

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040921\
 Data File : VN066559.D
 Acq On : 9 Apr 2021 13:33
 Operator : JC/MD
 Sample : M1914-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Apr 09 14:02:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 25 05:52:50 2021
 Response via : Initial Calibration

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

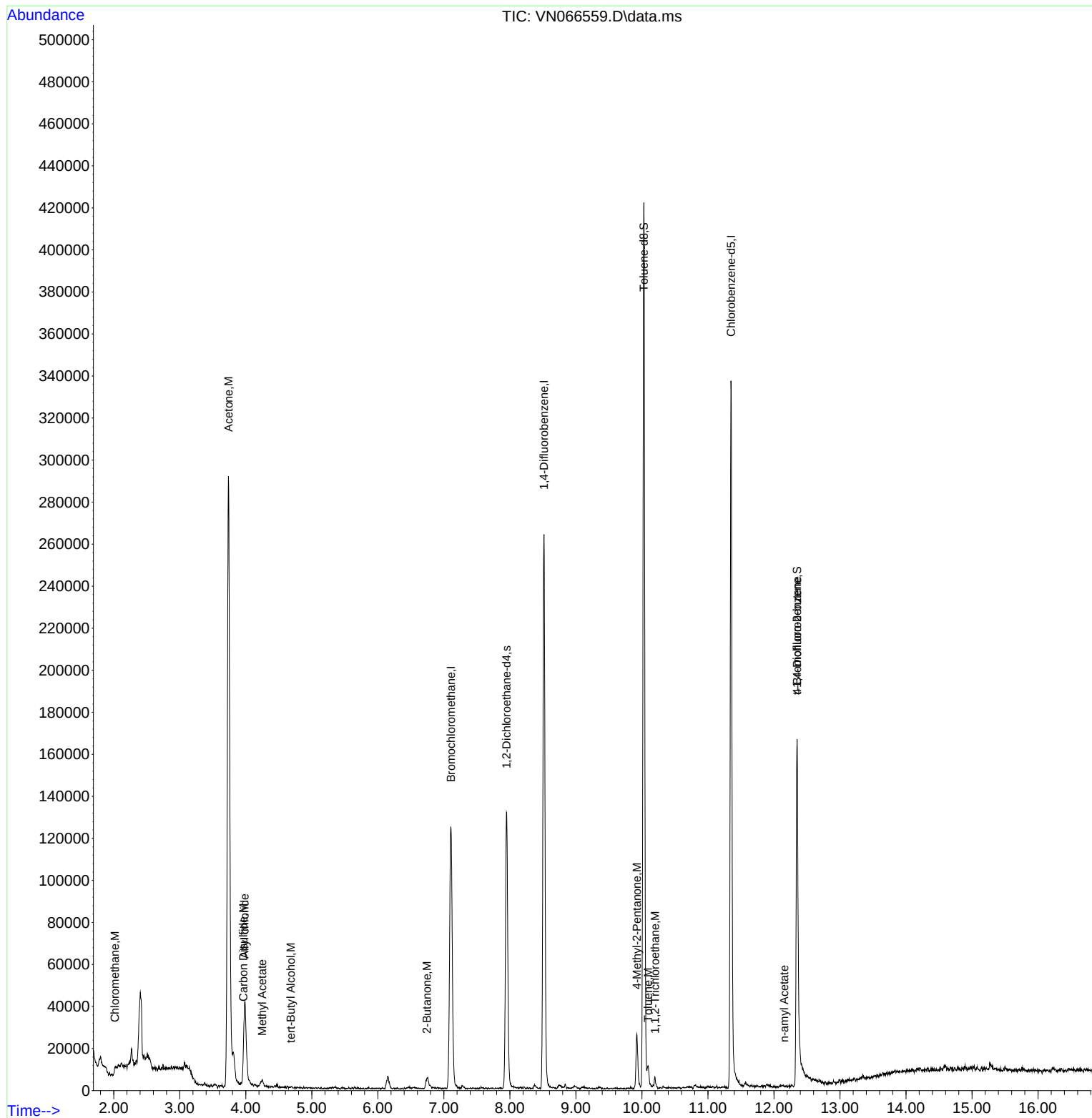
Internal Standards						
1) Bromochloromethane	7.107	128	48548	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.518	114	224475	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.350	117	194282	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.952	65	112963	30.27	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.90%
60) 4-Bromofluorobenzene	12.350	95	65027	21.45	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	71.50%
63) Toluene-d8	10.030	98	290734	31.89	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	106.30%
Target Compounds						Qvalue
3) Chloromethane	2.017	50	1111	0.33	ug/l	98
12) Methyl Acetate	4.248	43	4648	1.19	ug/l	93
13) Acrolein	3.532	56	488	Below	Cal	97
15) Acetone	3.738	58	142333	304.52	ug/l	96
16) Carbon Disulfide	3.964	76	1573	0.23	ug/l #	87
17) Allyl chloride	3.983	41	6043	1.33	ug/l	89
23) tert-Butyl Alcohol	4.683	59	319	0.48	ug/l #	100
30) 2-Butanone	6.745	43	4159	2.11	ug/l #	81
47) n-amyl Acetate	12.154	43	244	6.19	ug/l	95
50) 1,1,2-Trichloroethane	10.199	97	3433	1.35	ug/l #	18
58) 4-Methyl-2-Pentanone	9.923	43	20244	5.20	ug/l	91
62) Toluene	10.095	91	5846	0.54	ug/l	91
77) t-1,4-Dichloro-2-butene	12.350	75	35471	31.63	ug/l #	10

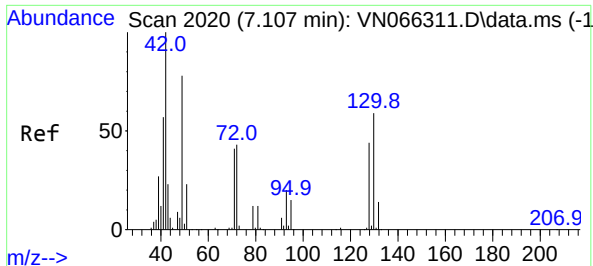
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040921\
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002-35TH-AVE(APR)

Quant Time: Apr 09 14:02:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 25 05:52:50 2021
Response via : Initial Calibration

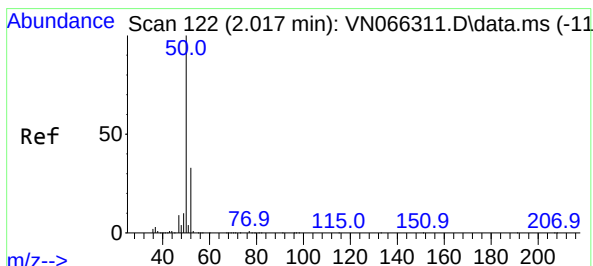
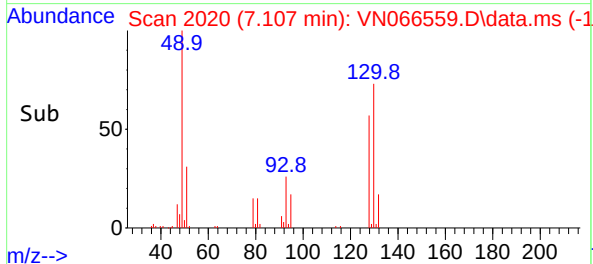
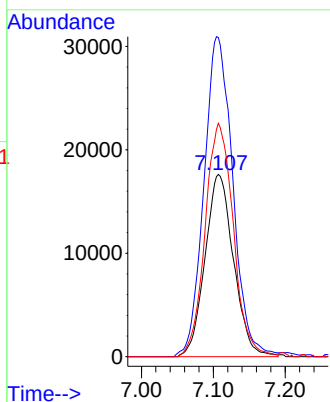
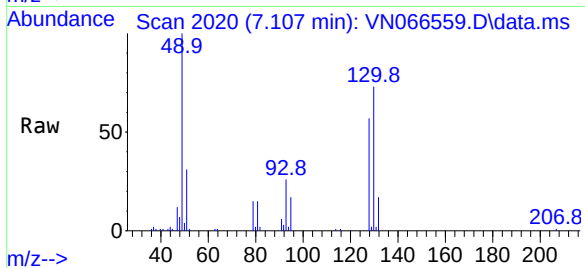




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.107 min Scan# 2020
Delta R.T. 0.000 min
Lab File: VN066559.D
Acq: 9 Apr 2021 13:33

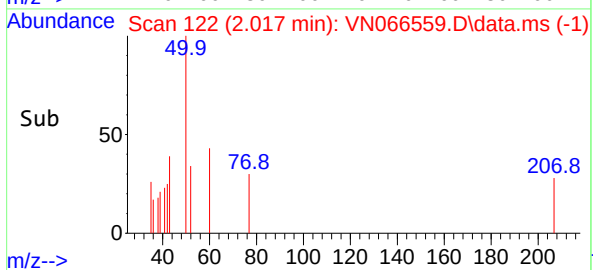
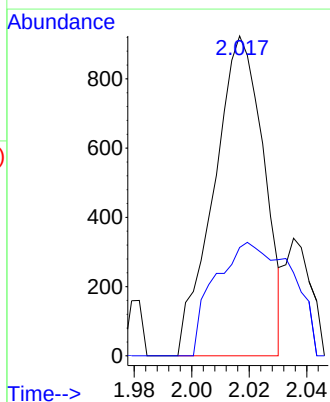
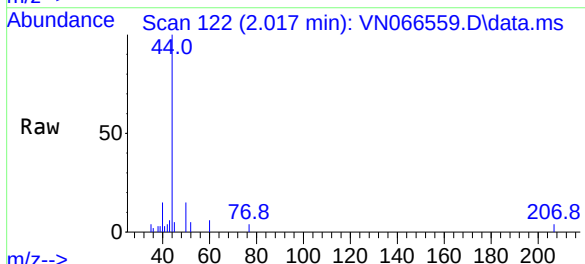
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(APR)

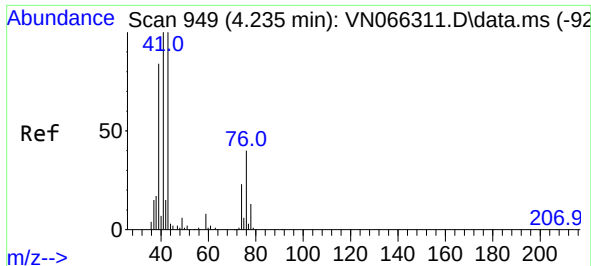
Tgt Ion:128 Resp: 48548
Ion Ratio Lower Upper
128 100
49 177.3 0.0 429.3
130 126.9 0.0 328.5



#3
Chloromethane
Concen: 0.33 ug/l
RT: 2.017 min Scan# 122
Delta R.T. -0.000 min
Lab File: VN066559.D
Acq: 9 Apr 2021 13:33

Tgt Ion: 50 Resp: 1111
Ion Ratio Lower Upper
50 100
52 33.9 26.2 39.4

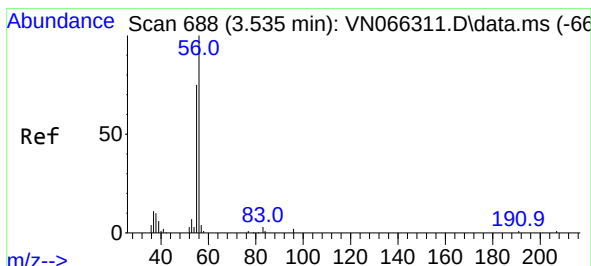
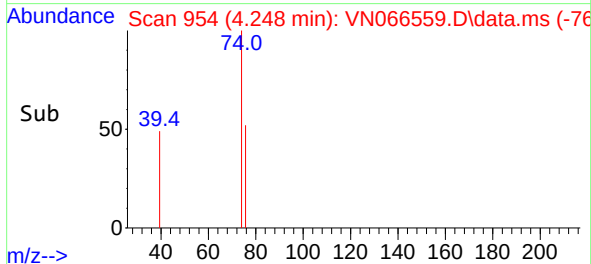
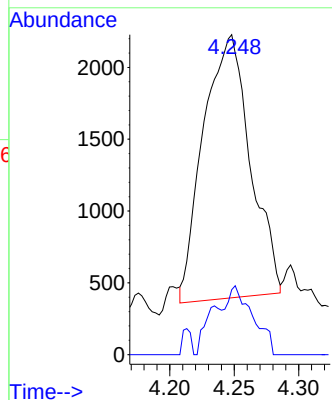
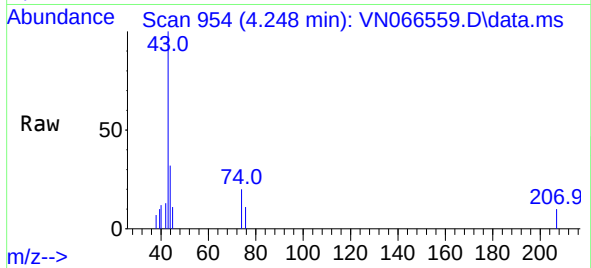




#12
Methyl Acetate
Concen: 1.19 ug/l
RT: 4.248 min Scan# 954
Delta R.T. 0.013 min
Lab File: VN066559.D
Acq: 9 Apr 2021 13:33

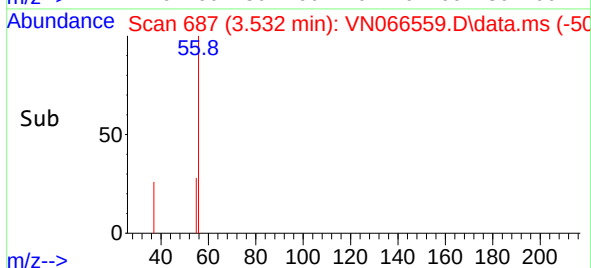
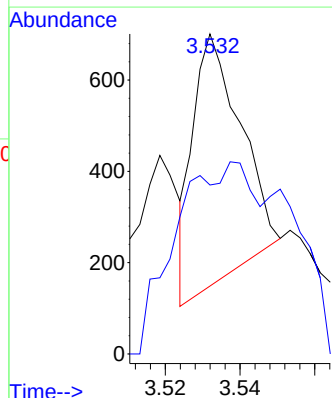
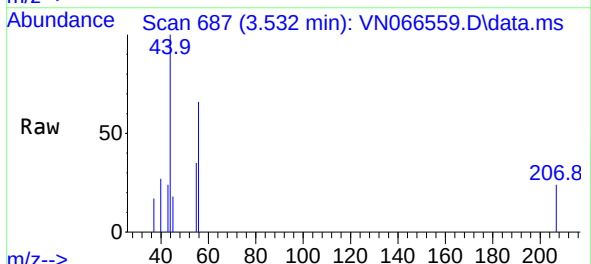
Instrument :
MSVOA_N
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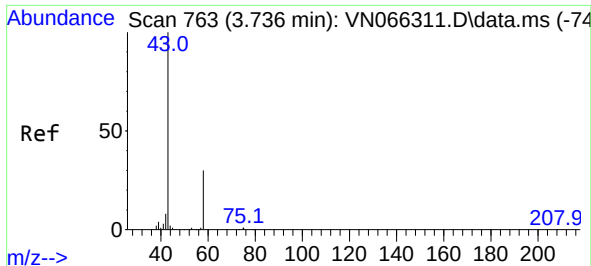
Tgt Ion: 43 Resp: 4648
Ion Ratio Lower Upper
43 100
74 25.8 18.0 27.0



#13
Acrolein
Concen: Below Cal
RT: 3.532 min Scan# 687
Delta R.T. -0.003 min
Lab File: VN066559.D
Acq: 9 Apr 2021 13:33

Tgt Ion: 56 Resp: 488
Ion Ratio Lower Upper
56 100
55 65.2 54.1 81.1

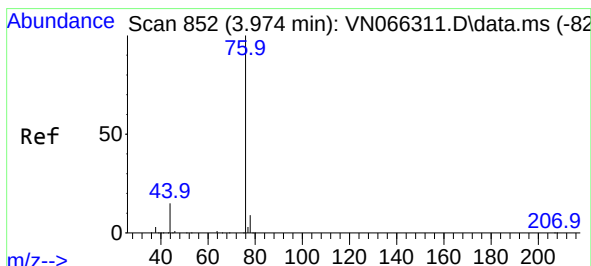
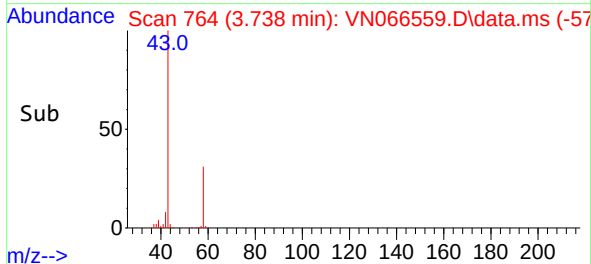
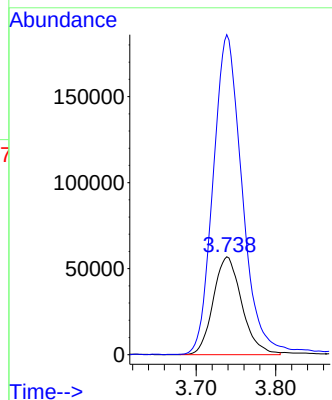
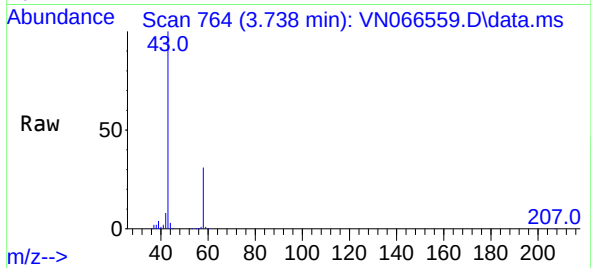




#15
Acetone
Concen: 304.52 ug/l
RT: 3.738 min Scan# 764
Delta R.T. 0.002 min
Lab File: VN066559.D
Acq: 9 Apr 2021 13:33

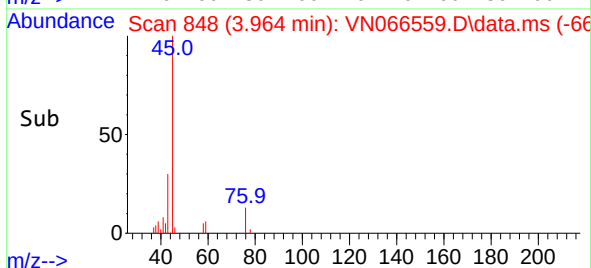
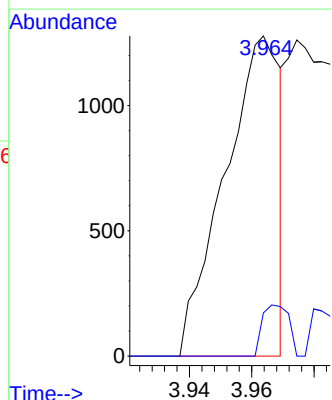
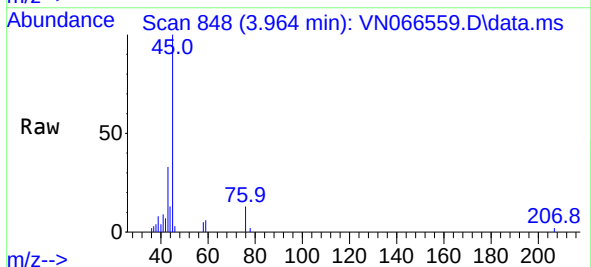
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(APR)

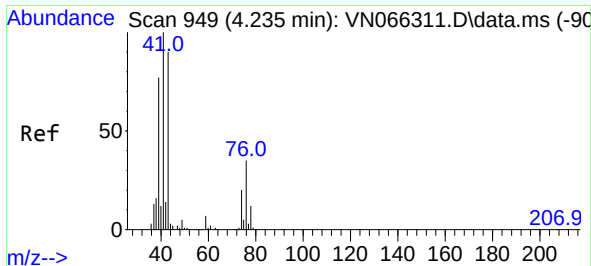
Tgt Ion: 58 Resp: 142333
Ion Ratio Lower Upper
58 100
43 326.1 267.3 400.9



#16
Carbon Disulfide
Concen: 0.23 ug/l
RT: 3.964 min Scan# 848
Delta R.T. -0.010 min
Lab File: VN066559.D
Acq: 9 Apr 2021 13:33

Tgt Ion: 76 Resp: 1573
Ion Ratio Lower Upper
76 100
78 13.5 7.0 10.6#





#17

Allyl chloride

Concen: 1.33 ug/l

RT: 3.983 min Scan# 855

Delta R.T. -0.252 min

Lab File: VN066559.D

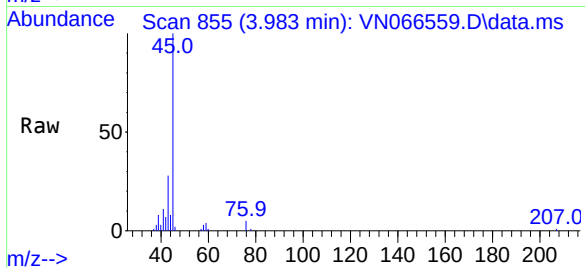
Acq: 9 Apr 2021 13:33

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(APR)



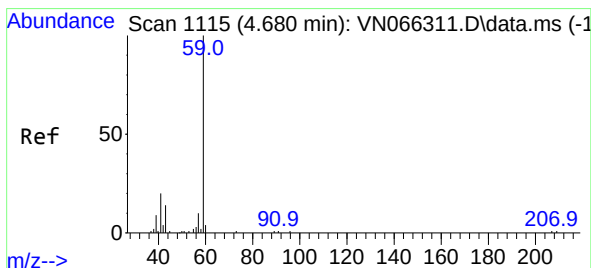
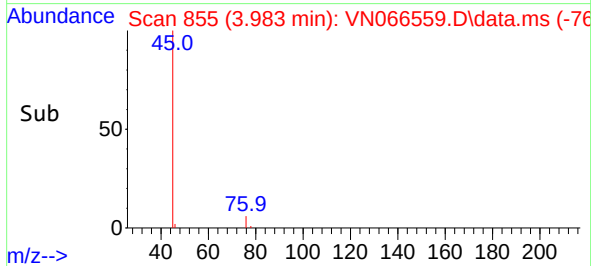
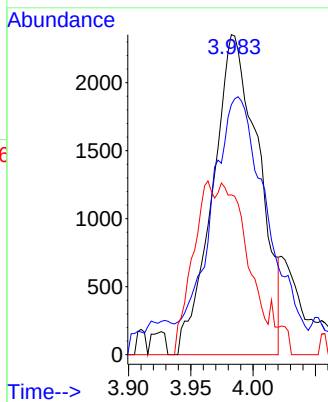
Tgt Ion: 41 Resp: 6043

Ion Ratio Lower Upper

41 100

39 67.9 38.6 116.0

76 41.4 17.6 52.8



#23

tert-Butyl Alcohol

Concen: 0.48 ug/l

RT: 4.683 min Scan# 1116

Delta R.T. 0.003 min

Lab File: VN066559.D

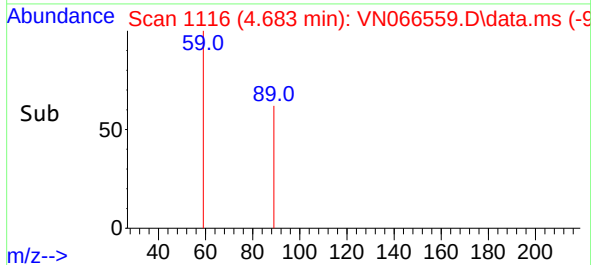
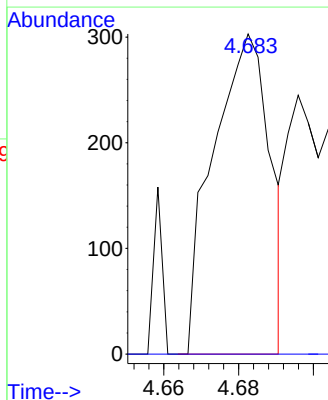
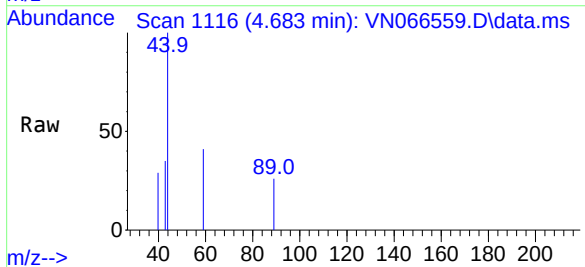
Acq: 9 Apr 2021 13:33

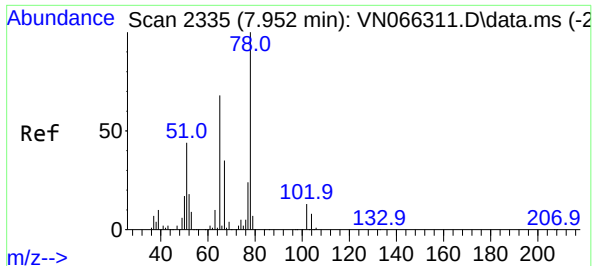
Tgt Ion: 59 Resp: 319

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#

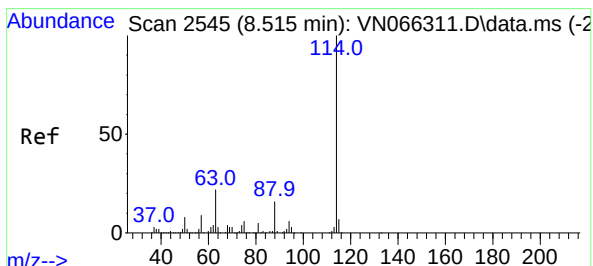
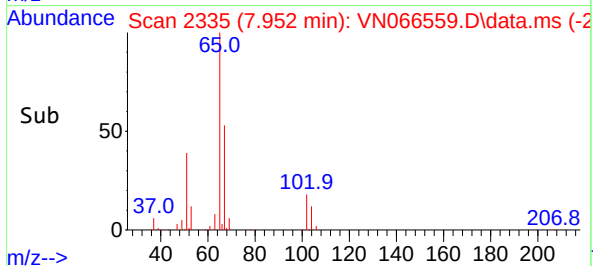
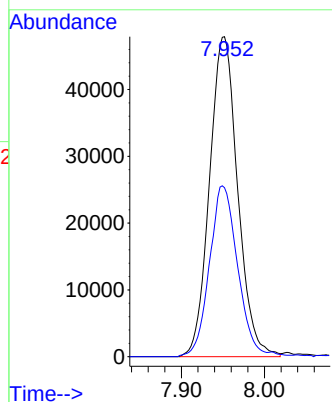
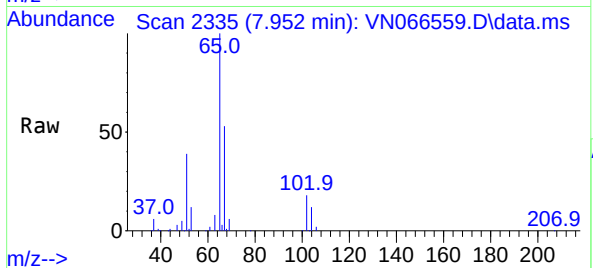




#27
1,2-Dichloroethane-d4
Concen: 30.27 ug/l
RT: 7.952 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VN066559.D
Acq: 9 Apr 2021 13:33

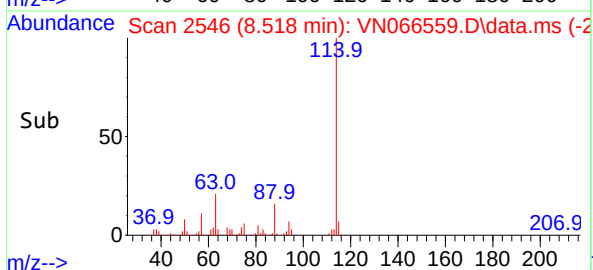
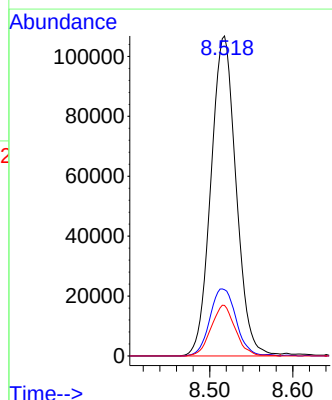
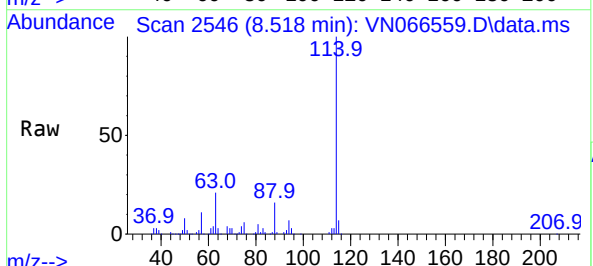
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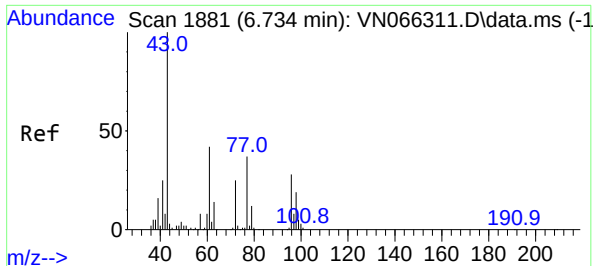
Tgt Ion: 65 Resp: 112963
Ion Ratio Lower Upper
65 100
67 52.9 42.2 63.4



#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.518 min Scan# 2546
Delta R.T. 0.003 min
Lab File: VN066559.D
Acq: 9 Apr 2021 13:33

Tgt Ion:114 Resp: 224475
Ion Ratio Lower Upper
114 100
63 21.8 17.4 26.0
88 15.3 12.6 19.0

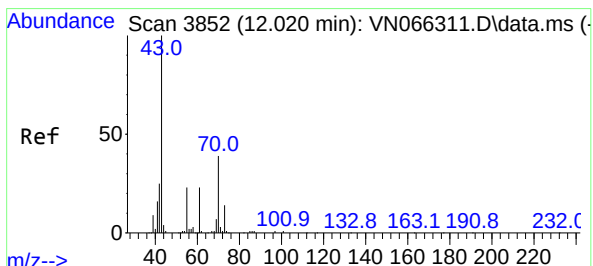
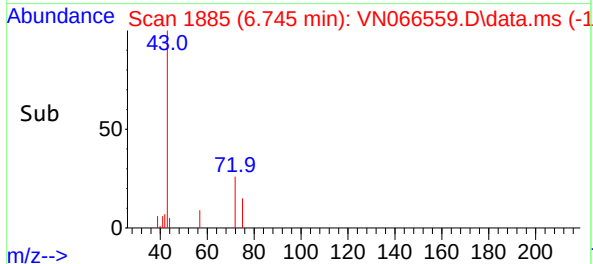
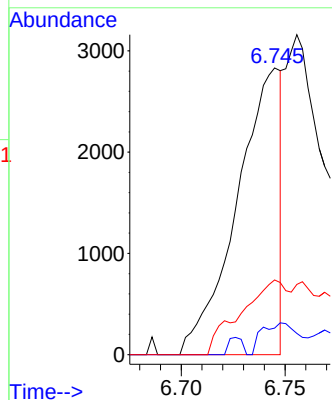
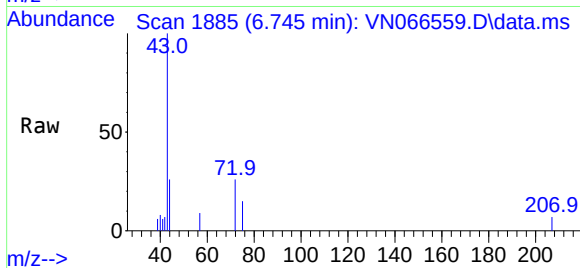




#30
2-Butanone
Concen: 2.11 ug/l
RT: 6.745 min Scan# 1885
Delta R.T. 0.011 min
Lab File: VN066559.D
Acq: 9 Apr 2021 13:33

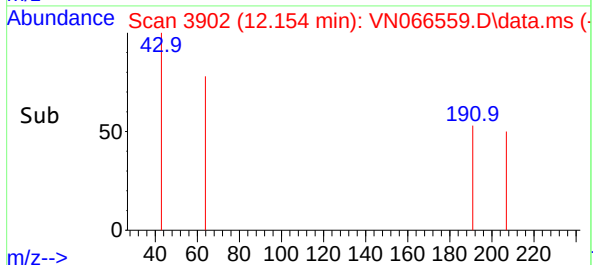
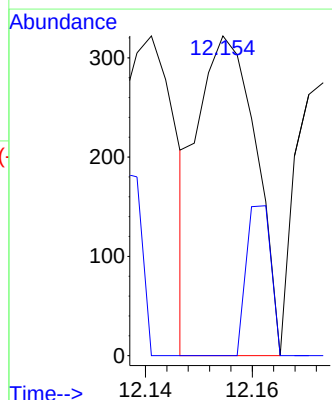
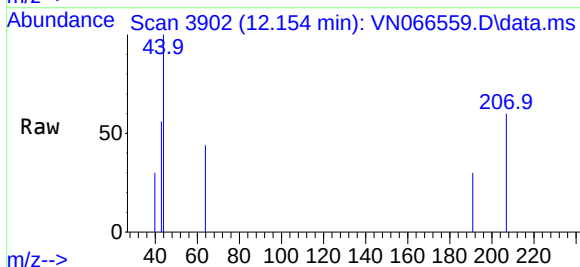
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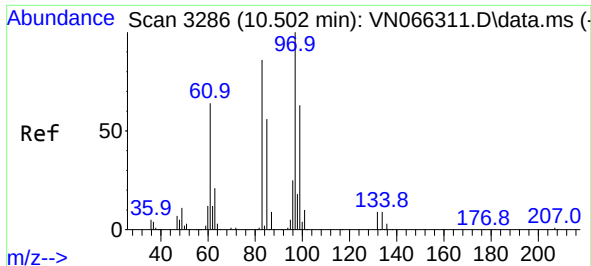
Tgt Ion: 43 Resp: 4159
Ion Ratio Lower Upper
43 100
57 6.5 6.9 10.3#
72 14.2 20.9 31.3#



#47
n-amy1 Acetate
Concen: 6.19 ug/l
RT: 12.154 min Scan# 3902
Delta R.T. 0.134 min
Lab File: VN066559.D
Acq: 9 Apr 2021 13:33

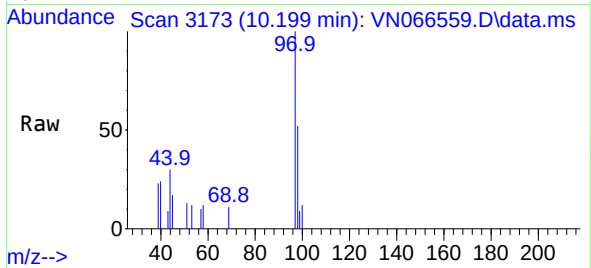
Tgt Ion: 43 Resp: 244
Ion Ratio Lower Upper
43 100
55 19.7 17.7 26.5





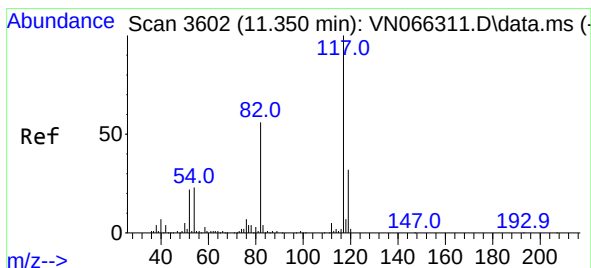
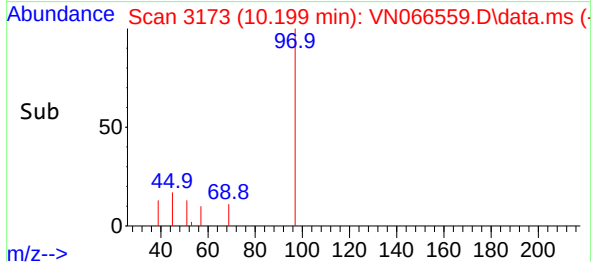
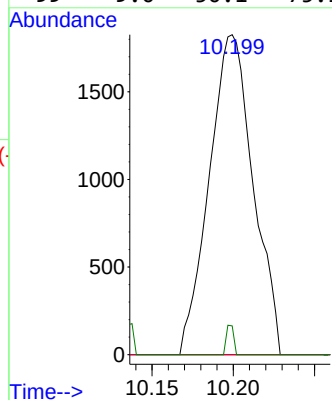
#50
1,1,2-Trichloroethane
Concen: 1.35 ug/l
RT: 10.199 min Scan# 3173
Delta R.T. -0.303 min
Lab File: VN066559.D
Acq: 9 Apr 2021 13:33

Instrument :
MSVOA_N
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002-35TH-AVE(APR)



Tgt Ion: 97 Resp: 3433

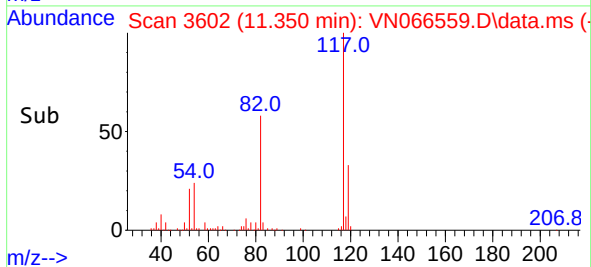
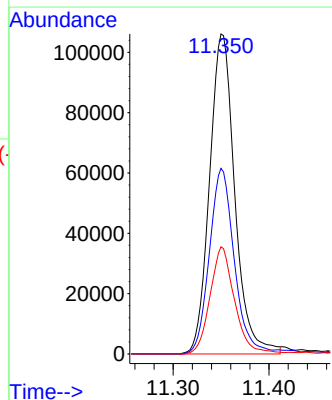
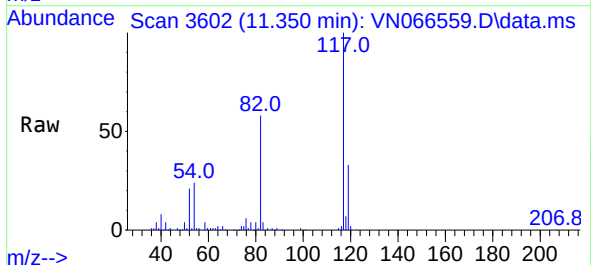
Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.8	103.2#
85	0.0	44.8	67.2#
99	9.0	50.1	75.1#

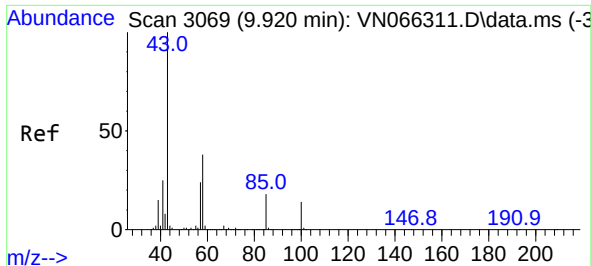


#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. -0.000 min
Lab File: VN066559.D
Acq: 9 Apr 2021 13:33

Tgt Ion: 117 Resp: 194282

Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.0	67.6
119	32.4	25.5	38.3

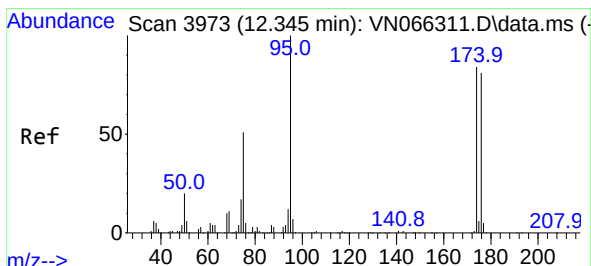
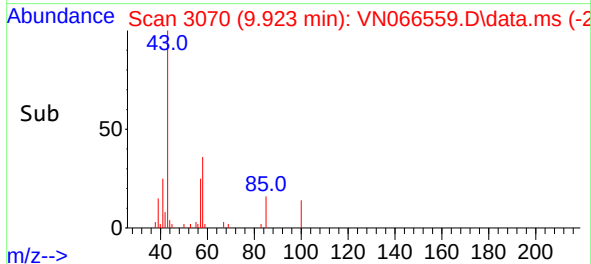
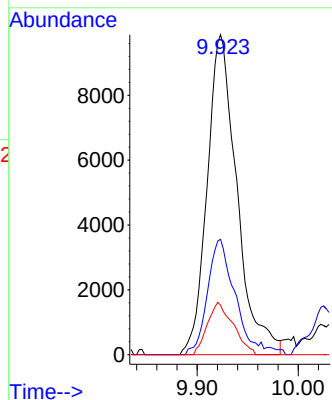
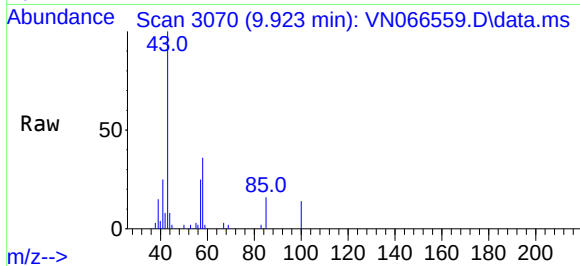




#58
4-Methyl-2-Pentanone
Concen: 5.20 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.003 min
Lab File: VN066559.D
Acq: 9 Apr 2021 13:33

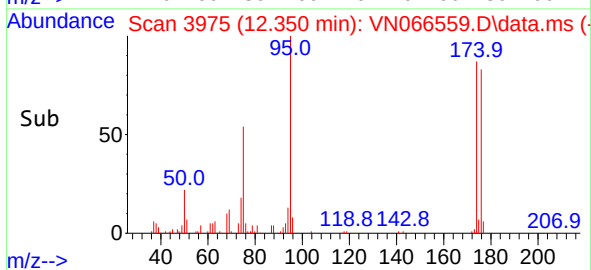
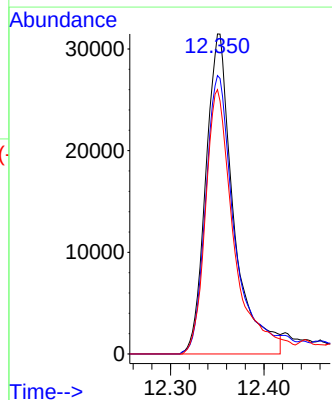
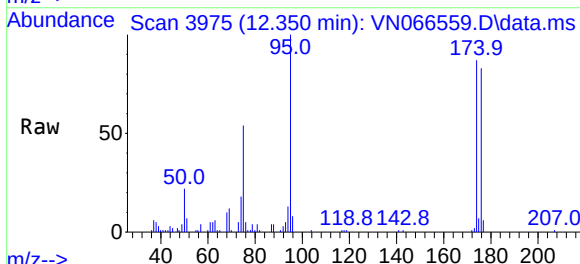
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(APR)

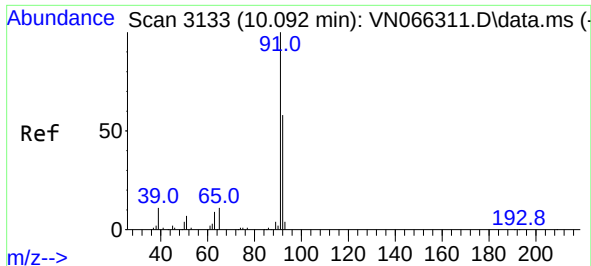
Tgt Ion:	43	Resp:	20244
Ion	Ratio	Lower	Upper
43	100		
58	32.4	30.4	45.6
85	14.2	13.8	20.8



#60
4-Bromofluorobenzene
Concen: 21.45 ug/l
RT: 12.350 min Scan# 3975
Delta R.T. 0.005 min
Lab File: VN066559.D
Acq: 9 Apr 2021 13:33

Tgt Ion:	95	Resp:	65027
Ion	Ratio	Lower	Upper
95	100		
174	89.4	68.1	102.1
176	85.1	65.4	98.0

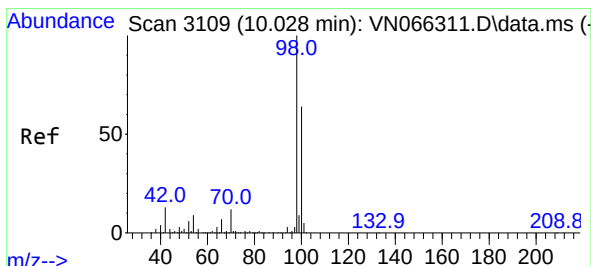
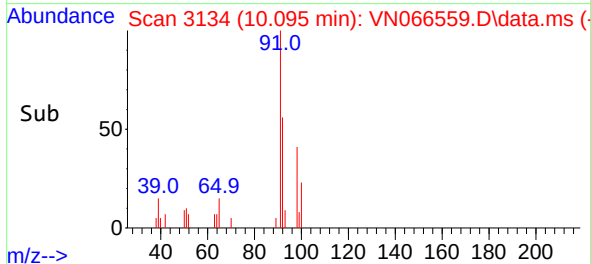
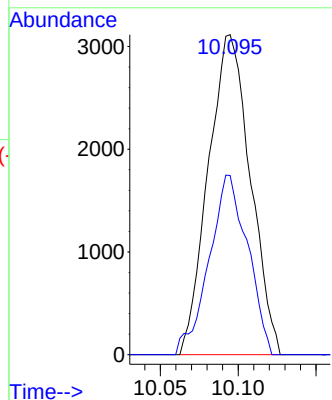
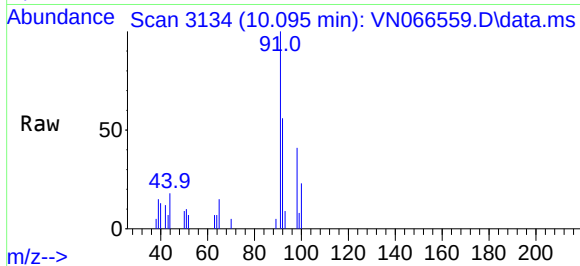




#62
Toluene
Concen: 0.54 ug/l
RT: 10.095 min Scan# 3134
Delta R.T. 0.003 min
Lab File: VN066559.D
Acq: 9 Apr 2021 13:33

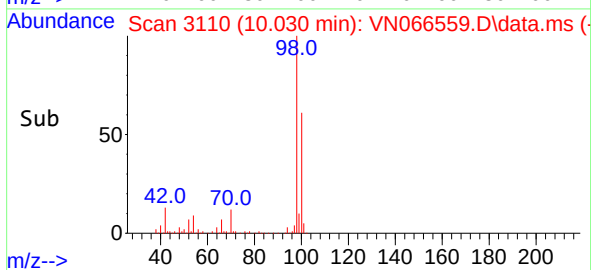
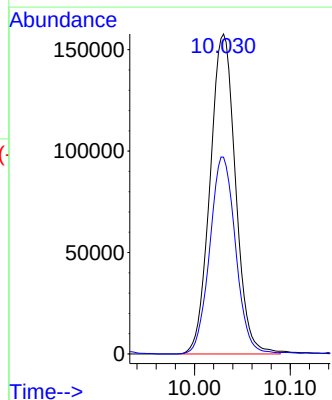
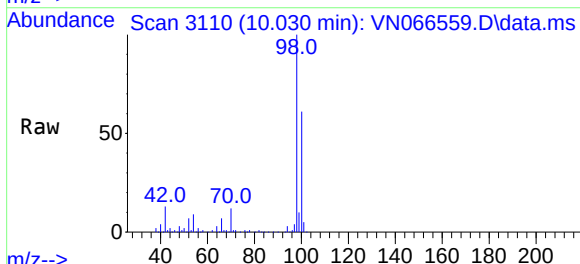
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(APR)

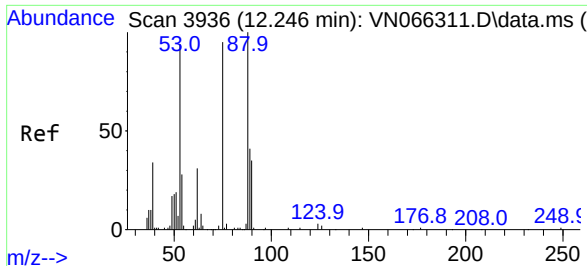
Tgt Ion: 91 Resp: 5846
Ion Ratio Lower Upper
91 100
92 51.4 46.2 69.2



#63
Toluene-d8
Concen: 31.89 ug/l
RT: 10.030 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN066559.D
Acq: 9 Apr 2021 13:33

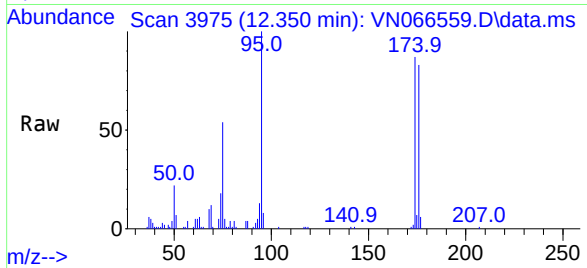
Tgt Ion: 98 Resp: 290734
Ion Ratio Lower Upper
98 100
100 62.4 51.1 76.7





#77
t-1,4-Dichloro-2-butene
Concen: 31.63 ug/l
RT: 12.350 min Scan# 3975
Delta R.T. 0.105 min
Lab File: VN066559.D
Acq: 9 Apr 2021 13:33

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



Tgt Ion: 75 Resp: 35471
Ion Ratio Lower Upper
75 100
53 0.0 49.6 149.0#
89 0.0 22.9 68.7#

