

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082620\
 Data File : VN063138.D
 Acq On : 26 Aug 2020 17:23
 Operator : JC/MD
 Sample : L3792-01 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40617

Quant Time: Aug 27 01:25:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	164228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	270805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	270469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	123074	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	95504	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
35) Dibromofluoromethane	7.55	113	86580	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
50) Toluene-d8	10.06	98	337019	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.38	95	129452	54.12	ug/l	0.00
Spiked Amount			Recovery	=	108.24%	

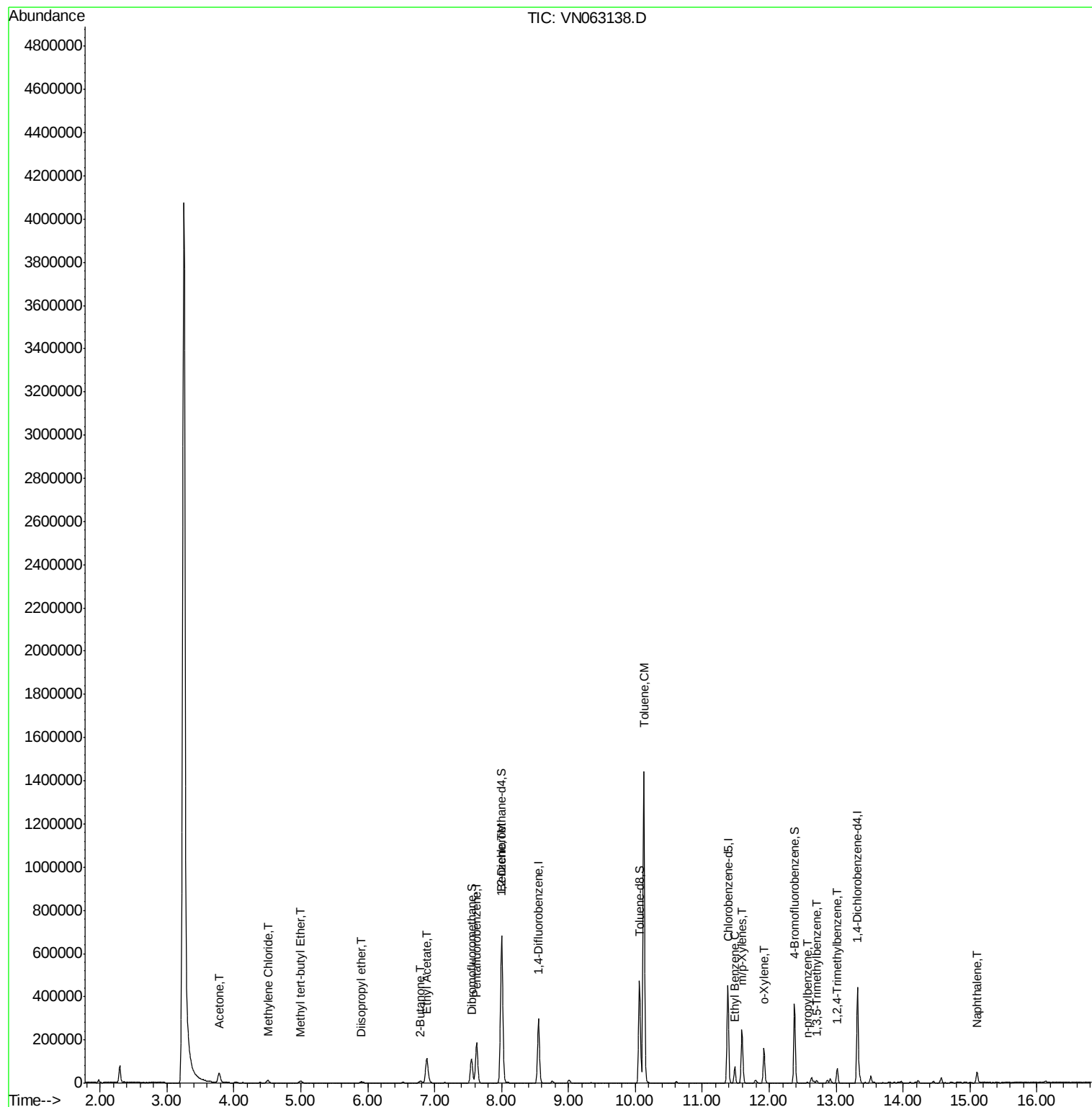
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	70947	114.766	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	14228	2.927	ug/l	98
20) Methylene Chloride	4.51	84	9822	4.508	ug/l	96
22) Diisopropyl ether	5.91	45	9191	1.648	ug/l	95
25) 2-Butanone	6.80	43	12228	11.833	ug/l	98
37) Ethyl Acetate	6.88	43	190318	85.110	ug/l	98
40) Benzene	8.00	78	670325	88.561	ug/l	99
52) Toluene	10.13	92	650094	142.379	ug/l	100
67) Ethyl Benzene	11.49	91	55221	6.016	ug/l	99
68) m/p-Xylenes	11.59	106	79592	23.331	ug/l	99
69) o-Xylene	11.92	106	45717	13.956	ug/l	98
78) n-propylbenzene	12.57	91	4109	0.428	ug/l	96
80) 1,3,5-Trimethylbenzene	12.71	105	7007	1.006	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	38771	5.712	ug/l	97
95) Naphthalene	15.10	128	43655	13.529	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN082620\
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Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN063138.D

Acq: 26 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

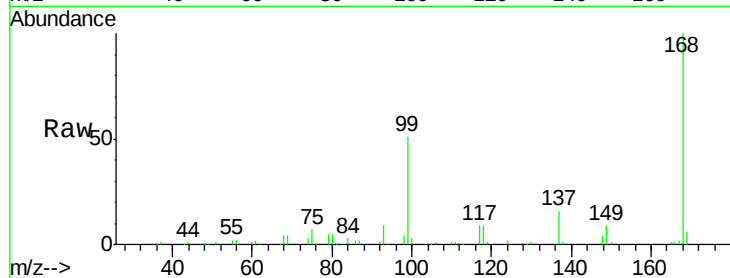
40617

Tot Ion:168 Resp: 164228

Ion Ratio Lower Upper

168 100

99 51.1 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VN062996.D (-1803) (-)

Ion 98.90 (98.60 to 99.60): VN062996.D (-1803) (-)

7.63

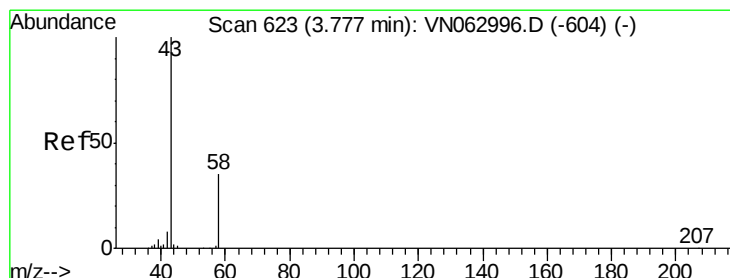
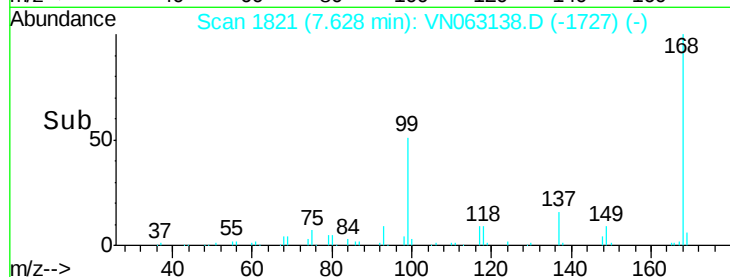
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 114.766 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN063138.D

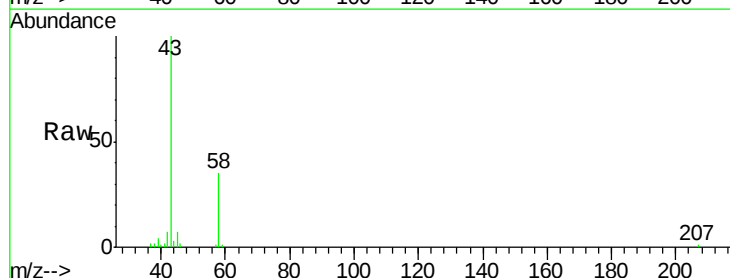
Acq: 26 Aug 2020 17:23

Tgt Ion: 43 Resp: 70947

Ion Ratio Lower Upper

43 100

58 35.5 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN062996.D (-604) (-)

3.78

30000

25000

20000

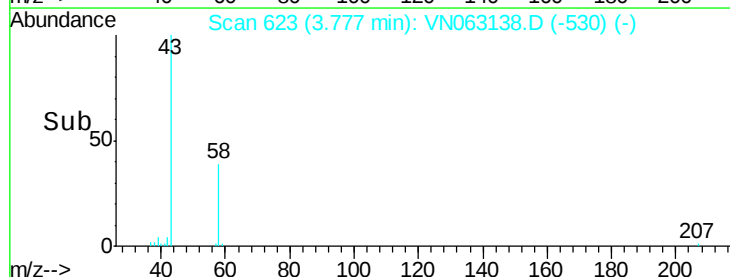
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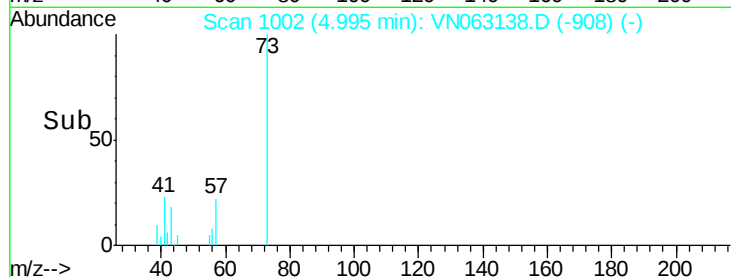
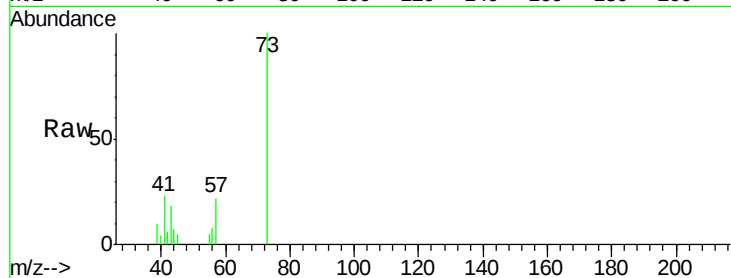
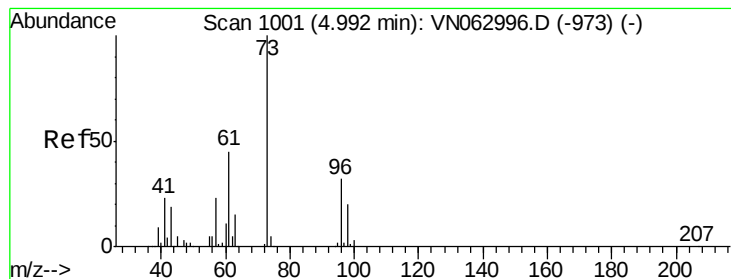
10000

5000

0

Time--> 3.70 3.80 3.90



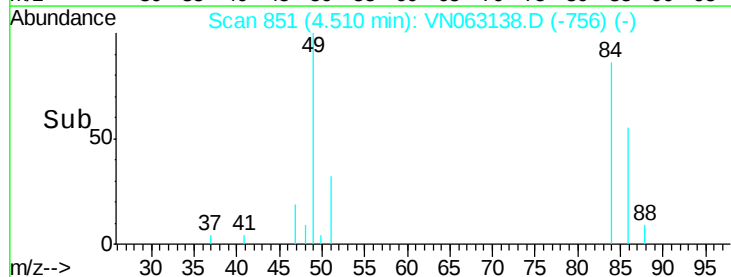
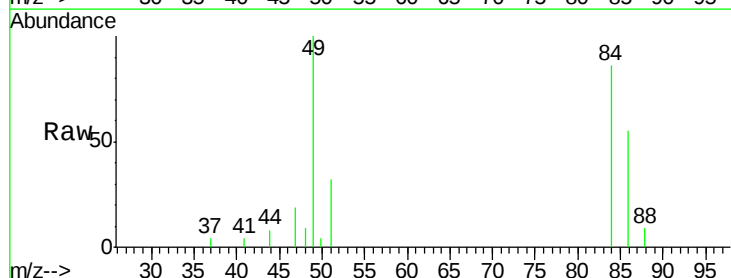
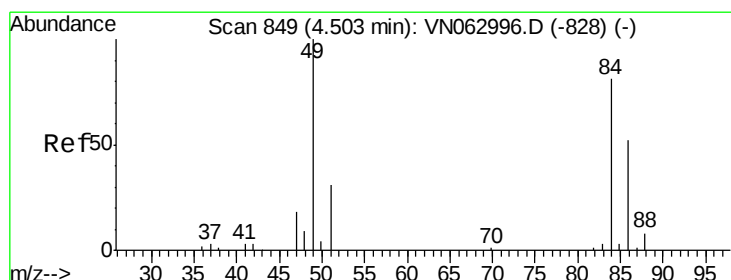
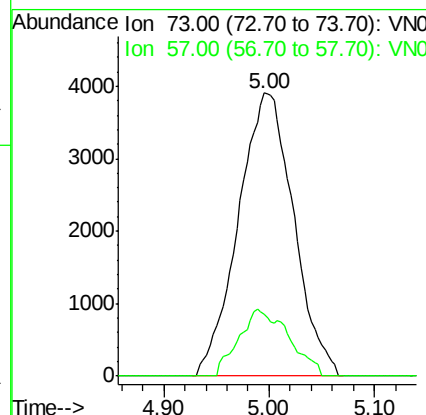


#19

Methyl tert-butyl Ether
Concen: 2.927 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN063138.D
Acq: 26 Aug 2020 17:23

Instrument :
MSVOA_N
ClientSampled :
40617

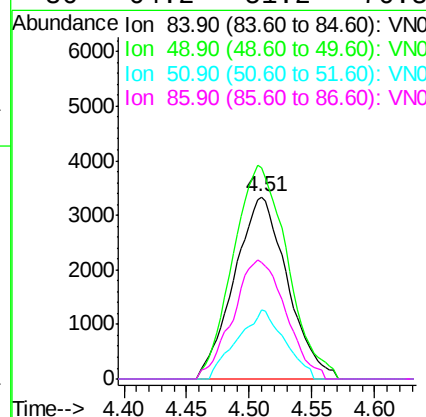
Tot Ion: 73 Resp: 14228
Ion Ratio Lower Upper
73 100
57 21.8 18.1 27.1

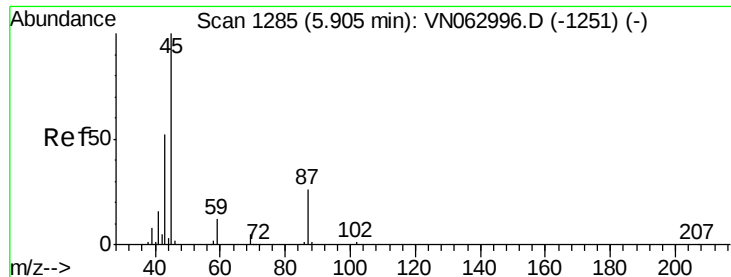


#20

Methylene Chloride
Concen: 4.508 ug/l
RT: 4.51 min Scan# 851
Delta R.T. 0.01 min
Lab File: VN063138.D
Acq: 26 Aug 2020 17:23

Tgt Ion: 84 Resp: 9822
Ion Ratio Lower Upper
84 100
49 116.2 98.7 148.1
51 37.7 30.8 46.2
86 64.2 51.2 76.8





#22

Diisopropyl ether

Concen: 1.648 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VN063138.D

Acq: 26 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

40617

Tot Ion: 45 Resp: 9191

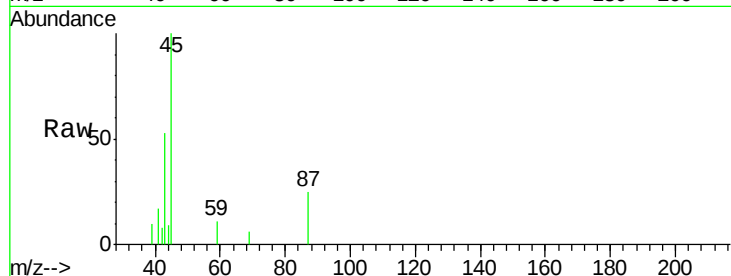
Ion Ratio Lower Upper

45 100

43 52.8 45.7 68.5

87 25.3 21.8 32.6

59 11.4 9.3 13.9

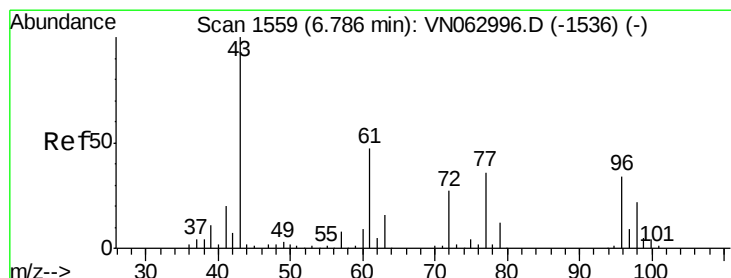
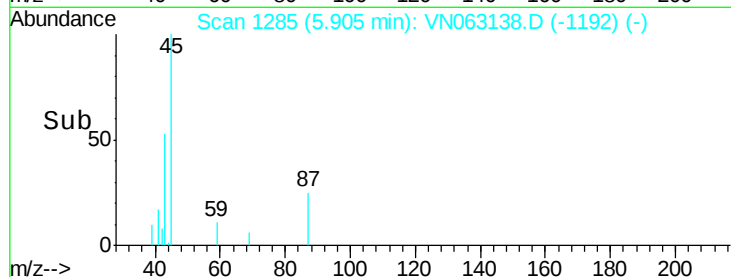
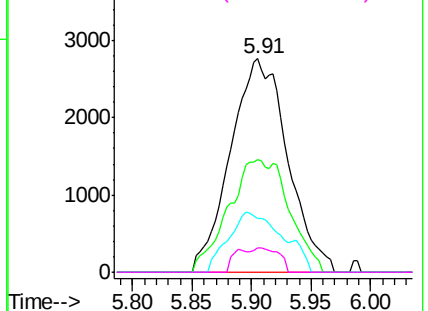


Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0



#25

2-Butanone

Concen: 11.833 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VN063138.D

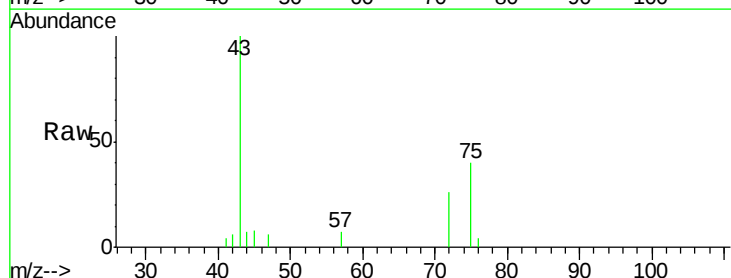
Acq: 26 Aug 2020 17:23

Tgt Ion: 43 Resp: 12228

Ion Ratio Lower Upper

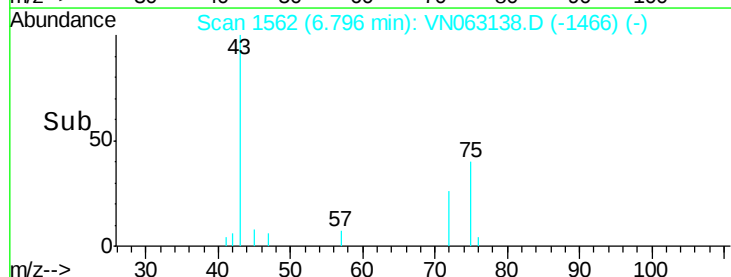
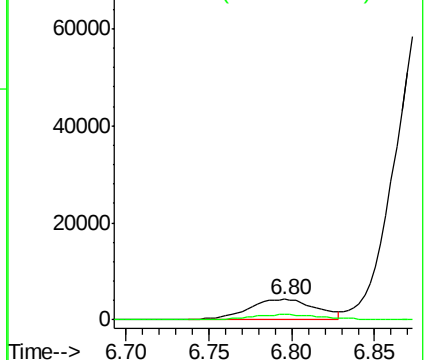
43 100

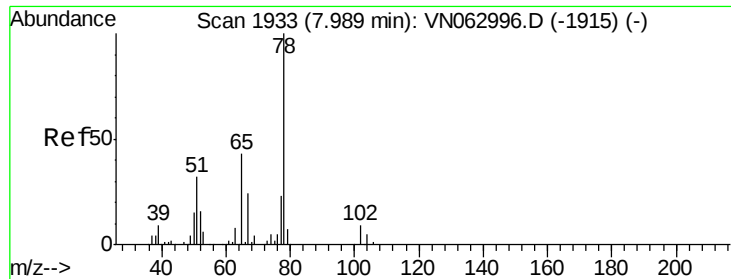
72 26.3 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 49.067 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN063138.D

Acq: 26 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

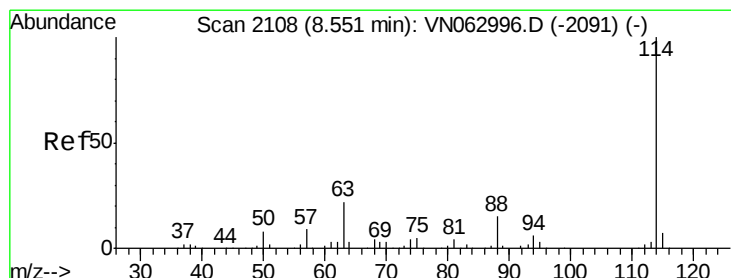
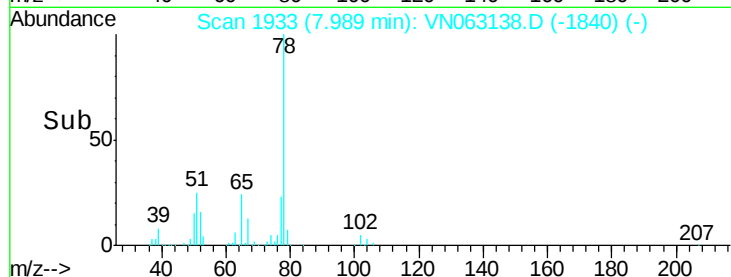
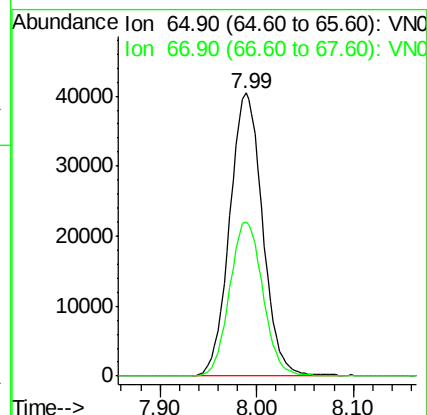
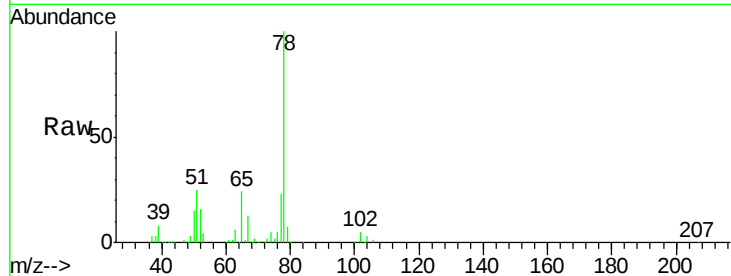
40617

Tot Ion: 65 Resp: 95504

Ion Ratio Lower Upper

65 100

67 54.7 0.0 112.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN063138.D

Acq: 26 Aug 2020 17:23

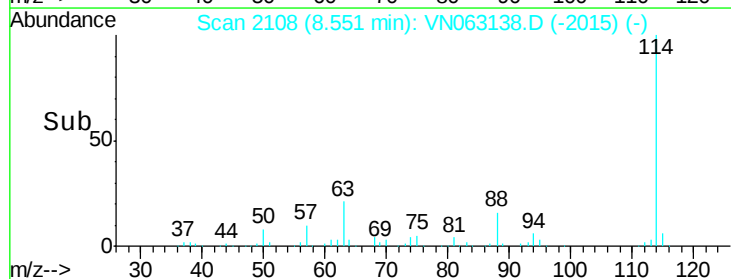
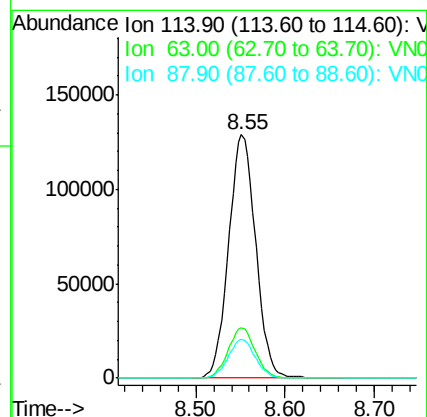
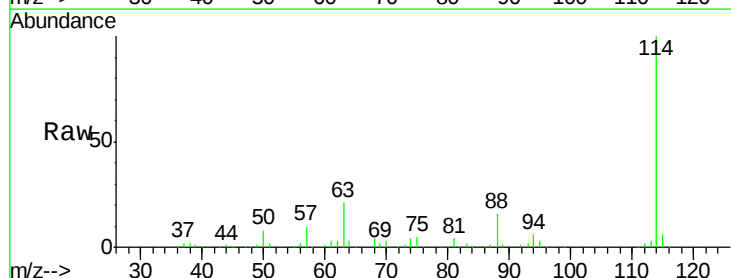
Tgt Ion: 114 Resp: 270805

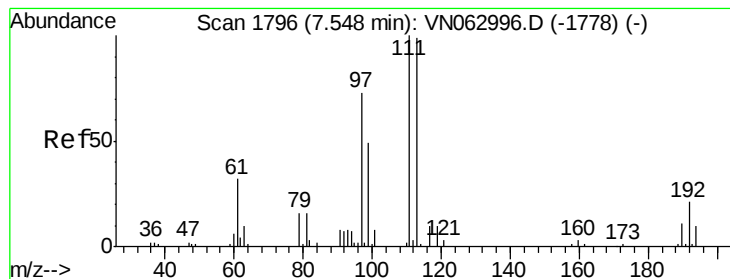
Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.2

88 15.8 0.0 30.6

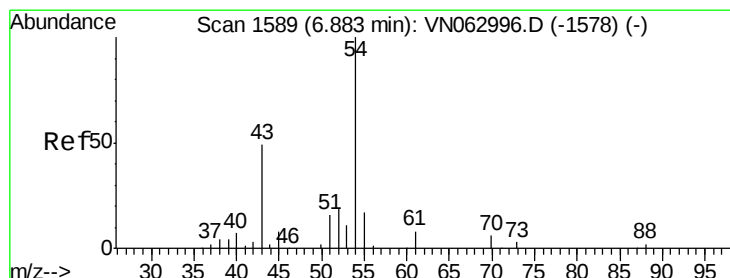
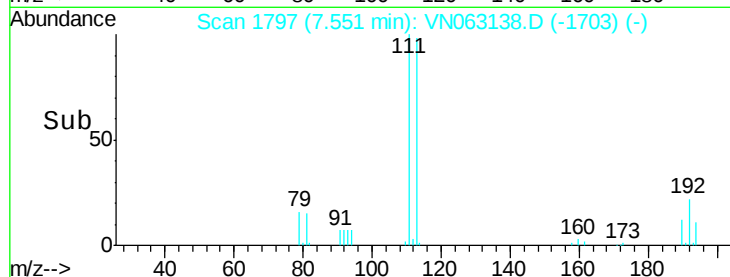
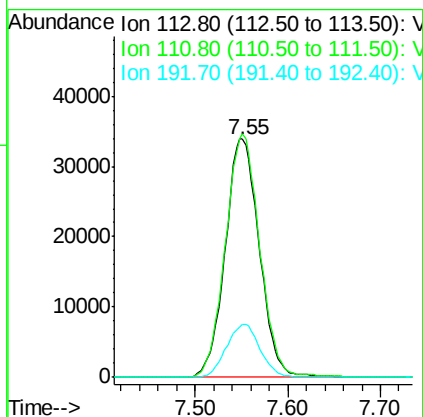
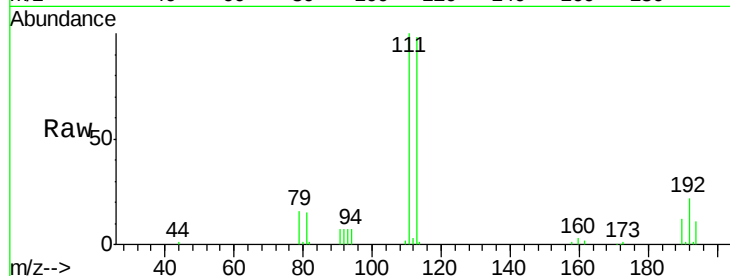




#35
 Dibromofluoromethane
 Concen: 49.066 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN063138.D
 Acq: 26 Aug 2020 17:23

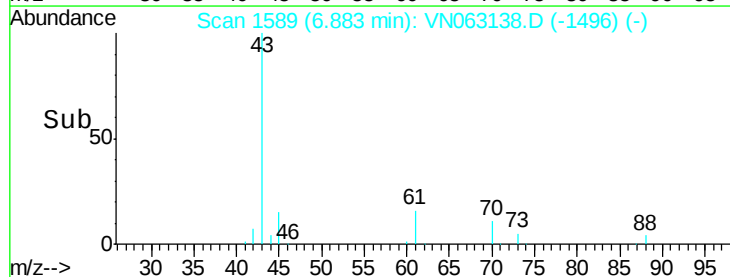
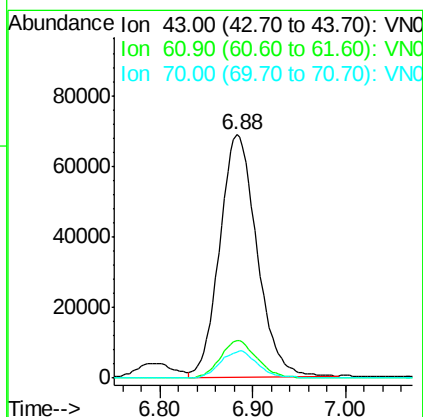
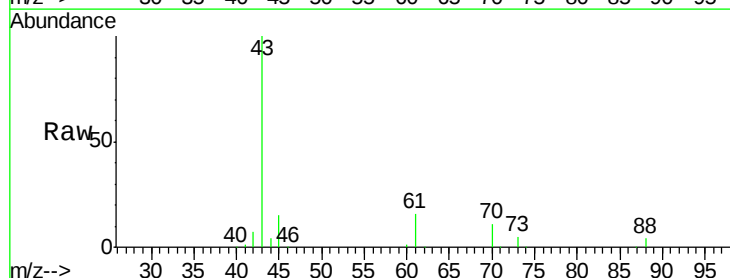
Instrument :
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 40617

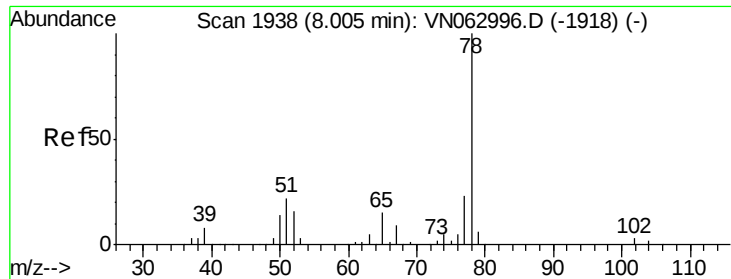
Tot Ion:113 Resp: 86580
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.7 122.5
 192 21.7 17.5 26.3



#37
 Ethyl Acetate
 Concen: 85.110 ug/l
 RT: 6.88 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VN063138.D
 Acq: 26 Aug 2020 17:23

Tgt Ion: 43 Resp: 190318
 Ion Ratio Lower Upper
 43 100
 61 15.3 11.8 17.8
 70 11.3 8.2 12.2





#40

Benzene

Concen: 88.561 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN063138.D

Acq: 26 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

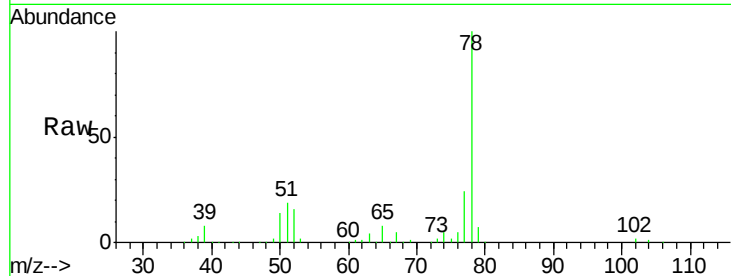
40617

Tot Ion: 78 Resp: 670325

Ion Ratio Lower Upper

78 100

77 24.0 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN062996.D (-1918) (-)

Ion 77.00 (76.70 to 77.70): VN062996.D (-1918) (-)

8.00

300000

250000

200000

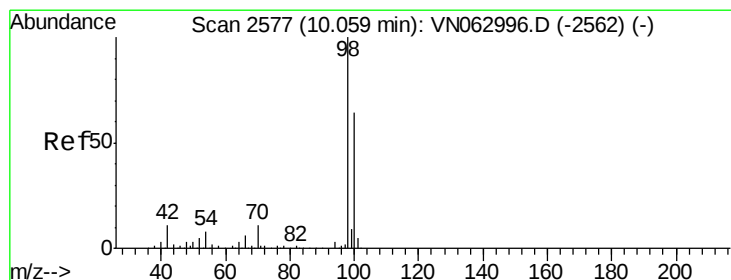
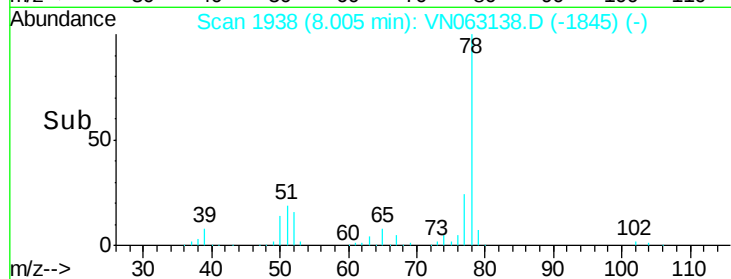
150000

100000

50000

0

Time-->



#50

Toluene-d8

Concen: 49.724 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN063138.D

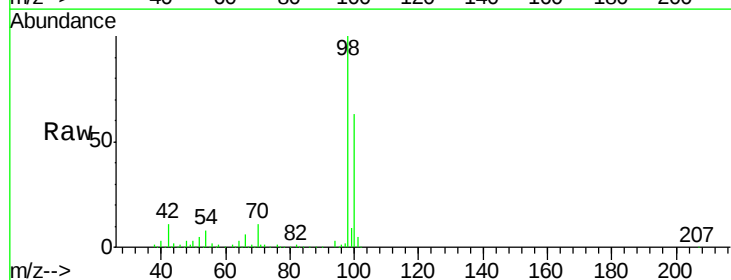
Acq: 26 Aug 2020 17:23

Tgt Ion: 98 Resp: 337019

Ion Ratio Lower Upper

98 100

100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062996.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062996.D (-2562) (-)

10.06

200000

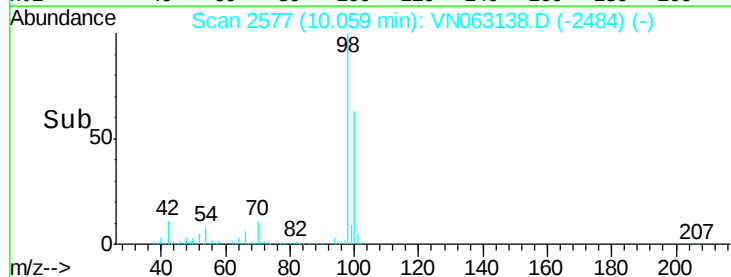
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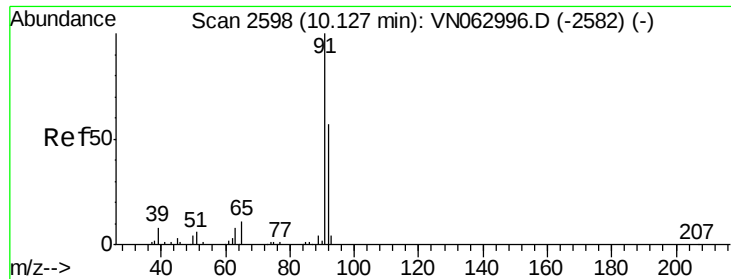
100000

50000

0

Time-->





#52

Toluene

Concen: 142.379 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN063138.D

Acq: 26 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

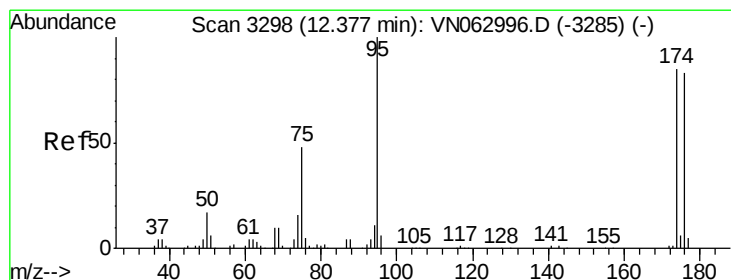
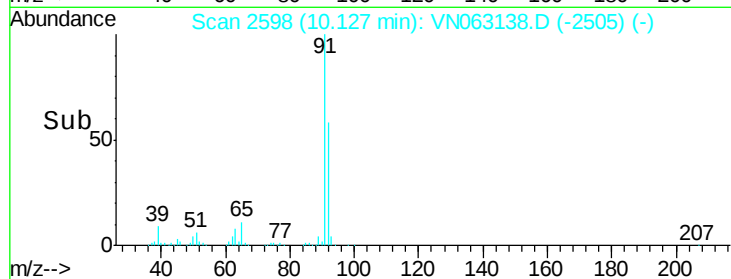
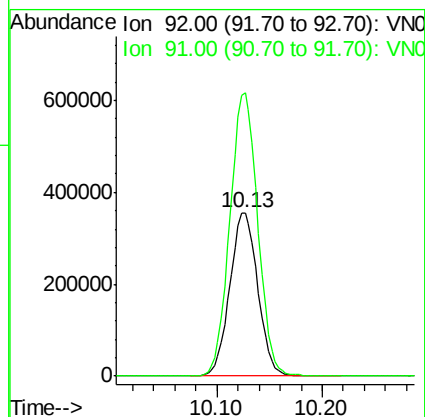
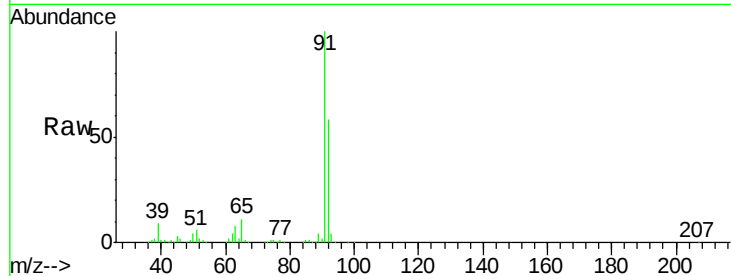
40617

Tot Ion: 92 Resp: 650094

Ion Ratio Lower Upper

92 100

91 173.4 139.2 208.8



#62

4-Bromofluorobenzene

Concen: 54.124 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN063138.D

Acq: 26 Aug 2020 17:23

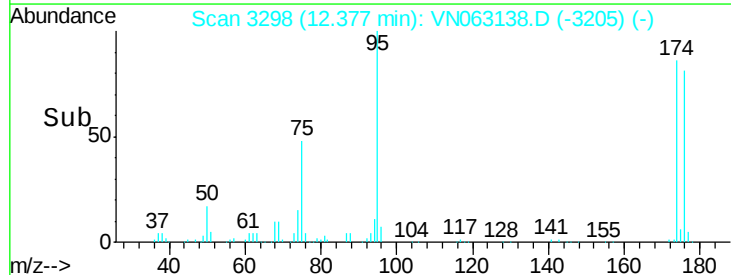
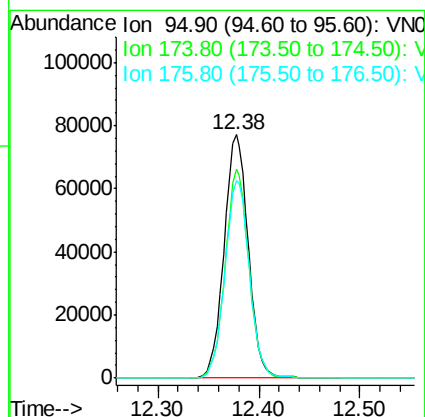
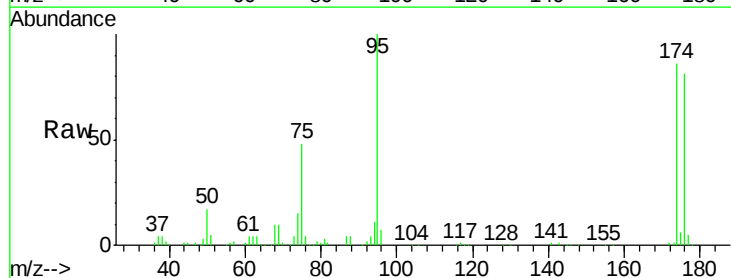
Tgt Ion: 95 Resp: 129452

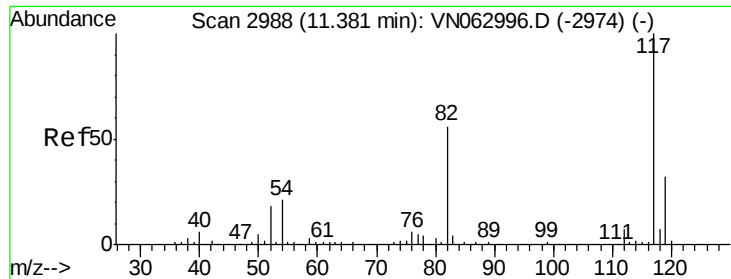
Ion Ratio Lower Upper

95 100

174 84.3 0.0 170.8

176 81.8 0.0 164.8

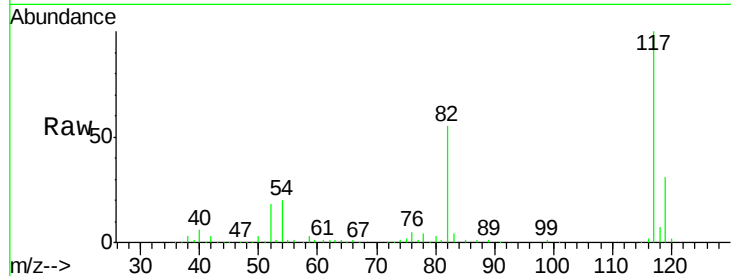




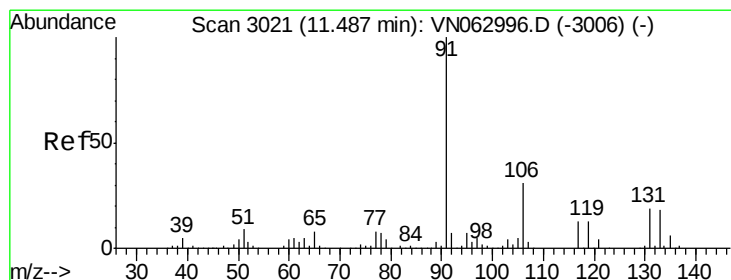
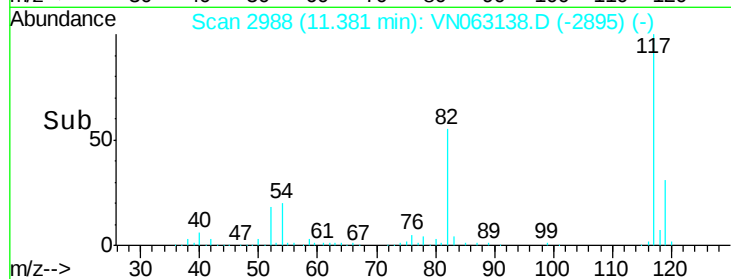
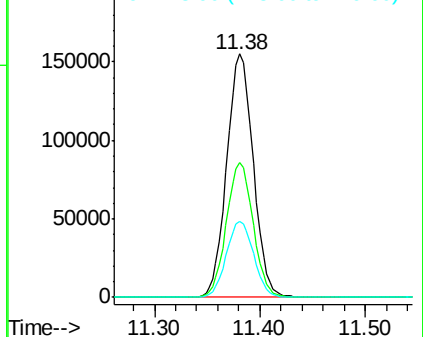
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063138.D
Acq: 26 Aug 2020 17:23

Instrument :
MSVOA_N
ClientSampled :
40617

Tot Ion:117 Resp: 270469
Ion Ratio Lower Upper
117 100
82 55.2 44.5 66.7
119 31.3 25.5 38.3

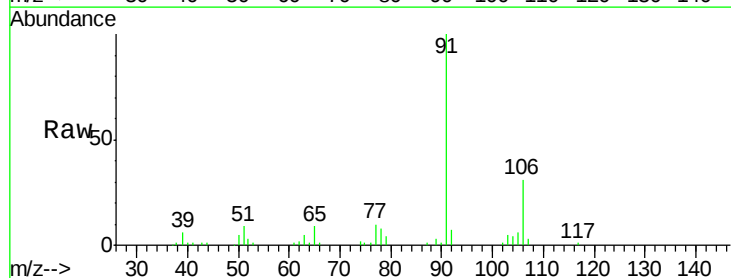


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

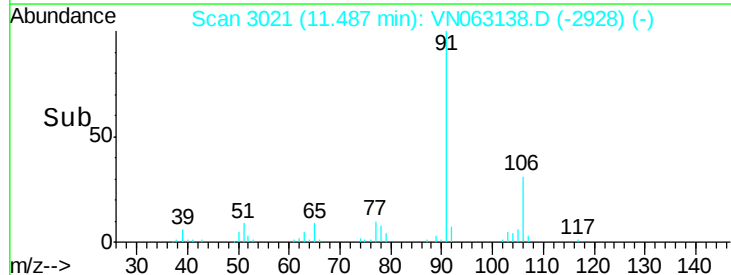
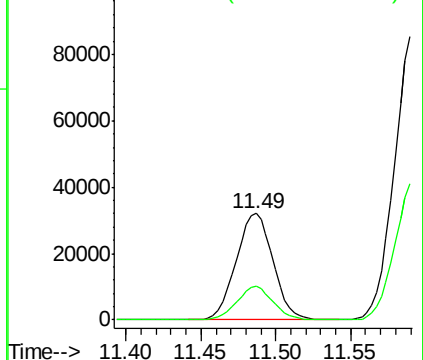


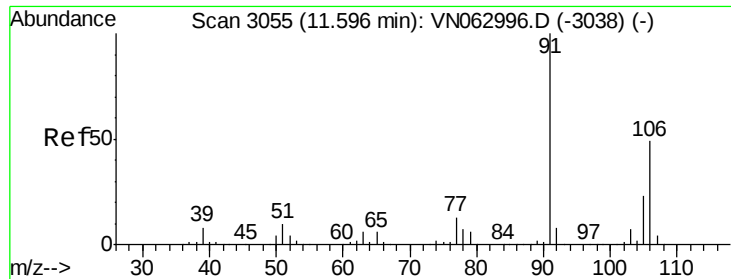
#67
Ethyl Benzene
Concen: 6.016 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN063138.D
Acq: 26 Aug 2020 17:23

Tgt Ion: 91 Resp: 55221
Ion Ratio Lower Upper
91 100
106 31.2 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

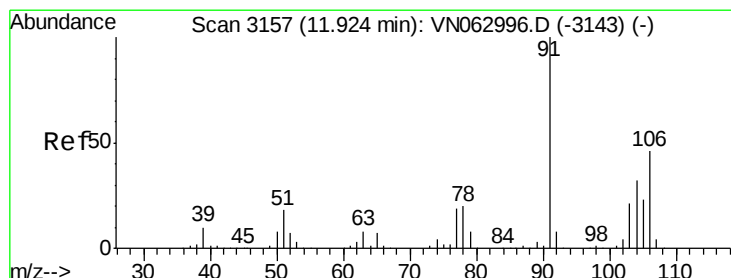
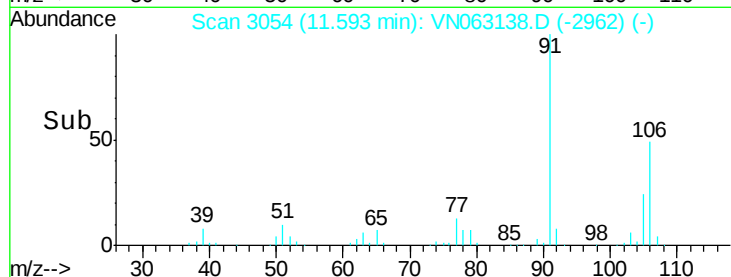
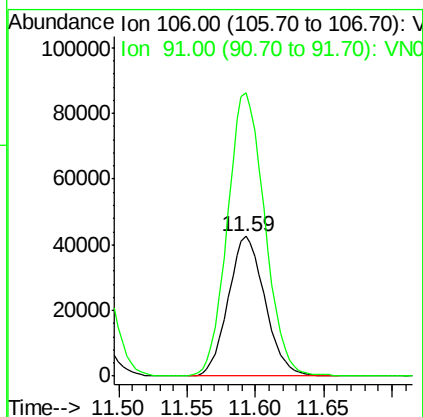
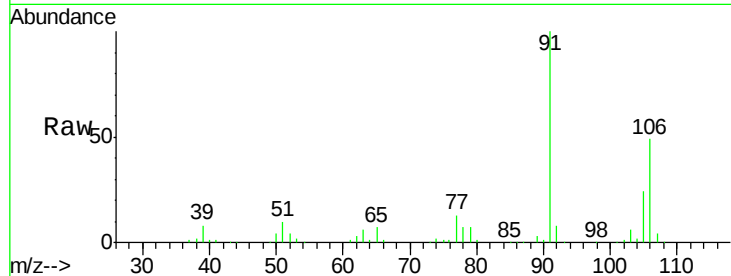




#68
m/p-Xylenes
Concen: 23.331 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN063138.D
Acq: 26 Aug 2020 17:23

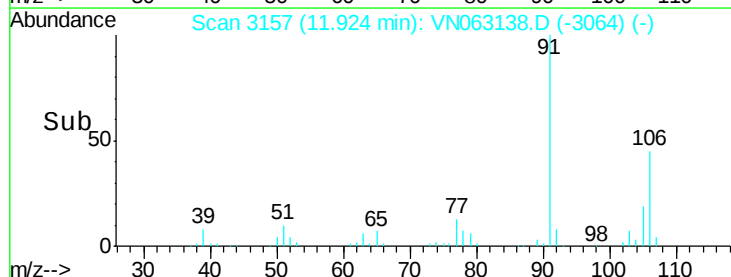
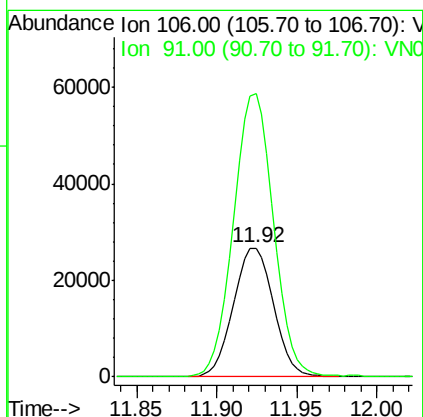
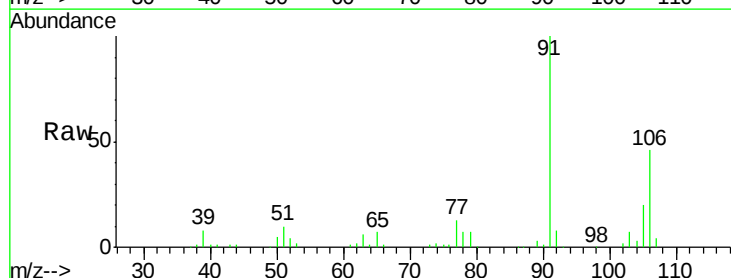
Instrument :
MSVOA_N
ClientSampled :
40617

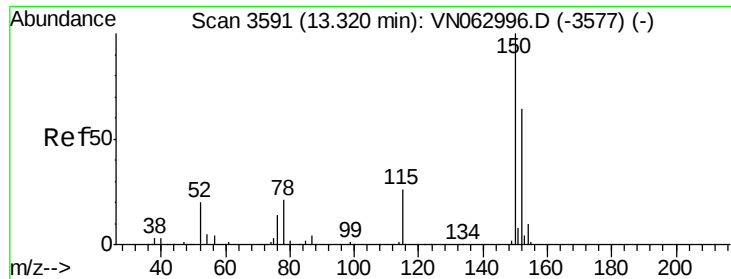
Tot Ion:106 Resp: 79592
Ion Ratio Lower Upper
106 100
91 204.7 163.0 244.4



#69
o-Xylene
Concen: 13.956 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. -0.00 min
Lab File: VN063138.D
Acq: 26 Aug 2020 17:23

Tgt Ion:106 Resp: 45717
Ion Ratio Lower Upper
106 100
91 218.0 107.3 321.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN063138.D

Acq: 26 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

40617

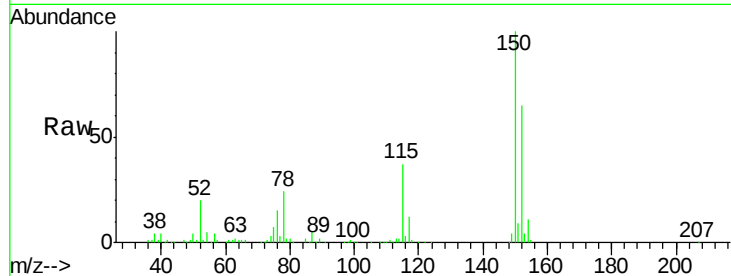
Tot Ion:152 Resp: 123074

Ion Ratio Lower Upper

152 100

115 57.4 28.7 86.3

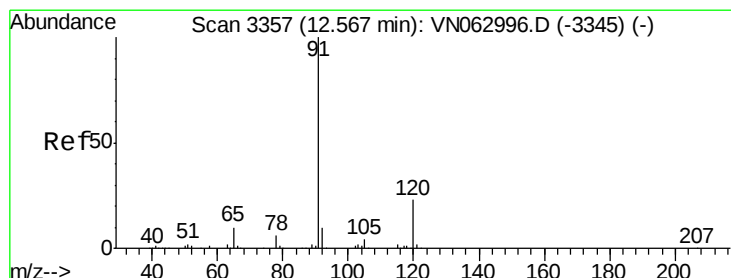
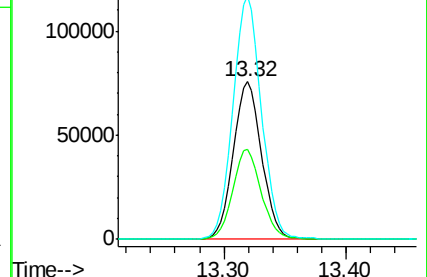
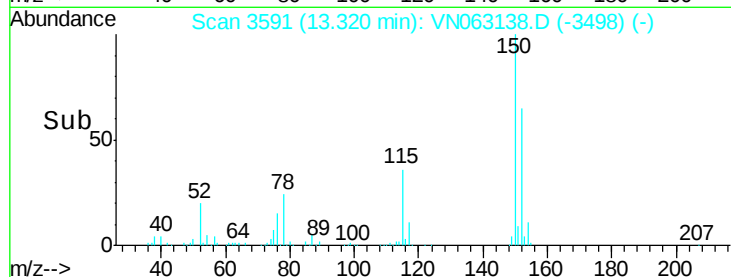
150 154.6 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#78

n-propylbenzene

Concen: 0.428 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN063138.D

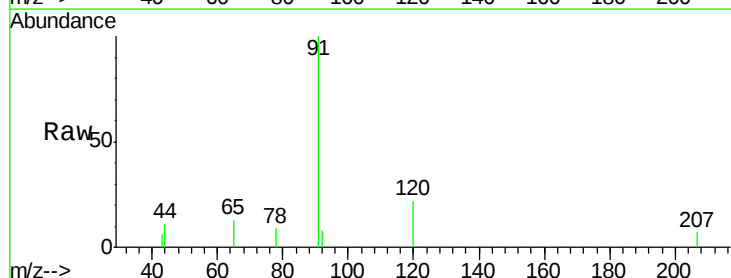
Acq: 26 Aug 2020 17:23

Tgt Ion: 91 Resp: 4109

Ion Ratio Lower Upper

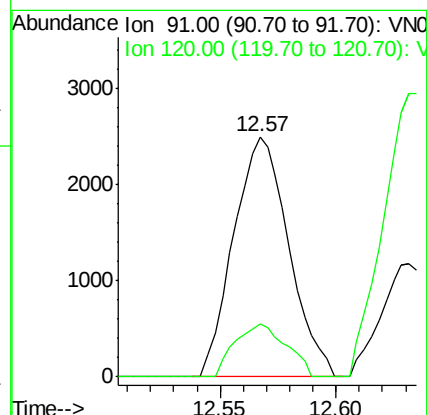
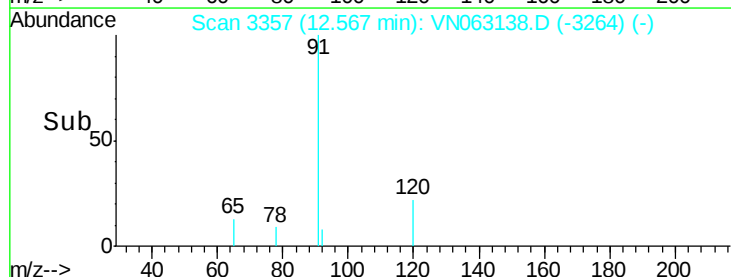
91 100

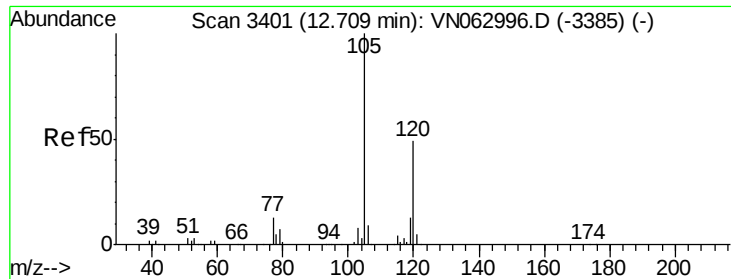
120 20.7 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 1.006 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN063138.D

Acq: 26 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

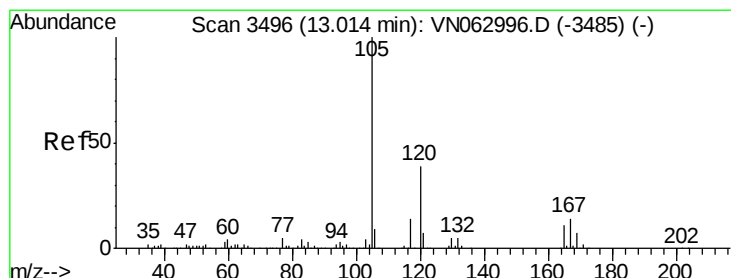
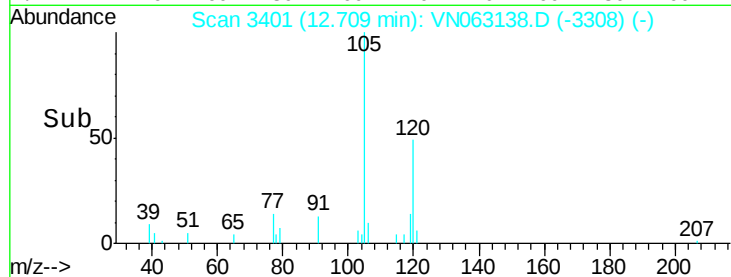
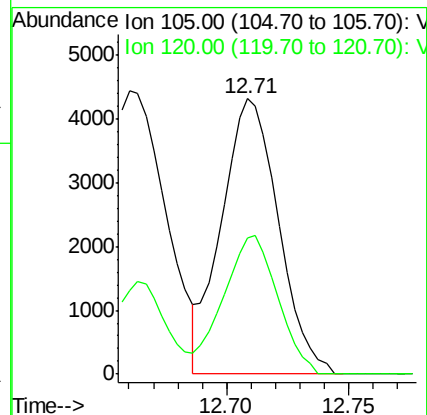
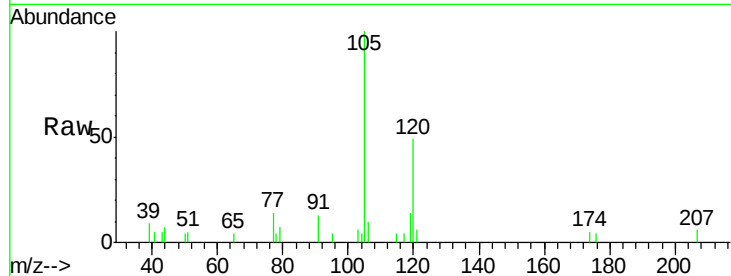
40617

Tot Ion:105 Resp: 7007

Ion Ratio Lower Upper

105 100

120 47.7 24.3 72.8



#84

1,2,4-Trimethylbenzene

Concen: 5.712 ug/l

RT: 13.02 min Scan# 3497

Delta R.T. 0.00 min

Lab File: VN063138.D

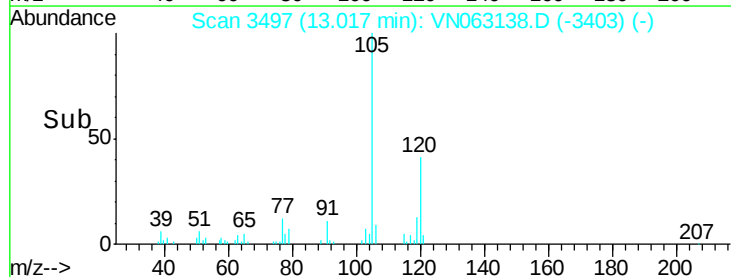
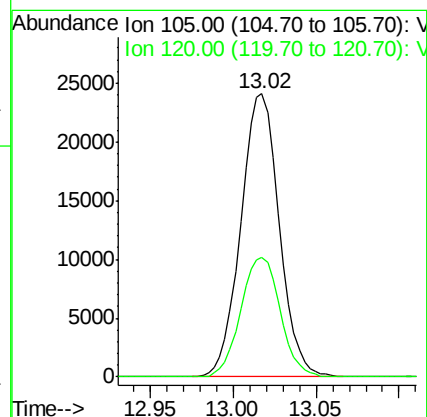
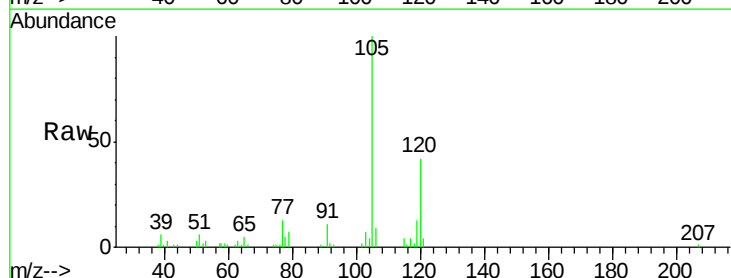
Acq: 26 Aug 2020 17:23

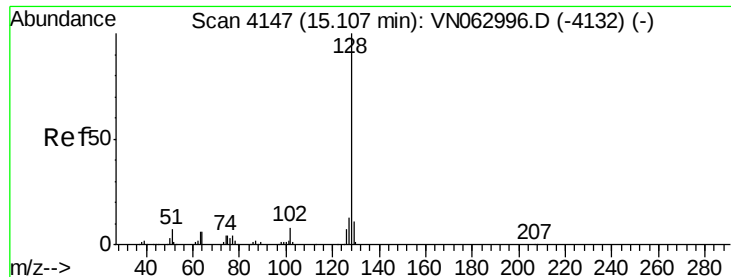
Tgt Ion:105 Resp: 38771

Ion Ratio Lower Upper

105 100

120 43.3 22.5 67.5





#95

Naphthalene

Concen: 13.529 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN063138.D

Acq: 26 Aug 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

40617

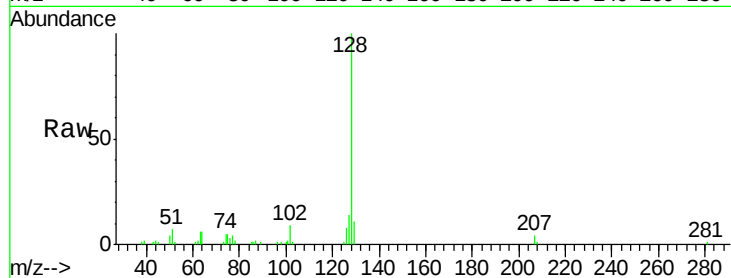
Tot Ion:128 Resp: 43655

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

129 10.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

