

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030521\
 Data File : VN066144.D
 Acq On : 5 Mar 2021 19:14
 Operator : JC/MD
 Sample : M1563-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(MAR)

Quant Time: Mar 06 02:43:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Mar 06 02:33:59 2021
 Response via : Initial Calibration

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

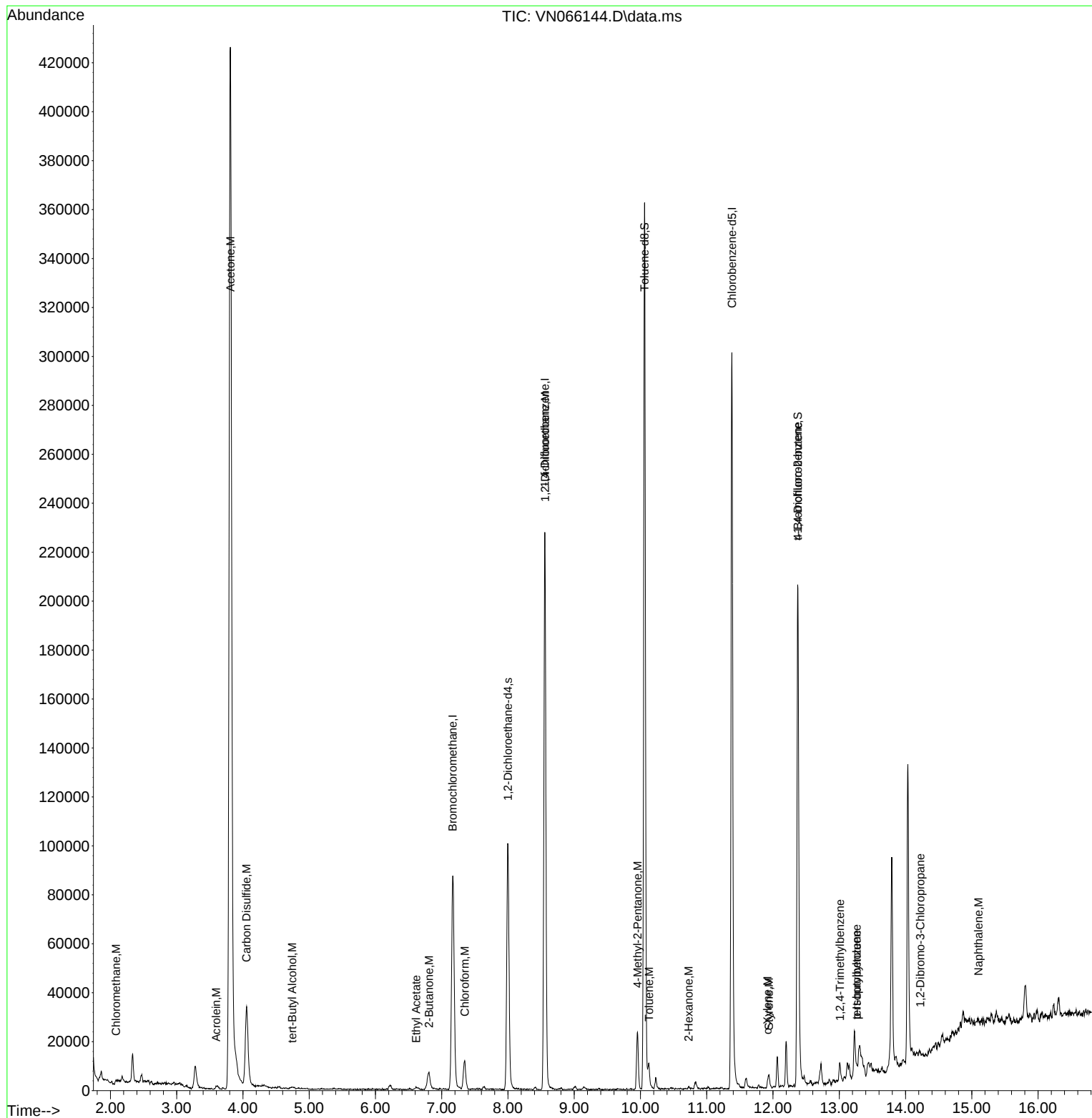
Internal Standards						
1) Bromochloromethane	7.167	128	36994	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.556	114	208278	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	187743	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.000	65	98508	30.67	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.23%
60) 4-Bromofluorobenzene	12.373	95	86931	26.73	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.10%
63) Toluene-d8	10.061	98	261156	30.87	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.90%
Target Compounds						Qvalue
3) Chloromethane	2.084	50	1284	0.53	ug/l #	84
13) Acrolein	3.595	56	534	1.55	ug/l #	56
15) Acetone	3.811	58	231880	825.10	ug/l #	57
16) Carbon Disulfide	4.055	76	2727	0.51	ug/l #	93
23) tert-Butyl Alcohol	4.746	59	185	0.43	ug/l #	100
25) Chloroform	7.348	83	12933	2.95	ug/l	97
30) 2-Butanone	6.807	43	9497	7.63	ug/l #	91
36) 1,2-Dichloroethane	8.560	62	7115	1.88	ug/l #	74
43) Ethyl Acetate	6.614	43	1455	0.56	ug/l	96
58) 4-Methyl-2-Pentanone	9.955	43	16238	6.53	ug/l	99
59) 2-Hexanone	10.727	43	384	0.22	ug/l #	64
62) Toluene	10.129	91	6337	0.65	ug/l	96
68) o-Xylene	11.920	106	854	0.20	ug/l	88
69) Styrene	11.939	104	2953	0.43	ug/l	93
77) t-1,4-Dichloro-2-butene	12.373	75	45200	42.47	ug/l #	14
79) tert-butylbenzene	13.264	119	2528	0.31	ug/l	41
80) 1,2,4-Trimethylbenzene	13.013	105	3356	0.34	ug/l	67
82) p-Isopropyltoluene	13.264	119	2528	0.26	ug/l	70
88) 1,2-Dibromo-3-Chloropr...	14.225	75	207	0.29	ug/l #	1
91) Naphthalene	15.100	128	2184	0.30	ug/l #	92

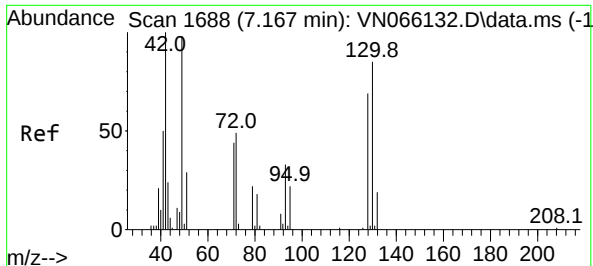
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030521\
Data File : VN066144.D
Acq On : 5 Mar 2021 19:14
Operator : JC/MD
Sample : M1563-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAR)

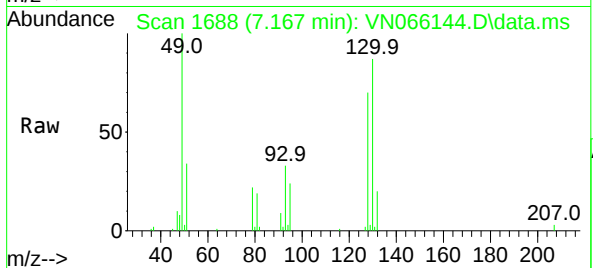
Quant Time: Mar 06 02:43:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030521W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Mar 06 02:33:59 2021
Response via : Initial Calibration



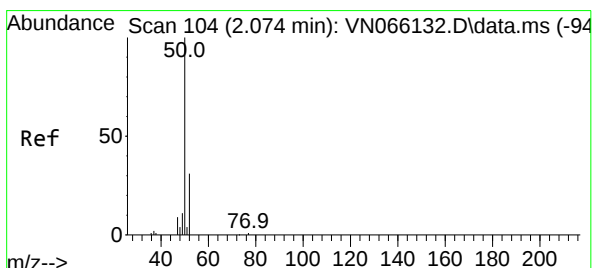
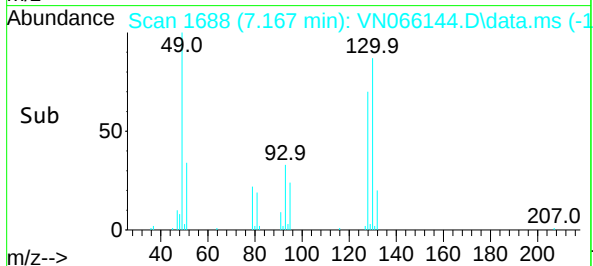
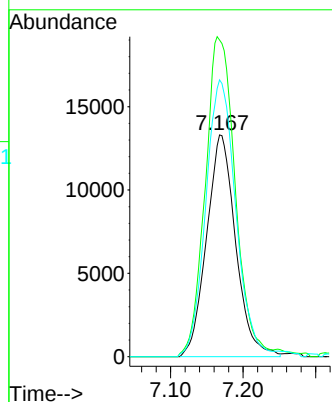


#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.167 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAR)

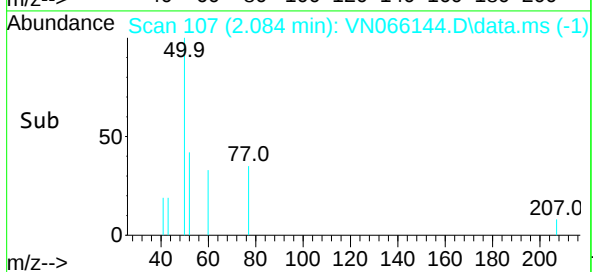
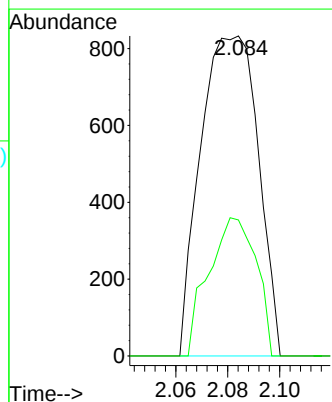
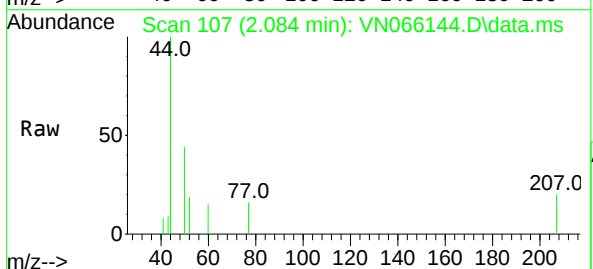


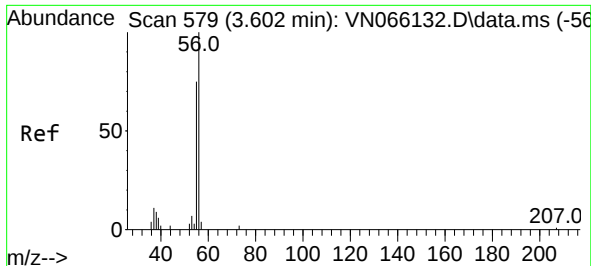
Tgt Ion	Ratio	Lower	Upper
128	100		
49	148.8	0.0	355.0
130	129.0	0.0	325.5



#3
Chloromethane
Concen: 0.53 ug/l
RT: 2.084 min Scan# 107
Delta R.T. 0.010 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

Tgt Ion	Ratio	Lower	Upper
50	100		
52	42.5	26.8	40.2#

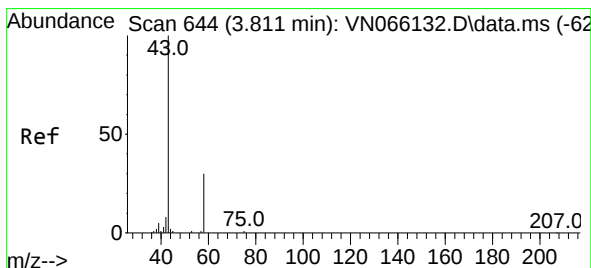
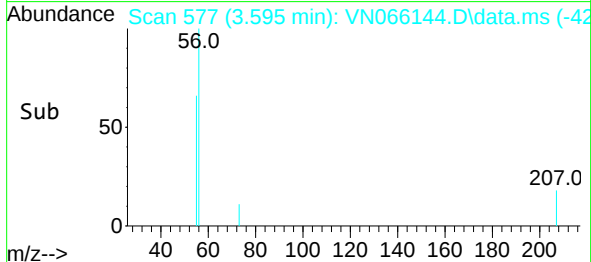
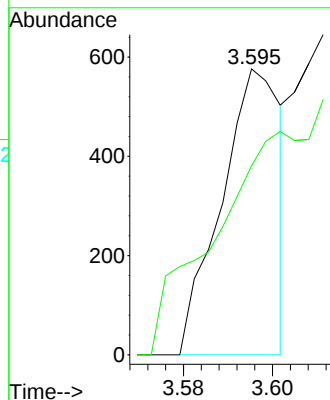
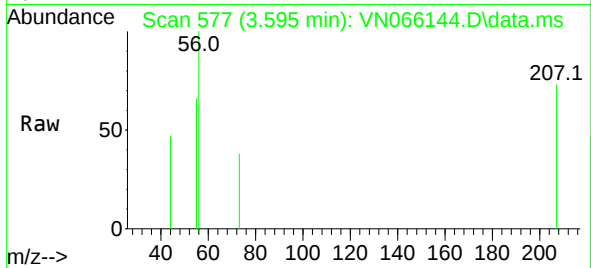




#13
Acrolein
Concen: 1.55 ug/l
RT: 3.595 min Scan# 577
Delta R.T. -0.006 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

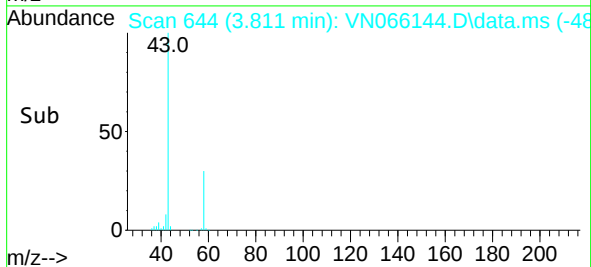
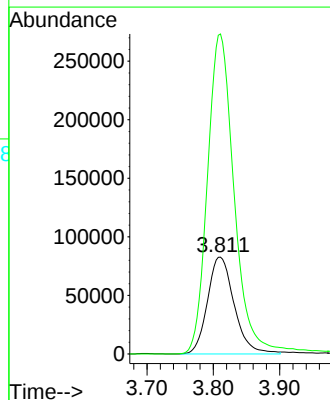
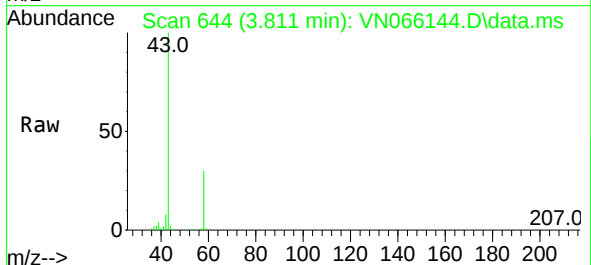
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAR)

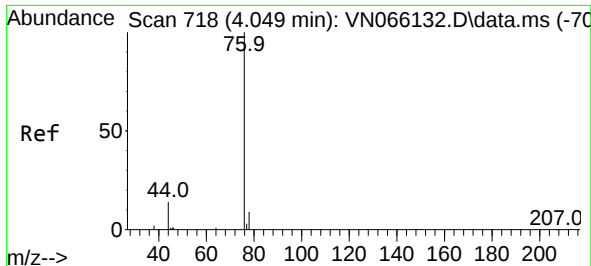
Tgt Ion: 56 Resp: 534
Ion Ratio Lower Upper
56 100
55 108.6 57.7 86.5#



#15
Acetone
Concen: 825.10 ug/l
RT: 3.811 min Scan# 644
Delta R.T. 0.000 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

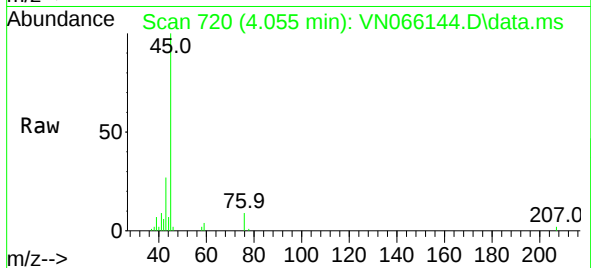
Tgt Ion: 58 Resp: 231880
Ion Ratio Lower Upper
58 100
43 330.2 203.4 305.0#



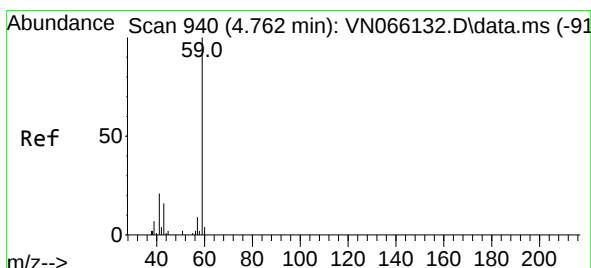
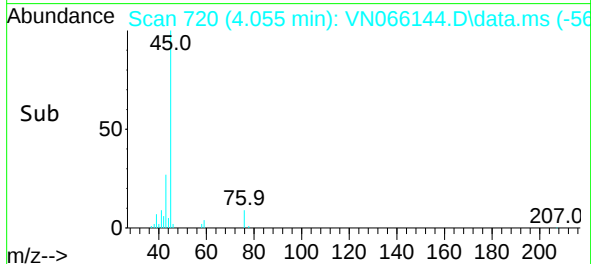
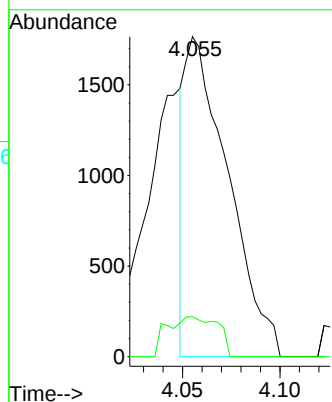


#16
Carbon Disulfide
Concen: 0.51 ug/l
RT: 4.055 min Scan# 720
Delta R.T. 0.007 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAR)

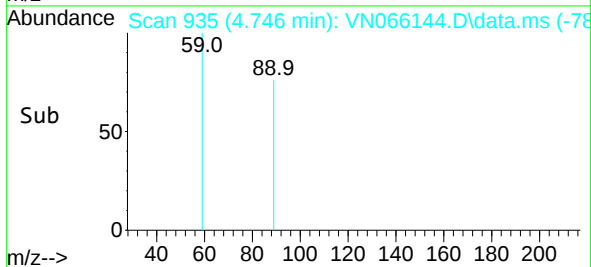
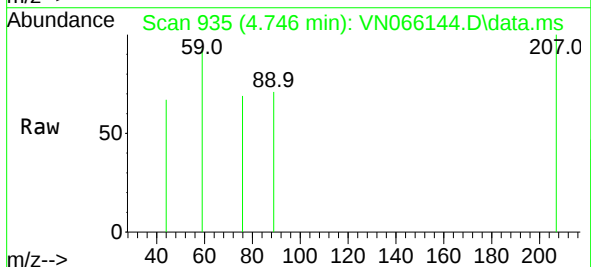
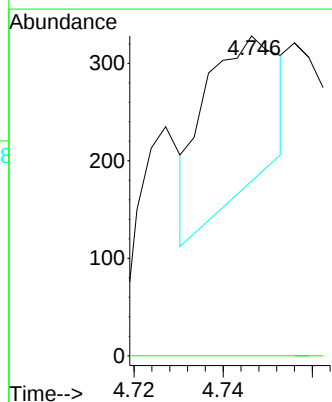


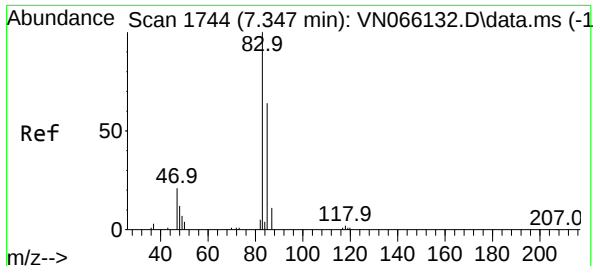
Tgt Ion: 76 Resp: 2727
Ion Ratio Lower Upper
76 100
78 12.5 7.8 11.8#



#23
tert-Butyl Alcohol
Concen: 0.43 ug/l
RT: 4.746 min Scan# 935
Delta R.T. -0.016 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

Tgt Ion: 59 Resp: 185
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

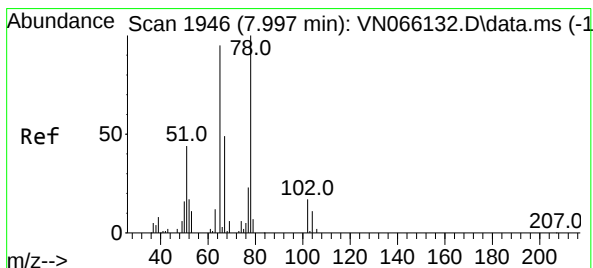
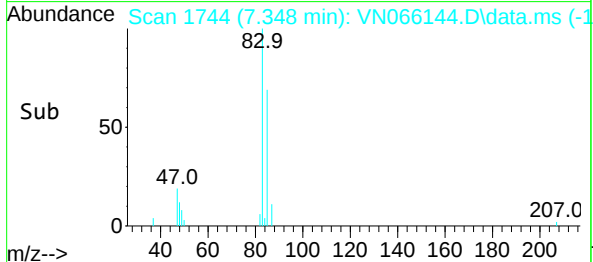
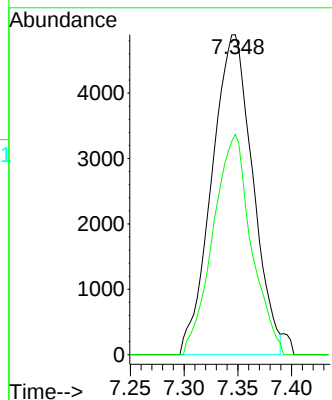
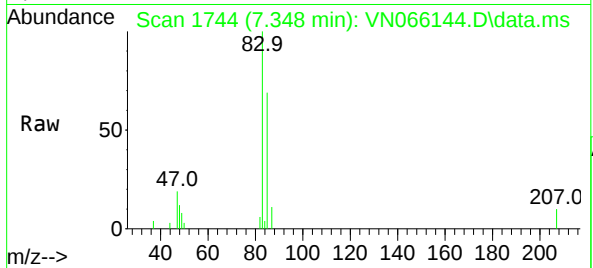




#25
Chloroform
Concen: 2.95 ug/l
RT: 7.348 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

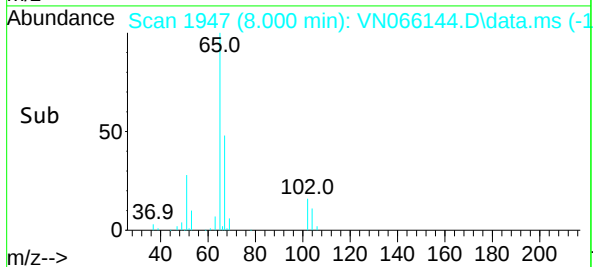
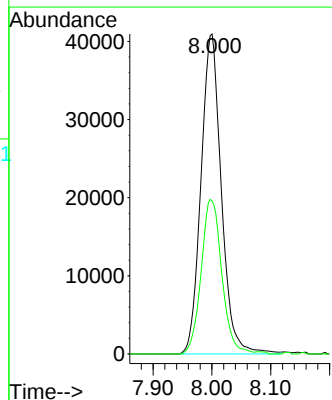
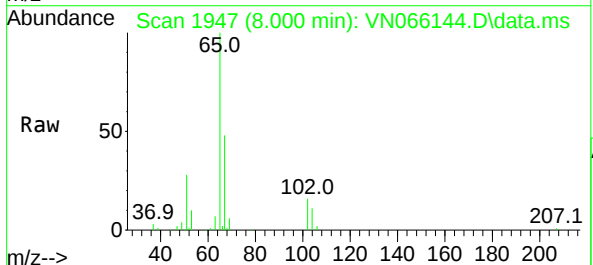
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAR)

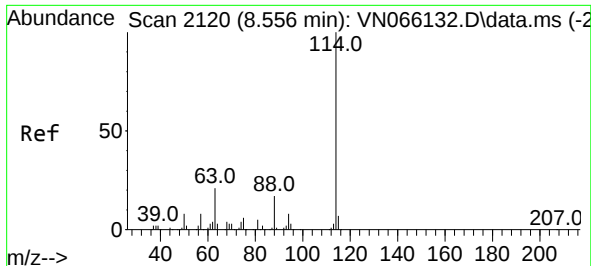
Tgt Ion: 83 Resp: 12933
Ion Ratio Lower Upper
83 100
85 68.9 53.0 79.4



#27
1,2-Dichloroethane-d4
Concen: 30.67 ug/l
RT: 8.000 min Scan# 1947
Delta R.T. 0.003 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

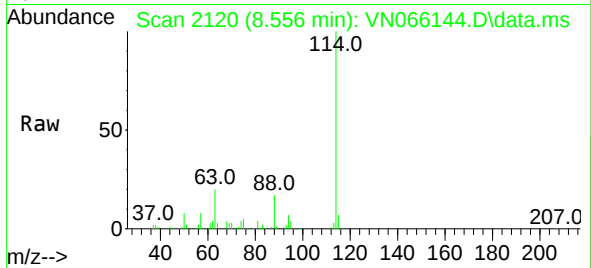
Tgt Ion: 65 Resp: 98508
Ion Ratio Lower Upper
65 100
67 49.0 42.8 64.2



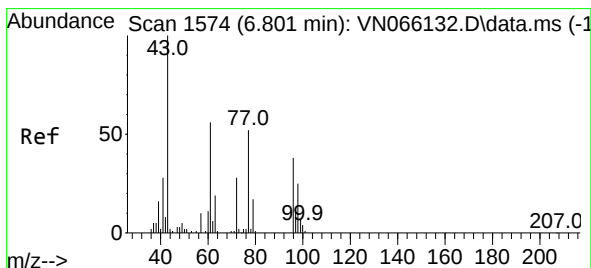
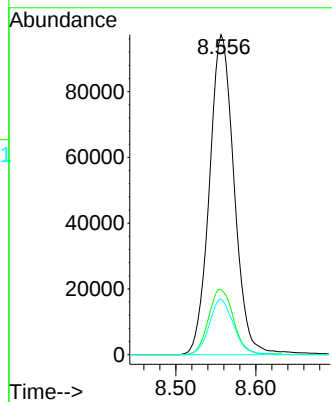
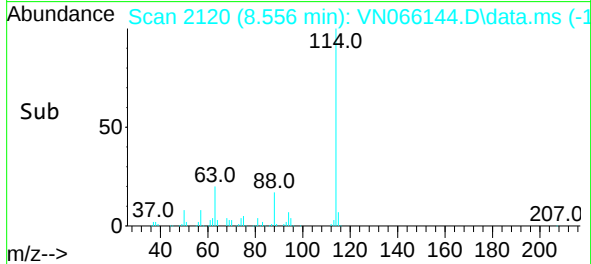


#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.556 min Scan# 2120
Delta R.T. 0.000 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

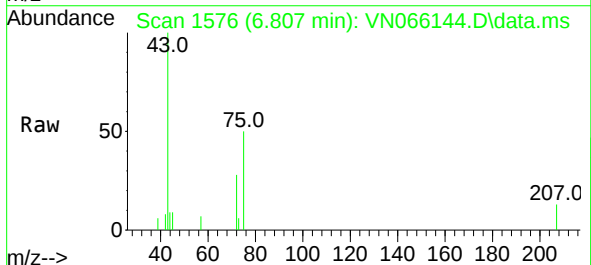
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAR)



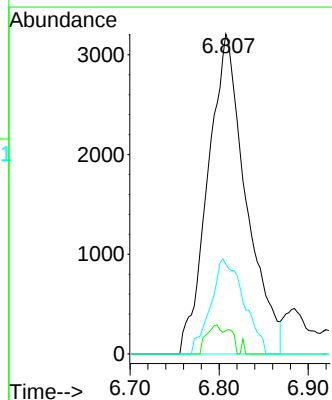
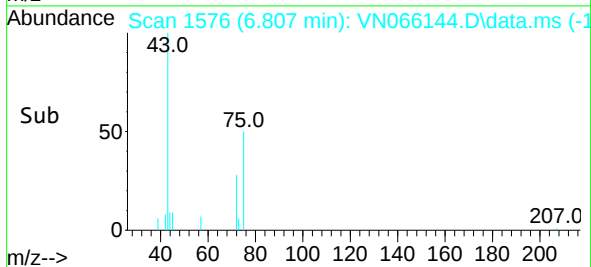
Tgt Ion: 114 Resp: 208278
Ion Ratio Lower Upper
114 100
63 20.9 14.7 22.1
88 17.1 11.7 17.5

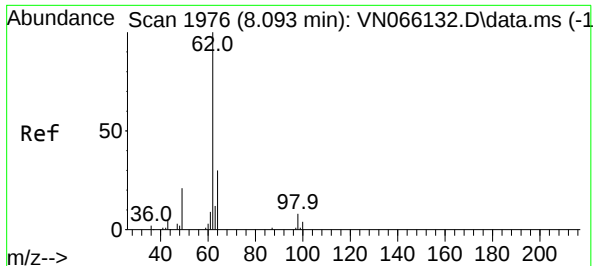


#30
2-Butanone
Concen: 7.63 ug/l
RT: 6.807 min Scan# 1576
Delta R.T. 0.007 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14



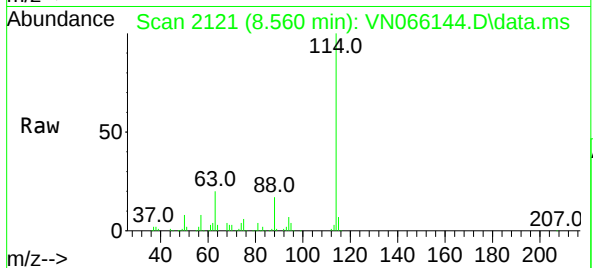
Tgt Ion: 43 Resp: 9497
Ion Ratio Lower Upper
43 100
57 3.7 7.0 10.4#
72 25.3 23.6 35.4



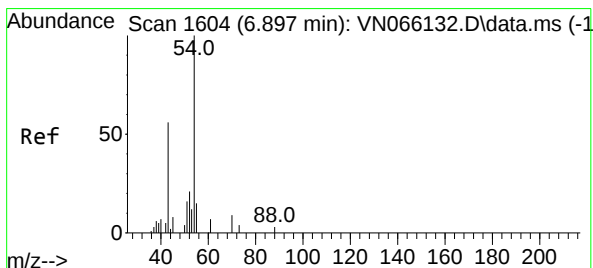
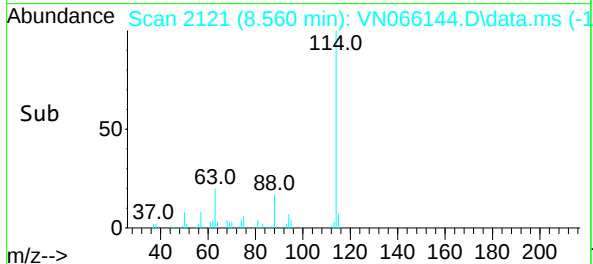
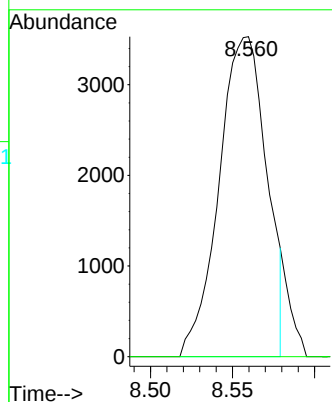


#36
1,2-Dichloroethane
Concen: 1.88 ug/l
RT: 8.560 min Scan# 2121
Delta R.T. 0.466 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAR)

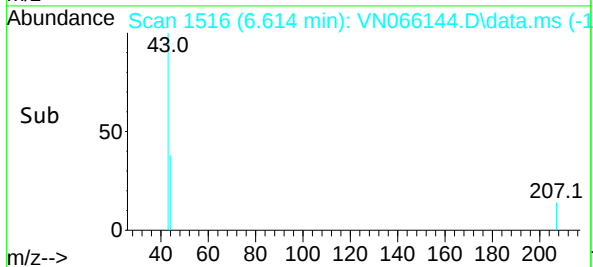
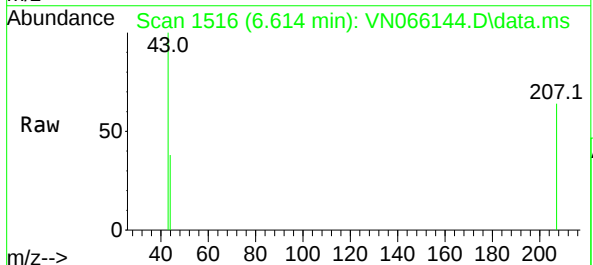
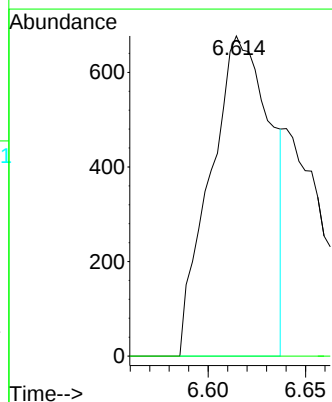


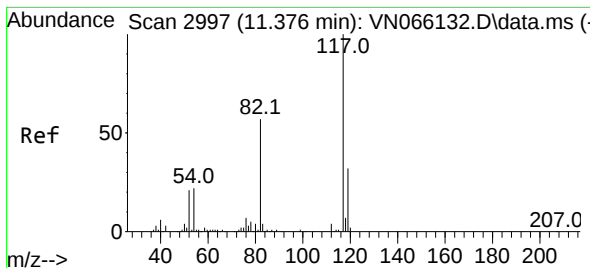
Tgt Ion: 62 Resp: 7115
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#



#43
Ethyl Acetate
Concen: 0.56 ug/l
RT: 6.614 min Scan# 1516
Delta R.T. -0.283 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

Tgt Ion: 43 Resp: 1455
Ion Ratio Lower Upper
43 100
45 14.6 12.9 19.3

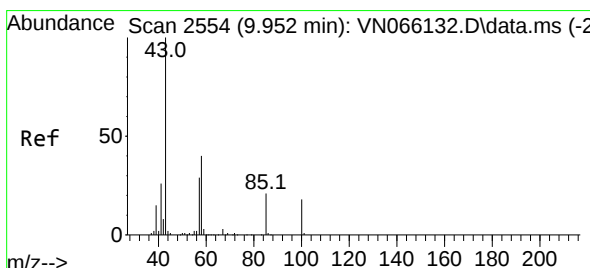
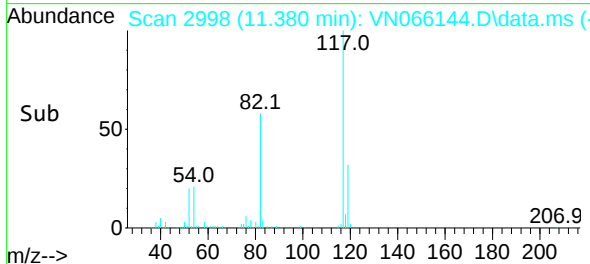
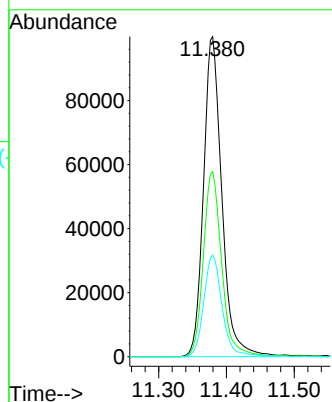
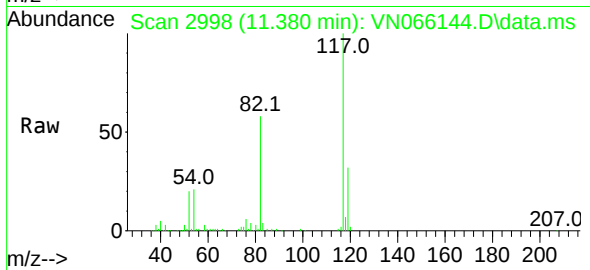




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.003 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

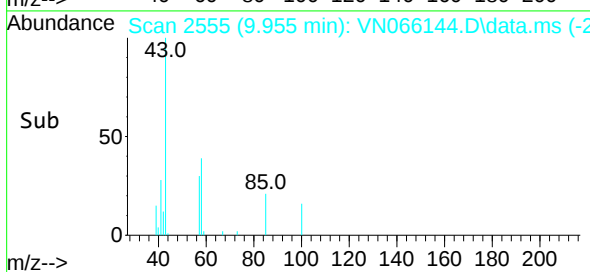
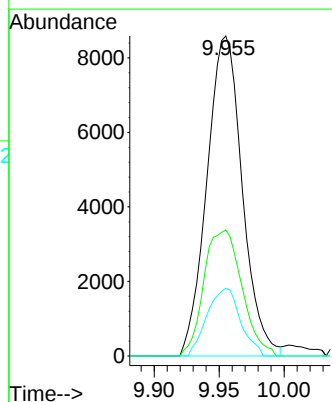
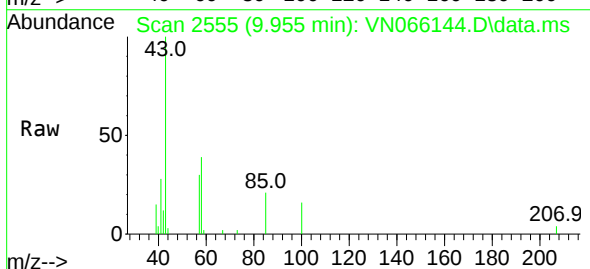
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAR)

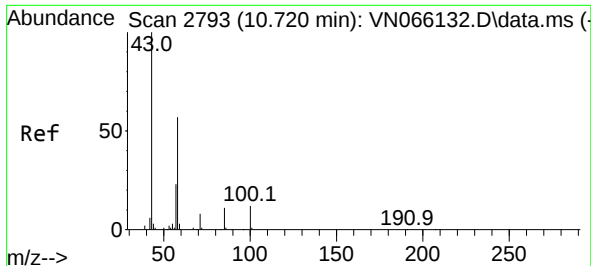
Tgt Ion: 117 Resp: 187743
Ion Ratio Lower Upper
117 100
82 57.7 41.3 61.9
119 32.0 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 6.53 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.003 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

Tgt Ion: 43 Resp: 16238
Ion Ratio Lower Upper
43 100
58 42.2 32.7 49.1
85 19.9 16.0 24.0

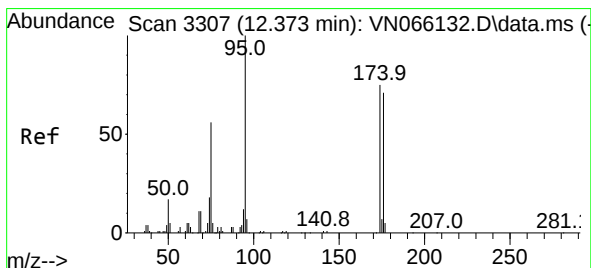
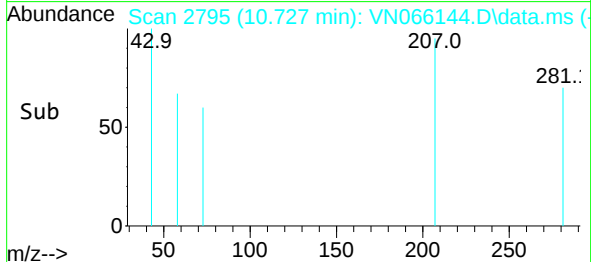
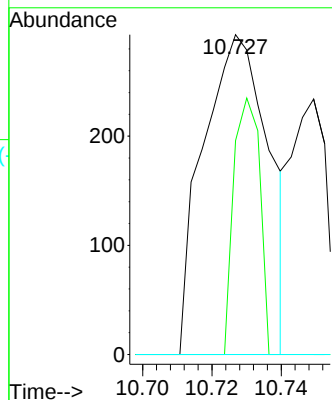
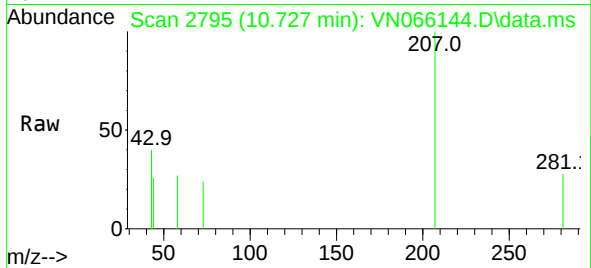




#59
2-Hexanone
Concen: 0.22 ug/l
RT: 10.727 min Scan# 2795
Delta R.T. 0.006 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

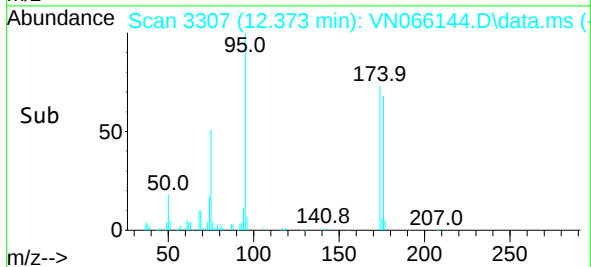
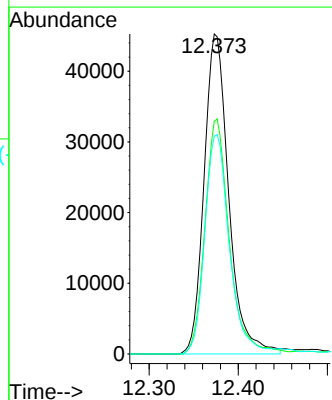
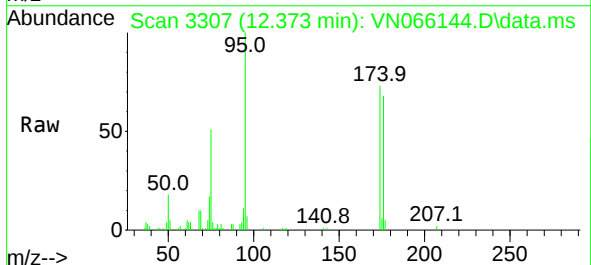
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAR)

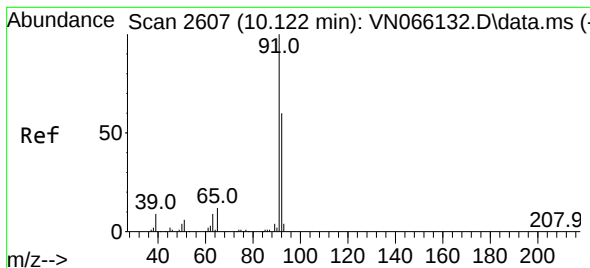
Tgt Ion: 43 Resp: 384
Ion Ratio Lower Upper
43 100
58 32.0 45.4 68.0#
57 0.0 15.8 23.8#



#60
4-Bromofluorobenzene
Concen: 26.73 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

Tgt Ion: 95 Resp: 86931
Ion Ratio Lower Upper
95 100
174 72.6 77.0 115.6#
176 68.4 75.8 113.6#





#62

Toluene

Concen: 0.65 ug/l

RT: 10.129 min Scan# 2609

Delta R.T. 0.007 min

Lab File: VN066144.D

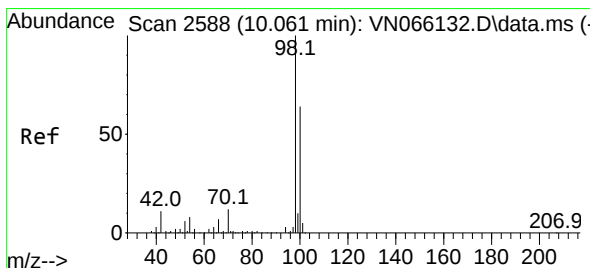
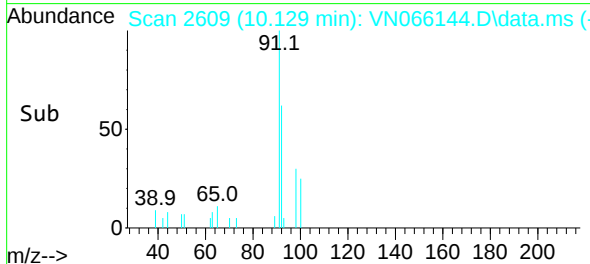
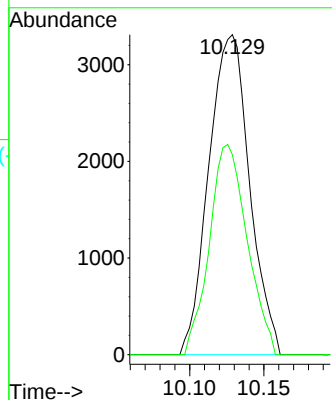
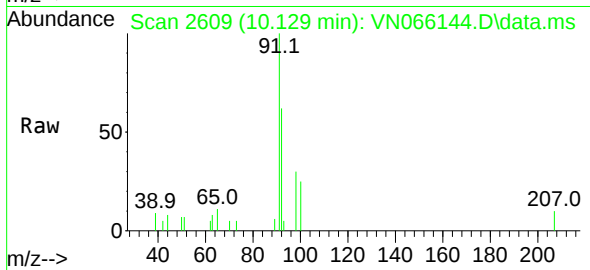
Acq: 5 Mar 2021 19:14

Tgt Ion: 91 Resp: 6337

Ion Ratio Lower Upper

91 100

92 60.8 46.2 69.4



#63

Toluene-d8

Concen: 30.87 ug/l

RT: 10.061 min Scan# 2588

Delta R.T. 0.000 min

Lab File: VN066144.D

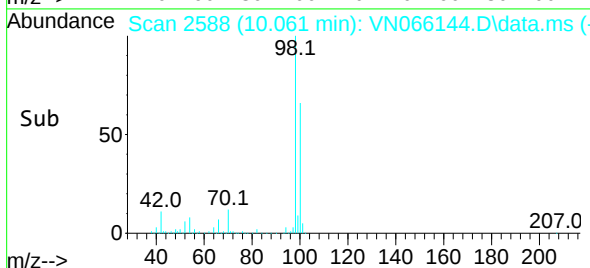
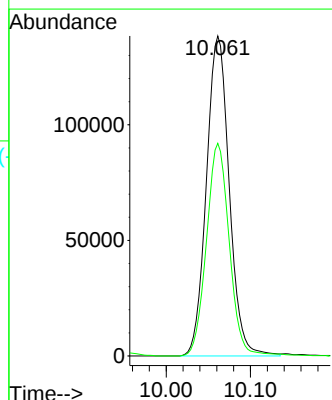
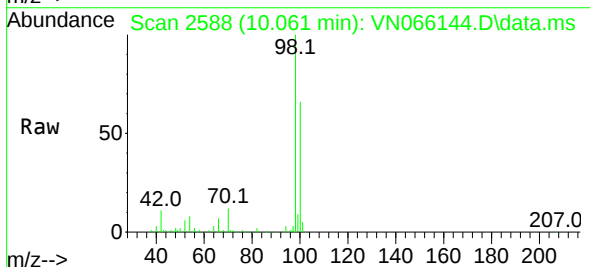
Acq: 5 Mar 2021 19:14

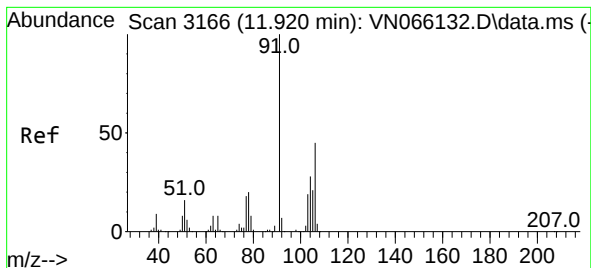
Tgt Ion: 98 Resp: 261156

Ion Ratio Lower Upper

98 100

100 66.1 51.9 77.9

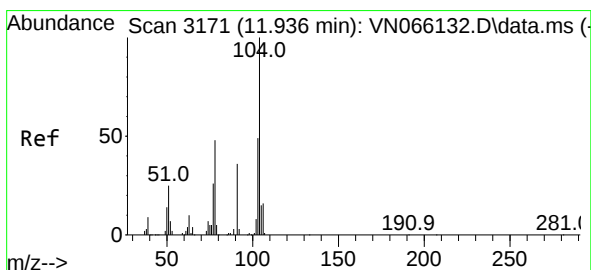
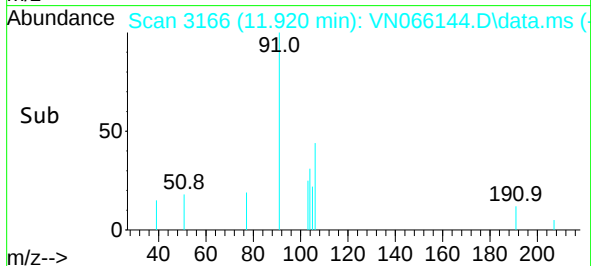
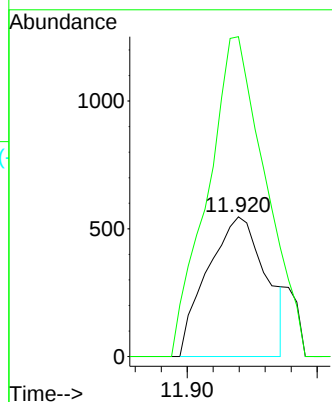
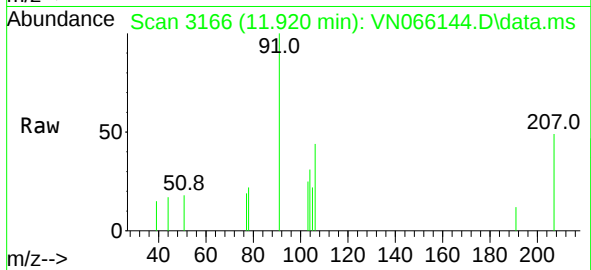




#68
o-Xylene
Concen: 0.20 ug/l
RT: 11.920 min Scan# 3166
Delta R.T. 0.000 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

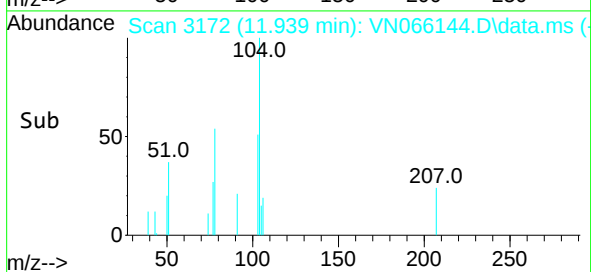
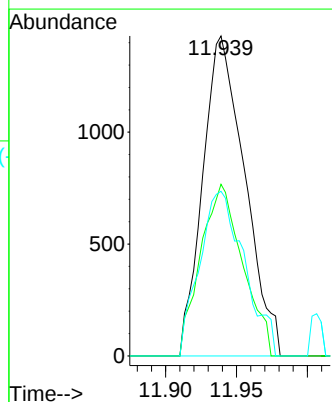
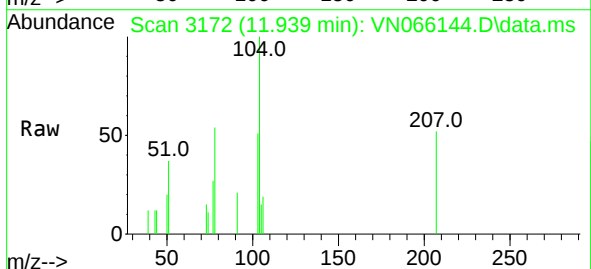
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAR)

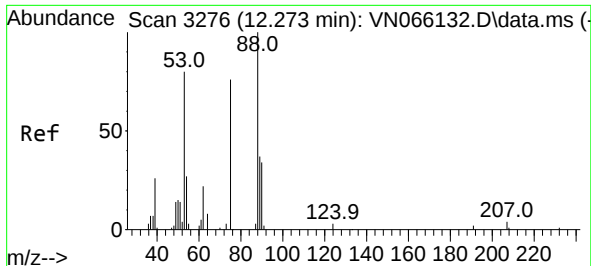
Tgt Ion:106 Resp: 854
Ion Ratio Lower Upper
106 100
91 227.5 104.7 313.9



#69
Styrene
Concen: 0.43 ug/l
RT: 11.939 min Scan# 3172
Delta R.T. 0.003 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

Tgt Ion:104 Resp: 2953
Ion Ratio Lower Upper
104 100
78 53.5 38.0 57.0
103 51.4 44.3 66.5

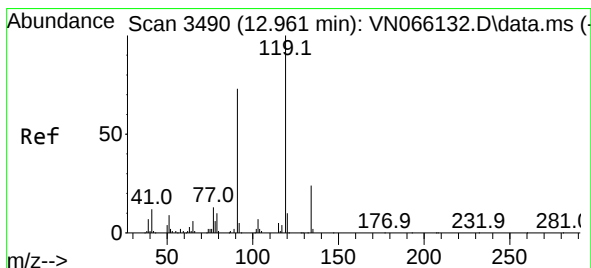
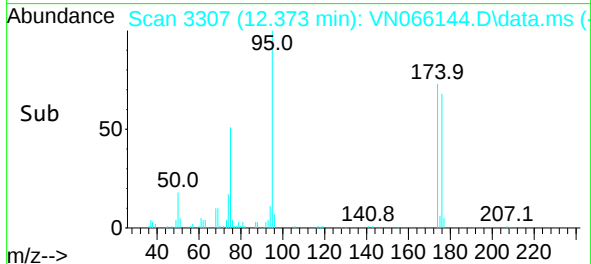
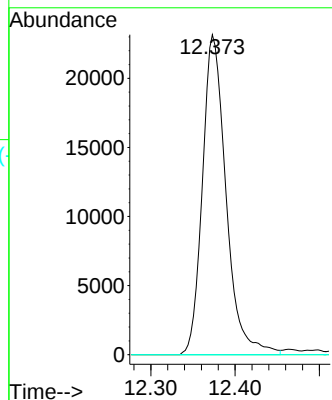
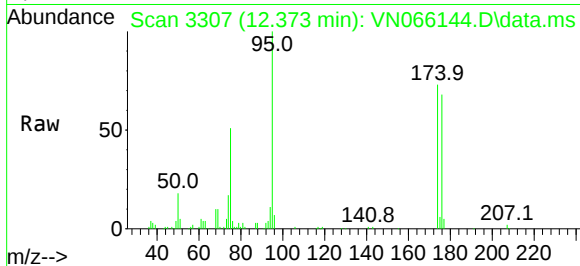




#77
t-1,4-Dichloro-2-butene
Concen: 42.47 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.100 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

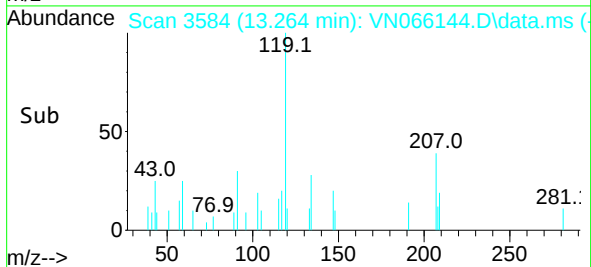
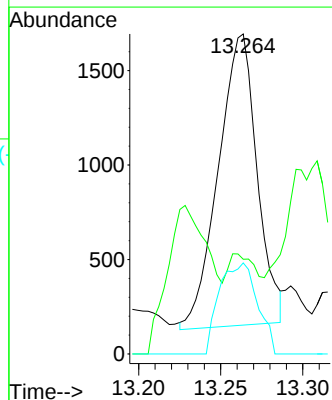
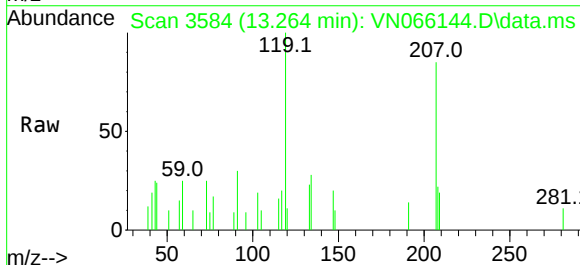
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAR)

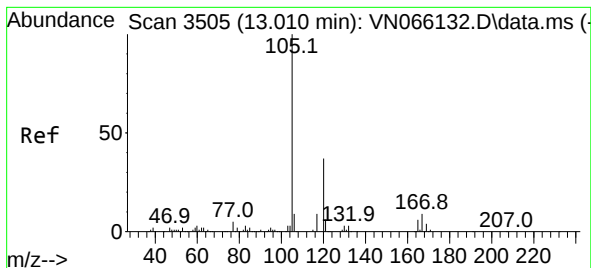
Tgt Ion: 75 Resp: 45200
Ion Ratio Lower Upper
75 100
53 0.0 44.9 134.5#
89 0.0 21.3 64.0#



#79
tert-butylbenzene
Concen: 0.31 ug/l
RT: 13.264 min Scan# 3584
Delta R.T. 0.302 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

Tgt Ion: 119 Resp: 2528
Ion Ratio Lower Upper
119 100
91 6.1 0.0 126.0
134 13.3 0.0 51.2

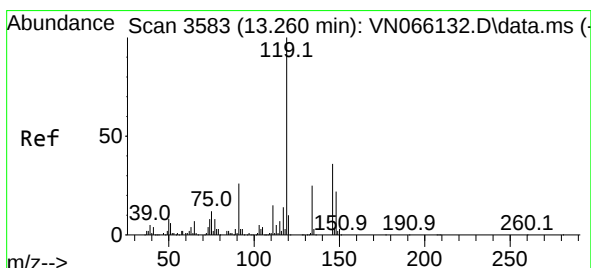
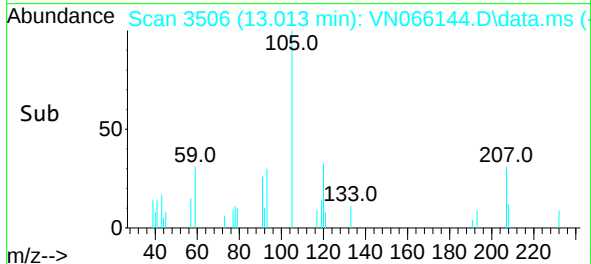
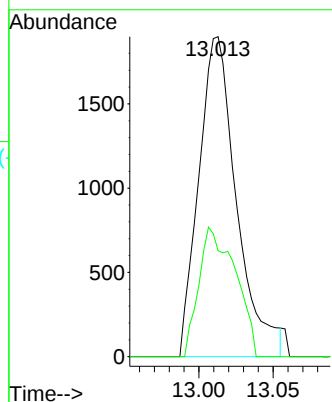
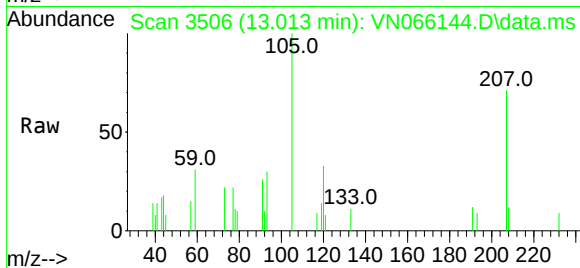




#80
1,2,4-Trimethylbenzene
Concen: 0.34 ug/l
RT: 13.013 min Scan# 3506
Delta R.T. 0.003 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

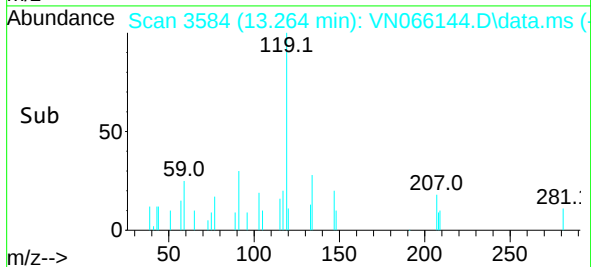
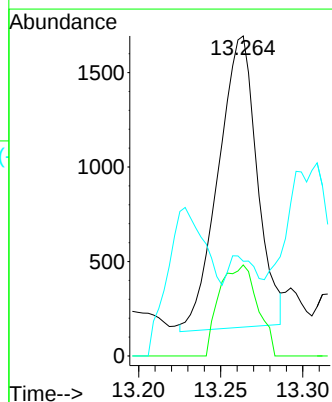
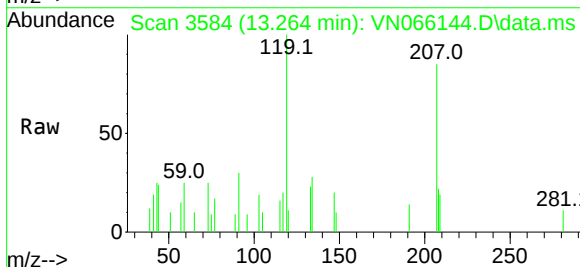
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAR)

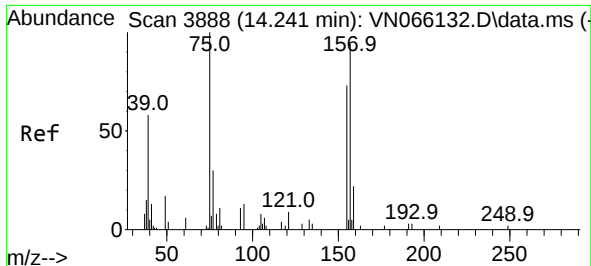
Tgt Ion:105 Resp: 3356
Ion Ratio Lower Upper
105 100
120 24.5 0.0 93.6



#82
p-Isopropyltoluene
Concen: 0.26 ug/l
RT: 13.264 min Scan# 3584
Delta R.T. 0.003 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

Tgt Ion:119 Resp: 2528
Ion Ratio Lower Upper
119 100
134 13.3 0.0 54.8
91 6.1 0.0 44.8

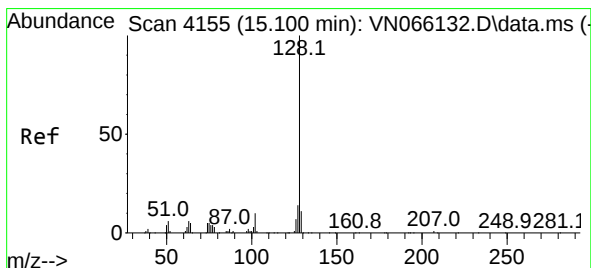
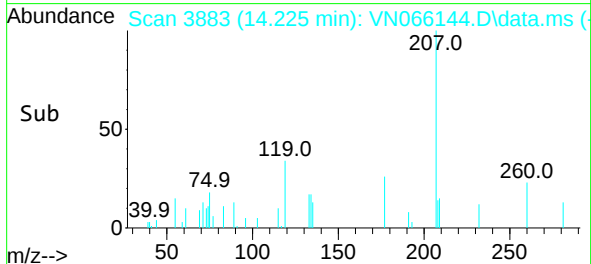
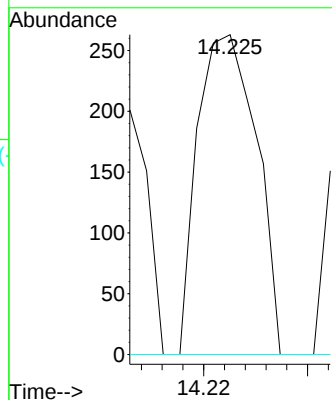
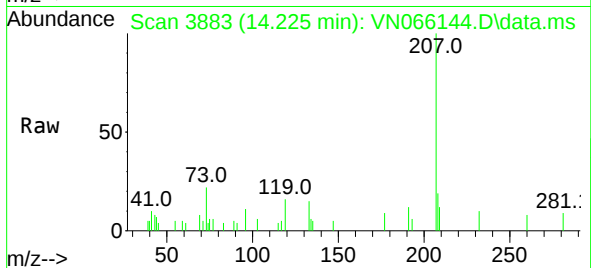




#88
1,2-Dibromo-3-Chloropropane
Concen: 0.29 ug/l
RT: 14.225 min Scan# 3883
Delta R.T. -0.016 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAR)

Tgt Ion: 75 Resp: 207
Ion Ratio Lower Upper
75 100
155 0.0 76.9 115.3#
157 0.0 105.8 158.8#



#91
Naphthalene
Concen: 0.30 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. 0.000 min
Lab File: VN066144.D
Acq: 5 Mar 2021 19:14

Tgt Ion: 128 Resp: 2184
Ion Ratio Lower Upper
128 100
127 9.8 10.1 15.1#
129 7.1 8.6 12.8#

