

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042021\
 Data File : VN066687.D
 Acq On : 20 Apr 2021 17:38
 Operator : JC/MD
 Sample : M2081-02 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: Apr 21 10:09:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Apr 20 12:52:17 2021
 Response via : Initial Calibration

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

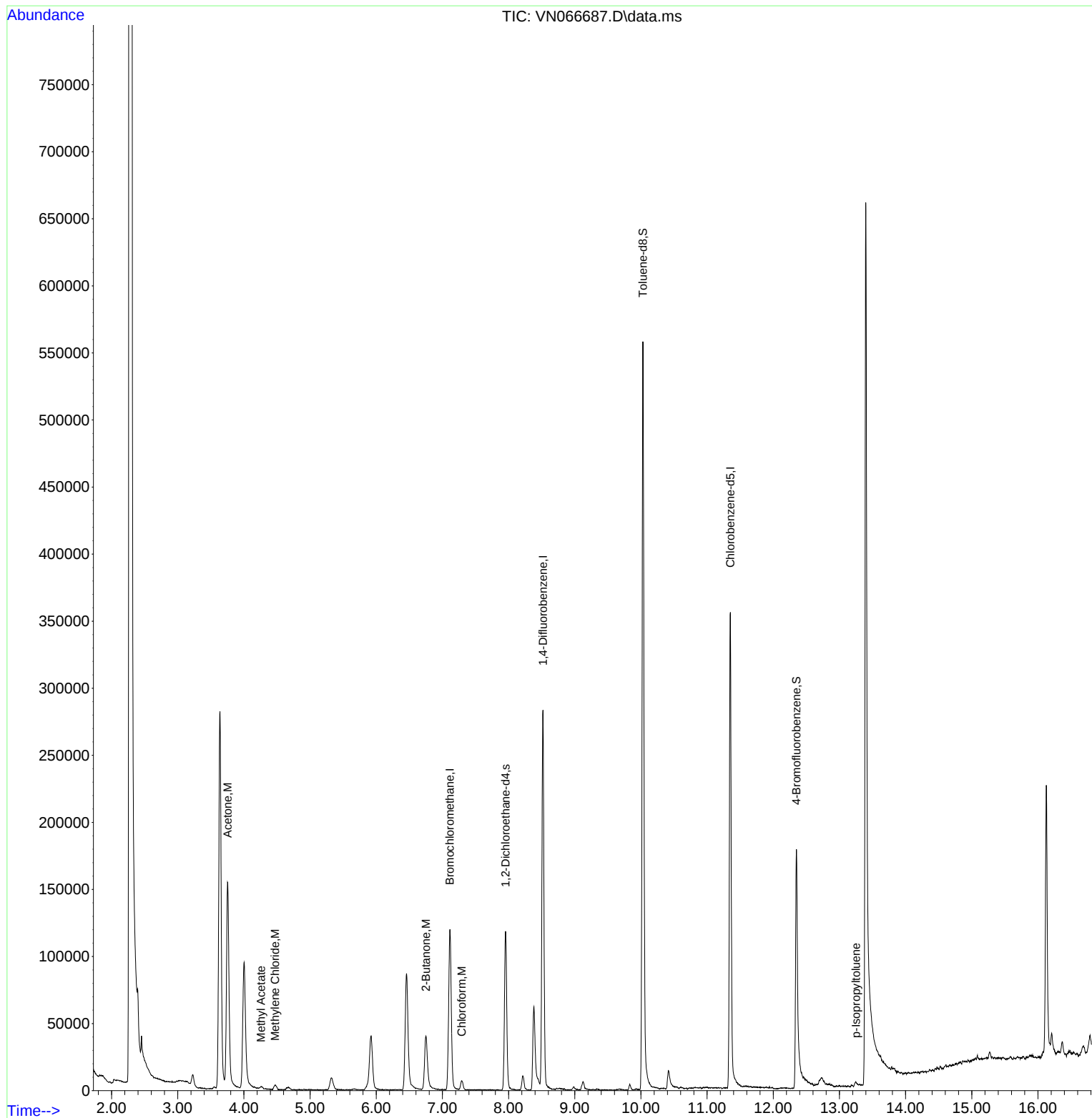
Internal Standards						
1) Bromochloromethane	7.114	128	47074	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.519	114	257039	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.351	117	221173	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.953	65	103331	30.46	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	101.53%	
60) 4-Bromofluorobenzene	12.349	95	85403	24.64	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	82.13%	
63) Toluene-d8	10.029	98	315857	31.04	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	103.47%	
Target Compounds						Qvalue
12) Methyl Acetate	4.260	43	2910	0.87	ug/l	92
15) Acetone	3.753	58	81677	212.32	ug/l	84
18) Methylene Chloride	4.472	84	2641	0.84	ug/l	92
25) Chloroform	7.293	83	7956	1.51	ug/l	94
30) 2-Butanone	6.751	43	69611	35.63	ug/l	99
82) p-Isopropyltoluene	13.250	119	3424	0.33	ug/l	74

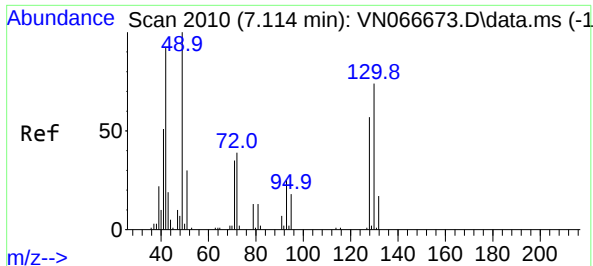
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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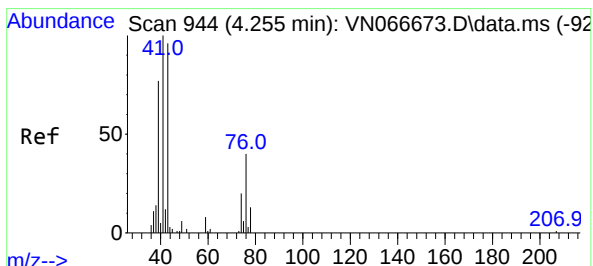
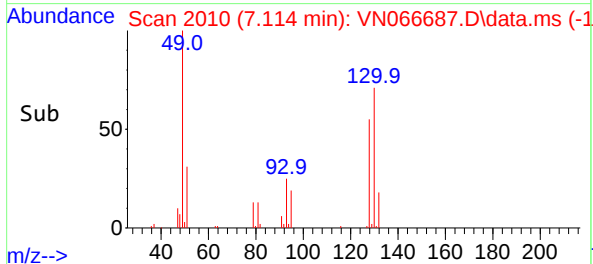
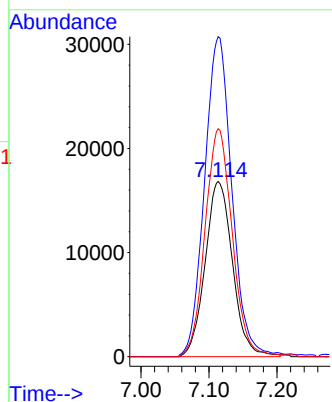
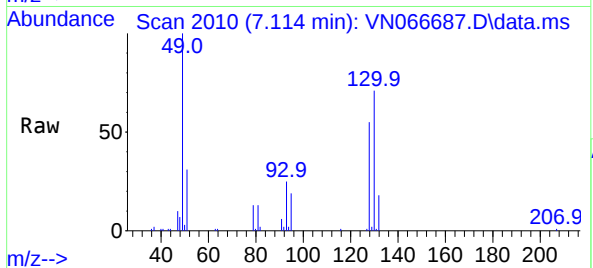




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.114 min Scan# 2010
Delta R.T. -0.000 min
Lab File: VN066687.D
Acq: 20 Apr 2021 17:38

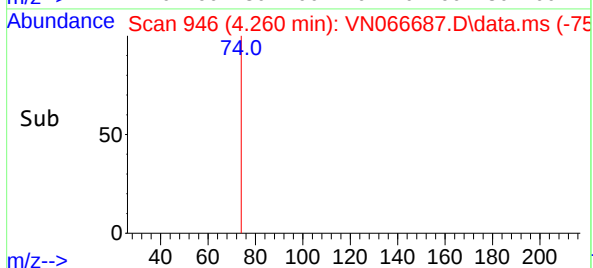
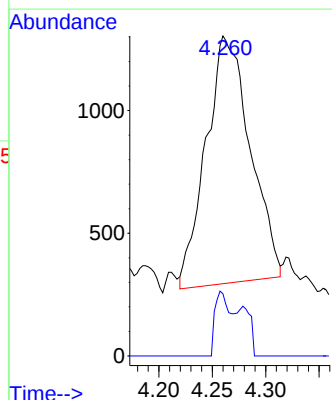
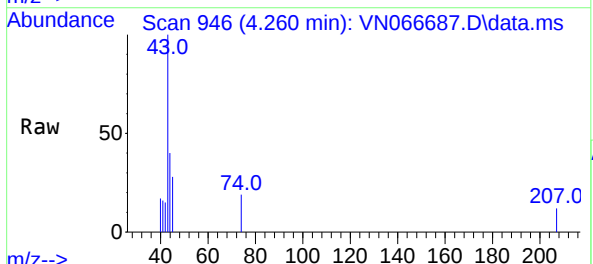
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

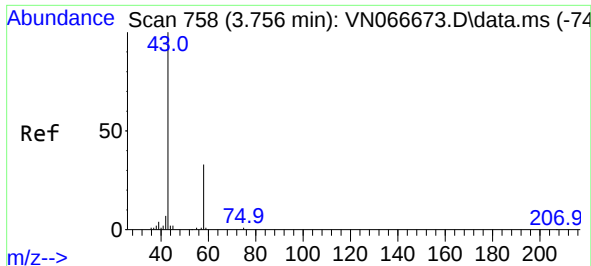
Tgt Ion:128 Resp: 47074
Ion Ratio Lower Upper
128 100
49 181.5 0.0 429.3
130 129.5 0.0 328.5



#12
Methyl Acetate
Concen: 0.87 ug/l
RT: 4.260 min Scan# 946
Delta R.T. 0.005 min
Lab File: VN066687.D
Acq: 20 Apr 2021 17:38

Tgt Ion: 43 Resp: 2910
Ion Ratio Lower Upper
43 100
74 26.5 18.0 27.0

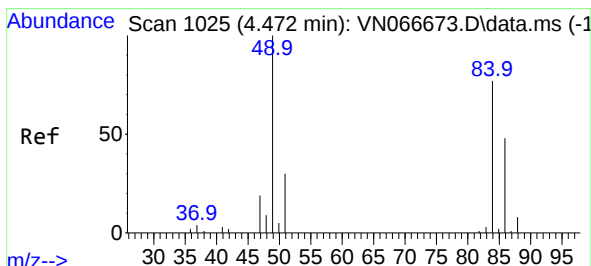
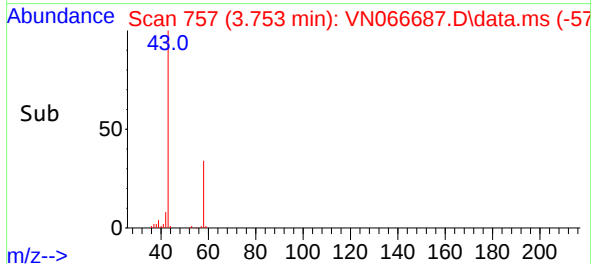
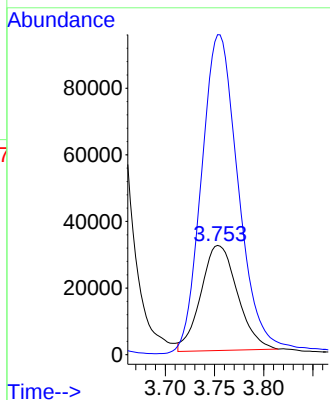
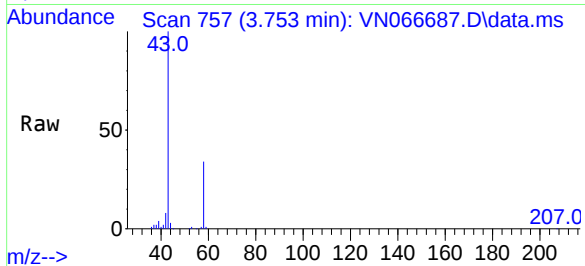




#15
Acetone
Concen: 212.32 ug/l
RT: 3.753 min Scan# 757
Delta R.T. -0.003 min
Lab File: VN066687.D
Acq: 20 Apr 2021 17:38

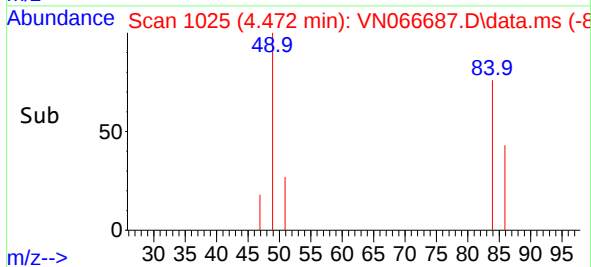
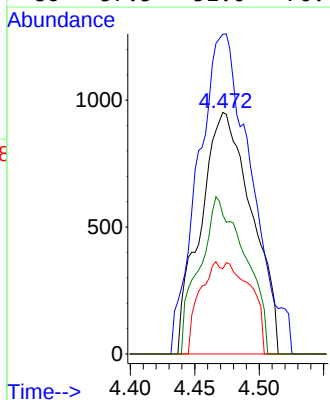
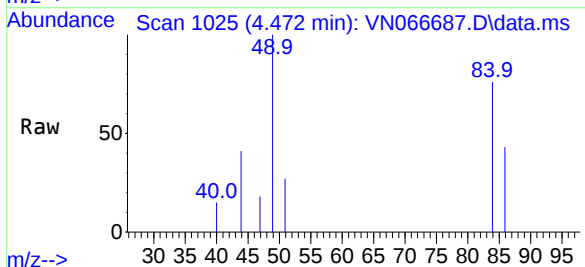
Instrument :
MSVOA_N
ClientSampled :
EFF-WW

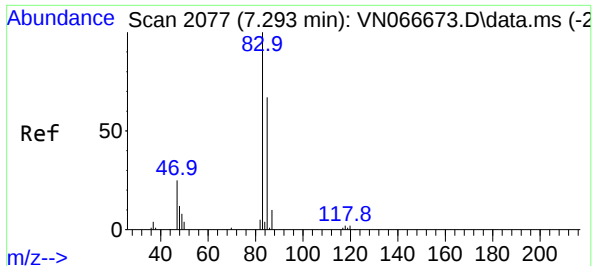
Tgt Ion: 58 Resp: 81677
Ion Ratio Lower Upper
58 100
43 300.5 267.3 400.9



#18
Methylene Chloride
Concen: 0.84 ug/l
RT: 4.472 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN066687.D
Acq: 20 Apr 2021 17:38

Tgt Ion: 84 Resp: 2641
Ion Ratio Lower Upper
84 100
49 113.6 98.9 148.3
51 35.3 30.8 46.2
86 57.5 51.0 76.4



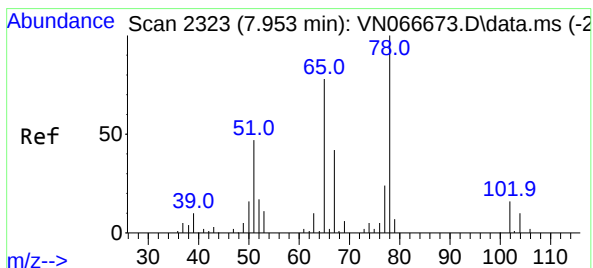
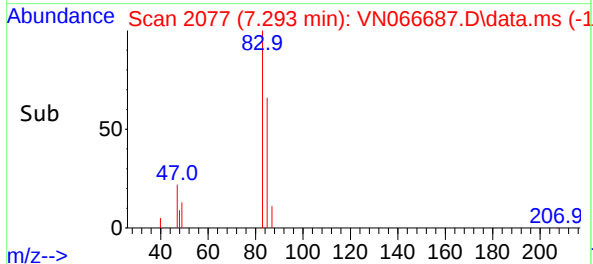
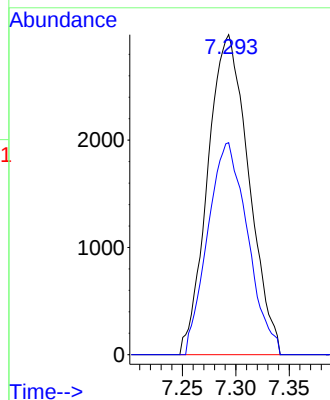
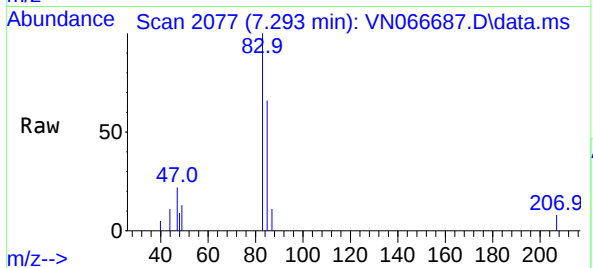


#25

Chloroform
Concen: 1.51 ug/l
RT: 7.293 min Scan# 2077
Delta R.T. 0.000 min
Lab File: VN066687.D
Acq: 20 Apr 2021 17:38

Instrument :
MSVOA_N
ClientSampled :
EFF-WW

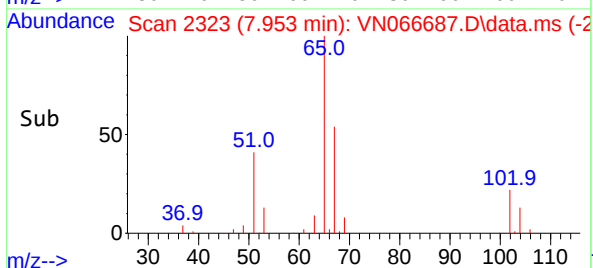
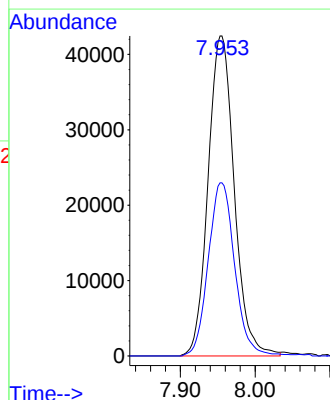
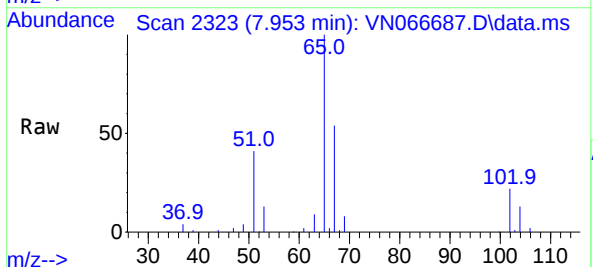
Tgt Ion: 83 Resp: 7956
Ion Ratio Lower Upper
83 100
85 66.3 49.4 74.2

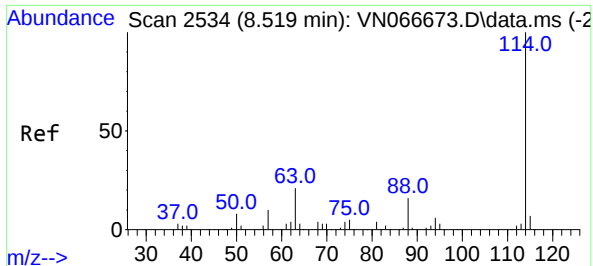


#27

1,2-Dichloroethane-d4
Concen: 30.46 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VN066687.D
Acq: 20 Apr 2021 17:38

Tgt Ion: 65 Resp: 103331
Ion Ratio Lower Upper
65 100
67 54.3 42.2 63.4



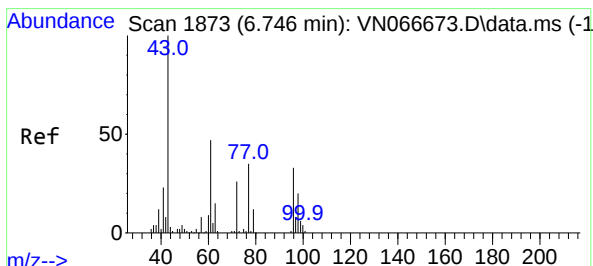
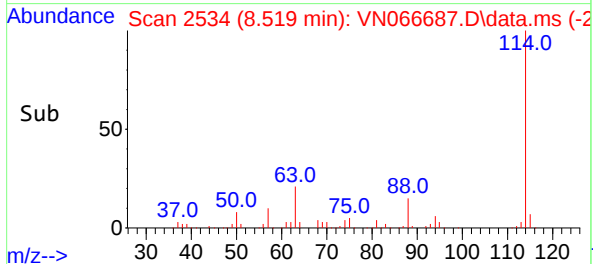
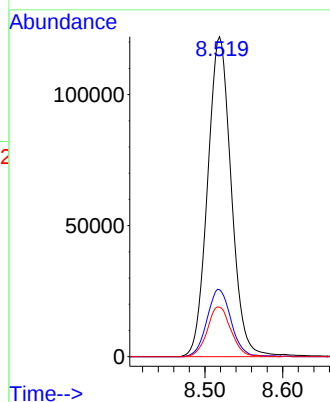
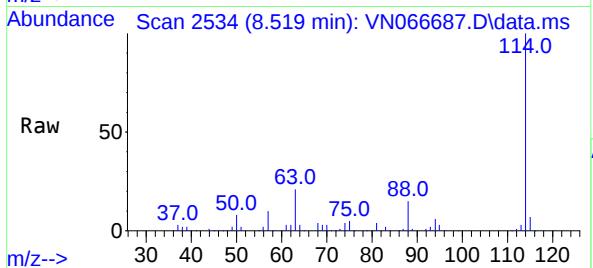


#28

1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VN066687.D
Acq: 20 Apr 2021 17:38

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

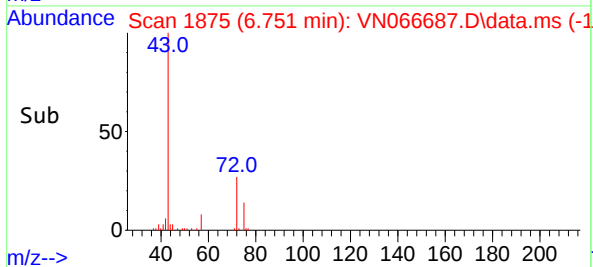
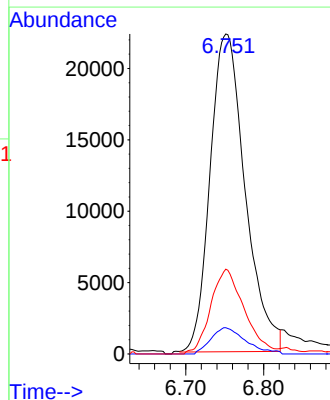
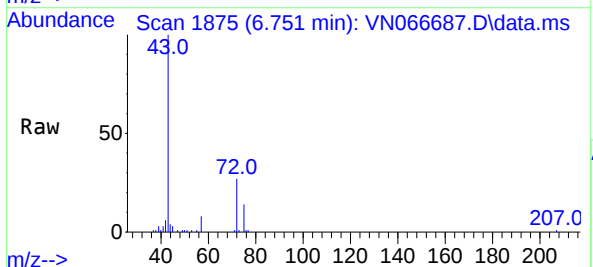
Tgt Ion:114 Resp: 257039
Ion Ratio Lower Upper
114 100
63 21.4 17.4 26.0
88 15.6 12.6 19.0

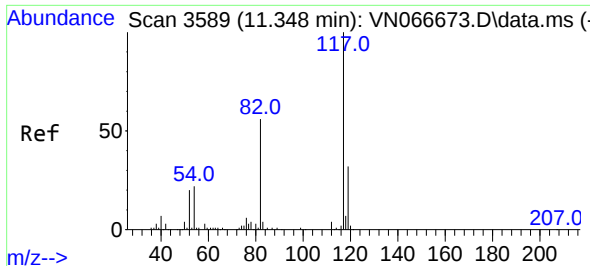


#30

2-Butanone
Concen: 35.63 ug/l
RT: 6.751 min Scan# 1875
Delta R.T. 0.005 min
Lab File: VN066687.D
Acq: 20 Apr 2021 17:38

Tgt Ion: 43 Resp: 69611
Ion Ratio Lower Upper
43 100
57 7.8 6.9 10.3
72 25.5 20.9 31.3

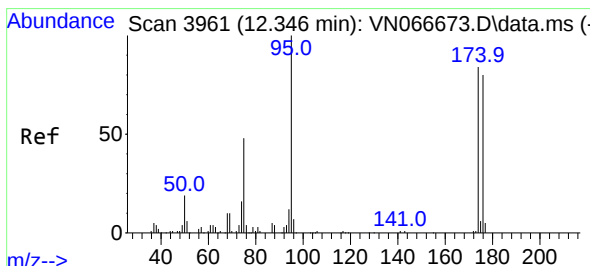
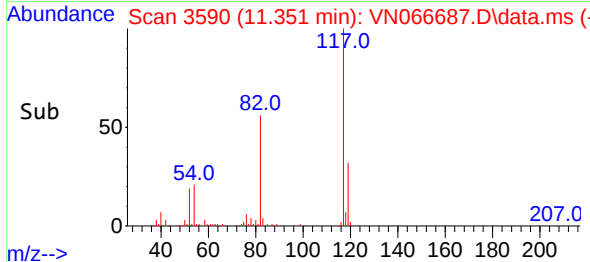
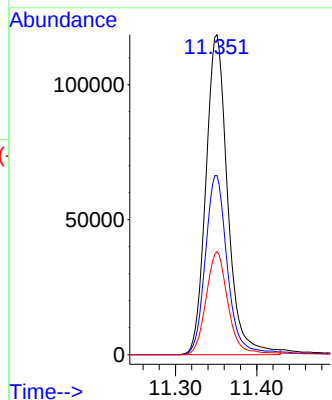
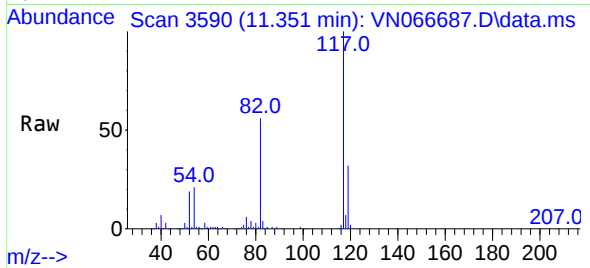




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VN066687.D
Acq: 20 Apr 2021 17:38

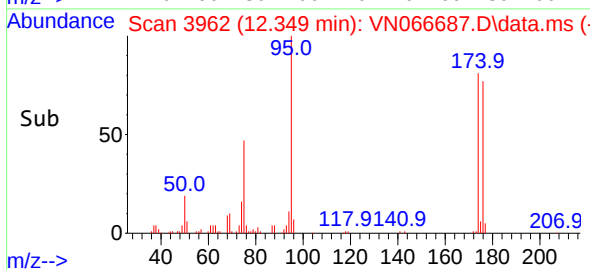
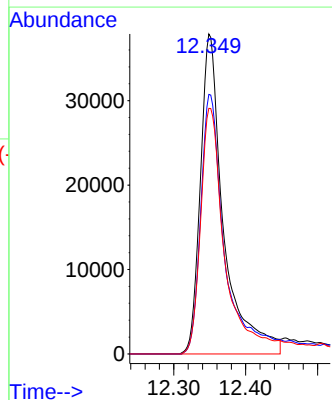
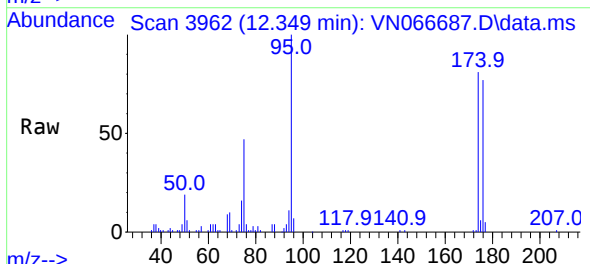
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

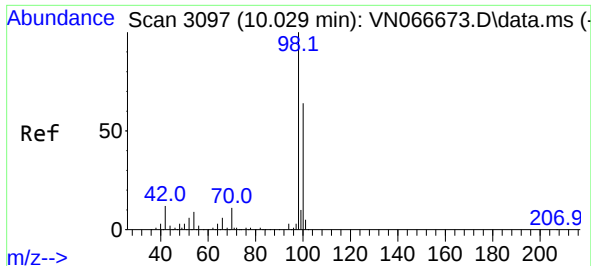
Tgt Ion:	117	Resp:	221173
Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.0	67.6
119	32.8	25.5	38.3



#60
4-Bromofluorobenzene
Concen: 24.64 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.003 min
Lab File: VN066687.D
Acq: 20 Apr 2021 17:38

Tgt Ion:	95	Resp:	85403
Ion	Ratio	Lower	Upper
95	100		
174	76.5	68.1	102.1
176	79.2	65.4	98.0

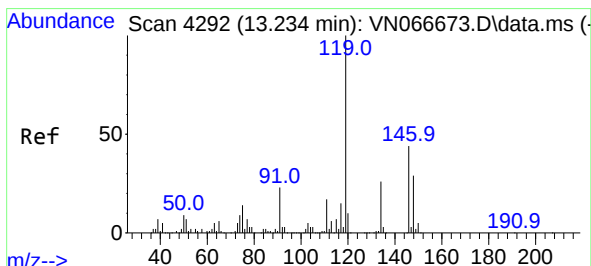
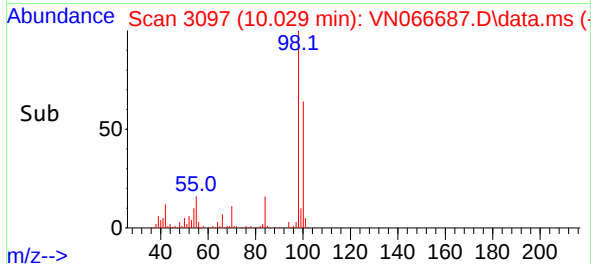
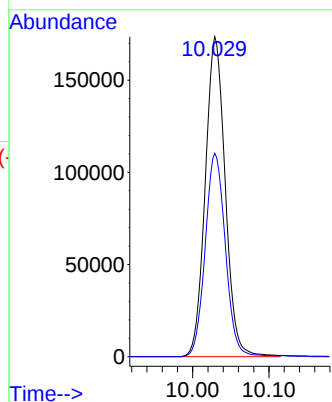
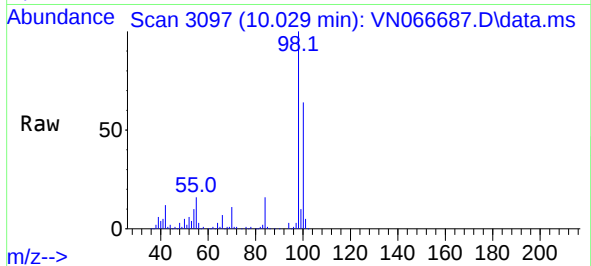




#63
Toluene-d8
Concen: 31.04 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066687.D
Acq: 20 Apr 2021 17:38

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 98 Resp: 315857
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7



#82
p-Isopropyltoluene
Concen: 0.33 ug/l
RT: 13.250 min Scan# 4298
Delta R.T. 0.016 min
Lab File: VN066687.D
Acq: 20 Apr 2021 17:38

Tgt Ion: 119 Resp: 3424
Ion Ratio Lower Upper
119 100
134 18.6 0.0 53.4
91 5.5 0.0 47.6

