

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061121\
 Data File : VN067314.D
 Acq On : 12 Jun 2021 4:01
 Operator : JC/MD
 Sample : M2670-02 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: Jun 12 09:29:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N061121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 12 09:13:15 2021
 Response via : Initial Calibration

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

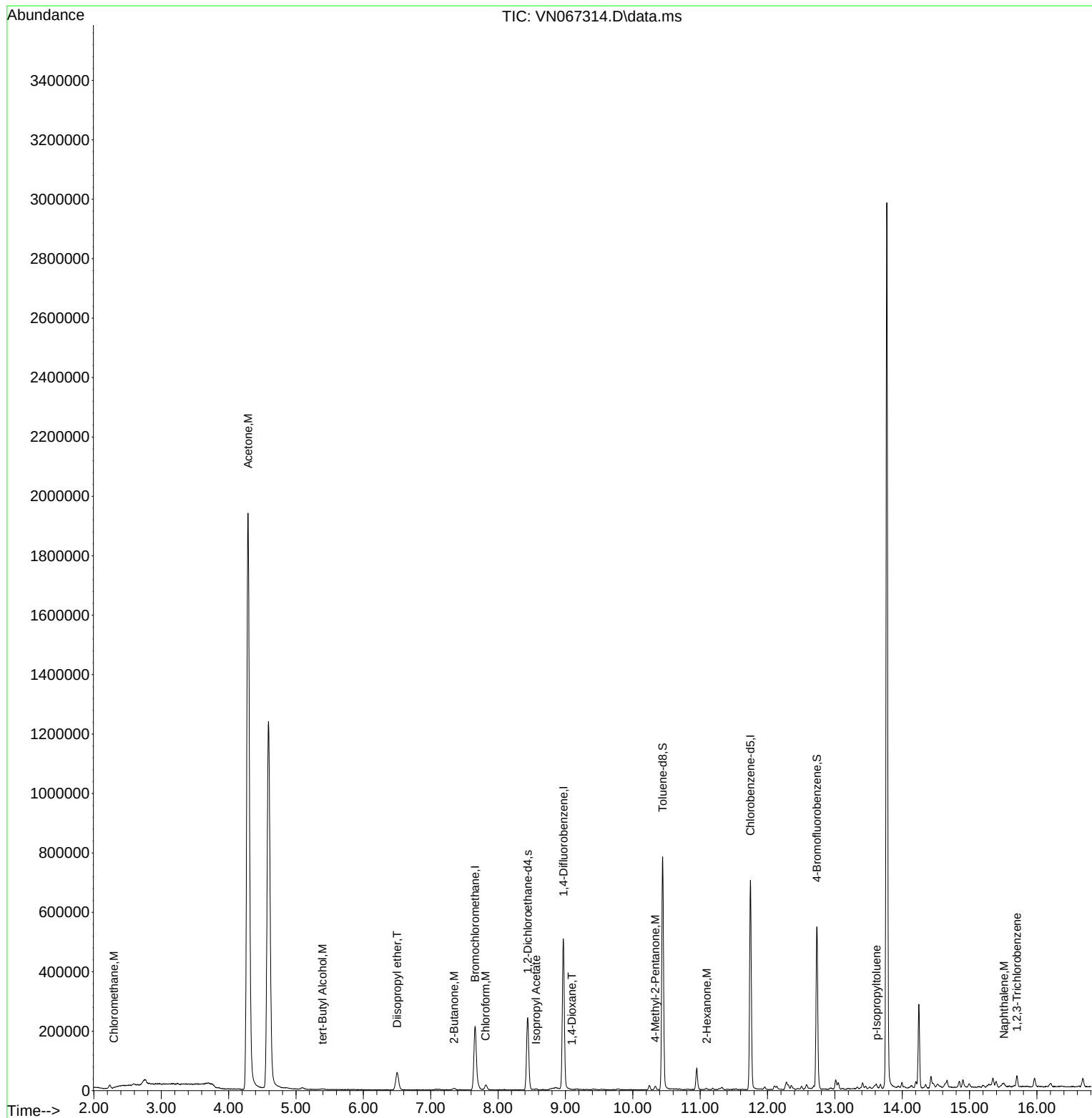
Internal Standards						
1) Bromochloromethane	7.659	128	67898	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	408121	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	370202	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	218455	30.616	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.067%	
60) 4-Bromofluorobenzene	12.734	95	203955	28.537	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 95.133%	
63) Toluene-d8	10.443	98	530953	30.073	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.233%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	1132	0.208	ug/l #	68
15) Acetone	4.288	58	991885	1548.192	ug/l	97
20) Diisopropyl ether	6.501	45	72739	4.189	ug/l	94
23) tert-Butyl Alcohol	5.393	59	347	0.306	ug/l #	100
25) Chloroform	7.815	83	7400	0.751	ug/l	97
30) 2-Butanone	7.348	43	6216	1.658	ug/l #	91
44) Isopropyl Acetate	8.566	43	3057	0.217	ug/l #	75
45) 1,4-Dioxane	9.094	88	66	0.719	ug/l #	1
58) 4-Methyl-2-Pentanone	10.333	43	8006	0.984	ug/l	92
59) 2-Hexanone	11.098	43	3284	0.558	ug/l #	70
82) p-Isopropyltoluene	13.619	119	5860	0.329	ug/l	92
91) Naphthalene	15.512	128	6719	0.461	ug/l #	93
92) 1,2,3-Trichlorobenzene	15.702	180	1169	0.277	ug/l	40

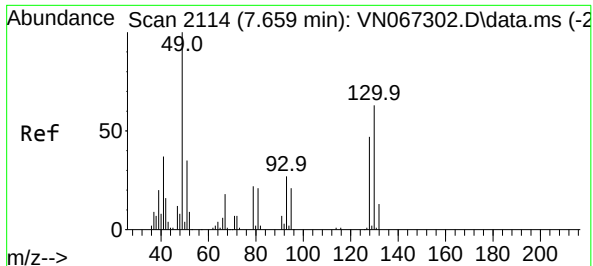
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061121\
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Quant Time: Jun 12 09:29:57 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N061121W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 12 09:13:15 2021
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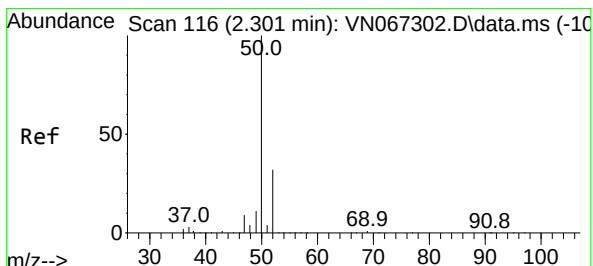
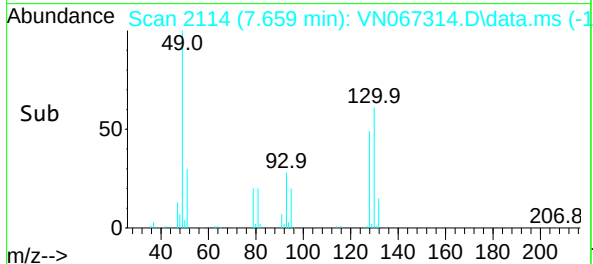
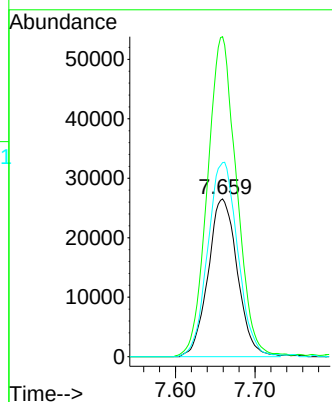
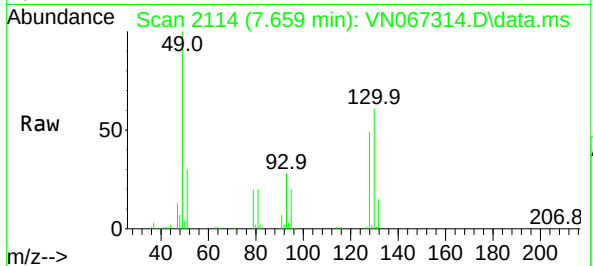




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01

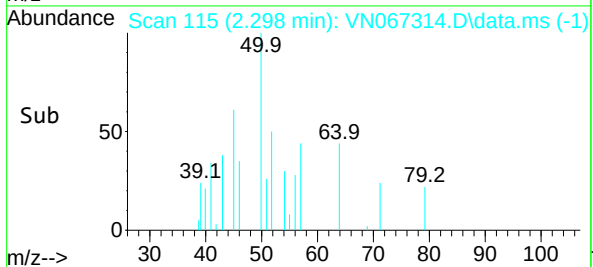
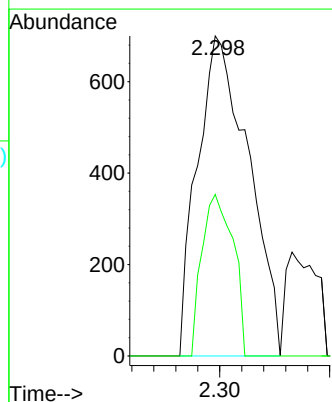
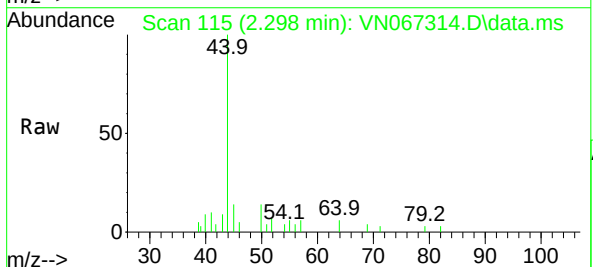
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

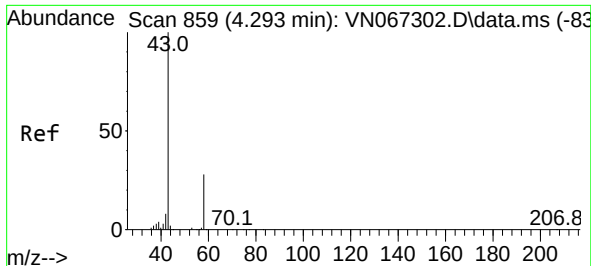
Tgt Ion:128 Resp: 67898
Ion Ratio Lower Upper
128 100
49 200.9 0.0 517.5
130 126.1 0.0 325.8



#3
Chloromethane
Concen: 0.208 ug/l
RT: 2.298 min Scan# 115
Delta R.T. -0.003 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01

Tgt Ion: 50 Resp: 1132
Ion Ratio Lower Upper
50 100
52 50.4 26.0 39.0#

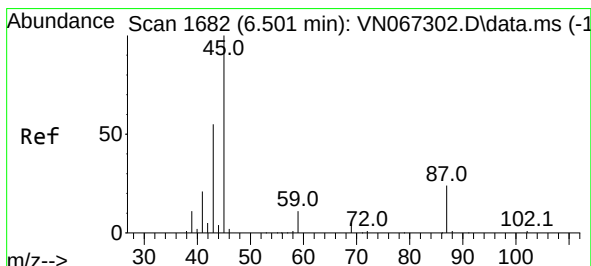
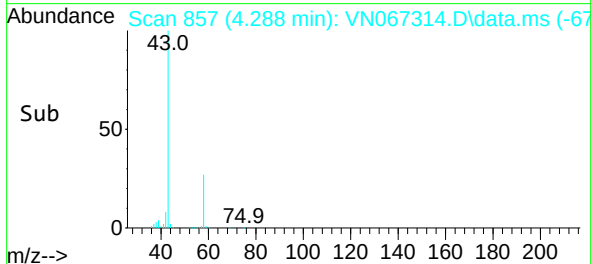
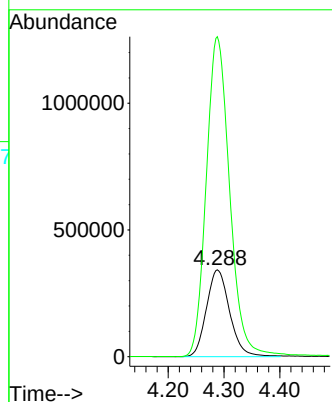
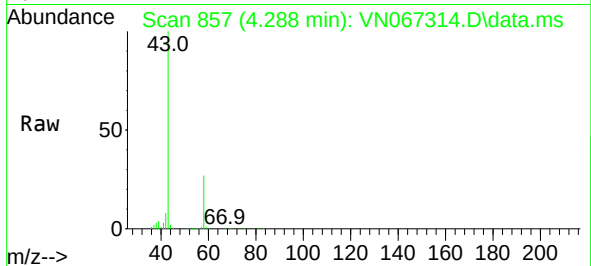




#15
Acetone
Concen: 1548.192 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.005 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01

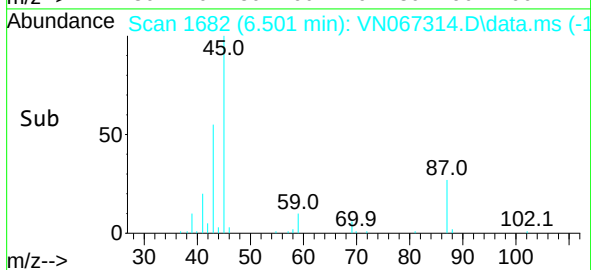
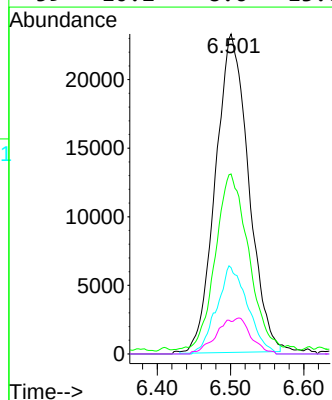
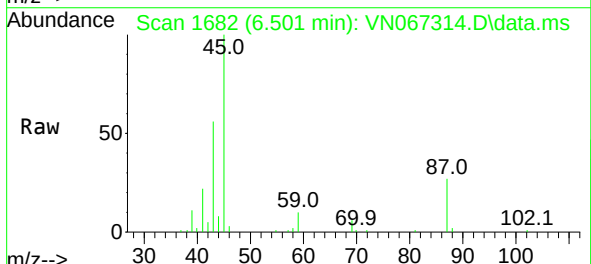
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

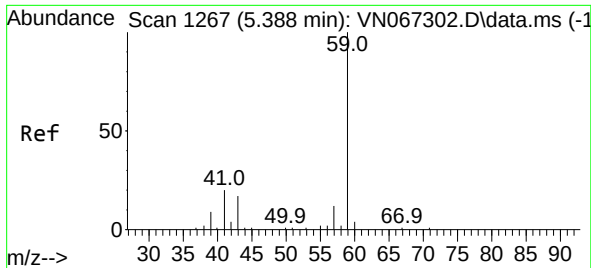
Tgt Ion: 58 Resp: 991885
Ion Ratio Lower Upper
58 100
43 368.3 289.6 434.4



#20
Diisopropyl ether
Concen: 4.189 ug/l
RT: 6.501 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01

Tgt Ion: 45 Resp: 72739
Ion Ratio Lower Upper
45 100
43 55.0 48.1 72.1
87 27.1 19.8 29.6
59 10.2 8.6 13.0



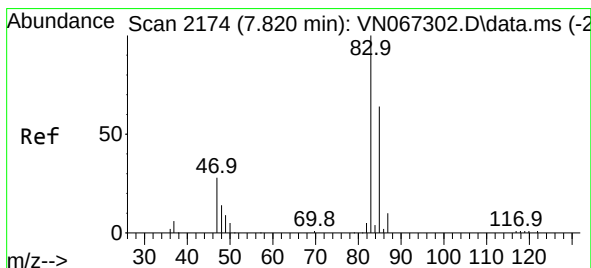
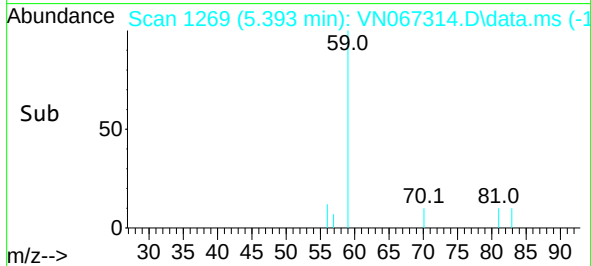
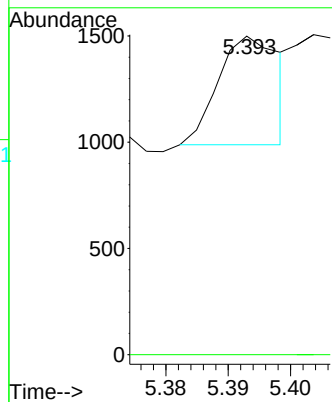
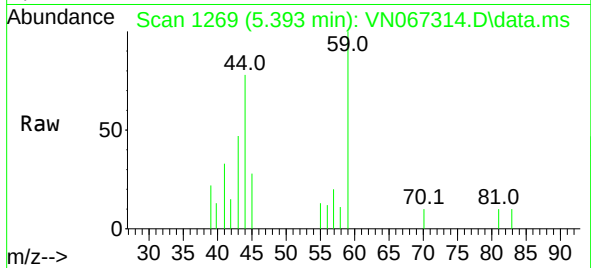


#23

tert-Butyl Alcohol
Concen: 0.306 ug/l
RT: 5.393 min Scan# 1269
Delta R.T. 0.005 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

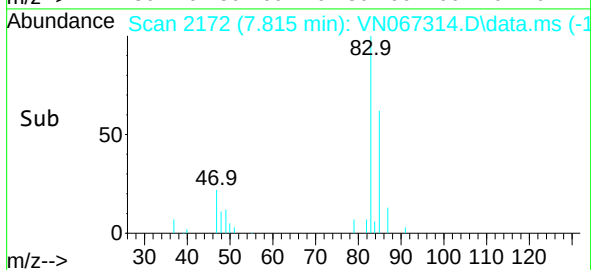
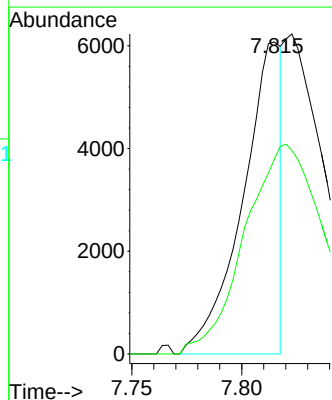
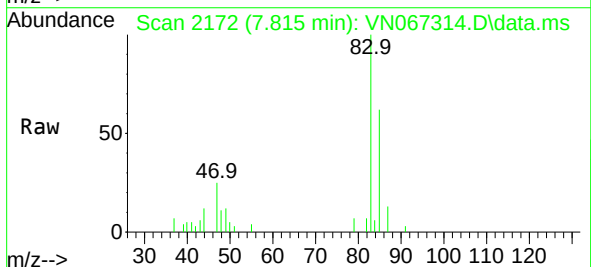
Tgt Ion: 59 Resp: 347
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#

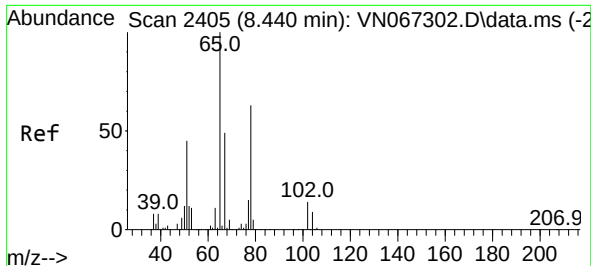


#25

Chloroform
Concen: 0.751 ug/l
RT: 7.815 min Scan# 2172
Delta R.T. -0.005 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01

Tgt Ion: 83 Resp: 7400
Ion Ratio Lower Upper
83 100
85 62.4 51.5 77.3



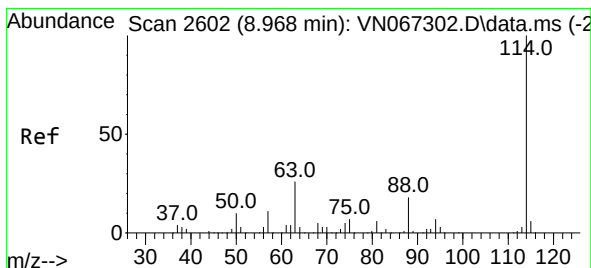
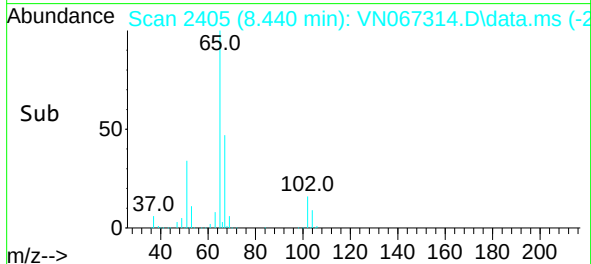
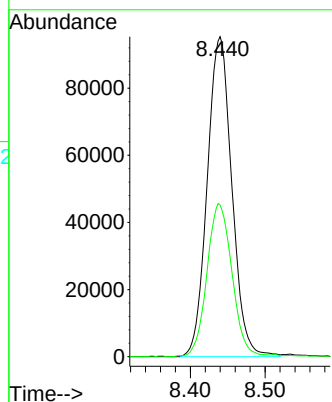
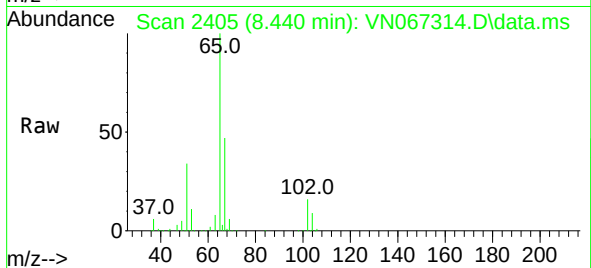


#27

1,2-Dichloroethane-d4
Concen: 30.616 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

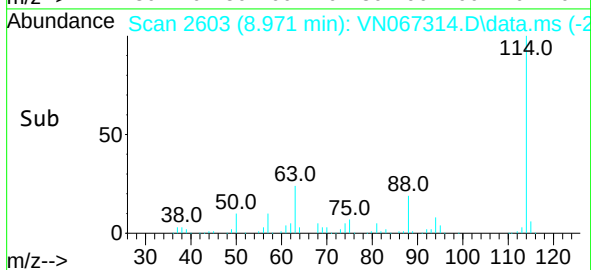
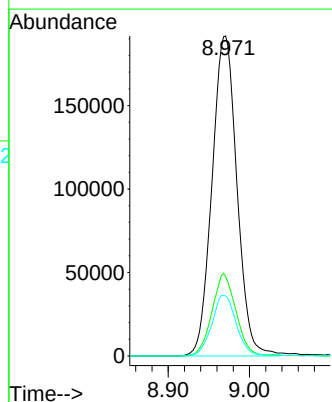
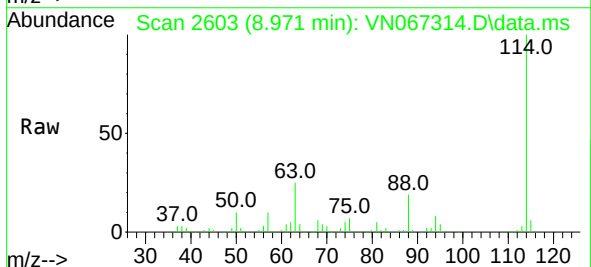
Tgt Ion: 65 Resp: 218455
Ion Ratio Lower Upper
65 100
67 48.4 39.8 59.8

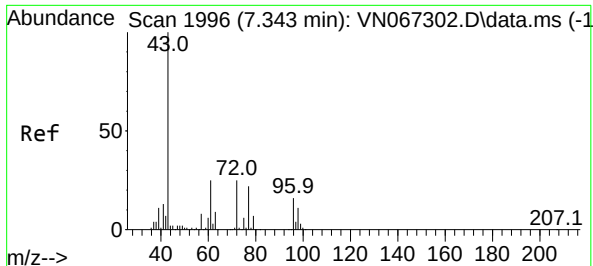


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01

Tgt Ion: 114 Resp: 408121
Ion Ratio Lower Upper
114 100
63 24.7 20.3 30.5
88 18.6 14.6 22.0

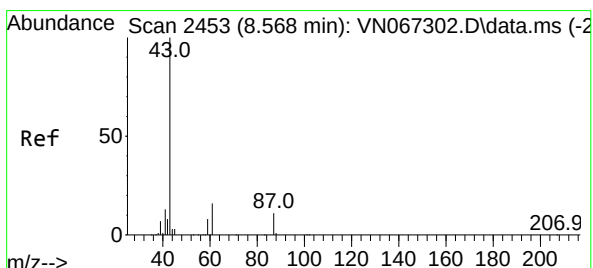
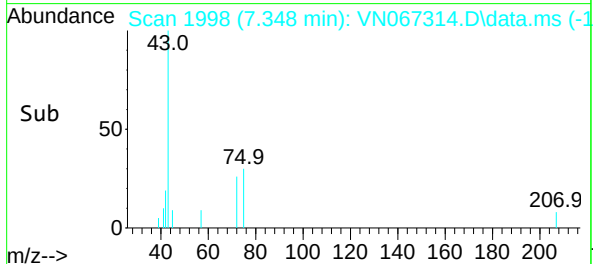
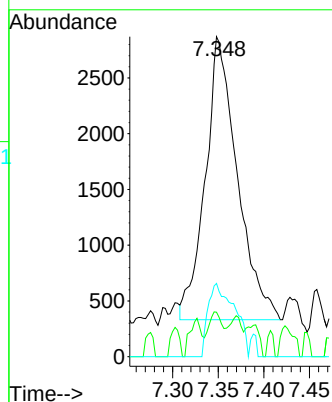
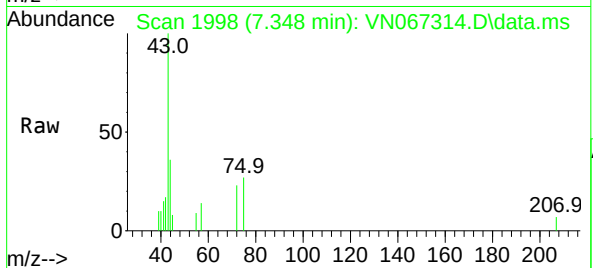




#30
2-Butanone
Concen: 1.658 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.005 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01

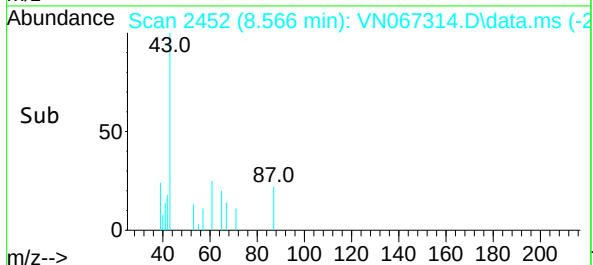
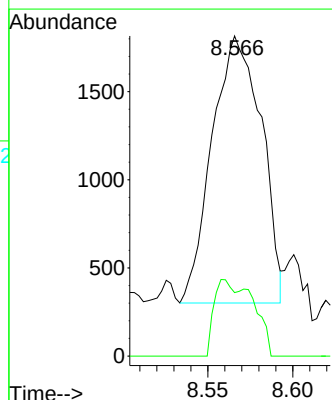
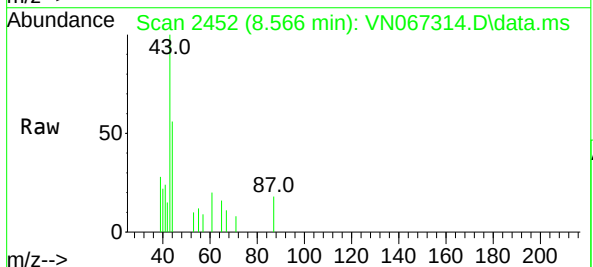
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

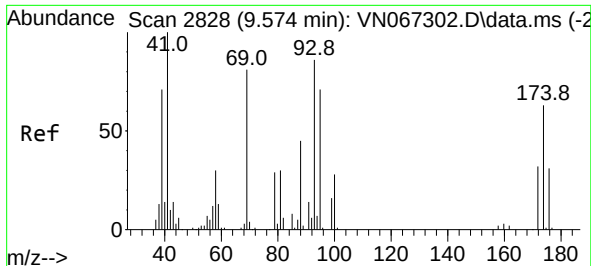
Tgt Ion: 43 Resp: 6216
Ion Ratio Lower Upper
43 100
57 3.3 6.9 10.3#
72 21.3 20.0 30.0



#44
Isopropyl Acetate
Concen: 0.217 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.003 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01

Tgt Ion: 43 Resp: 3057
Ion Ratio Lower Upper
43 100
61 11.7 19.0 28.6#

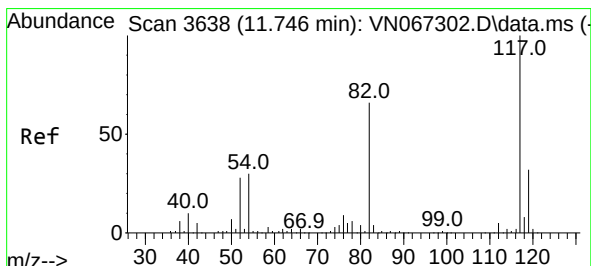
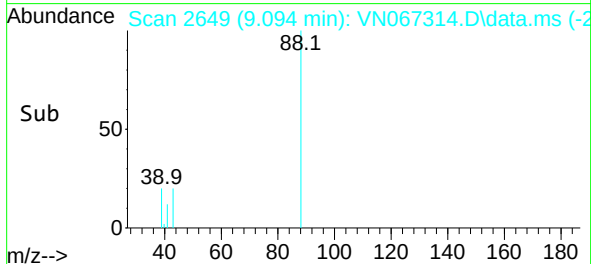
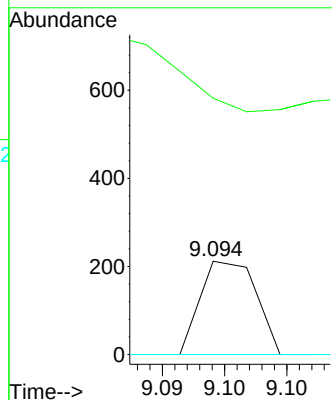
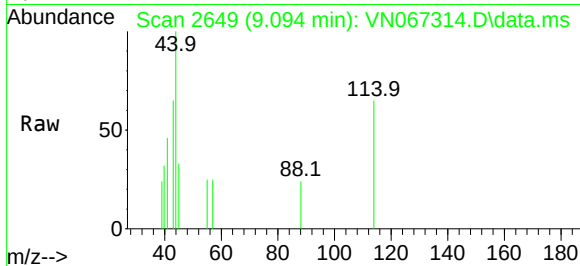




#45
1,4-Dioxane
Concen: 0.719 ug/l
RT: 9.094 min Scan# 2649
Delta R.T. -0.480 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01

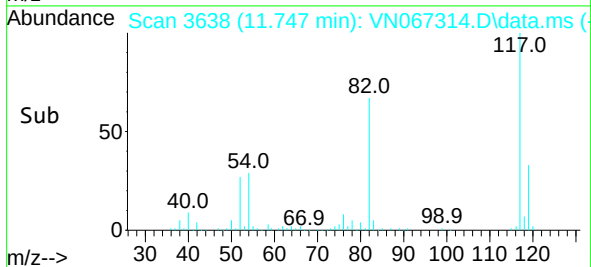
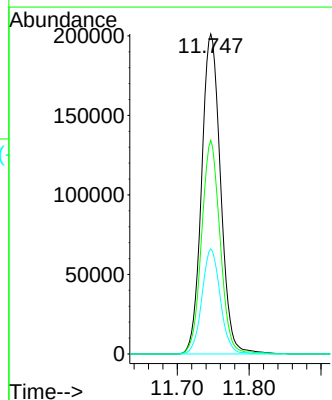
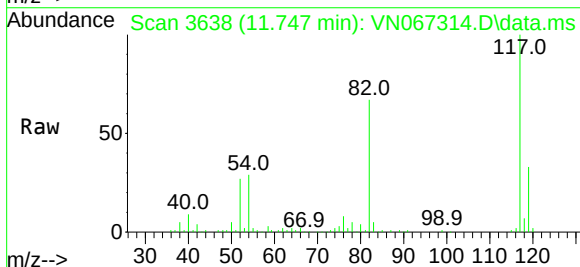
Instrument :
MSVOA_N
ClientSampled :
EFF-WW

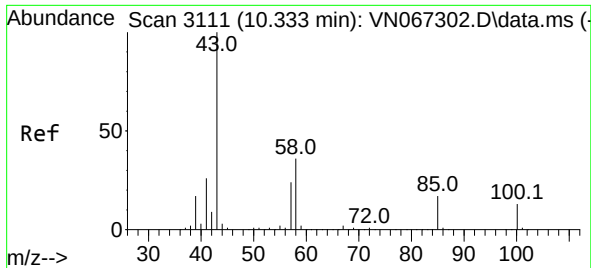
Tgt Ion: 88	Resp: 66
Ion Ratio	Lower Upper
88	100
43	112.1 18.0 27.0#
58	0.0 57.7 86.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01

Tgt Ion: 117	Resp: 370202
Ion Ratio	Lower Upper
117	100
82	64.8 52.5 78.7
119	31.7 25.8 38.8

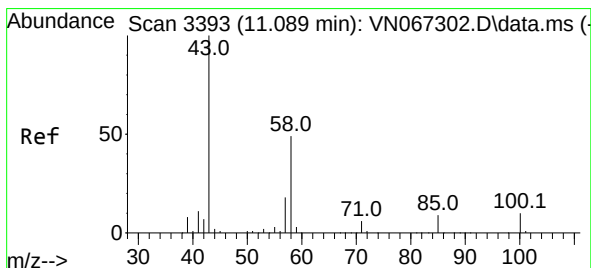
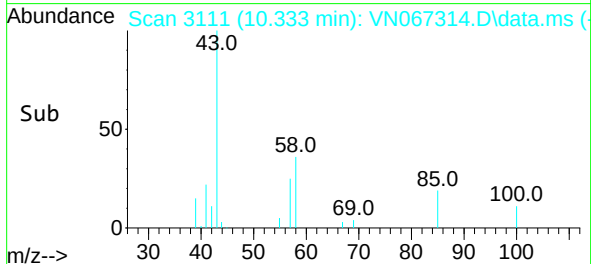
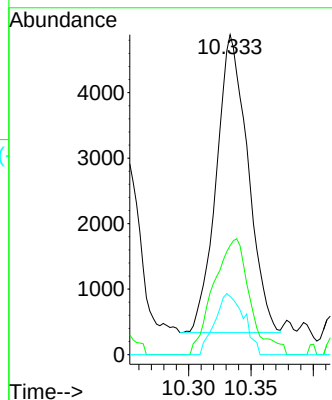
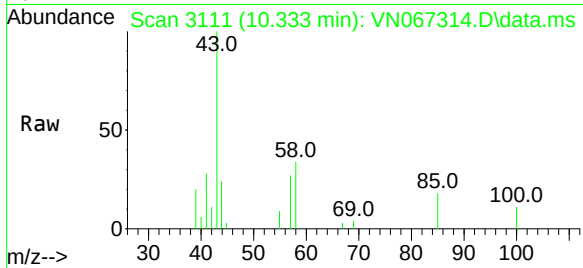




#58
4-Methyl-2-Pentanone
Concen: 0.984 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01

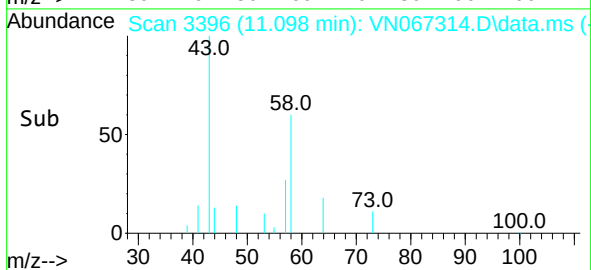
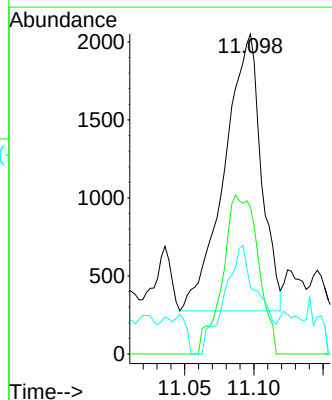
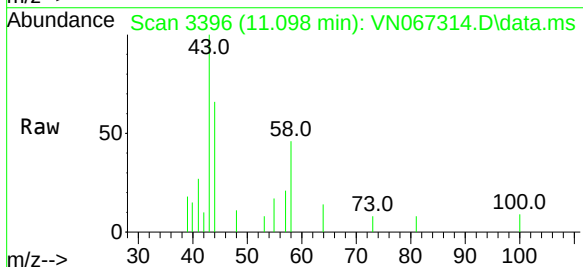
Instrument :
MSVOA_N
ClientSampled :
EFF-WW

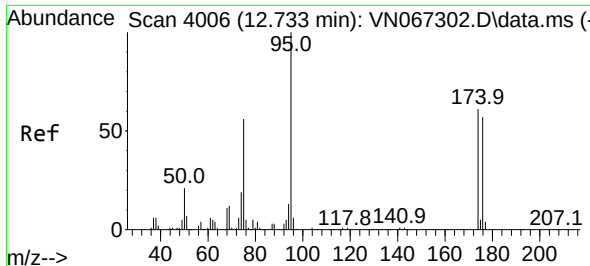
Tgt Ion: 43 Resp: 8006
Ion Ratio Lower Upper
43 100
58 42.5 29.0 43.4
85 16.2 13.2 19.8



#59
2-Hexanone
Concen: 0.558 ug/l
RT: 11.098 min Scan# 3396
Delta R.T. 0.008 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01

Tgt Ion: 43 Resp: 3284
Ion Ratio Lower Upper
43 100
58 22.7 39.4 59.0#
57 15.9 14.4 21.6

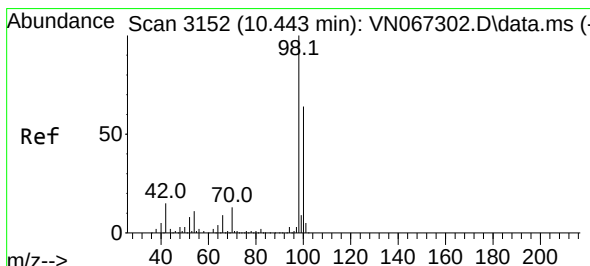
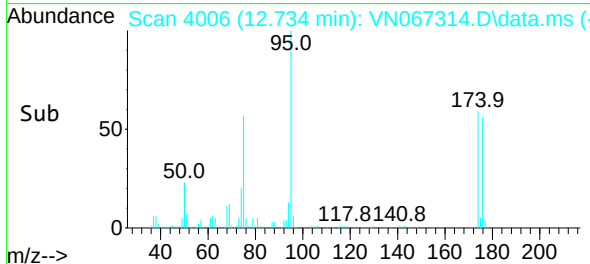
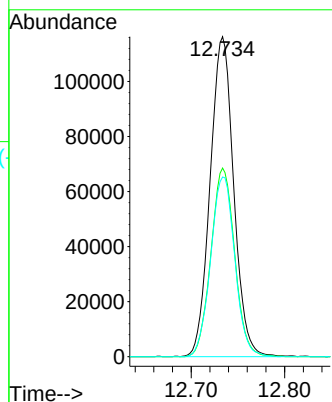
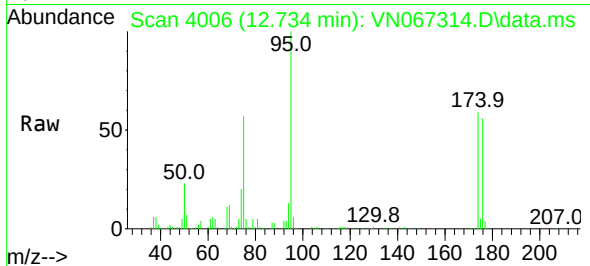




#60
4-Bromofluorobenzene
Concen: 28.537 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01

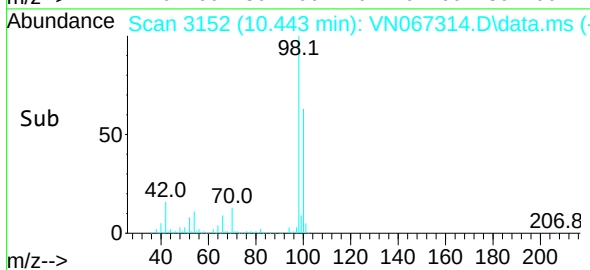
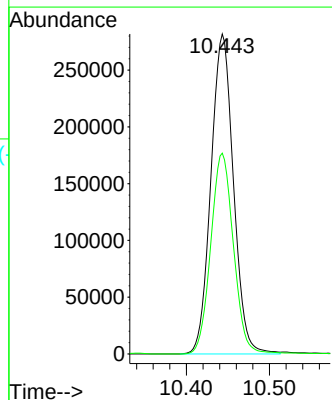
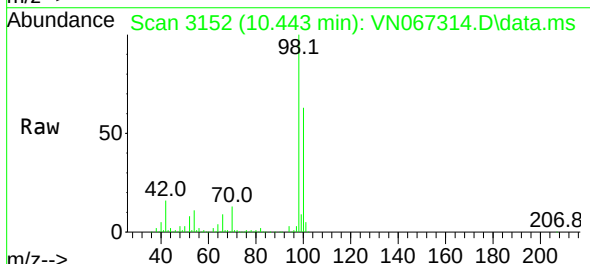
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

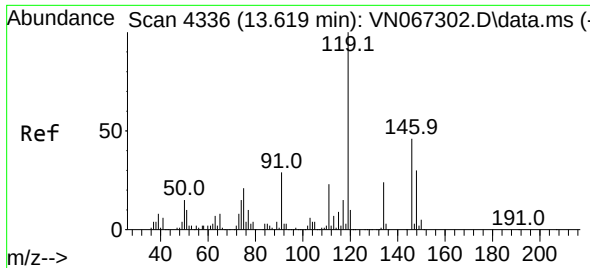
Tgt Ion: 95 Resp: 203955
Ion Ratio Lower Upper
95 100
174 59.4 47.7 71.5
176 57.5 45.7 68.5



#63
Toluene-d8
Concen: 30.073 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01

Tgt Ion: 98 Resp: 530953
Ion Ratio Lower Upper
98 100
100 63.2 51.2 76.8

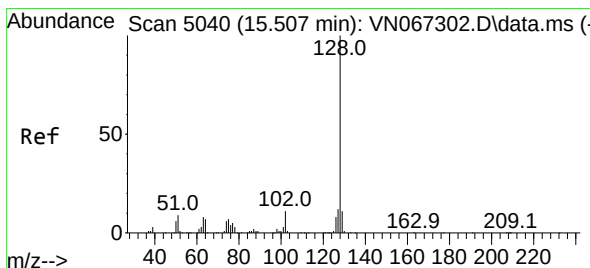
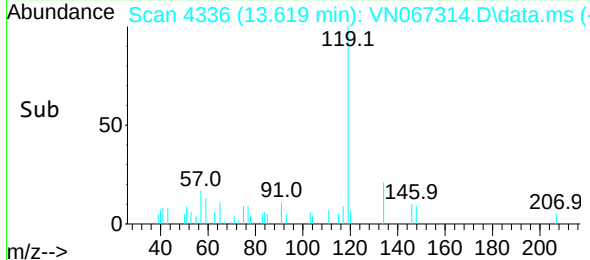
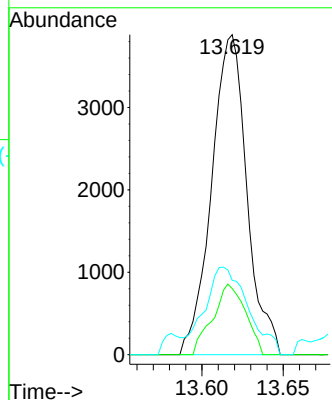
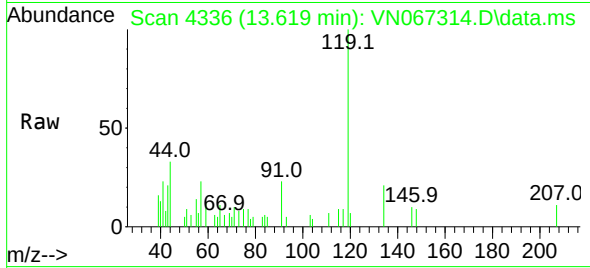




#82
p-Isopropyltoluene
Concen: 0.329 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01

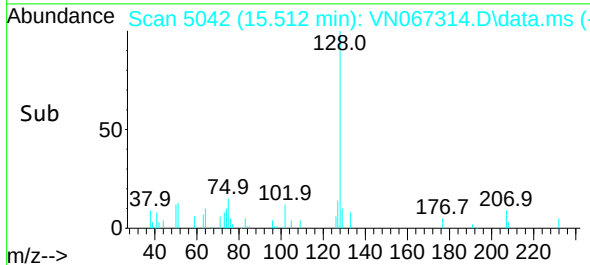
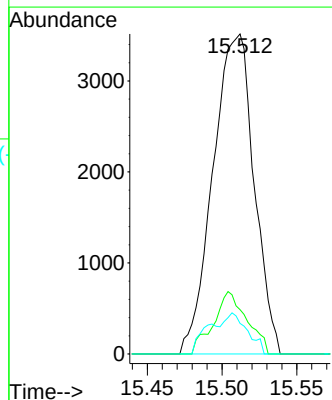
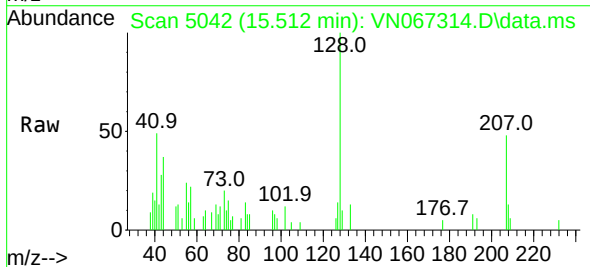
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

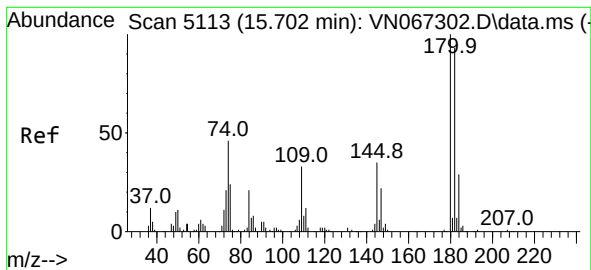
Tgt Ion:	119	Resp:	5860
Ion	Ratio	Lower	Upper
119	100		
134	20.5	0.0	49.0
91	25.3	0.0	59.6



#91
Naphthalene
Concen: 0.461 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01

Tgt Ion:	128	Resp:	6719
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.1	15.1
129	6.8	8.9	13.3#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.277 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. 0.000 min
 Lab File: VN067314.D
 Acq: 12 Jun 2021 4:01

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Tgt Ion:180 Resp: 1169
 Ion Ratio Lower Upper
 180 100
 182 23.5 0.0 184.6
 145 19.4 0.0 76.0

