

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

Manual Integrations
 APPROVED

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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
15) Acetone	4.288	58	991885	1548.192	ug/l	97
20) Diisopropyl ether	6.501	45	72739	4.189	ug/l	94
25) Chloroform	7.823	83	15786m	1.603	ug/l	
82) p-Isopropyltoluene	13.619	119	5860	0.329	ug/l	92

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

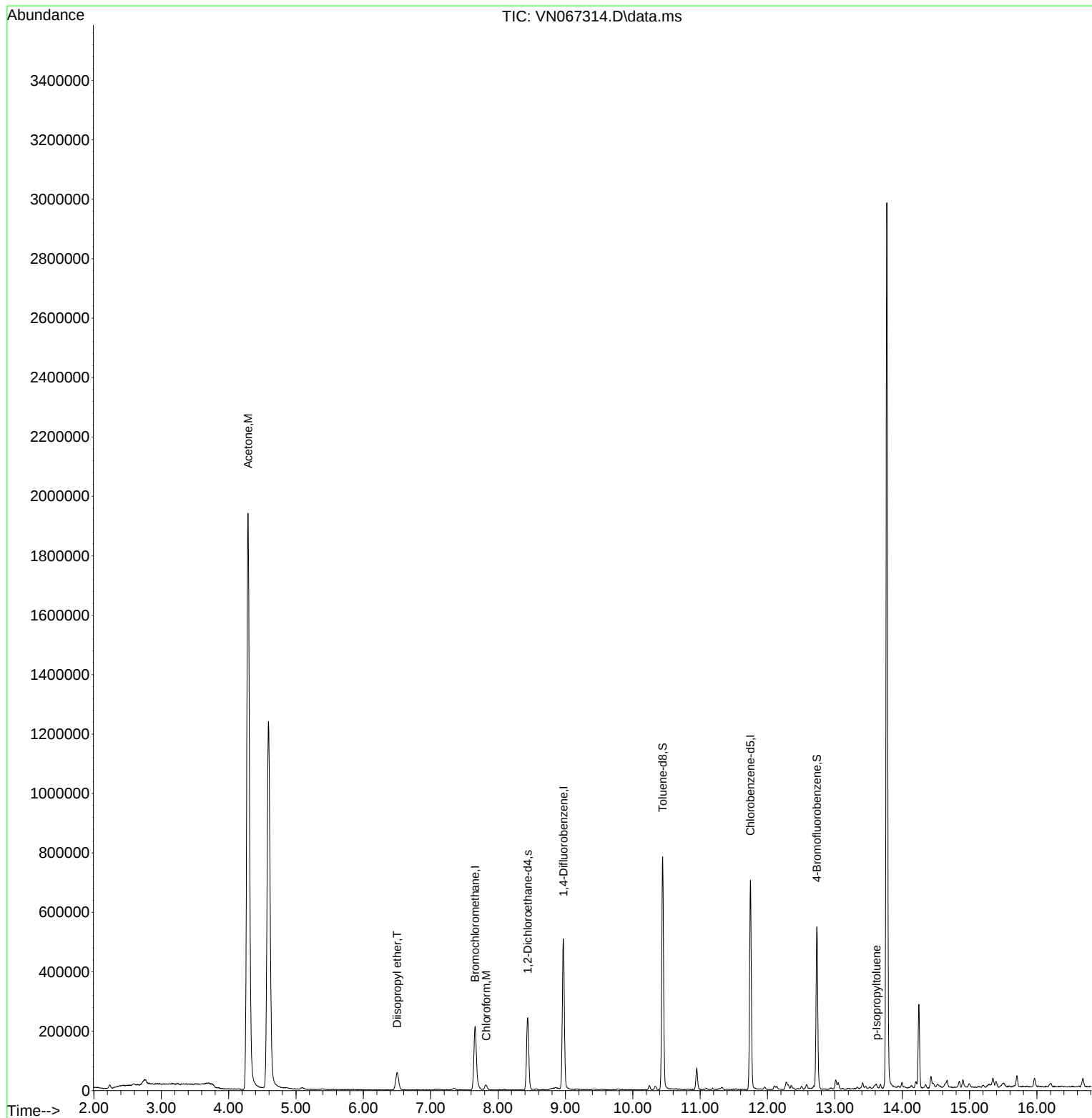
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Data File : VN067314.D
Acq On : 12 Jun 2021 4:01
Operator : JC/MD
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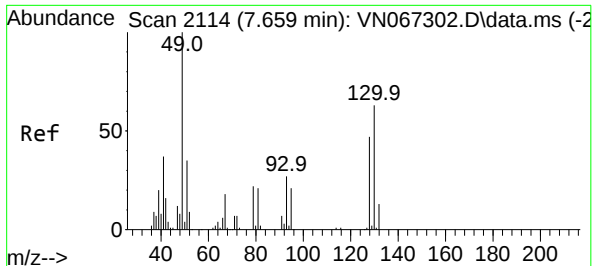
Instrument :
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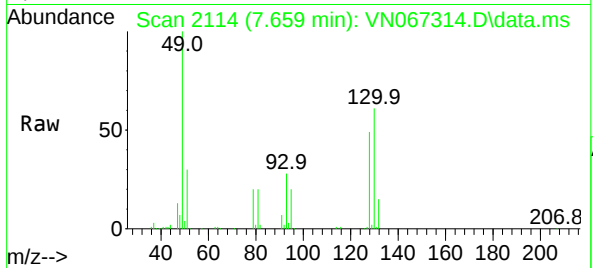
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Quant Time: Jun 12 09:29:57 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N061121W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Response via : Initial Calibration

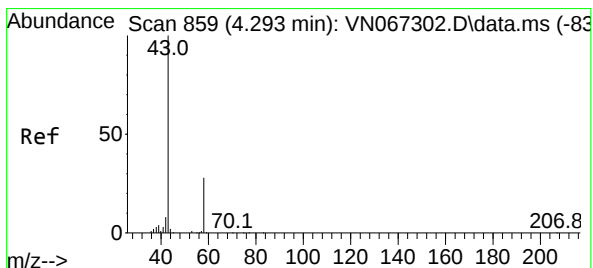
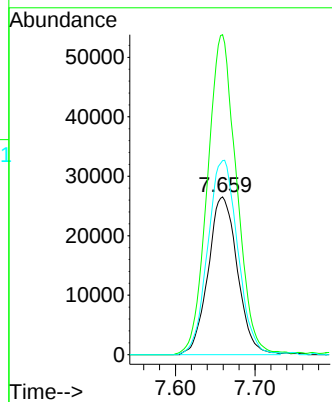
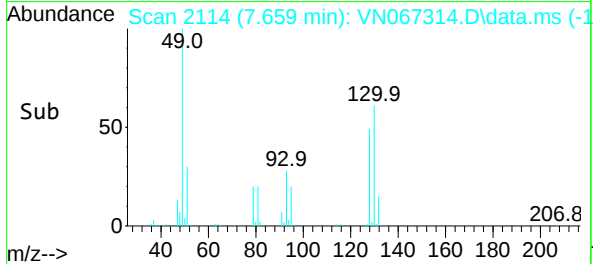




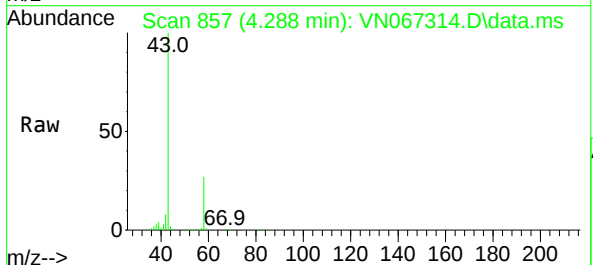
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01



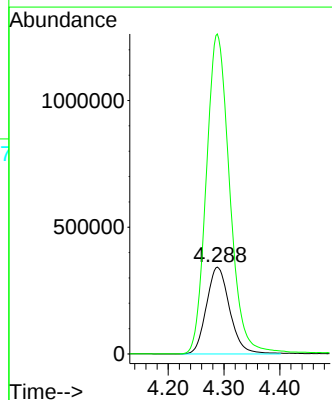
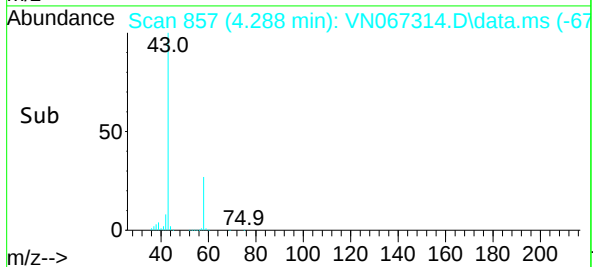
Tgt Ion:128 Resp: 67898
Ion Ratio Lower Upper
128 100
49 200.9 0.0 517.5
130 126.1 0.0 325.8



#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



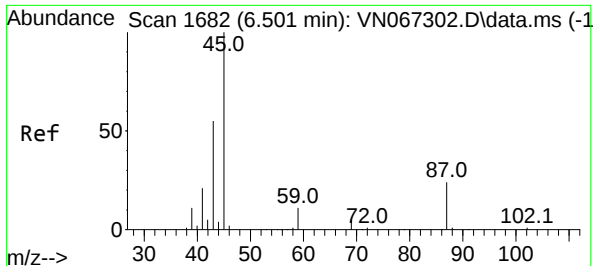
Tgt Ion: 58 Resp: 991885
Ion Ratio Lower Upper
58 100
43 368.3 289.6 434.4



Instrument :
MSVOA_N
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#20

Diisopropyl ether

Concen: 4.189 ug/l

RT: 6.501 min Scan# 1682

Delta R.T. 0.000 min

Lab File: VN067314.D

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Tgt Ion: 45 Resp: 72739

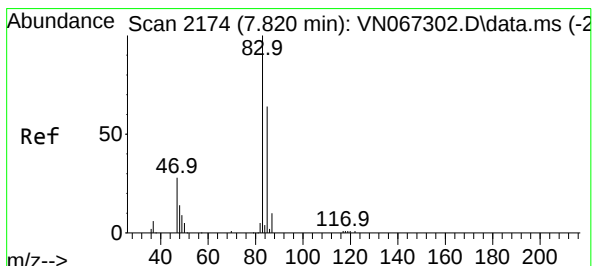
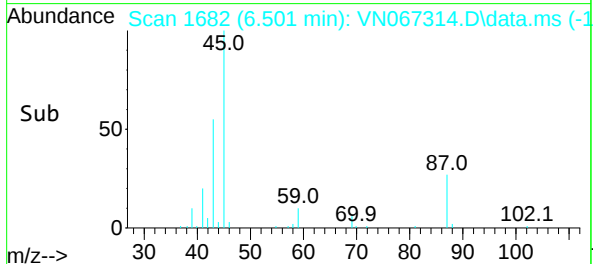
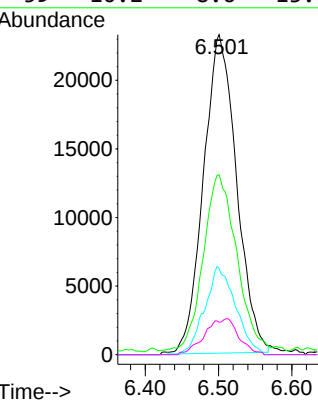
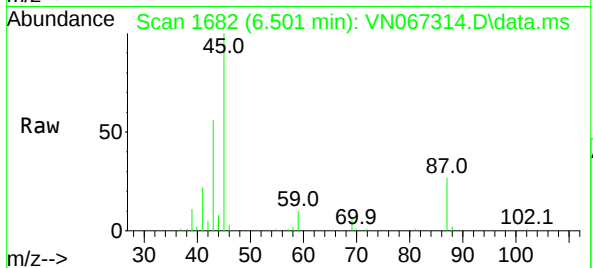
Ion Ratio Lower Upper

45 100

43 55.0 48.1 72.1

87 27.1 19.8 29.6

59 10.2 8.6 13.0



#25

Chloroform

Concen: 1.603 ug/l m

RT: 7.823 min Scan# 2175

Delta R.T. 0.003 min

Lab File: VN067314.D

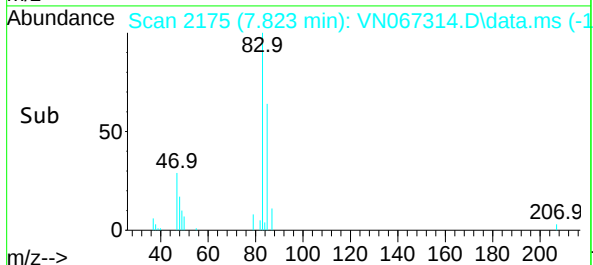
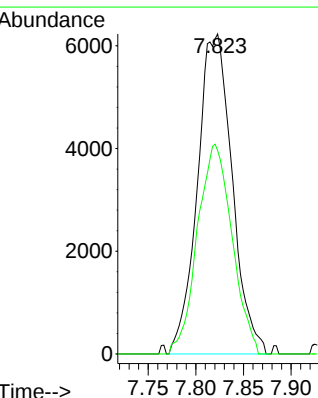
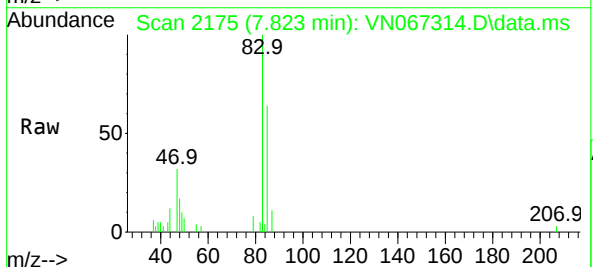
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Tgt Ion: 83 Resp: 15786

Ion Ratio Lower Upper

83 100

85 63.6 51.5 77.3



Instrument :

MSVOA_N

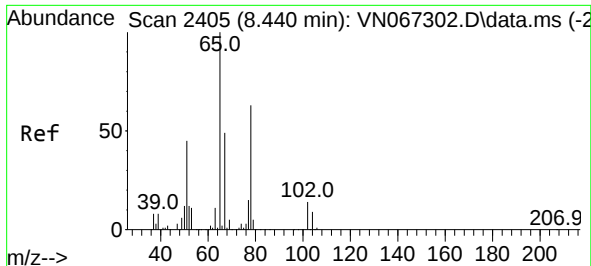
ClientSampled :

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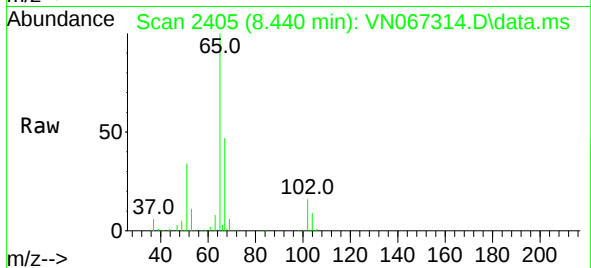
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#27

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

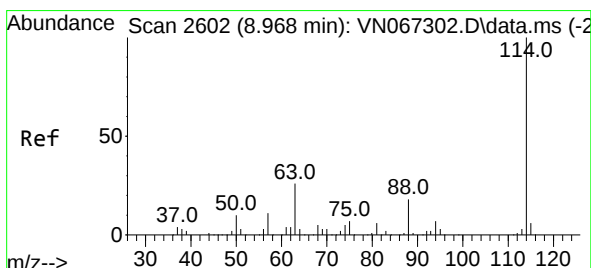
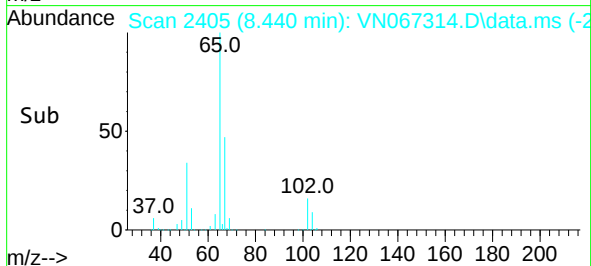
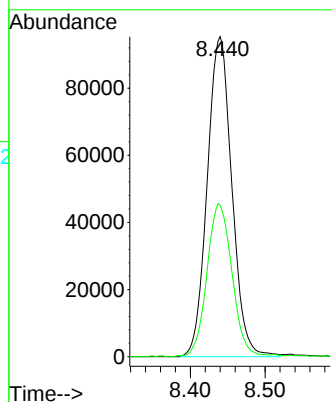
Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 65 Resp: 218455
Ion Ratio Lower Upper
65 100
67 48.4 39.8 59.8

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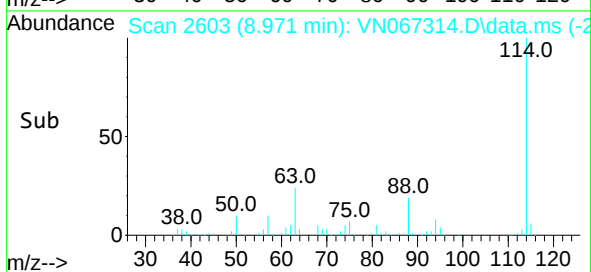
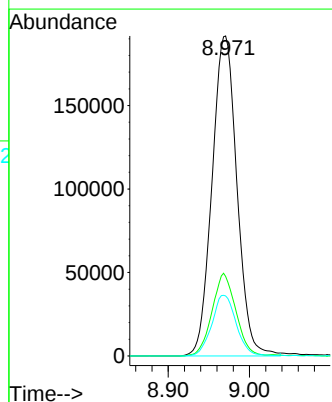
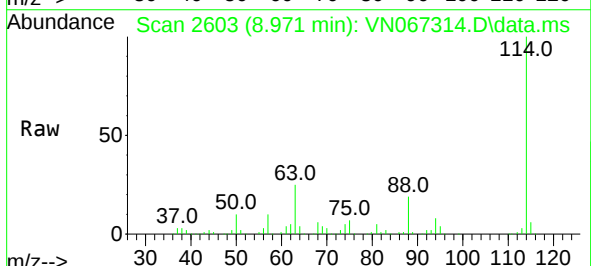
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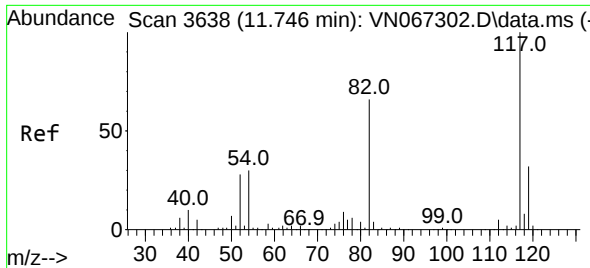


#28

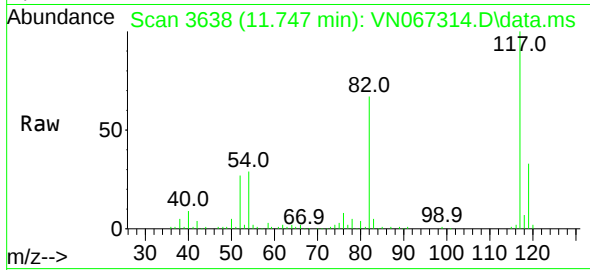
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01

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

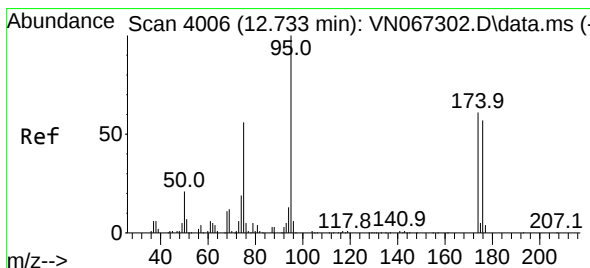
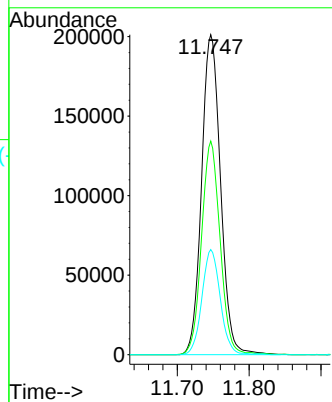
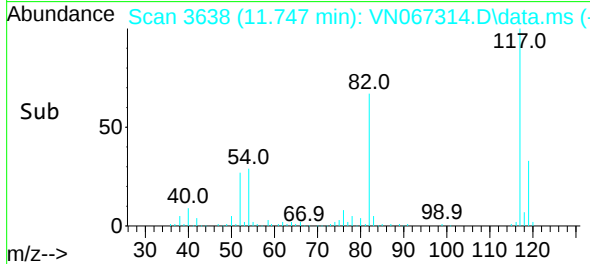




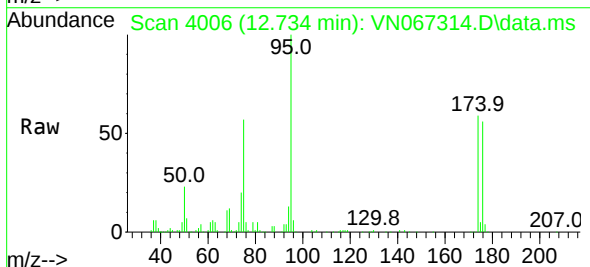
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01



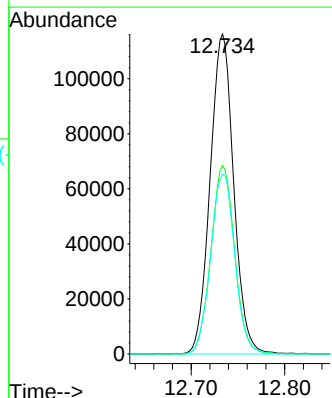
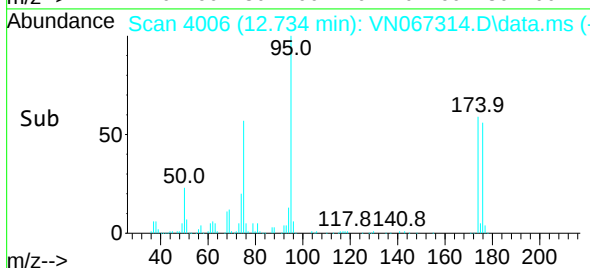
Tgt Ion: 117 Resp: 370202
Ion Ratio Lower Upper
117 100
82 64.8 52.5 78.7
119 31.7 25.8 38.8



#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



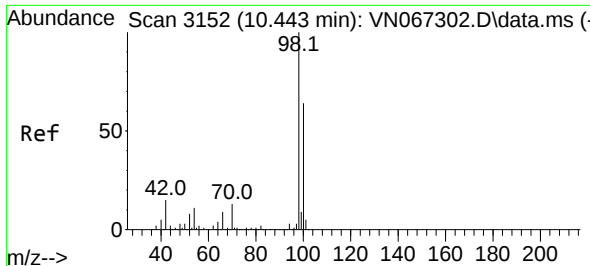
Tgt Ion: 95 Resp: 203955
Ion Ratio Lower Upper
95 100
174 59.4 47.7 71.5
176 57.5 45.7 68.5



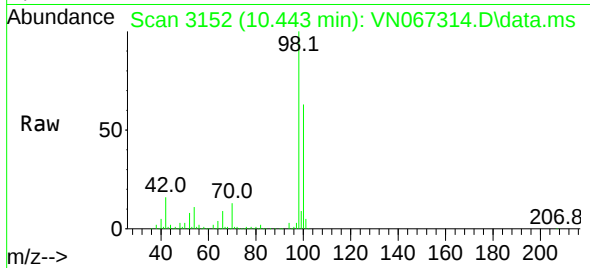
Instrument :
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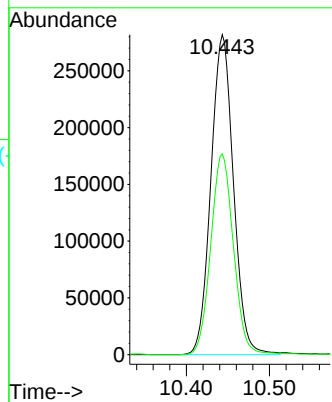
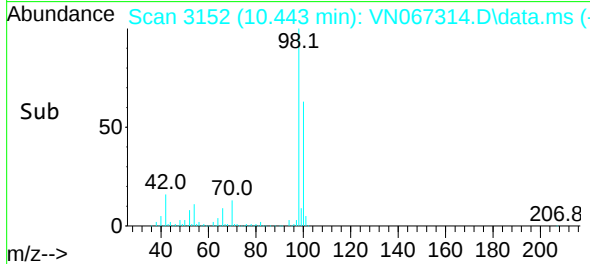
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#63
Toluene-d8
Concen: 30.073 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067314.D
Acq: 12 Jun 2021 4:01



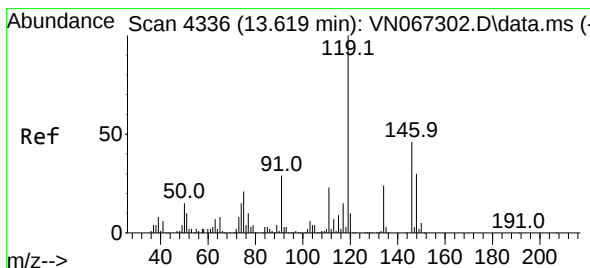
Tgt Ion: 98 Resp: 530953
Ion Ratio Lower Upper
98 100
100 63.2 51.2 76.8



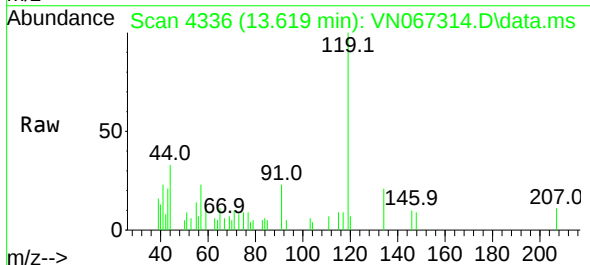
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Manual Integrations
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#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



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

