

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063483.D
 Acq On : 21 Sep 2020 14:10
 Operator : JC/MD
 Sample : L3952-15 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40615

Quant Time: Sep 22 03:03:04 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	243450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	450381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	457957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	207073	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	196538	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	
35) Dibromofluoromethane	7.55	113	143663	46.08	ug/l	0.00
Spiked Amount			Recovery	=	92.16%	
50) Toluene-d8	10.06	98	582128	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	12.38	95	237696	55.31	ug/l	0.00
Spiked Amount			Recovery	=	110.62%	

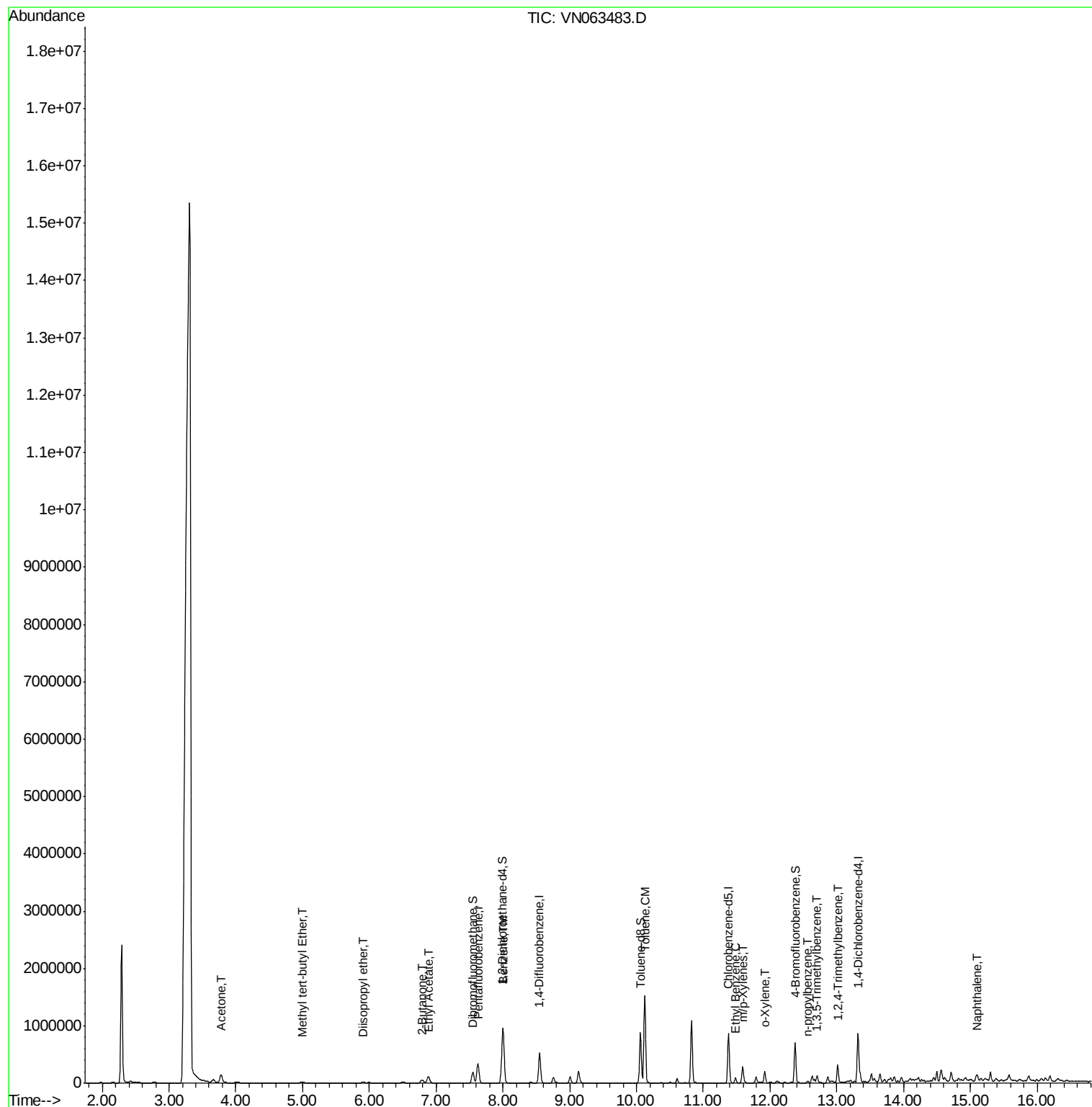
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	231241	173.622	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	33152	3.238	ug/l	96
22) Diisopropyl ether	5.91	45	25795	2.327	ug/l #	84
25) 2-Butanone	6.79	43	70365	34.352	ug/l	99
37) Ethyl Acetate	6.88	43	186885	39.685	ug/l	99
40) Benzene	8.00	78	844869	61.683	ug/l	97
52) Toluene	10.13	92	648486	78.746	ug/l	99
67) Ethyl Benzene	11.48	91	63236	3.454	ug/l	97
68) m/p-Xylenes	11.59	106	83620	12.669	ug/l	100
69) o-Xylene	11.92	106	52571	8.361	ug/l	98
78) n-propylbenzene	12.57	91	26423	1.367	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	35870	2.592	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	172473	12.340	ug/l	100
95) Naphthalene	15.10	128	79463	6.007	ug/l	99

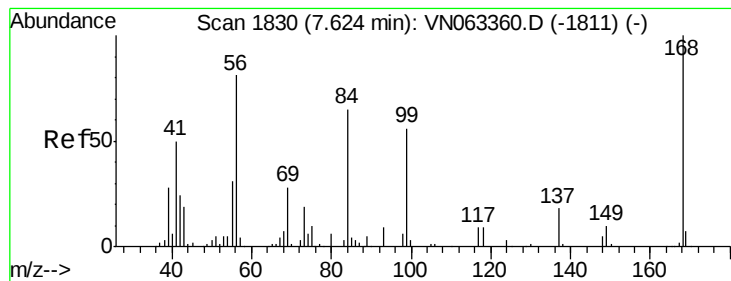
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063483.D

Acq: 21 Sep 2020 14:10

Instrument :

MSVOA_N

ClientSampleId :

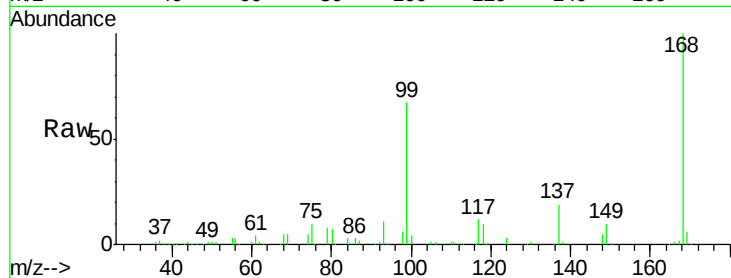
40615

Tot Ion:168 Resp: 243450

Ion Ratio Lower Upper

168 100

99 66.7 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

80000

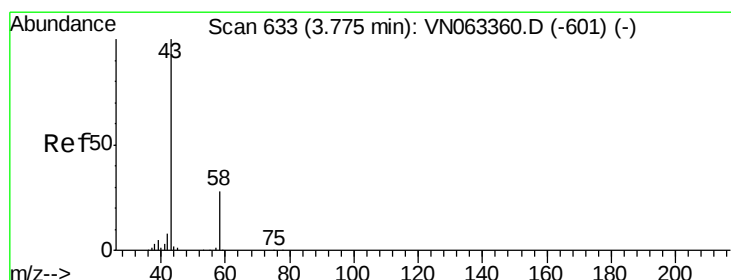
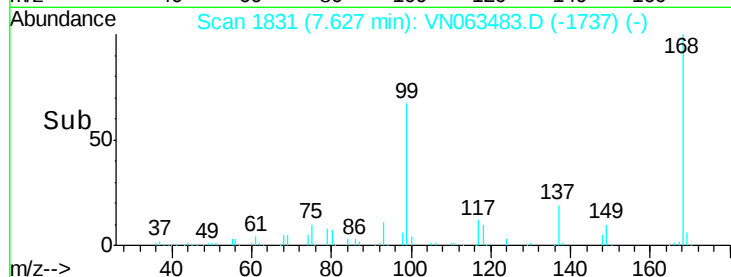
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 173.622 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063483.D

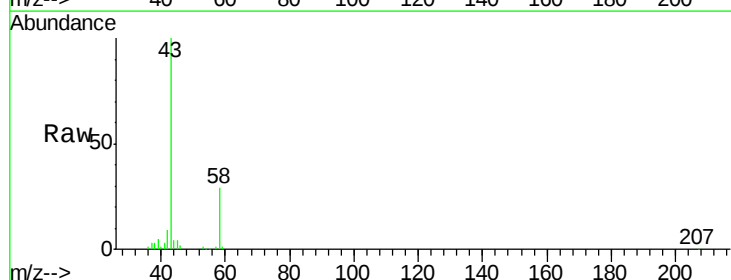
Acq: 21 Sep 2020 14:10

Tgt Ion: 43 Resp: 231241

Ion Ratio Lower Upper

43 100

58 29.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

100000

80000

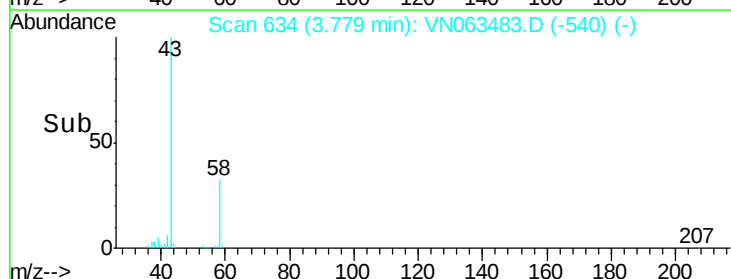
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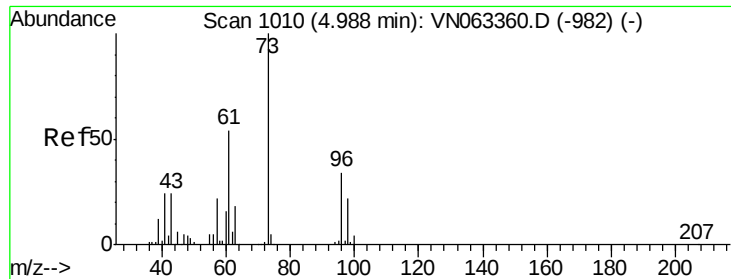
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20000

0

Time-->

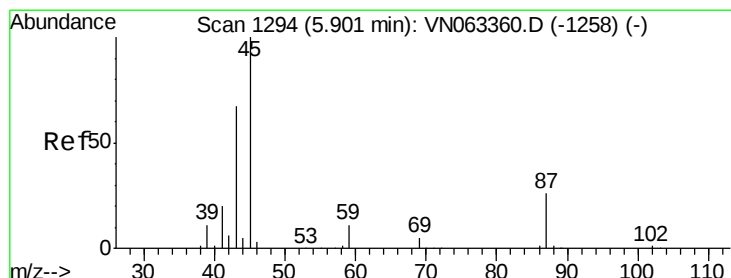
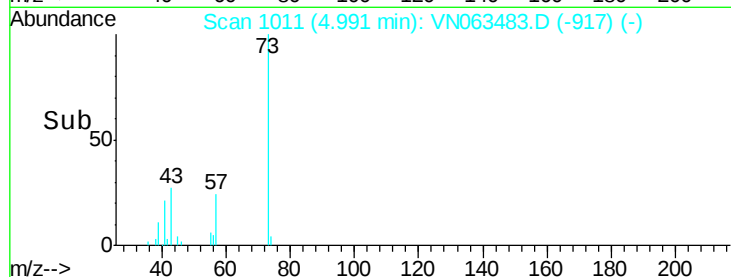
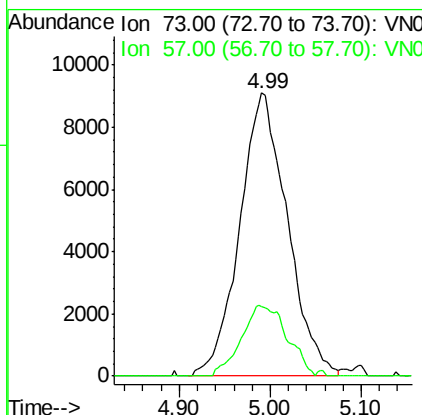
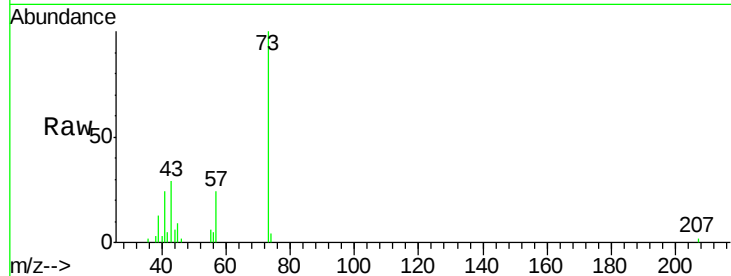




#19
Methvl tert-butvl Ether
Concen: 3.238 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063483.D
Acq: 21 Sep 2020 14:10

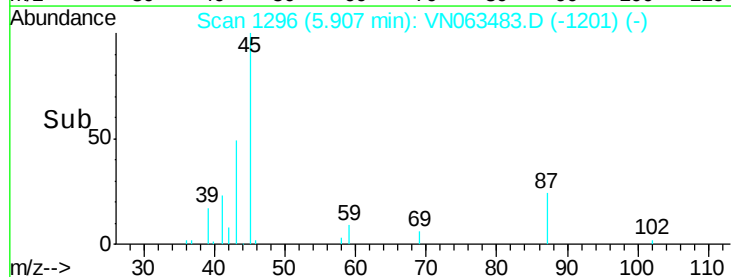
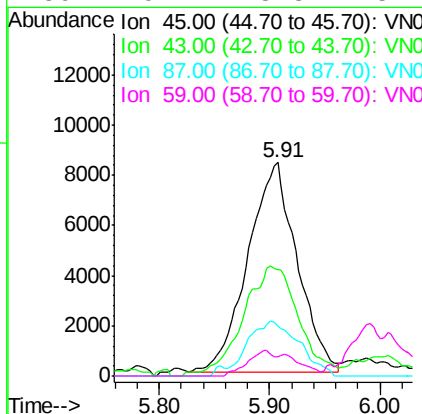
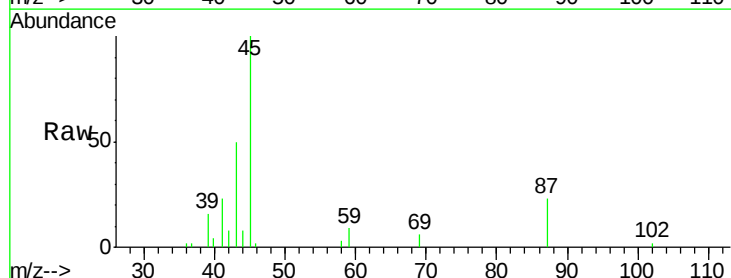
Instrument :
MSVOA_N
ClientSampleId :
40615

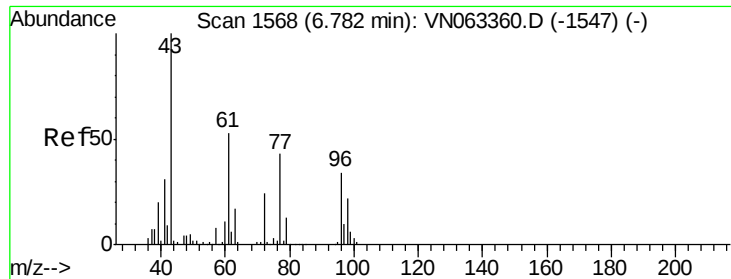
Tot Ion: 73 Resp: 33152
Ion Ratio Lower Upper
73 100
57 24.5 17.9 26.9



#22
Diisopropyl ether
Concen: 2.327 ug/l
RT: 5.91 min Scan# 1296
Delta R.T. 0.01 min
Lab File: VN063483.D
Acq: 21 Sep 2020 14:10

Tgt Ion: 45 Resp: 25795
Ion Ratio Lower Upper
45 100
43 48.8 53.5 80.3#
87 23.7 21.2 31.8
59 9.1 8.8 13.2





#25

2-Butanone

Concen: 34.352 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN063483.D

Acq: 21 Sep 2020 14:10

Instrument :

MSVOA_N

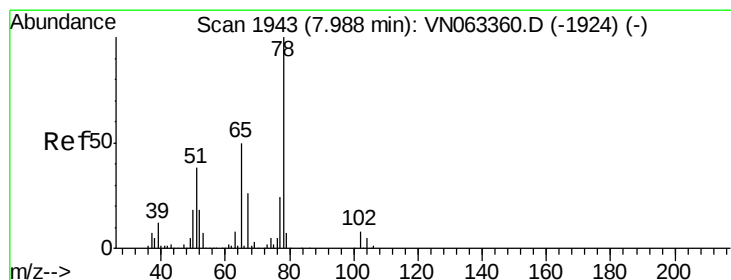
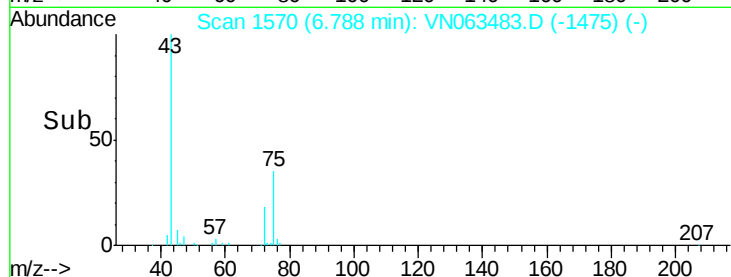
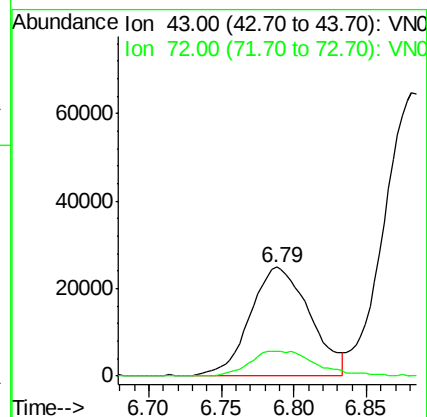
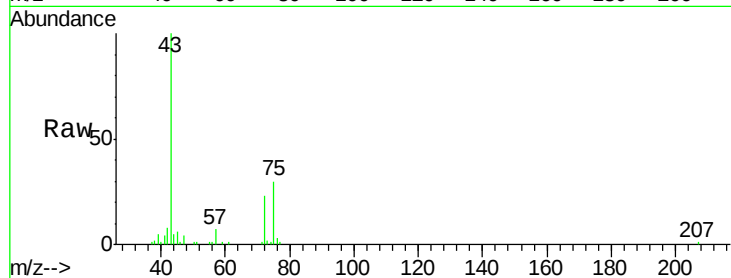
ClientSampled :
40615

Tot Ion: 43 Resp: 70365

Ion Ratio Lower Upper

43 100

72 23.3 19.2 28.8



#33

1,2-Dichloroethane-d4

Concen: 47.425 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063483.D

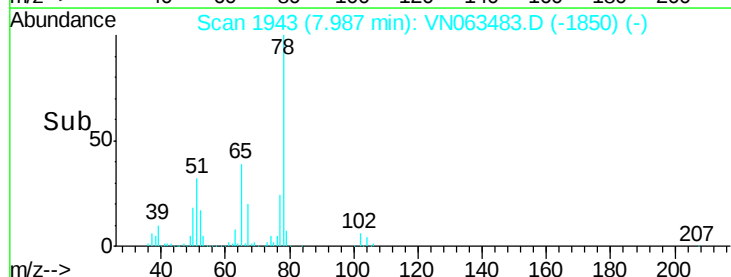
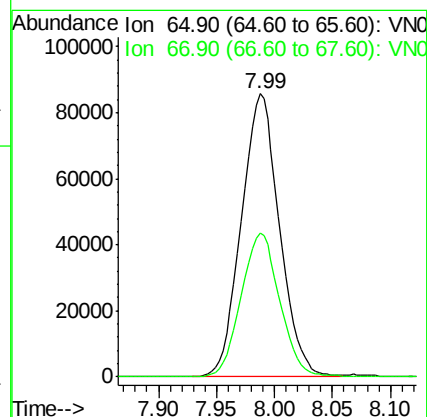
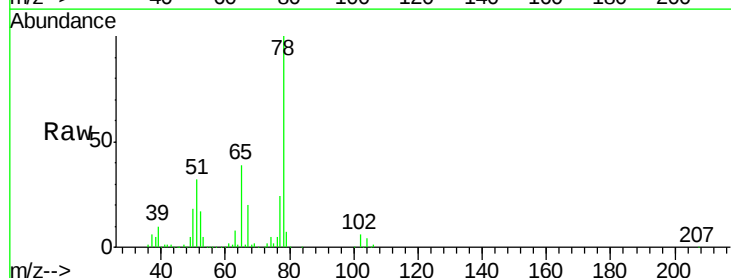
Acq: 21 Sep 2020 14:10

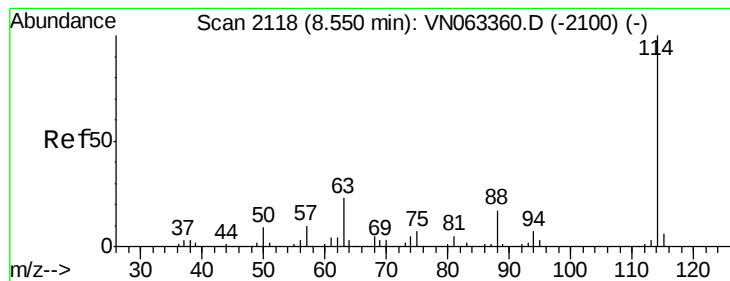
Tgt Ion: 65 Resp: 196538

Ion Ratio Lower Upper

65 100

67 51.3 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: VN063483.D

Acq: 21 Sep 2020 14:10

Instrument :

MSVOA_N

ClientSampled :

40615

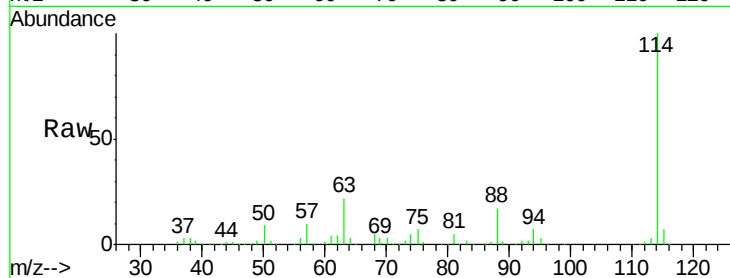
Tot Ion:114 Resp: 450381

Ion Ratio Lower Upper

114 100

63 22.3 0.0 46.4

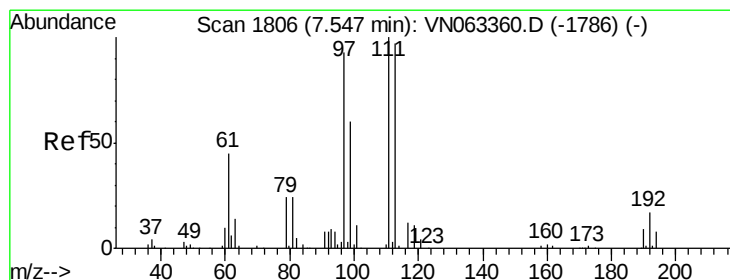
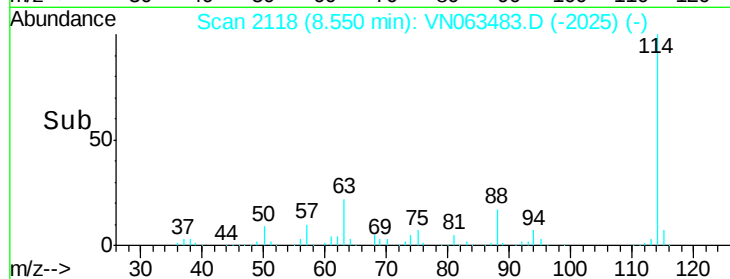
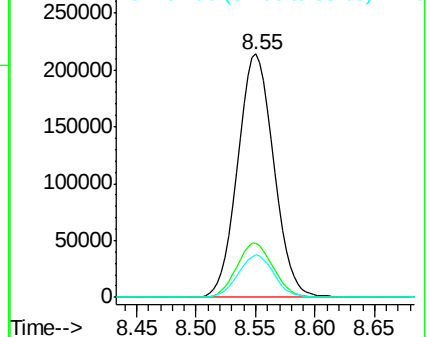
88 17.4 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 46.077 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063483.D

Acq: 21 Sep 2020 14:10

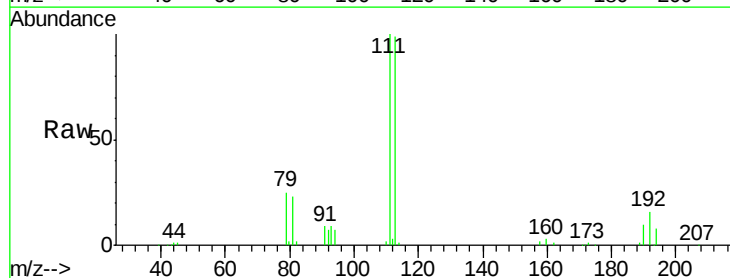
Tgt Ion:113 Resp: 143663

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

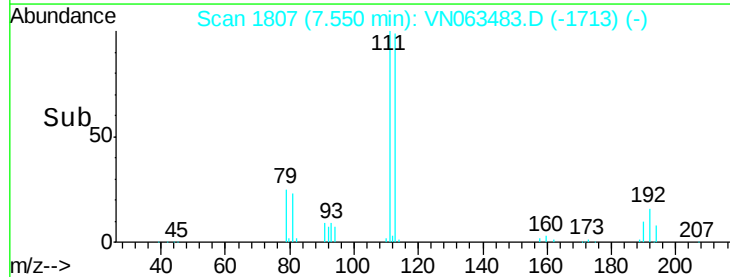
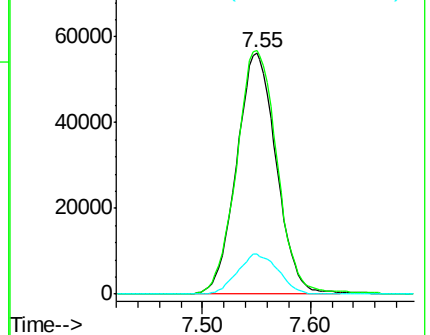
192 17.2 13.9 20.9

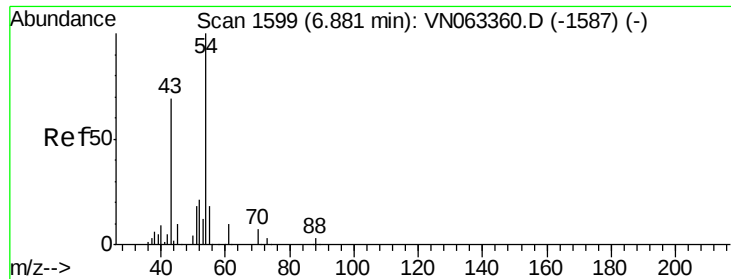


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

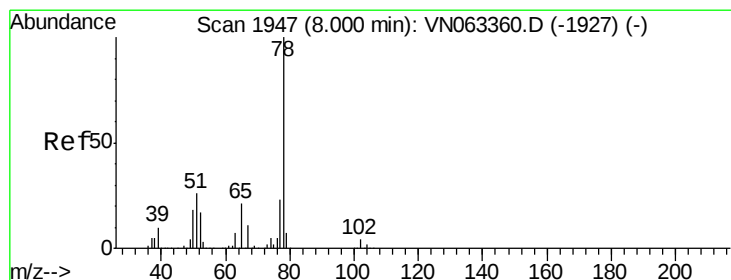
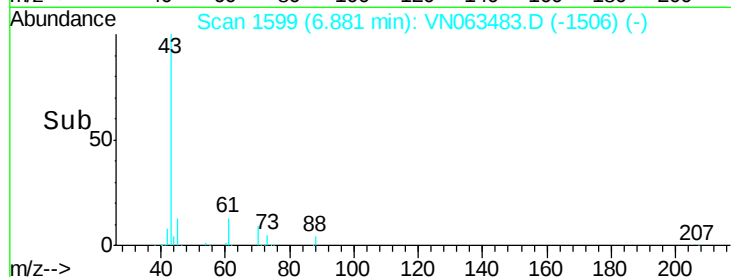
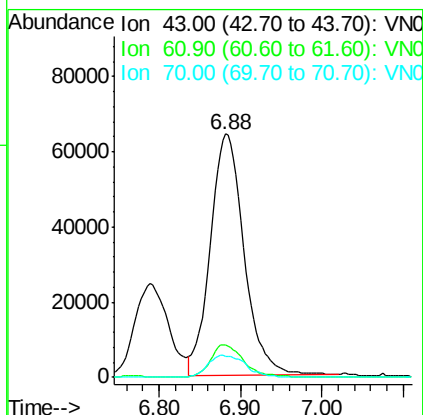
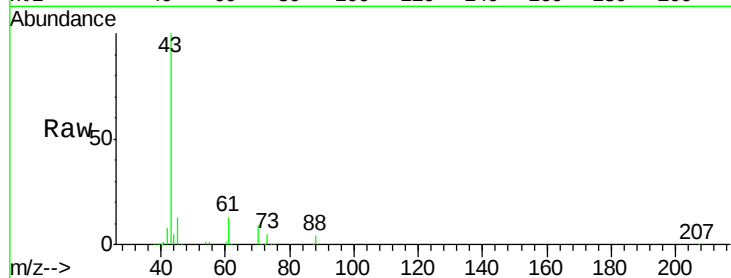




#37
Ethyl Acetate
Concen: 39.685 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063483.D
Acq: 21 Sep 2020 14:10

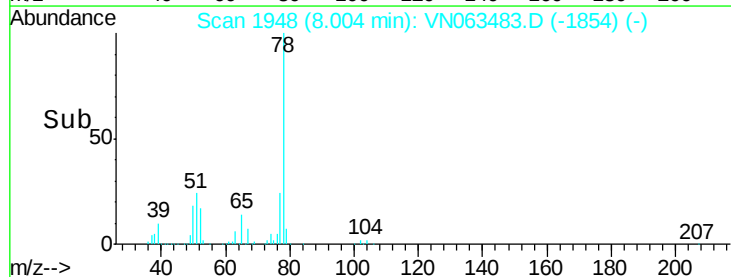
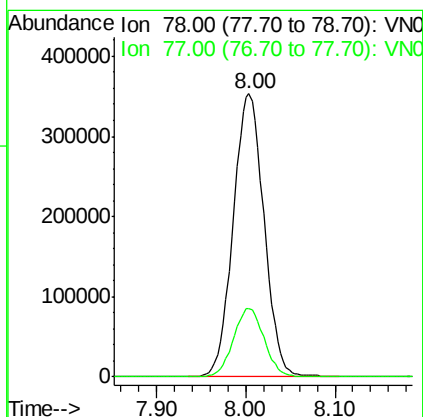
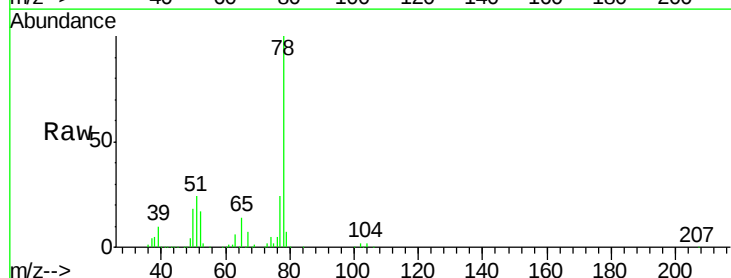
Instrument :
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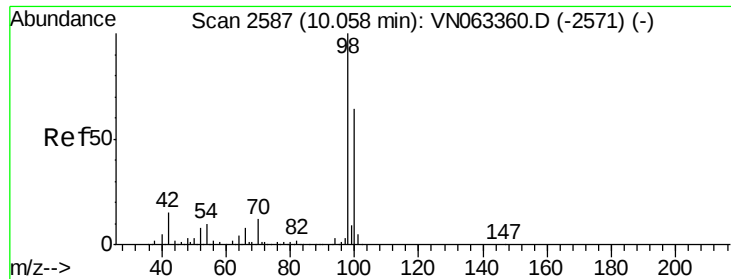
Tot Ion: 43 Resp: 186885
Ion Ratio Lower Upper
43 100
61 13.1 10.6 15.8
70 10.1 7.2 10.8



#40
Benzene
Concen: 61.683 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063483.D
Acq: 21 Sep 2020 14:10

Tgt Ion: 78 Resp: 844869
Ion Ratio Lower Upper
78 100
77 24.3 18.3 27.5





#50

Toluene-d8

Concen: 49.653 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063483.D

Acq: 21 Sep 2020 14:10

Instrument :

MSVOA_N

ClientSampleId :

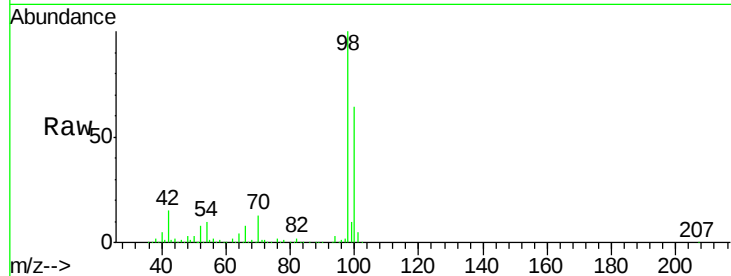
40615

Tot Ion: 98 Resp: 582128

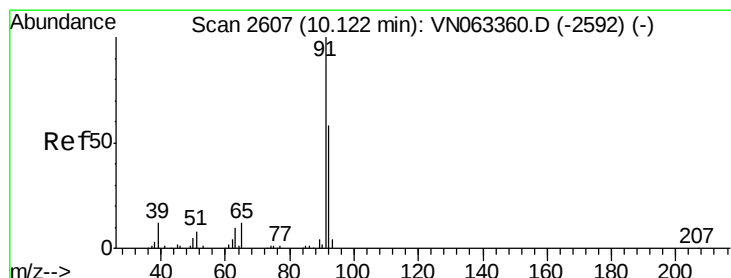
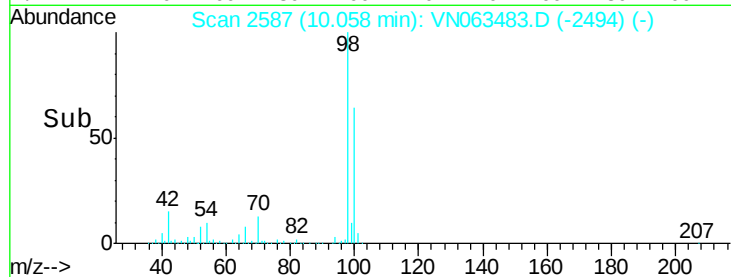
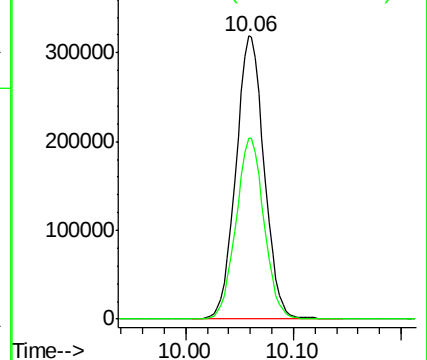
Ion Ratio Lower Upper

98 100

100 63.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063360.D (-2571) (-)



#52

Toluene

Concen: 78.746 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063483.D

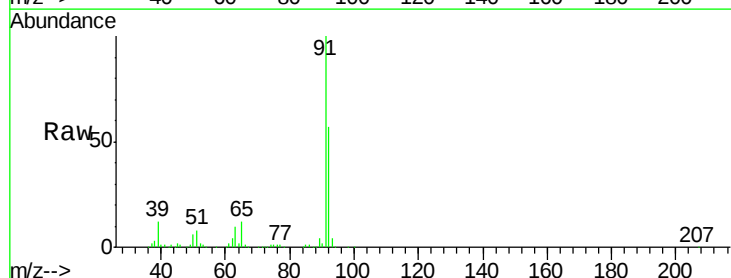
Acq: 21 Sep 2020 14:10

Tgt Ion: 92 Resp: 648486

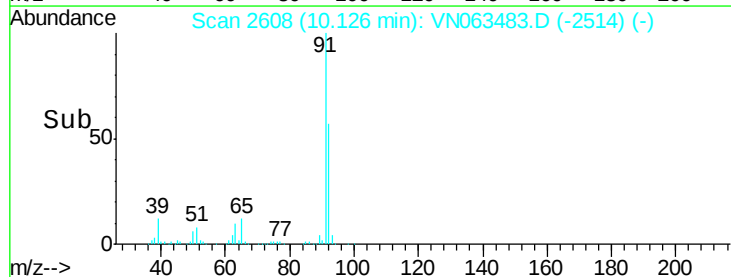
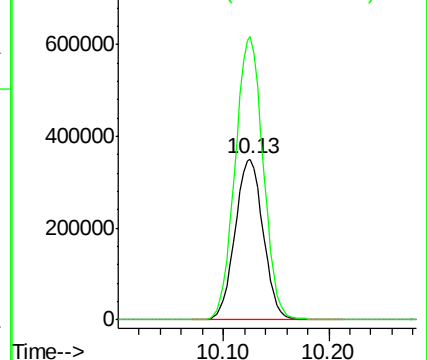
Ion Ratio Lower Upper

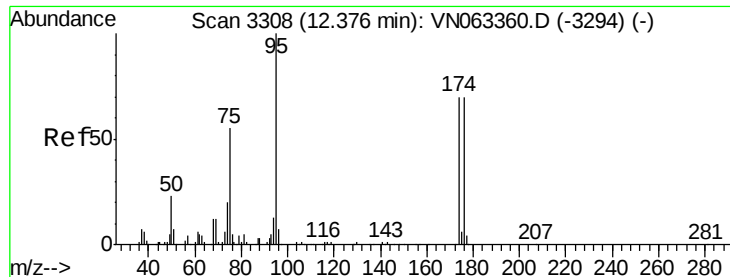
92 100

91 175.3 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN063360.D (-2592) (-)





#62

4-Bromofluorobenzene

Concen: 55.307 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063483.D

Acq: 21 Sep 2020 14:10

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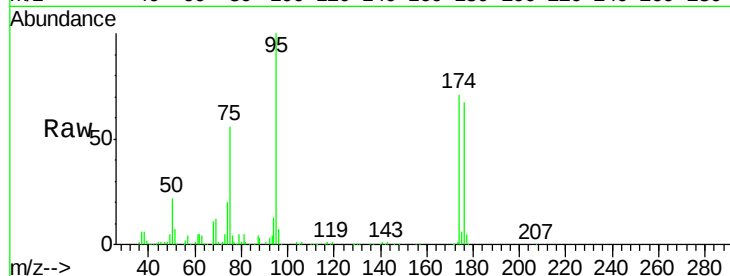
Tot Ion: 95 Resp: 237696

Ion Ratio Lower Upper

95 100

174 71.8 0.0 140.8

176 67.6 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) (-)

12.38

150000

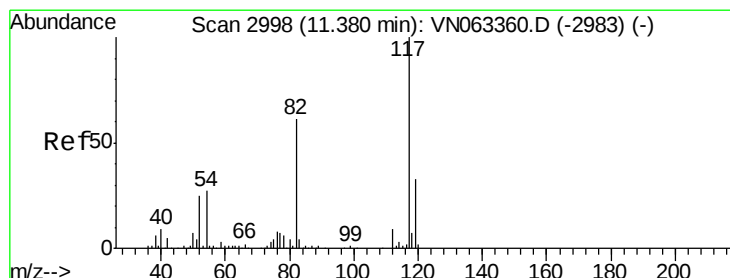
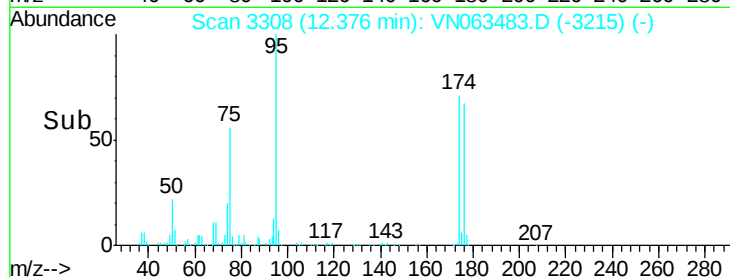
100000

50000

0

12.30 12.40 12.50

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063483.D

Acq: 21 Sep 2020 14:10

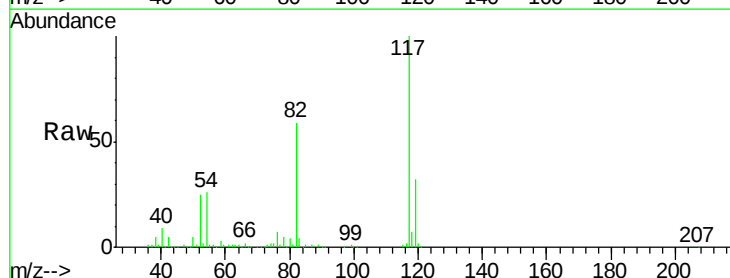
Tgt Ion: 117 Resp: 457957

Ion Ratio Lower Upper

117 100

82 59.1 49.2 73.8

119 31.5 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) (-)

11.38

300000

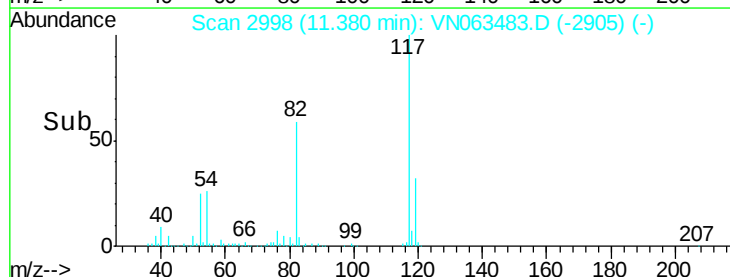
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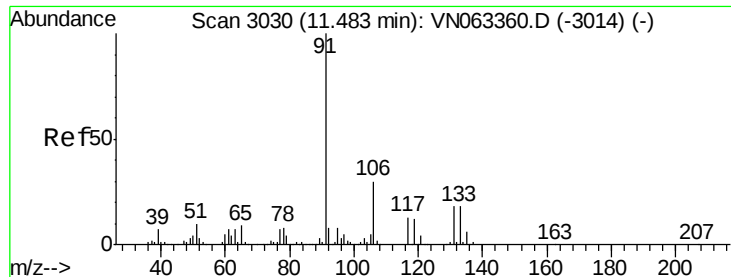
100000

0

11.30 11.40

Time-->

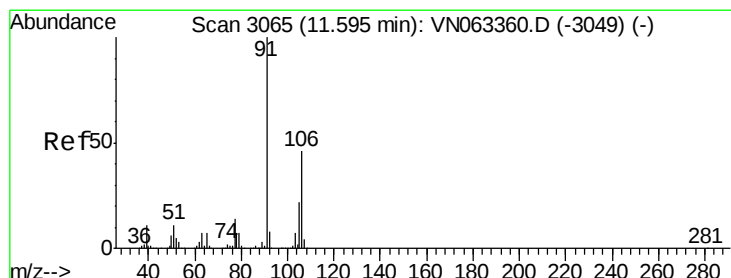
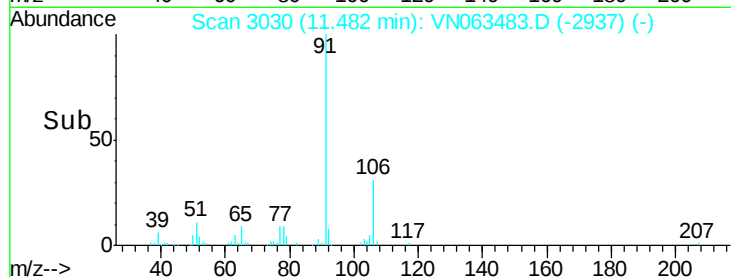
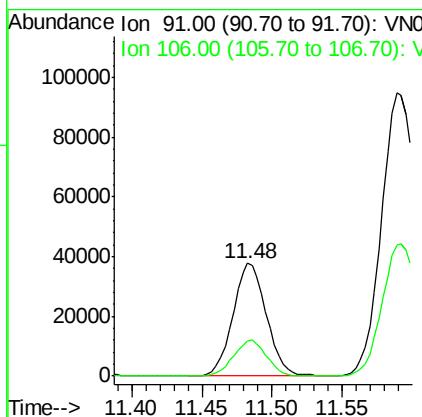
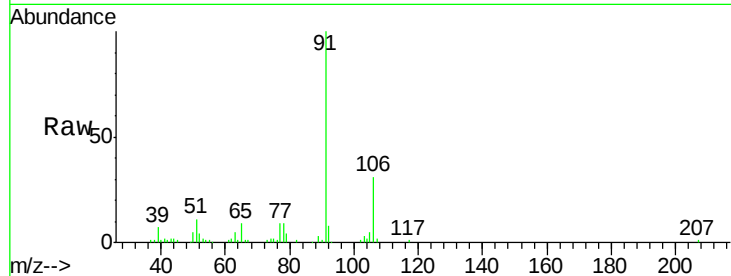




#67
Ethyl Benzene
Concen: 3.454 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063483.D
Acq: 21 Sep 2020 14:10

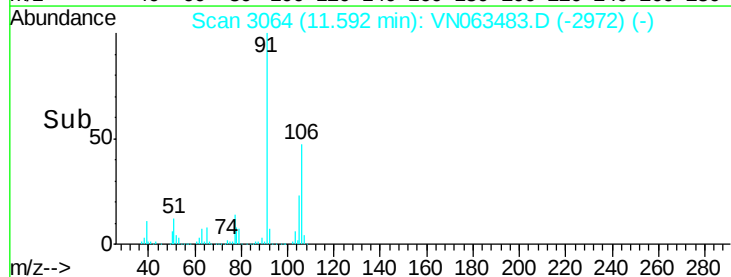
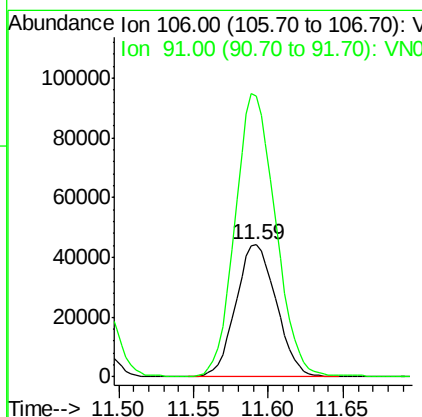
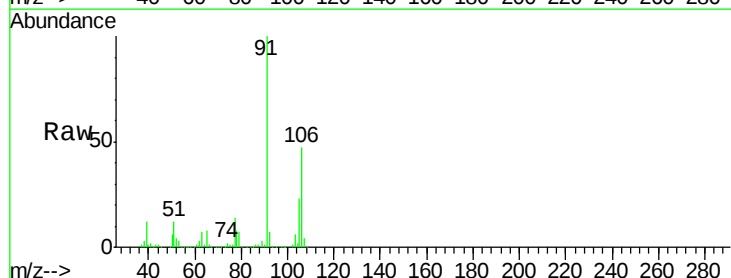
Instrument :
MSVOA_N
ClientSampled :
40615

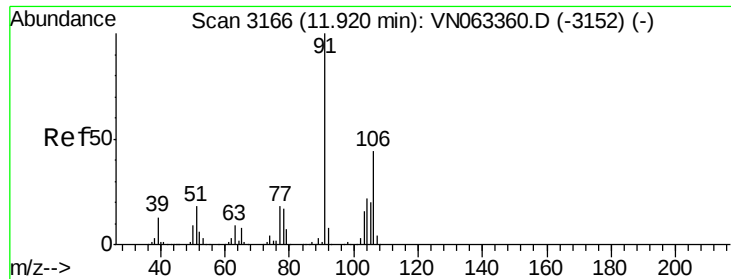
Tot Ion: 91 Resp: 63236
Ion Ratio Lower Upper
91 100
106 31.2 23.8 35.6



#68
m/p-Xylenes
Concen: 12.669 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN063483.D
Acq: 21 Sep 2020 14:10

Tgt Ion: 106 Resp: 83620
Ion Ratio Lower Upper
106 100
91 213.4 171.2 256.8

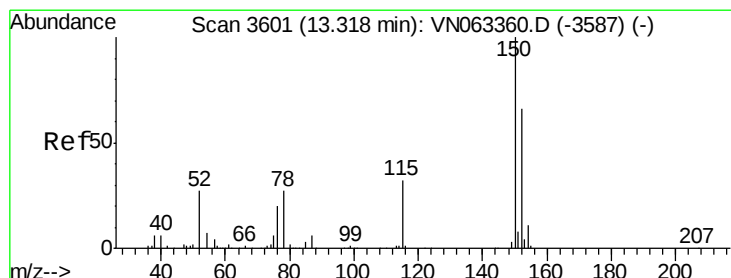
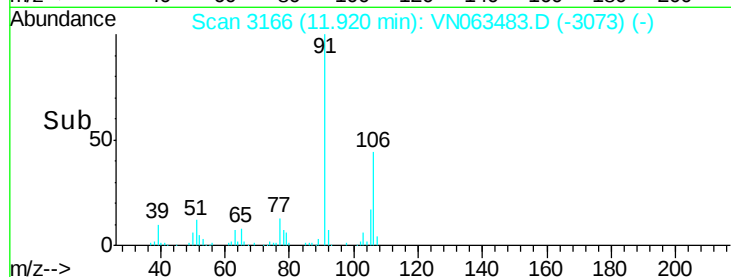
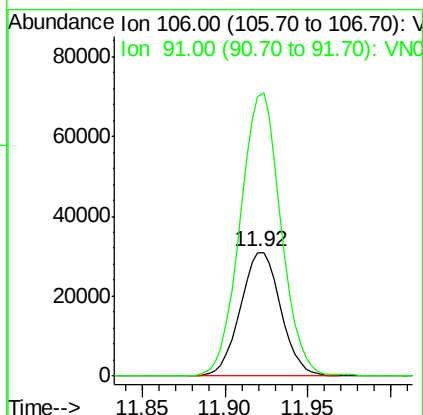
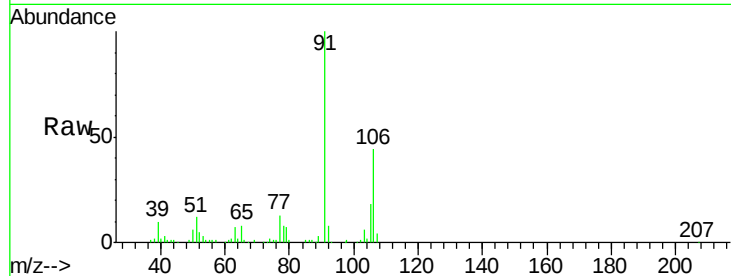




#69
o-Xylene
Concen: 8.361 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063483.D
Acq: 21 Sep 2020 14:10

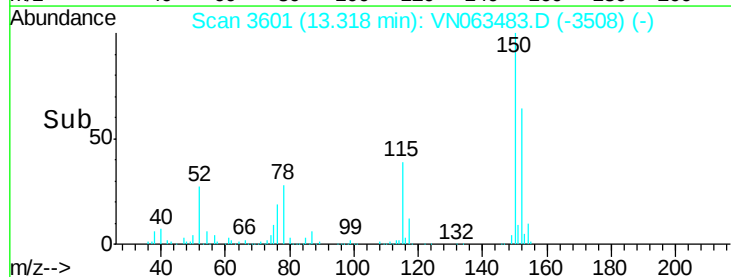
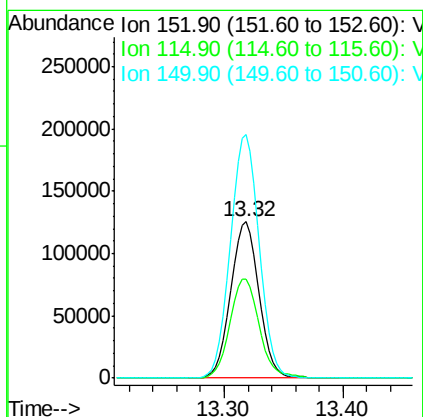
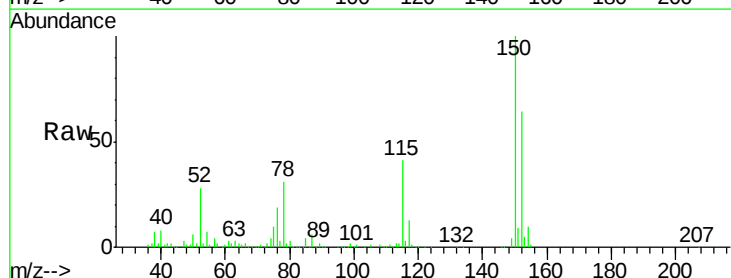
Instrument :
MSVOA_N
ClientSampled :
40615

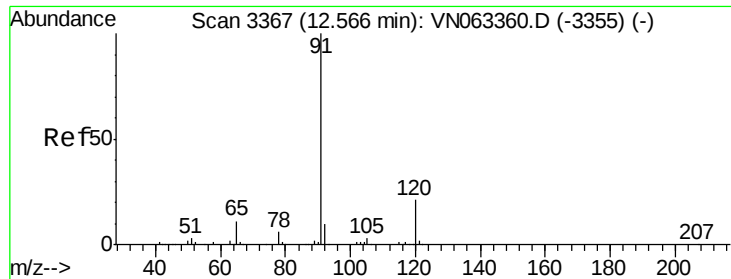
Tot Ion:106 Resp: 52571
Ion Ratio Lower Upper
106 100
91 230.4 113.6 340.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063483.D
Acq: 21 Sep 2020 14:10

Tgt Ion:152 Resp: 207073
Ion Ratio Lower Upper
152 100
115 65.5 32.2 96.6
150 158.3 0.0 343.4





#78

n-propylbenzene

Concen: 1.367 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063483.D

Acq: 21 Sep 2020 14:10

Instrument :

MSVOA_N

ClientSampled :

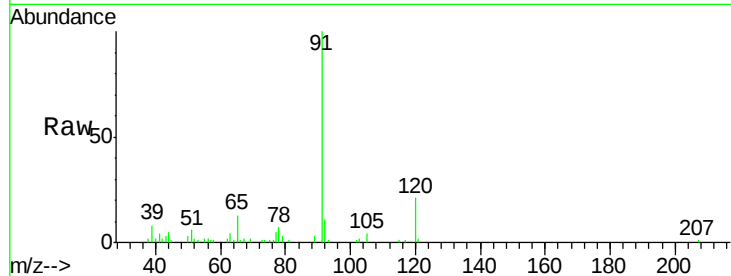
40615

Tot Ion: 91 Resp: 26423

Ion Ratio Lower Upper

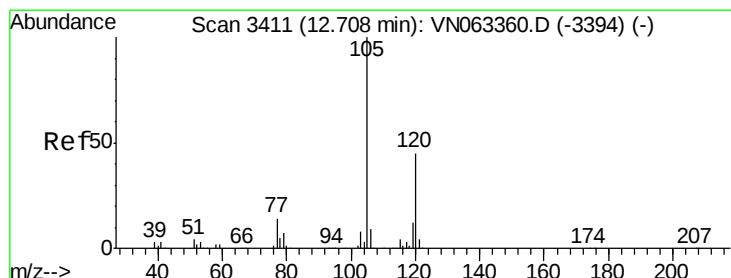
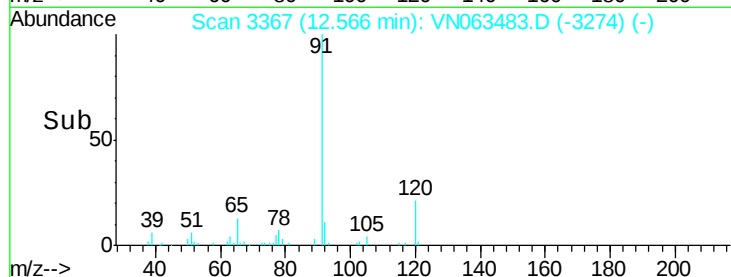
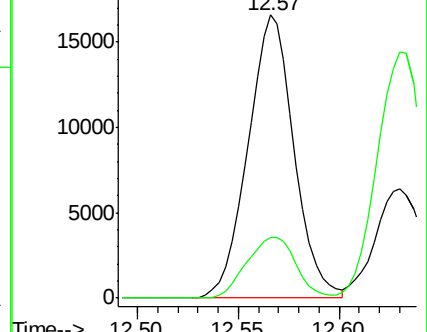
91 100

120 23.1 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3355) (-)

Ion 120.00 (119.70 to 120.70): VN063360.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 2.592 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063483.D

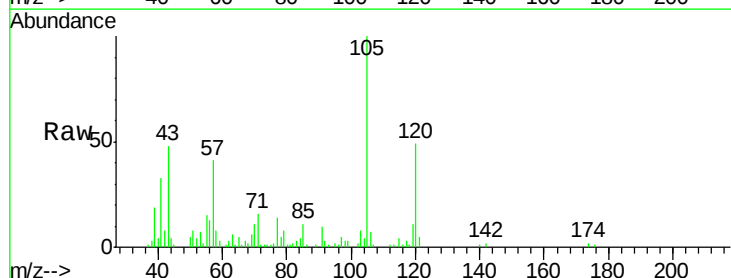
Acq: 21 Sep 2020 14:10

Tgt Ion: 105 Resp: 35870

Ion Ratio Lower Upper

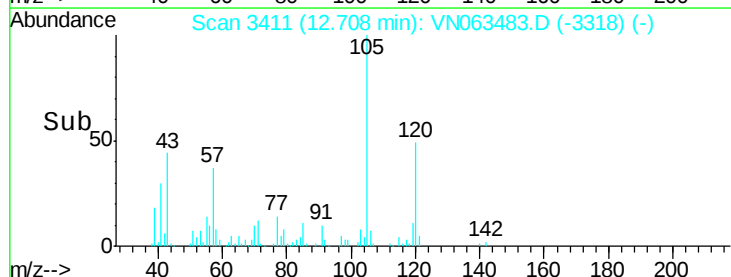
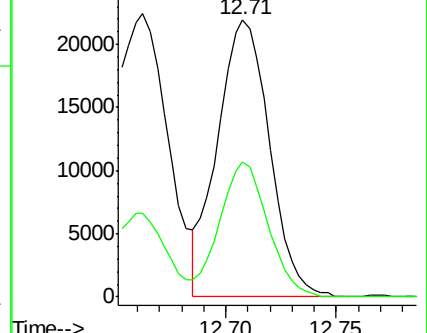
105 100

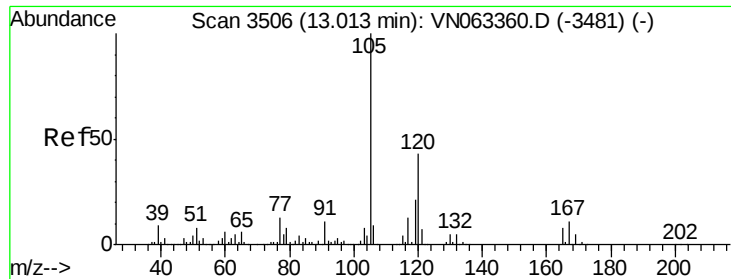
120 45.8 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN063360.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN063360.D (-3394) (-)

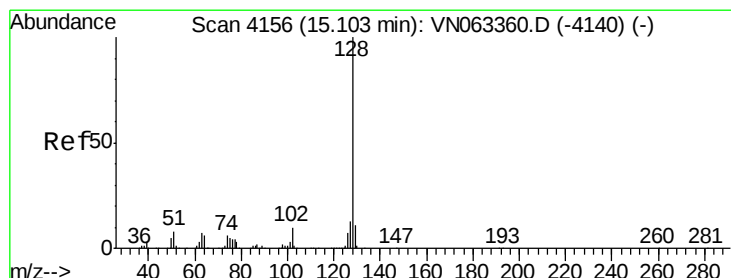
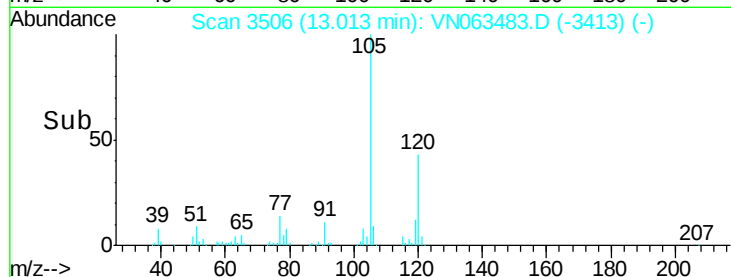
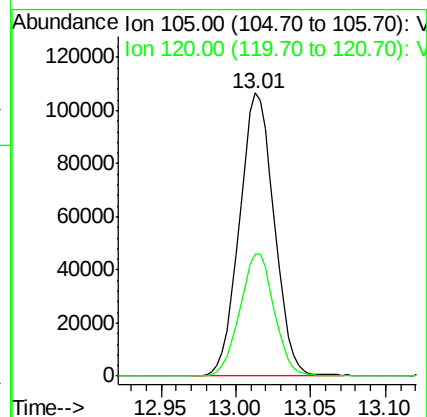
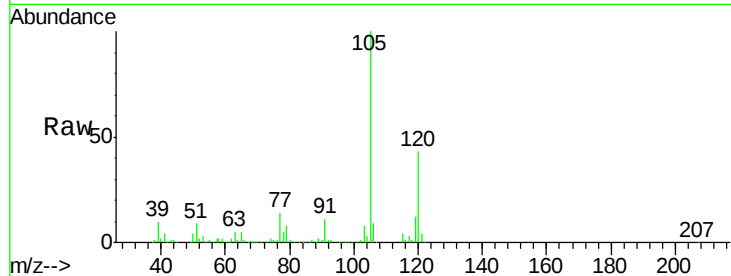




#84
 1,2,4-Trimethylbenzene
 Concen: 12.340 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN063483.D
 Acq: 21 Sep 2020 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 40615

Tot Ion:105 Resp: 172473
 Ion Ratio Lower Upper
 105 100
 120 42.7 21.3 63.9



#95
 Naphthalene
 Concen: 6.007 ug/l
 RT: 15.10 min Scan# 4156
 Delta R.T. -0.00 min
 Lab File: VN063483.D
 Acq: 21 Sep 2020 14:10

Tgt Ion:128 Resp: 79463
 Ion Ratio Lower Upper
 128 100
 127 14.1 10.6 15.8
 129 11.2 8.8 13.2

