

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072221\
 Data File : VN067863.D
 Acq On : 22 Jul 2021 15:27
 Operator : JC/MD
 Sample : M3120-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 24 07:13:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 Response via : Initial Calibration

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

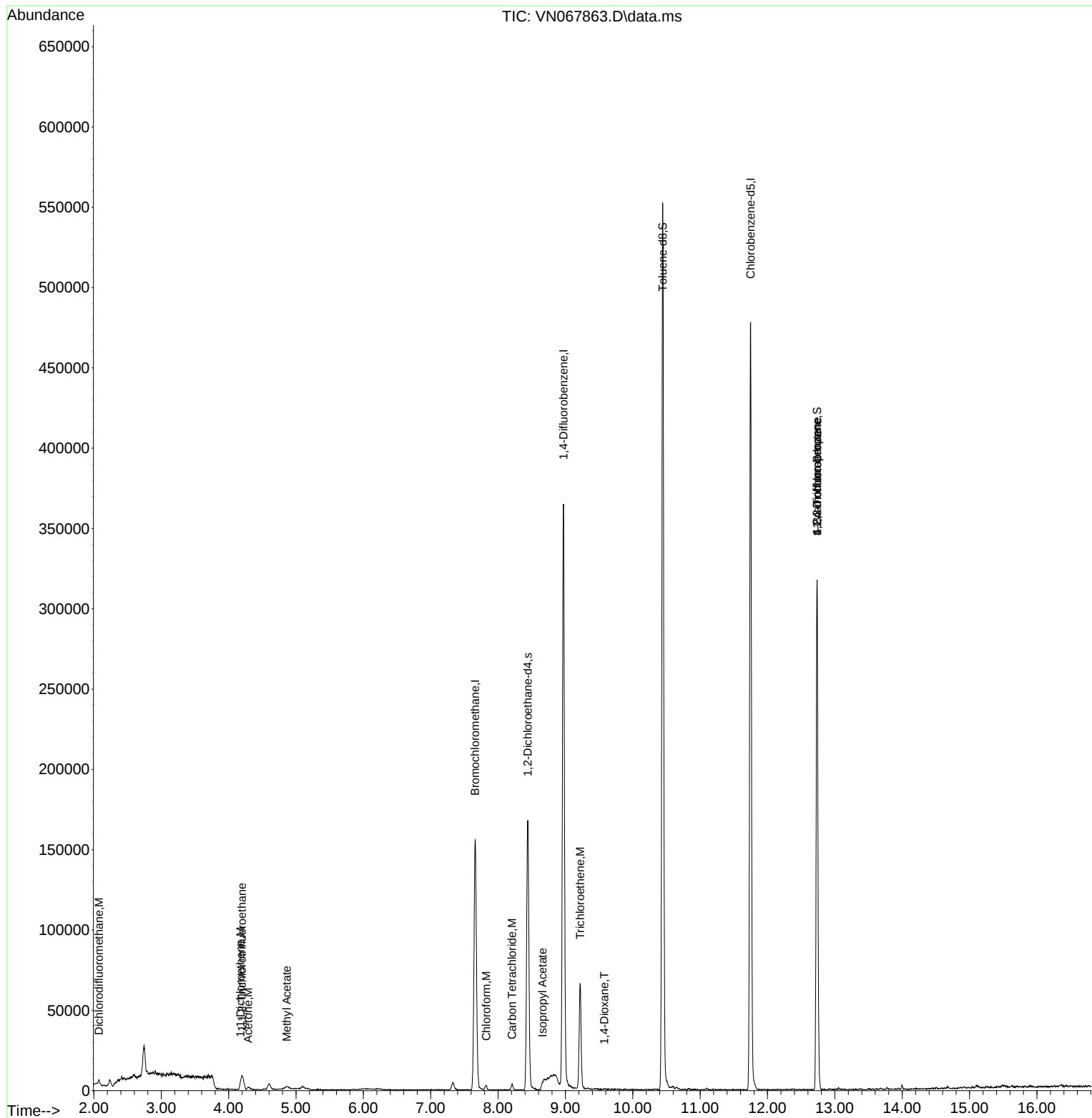
Internal Standards						
1) Bromochloromethane	7.659	128	56446	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	315082	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	280828	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	147342	32.310	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.700%
60) 4-Bromofluorobenzene	12.736	95	111889	24.533	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.767%
63) Toluene-d8	10.443	98	391944	30.344	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.133%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	2503	0.868	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.197	101	914	0.309	ug/l #	1
10) 1,1-Dichloroethene	4.175	96	897	0.328	ug/l #	39
12) Methyl Acetate	4.862	43	1061	0.284	ug/l #	85
15) Acetone	4.288	58	280	0.687	ug/l #	1
25) Chloroform	7.823	83	1527	0.219	ug/l	91
33) Carbon Tetrachloride	8.206	117	2176	0.420	ug/l #	75
37) Trichloroethene	9.220	130	22064	5.747	ug/l	92
44) Isopropyl Acetate	8.659	43	2220	0.264	ug/l #	50
45) 1,4-Dioxane	9.577	88	134	2.106	ug/l #	1
72) 1,2,3-Trichloropropane	12.736	75	63826	15.226	ug/l	1
77) t-1,4-Dichloro-2-butene	12.736	75	63826	45.116	ug/l #	4

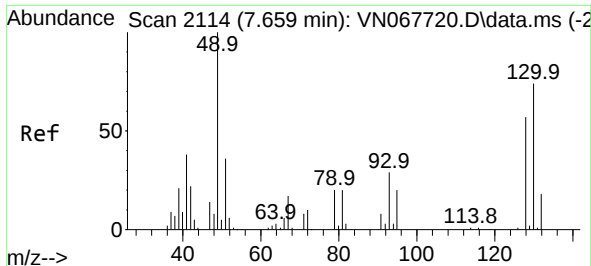
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :

Quant Time: Jul 24 07:13:37 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 14 01:19:19 2021
Response via : Initial Calibration

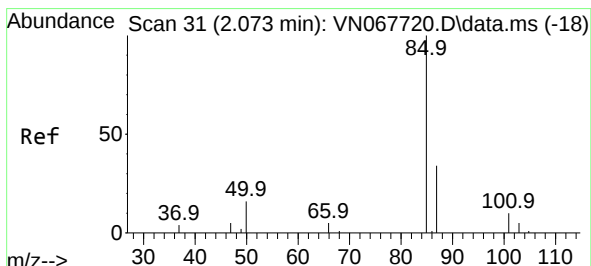
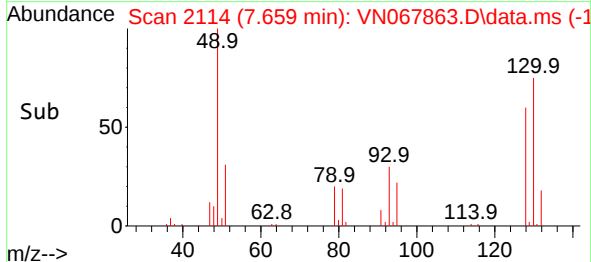
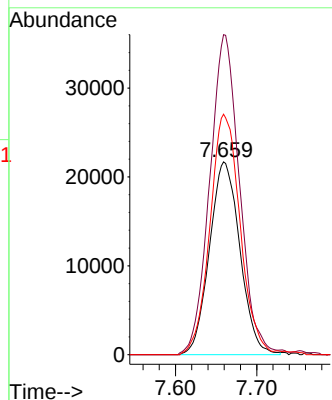
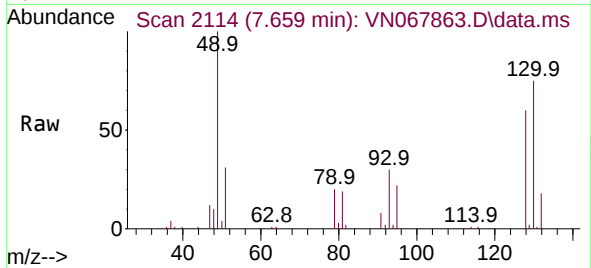




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VN067863.D
Acq: 22 Jul 2021 15:27

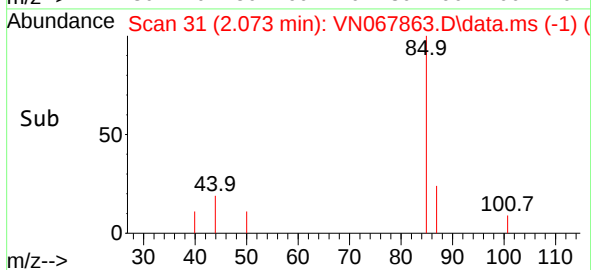
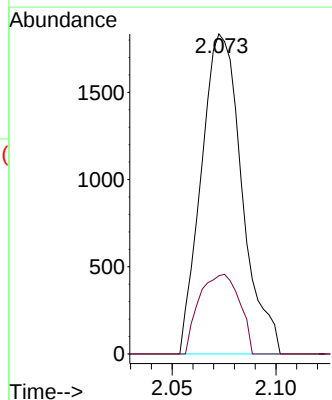
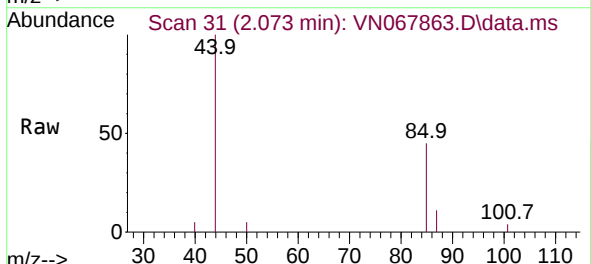
Instrument :
MSVOA_N
ClientSampleId :

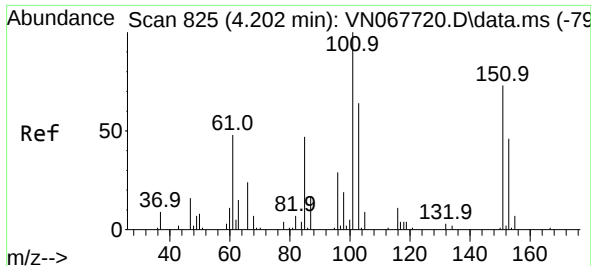
Tgt Ion:128 Resp: 56446
Ion Ratio Lower Upper
128 100
49 161.9 0.0 433.0
130 123.5 0.0 323.8



#2
Dichlorodifluoromethane
Concen: 0.868 ug/l
RT: 2.073 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN067863.D
Acq: 22 Jul 2021 15:27

Tgt Ion: 85 Resp: 2503
Ion Ratio Lower Upper
85 100
87 24.5 17.0 50.9

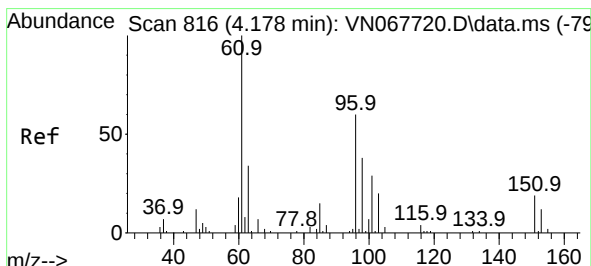
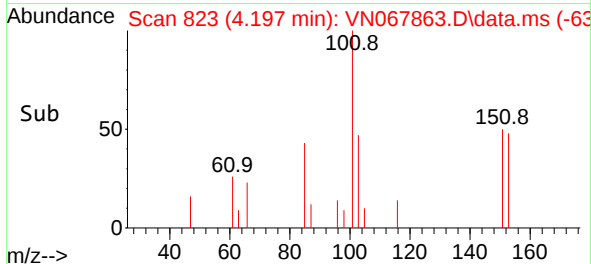
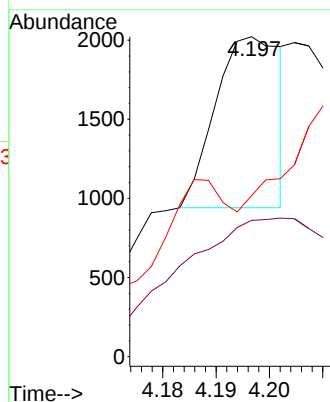
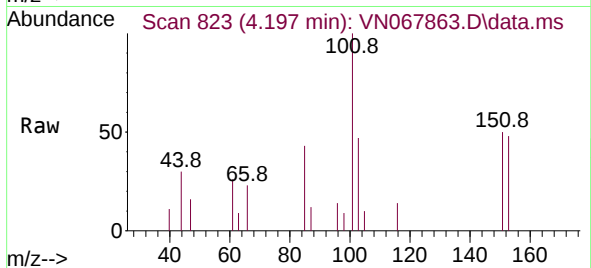




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.309 ug/l
RT: 4.197 min Scan# 823
Delta R.T. -0.006 min
Lab File: VN067863.D
Acq: 22 Jul 2021 15:27

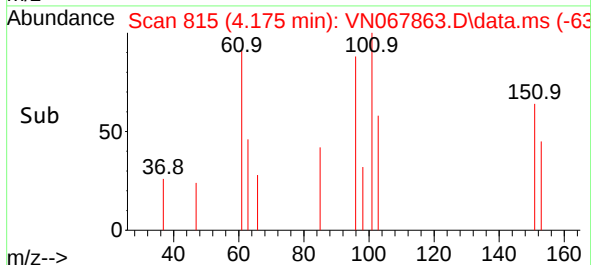
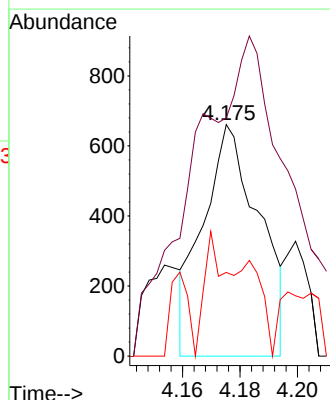
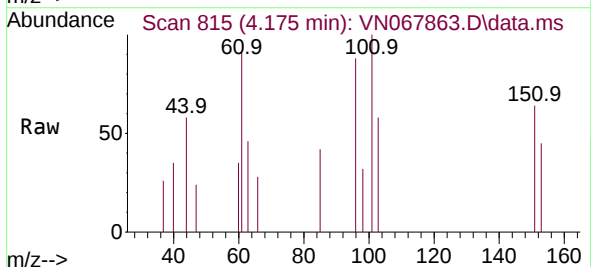
Instrument :
MSVOA_N
ClientSampled :

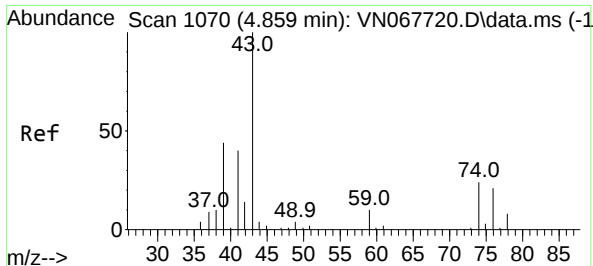
Tgt Ion:101 Resp: 914
Ion Ratio Lower Upper
101 100
85 174.0 0.0 98.0#
151 151.9 0.0 143.8#



#10
1,1-Dichloroethene
Concen: 0.328 ug/l
RT: 4.175 min Scan# 815
Delta R.T. -0.003 min
Lab File: VN067863.D
Acq: 22 Jul 2021 15:27

Tgt Ion: 96 Resp: 897
Ion Ratio Lower Upper
96 100
61 82.9 133.9 200.9#
98 18.8 50.5 75.7#





#12

Methyl Acetate

Concen: 0.284 ug/l

RT: 4.862 min Scan# 1071

Delta R.T. 0.002 min

Lab File: VN067863.D

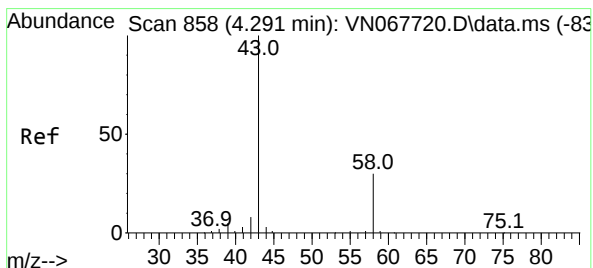
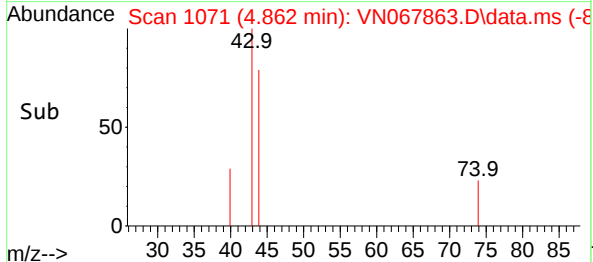
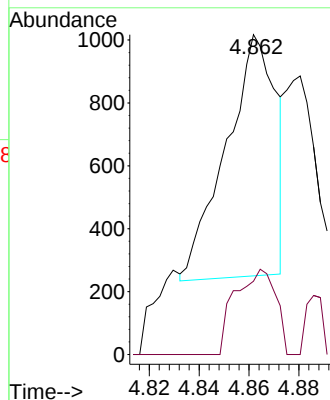
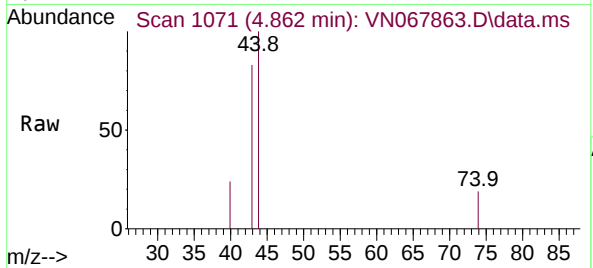
Acq: 22 Jul 2021 15:27

Tgt Ion: 43 Resp: 1061

Ion Ratio Lower Upper

43 100

74 32.4 19.8 29.6#



#15

Acetone

Concen: 0.687 ug/l

RT: 4.288 min Scan# 857

Delta R.T. -0.003 min

Lab File: VN067863.D

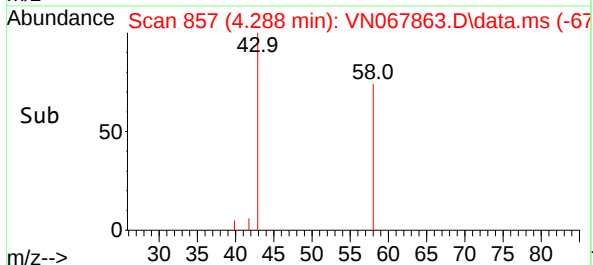
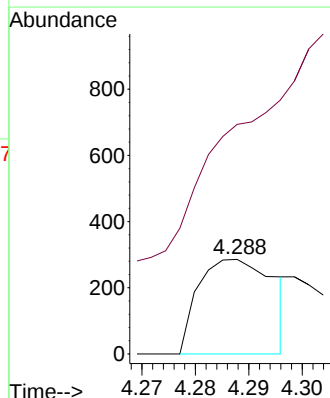
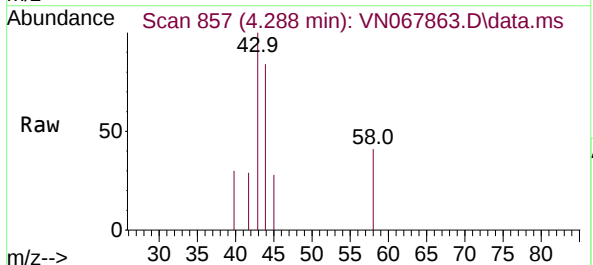
Acq: 22 Jul 2021 15:27

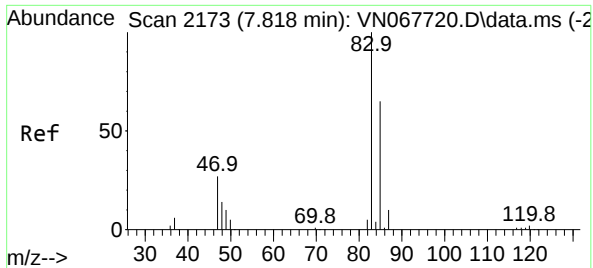
Tgt Ion: 58 Resp: 280

Ion Ratio Lower Upper

58 100

43 109.8 268.2 402.4#

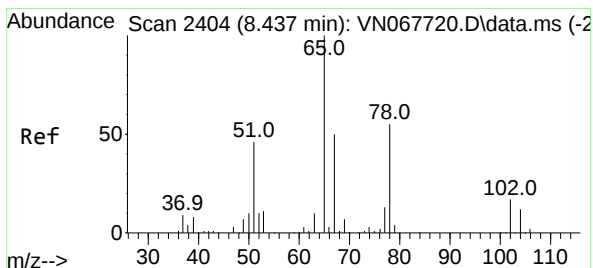
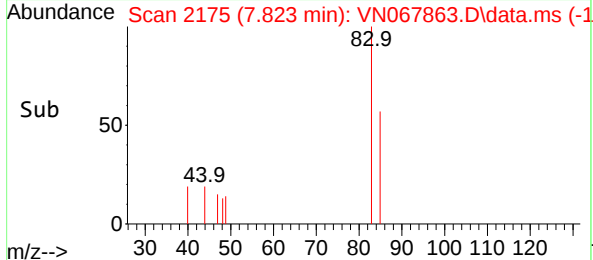
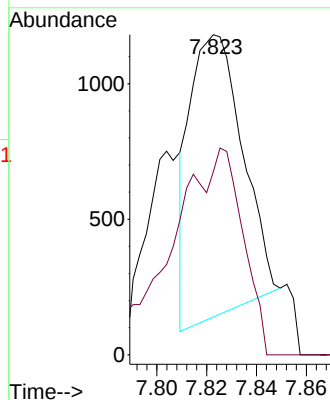
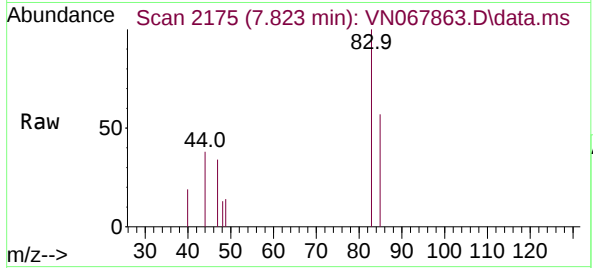




#25
Chloroform
Concen: 0.219 ug/l
RT: 7.823 min Scan# 2175
Delta R.T. 0.005 min
Lab File: VN067863.D
Acq: 22 Jul 2021 15:27

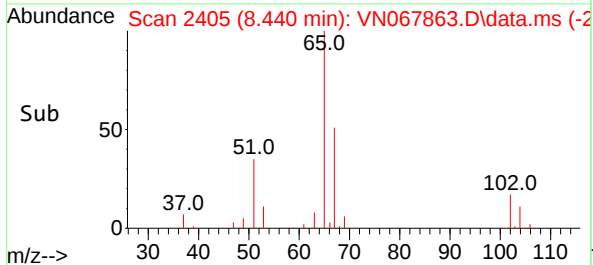
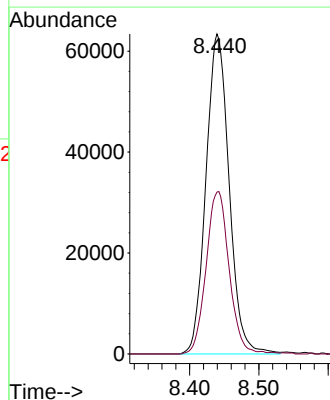
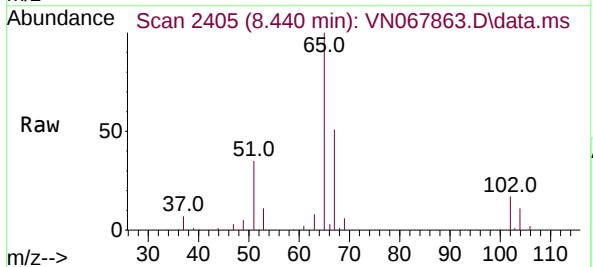
Instrument :
MSVOA_N
ClientSampled :

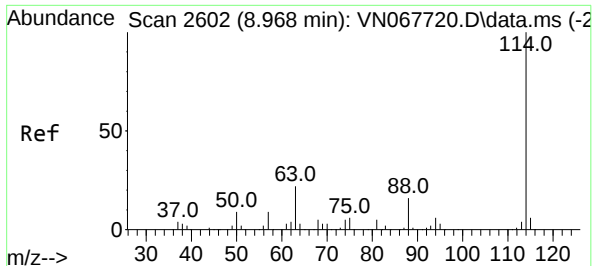
Tgt Ion: 83 Resp: 1527
Ion Ratio Lower Upper
83 100
85 72.2 52.3 78.5



#27
1,2-Dichloroethane-d4
Concen: 32.310 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.002 min
Lab File: VN067863.D
Acq: 22 Jul 2021 15:27

Tgt Ion: 65 Resp: 147342
Ion Ratio Lower Upper
65 100
67 50.1 40.6 60.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.002 min

Lab File: VN067863.D

Acq: 22 Jul 2021 15:27

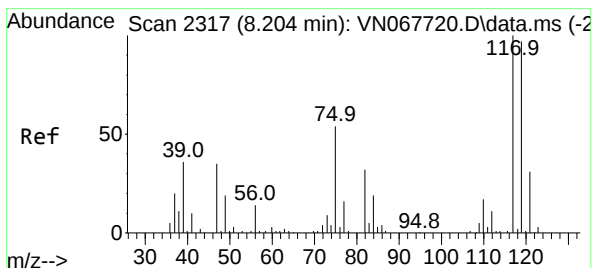
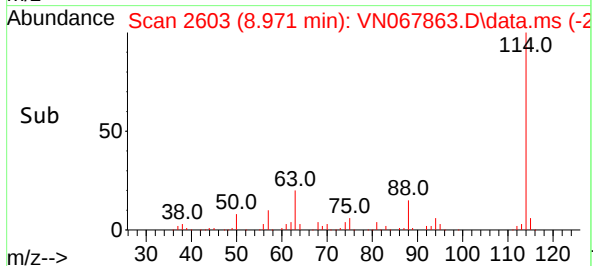
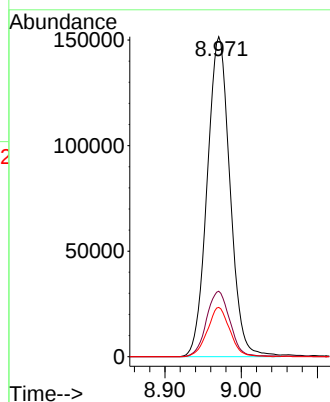
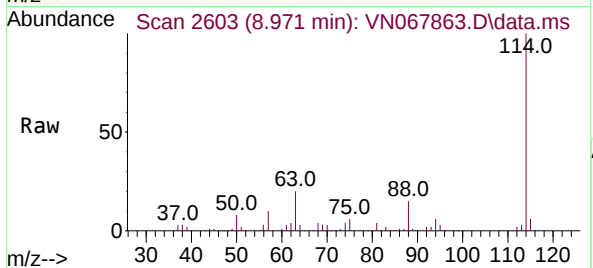
Tgt Ion:114 Resp: 315082

Ion Ratio Lower Upper

114 100

63 20.9 17.2 25.8

88 15.2 12.4 18.6



#33

Carbon Tetrachloride

Concen: 0.420 ug/l

RT: 8.206 min Scan# 2318

Delta R.T. 0.002 min

Lab File: VN067863.D

Acq: 22 Jul 2021 15:27

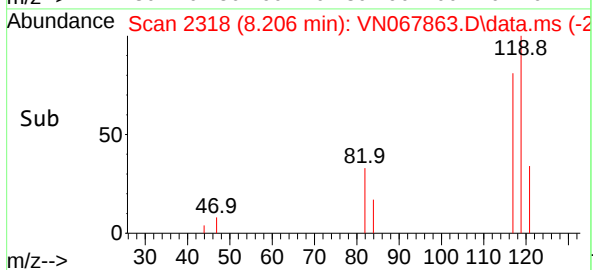
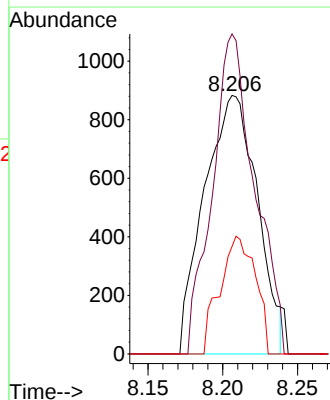
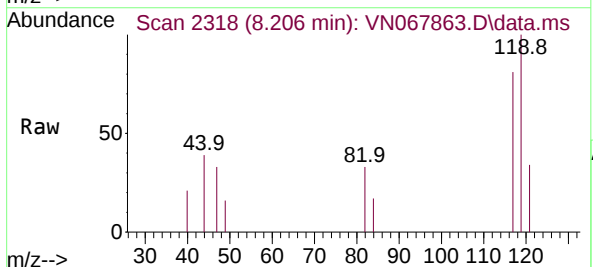
Tgt Ion:117 Resp: 2176

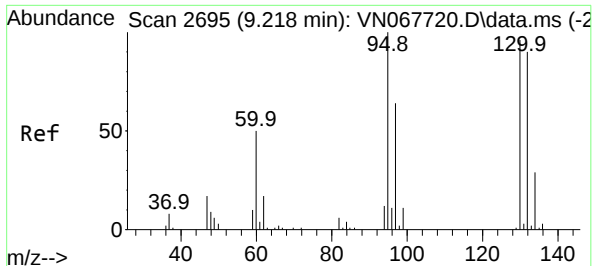
Ion Ratio Lower Upper

117 100

119 123.8 77.6 116.4#

121 41.6 24.6 36.8#





#37

Trichloroethene

Concen: 5.747 ug/l

RT: 9.220 min Scan# 2696

Delta R.T. 0.002 min

Lab File: VN067863.D

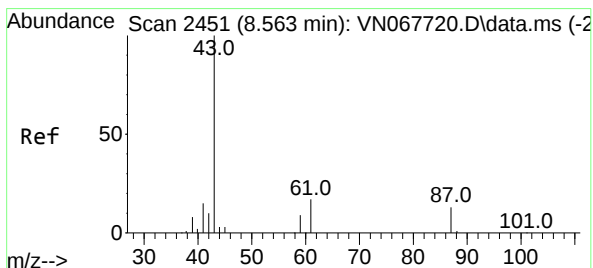
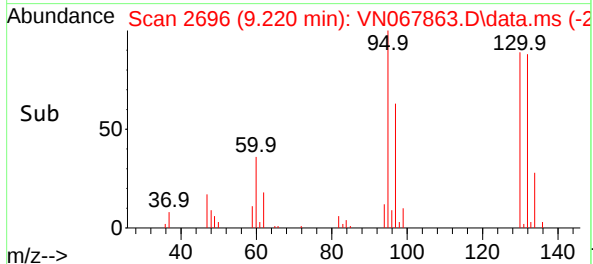
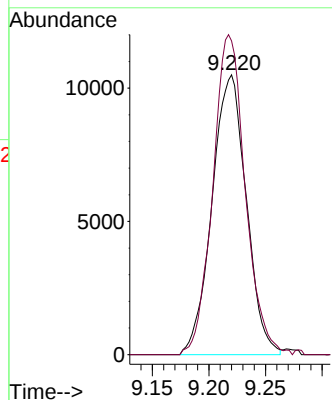
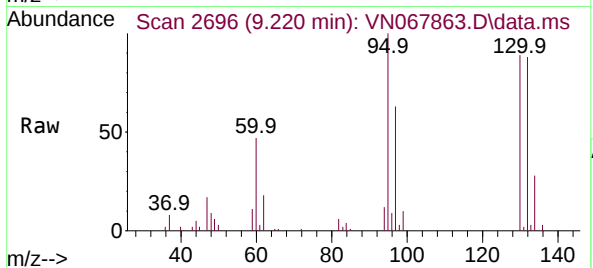
Acq: 22 Jul 2021 15:27

Tgt Ion:130 Resp: 22064

Ion Ratio Lower Upper

130 100

95 112.1 83.2 124.8



#44

Isopropyl Acetate

Concen: 0.264 ug/l

RT: 8.659 min Scan# 2487

Delta R.T. 0.096 min

Lab File: VN067863.D

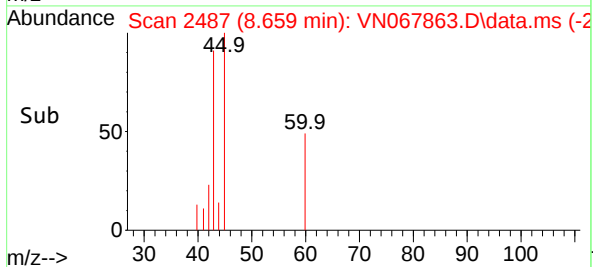
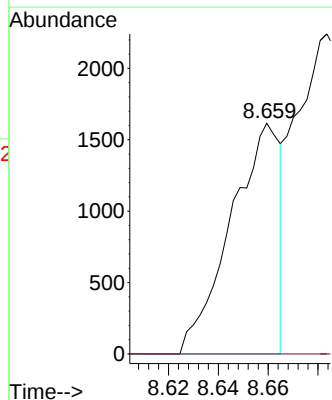
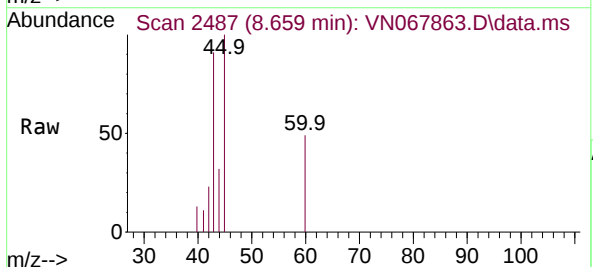
Acq: 22 Jul 2021 15:27

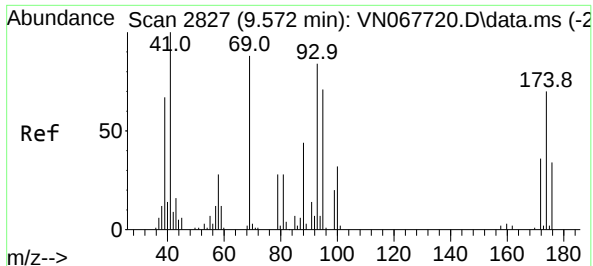
Tgt Ion: 43 Resp: 2220

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#





#45

1,4-Dioxane

Concen: 2.106 ug/l

RT: 9.577 min Scan# 2829

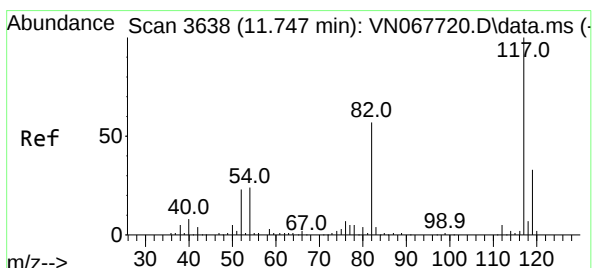
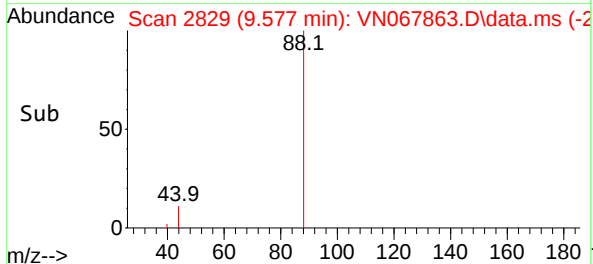
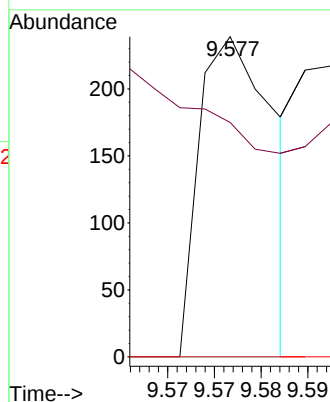
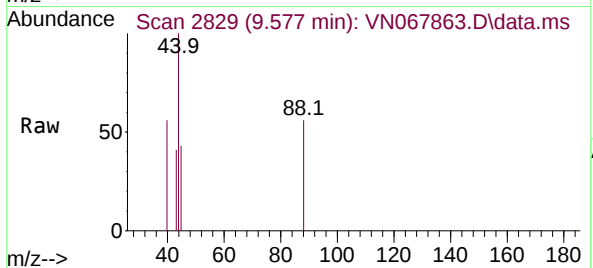
Delta R.T. 0.005 min

Lab File: VN067863.D

Acq: 22 Jul 2021 15:27

Tgt Ion: 88 Resp: 134

Ion	Ratio	Lower	Upper
88	100		
43	174.6	26.9	40.3#
58	0.0	52.2	78.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.749 min Scan# 3639

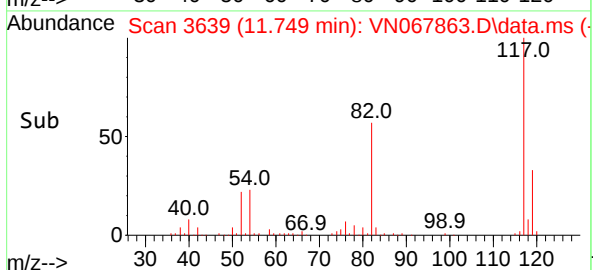
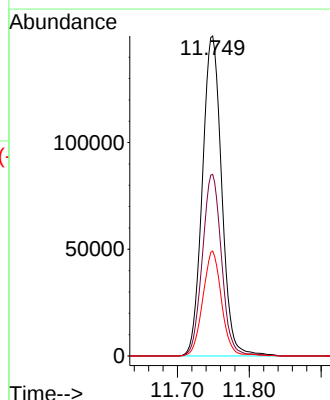
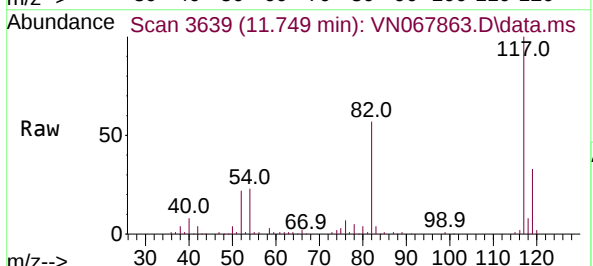
Delta R.T. 0.002 min

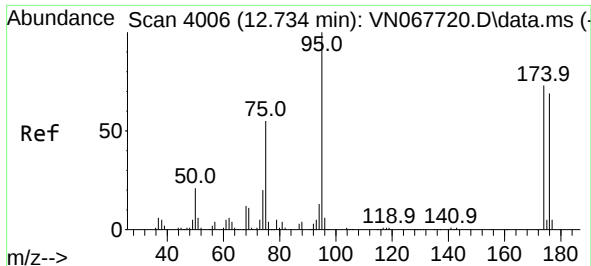
Lab File: VN067863.D

Acq: 22 Jul 2021 15:27

Tgt Ion: 117 Resp: 280828

Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.4	68.0
119	31.8	25.7	38.5

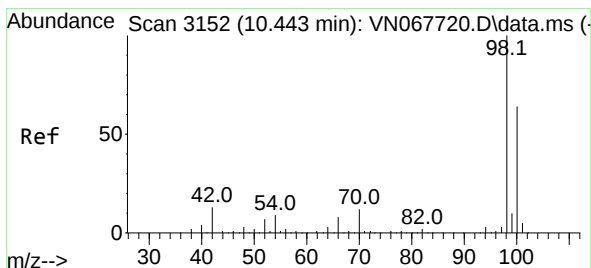
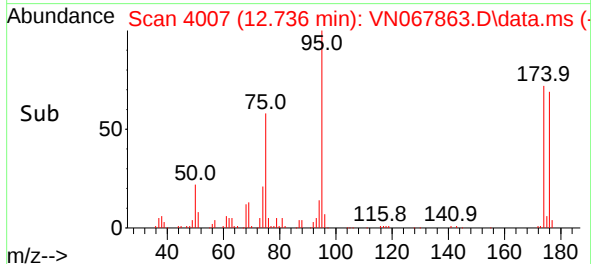
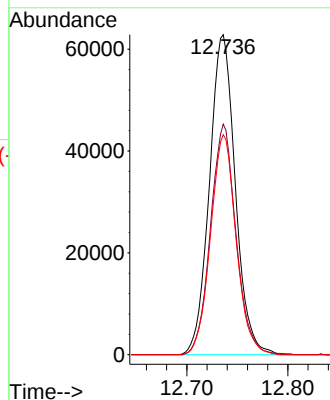
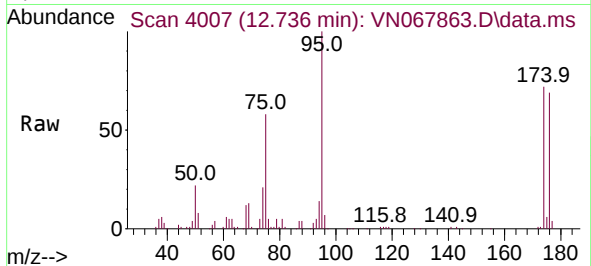




#60
4-Bromofluorobenzene
Concen: 24.533 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN067863.D
Acq: 22 Jul 2021 15:27

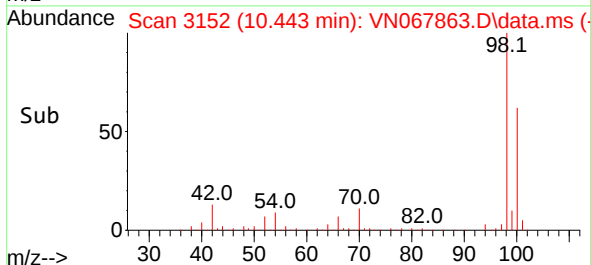
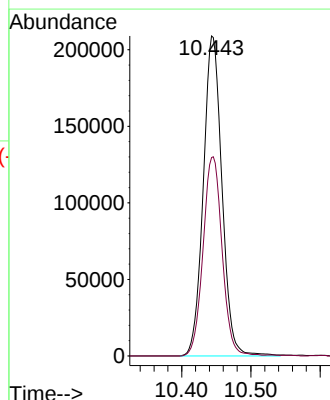
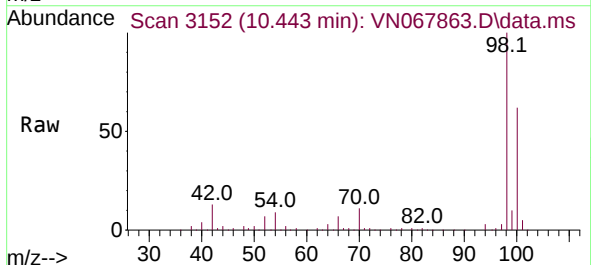
Instrument :
MSVOA_N
ClientSampleId :

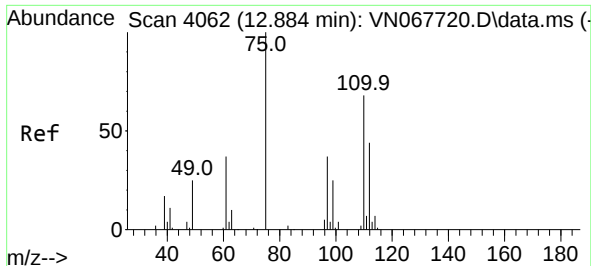
Tgt Ion: 95 Resp: 111889
Ion Ratio Lower Upper
95 100
174 71.1 57.1 85.7
176 67.8 54.6 81.8



#63
Toluene-d8
Concen: 30.344 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067863.D
Acq: 22 Jul 2021 15:27

Tgt Ion: 98 Resp: 391944
Ion Ratio Lower Upper
98 100
100 63.2 51.0 76.4

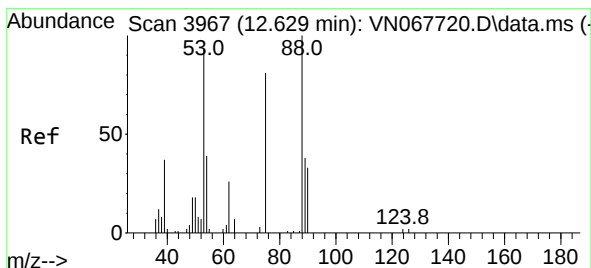
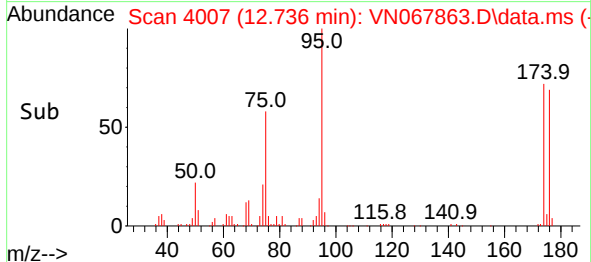
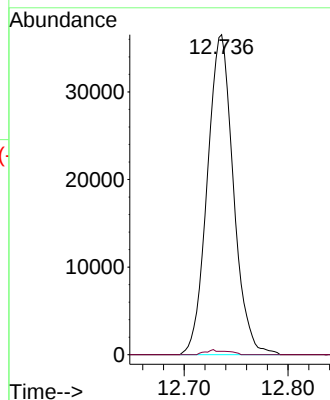
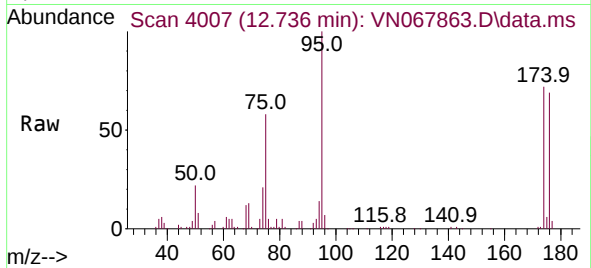




#72
1,2,3-Trichloropropane
Concen: 15.226 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN067863.D
Acq: 22 Jul 2021 15:27

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 63826
Ion Ratio Lower Upper
75 100
77 0.2 0.0 365.2



#77
t-1,4-Dichloro-2-butene
Concen: 45.116 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN067863.D
Acq: 22 Jul 2021 15:27

Tgt Ion: 75 Resp: 63826
Ion Ratio Lower Upper
75 100
53 0.0 57.0 171.0#
89 0.0 24.7 74.1#

