

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063482.D
 Acq On : 21 Sep 2020 13:46
 Operator : JC/MD
 Sample : L3952-16DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 16718DL

Quant Time: Sep 22 03:04:04 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	7.62	168	229114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	418481	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	425385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	193032	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	186637	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
35) Dibromofluoromethane	7.55	113	133655	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	
50) Toluene-d8	10.06	98	538087	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.38	95	221281	55.41	ug/l	0.00
Spiked Amount			Recovery	=	110.82%	

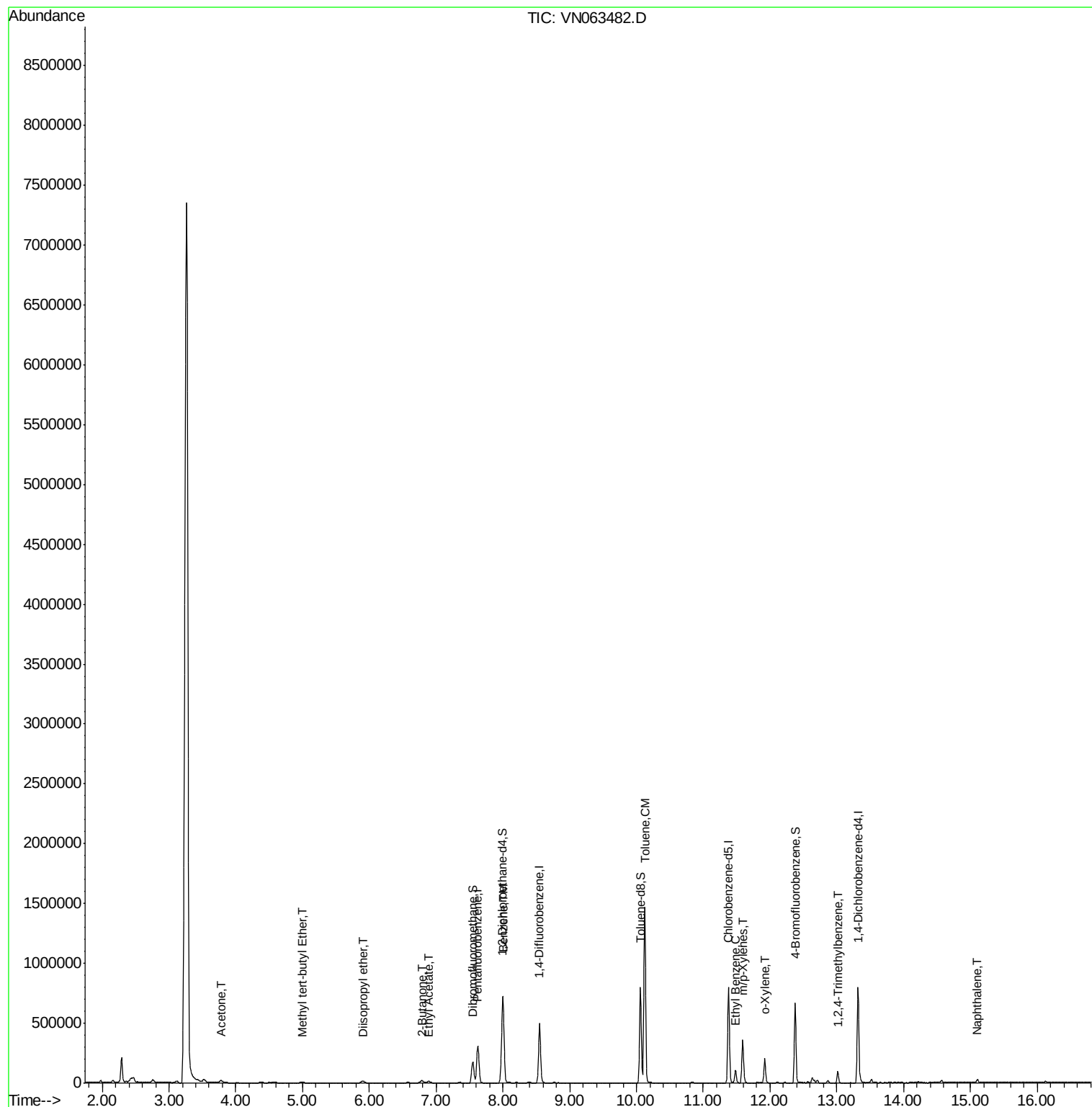
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	34365	27.417	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	11537	1.197	ug/l #	90
22) Diisopropyl ether	5.90	45	20740	1.988	ug/l #	83
25) 2-Butanone	6.79	43	17111	8.876	ug/l	95
37) Ethyl Acetate	6.88	43	28798	6.581	ug/l	98
40) Benzene	8.00	78	593759	46.654	ug/l	99
52) Toluene	10.13	92	622384	81.338	ug/l	100
67) Ethyl Benzene	11.48	91	76288	4.486	ug/l	98
68) m/p-Xylenes	11.59	106	109879	17.922	ug/l	96
69) o-Xylene	11.92	106	54232	9.286	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	51597	3.960	ug/l	99
95) Naphthalene	15.11	128	20971	1.700	ug/l	96

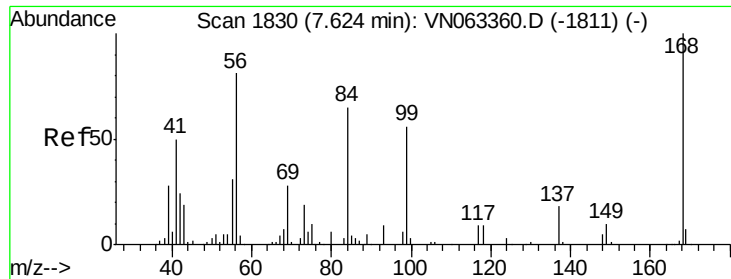
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063482.D

Acq: 21 Sep 2020 13:46

Instrument :

MSVOA_N

ClientSampled :

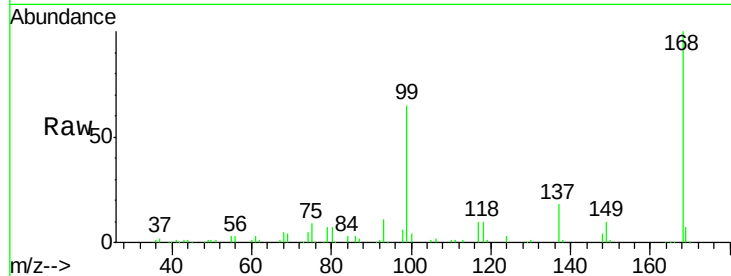
16718DL

Tot Ion:168 Resp: 229114

Ion Ratio Lower Upper

168 100

99 65.4 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

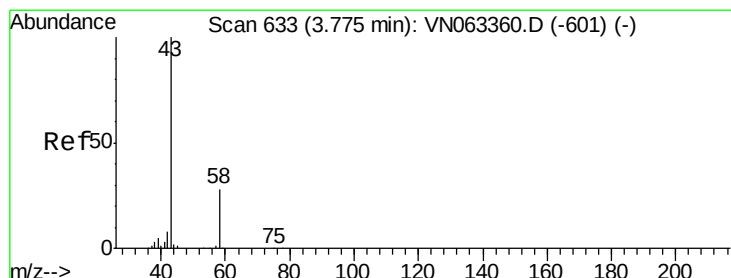
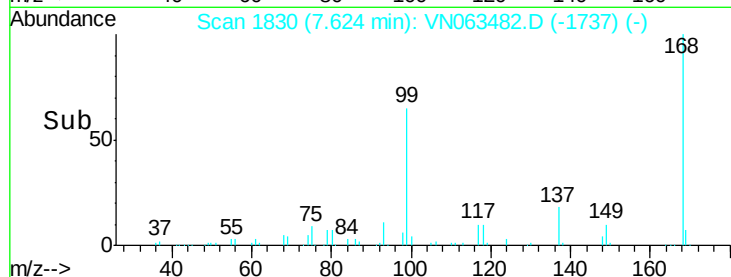
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 27.417 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063482.D

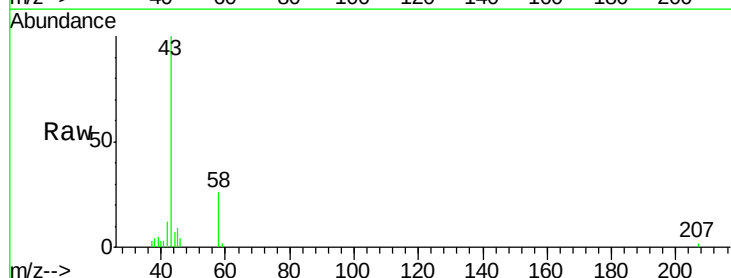
Acq: 21 Sep 2020 13:46

Tgt Ion: 43 Resp: 34365

Ion Ratio Lower Upper

43 100

58 26.9 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

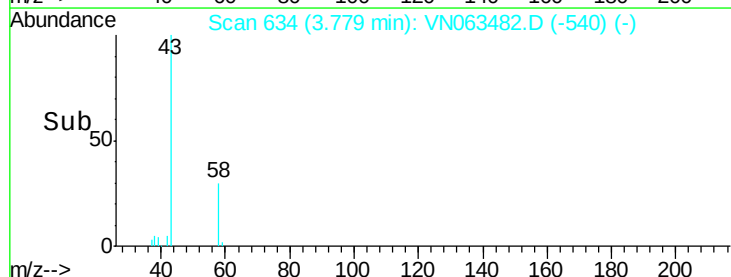
15000

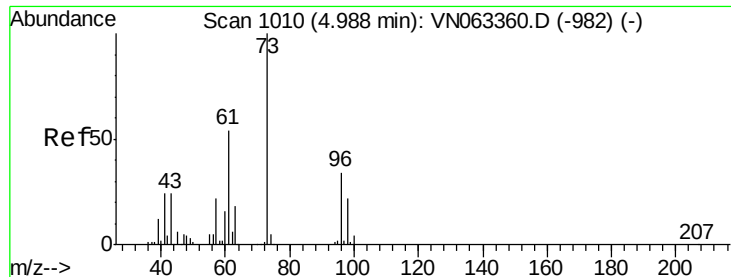
10000

5000

0

Time--> 3.70 3.80 3.90



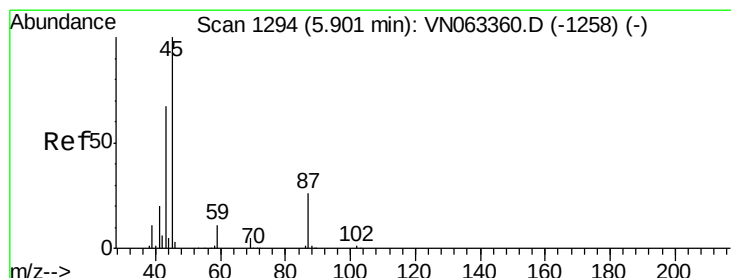
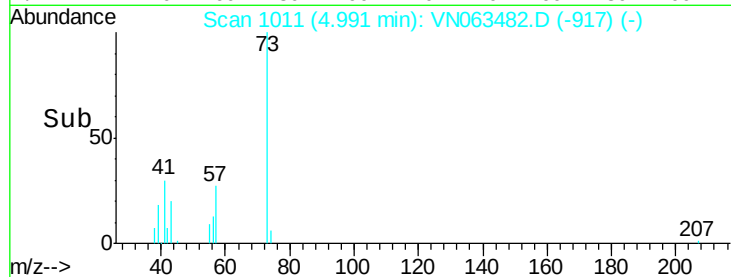
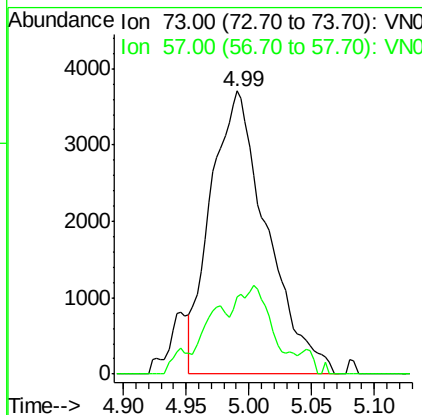
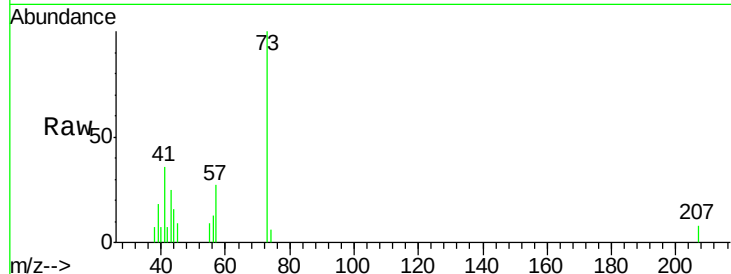


#19

Methyl tert-butyl Ether
 Concen: 1.197 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN063482.D
 Acq: 21 Sep 2020 13:46

Instrument :
 MSVOA_N
 ClientSampleID :
 16718DL

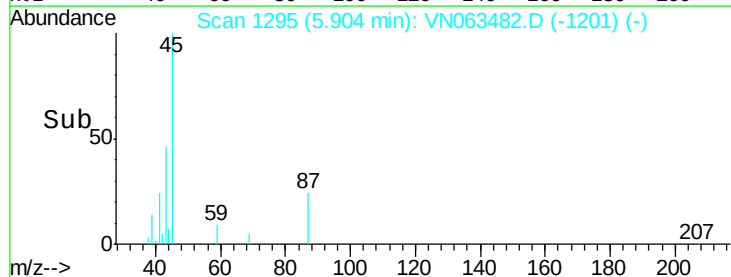
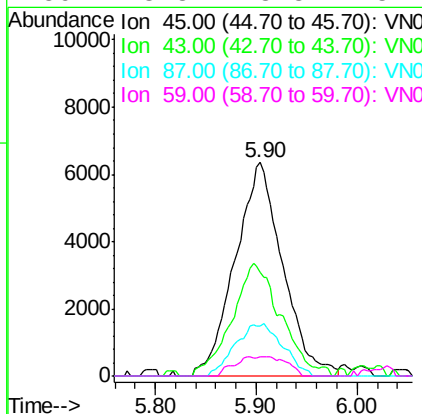
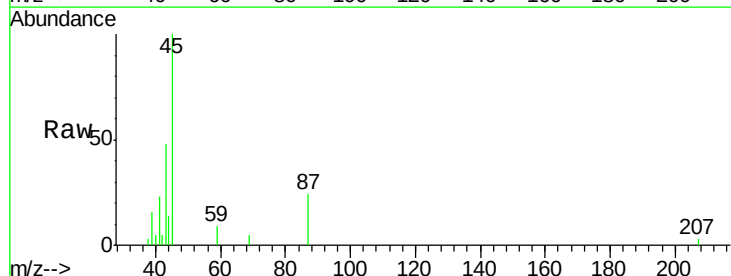
Tot Ion: 73 Resp: 11537
 Ion Ratio Lower Upper
 73 100
 57 27.1 17.9 26.9#

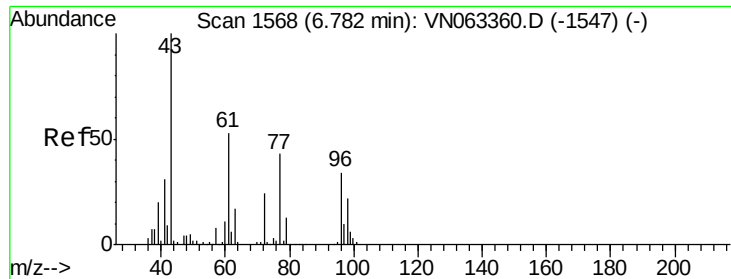


#22

Diisopropyl ether
 Concen: 1.988 ug/l
 RT: 5.90 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: VN063482.D
 Acq: 21 Sep 2020 13:46

Tgt Ion: 45 Resp: 20740
 Ion Ratio Lower Upper
 45 100
 43 48.4 53.5 80.3#
 87 23.5 21.2 31.8
 59 8.8 8.8 13.2#





#25

2-Butanone

Concen: 8.876 ug/l

RT: 6.79 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN063482.D

Acq: 21 Sep 2020 13:46

Instrument :

MSVOA_N

ClientSampled :

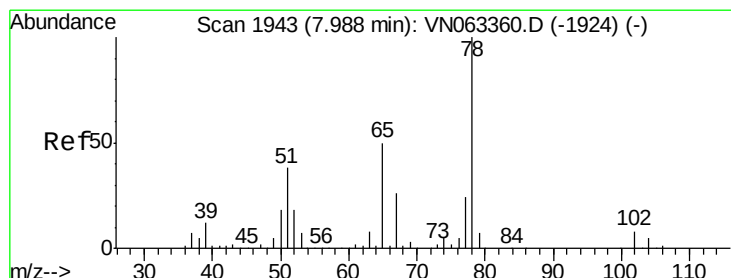
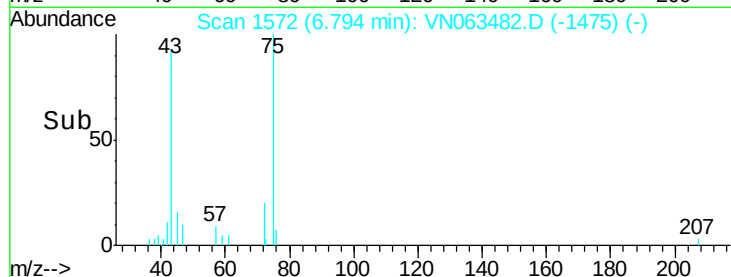
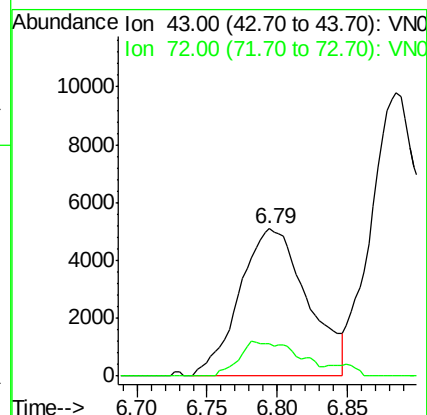
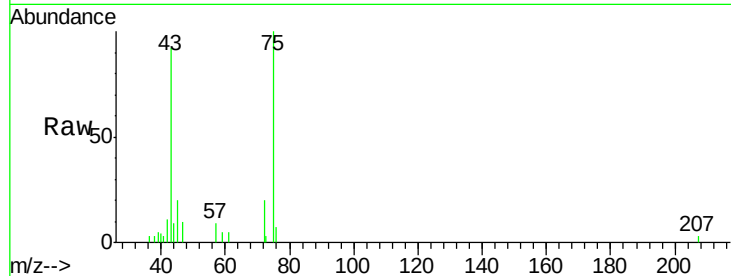
16718DL

Tot Ion: 43 Resp: 17111

Ion Ratio Lower Upper

43 100

72 21.6 19.2 28.8



#33

1,2-Dichloroethane-d4

Concen: 47.854 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN063482.D

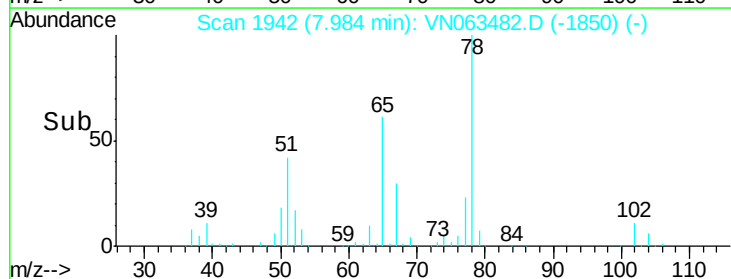
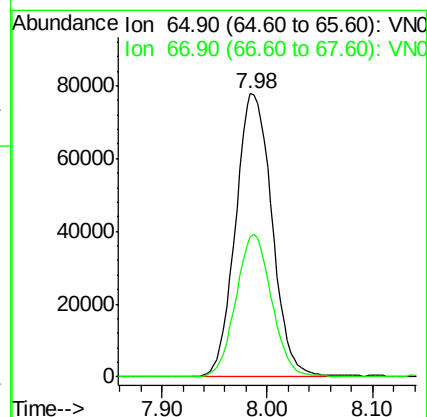
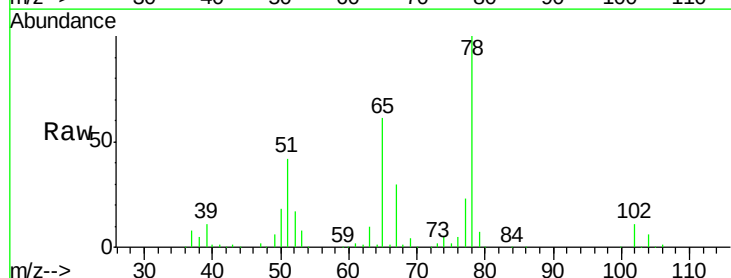
Acq: 21 Sep 2020 13:46

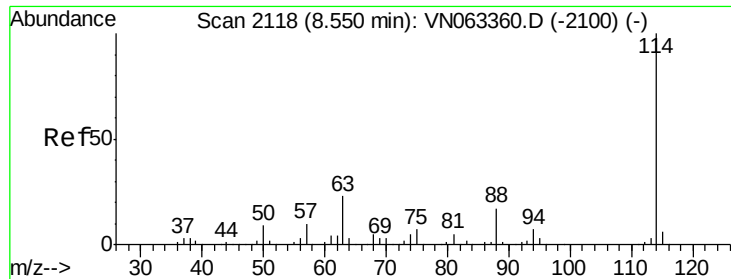
Tgt Ion: 65 Resp: 186637

Ion Ratio Lower Upper

65 100

67 49.3 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: VN063482.D

Acq: 21 Sep 2020 13:46

Instrument :

MSVOA_N

ClientSampleId :

16718DL

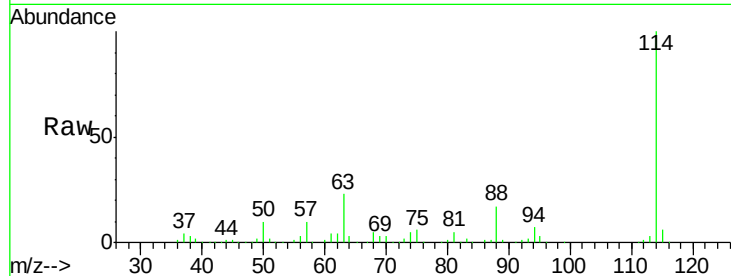
Tot Ion:114 Resp: 418481

Ion Ratio Lower Upper

114 100

63 23.4 0.0 46.4

88 16.9 0.0 33.2

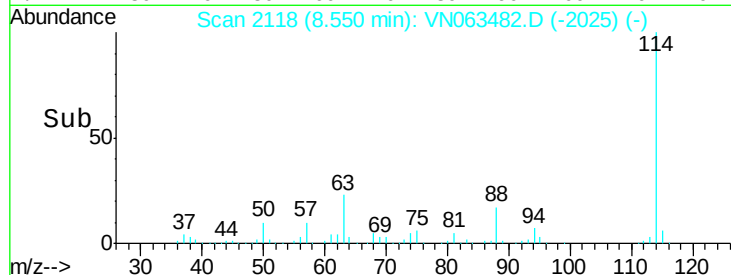


Abundance Ion 113.90 (113.60 to 114.60): V

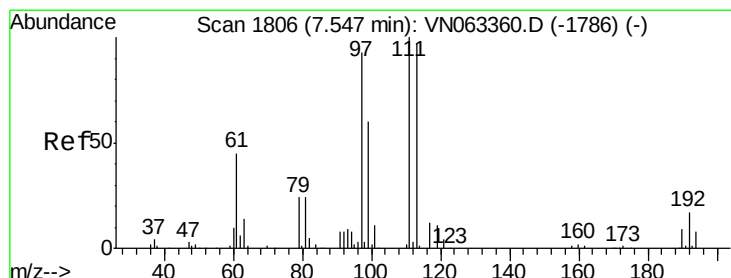
Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

Time-->



Time-->



#35

Dibromofluoromethane

Concen: 46.135 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN063482.D

Acq: 21 Sep 2020 13:46

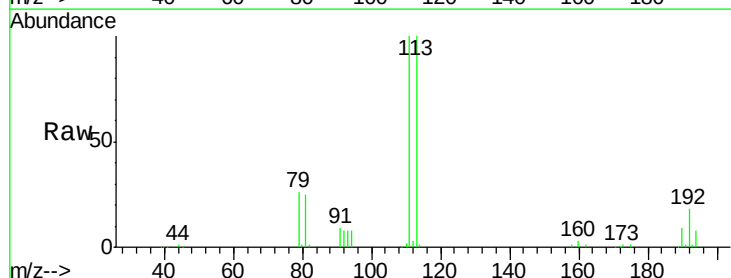
Tgt Ion:113 Resp: 133655

Ion Ratio Lower Upper

113 100

111 103.8 82.9 124.3

192 17.7 13.9 20.9

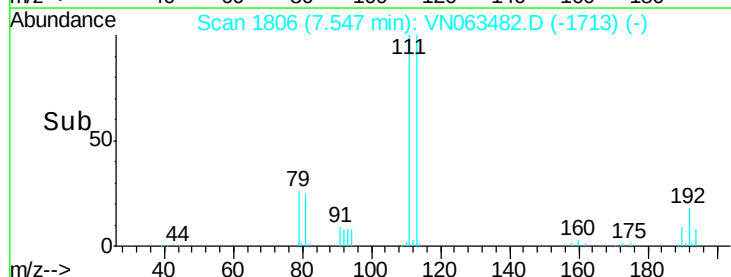


Abundance Ion 112.80 (112.50 to 113.50): V

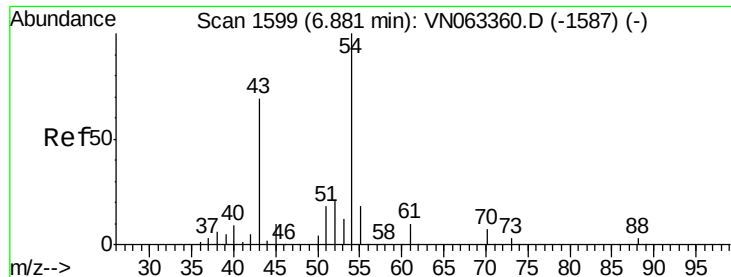
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time-->



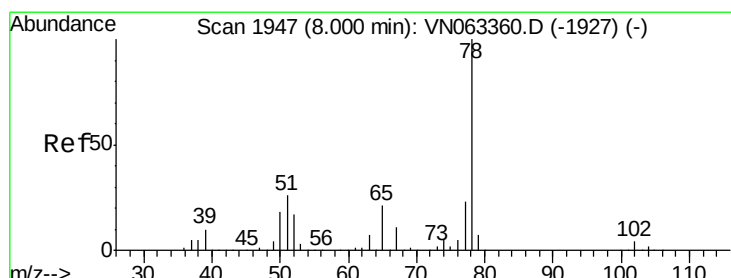
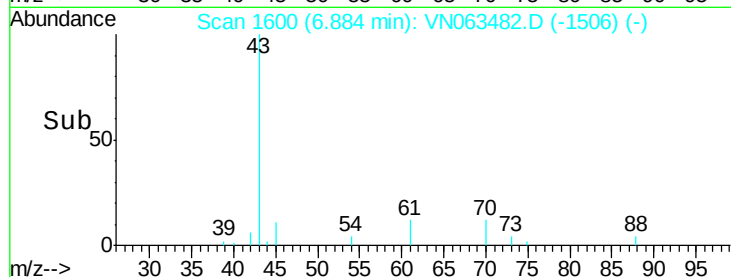
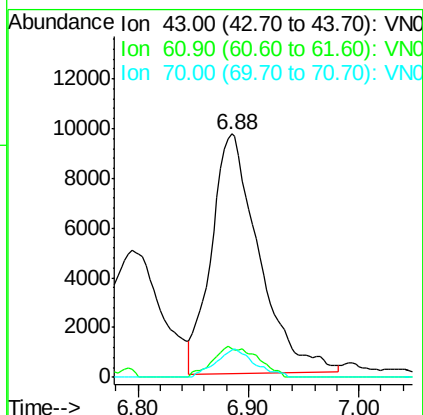
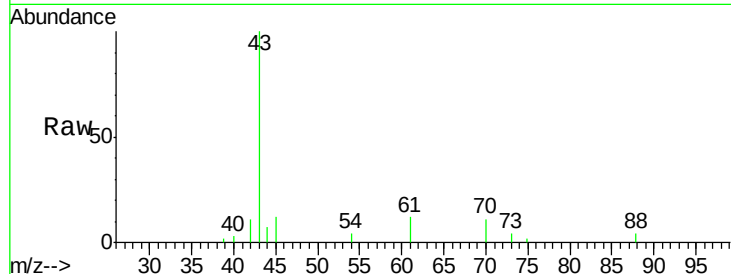
Time-->



#37
Ethyl Acetate
Concen: 6.581 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063482.D
Acq: 21 Sep 2020 13:46

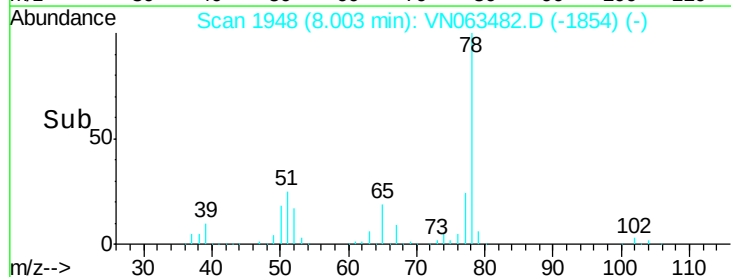
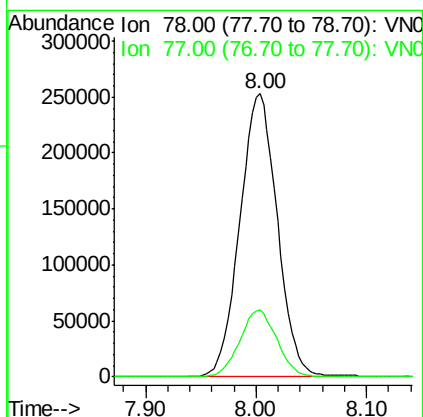
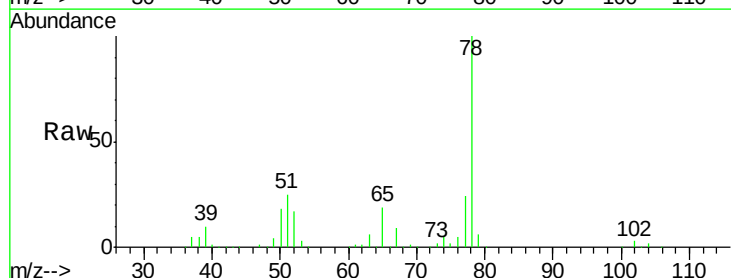
Instrument :
MSVOA_N
ClientSampleID :
16718DL

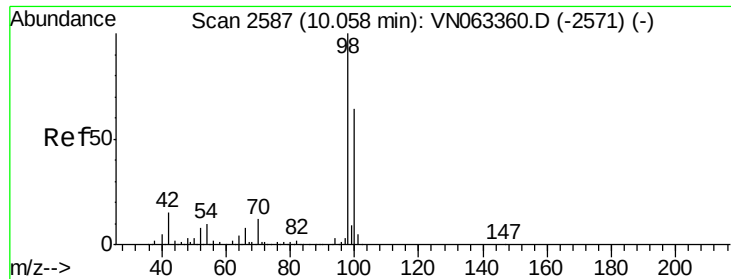
Tot Ion: 43 Resp: 28798
Ion Ratio Lower Upper
43 100
61 12.2 10.6 15.8
70 9.7 7.2 10.8



#40
Benzene
Concen: 46.654 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063482.D
Acq: 21 Sep 2020 13:46

Tgt Ion: 78 Resp: 593759
Ion Ratio Lower Upper
78 100
77 23.5 18.3 27.5





#50

Toluene-d8

Concen: 49.395 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063482.D

Acq: 21 Sep 2020 13:46

Instrument :

MSVOA_N

ClientSampleId :

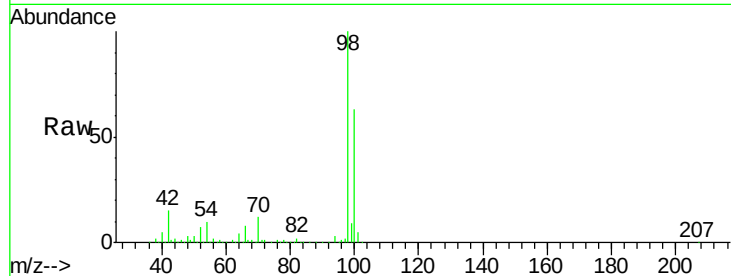
16718DL

Tot Ion: 98 Resp: 538087

Ion Ratio Lower Upper

98 100

100 63.4 50.7 76.1



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

Ion 100.00 (99.70 to 100.70): VN063360.D (-2571) (-)

10.06

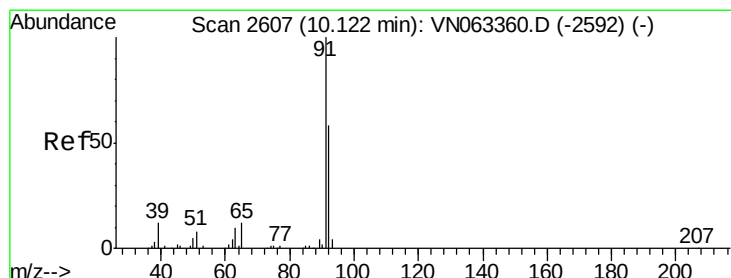
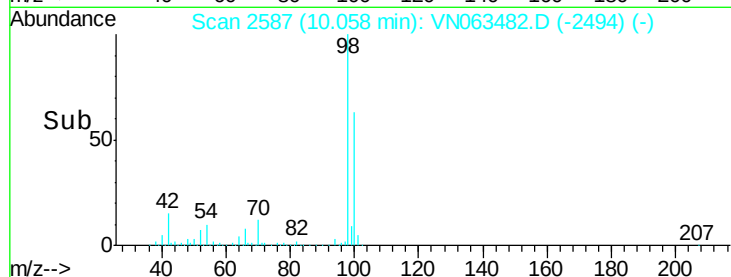
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 81.338 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063482.D

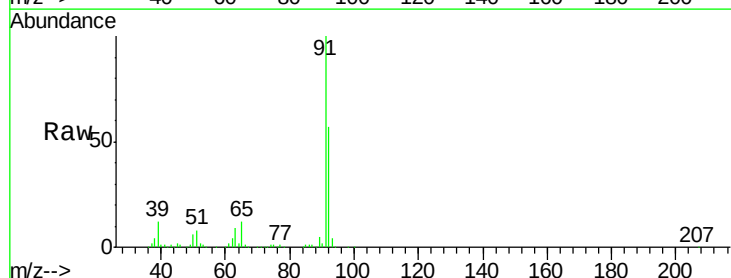
Acq: 21 Sep 2020 13:46

Tgt Ion: 92 Resp: 622384

Ion Ratio Lower Upper

92 100

91 174.2 139.7 209.5



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

Ion 91.00 (90.70 to 91.70): VN063360.D (-2592) (-)

10.13

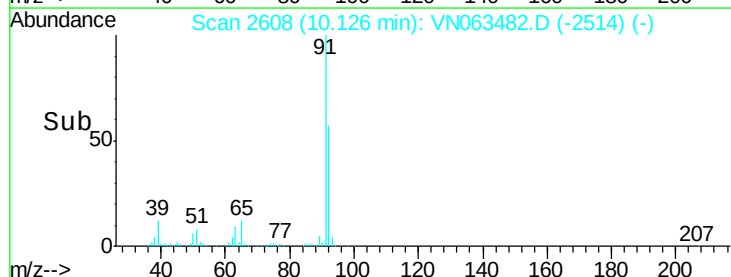
600000

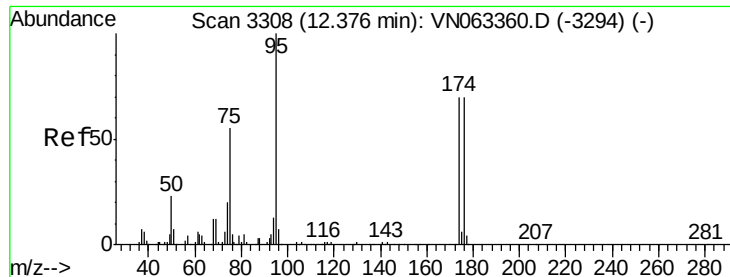
400000

200000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 55.412 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063482.D

Acq: 21 Sep 2020 13:46

Instrument :

MSVOA_N

ClientSampleId :

16718DL

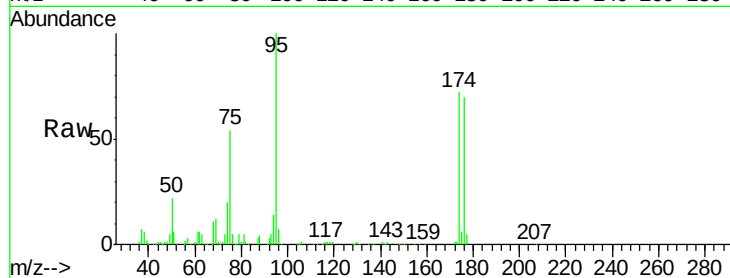
Tot Ion: 95 Resp: 221281

Ion Ratio Lower Upper

95 100

174 71.7 0.0 140.8

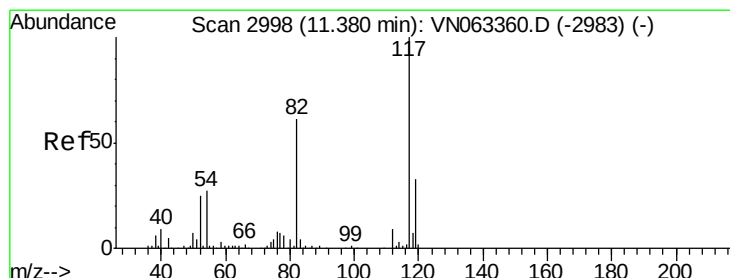
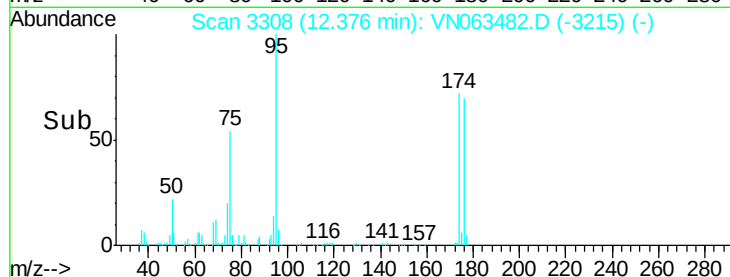
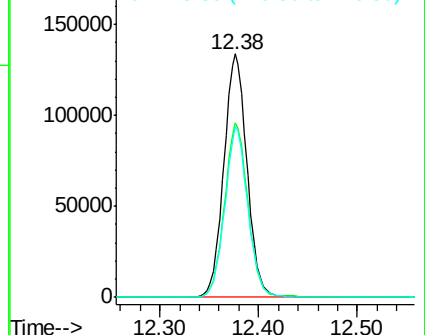
176 69.8 0.0 137.6



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: VN063482.D

Acq: 21 Sep 2020 13:46

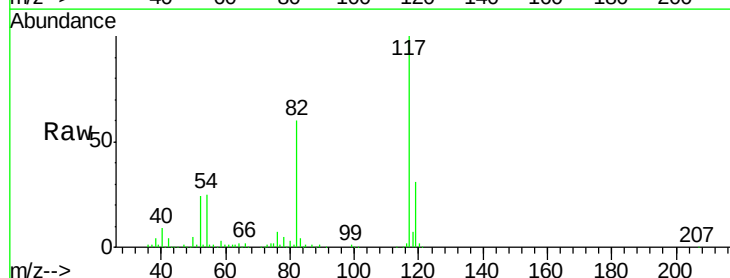
Tgt Ion: 117 Resp: 425385

Ion Ratio Lower Upper

117 100

82 59.9 49.2 73.8

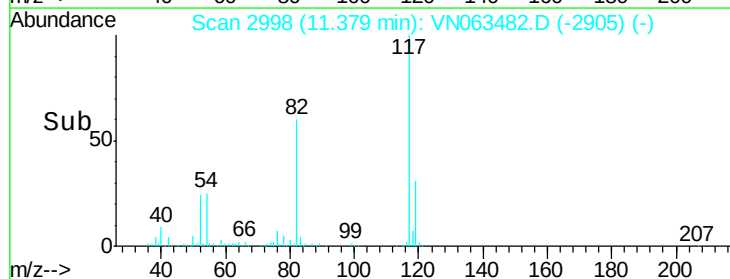
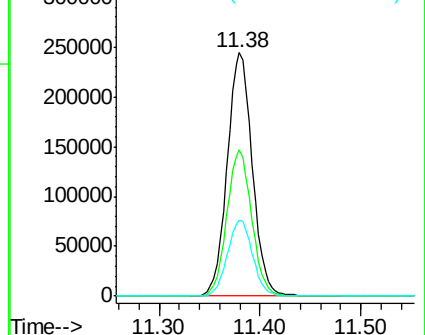
119 31.4 26.2 39.4

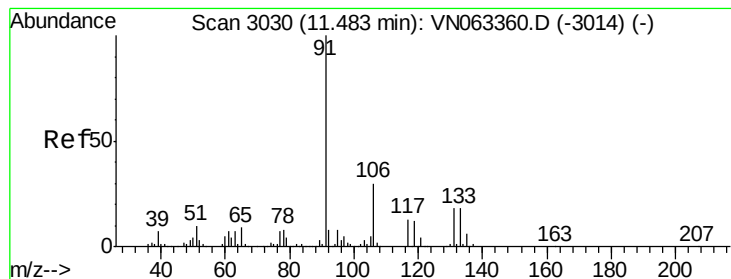


Abundance Ion 116.90 (116.60 to 117.60): VN063360.D (-2983) (-)

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: 4.486 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN063482.D

Acq: 21 Sep 2020 13:46

Instrument :

MSVOA_N

ClientSampled :

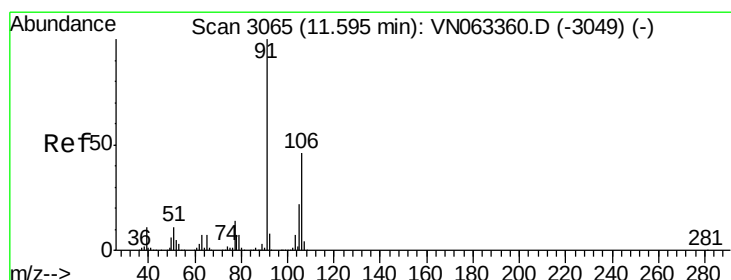
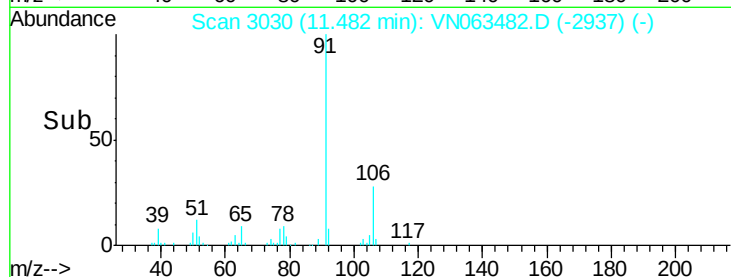
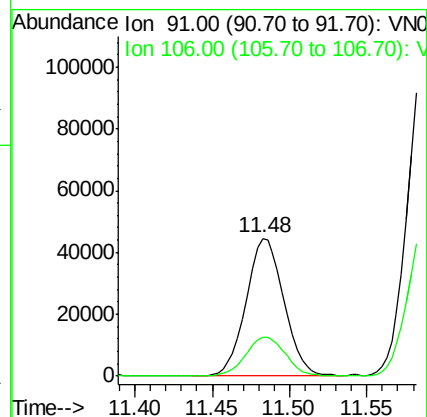
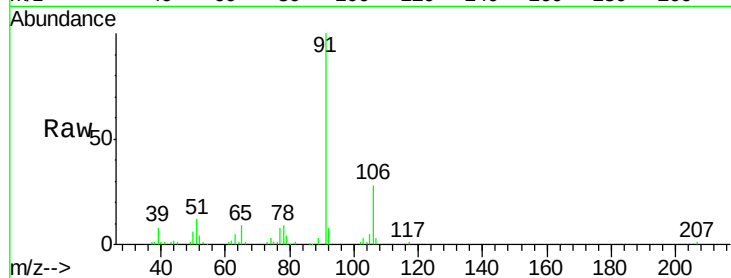
16718DL

Tot Ion: 91 Resp: 76288

Ion Ratio Lower Upper

91 100

106 28.4 23.8 35.6



#68

m/p-Xylenes

Concen: 17.922 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN063482.D

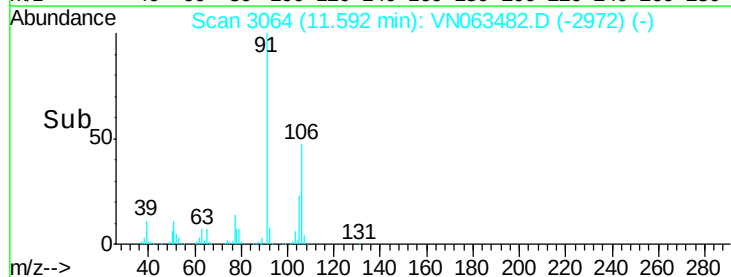
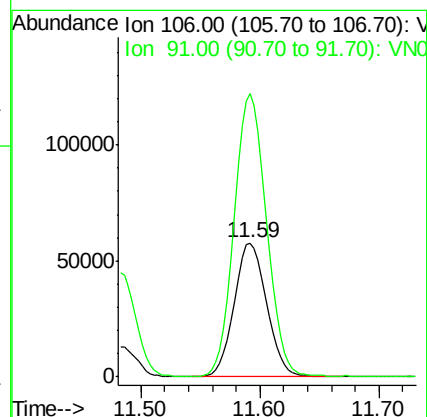
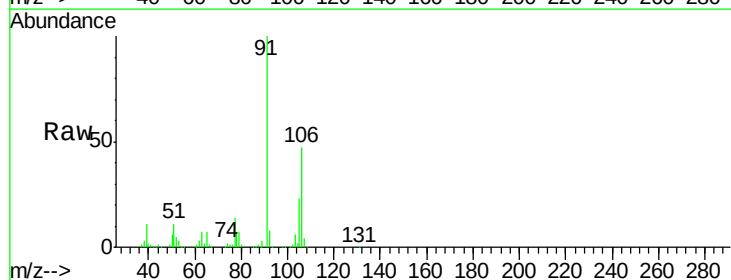
Acq: 21 Sep 2020 13:46

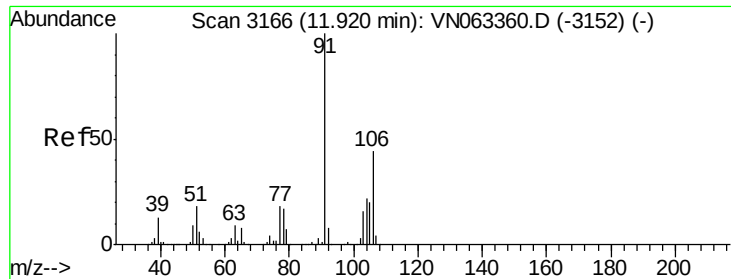
Tgt Ion: 106 Resp: 109879

Ion Ratio Lower Upper

106 100

91 207.6 171.2 256.8

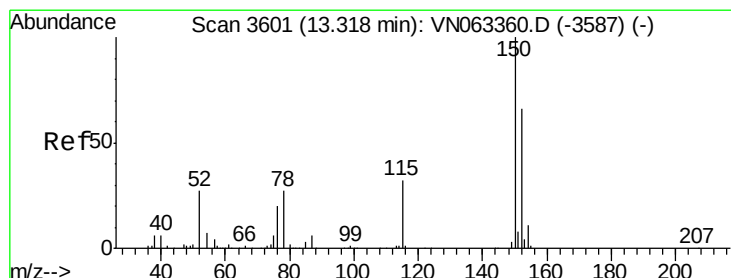
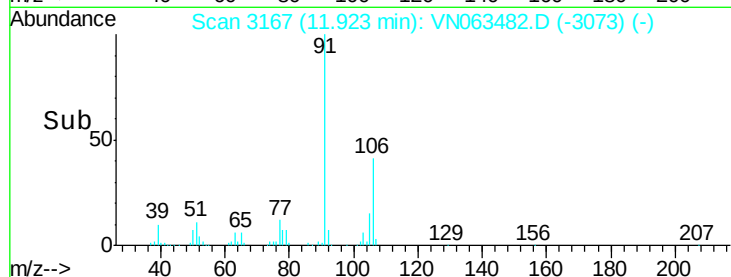
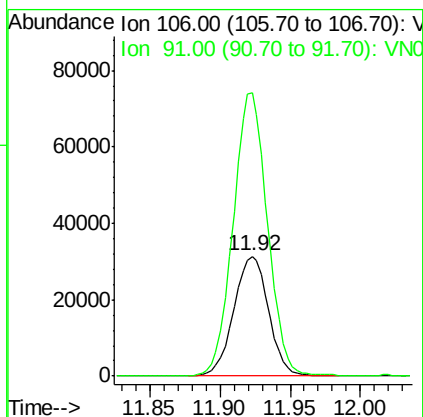
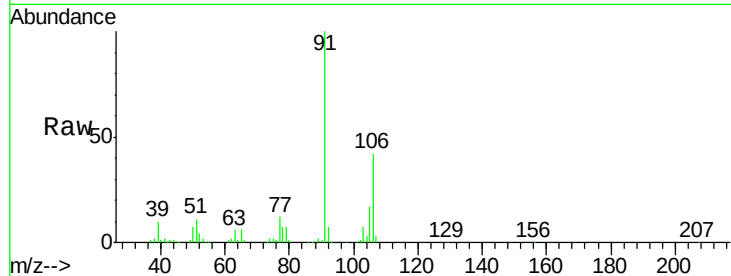




#69
o-Xylene
Concen: 9.286 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063482.D
Acq: 21 Sep 2020 13:46

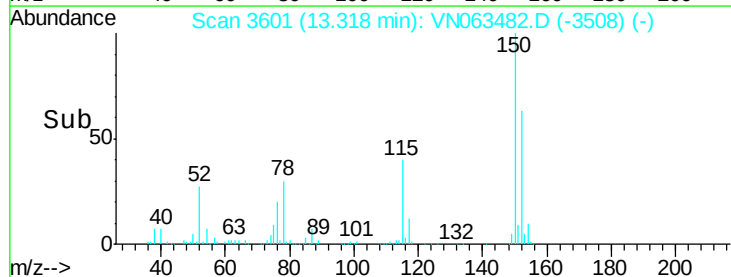
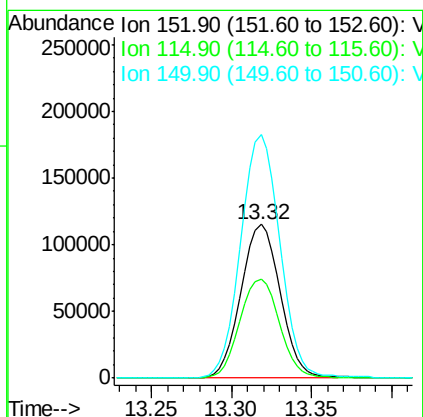
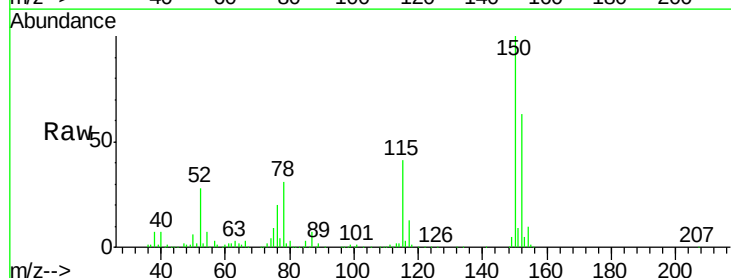
Instrument :
MSVOA_N
ClientSampled :
16718DL

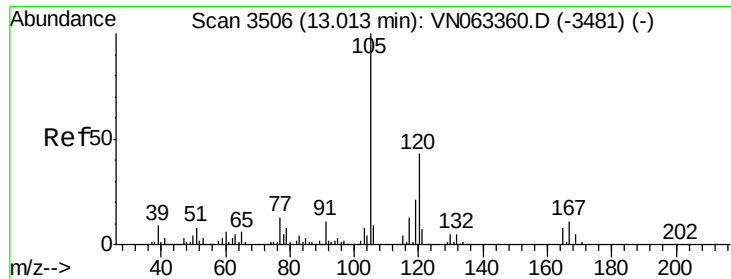
Tot Ion:106 Resp: 54232
Ion Ratio Lower Upper
106 100
91 232.1 113.6 340.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063482.D
Acq: 21 Sep 2020 13:46

Tgt Ion:152 Resp: 193032
Ion Ratio Lower Upper
152 100
115 66.0 32.2 96.6
150 158.7 0.0 343.4

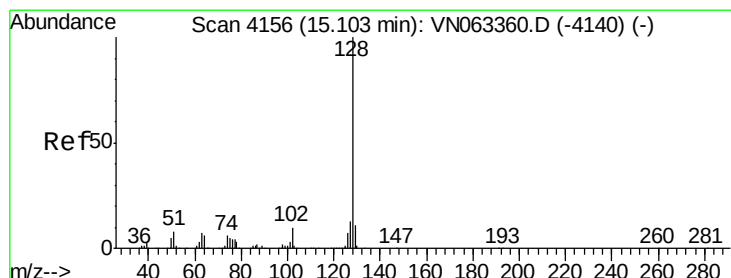
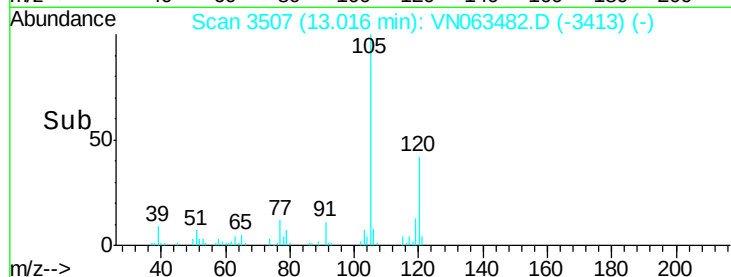
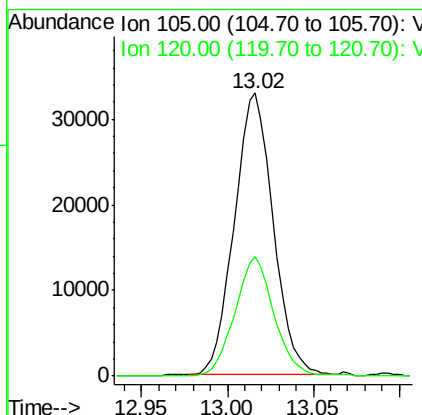
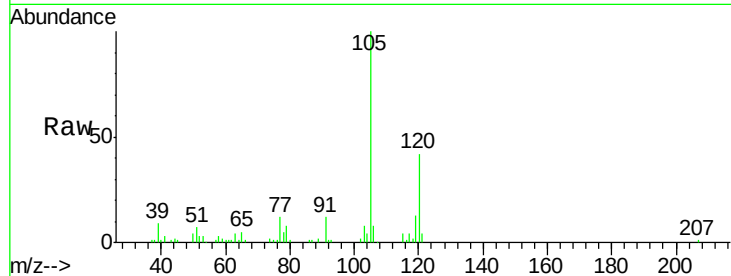




#84
 1,2,4-Trimethylbenzene
 Concen: 3.960 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063482.D
 Acq: 21 Sep 2020 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 16718DL

Tot Ion:105 Resp: 51597
 Ion Ratio Lower Upper
 105 100
 120 42.2 21.3 63.9



#95
 Naphthalene
 Concen: 1.700 ug/l
 RT: 15.11 min Scan# 4157
 Delta R.T. 0.00 min
 Lab File: VN063482.D
 Acq: 21 Sep 2020 13:46

Tgt Ion:128 Resp: 20971
 Ion Ratio Lower Upper
 128 100
 127 14.5 10.6 15.8
 129 12.6 8.8 13.2

