

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091820\
 Data File : VN063472.D
 Acq On : 18 Sep 2020 21:00
 Operator : JC/MD
 Sample : L3952-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 16718

Quant Time: Sep 21 03:08:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	273852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	498563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	494120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	246237	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	214209	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
35) Dibromofluoromethane	7.55	113	153584	44.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.00%	
50) Toluene-d8	10.06	98	621021	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
62) 4-Bromofluorobenzene	12.38	95	271641	57.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.20%	

Target Compounds

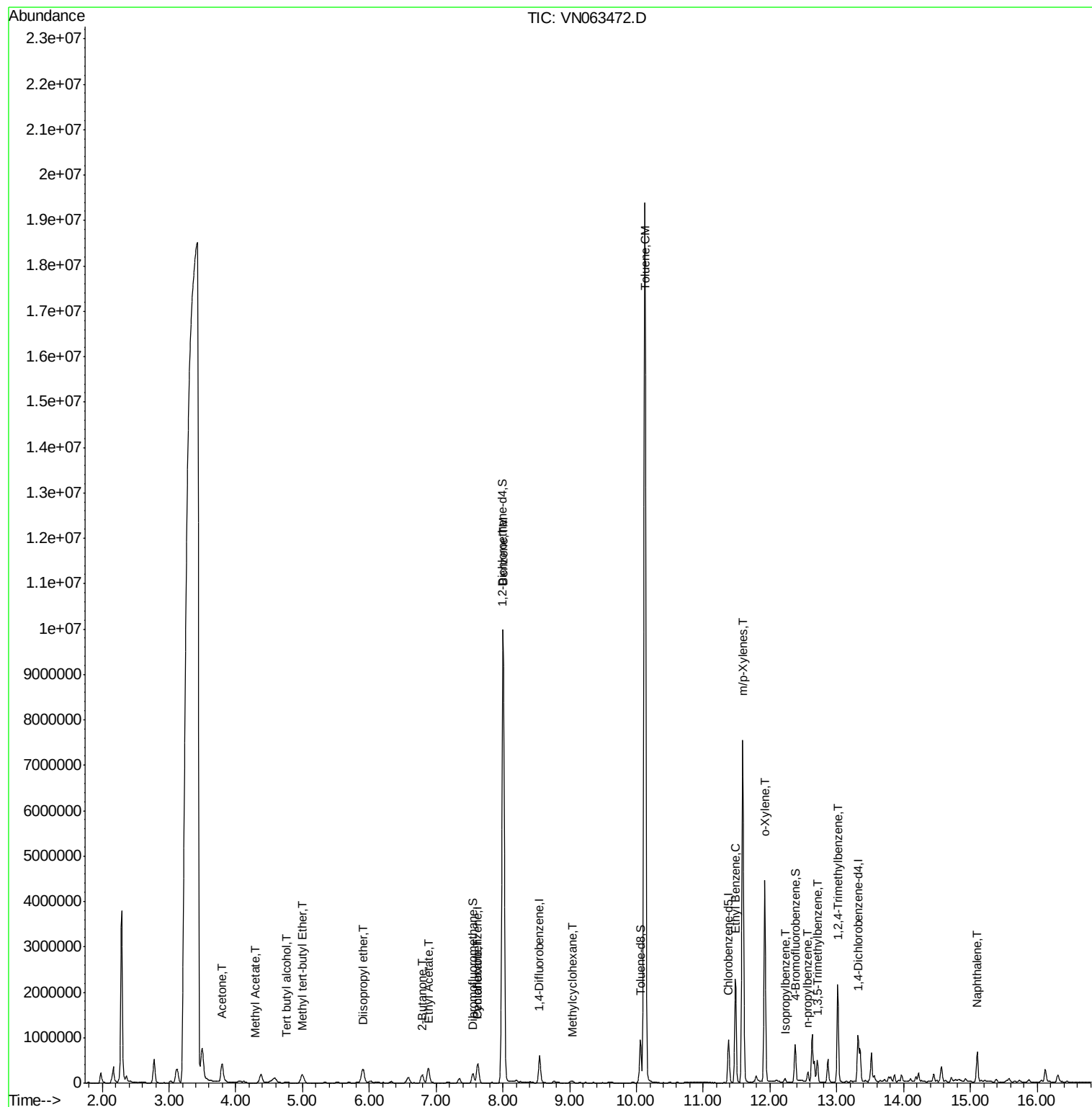
						Qvalue
11) Tert butyl alcohol	4.76	59	44229	68.486	ug/l	98
16) Acetone	3.79	43	690208	460.696	ug/l	100
18) Methyl Acetate	4.29	43	7724	2.031	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	245912	21.350	ug/l #	73
22) Diisopropyl ether	5.90	45	389359	31.231	ug/l #	88
25) 2-Butanone	6.79	43	324771	140.949	ug/l	100
31) Cyclohexane	7.61	56	54612	8.482	ug/l #	94
37) Ethyl Acetate	6.88	43	544645	104.478	ug/l	98
39) Methylcyclohexane	9.05	83	14620	2.536	ug/l	97
40) Benzene	8.00	78	9609918	633.805	ug/l #	78
52) Toluene	10.13	92	8801943	965.537	ug/l #	64
67) Ethyl Benzene	11.48	91	1645775	83.320	ug/l	99
68) m/p-Xylenes	11.59	106	2368919	332.633	ug/l	93
69) o-Xylene	11.92	106	1178488	173.711	ug/l	97
73) Isopropylbenzene	12.22	105	51155	2.592	ug/l	99
78) n-propylbenzene	12.57	91	171293	7.453	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	252428	15.341	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	1201903	72.317	ug/l	99
95) Naphthalene	15.10	128	526248	33.452	ug/l	100

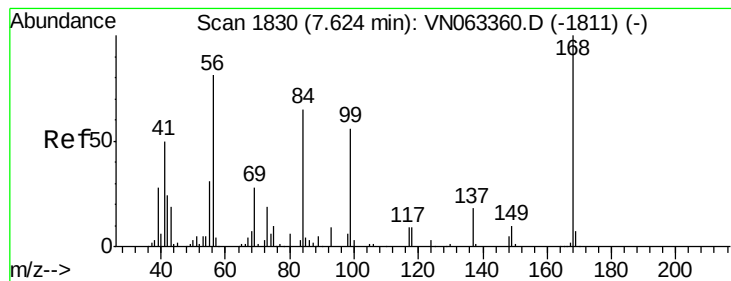
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063472.D

Acq: 18 Sep 2020 21:00

Instrument :

MSVOA_N

ClientSampled :

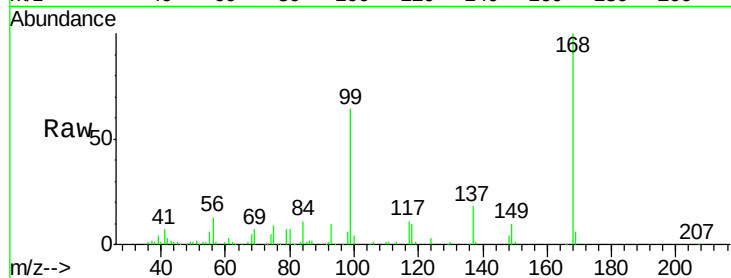
16718

Tot Ion:168 Resp: 273852

Ion Ratio Lower Upper

168 100

99 64.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

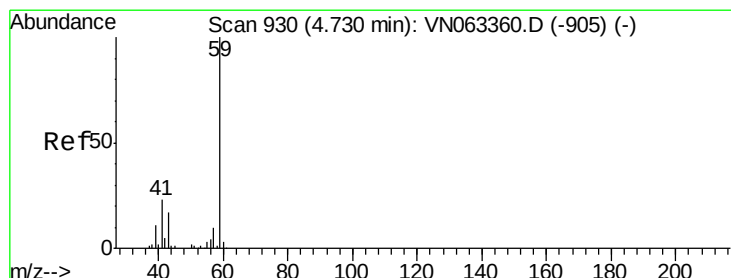
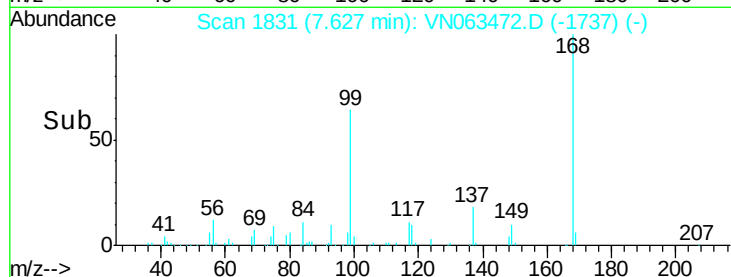
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 68.486 ug/l

RT: 4.76 min Scan# 939

Delta R.T. 0.03 min

Lab File: VN063472.D

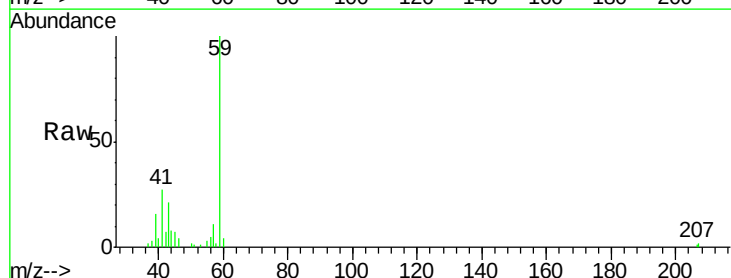
Acq: 18 Sep 2020 21:00

Tgt Ion: 59 Resp: 44229

Ion Ratio Lower Upper

59 100

57 11.2 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

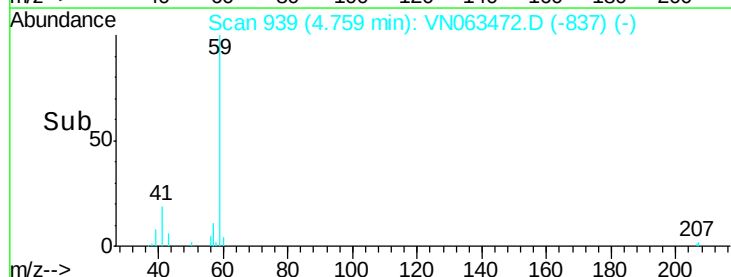
4.76

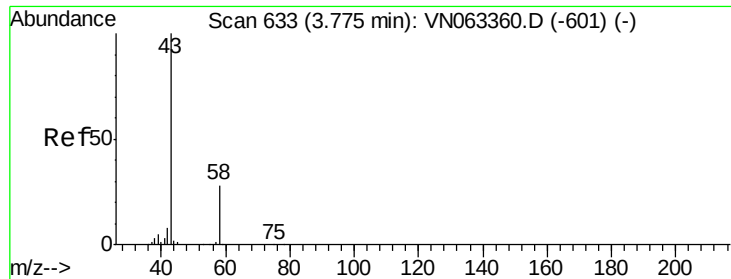
10000

5000

0

Time--> 4.60 4.70 4.80 4.90





#16

Acetone

Concen: 460.696 ug/l

RT: 3.79 min Scan# 639

Delta R.T. 0.02 min

Lab File: VN063472.D

Acq: 18 Sep 2020 21:00

Instrument :

MSVOA_N

ClientSampled :

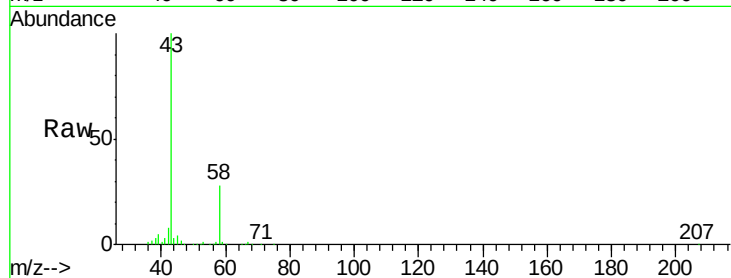
16718

Tot Ion: 43 Resp: 690208

Ion Ratio Lower Upper

43 100

58 27.9 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-601) (-)

3.79

250000

200000

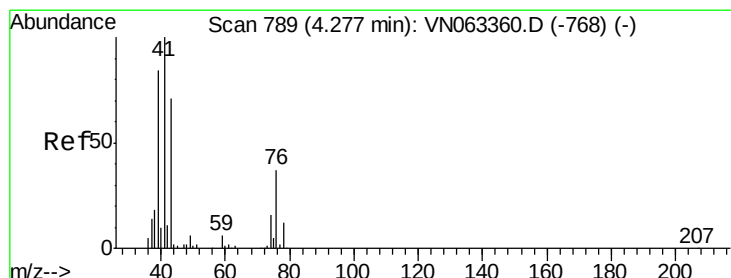
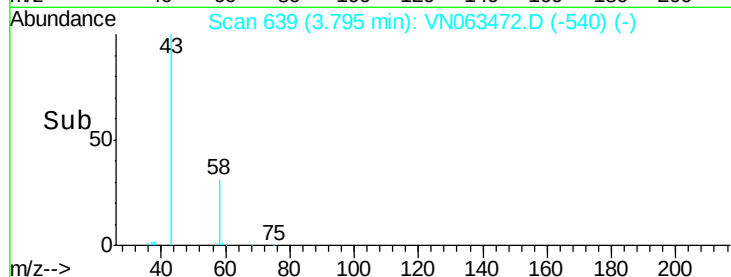
150000

100000

50000

0

Time--> 3.60 3.70 3.80 3.90



#18

Methyl Acetate

Concen: 2.031 ug/l

RT: 4.29 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN063472.D

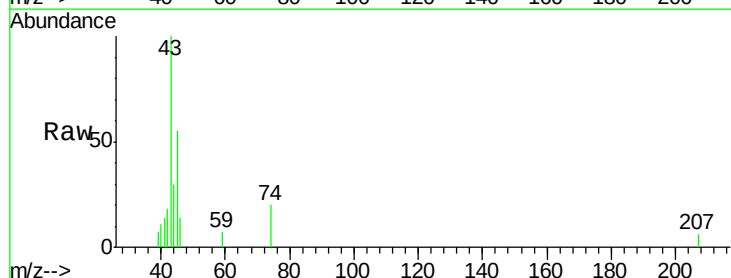
Acq: 18 Sep 2020 21:00

Tgt Ion: 43 Resp: 7724

Ion Ratio Lower Upper

43 100

74 22.4 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-768) (-)

Ion 74.00 (73.70 to 74.70): VN063360.D (-768) (-)

4.29

4000

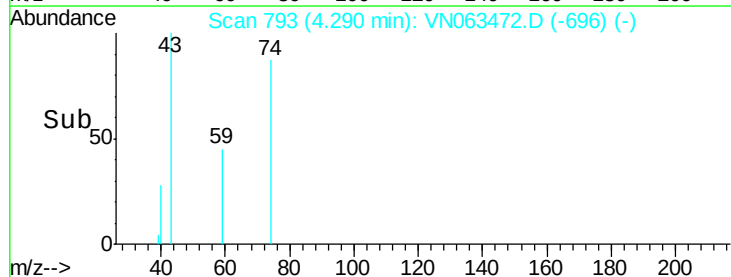
3000

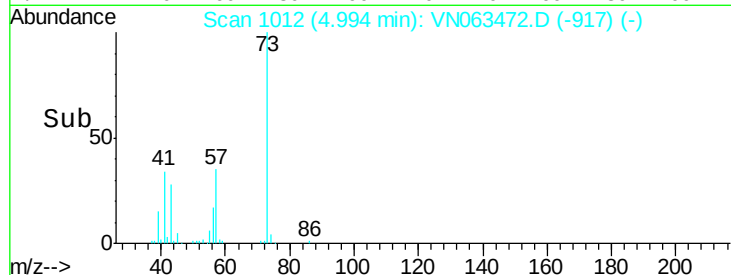
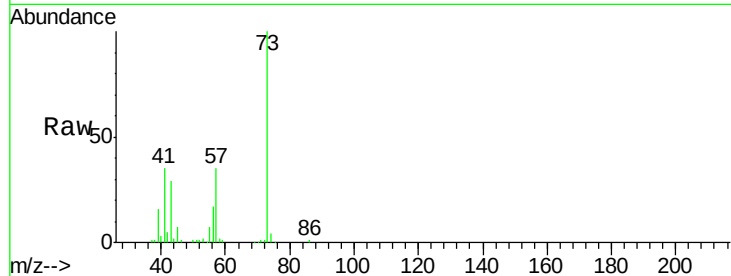
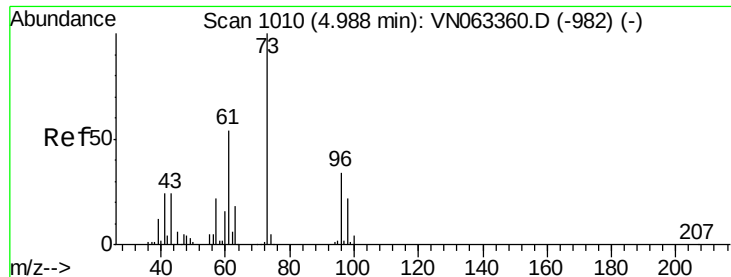
2000

1000

0

Time--> 4.20 4.25 4.30 4.35





#19

Methyl tert-butyl Ether

Concen: 21.350 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VN063472.D

Acq: 18 Sep 2020 21:00

Instrument :

MSVOA_N

ClientSampled :

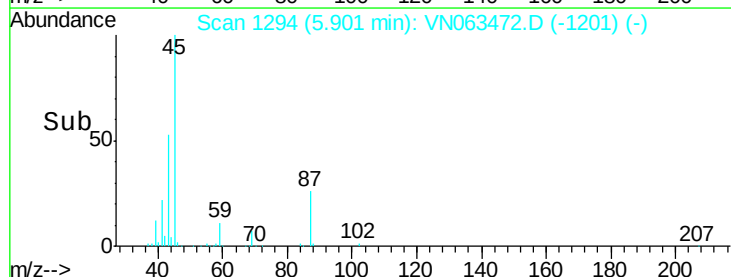
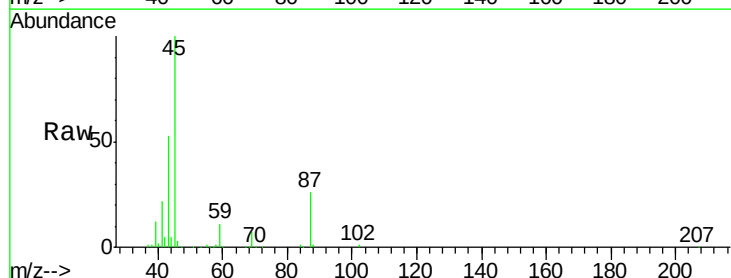
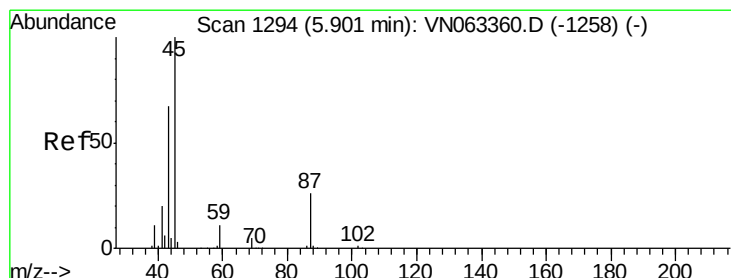
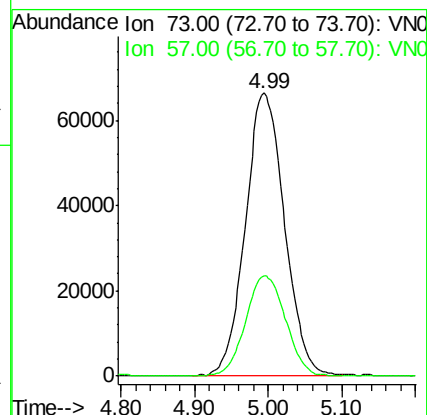
16718

Tot Ion: 73 Resp: 245912

Ion Ratio Lower Upper

73 100

57 35.5 17.9 26.9#



#22

Diisopropyl ether

Concen: 31.231 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN063472.D

Acq: 18 Sep 2020 21:00

Tgt Ion: 45 Resp: 389359

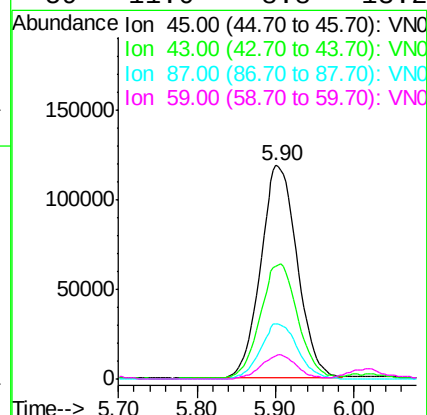
Ion Ratio Lower Upper

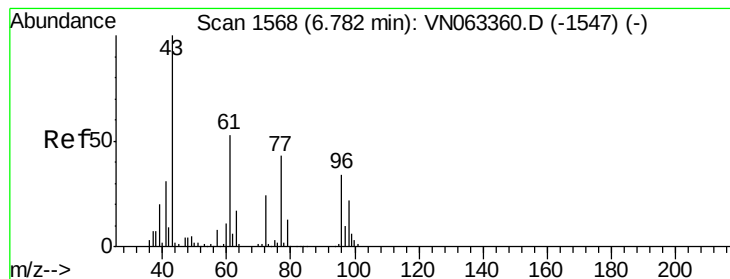
45 100

43 52.6 53.5 80.3#

87 26.1 21.2 31.8

59 11.0 8.8 13.2





#25

2-Butanone

Concen: 140.949 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN063472.D

Acq: 18 Sep 2020 21:00

Instrument :

MSVOA_N

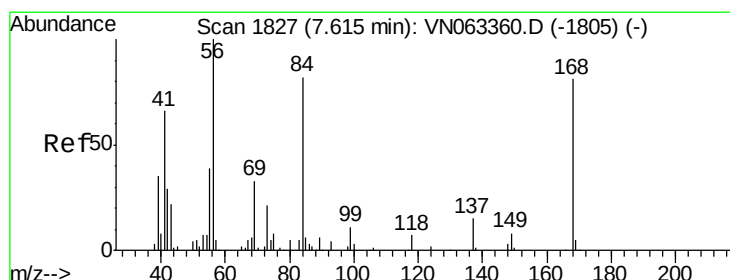
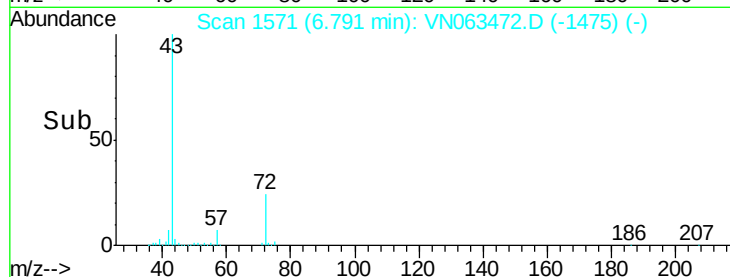
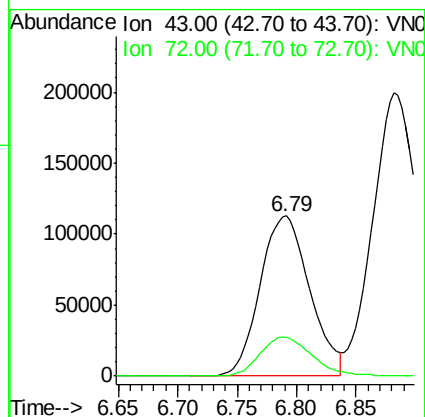
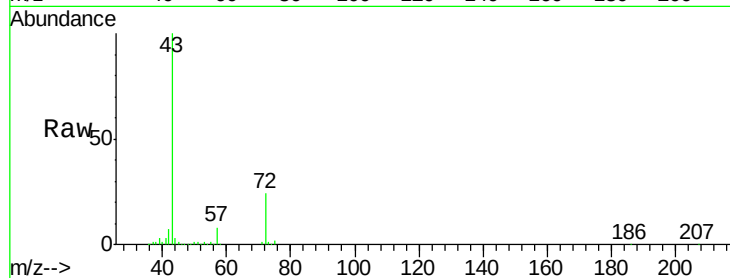
ClientSampled :
16718

Tot Ion: 43 Resp: 324771

Ion Ratio Lower Upper

43 100

72 24.2 19.2 28.8



#31

Cyclohexane

Concen: 8.482 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN063472.D

Acq: 18 Sep 2020 21:00

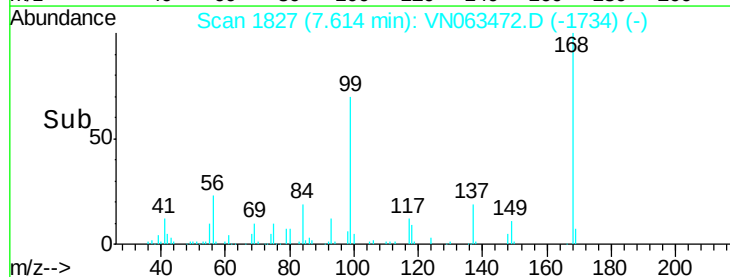
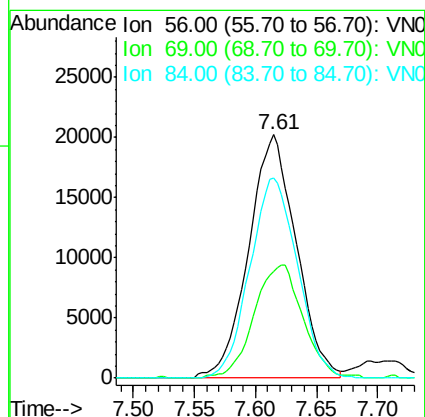
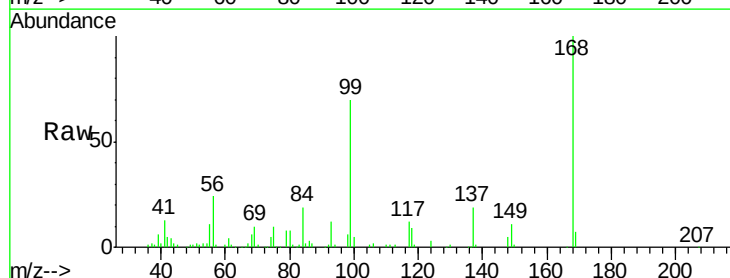
Tgt Ion: 56 Resp: 54612

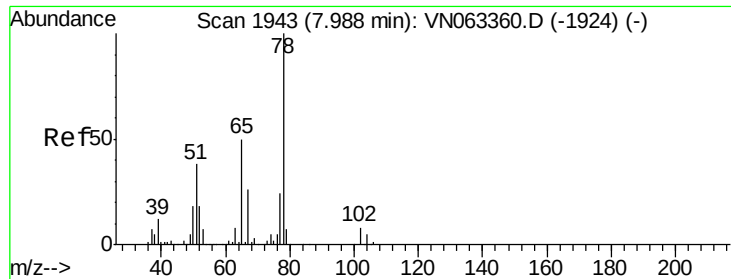
Ion Ratio Lower Upper

56 100

69 44.0 26.1 39.1#

84 82.2 65.4 98.2

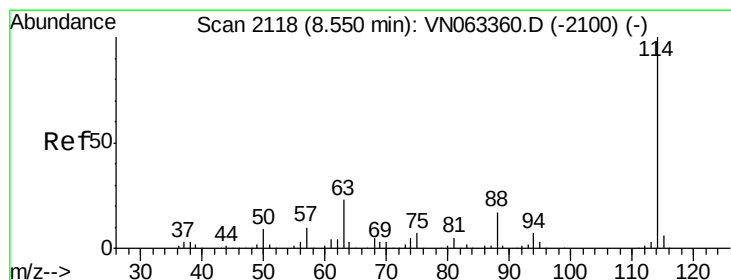
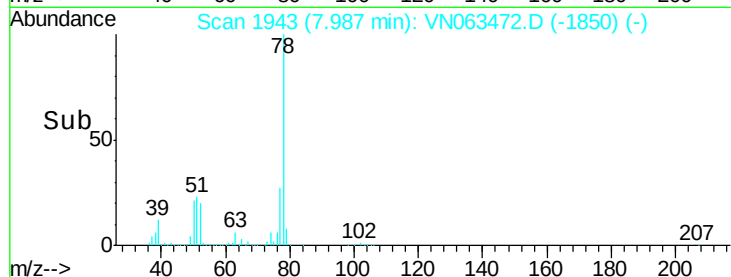
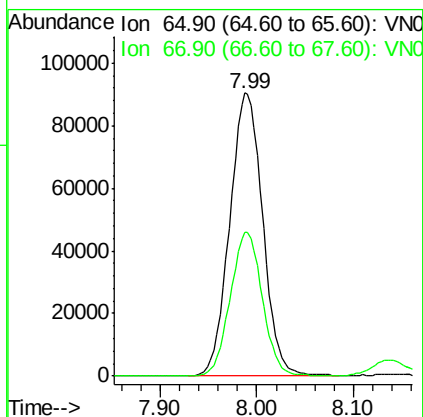
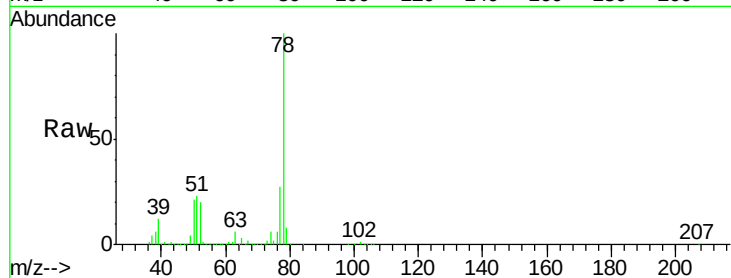




#33
 1,2-Dichloroethane-d4
 Concen: 45.951 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063472.D
 Acq: 18 Sep 2020 21:00

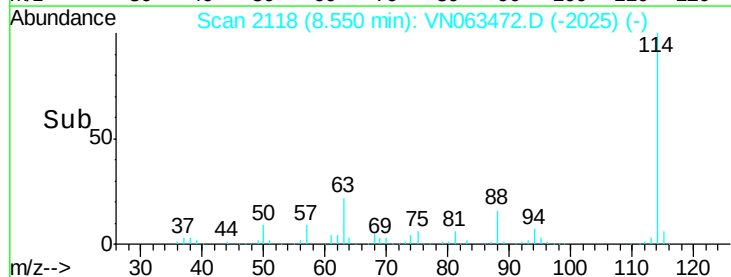
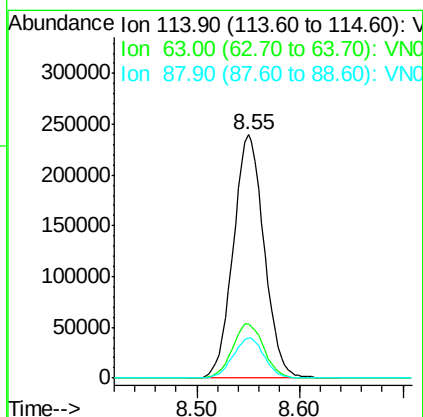
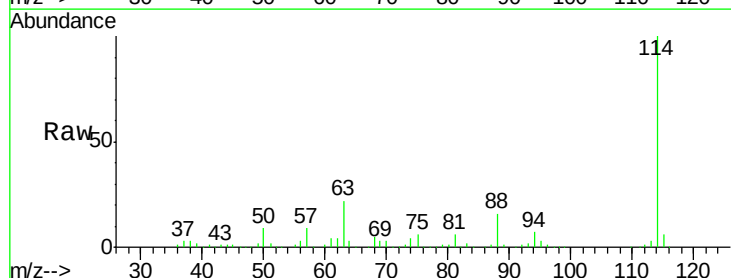
Instrument :
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 16718

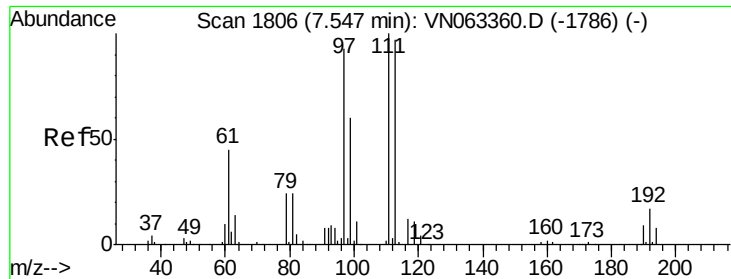
Tot Ion: 65 Resp: 214209
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063472.D
 Acq: 18 Sep 2020 21:00

Tgt Ion: 114 Resp: 498563
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 46.4
 88 16.4 0.0 33.2

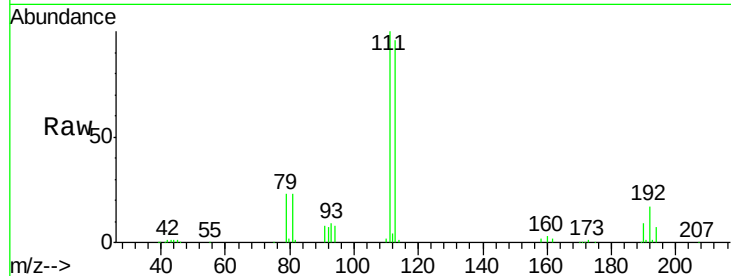




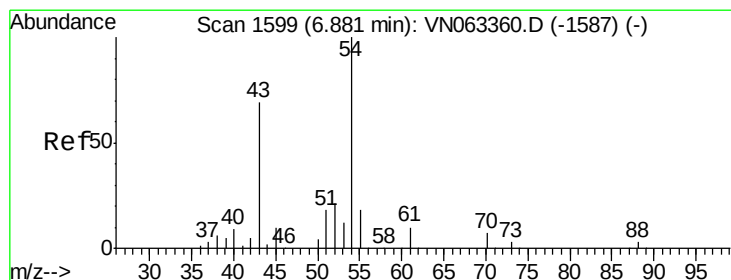
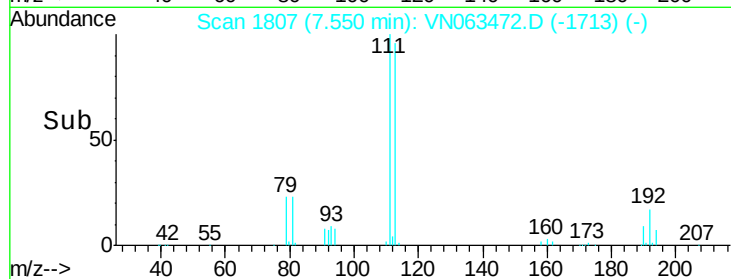
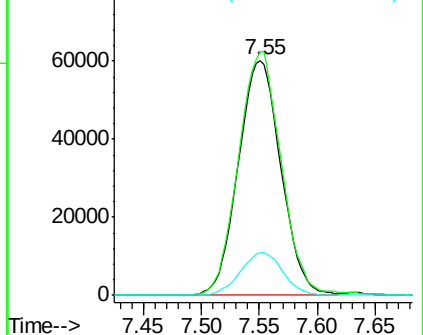
#35
Dibromofluoromethane
Concen: 44.498 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063472.D
Acq: 18 Sep 2020 21:00

Instrument :
MSVOA_N
ClientSampleId :
16718

Tot Ion:113 Resp: 153584
Ion Ratio Lower Upper
113 100
111 104.3 82.9 124.3
192 18.1 13.9 20.9

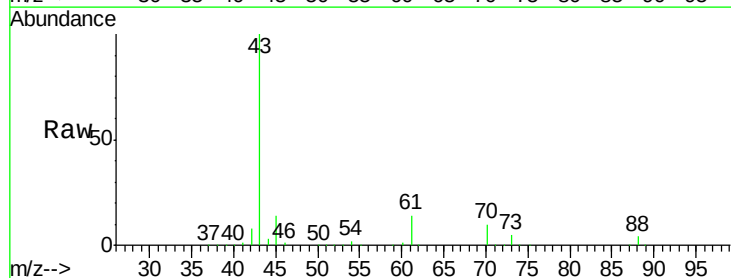


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

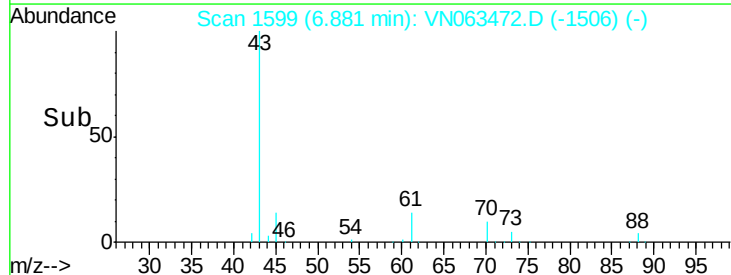
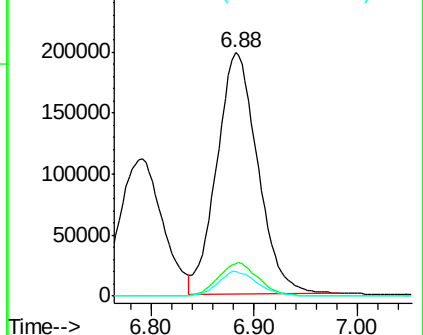


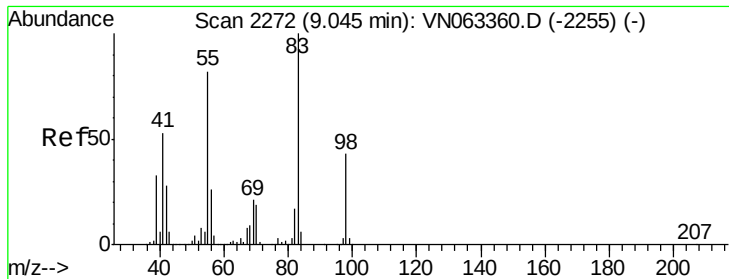
#37
Ethyl Acetate
Concen: 104.478 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063472.D
Acq: 18 Sep 2020 21:00

Tgt Ion: 43 Resp: 544645
Ion Ratio Lower Upper
43 100
61 13.7 10.6 15.8
70 10.1 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 60.90 (60.60 to 61.60): V
Ion 70.00 (69.70 to 70.70): V

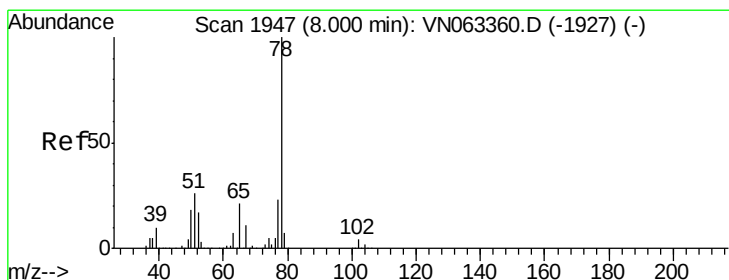
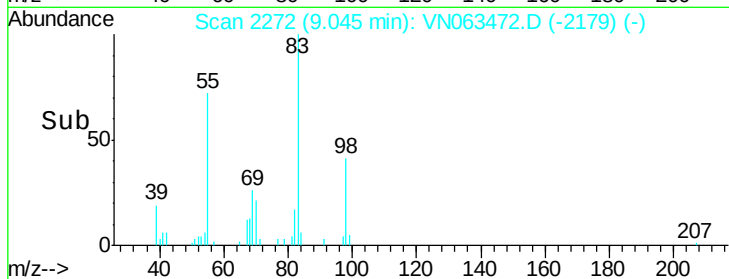
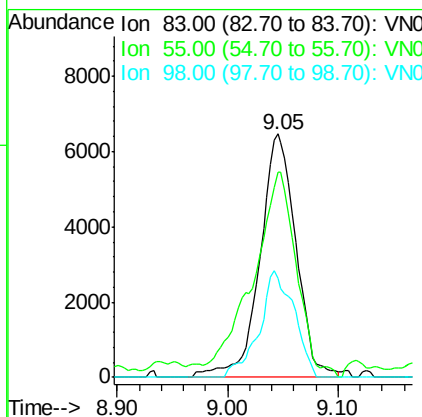
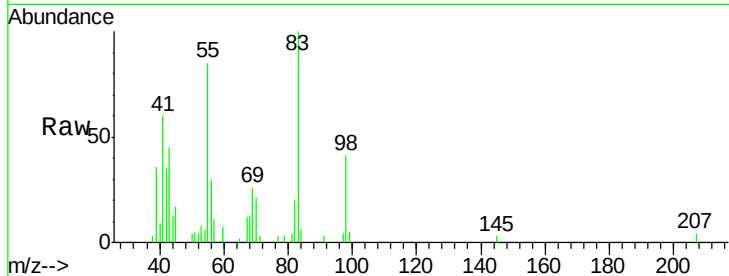




#39
Methylvlcyclohexane
Concen: 2.536 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063472.D
Acq: 18 Sep 2020 21:00

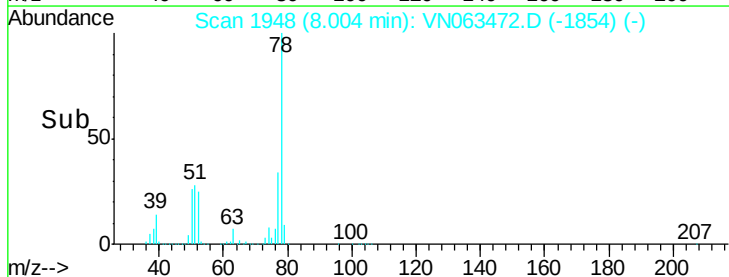
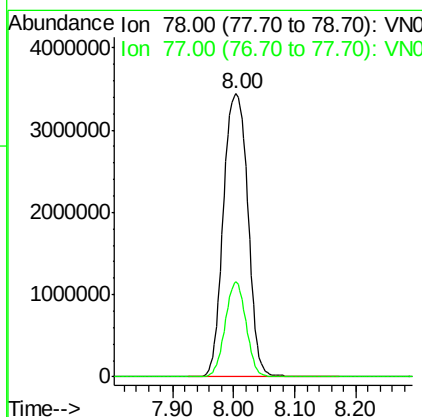
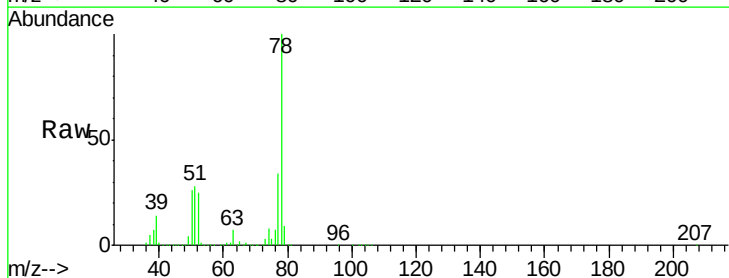
Instrument :
MSVOA_N
ClientSampleId :
16718

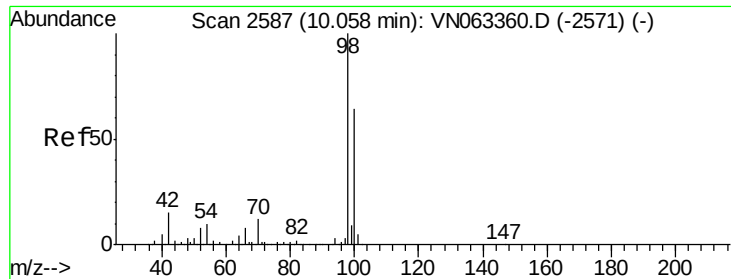
Tot Ion: 83 Resp: 14620
Ion Ratio Lower Upper
83 100
55 84.5 65.5 98.3
98 40.5 34.2 51.4



#40
Benzene
Concen: 633.805 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063472.D
Acq: 18 Sep 2020 21:00

Tgt Ion: 78 Resp: 9609918
Ion Ratio Lower Upper
78 100
77 33.7 18.3 27.5#





#50

Toluene-d8

Concen: 47.852 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063472.D

Acq: 18 Sep 2020 21:00

Instrument :

MSVOA_N

ClientSampleId :

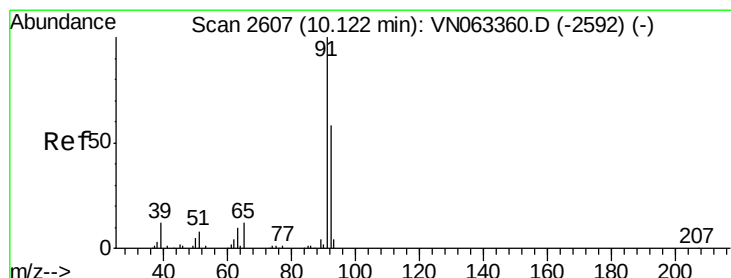
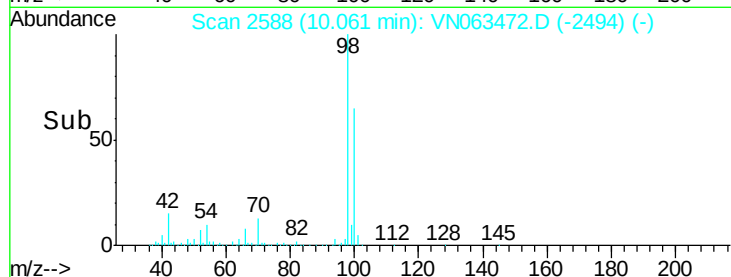
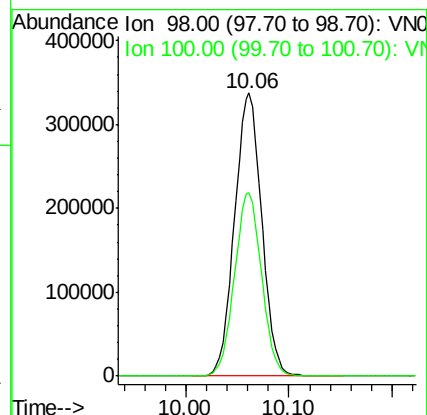
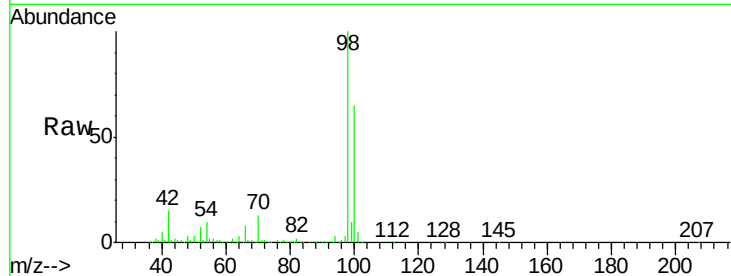
16718

Tot Ion: 98 Resp: 621021

Ion Ratio Lower Upper

98 100

100 64.4 50.7 76.1



#52

Toluene

Concen: 965.537 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063472.D

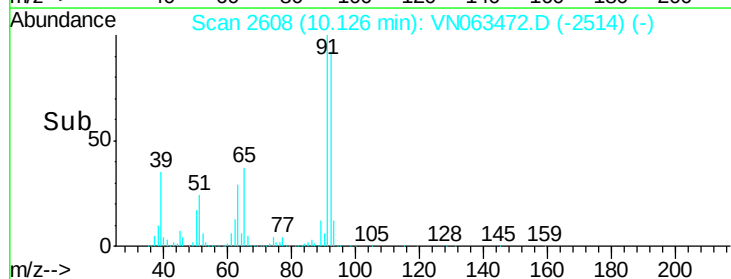
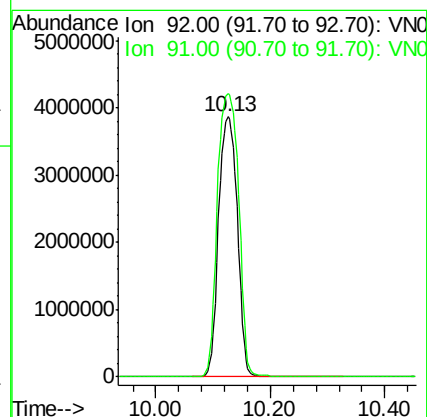
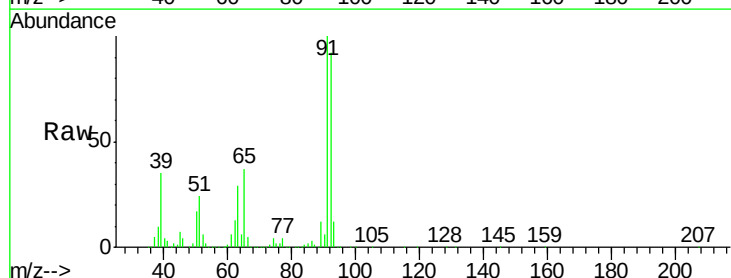
Acq: 18 Sep 2020 21:00

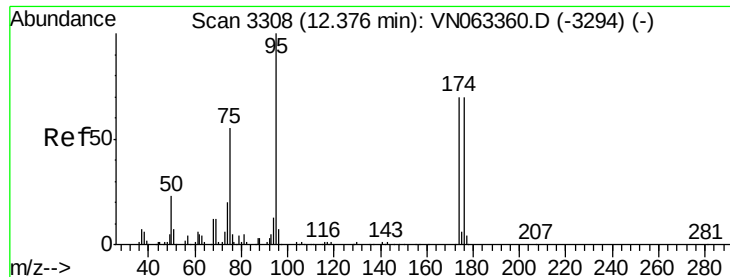
Tgt Ion: 92 Resp: 8801943

Ion Ratio Lower Upper

92 100

91 123.9 139.7 209.5#





#62

4-Bromofluorobenzene

Concen: 57.097 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063472.D

Acq: 18 Sep 2020 21:00

Instrument :

MSVOA_N

ClientSampled :

16718

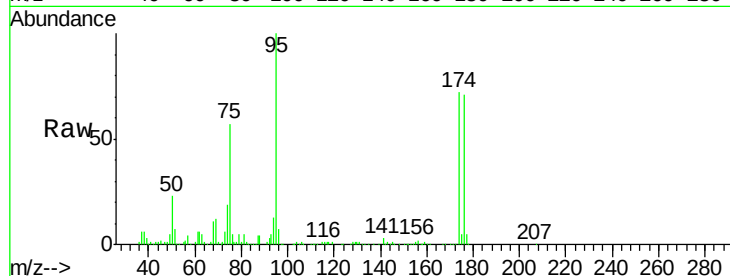
Tot Ion: 95 Resp: 271641

Ion Ratio Lower Upper

95 100

174 72.1 0.0 140.8

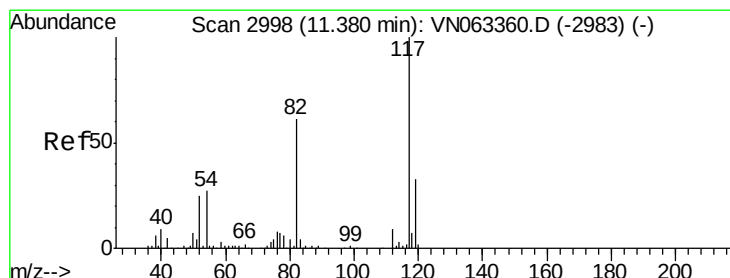
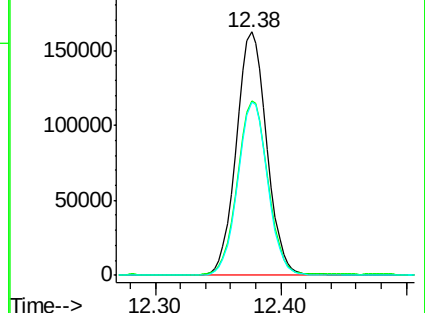
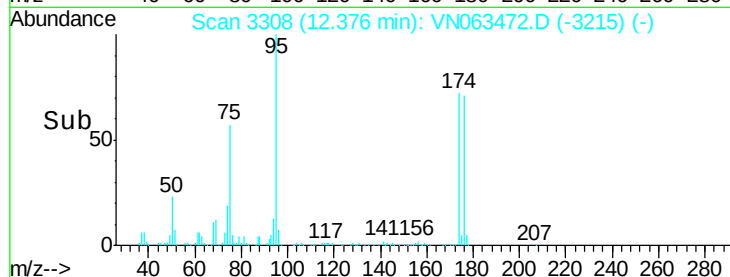
176 70.4 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063360.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063360.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063360.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063472.D

Acq: 18 Sep 2020 21:00

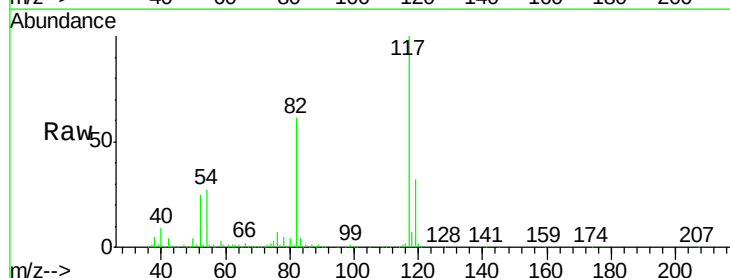
Tgt Ion: 117 Resp: 494120

Ion Ratio Lower Upper

117 100

82 60.7 49.2 73.8

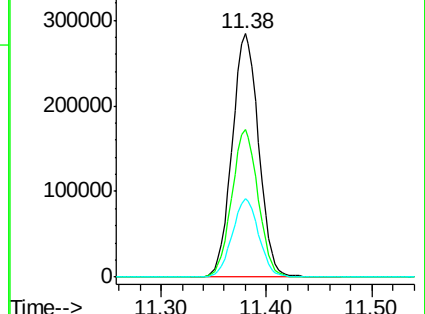
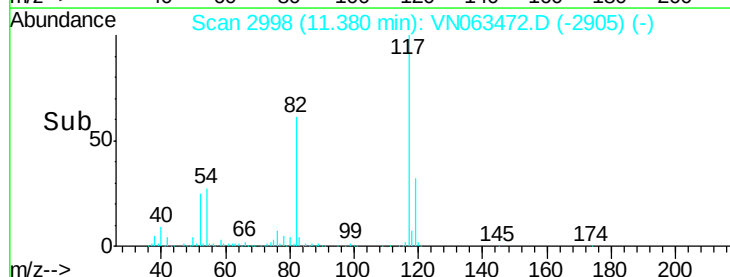
119 32.1 26.2 39.4

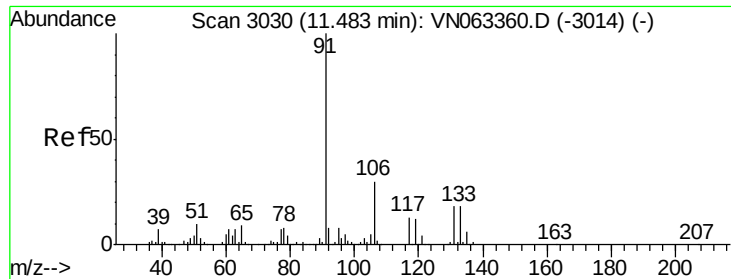


Abundance Ion 116.90 (116.60 to 117.60): VN063360.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063360.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063360.D (-2983) (-)

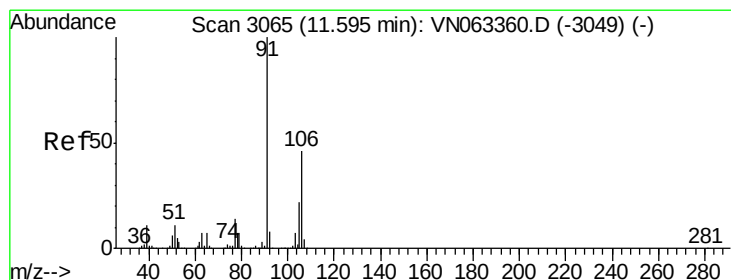
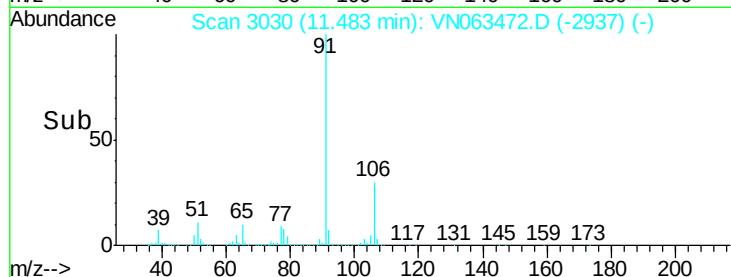
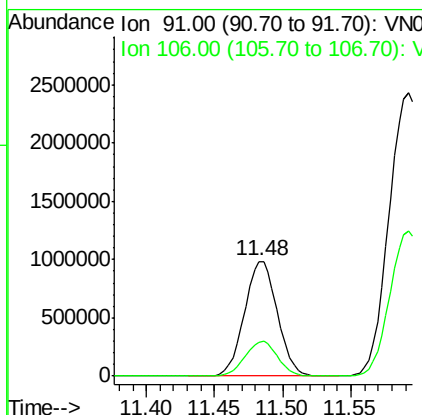
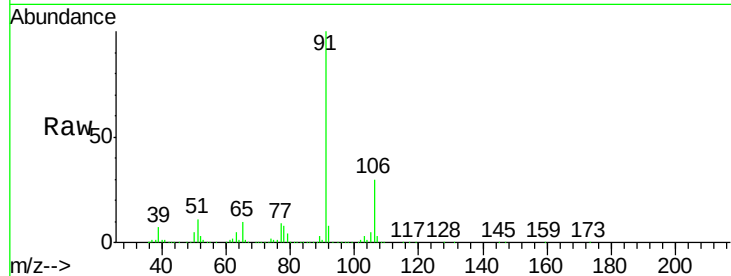




#67
Ethyl Benzene
Concen: 83.320 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063472.D
Acq: 18 Sep 2020 21:00

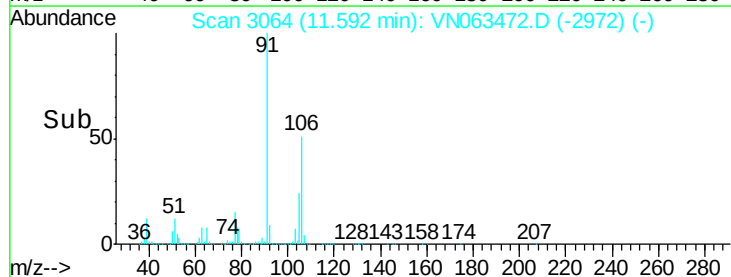
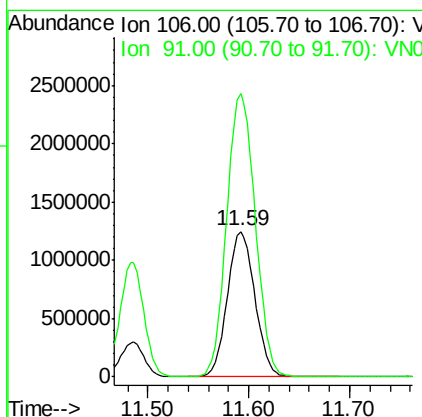
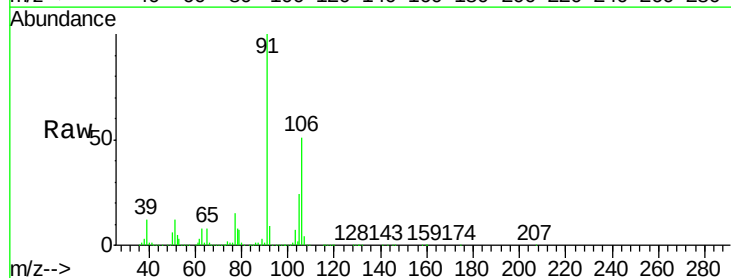
Instrument :
MSVOA_N
ClientSampled :
16718

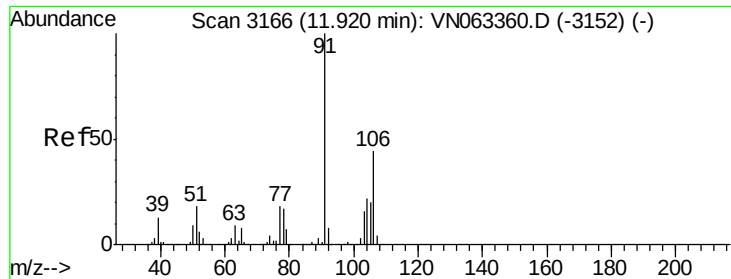
Tot Ion: 91 Resp: 1645775
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.6



#68
m/p-Xylenes
Concen: 332.633 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN063472.D
Acq: 18 Sep 2020 21:00

Tgt Ion: 106 Resp: 2368919
Ion Ratio Lower Upper
106 100
91 202.2 171.2 256.8

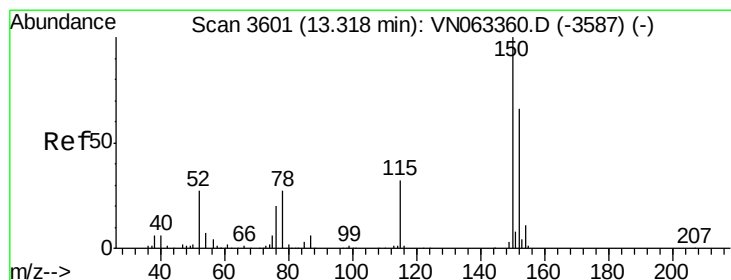
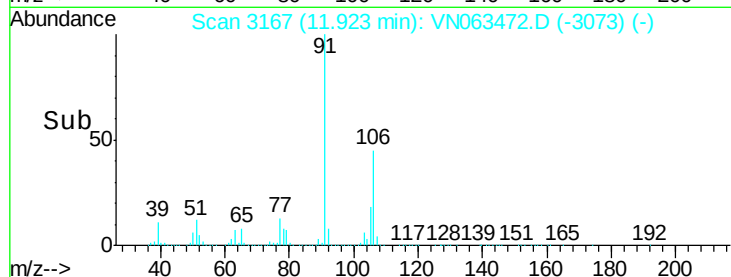
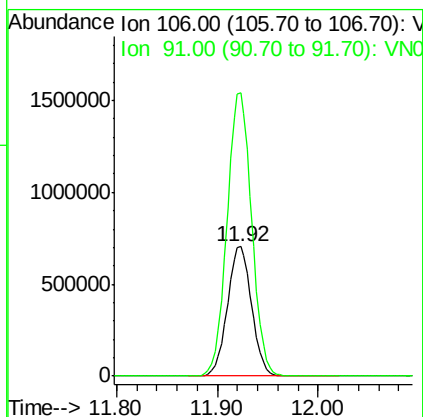
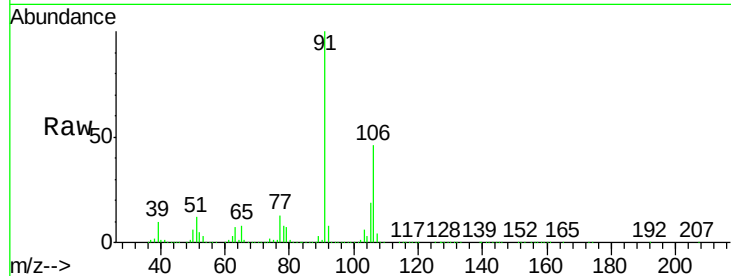




#69
o-Xylene
Concen: 173.711 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063472.D
Acq: 18 Sep 2020 21:00

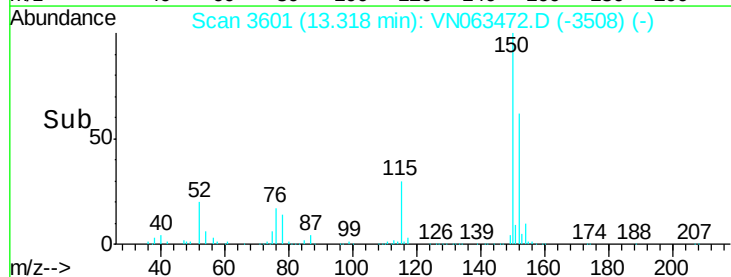
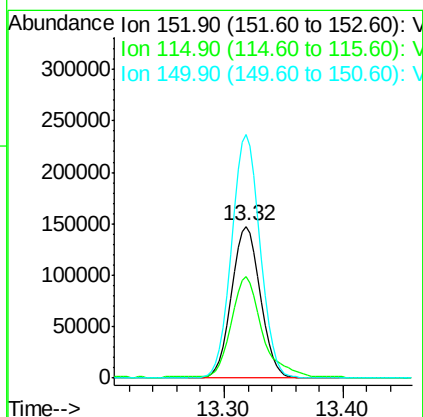
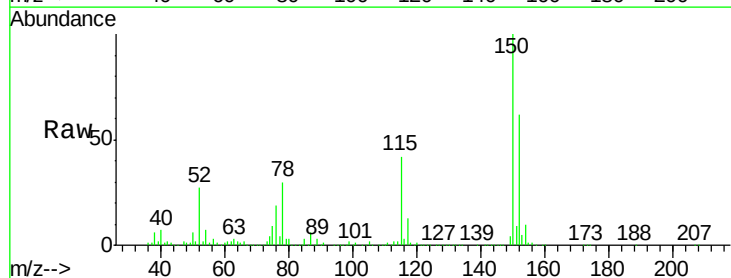
Instrument :
MSVOA_N
ClientSampleId :
16718

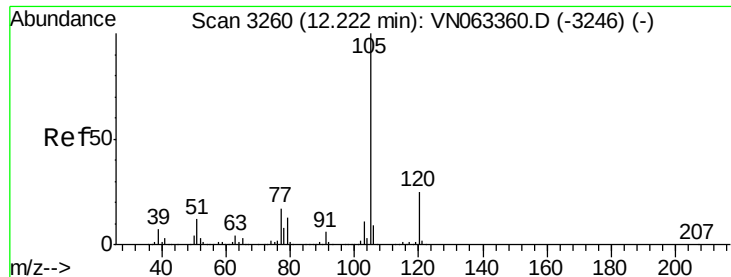
Tot Ion:106 Resp: 1178488
Ion Ratio Lower Upper
106 100
91 222.5 113.6 340.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063472.D
Acq: 18 Sep 2020 21:00

Tgt Ion:152 Resp: 246237
Ion Ratio Lower Upper
152 100
115 71.4 32.2 96.6
150 158.8 0.0 343.4





#73

Isopropylbenzene

Concen: 2.592 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063472.D

Acq: 18 Sep 2020 21:00

Instrument :

MSVOA_N

ClientSampled :

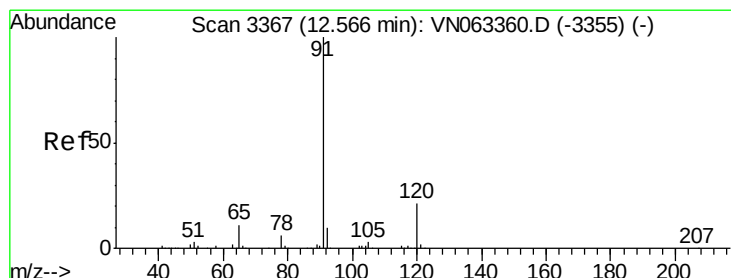
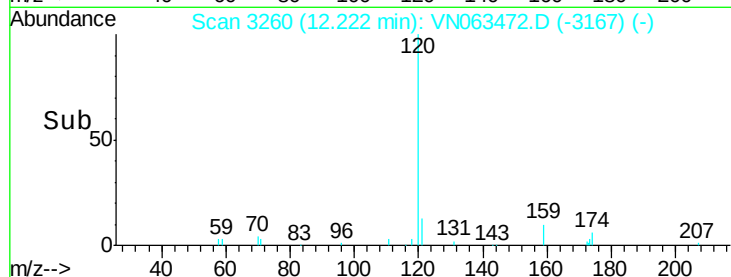
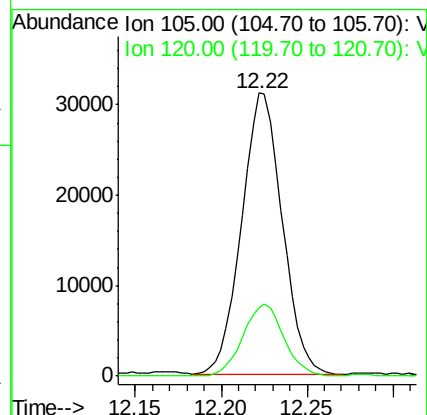
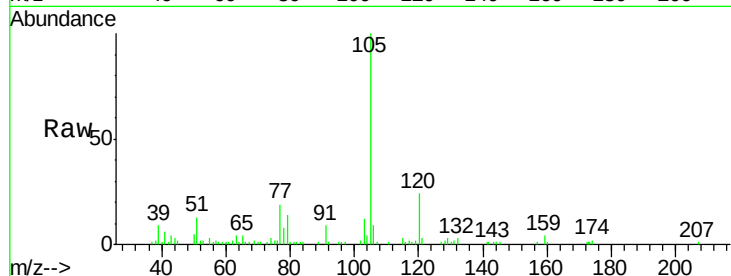
16718

Tot Ion:105 Resp: 51155

Ion Ratio Lower Upper

105 100

120 25.6 12.7 38.0



#78

n-propylbenzene

Concen: 7.453 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063472.D

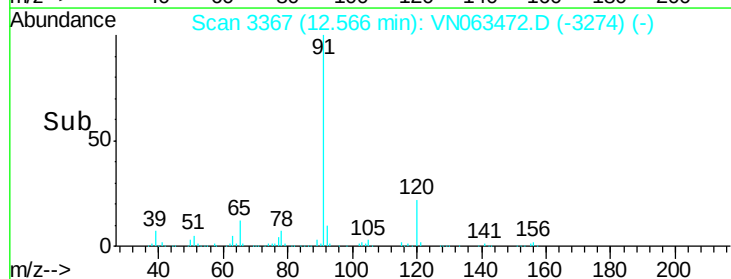
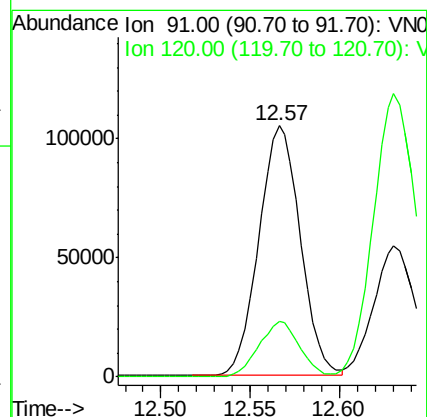
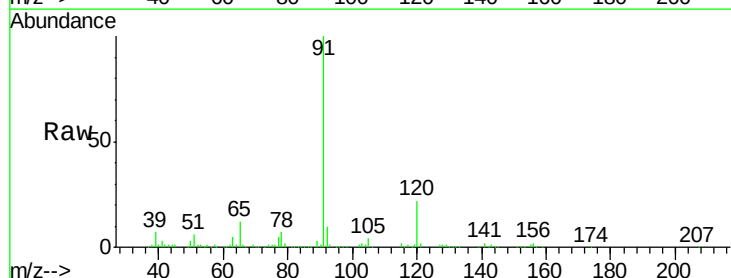
Acq: 18 Sep 2020 21:00

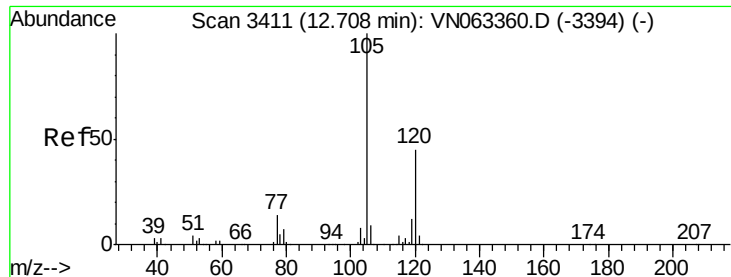
Tgt Ion: 91 Resp: 171293

Ion Ratio Lower Upper

91 100

120 21.6 10.8 32.3

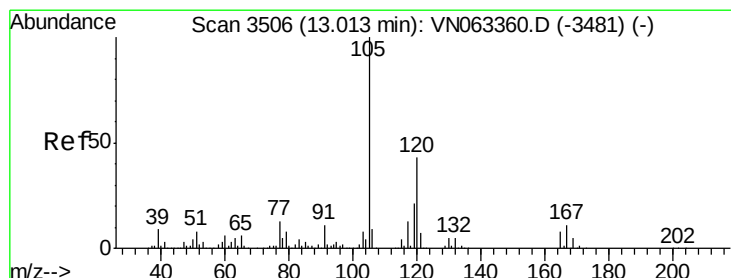
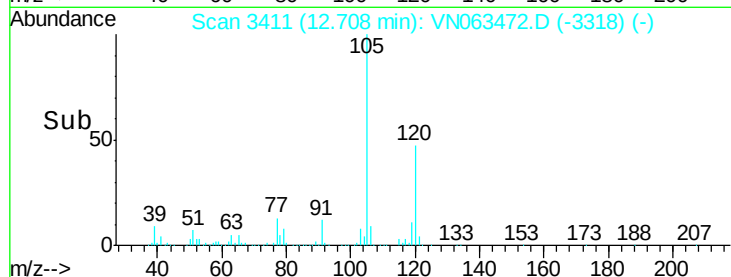
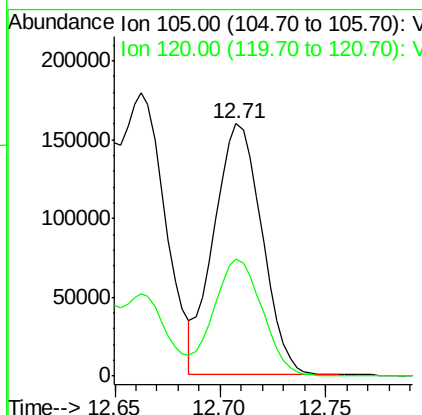
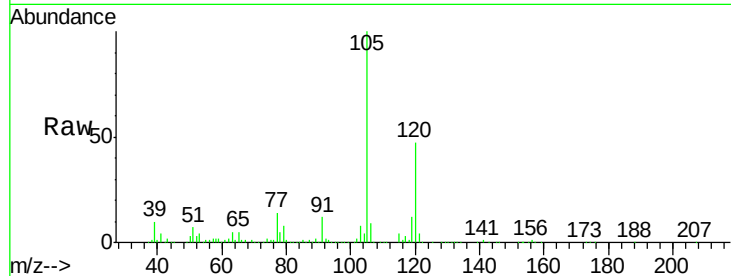




#80
 1,3,5-Trimethylbenzene
 Concen: 15.341 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063472.D
 Acq: 18 Sep 2020 21:00

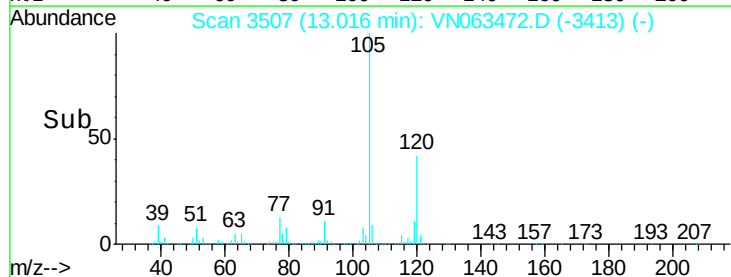
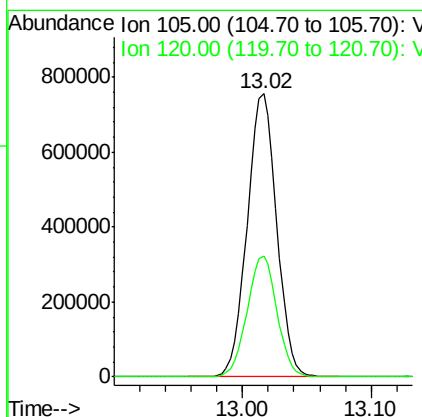
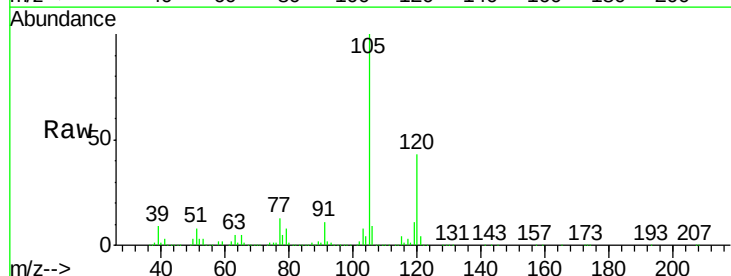
Instrument :
 MSVOA_N
 ClientSampled :
 16718

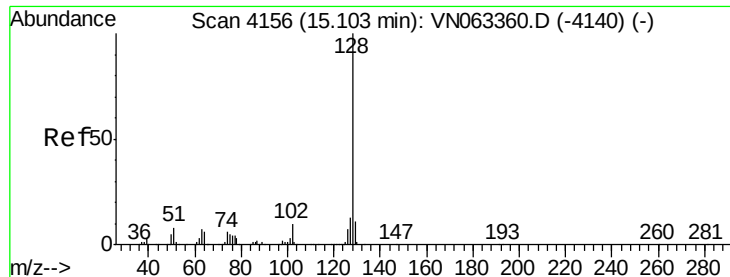
Tot Ion:105 Resp: 252428
 Ion Ratio Lower Upper
 105 100
 120 46.9 22.9 68.8



#84
 1,2,4-Trimethylbenzene
 Concen: 72.317 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063472.D
 Acq: 18 Sep 2020 21:00

Tgt Ion:105 Resp: 1201903
 Ion Ratio Lower Upper
 105 100
 120 43.2 21.3 63.9





#95

Naphthalene

Concen: 33.452 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063472.D

Acq: 18 Sep 2020 21:00

Instrument :

MSVOA_N

ClientSampleId :

16718

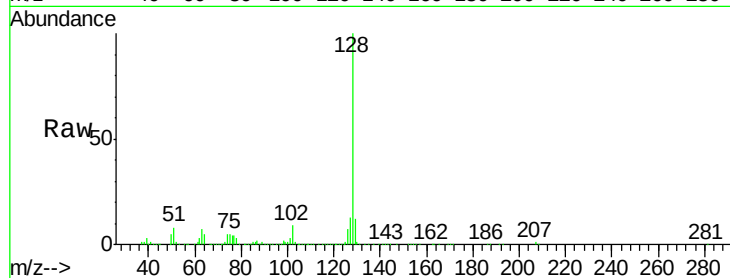
Tot Ion:128 Resp: 526248

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

129 11.2 8.8 13.2



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

