab File: VN065086.D
Acq: 11 Dec 2020 22:01

Tgt Ion:106 Resp: 2119
Ion Ratio Lower Upper
106 100
91 212.4 105.5 316.5

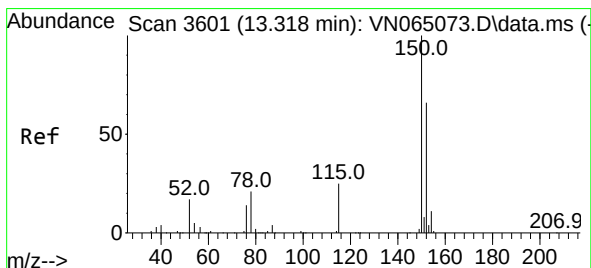
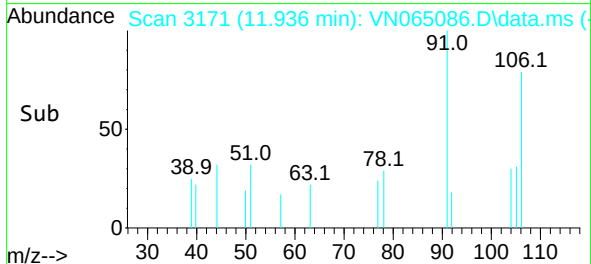
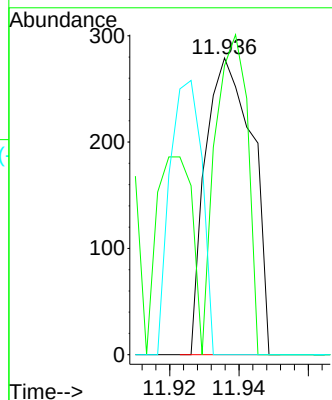
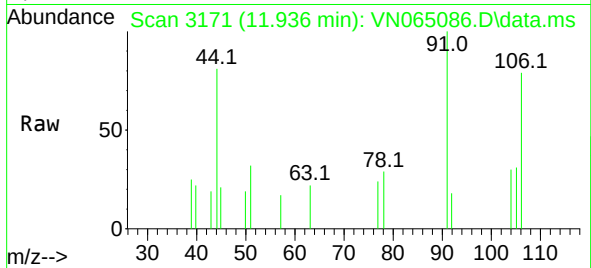




#70
Styrene
Concen: 1.87 ug/l
RT: 11.936 min Scan# 3171
Delta R.T. -0.000 min
Lab File: VN065086.D
Acq: 11 Dec 2020 22:01

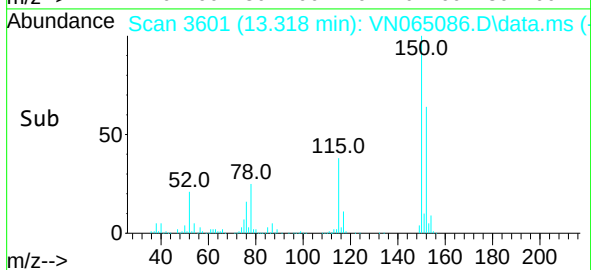
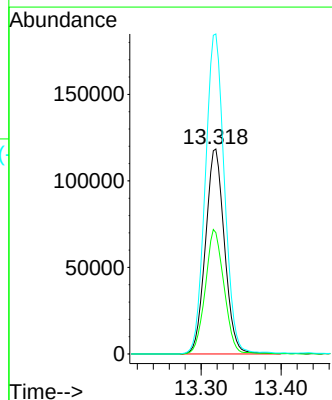
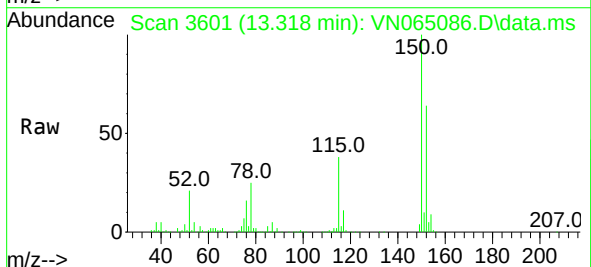
Instrument :
MSVOA_N
ClientSampled :

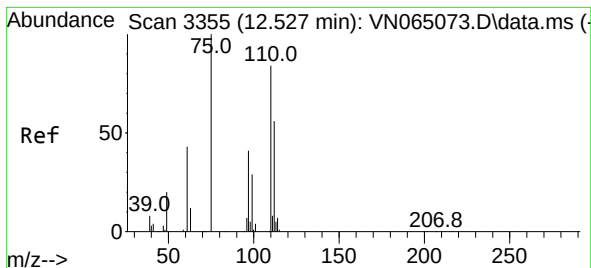
Tgt Ion:104 Resp: 261
Ion Ratio Lower Upper
104 100
78 74.7 39.0 58.6#
103 0.0 44.3 66.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065086.D
Acq: 11 Dec 2020 22:01

Tgt Ion:152 Resp: 195782
Ion Ratio Lower Upper
152 100
115 59.8 29.7 89.1
150 157.1 0.0 350.6

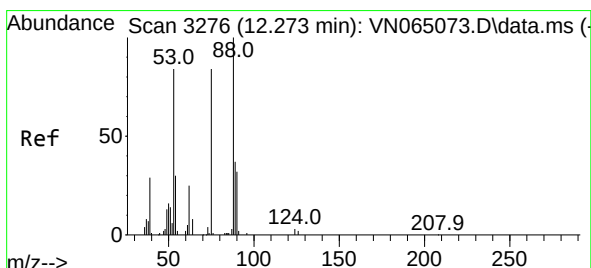
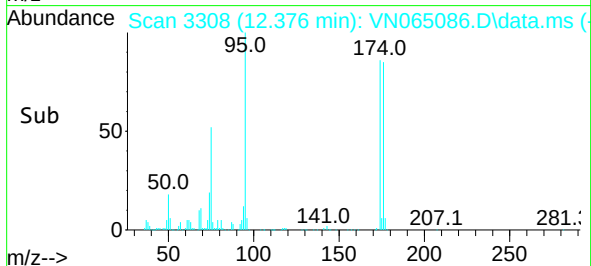
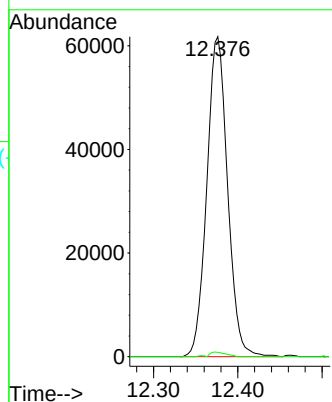
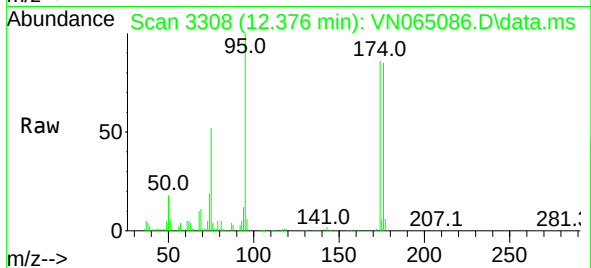




#76
1,2,3-Trichloropropane
Concen: 29.27 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065086.D
Acq: 11 Dec 2020 22:01

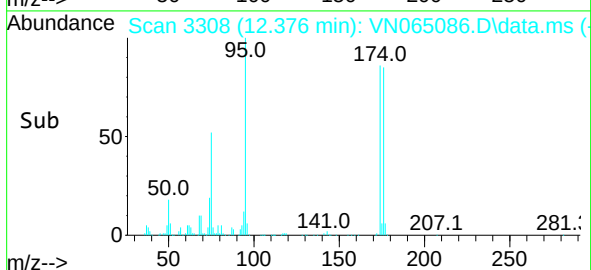
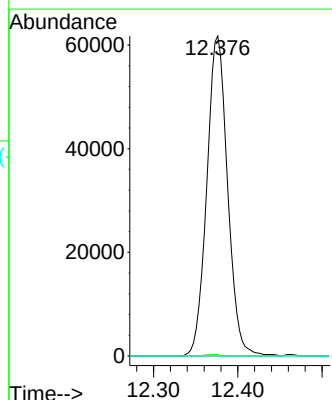
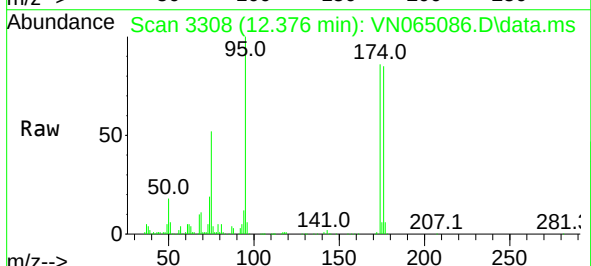
Instrument :
MSVOA_N
ClientSampled :

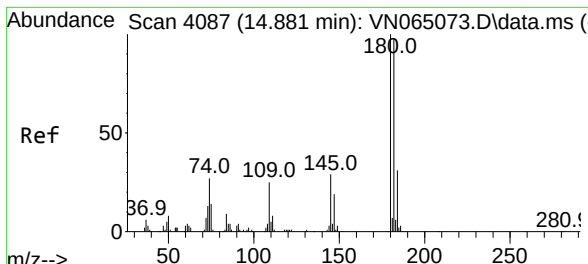
Tgt Ion: 75 Resp: 105990
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.47 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065086.D
Acq: 11 Dec 2020 22:01

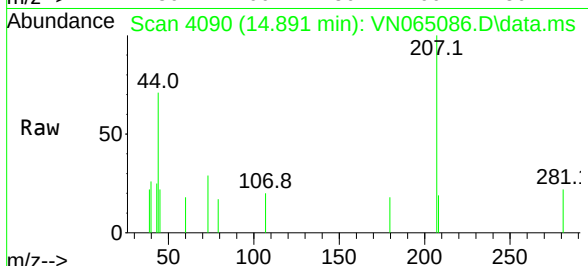
Tgt Ion: 75 Resp: 105990
Ion Ratio Lower Upper
75 100
53 0.3 67.0 100.4#
89 0.0 39.6 59.4#



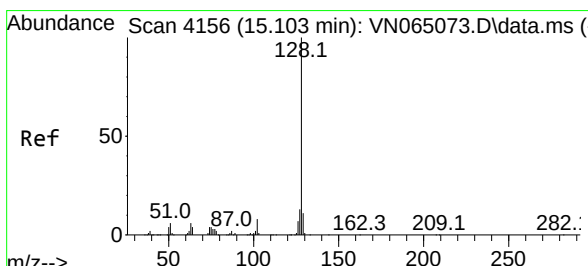
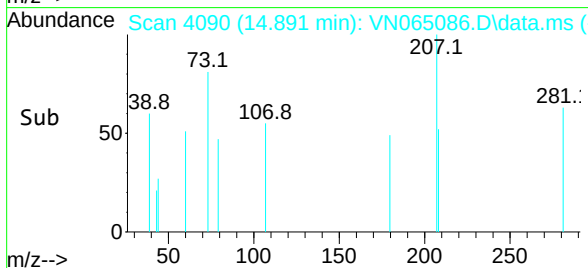
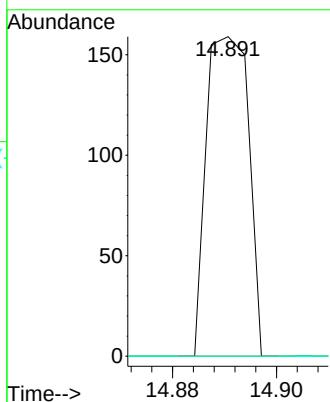


#93
 1,2,4-Trichlorobenzene
 Concen: 4.15 ug/l
 RT: 14.891 min Scan# 4090
 Delta R.T. 0.010 min
 Lab File: VN065086.D
 Acq: 11 Dec 2020 22:01

Instrument :
 MSVOA_N
 ClientSampled :



Tgt Ion:	180	Resp:	90
Ion Ratio	Lower	Upper	
180	100		
182	0.0	47.6	142.9#
145	0.0	15.3	45.8#



#95
 Naphthalene
 Concen: 5.21 ug/l
 RT: 15.109 min Scan# 4158
 Delta R.T. 0.006 min
 Lab File: VN065086.D
 Acq: 11 Dec 2020 22:01

Tgt Ion:	128	Resp:	4986
Ion Ratio	Lower	Upper	
128	100		
127	3.1	10.3	15.5#
129	0.0	8.7	13.1#

