

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033021\
 Data File : VN066427.D
 Acq On : 30 Mar 2021 18:06
 Operator : JC/MD
 Sample : M1869-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-030-IDW/GW-20210329

Quant Time: Mar 31 02:55:17 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)

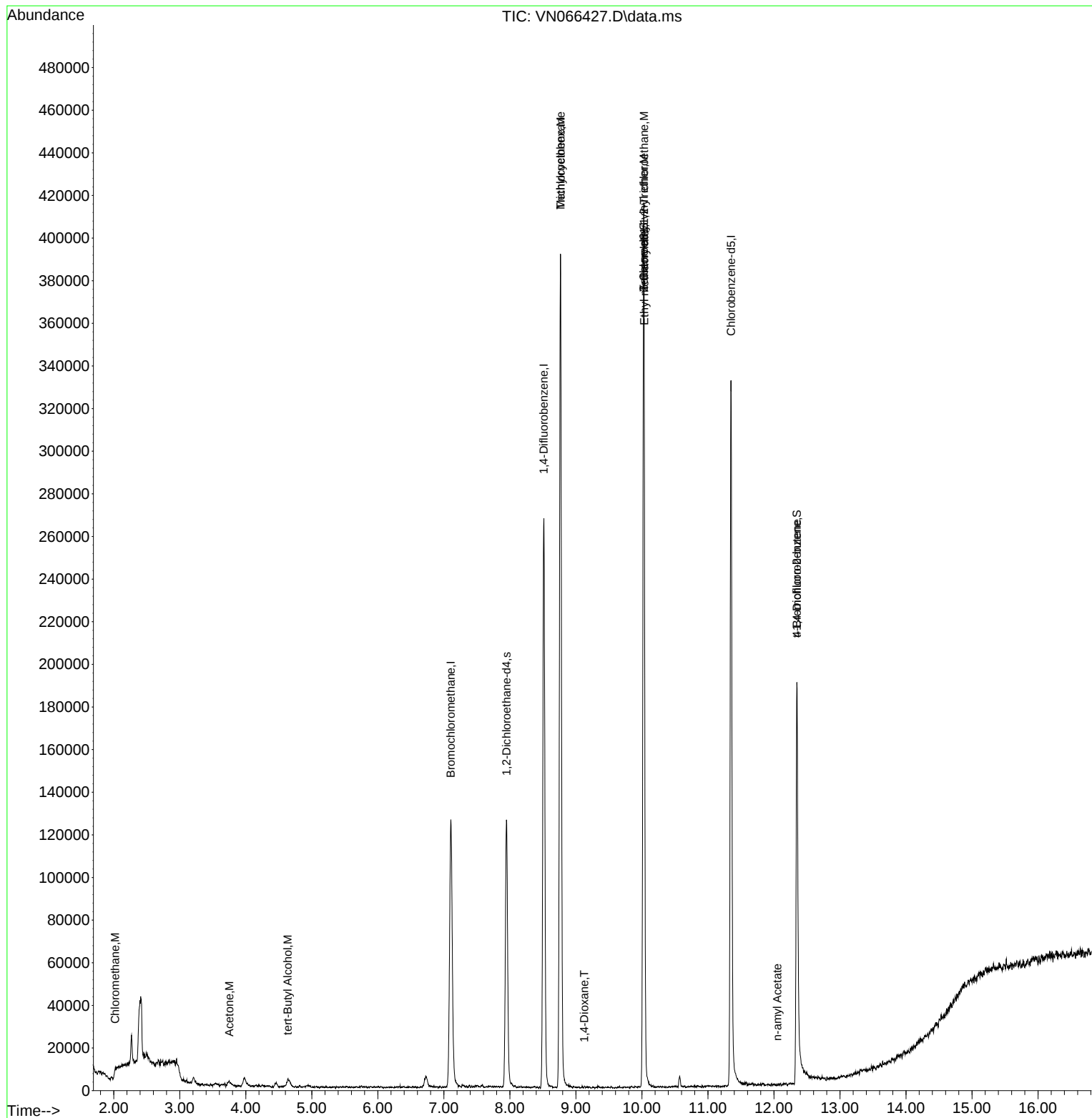
Internal Standards						
1) Bromochloromethane	7.104	128	47776	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.515	114	237931	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.350	117	198095	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.949	65	105917	28.84	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.13%
60) 4-Bromofluorobenzene	12.348	95	74693	24.16	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.53%
63) Toluene-d8	10.028	98	289112	31.10	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.67%
Target Compounds						
					Qvalue	
3) Chloromethane	2.022	50	1696	0.50	ug/l #	88
13) Acrolein	3.543	56	276	Below	Cal	91
15) Acetone	3.749	58	1242	2.70	ug/l #	1
23) tert-Butyl Alcohol	4.634	59	198	0.31	ug/l #	100
37) Trichloroethene	8.767	130	147420	52.12	ug/l	96
38) Methylcyclohexane	8.767	83	1939	0.44	ug/l #	1
45) 1,4-Dioxane	9.127	88	115	2.51	ug/l #	33
47) n-amyl Acetate	12.053	43	56	6.15	ug/l #	54
50) 1,1,2-Trichloroethane	10.033	97	10641	3.94	ug/l #	1
51) Ethyl methacrylate	10.036	69	1185	0.28	ug/l #	70
55) 2-Chloroethyl vinyl ether	10.028	63	254	0.40	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.348	75	37750	33.01	ug/l #	10

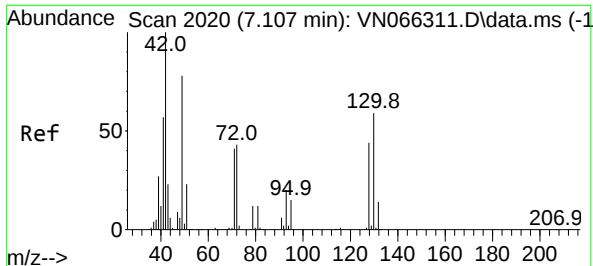
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 25 05:52:50 2021
Response via : Initial Calibration

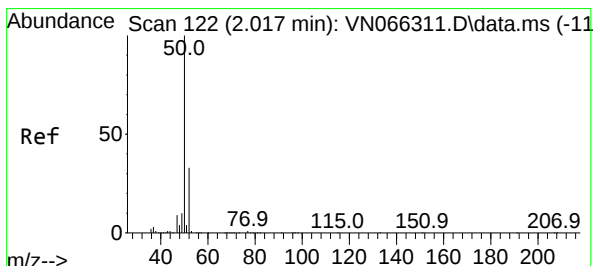
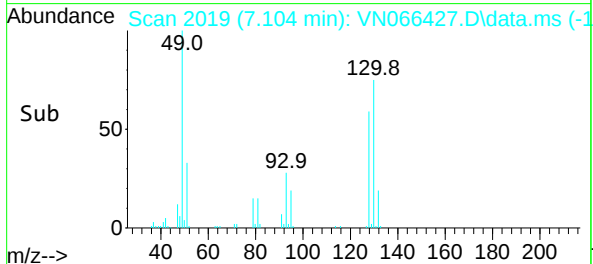
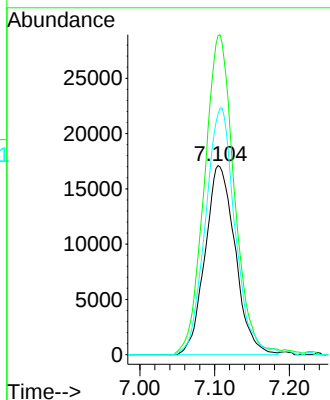
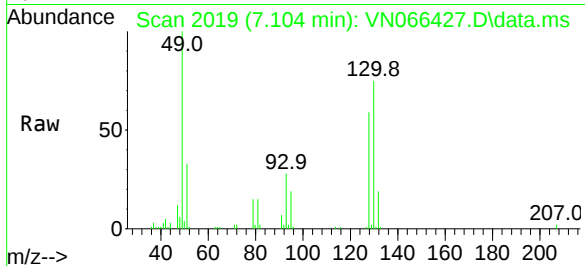




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.104 min Scan# 2019
Delta R.T. -0.003 min
Lab File: VN066427.D
Acq: 30 Mar 2021 18:06

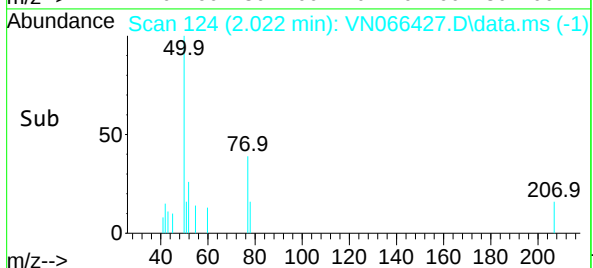
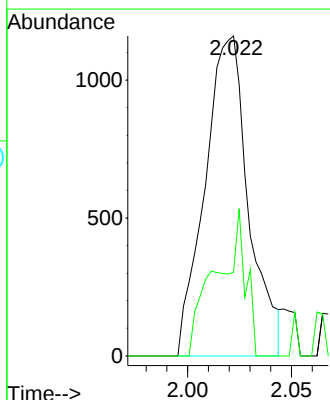
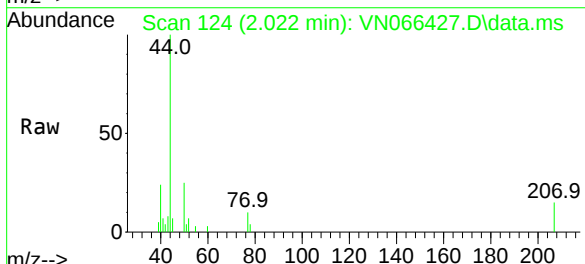
Instrument :
MSVOA_N
ClientSampleId :
TT-030-IDW/GW-20210329

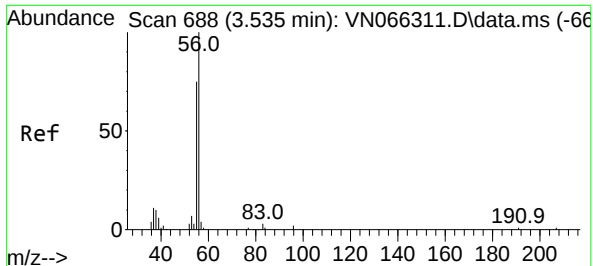
Tgt Ion:128 Resp: 47776
Ion Ratio Lower Upper
128 100
49 167.7 0.0 429.3
130 128.1 0.0 328.5



#3
Chloromethane
Concen: 0.50 ug/l
RT: 2.022 min Scan# 124
Delta R.T. 0.005 min
Lab File: VN066427.D
Acq: 30 Mar 2021 18:06

Tgt Ion: 50 Resp: 1696
Ion Ratio Lower Upper
50 100
52 26.1 26.2 39.4#

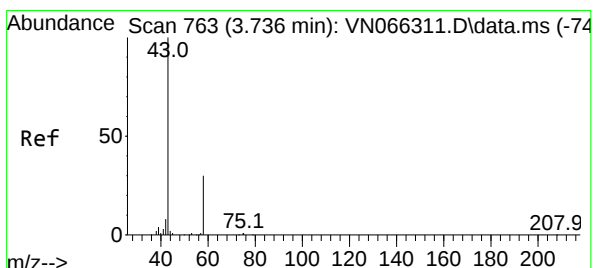
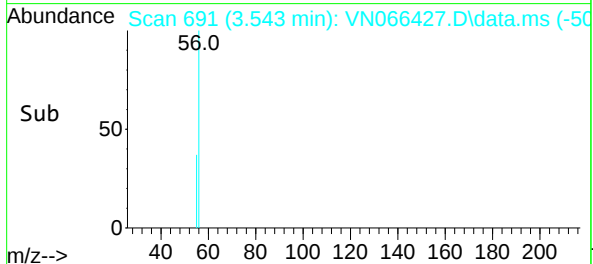
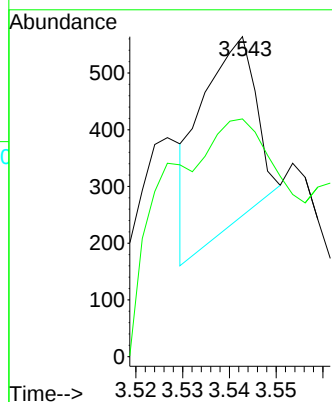
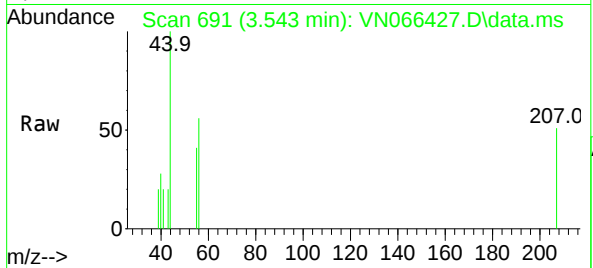




#13
Acrolein
Concen: Below Cal
RT: 3.543 min Scan# 691
Delta R.T. 0.008 min
Lab File: VN066427.D
Acq: 30 Mar 2021 18:06

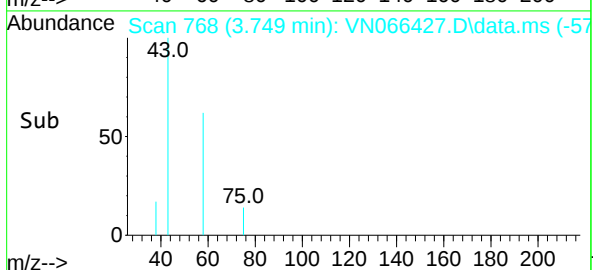
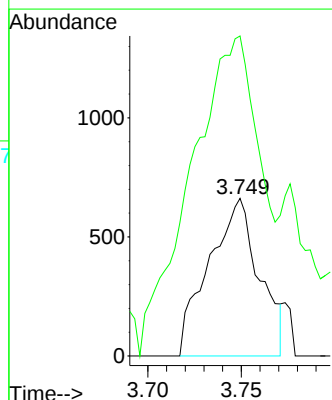
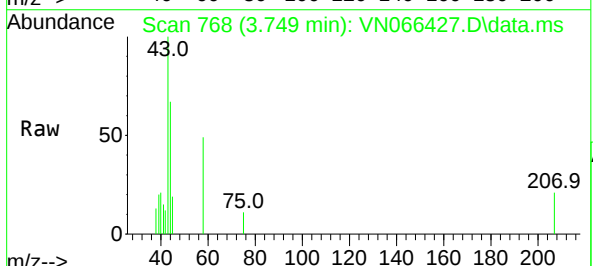
Instrument :
MSVOA_N
ClientSampleId :
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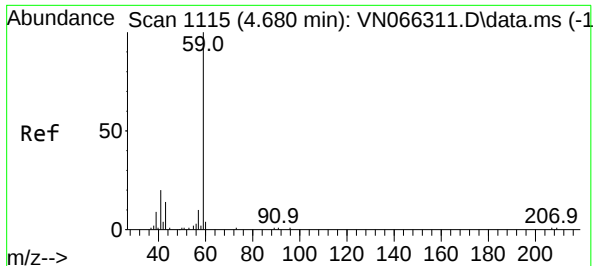
Tgt Ion: 56 Resp: 276
Ion Ratio Lower Upper
56 100
55 75.0 54.1 81.1



#15
Acetone
Concen: 2.70 ug/l
RT: 3.749 min Scan# 768
Delta R.T. 0.013 min
Lab File: VN066427.D
Acq: 30 Mar 2021 18:06

Tgt Ion: 58 Resp: 1242
Ion Ratio Lower Upper
58 100
43 118.4 267.3 400.9#

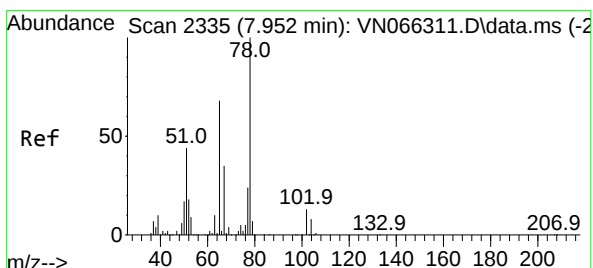
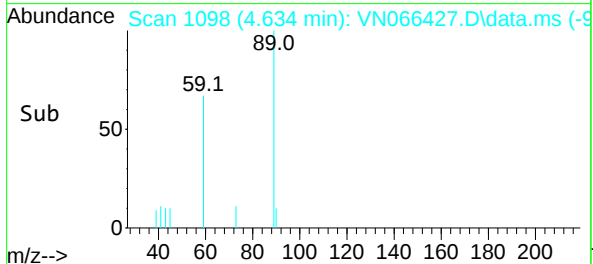
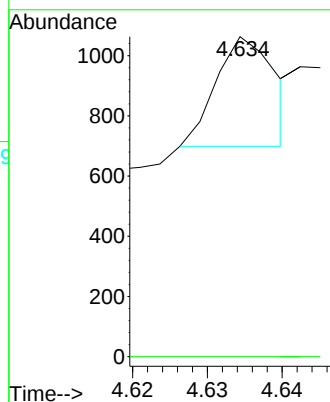
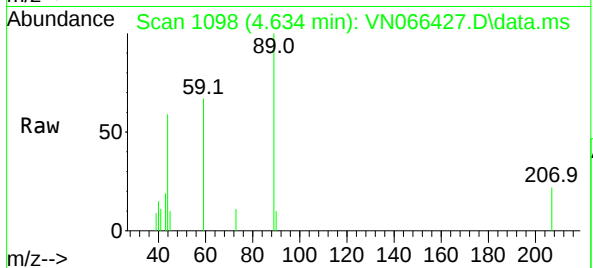




#23
tert-Butyl Alcohol
Concen: 0.31 ug/l
RT: 4.634 min Scan# 1098
Delta R.T. -0.046 min
Lab File: VN066427.D
Acq: 30 Mar 2021 18:06

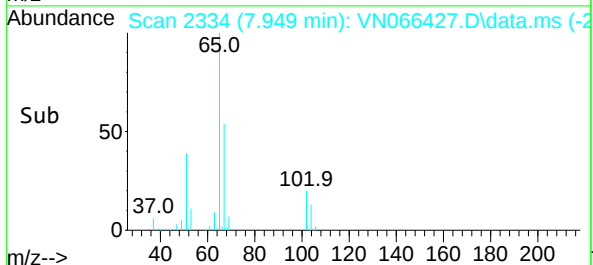
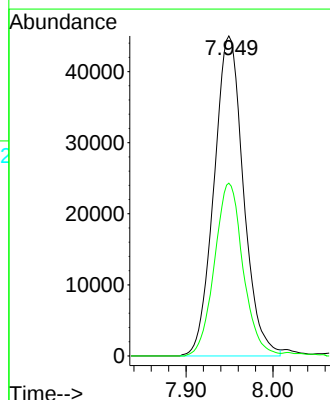
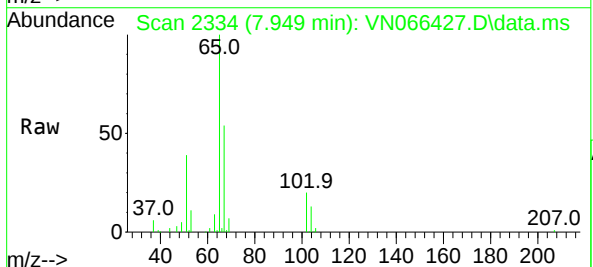
Instrument :
MSVOA_N
ClientSampleId :
TT-030-IDW/GW-20210329

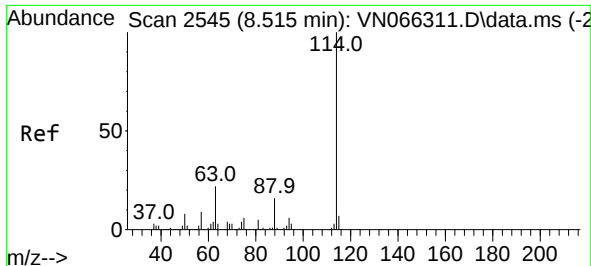
Tgt Ion: 59 Resp: 198
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 28.84 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. -0.003 min
Lab File: VN066427.D
Acq: 30 Mar 2021 18:06

Tgt Ion: 65 Resp: 105917
Ion Ratio Lower Upper
65 100
67 52.4 42.2 63.4

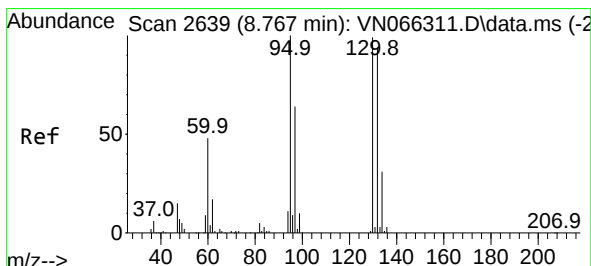
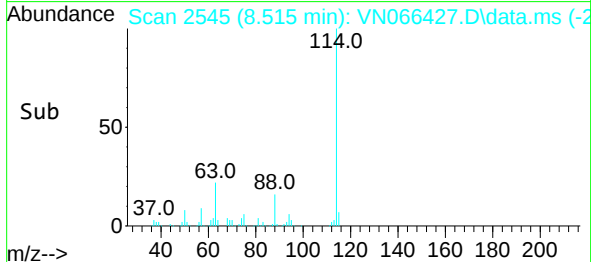
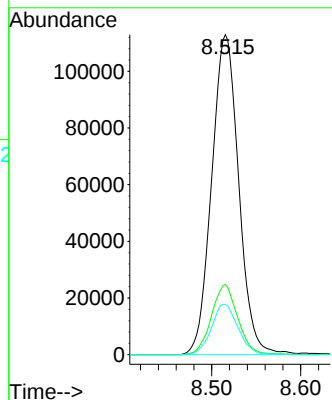
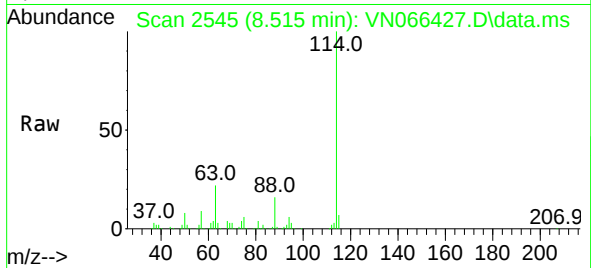




#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.000 min
Lab File: VN066427.D
Acq: 30 Mar 2021 18:06

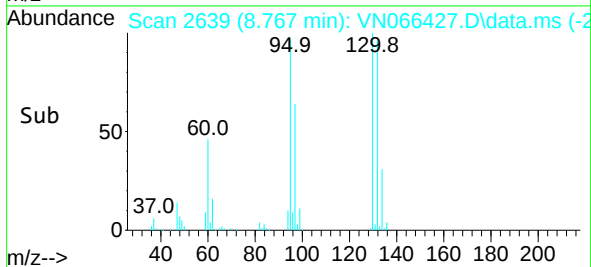
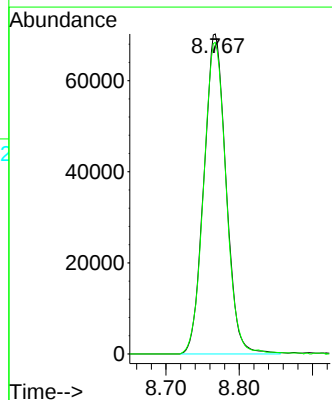
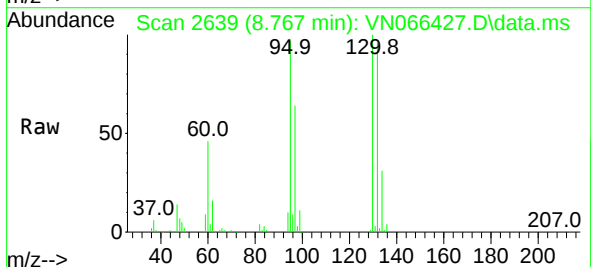
Instrument :
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ClientSampleId :
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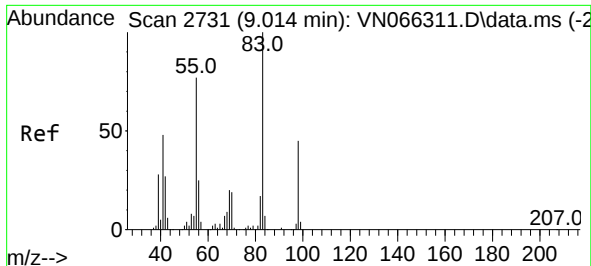
Tgt Ion:114 Resp: 237931
Ion Ratio Lower Upper
114 100
63 21.3 17.4 26.0
88 15.4 12.6 19.0



#37
Trichloroethene
Concen: 52.12 ug/l
RT: 8.767 min Scan# 2639
Delta R.T. 0.000 min
Lab File: VN066427.D
Acq: 30 Mar 2021 18:06

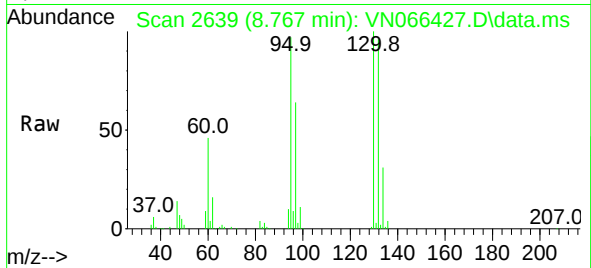
Tgt Ion:130 Resp: 147420
Ion Ratio Lower Upper
130 100
95 97.3 80.7 121.1



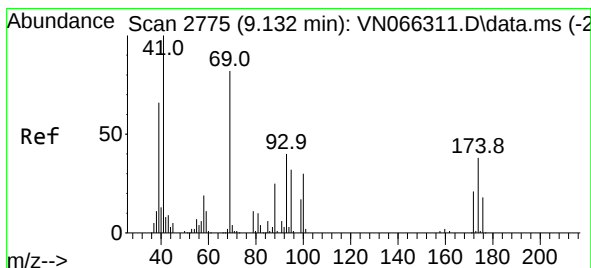
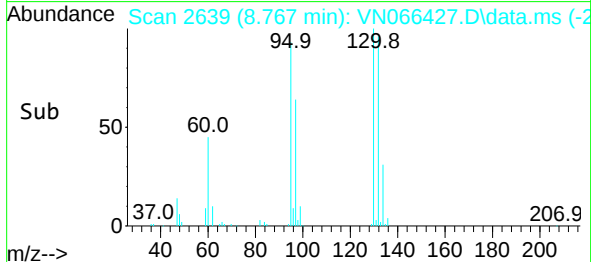
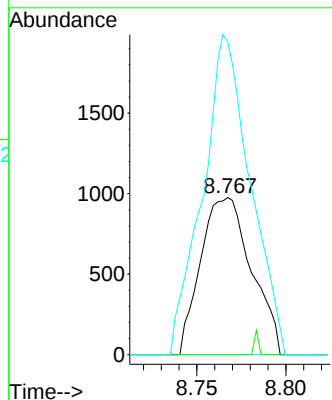


#38
Methylcyclohexane
Concen: 0.44 ug/l
RT: 8.767 min Scan# 2639
Delta R.T. -0.247 min
Lab File: VN066427.D
Acq: 30 Mar 2021 18:06

Instrument :
MSVOA_N
ClientSampleId :
TT-030-IDW/GW-20210329

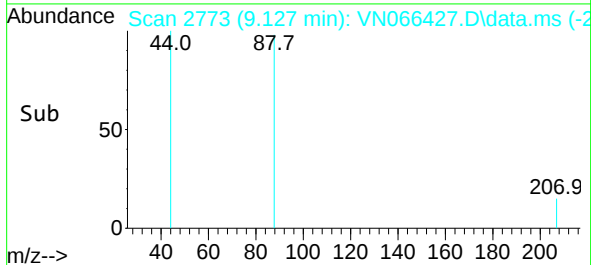
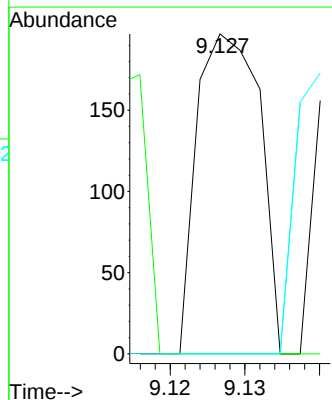
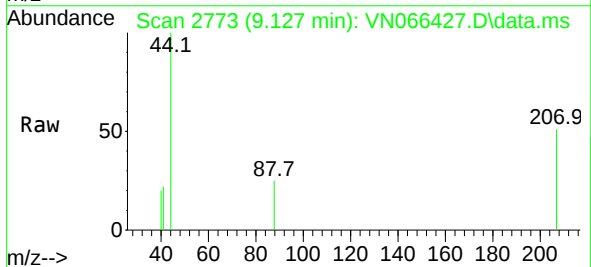


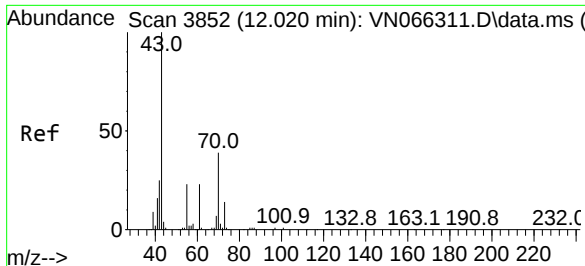
Tgt Ion: 83 Resp: 1939
Ion Ratio Lower Upper
83 100
55 2.7 38.8 116.3#
98 191.0 22.2 66.6#



#45
1,4-Dioxane
Concen: 2.51 ug/l
RT: 9.127 min Scan# 2773
Delta R.T. -0.005 min
Lab File: VN066427.D
Acq: 30 Mar 2021 18:06

Tgt Ion: 88 Resp: 115
Ion Ratio Lower Upper
88 100
43 47.8 27.0 40.4#
58 0.0 57.9 86.9#

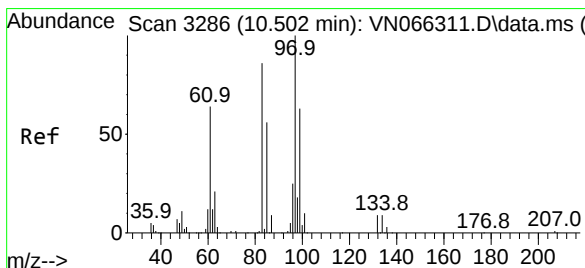
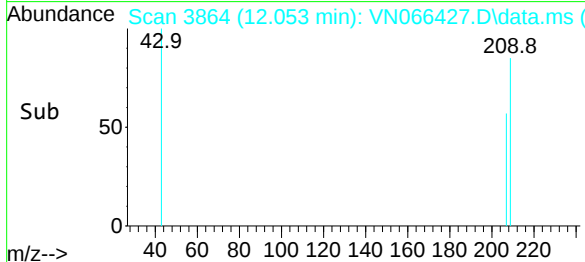
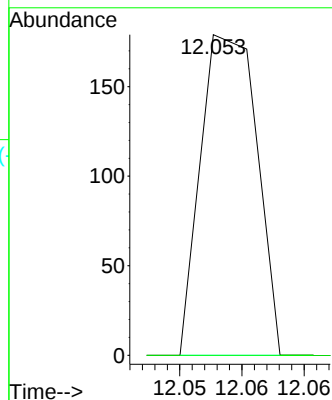
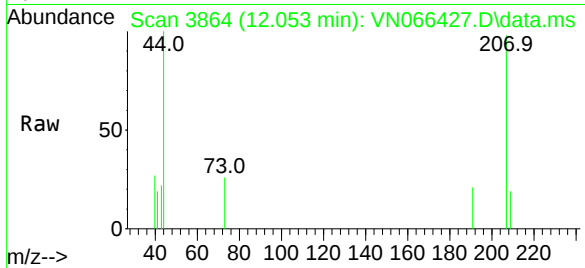




#47
n-amy1 Acetate
Concen: 6.15 ug/l
RT: 12.053 min Scan# 3864
Delta R.T. 0.033 min
Lab File: VN066427.D
Acq: 30 Mar 2021 18:06

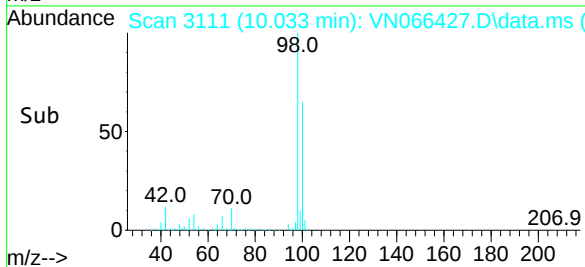
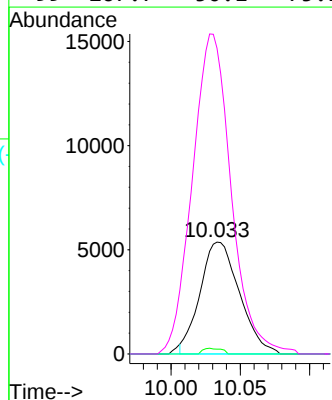
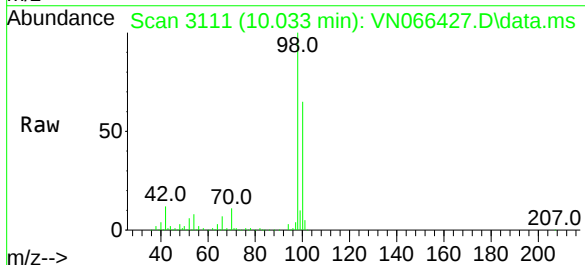
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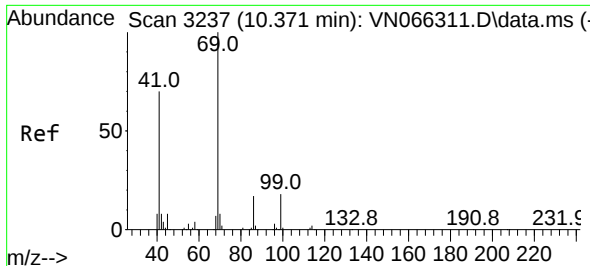
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
55 0.0 17.7 26.5#



#50
1,1,2-Trichloroethane
Concen: 3.94 ug/l
RT: 10.033 min Scan# 3111
Delta R.T. -0.469 min
Lab File: VN066427.D
Acq: 30 Mar 2021 18:06

Tgt Ion: 97 Resp: 10641
Ion Ratio Lower Upper
97 100
83 4.3 68.8 103.2#
85 0.0 44.8 67.2#
99 267.7 50.1 75.1#

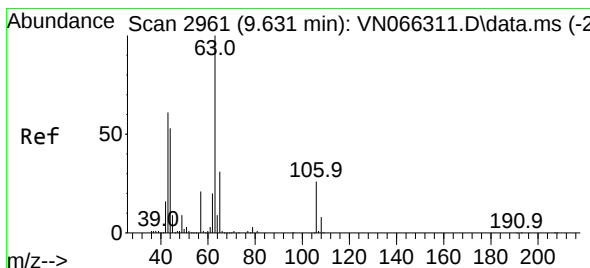
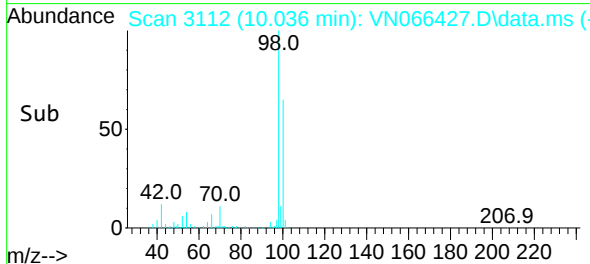
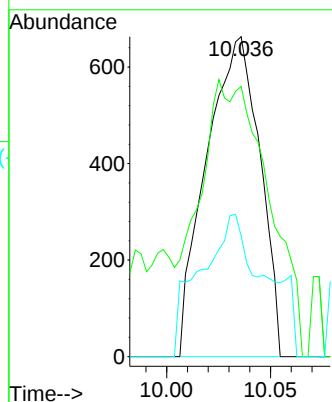
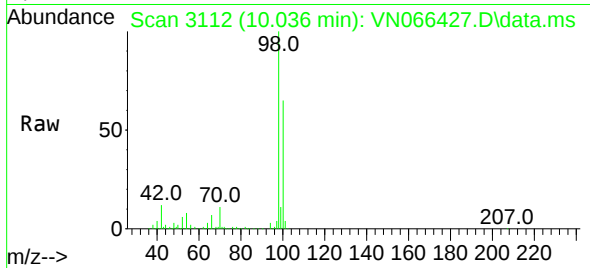




#51
Ethyl methacrylate
Concen: 0.28 ug/l
RT: 10.036 min Scan# 3112
Delta R.T. -0.335 min
Lab File: VN066427.D
Acq: 30 Mar 2021 18:06

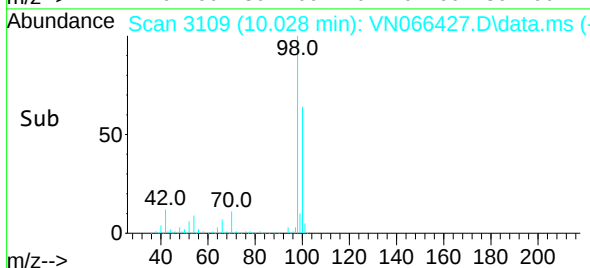
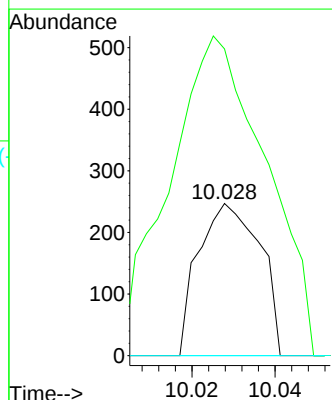
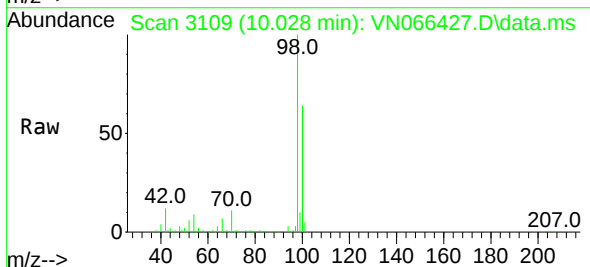
Instrument :
MSVOA_N
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TT-030-IDW/GW-20210329

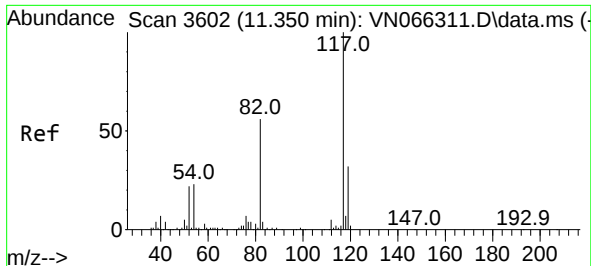
Tgt Ion: 69 Resp: 1185
Ion Ratio Lower Upper
69 100
41 54.3 34.8 104.5
39 14.6 22.5 67.5#



#55
2-Chloroethyl vinyl ether
Concen: 0.40 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. 0.397 min
Lab File: VN066427.D
Acq: 30 Mar 2021 18:06

Tgt Ion: 63 Resp: 254
Ion Ratio Lower Upper
63 100
65 329.1 26.0 39.0#
106 0.0 20.6 31.0#

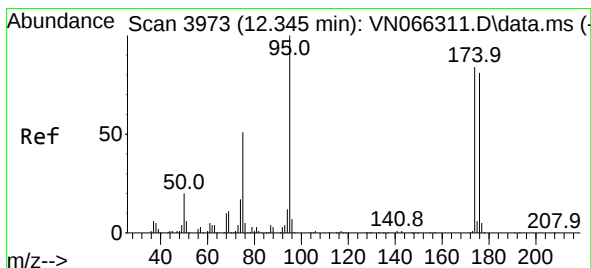
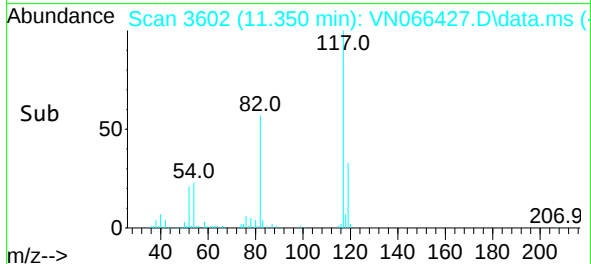
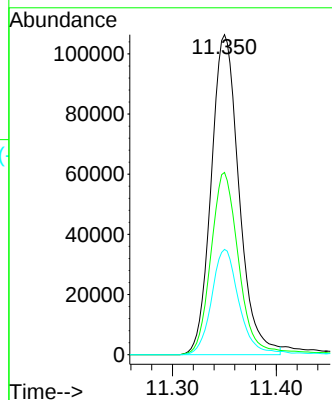
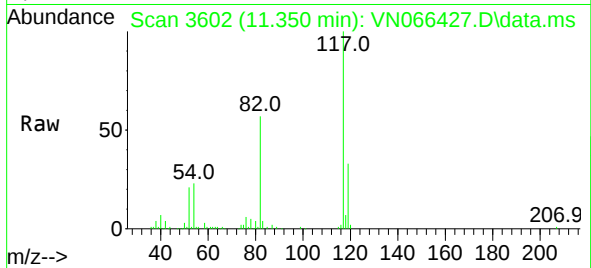




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.000 min
Lab File: VN066427.D
Acq: 30 Mar 2021 18:06

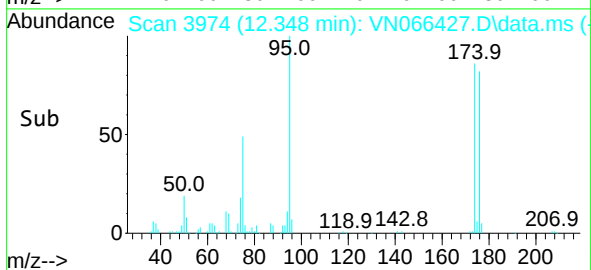
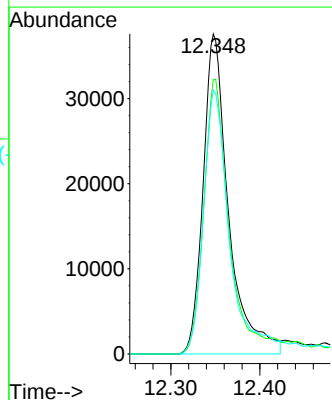
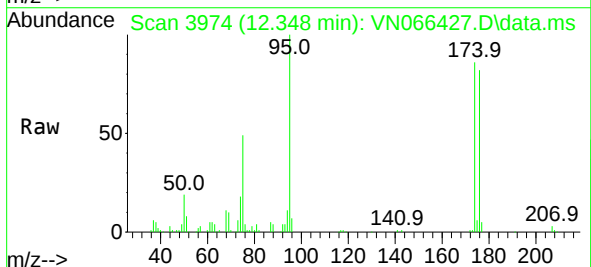
Instrument :
MSVOA_N
ClientSampleId :
TT-030-IDW/GW-20210329

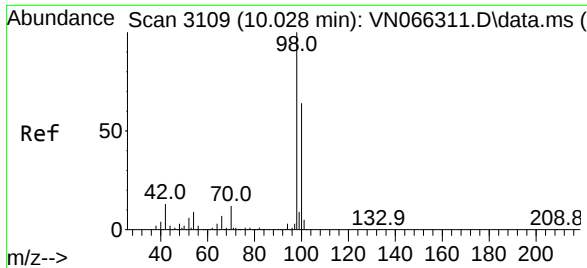
Tgt Ion:	117	Resp:	198095
Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.0	67.6
119	32.3	25.5	38.3



#60
4-Bromofluorobenzene
Concen: 24.16 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066427.D
Acq: 30 Mar 2021 18:06

Tgt Ion:	95	Resp:	74693
Ion	Ratio	Lower	Upper
95	100		
174	83.8	68.1	102.1
176	81.3	65.4	98.0

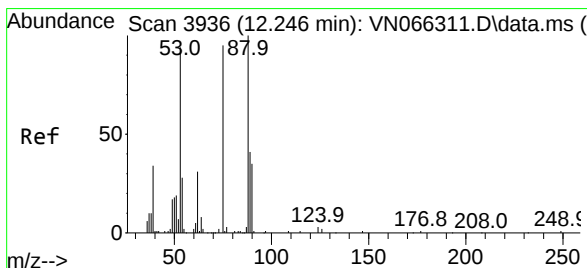
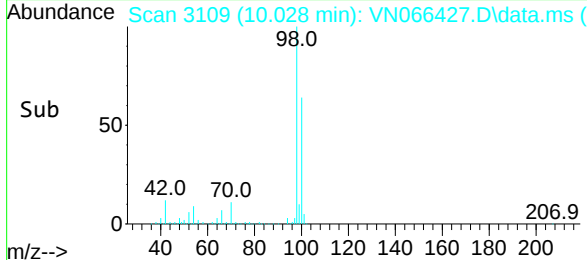
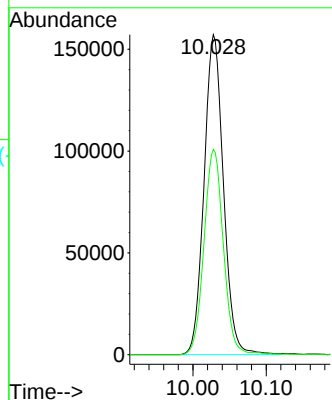
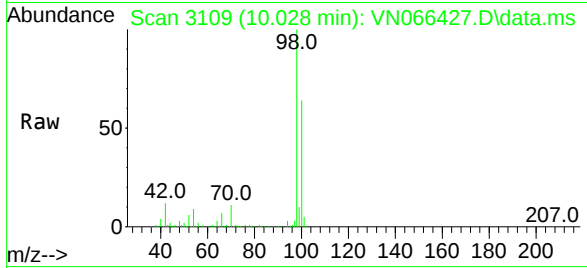




#63
Toluene-d8
Concen: 31.10 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066427.D
Acq: 30 Mar 2021 18:06

Instrument :
MSVOA_N
ClientSampleId :
TT-030-IDW/GW-20210329

Tgt Ion: 98 Resp: 289112
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7



#77
t-1,4-Dichloro-2-butene
Concen: 33.01 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.102 min
Lab File: VN066427.D
Acq: 30 Mar 2021 18:06

Tgt Ion: 75 Resp: 37750
Ion Ratio Lower Upper
75 100
53 0.0 49.6 149.0#
89 0.0 22.9 68.7#

