

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063481.D
 Acq On : 21 Sep 2020 13:22
 Operator : JC/MD
 Sample : L3952-14DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40556DL

Quant Time: Sep 22 03:04:59 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	240963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	447176	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	449013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	206781	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	200299	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
35) Dibromofluoromethane	7.55	113	146289	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	
50) Toluene-d8	10.06	98	586099	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.38	95	232352	54.45	ug/l	0.00
Spiked Amount			Recovery	=	108.90%	

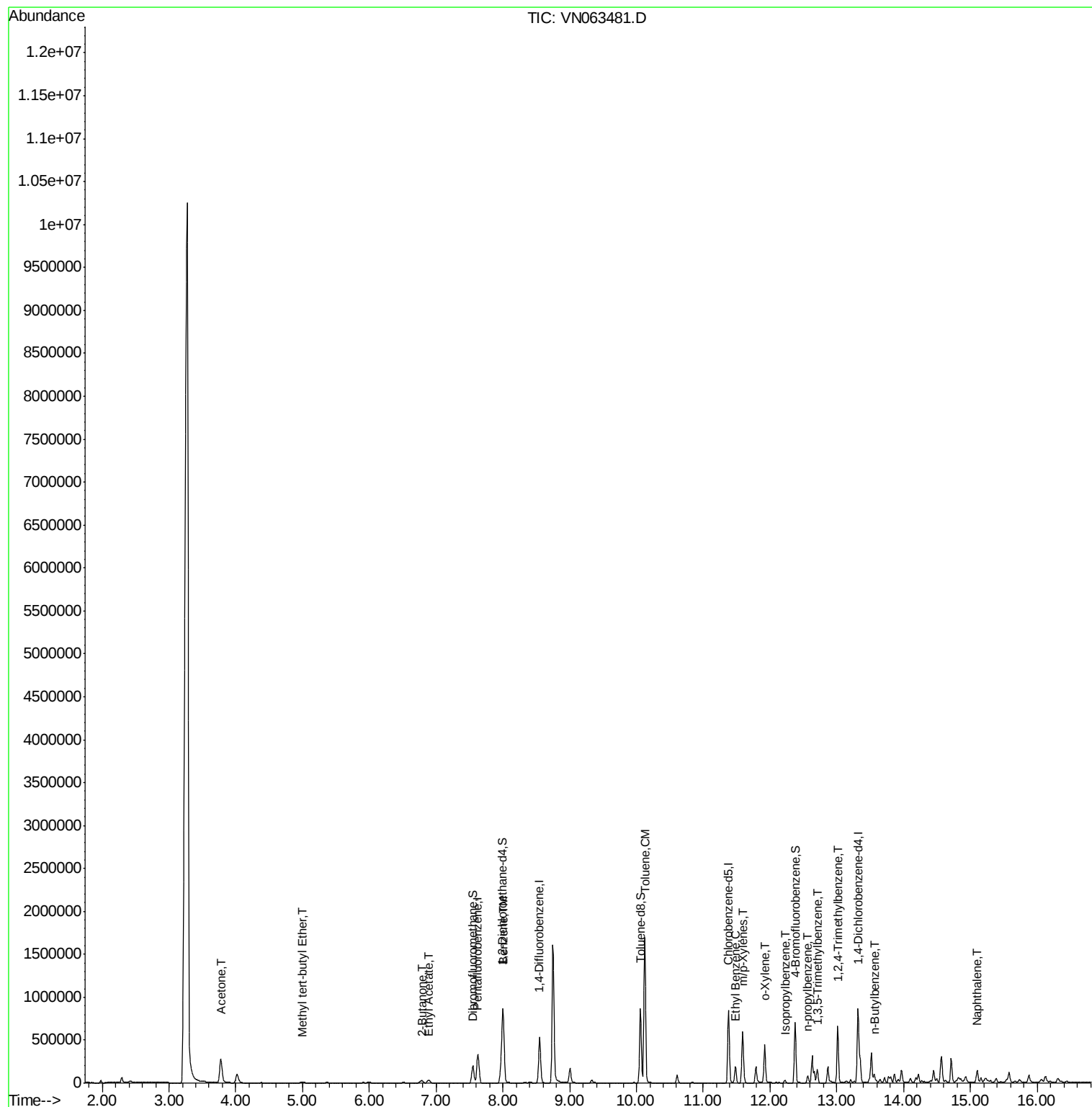
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	479249	363.547	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	24268	2.395	ug/l	96
25) 2-Butanone	6.79	43	15633	7.711	ug/l	94
37) Ethyl Acetate	6.89	43	55749	11.923	ug/l #	97
40) Benzene	8.00	78	716106	52.657	ug/l	98
52) Toluene	10.13	92	709247	86.742	ug/l	99
67) Ethyl Benzene	11.48	91	140019	7.801	ug/l	99
68) m/p-Xylenes	11.59	106	183527	28.359	ug/l	96
69) o-Xylene	11.92	106	112957	18.323	ug/l	96
73) Isopropylbenzene	12.22	105	20963	1.265	ug/l	97
78) n-propylbenzene	12.57	91	62672	3.247	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	77982	5.644	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	366688	26.273	ug/l	100
89) n-Butylbenzene	13.59	91	12522	1.009	ug/l #	75
95) Naphthalene	15.10	128	109769	8.309	ug/l	99

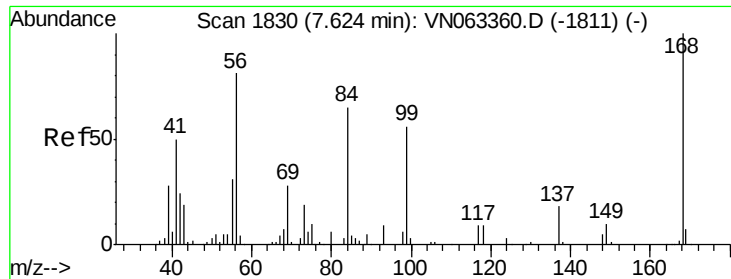
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

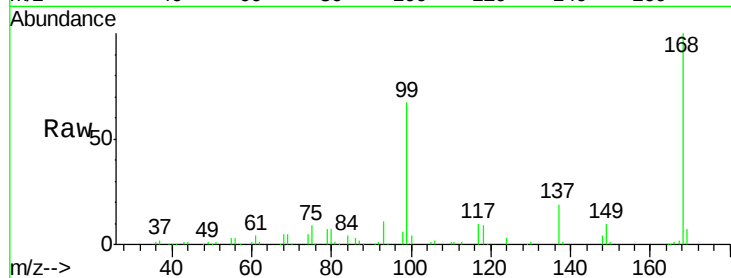
40556DL

Tot Ion:168 Resp: 240963

Ion Ratio Lower Upper

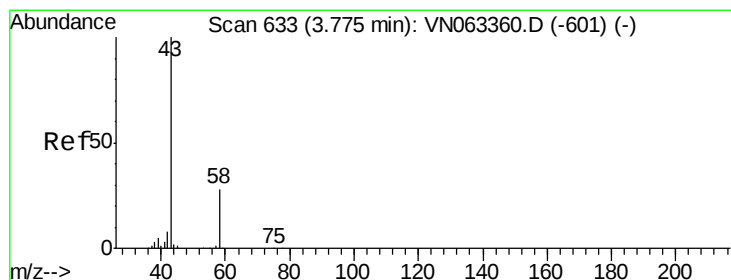
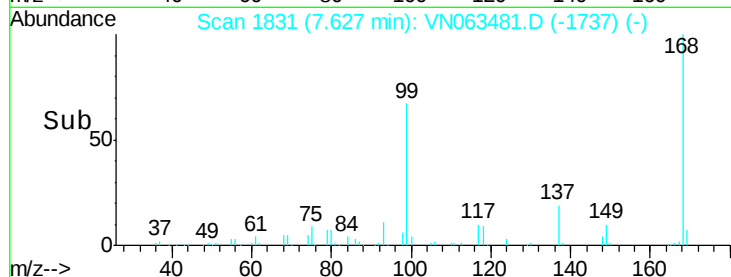
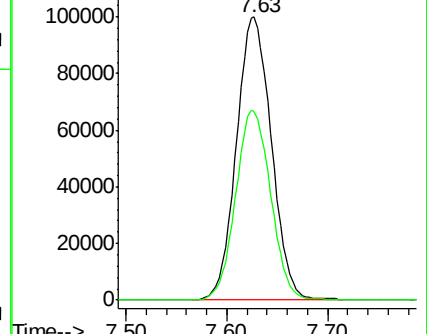
168 100

99 66.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 363.547 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN063481.D

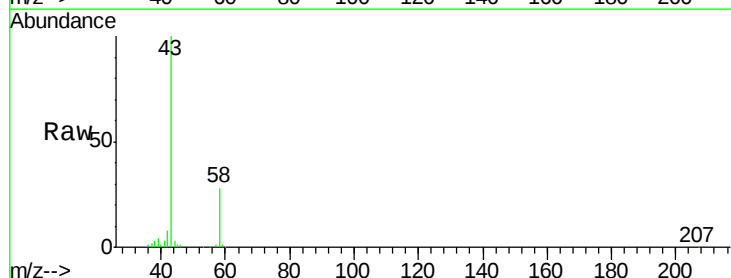
Acq: 21 Sep 2020 13:22

Tgt Ion: 43 Resp: 479249

Ion Ratio Lower Upper

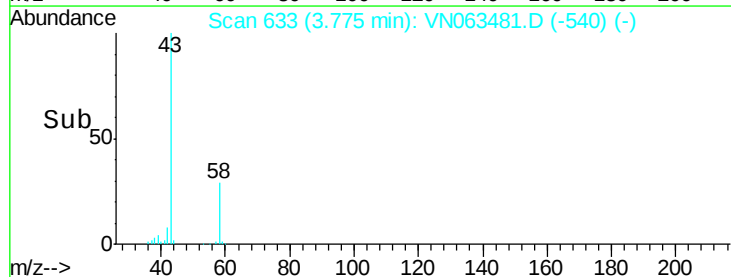
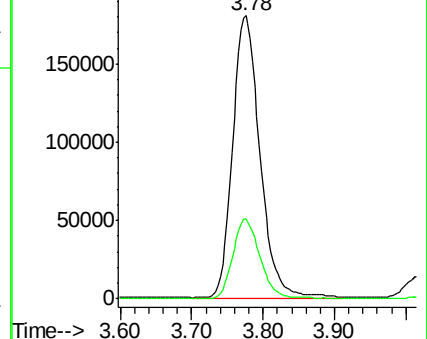
43 100

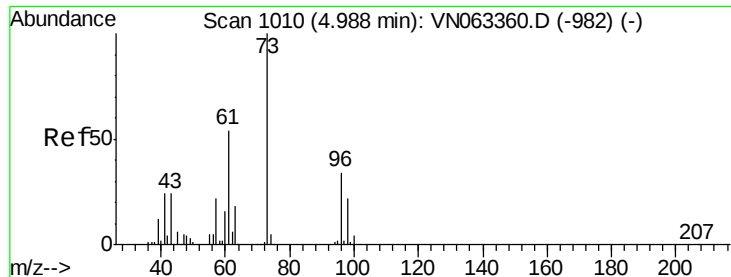
58 28.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

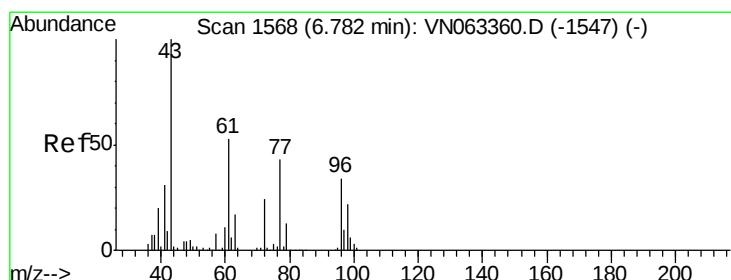
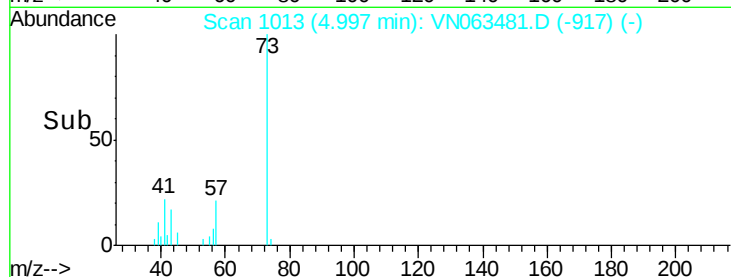
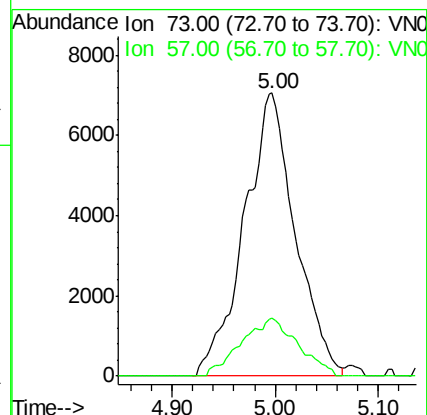
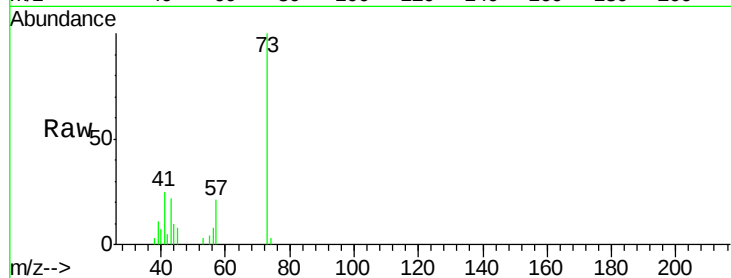




#19
Methvl tert-butvl Ether
Concen: 2.395 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN063481.D
Acq: 21 Sep 2020 13:22

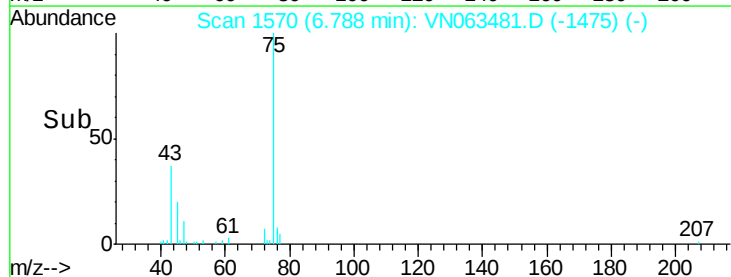
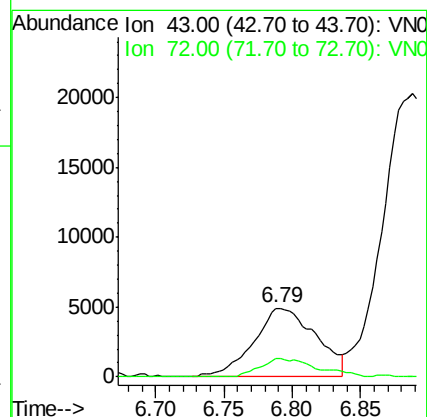
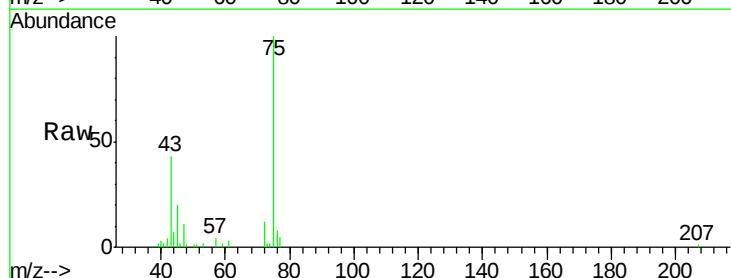
Instrument :
MSVOA_N
ClientSampleId :
40556DL

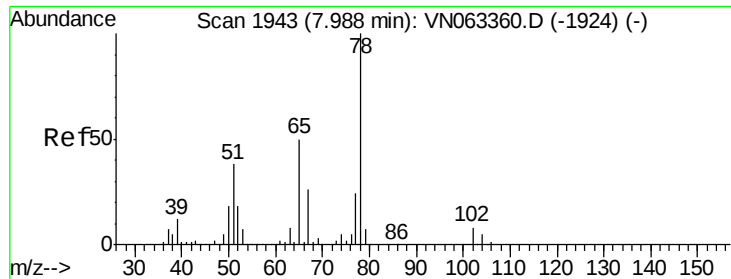
Tot Ion: 73 Resp: 24268
Ion Ratio Lower Upper
73 100
57 20.5 17.9 26.9



#25
2-Butanone
Concen: 7.711 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN063481.D
Acq: 21 Sep 2020 13:22

Tgt Ion: 43 Resp: 15633
Ion Ratio Lower Upper
43 100
72 27.2 19.2 28.8

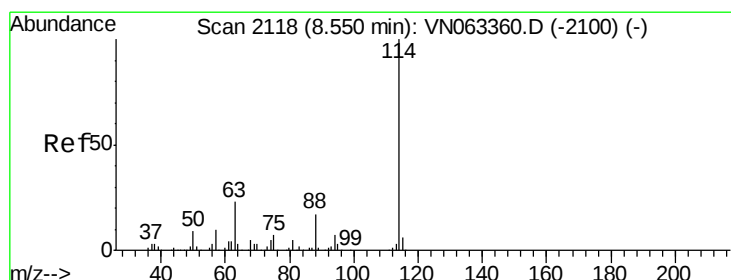
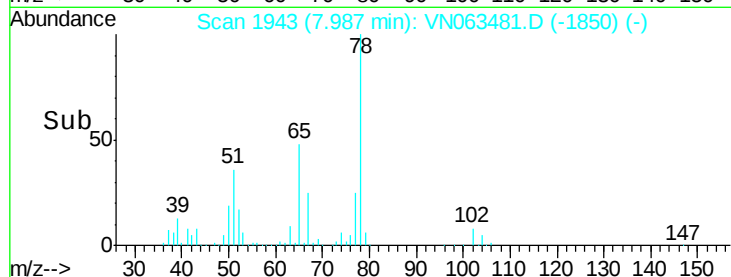
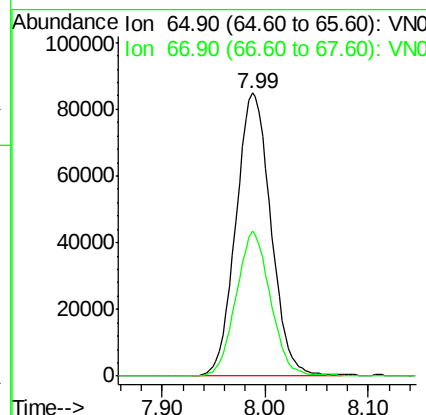
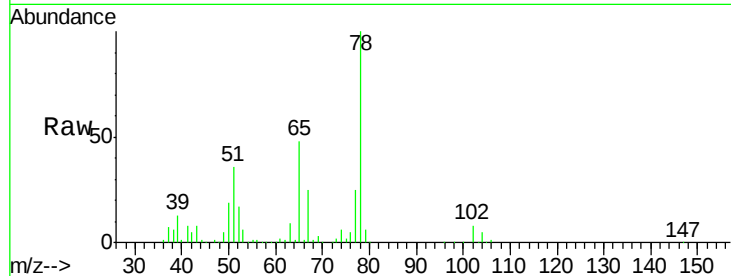




#33
 1,2-Dichloroethane-d4
 Concen: 48.832 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063481.D
 Acq: 21 Sep 2020 13:22

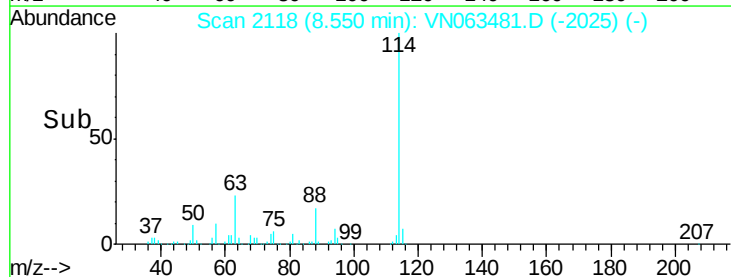
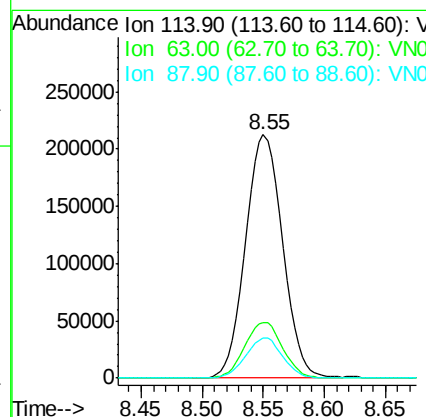
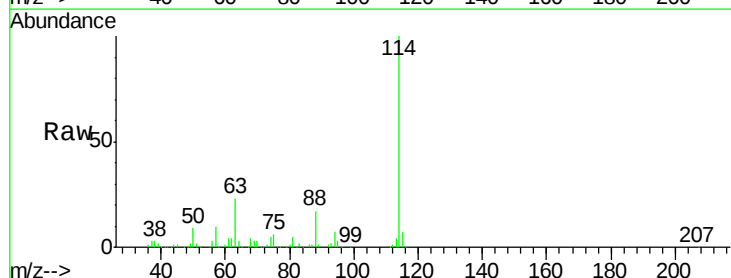
Instrument :
 MSVOA_N
 ClientSampleID :
 40556DL

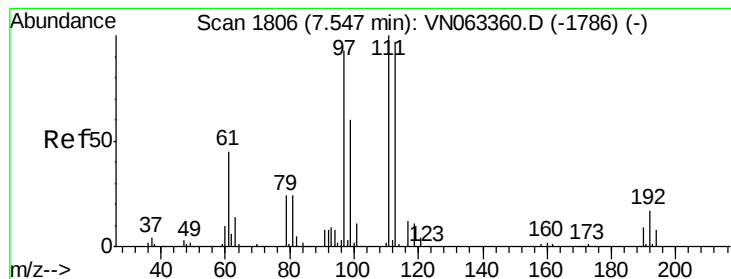
Tot Ion: 65 Resp: 200299
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063481.D
 Acq: 21 Sep 2020 13:22

Tgt Ion: 114 Resp: 447176
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 46.4
 88 16.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.255 ug/l

RT: 7.55 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

40556DL

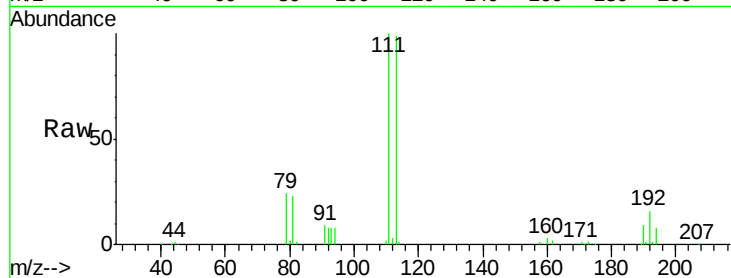
Tot Ion:113 Resp: 146289

Ion Ratio Lower Upper

113 100

111 100.2 82.9 124.3

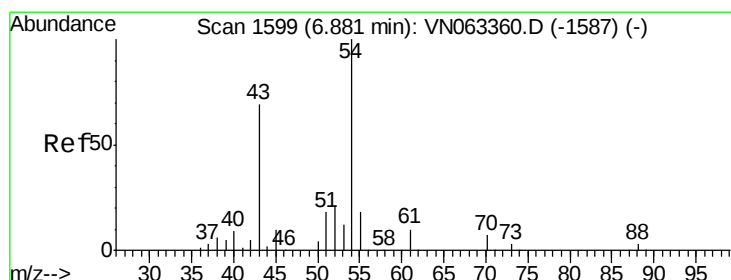
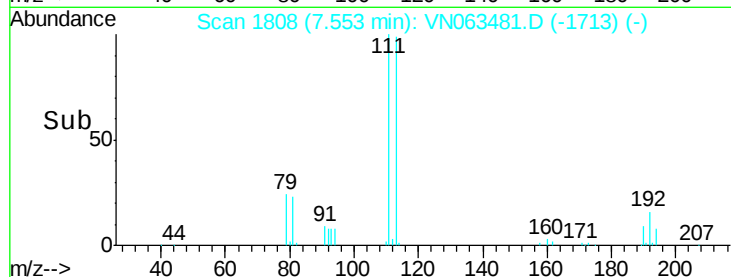
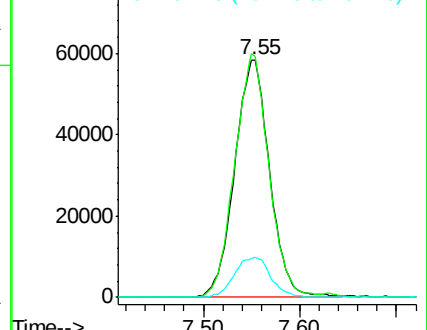
192 17.5 13.9 20.9



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: 11.923 ug/l

RT: 6.89 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

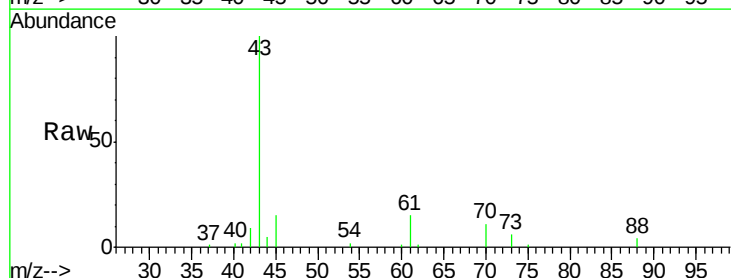
Tgt Ion: 43 Resp: 55749

Ion Ratio Lower Upper

43 100

61 13.8 10.6 15.8

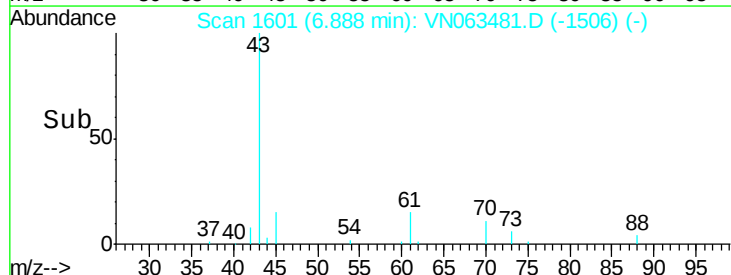
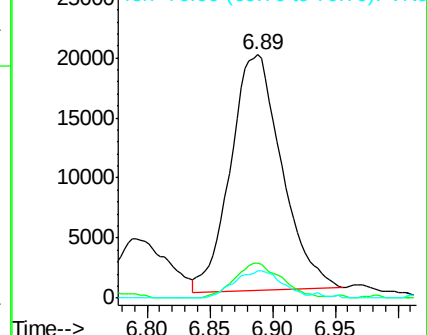
70 10.9 7.2 10.8#

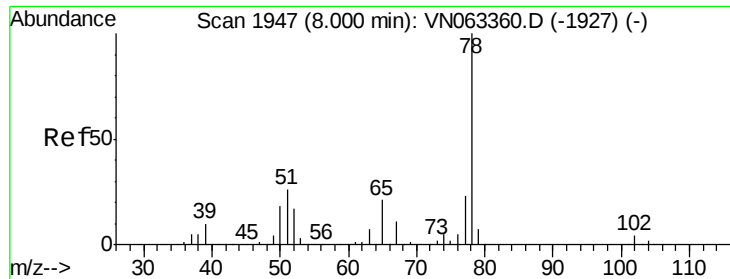


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 60.90 (60.60 to 61.60): V

Ion 70.00 (69.70 to 70.70): V





#40

Benzene

Concen: 52.657 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

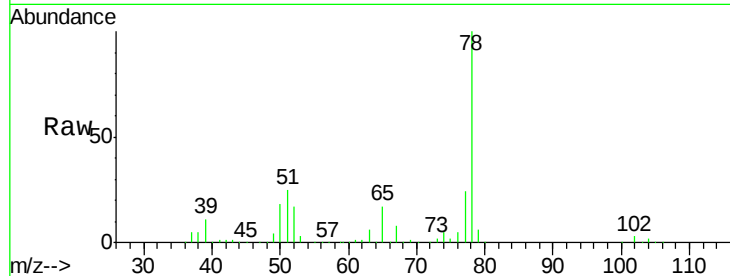
40556DL

Tot Ion: 78 Resp: 716106

Ion Ratio Lower Upper

78 100

77 23.7 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.00

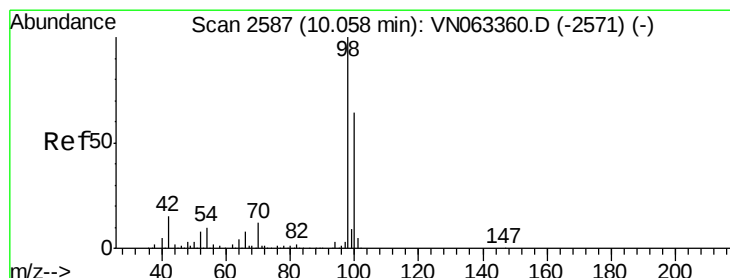
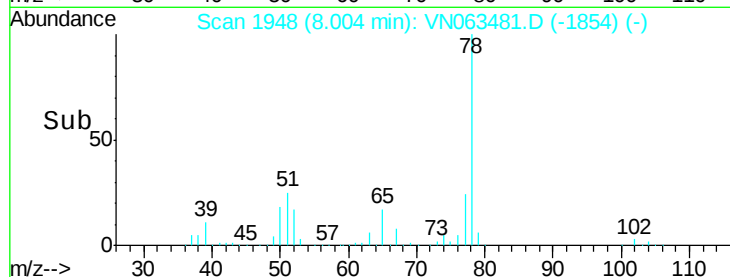
300000

200000

100000

0

Time-->



#50

Toluene-d8

Concen: 50.350 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063481.D

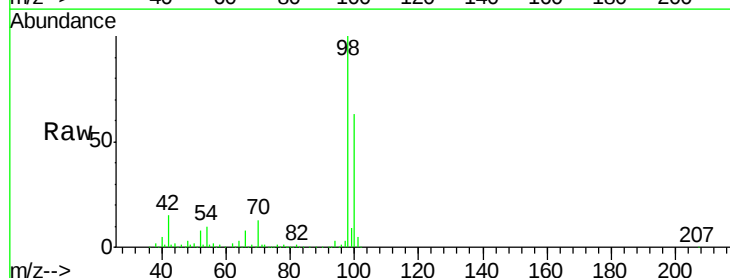
Acq: 21 Sep 2020 13:22

Tgt Ion: 98 Resp: 586099

Ion Ratio Lower Upper

98 100

100 61.9 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

10.06

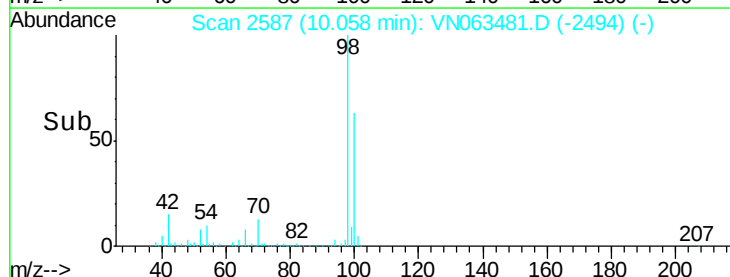
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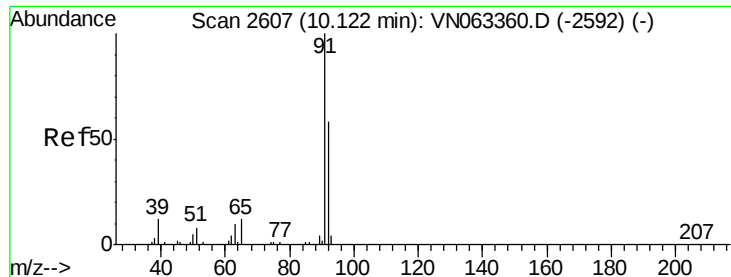
200000

100000

0

Time-->





#52

Toluene

Concen: 86.742 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

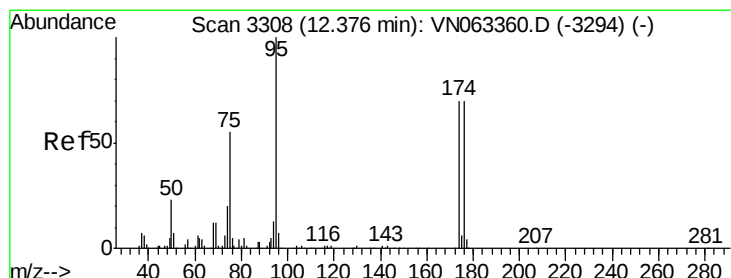
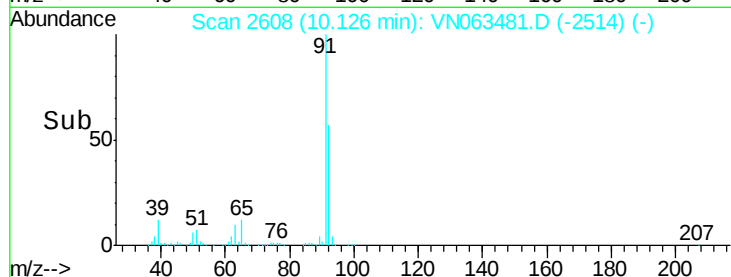
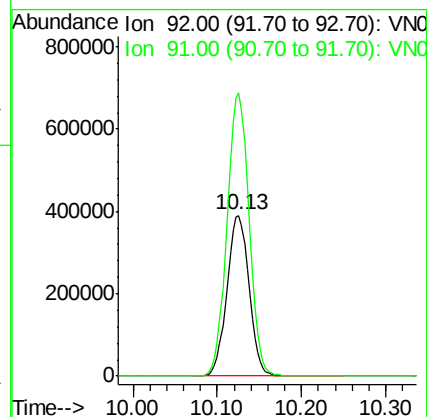
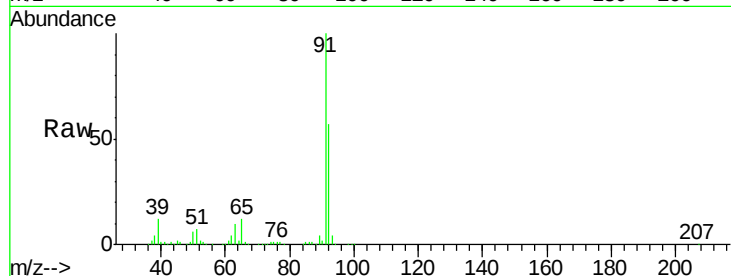
40556DL

Tot Ion: 92 Resp: 709247

Ion Ratio Lower Upper

92 100

91 175.9 139.7 209.5



#62

4-Bromofluorobenzene

Concen: 54.451 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

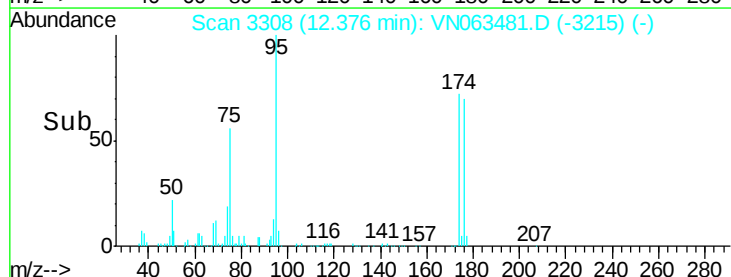
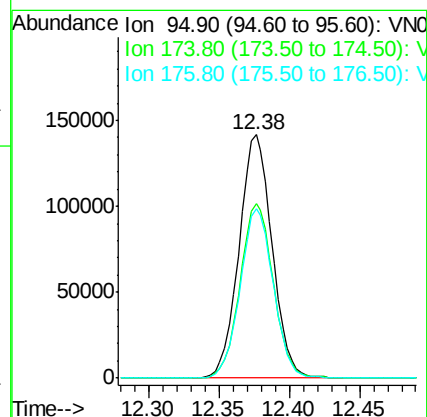
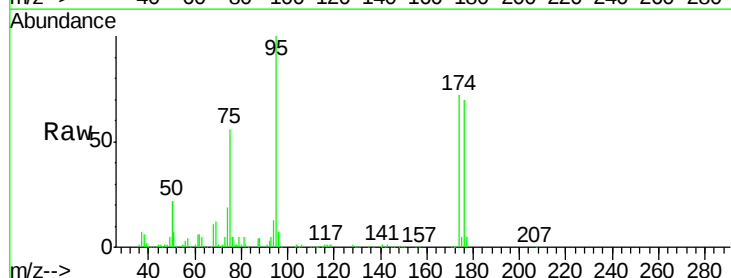
Tgt Ion: 95 Resp: 232352

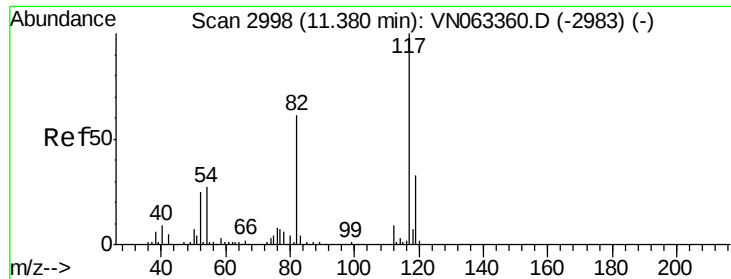
Ion Ratio Lower Upper

95 100

174 72.6 0.0 140.8

176 70.0 0.0 137.6

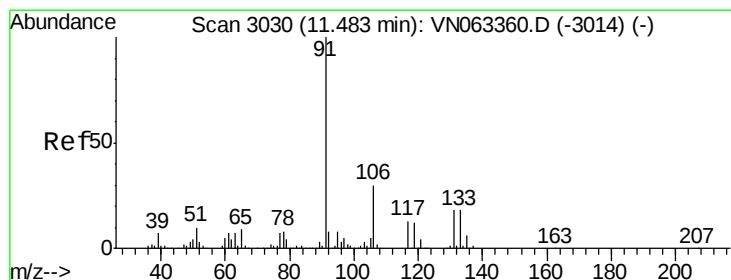
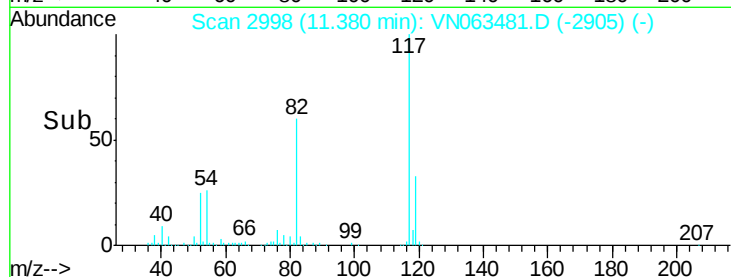
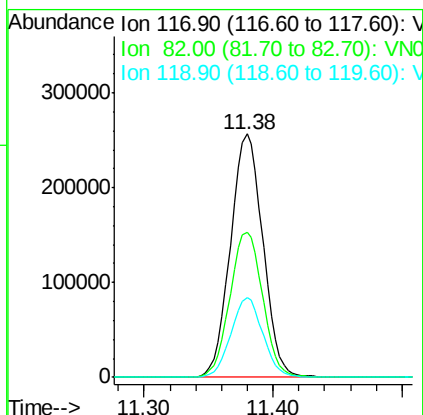
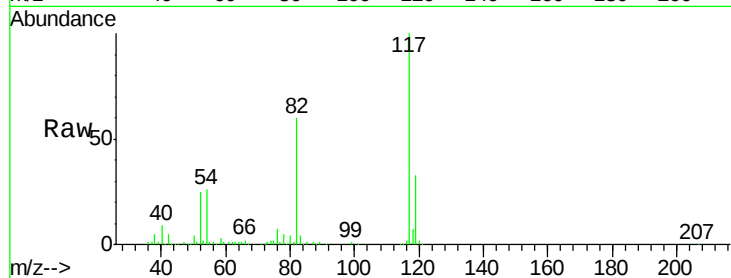




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063481.D
Acq: 21 Sep 2020 13:22

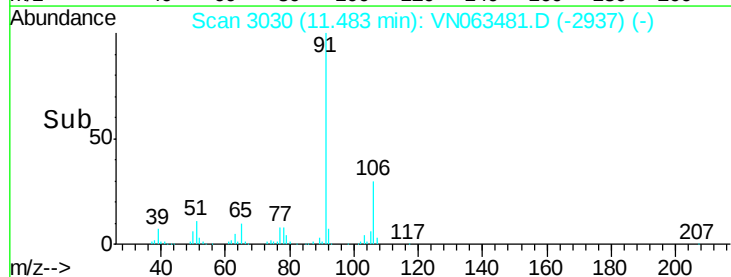
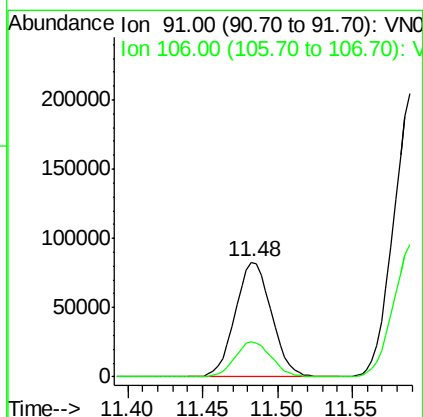
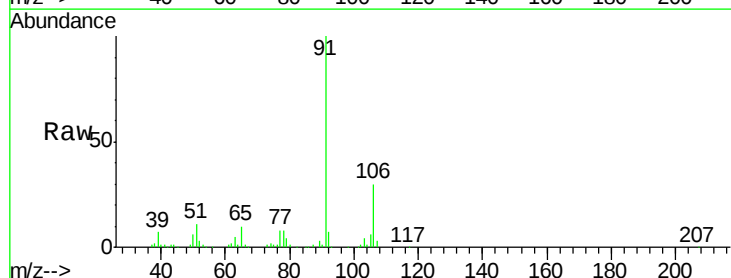
Instrument :
MSVOA_N
ClientSampleId :
40556DL

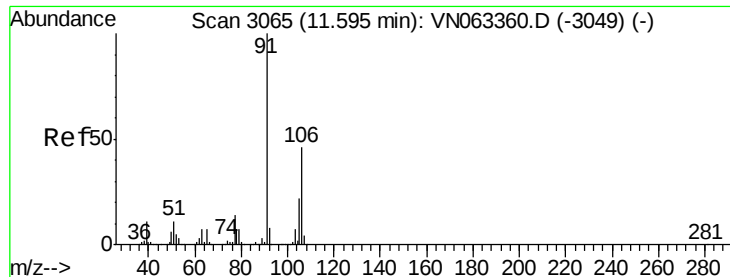
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.8	49.2	73.8
119	32.7	26.2	39.4



#67
Ethyl Benzene
Concen: 7.801 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063481.D
Acq: 21 Sep 2020 13:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.8	35.6

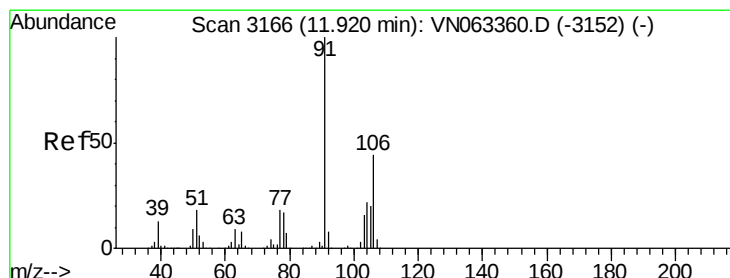
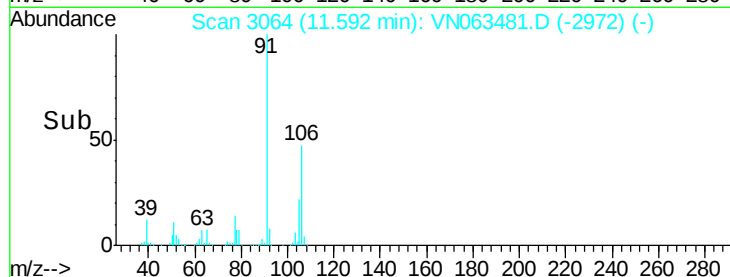
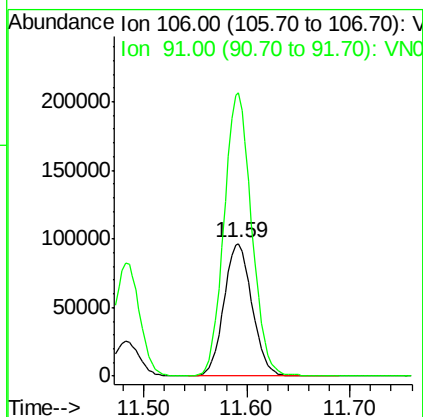
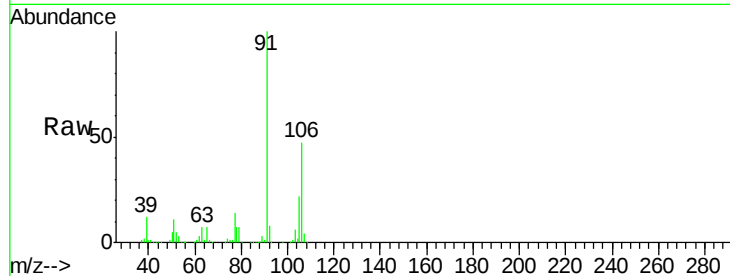




#68
m/p-Xylenes
Concen: 28.359 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN063481.D
Acq: 21 Sep 2020 13:22

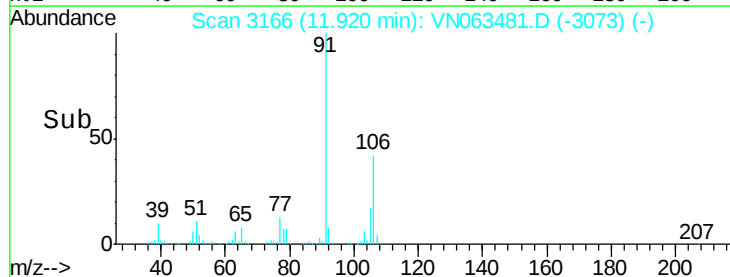
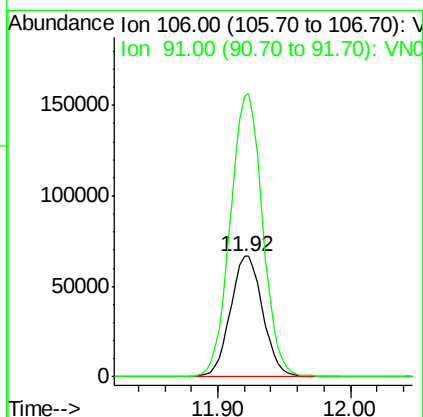
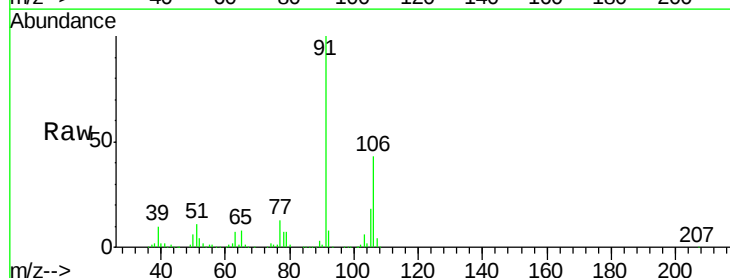
Instrument :
MSVOA_N
ClientSampled :
40556DL

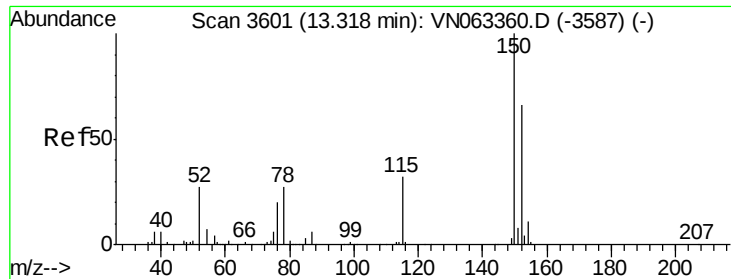
Tot Ion:106 Resp: 183527
Ion Ratio Lower Upper
106 100
91 208.4 171.2 256.8



#69
o-Xylene
Concen: 18.323 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063481.D
Acq: 21 Sep 2020 13:22

Tgt Ion:106 Resp: 112957
Ion Ratio Lower Upper
106 100
91 234.6 113.6 340.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA_N

ClientSampled :

40556DL

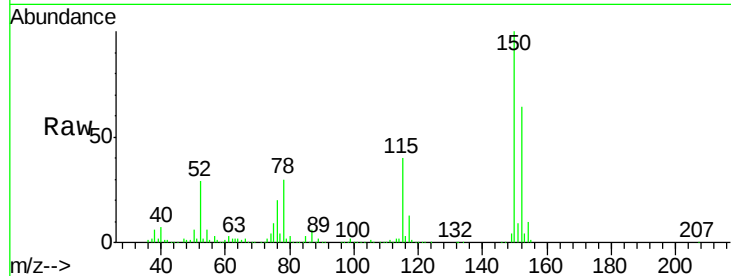
Tot Ion:152 Resp: 206781

Ion Ratio Lower Upper

152 100

115 66.8 32.2 96.6

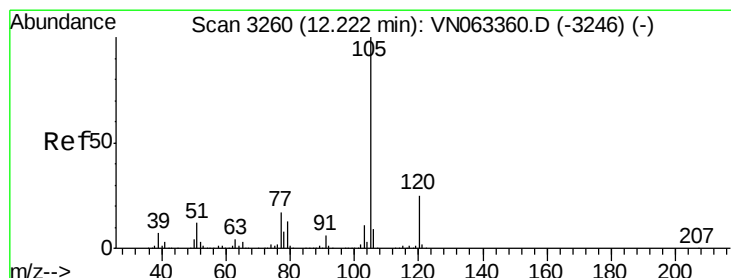
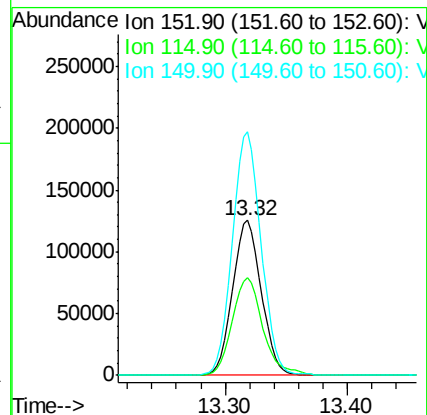
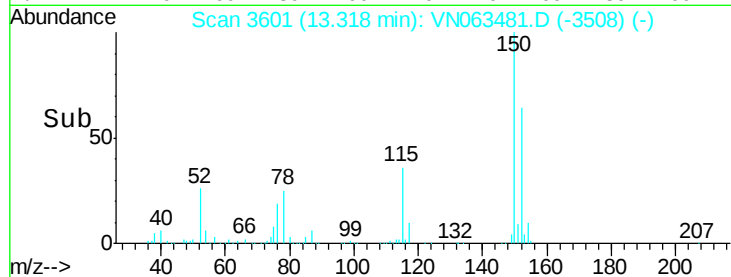
150 157.3 0.0 343.4



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



#73

Isopropylbenzene

Concen: 1.265 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063481.D

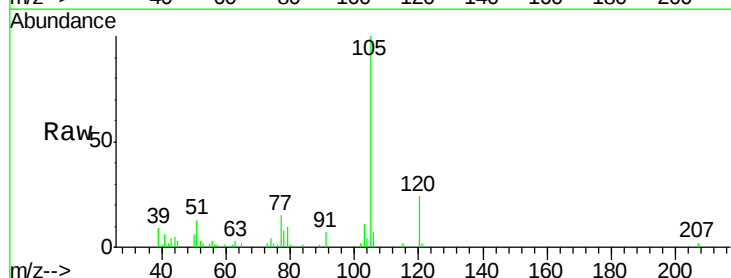
Acq: 21 Sep 2020 13:22

Tgt Ion:105 Resp: 20963

Ion Ratio Lower Upper

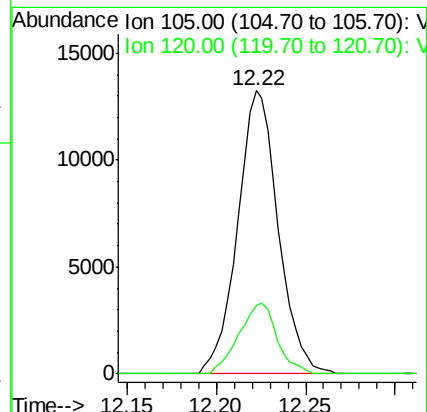
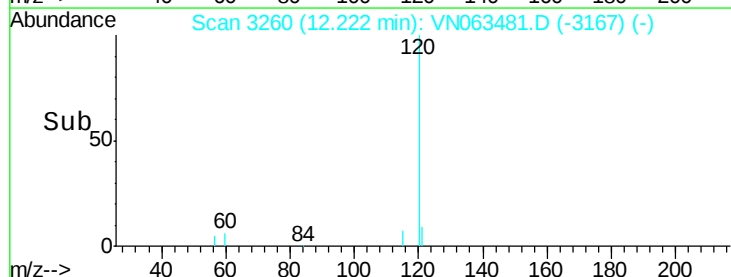
105 100

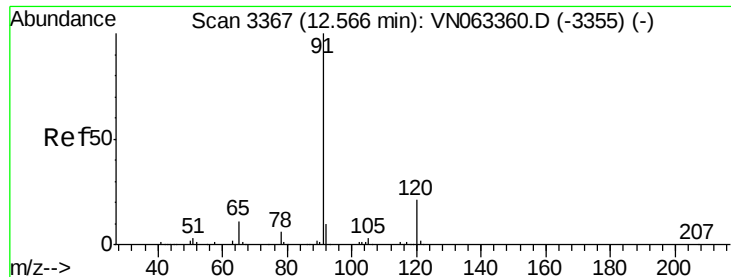
120 23.6 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 3.247 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA_N

ClientSampled :

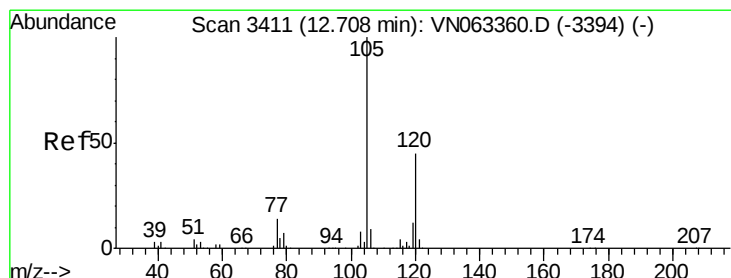
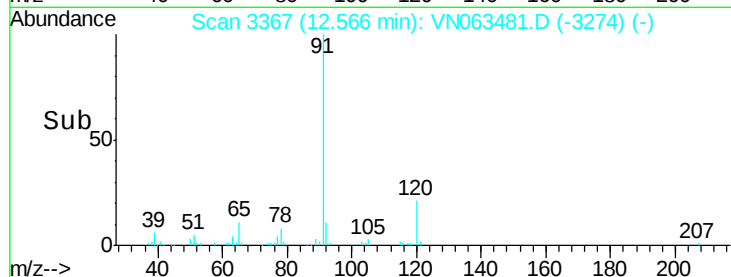
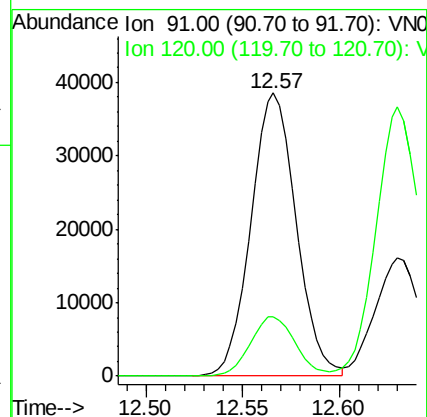
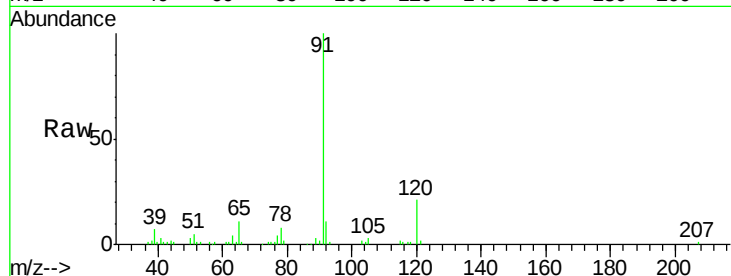
40556DL

Tot Ion: 91 Resp: 62672

Ion Ratio Lower Upper

91 100

120 20.9 10.8 32.3



#80

1,3,5-Trimethylbenzene

Concen: 5.644 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063481.D

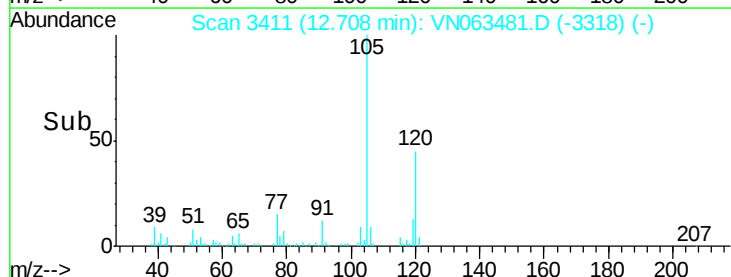
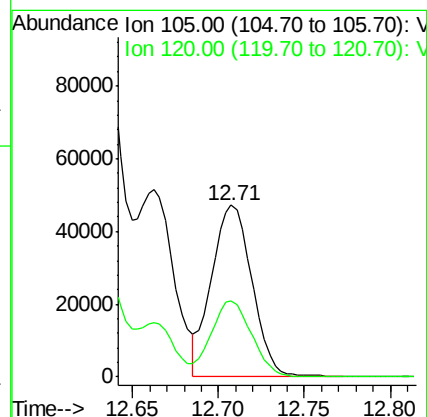
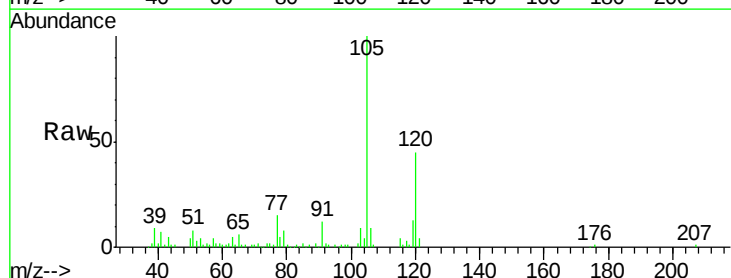
Acq: 21 Sep 2020 13:22

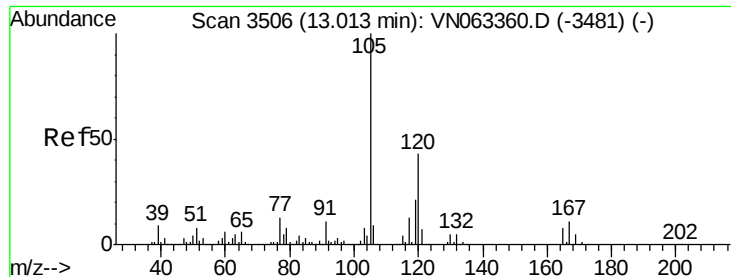
Tgt Ion: 105 Resp: 77982

Ion Ratio Lower Upper

105 100

120 44.9 22.9 68.8





#84

1,2,4-Trimethylbenzene

Concen: 26.273 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA_N

ClientSampled :

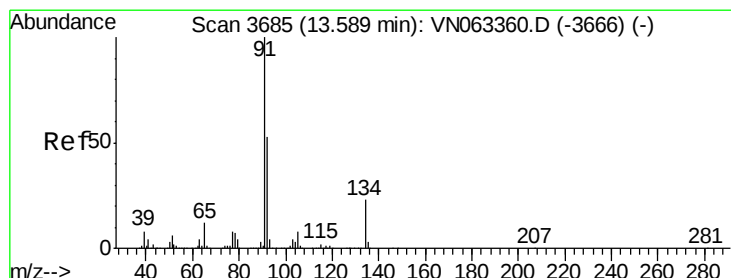
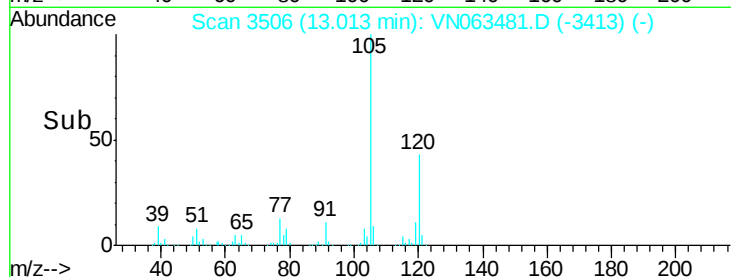
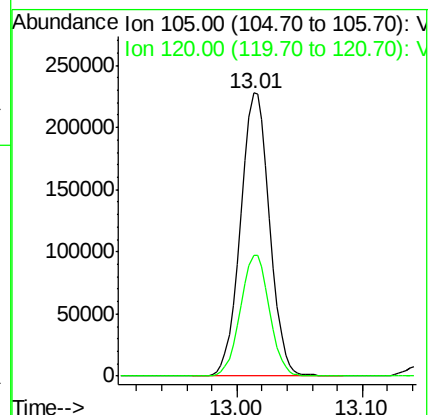
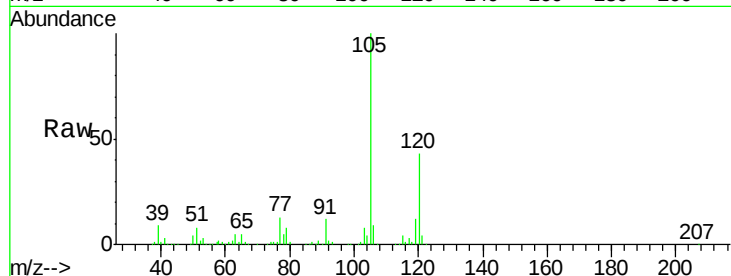
40556DL

Tot Ion:105 Resp: 366688

Ion Ratio Lower Upper

105 100

120 42.7 21.3 63.9



#89

n-Butylbenzene

Concen: 1.009 ug/l

RT: 13.59 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

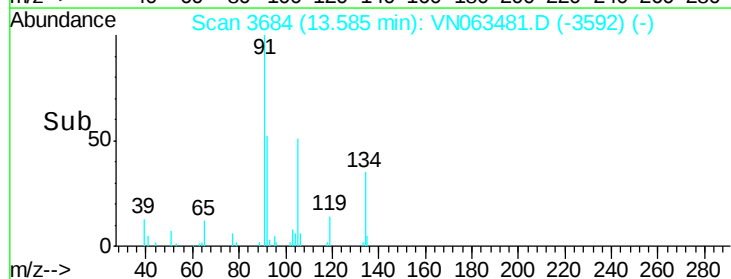
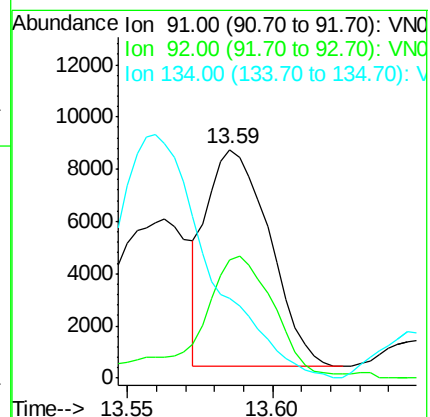
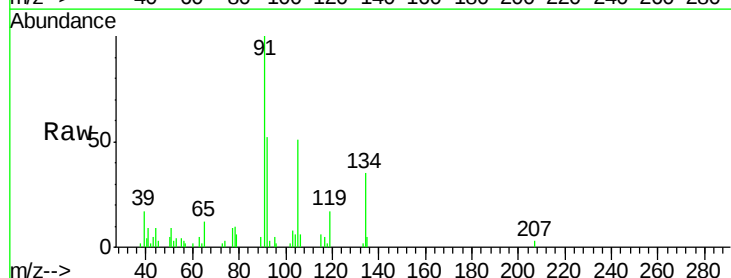
Tgt Ion: 91 Resp: 12522

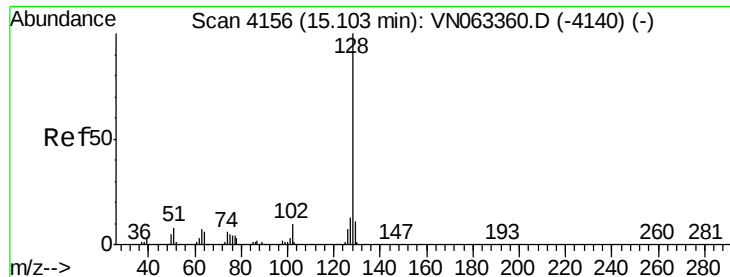
Ion Ratio Lower Upper

91 100

92 62.2 26.0 78.0

134 0.0 11.7 35.0#





#95

Naphthalene

Concen: 8.309 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063481.D

Acq: 21 Sep 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

40556DL

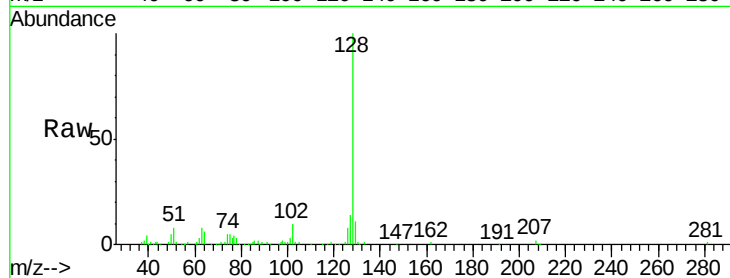
Tot Ion:128 Resp: 109769

Ion Ratio Lower Upper

128 100

127 13.7 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

