

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030521\
 Data File : VN066142.D
 Acq On : 5 Mar 2021 18:27
 Operator : JC/MD
 Sample : M1585-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-028-IDWGW-20210304

Quant Time: Mar 06 02:43:18 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)

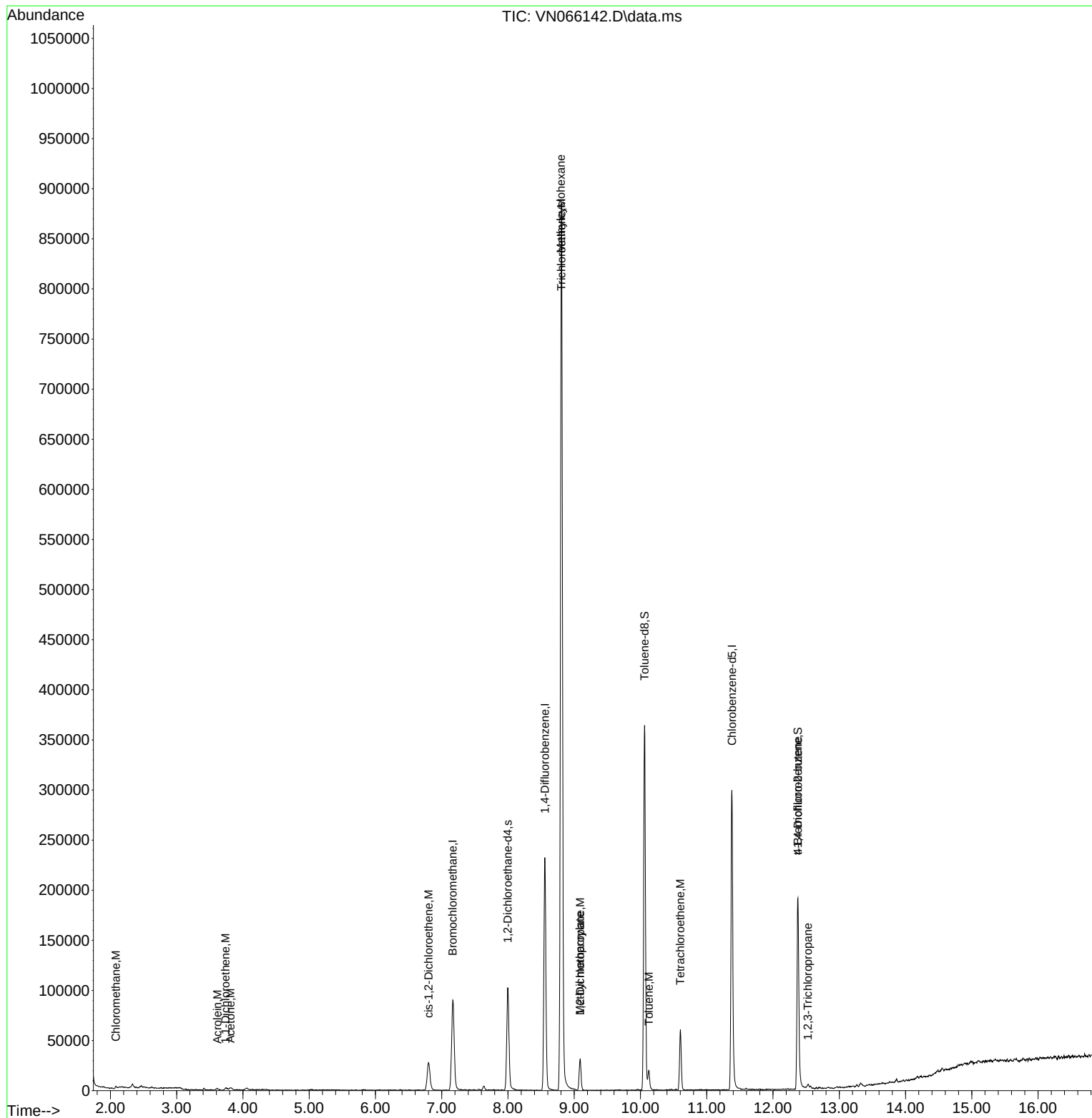
Internal Standards						
1) Bromochloromethane	7.168	128	36960	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.557	114	214175	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	190171	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.997	65	97230	30.30	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.00%
60) 4-Bromofluorobenzene	12.373	95	81767	24.83	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.77%
63) Toluene-d8	10.061	98	267265	31.18	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.93%
Target Compounds						
					Qvalue	
3) Chloromethane	2.081	50	1343	0.55	ug/l	96
10) 1,1-Dichloroethene	3.737	96	1029	0.56	ug/l #	63
13) Acrolein	3.615	56	2053	5.96	ug/l	84
15) Acetone	3.814	58	931	3.32	ug/l	95
22) cis-1,2-Dichloroethene	6.801	96	19150	7.52	ug/l #	85
37) Trichloroethene	8.807	130	338263	130.92	ug/l	92
38) Methylcyclohexane	8.801	83	1790	0.53	ug/l #	1
39) 1,2-Dichloropropane	9.090	63	12273	5.07	ug/l	98
46) Methyl methacrylate	9.087	41	7557	3.30	ug/l #	26
61) Tetrachloroethene	10.602	164	13825	5.65	ug/l	91
62) Toluene	10.126	91	13608	1.39	ug/l	98
72) 1,2,3-Trichloropropane	12.527	75	1816	0.59	ug/l	1
77) t-1,4-Dichloro-2-butene	12.373	75	43197	40.07	ug/l #	14

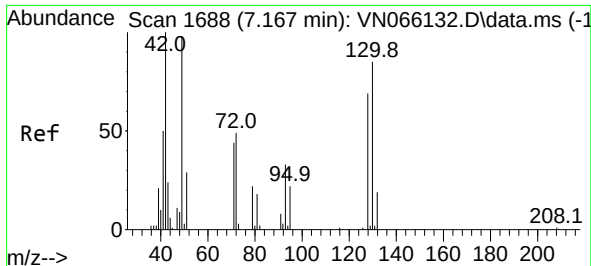
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030521\
Data File : VN066142.D
Acq On : 5 Mar 2021 18:27
Operator : JC/MD
Sample : M1585-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TT-028-IDWGW-20210304

Quant Time: Mar 06 02:43:18 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

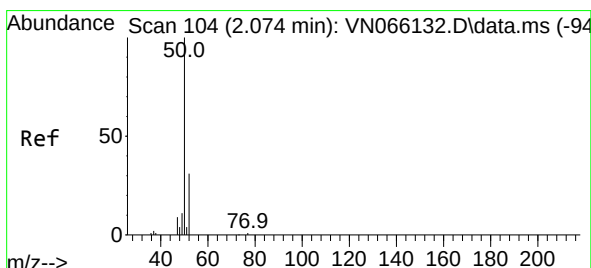
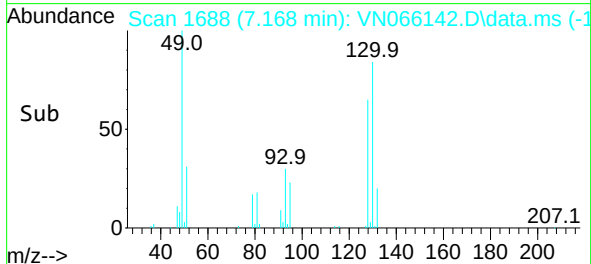
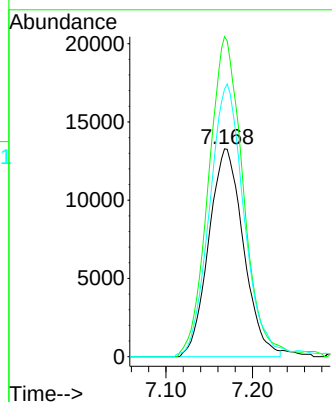
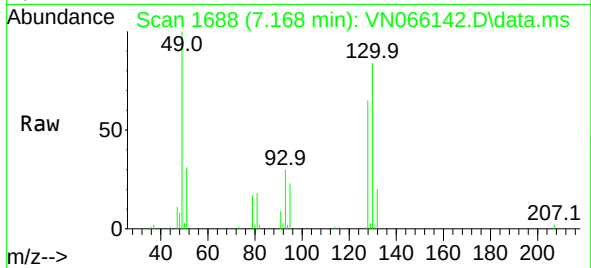




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.168 min Scan# 1688
Delta R.T. 0.001 min
Lab File: VN066142.D
Acq: 5 Mar 2021 18:27

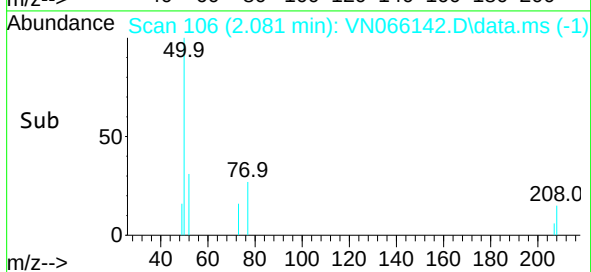
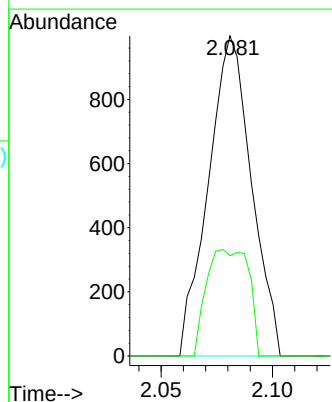
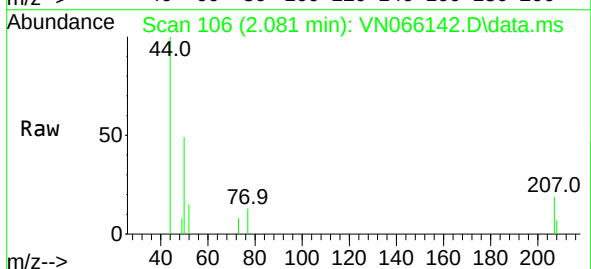
Instrument :
MSVOA_N
ClientSampleId :
TT-028-IDWGW-20210304

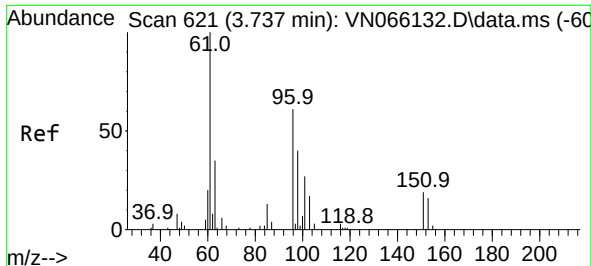
Tgt Ion:128 Resp: 36960
Ion Ratio Lower Upper
128 100
49 153.3 0.0 355.0
130 130.6 0.0 325.5



#3
Chloromethane
Concen: 0.55 ug/l
RT: 2.081 min Scan# 106
Delta R.T. 0.007 min
Lab File: VN066142.D
Acq: 5 Mar 2021 18:27

Tgt Ion: 50 Resp: 1343
Ion Ratio Lower Upper
50 100
52 31.4 26.8 40.2





#10

1,1-Dichloroethene

Concen: 0.56 ug/l

RT: 3.737 min Scan# 621

Delta R.T. 0.000 min

Lab File: VN066142.D

Acq: 5 Mar 2021 18:27

Tgt Ion: 96 Resp: 1029

Ion Ratio Lower Upper

96 100

61 88.0 119.9 179.9#

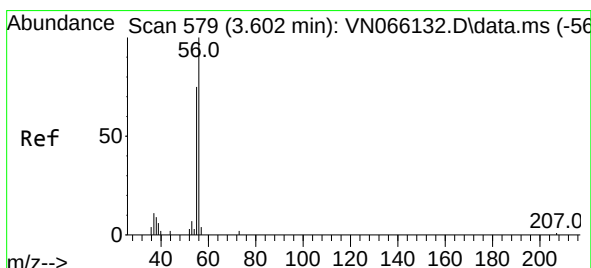
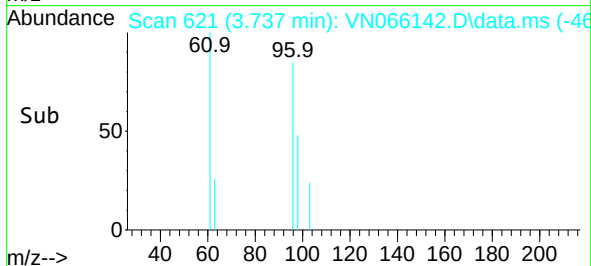
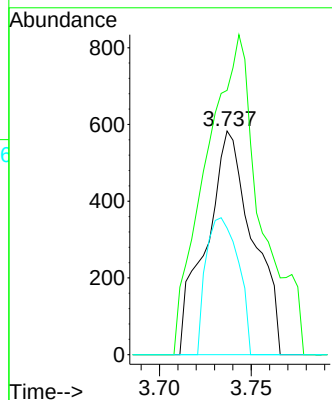
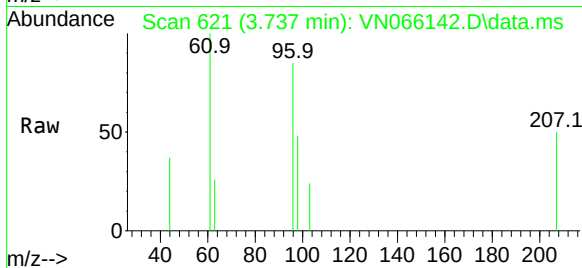
98 56.6 51.2 76.8

Instrument :

MSVOA_N

ClientSampleId :

TT-028-IDW/GW-20210304



#13

Acrolein

Concen: 5.96 ug/l

RT: 3.615 min Scan# 583

Delta R.T. 0.013 min

Lab File: VN066142.D

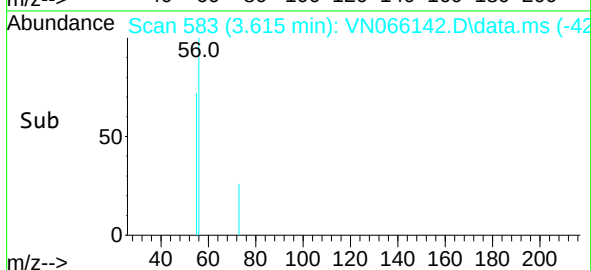
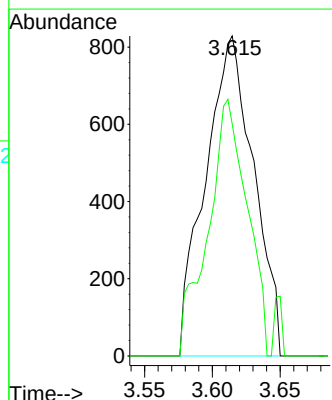
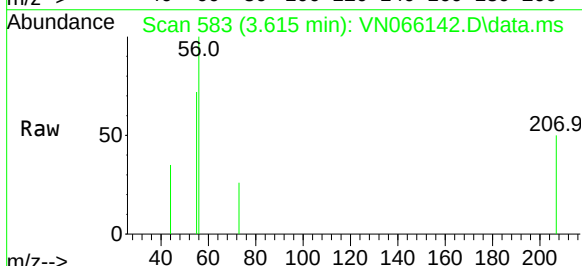
Acq: 5 Mar 2021 18:27

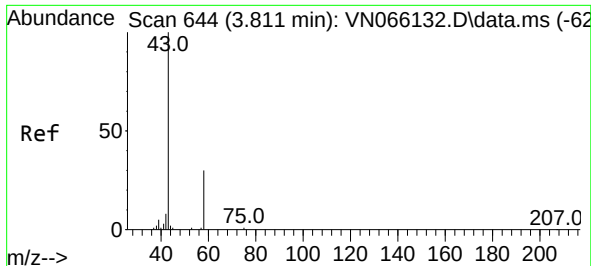
Tgt Ion: 56 Resp: 2053

Ion Ratio Lower Upper

56 100

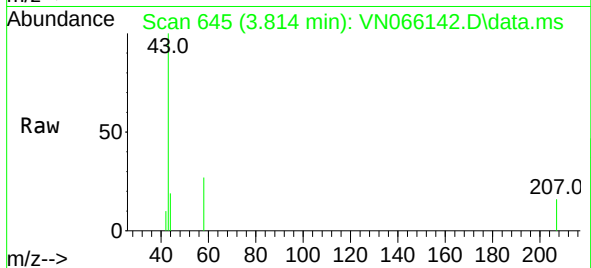
55 58.4 57.7 86.5



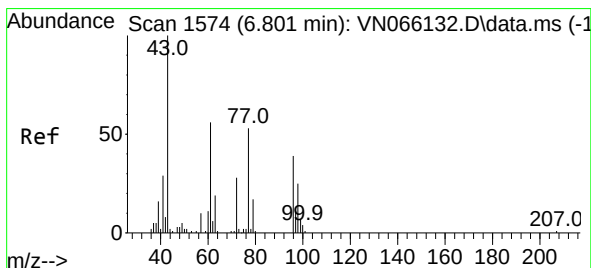
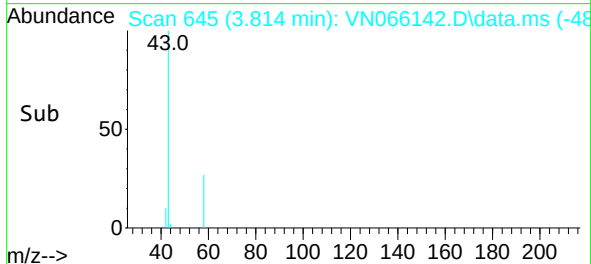
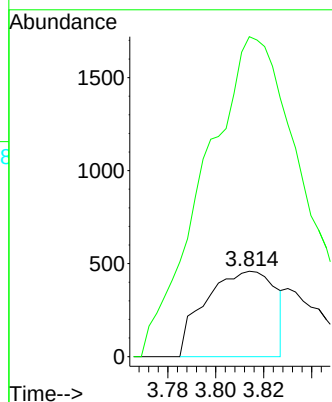


#15
Acetone
Concen: 3.32 ug/l
RT: 3.814 min Scan# 645
Delta R.T. 0.003 min
Lab File: VN066142.D
Acq: 5 Mar 2021 18:27

Instrument :
MSVOA_N
ClientSampleId :
TT-028-IDWGW-20210304

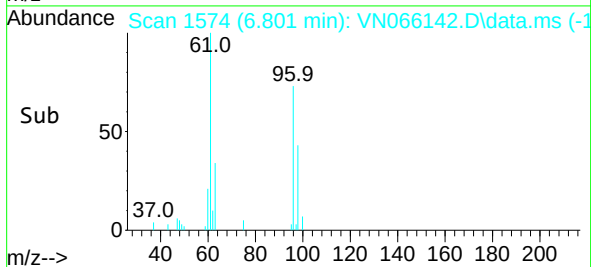
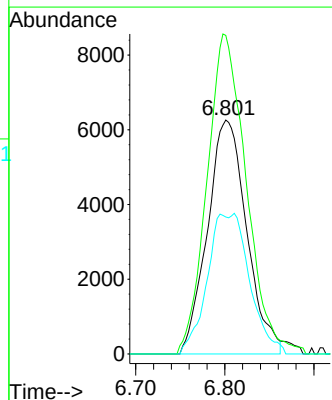
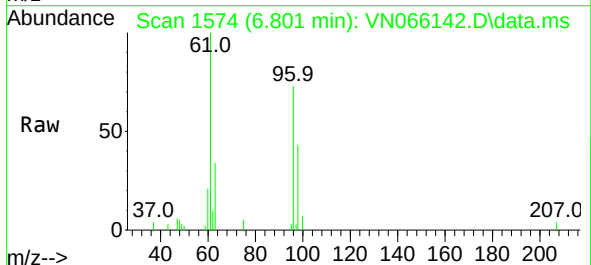


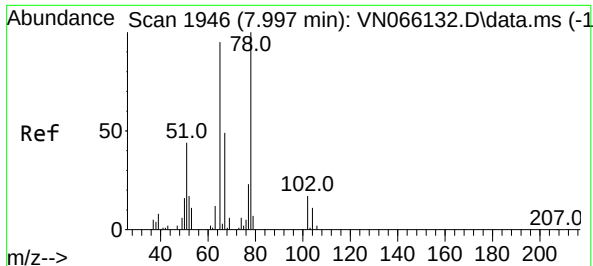
Tgt Ion: 58 Resp: 931
Ion Ratio Lower Upper
58 100
43 263.6 203.4 305.0



#22
cis-1,2-Dichloroethene
Concen: 7.52 ug/l
RT: 6.801 min Scan# 1574
Delta R.T. 0.000 min
Lab File: VN066142.D
Acq: 5 Mar 2021 18:27

Tgt Ion: 96 Resp: 19150
Ion Ratio Lower Upper
96 100
61 136.9 112.5 168.7
98 33.7 52.2 78.2#



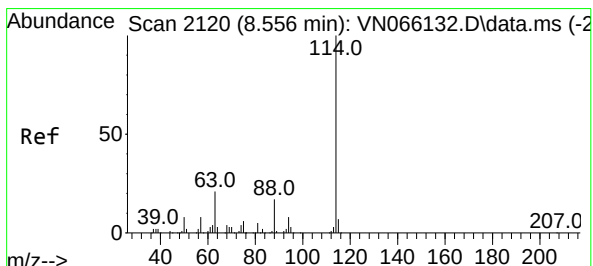
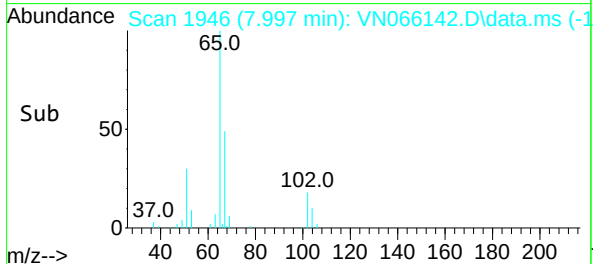
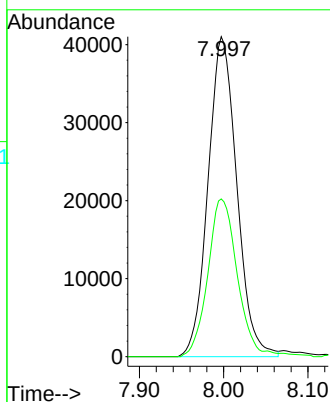
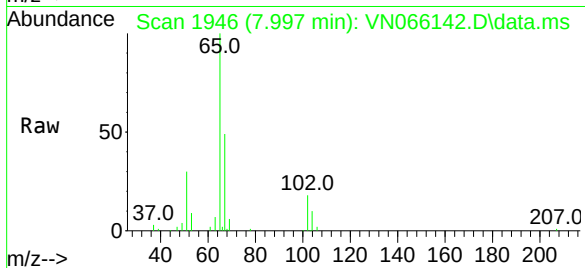


#27

1,2-Dichloroethane-d4
Concen: 30.30 ug/l
RT: 7.997 min Scan# 1946
Delta R.T. 0.000 min
Lab File: VN066142.D
Acq: 5 Mar 2021 18:27

Instrument :
MSVOA_N
ClientSampleId :
TT-028-IDWGW-20210304

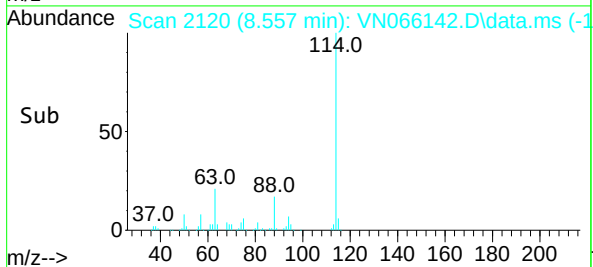
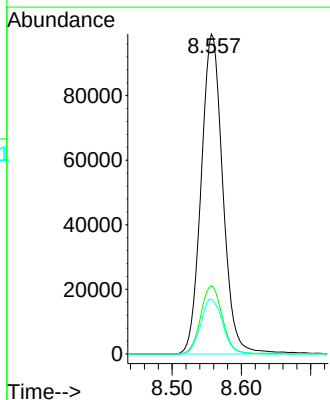
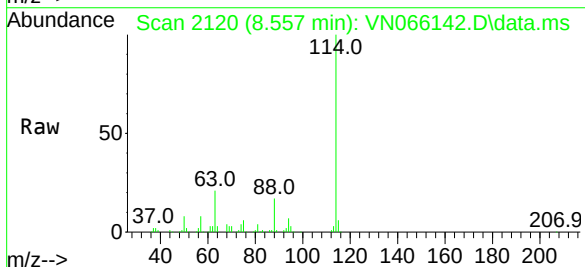
Tgt Ion: 65 Resp: 97230
Ion Ratio Lower Upper
65 100
67 49.6 42.8 64.2

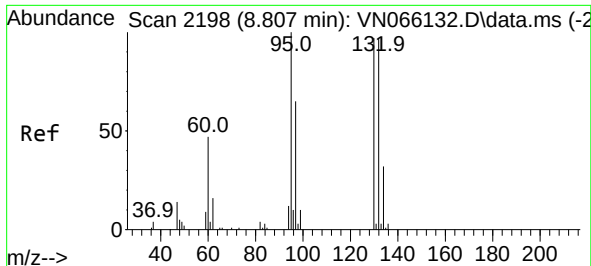


#28

1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.557 min Scan# 2120
Delta R.T. 0.000 min
Lab File: VN066142.D
Acq: 5 Mar 2021 18:27

Tgt Ion: 114 Resp: 214175
Ion Ratio Lower Upper
114 100
63 21.4 14.7 22.1
88 17.5 11.7 17.5

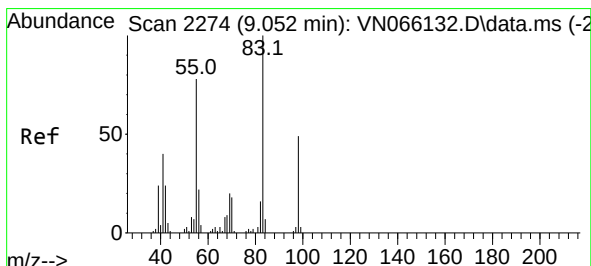
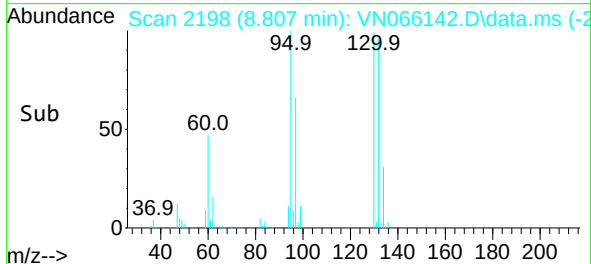
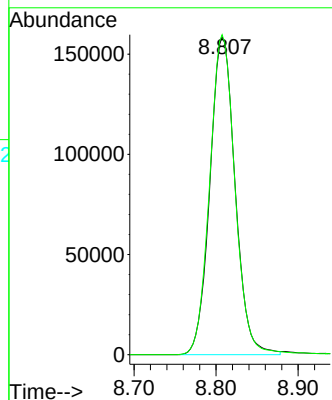
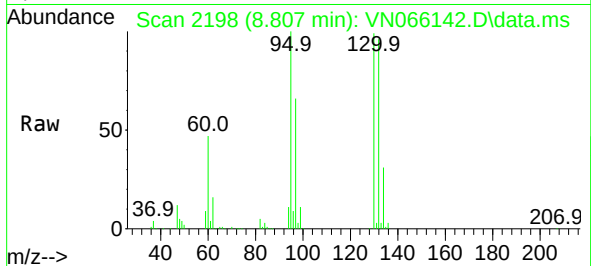




#37
Trichloroethene
Concen: 130.92 ug/l
RT: 8.807 min Scan# 2198
Delta R.T. 0.000 min
Lab File: VN066142.D
Acq: 5 Mar 2021 18:27

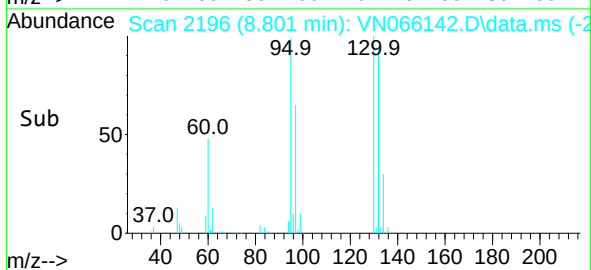
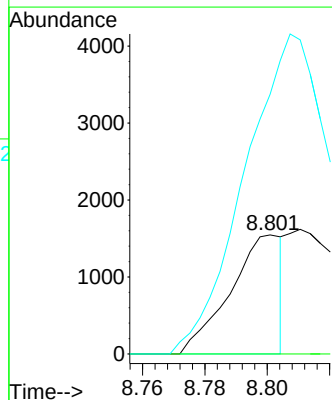
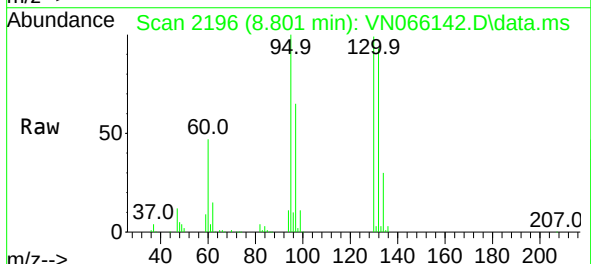
Instrument :
MSVOA_N
ClientSampleId :
TT-028-IDWGW-20210304

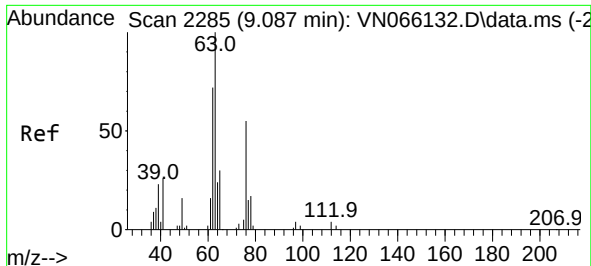
Tgt Ion:130 Resp: 338263
Ion Ratio Lower Upper
130 100
95 100.6 74.0 111.0



#38
Methylcyclohexane
Concen: 0.53 ug/l
RT: 8.801 min Scan# 2196
Delta R.T. -0.251 min
Lab File: VN066142.D
Acq: 5 Mar 2021 18:27

Tgt Ion: 83 Resp: 1790
Ion Ratio Lower Upper
83 100
55 0.0 37.2 111.6#
98 471.0 23.8 71.4#





#39

1,2-Dichloropropane

Concen: 5.07 ug/l

RT: 9.090 min Scan# 2286

Delta R.T. 0.003 min

Lab File: VN066142.D

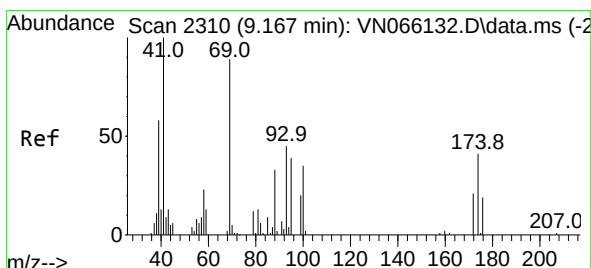
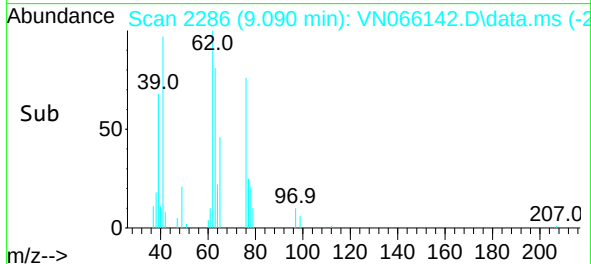
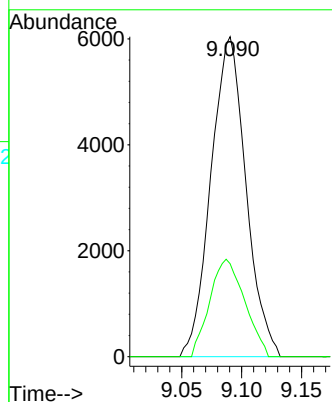
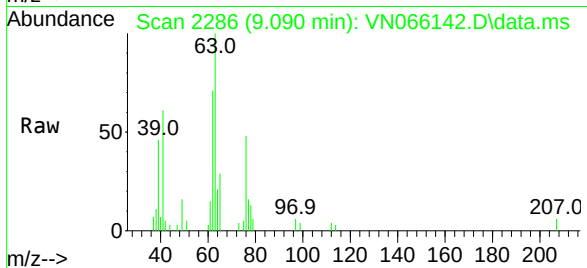
Acq: 5 Mar 2021 18:27

Tgt Ion: 63 Resp: 12273

Ion Ratio Lower Upper

63 100

65 29.1 24.1 36.1



#46

Methyl methacrylate

Concen: 3.30 ug/l

RT: 9.087 min Scan# 2285

Delta R.T. -0.080 min

Lab File: VN066142.D

Acq: 5 Mar 2021 18:27

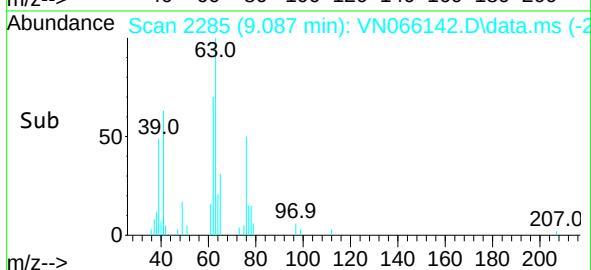
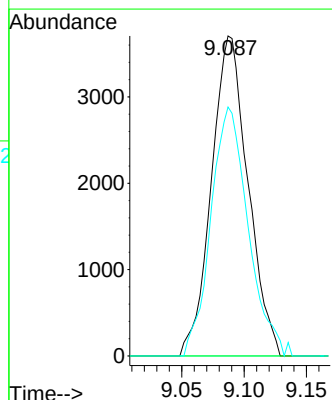
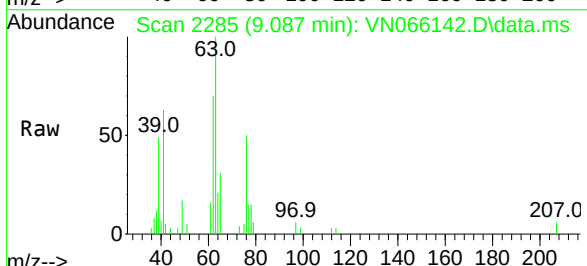
Tgt Ion: 41 Resp: 7557

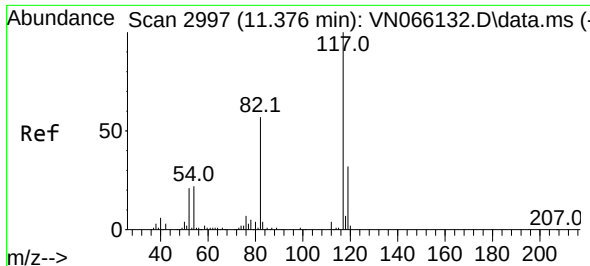
Ion Ratio Lower Upper

41 100

69 0.0 46.3 138.8#

39 77.8 26.8 80.3

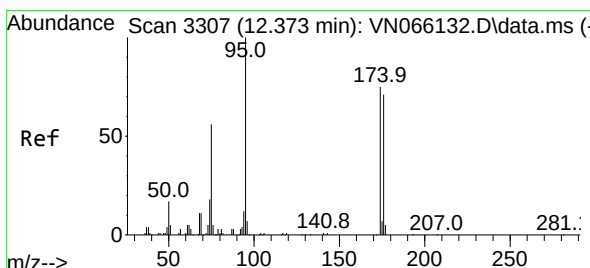
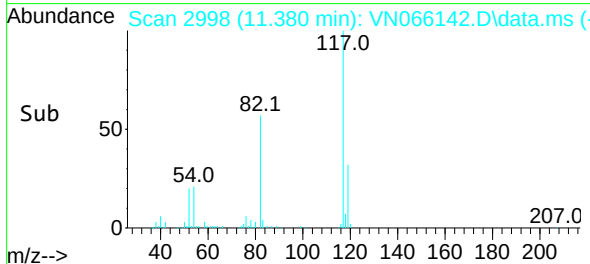
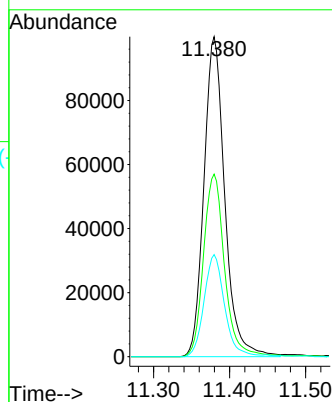
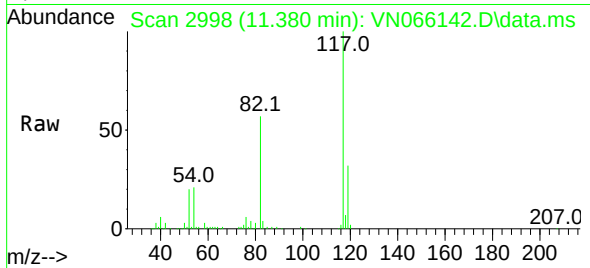




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.003 min
Lab File: VN066142.D
Acq: 5 Mar 2021 18:27

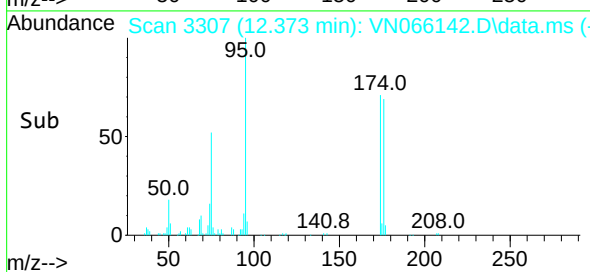
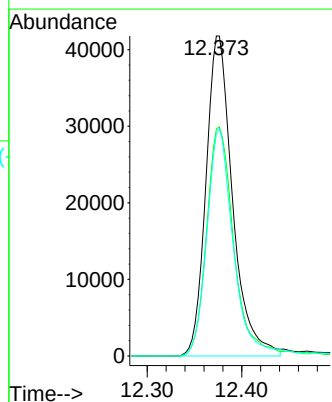
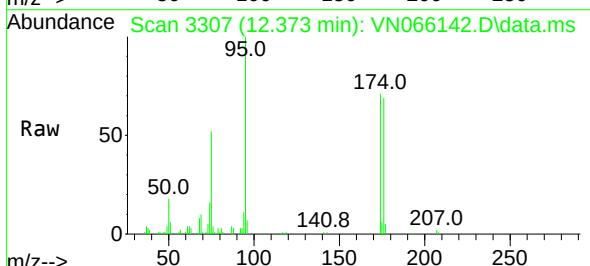
Instrument :
MSVOA_N
ClientSampleId :
TT-028-IDW/GW-20210304

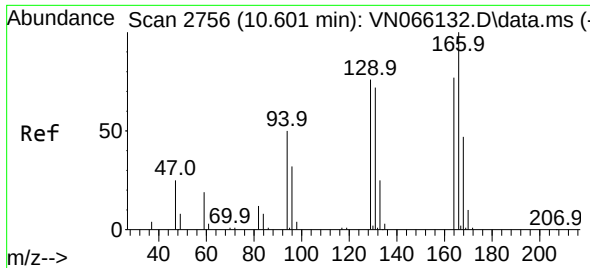
Tgt Ion:117 Resp: 190171
Ion Ratio Lower Upper
117 100
82 57.7 41.3 61.9
119 31.3 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 24.83 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN066142.D
Acq: 5 Mar 2021 18:27

Tgt Ion: 95 Resp: 81767
Ion Ratio Lower Upper
95 100
174 72.7 77.0 115.6#
176 70.1 75.8 113.6#

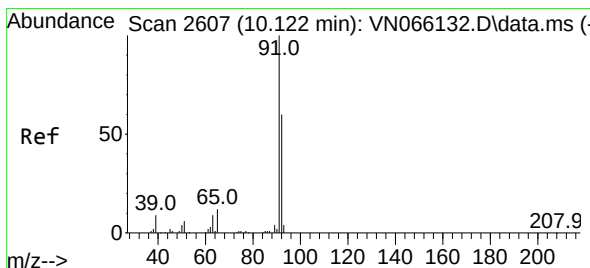
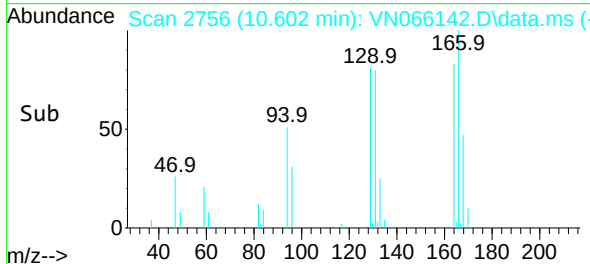
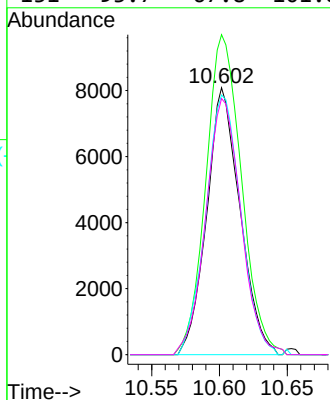
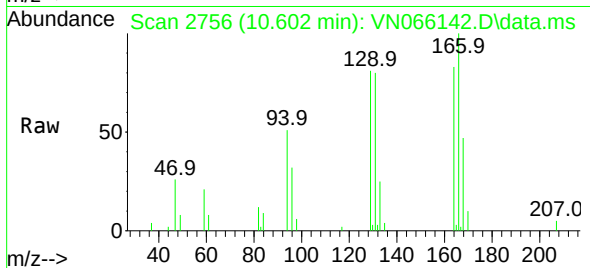




#61
Tetrachloroethene
Concen: 5.65 ug/l
RT: 10.602 min Scan# 2756
Delta R.T. 0.000 min
Lab File: VN066142.D
Acq: 5 Mar 2021 18:27

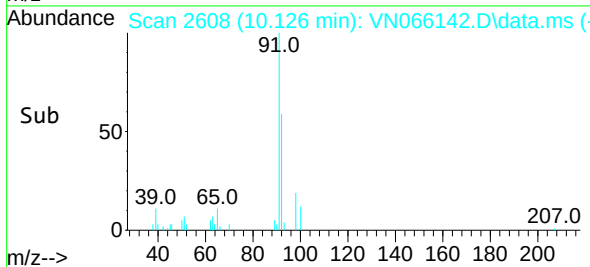
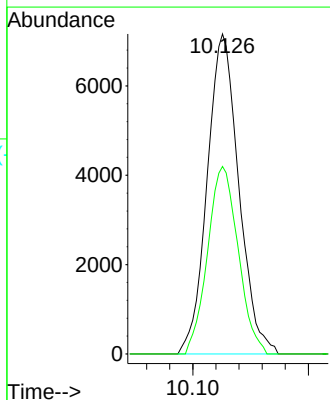
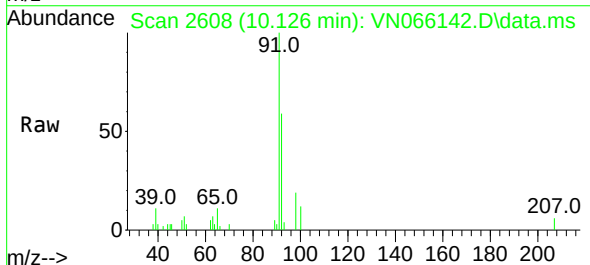
Instrument :
MSVOA_N
ClientSampleId :
TT-028-IDW/GW-20210304

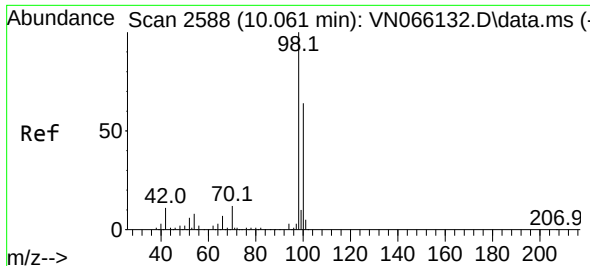
Tgt Ion:164 Resp: 13825
Ion Ratio Lower Upper
164 100
166 117.9 101.2 151.8
129 97.3 69.7 104.5
131 93.7 67.8 101.8



#62
Toluene
Concen: 1.39 ug/l
RT: 10.126 min Scan# 2608
Delta R.T. 0.003 min
Lab File: VN066142.D
Acq: 5 Mar 2021 18:27

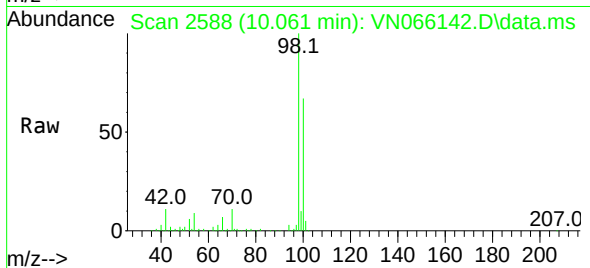
Tgt Ion: 91 Resp: 13608
Ion Ratio Lower Upper
91 100
92 56.7 46.2 69.4



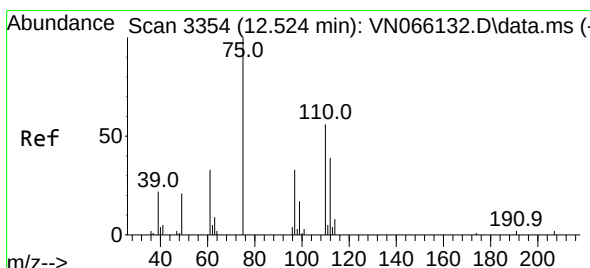
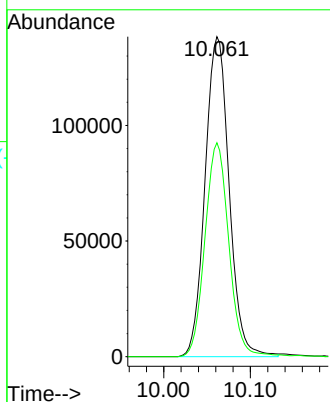
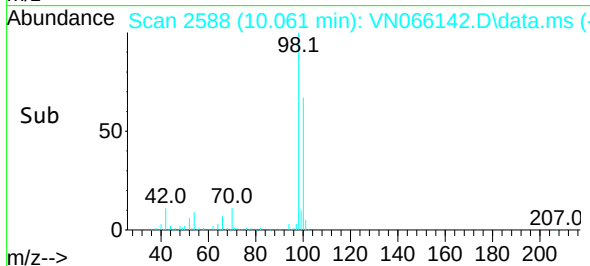


#63
Toluene-d8
Concen: 31.18 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.000 min
Lab File: VN066142.D
Acq: 5 Mar 2021 18:27

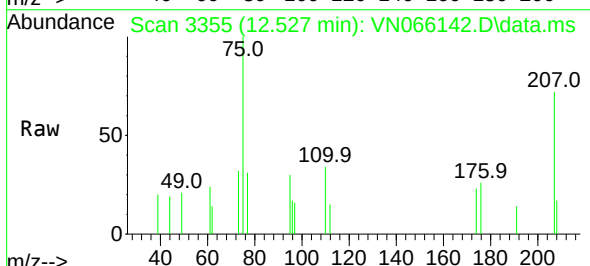
Instrument :
MSVOA_N
ClientSampleId :
TT-028-IDWGW-20210304



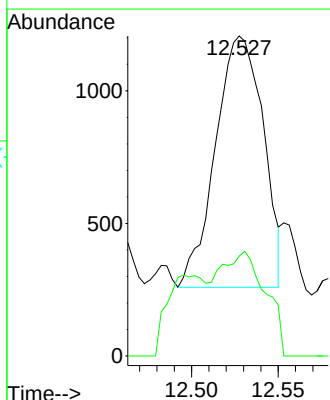
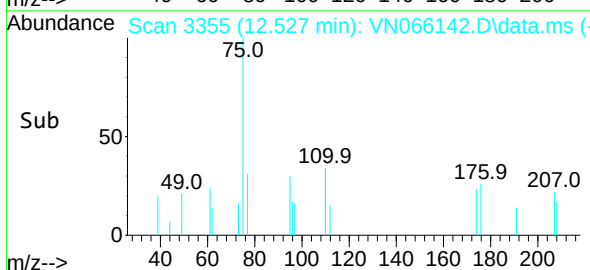
Tgt Ion: 98 Resp: 267265
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9

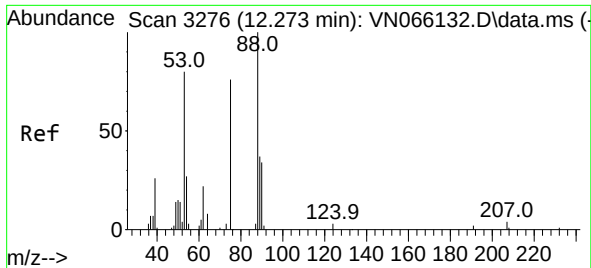


#72
1,2,3-Trichloropropane
Concen: 0.59 ug/l
RT: 12.527 min Scan# 3355
Delta R.T. 0.003 min
Lab File: VN066142.D
Acq: 5 Mar 2021 18:27



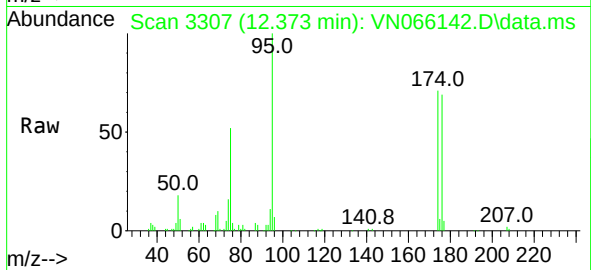
Tgt Ion: 75 Resp: 1816
Ion Ratio Lower Upper
75 100
77 2.9 0.0 366.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 40.07 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. 0.100 min
 Lab File: VN066142.D
 Acq: 5 Mar 2021 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-028-IDWGW-20210304



Tgt Ion: 75 Resp: 43197
 Ion Ratio Lower Upper
 75 100
 53 0.0 44.9 134.5#
 89 0.0 21.3 64.0#

