

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031720\
 Data File : VN060558.D
 Acq On : 17 Mar 2020 15:49
 Operator : JC/MD
 Sample : L1946-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40748

Quant Time: Mar 18 07:34:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	203823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	338146	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	314652	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152922	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	131230	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
35) Dibromofluoromethane	7.56	113	99483	63.38	ug/l	0.00
Spiked Amount			Recovery	=	126.76%	
50) Toluene-d8	10.08	98	413596	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
62) 4-Bromofluorobenzene	12.40	95	157703	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	

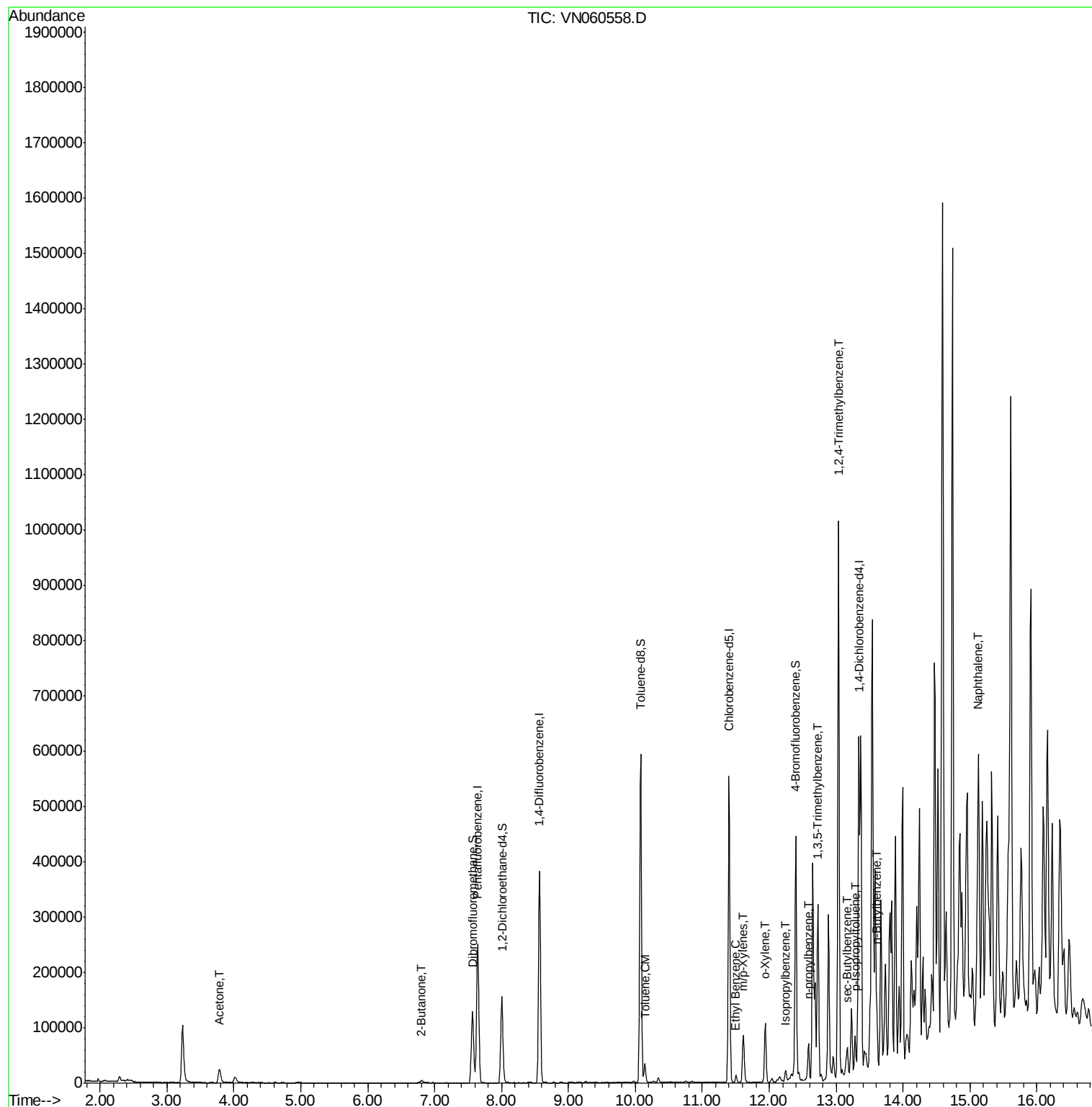
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	43264	51.231	ug/l	99
25) 2-Butanone	6.81	43	7492	5.492	ug/l	94
52) Toluene	10.14	92	14800	2.512	ug/l	98
67) Ethyl Benzene	11.50	91	10184	0.880	ug/l	99
68) m/p-Xylenes	11.61	106	25926	5.939	ug/l	99
69) o-Xylene	11.94	106	28207	6.776	ug/l	96
73) Isopropylbenzene	12.25	105	13503	1.191	ug/l	99
78) n-propylbenzene	12.59	91	54182	4.078	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	124959	13.094	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	569347	59.109	ug/l	99
85) sec-Butylbenzene	13.17	105	31155	2.816	ug/l	92
86) p-Isopropyltoluene	13.28	119	24561	2.398	ug/l	96
89) n-Butylbenzene	13.61	91	45397	4.829	ug/l #	73
95) Naphthalene	15.13	128	355379	38.943	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: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060558.D

Acq: 17 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

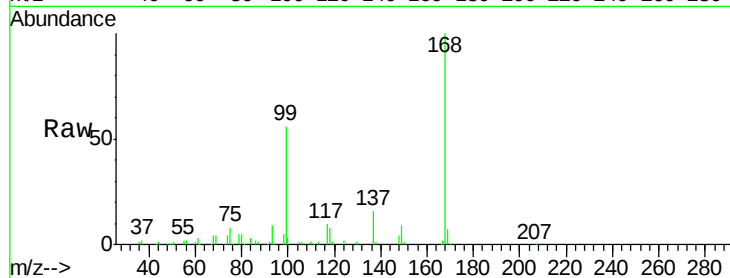
40748

Tot Ion:168 Resp: 203823

Ion Ratio Lower Upper

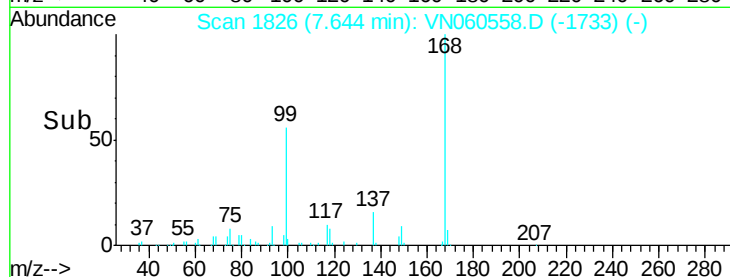
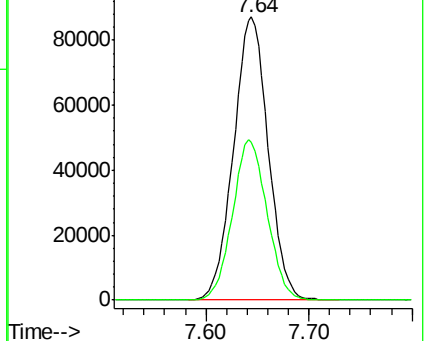
168 100

99 55.9 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 51.231 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060558.D

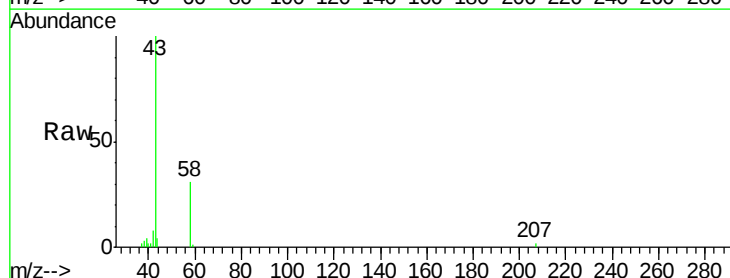
Acq: 17 Mar 2020 15:49

Tgt Ion: 43 Resp: 43264

Ion Ratio Lower Upper

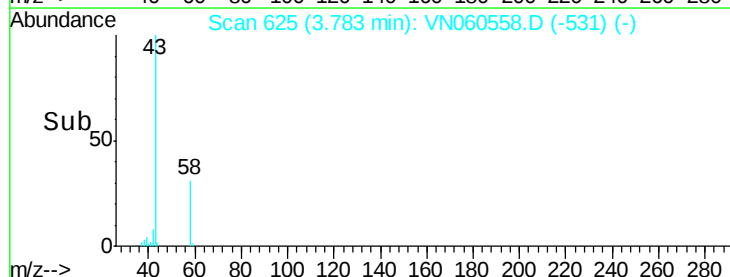
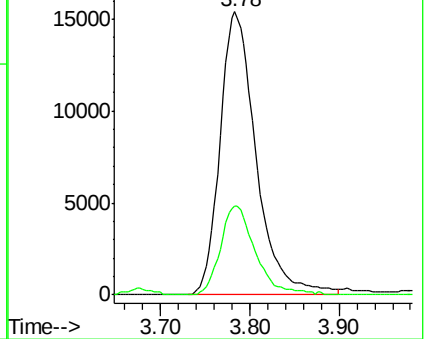
43 100

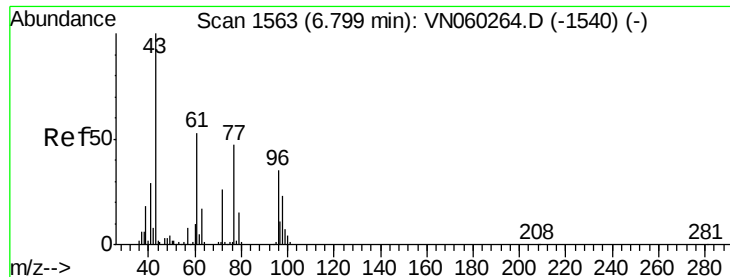
58 31.3 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

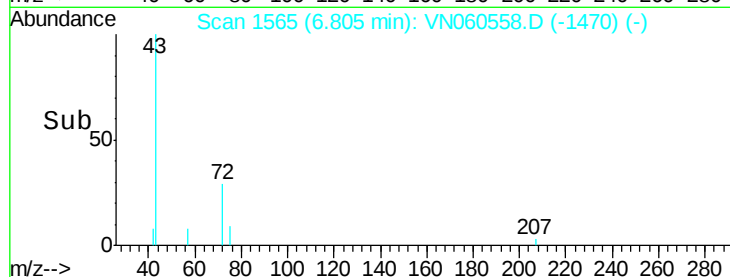
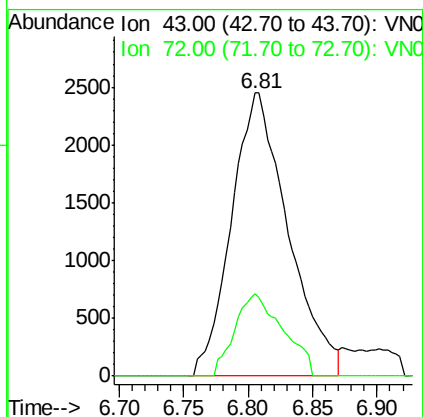
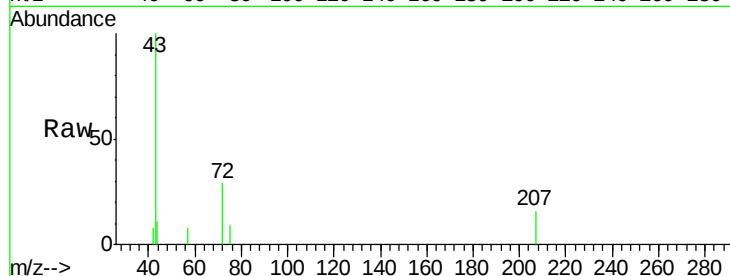




#25
2-Butanone
Concen: 5.492 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VN060558.D
Acq: 17 Mar 2020 15:49

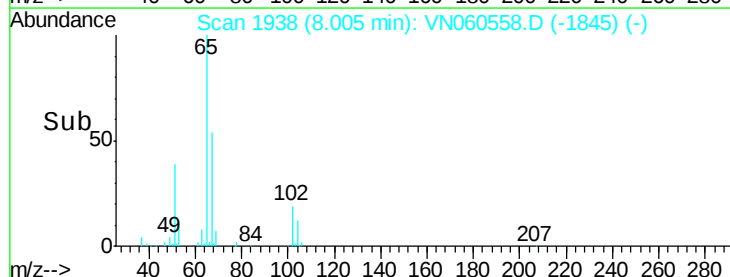
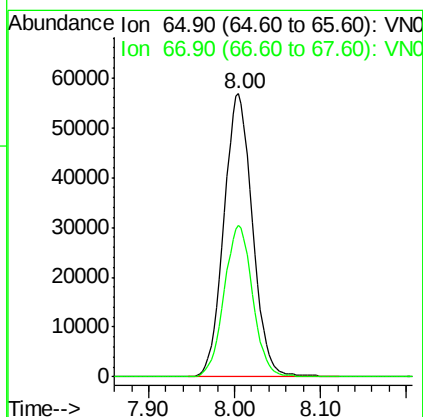
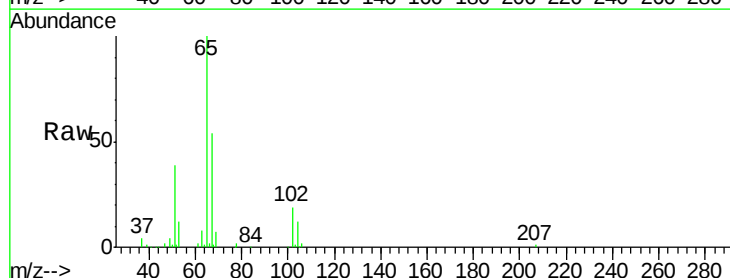
Instrument :
MSVOA_N
ClientSampled :
40748

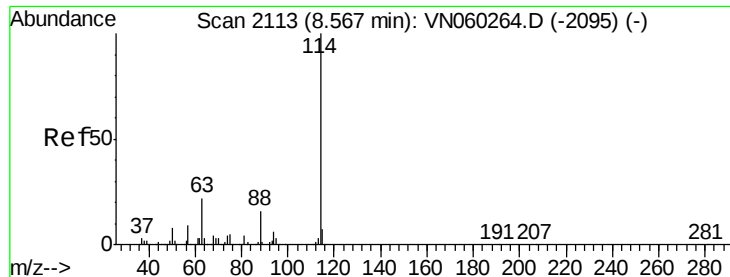
Tot Ion: 43 Resp: 7492
Ion Ratio Lower Upper
43 100
72 29.0 20.9 31.3



#33
1,2-Dichloroethane-d4
Concen: 50.182 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN060558.D
Acq: 17 Mar 2020 15:49

Tgt Ion: 65 Resp: 131230
Ion Ratio Lower Upper
65 100
67 53.4 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060558.D

Acq: 17 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

40748

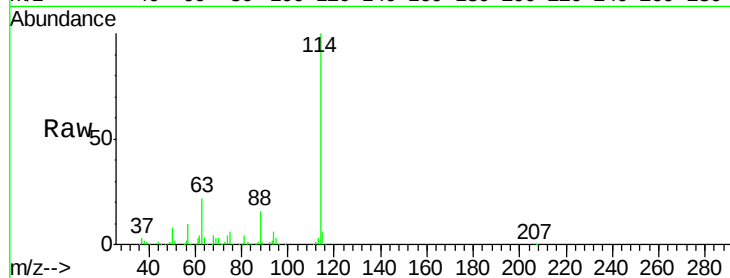
Tot Ion:114 Resp: 338146

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.2

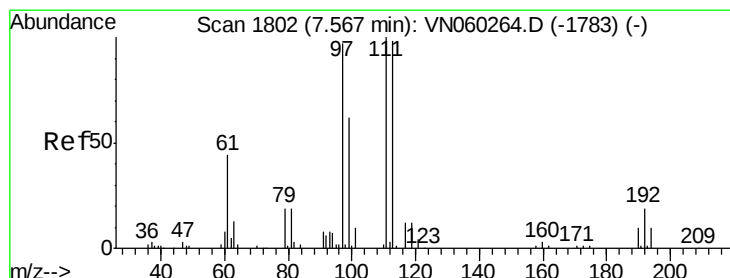
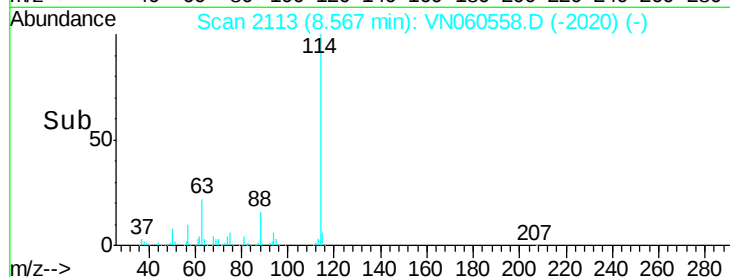
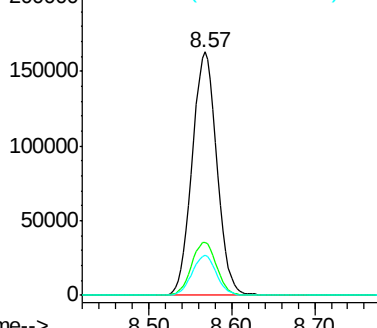
88 16.3 0.0 31.6



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



#35

Dibromofluoromethane

Concen: 63.383 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060558.D

Acq: 17 Mar 2020 15:49

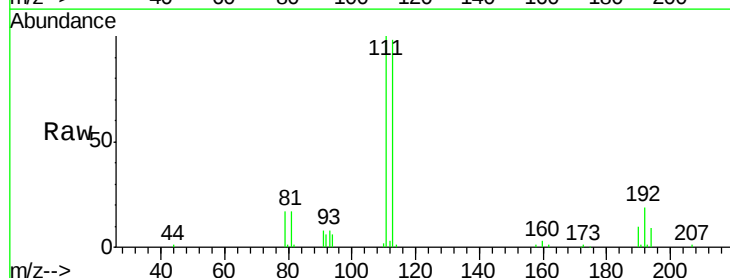
Tgt Ion:113 Resp: 99483

Ion Ratio Lower Upper

113 100

111 103.1 82.4 123.6

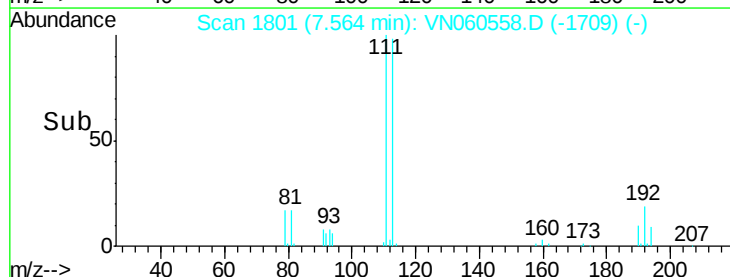
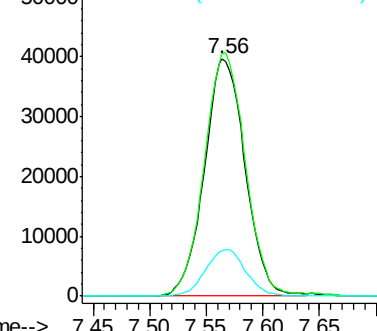
192 19.3 16.2 24.2

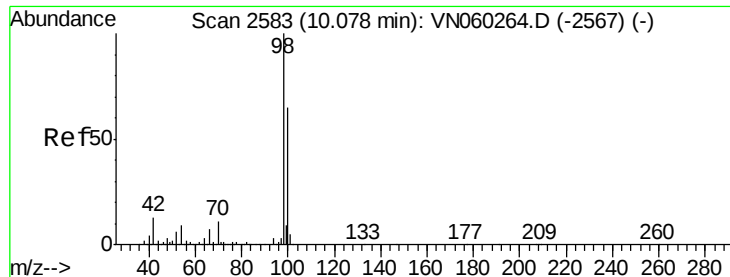


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.065 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060558.D

Acq: 17 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

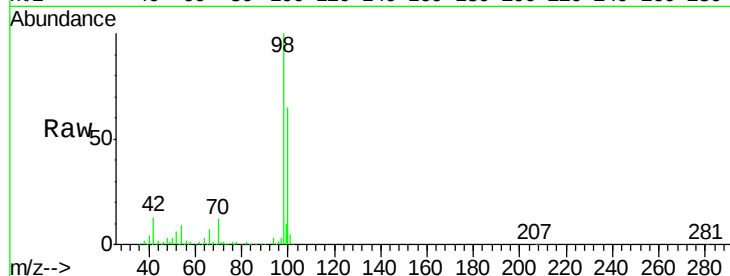
40748

Tot Ion: 98 Resp: 413596

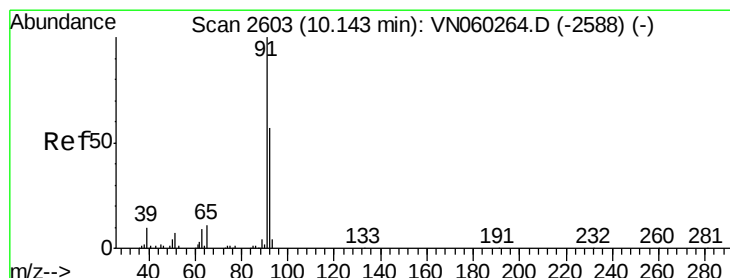
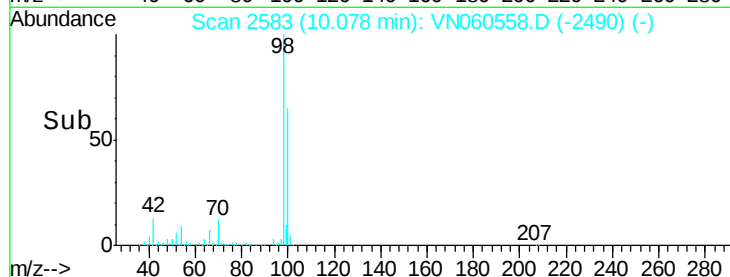
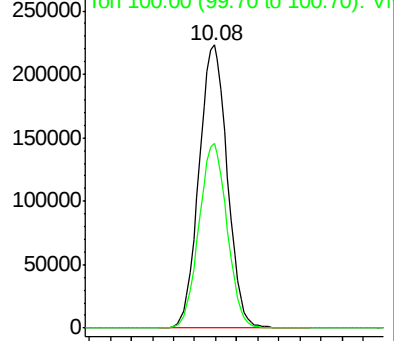
Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060264.D (-2567) (-)



#52

Toluene

Concen: 2.512 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060558.D

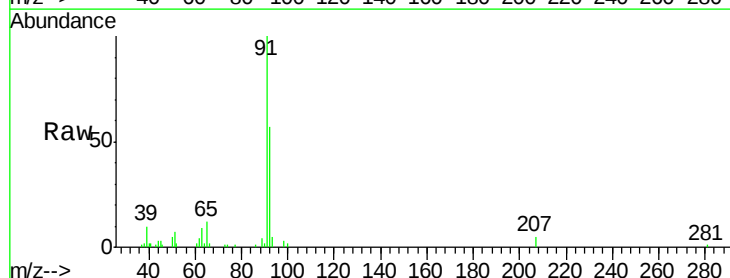
Acq: 17 Mar 2020 15:49

Tgt Ion: 92 Resp: 14800

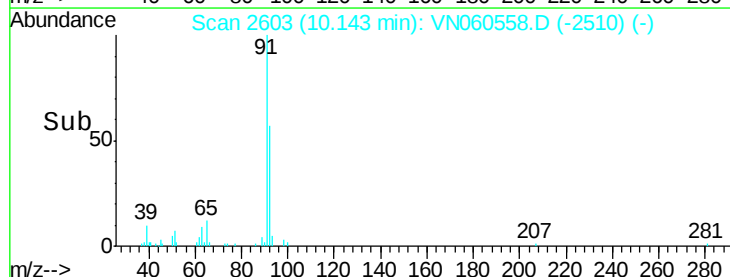
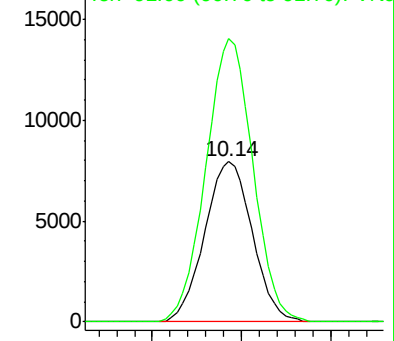
Ion Ratio Lower Upper

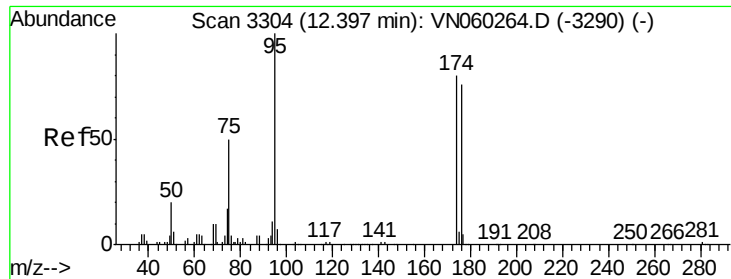
92 100

91 174.7 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN060264.D (-2588) (-)





#62

4-Bromofluorobenzene

Concen: 52.371 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060558.D

Acq: 17 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

40748

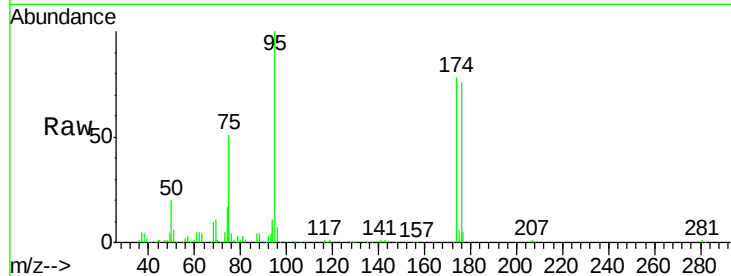
Tot Ion: 95 Resp: 157703

Ion Ratio Lower Upper

95 100

174 77.0 0.0 159.2

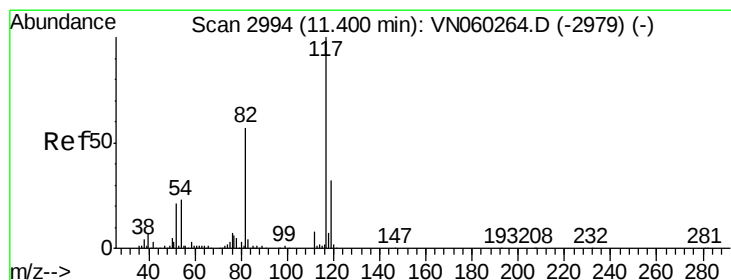
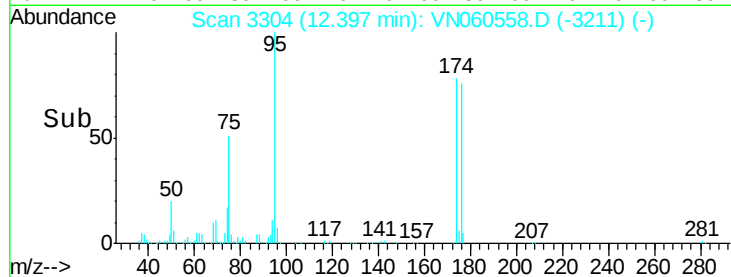
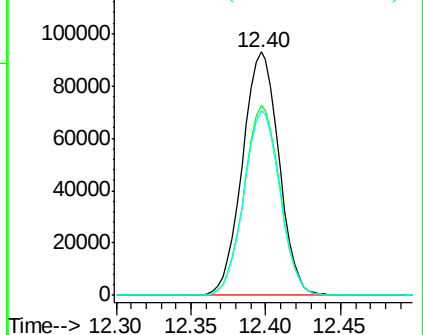
176 75.0 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060558.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060558.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060558.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060558.D

Acq: 17 Mar 2020 15:49

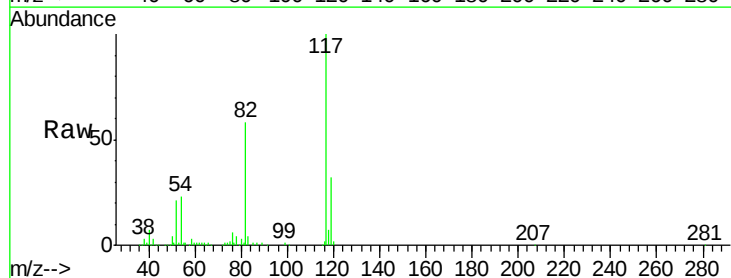
Tgt Ion: 117 Resp: 314652

Ion Ratio Lower Upper

117 100

82 57.6 45.8 68.6

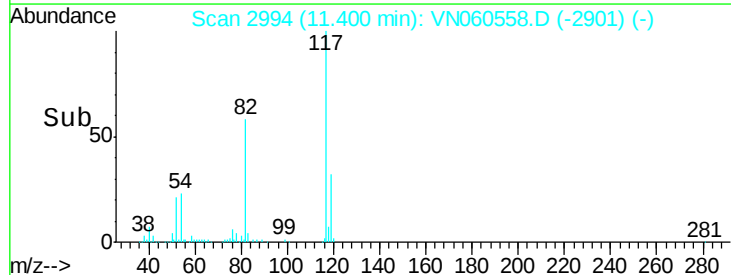
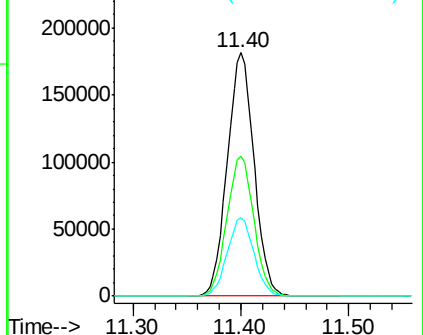
119 32.2 25.8 38.8

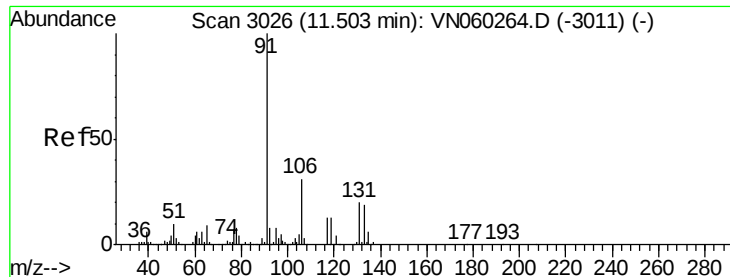


Abundance Ion 116.90 (116.60 to 117.60): VN060558.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060558.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060558.D (-2901) (-)

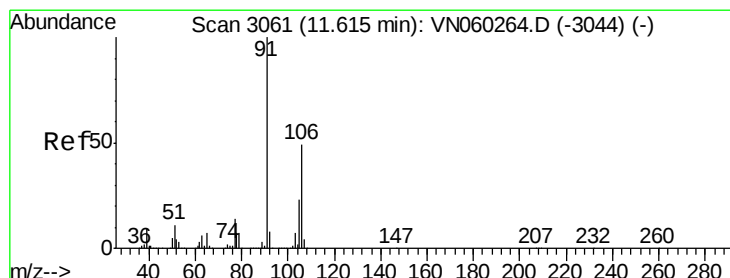
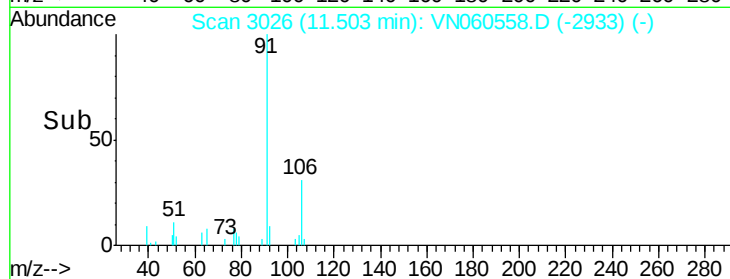
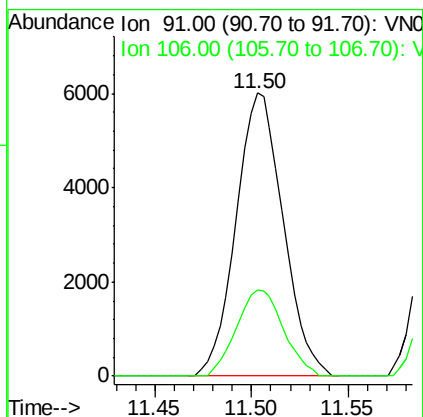
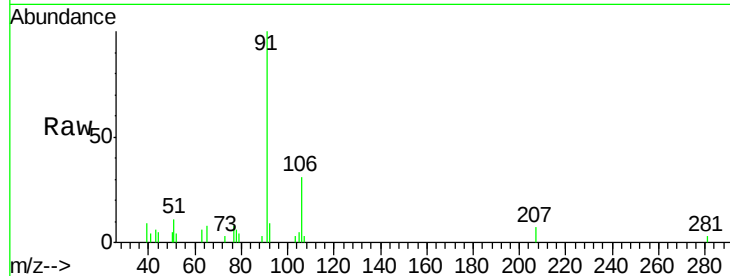




#67
Ethyl Benzene
Concen: 0.880 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060558.D
Acq: 17 Mar 2020 15:49

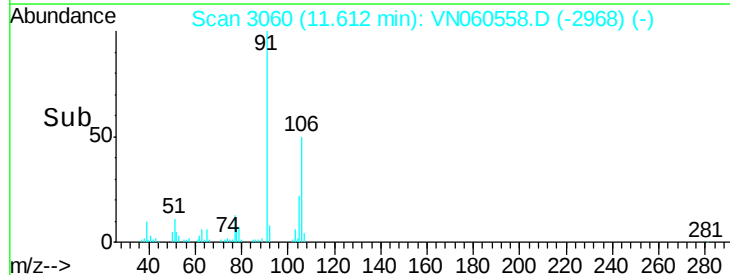
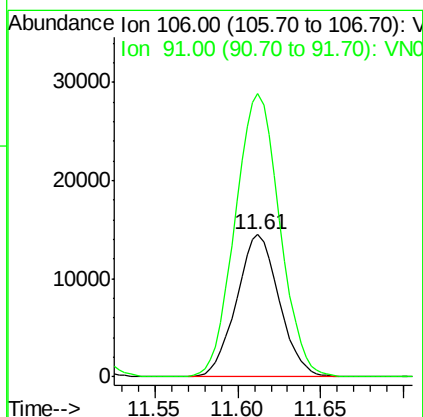
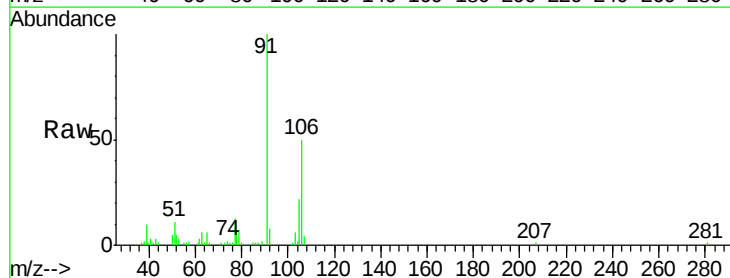
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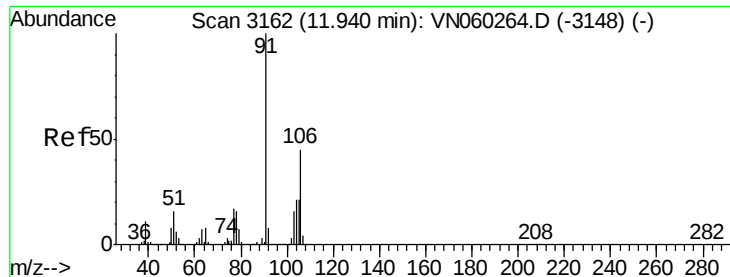
Tot Ion: 91 Resp: 10184
Ion Ratio Lower Upper
91 100
106 30.5 24.7 37.1



#68
m/p-Xylenes
Concen: 5.939 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060558.D
Acq: 17 Mar 2020 15:49

Tgt Ion: 106 Resp: 25926
Ion Ratio Lower Upper
106 100
91 207.6 164.5 246.7

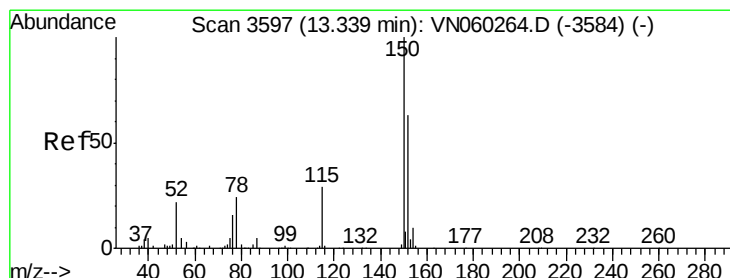
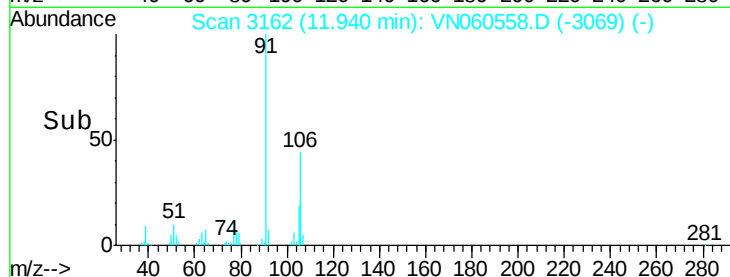
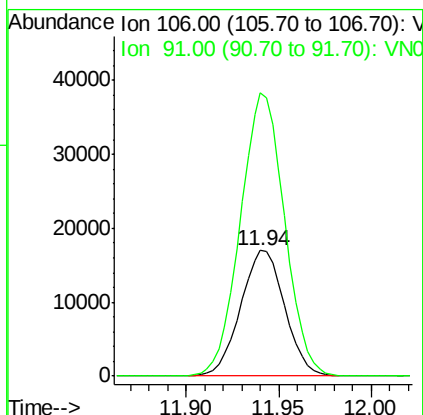
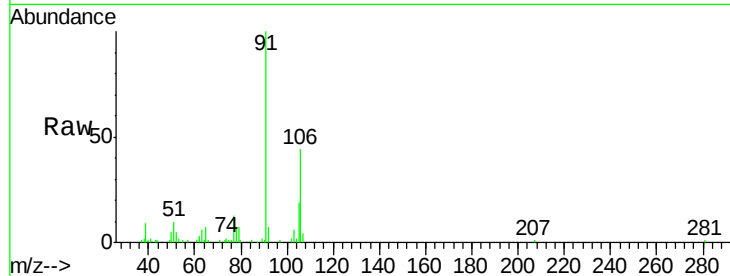




#69
o-Xylene
Concen: 6.776 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060558.D
Acq: 17 Mar 2020 15:49

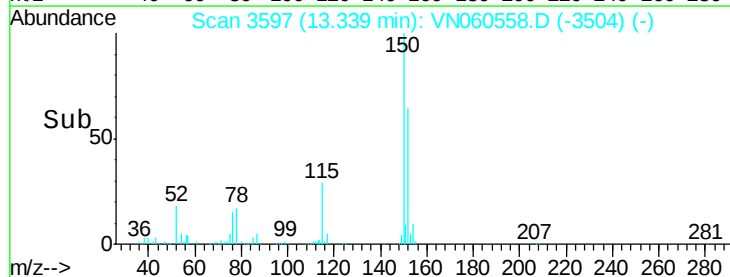
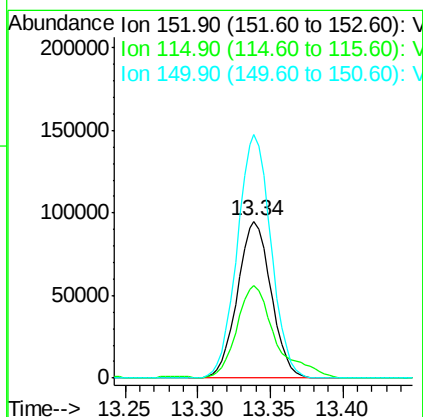
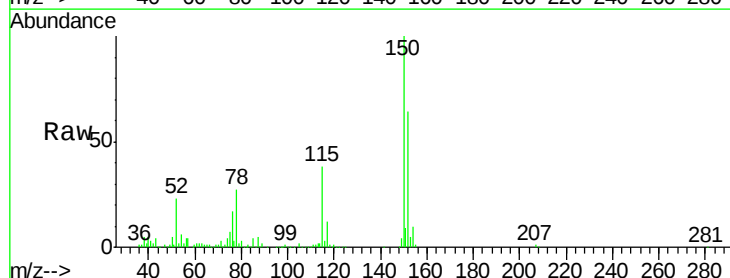
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40748

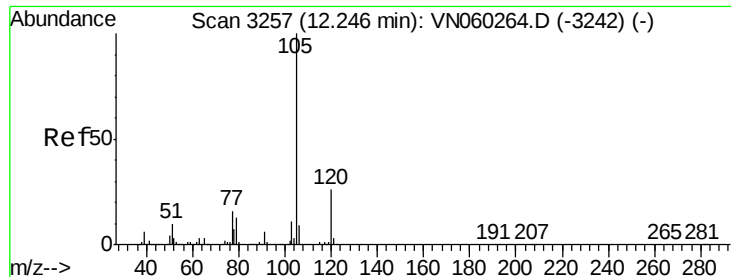
Tot Ion:106 Resp: 28207
Ion Ratio Lower Upper
106 100
91 224.9 109.5 328.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060558.D
Acq: 17 Mar 2020 15:49

Tgt Ion:152 Resp: 152922
Ion Ratio Lower Upper
152 100
115 67.9 30.0 90.0
150 155.9 0.0 349.6





#73

Isopropylbenzene

Concen: 1.191 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060558.D

Acq: 17 Mar 2020 15:49

Instrument :

MSVOA_N

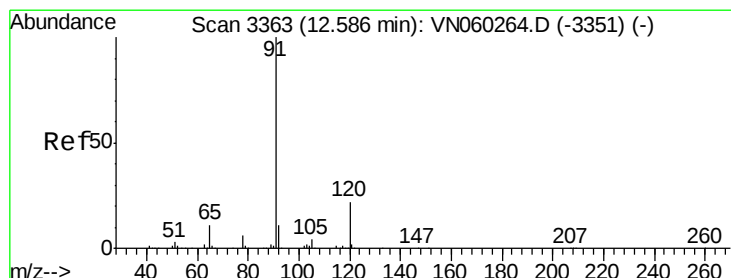
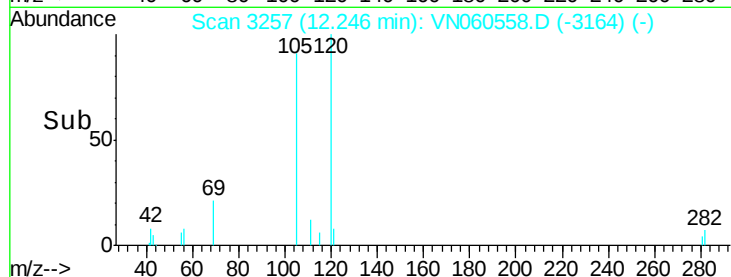
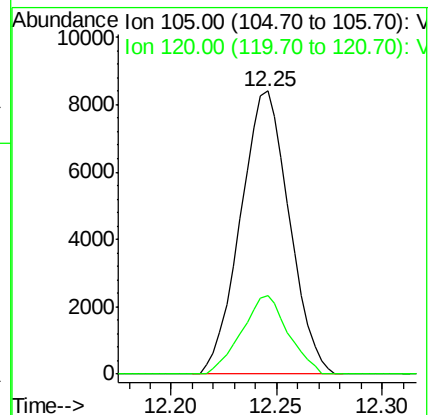
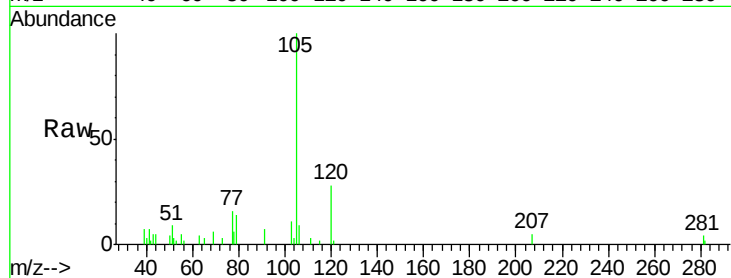
ClientSampleId :
40748

Tot Ion: 105 Resp: 13503

Ion Ratio Lower Upper

105 100

120 26.5 13.0 38.9



#78

n-propylbenzene

Concen: 4.078 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060558.D

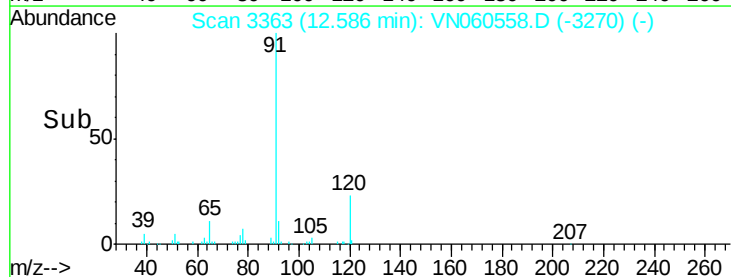
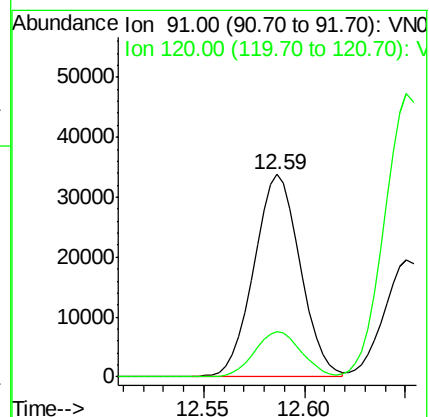
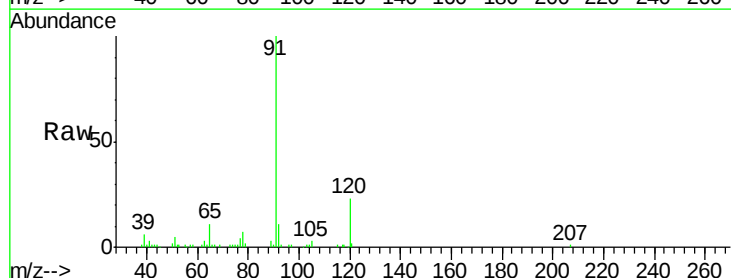
Acq: 17 Mar 2020 15:49

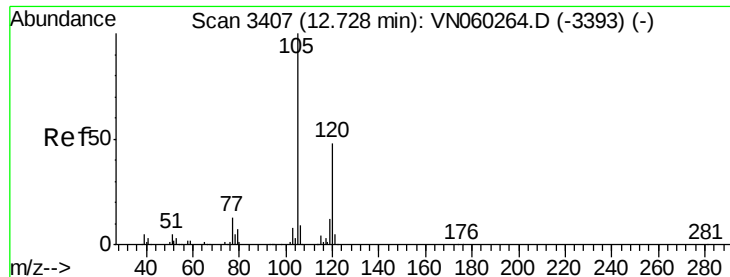
Tgt Ion: 91 Resp: 54182

Ion Ratio Lower Upper

91 100

120 22.8 11.3 33.9





#80

1,3,5-Trimethylbenzene

Concen: 13.094 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060558.D

Acq: 17 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampled :

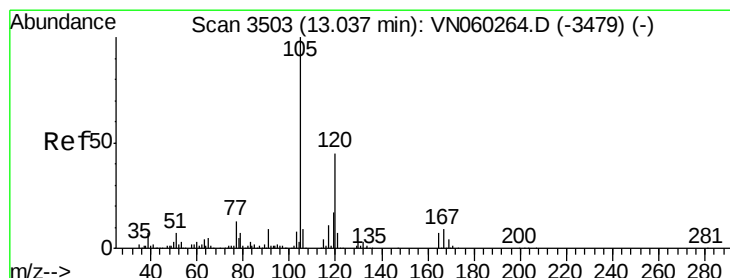
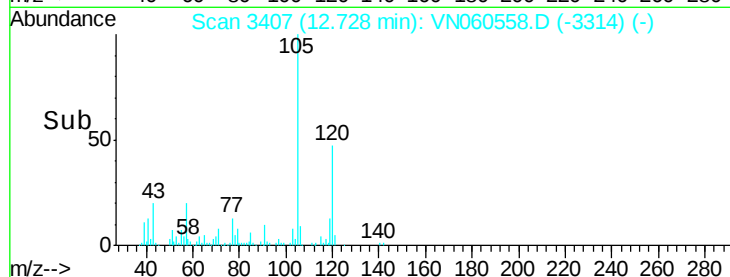
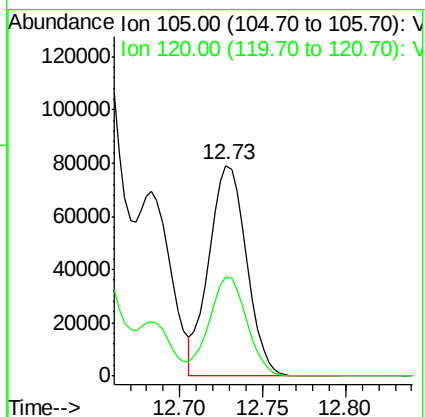
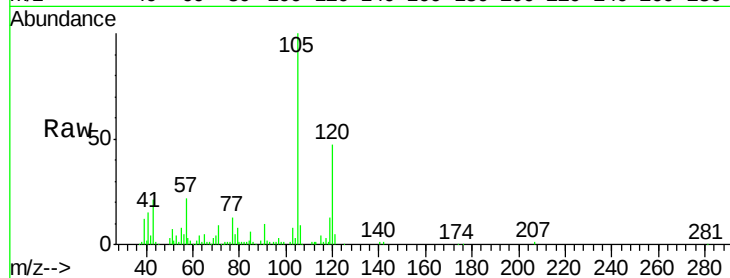
40748

Tot Ion:105 Resp: 124959

Ion Ratio Lower Upper

105 100

120 47.6 24.1 72.4



#84

1,2,4-Trimethylbenzene

Concen: 59.109 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060558.D

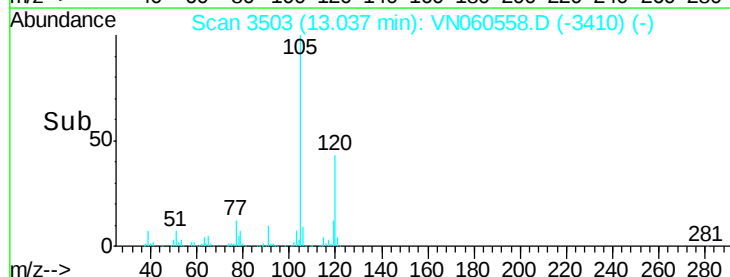
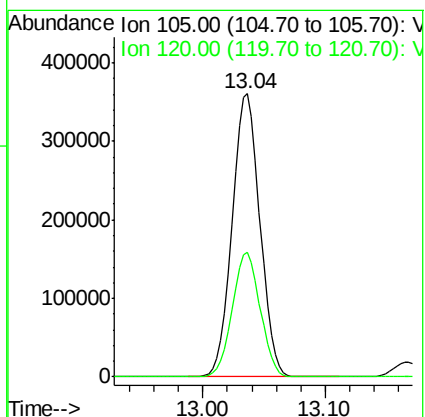
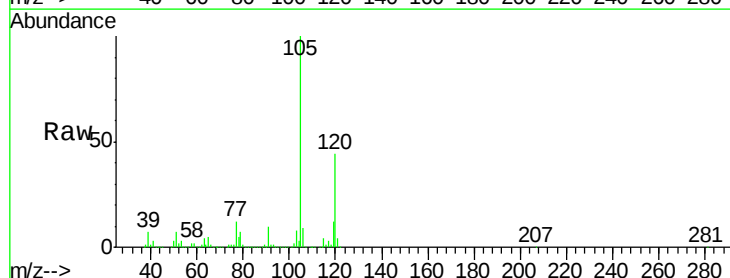
Acq: 17 Mar 2020 15:49

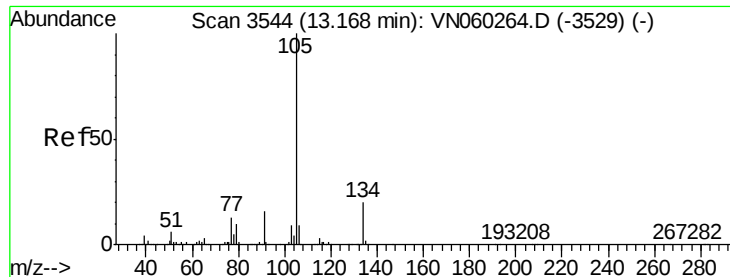
Tgt Ion:105 Resp: 569347

Ion Ratio Lower Upper

105 100

120 44.1 22.3 66.9

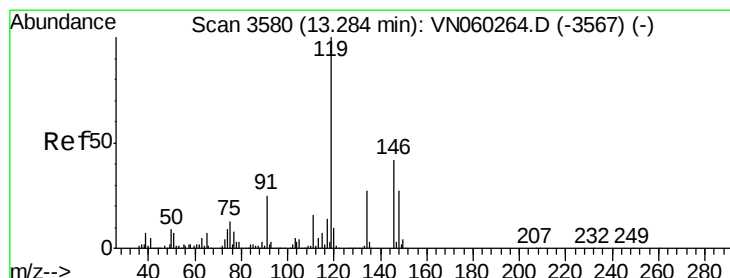
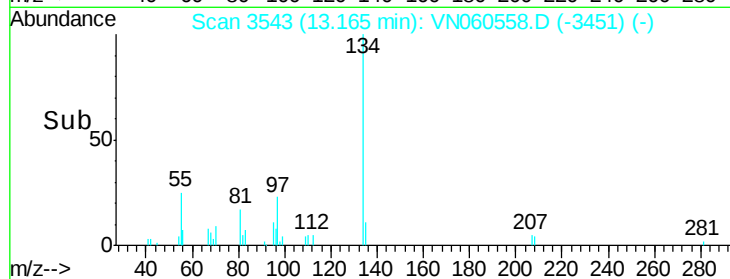
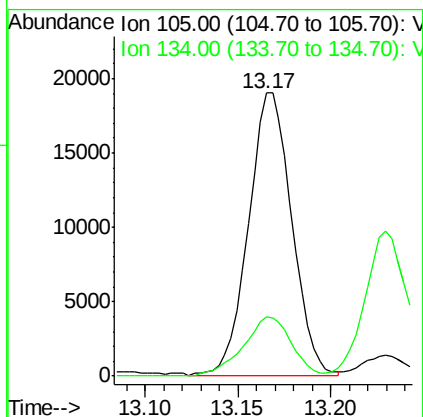
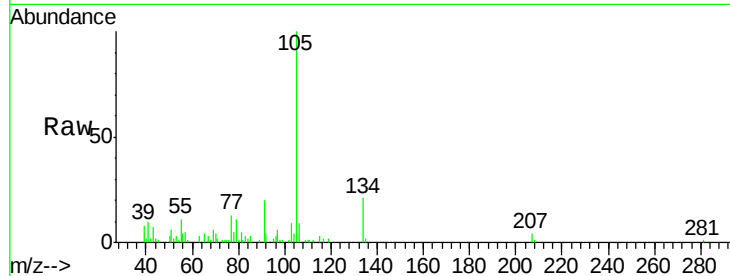




#85
 sec-Butylbenzene
 Concen: 2.816 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VN060558.D
 Acq: 17 Mar 2020 15:49

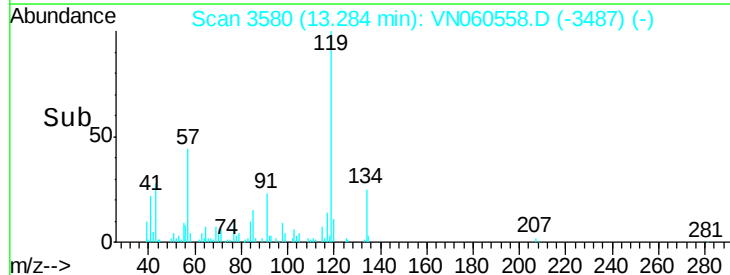
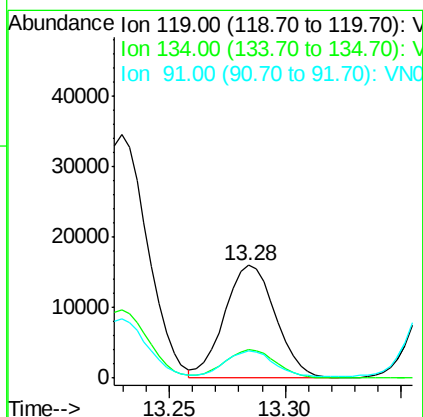
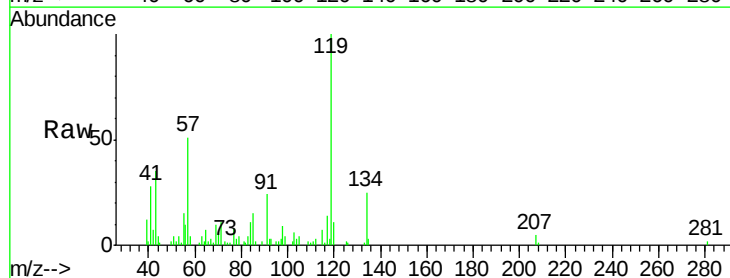
Instrument :
 MSVOA_N
 ClientSampled :
 40748

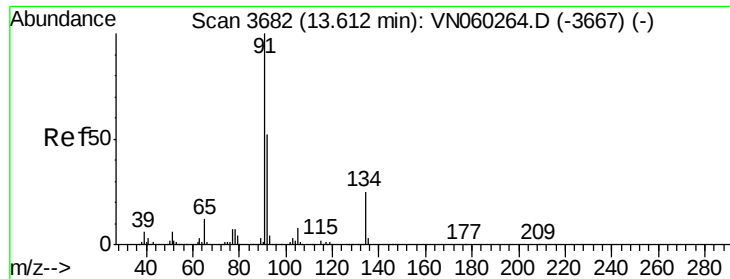
Tot Ion:105 Resp: 31155
 Ion Ratio Lower Upper
 105 100
 134 23.3 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 2.398 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060558.D
 Acq: 17 Mar 2020 15:49

Tgt Ion:119 Resp: 24561
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.2 39.6
 91 21.1 12.2 36.6

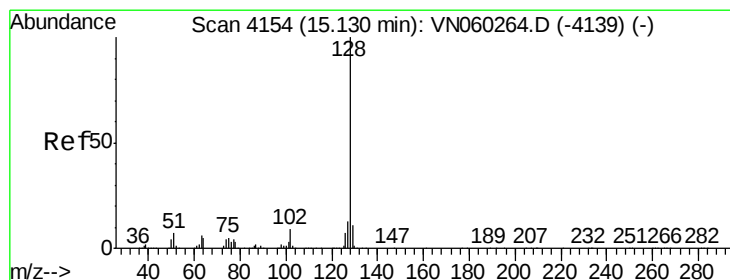
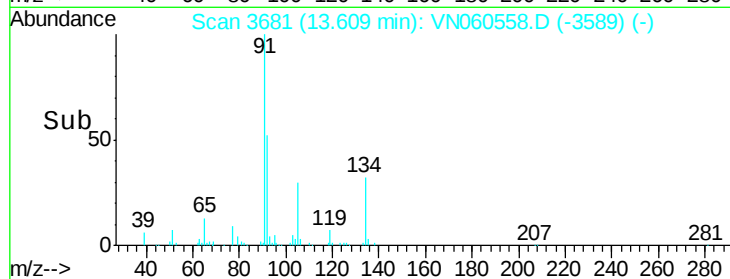
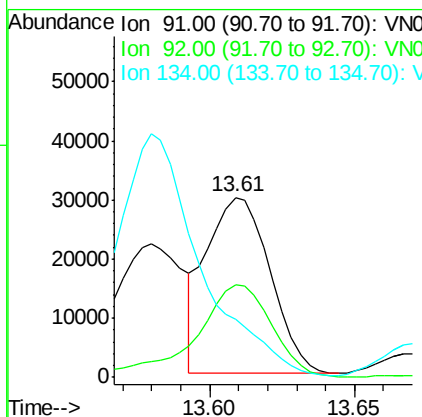
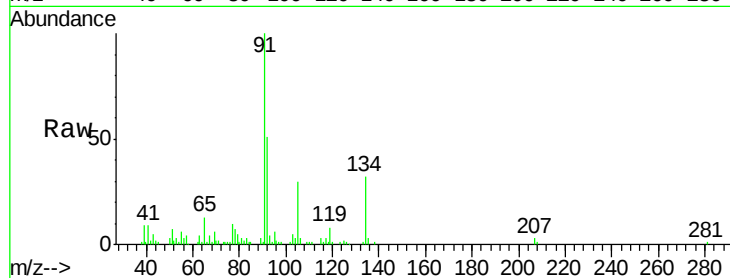




#89
n-Butylbenzene
Concen: 4.829 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060558.D
Acq: 17 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampled :
40748

Tot Ion: 91 Resp: 45397
Ion Ratio Lower Upper
91 100
92 62.6 26.0 78.0
134 0.0 12.7 38.1#



#95
Naphthalene
Concen: 38.943 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060558.D
Acq: 17 Mar 2020 15:49

Tgt Ion: 128 Resp: 355379
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.1 8.6 13.0

