

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030620\
 Data File : VN060380.D
 Acq On : 6 Mar 2020 15:06
 Operator : JC/MD
 Sample : L1802-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 400304782.2-VOA

Quant Time: Mar 07 03:49:55 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

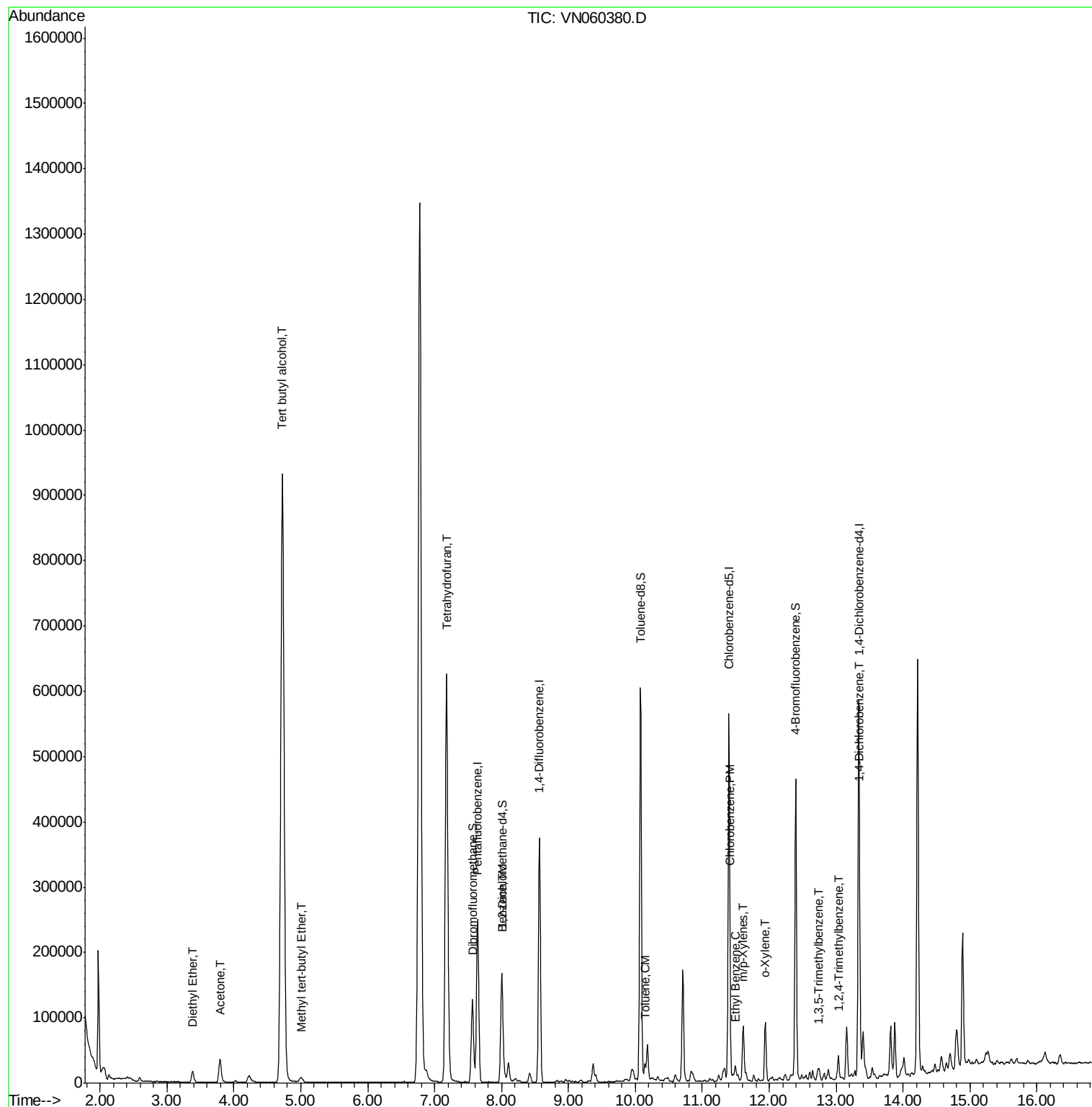
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	204857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	333470	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	312197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148755	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	131162	49.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.80%	
35) Dibromofluoromethane	7.56	113	96365	62.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.52%	
50) Toluene-d8	10.08	98	410169	52.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.40	95	153761	51.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.56%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.38	74	8217	6.074	ug/l	92
11) Tert butyl alcohol	4.73	59	1851461	4743.987	ug/l	100
16) Acetone	3.79	43	7215	8.501	ug/l	95
19) Methyl tert-butyl Ether	5.00	73	12992	1.818	ug/l	98
29) Tetrahydrofuran	7.18	42	536372	562.623	ug/l	100
40) Benzene	8.02	78	22073	2.386	ug/l	98
52) Toluene	10.14	92	10075	1.734	ug/l	100
65) Chlorobenzene	11.42	112	2978	0.472	ug/l	98
67) Ethyl Benzene	11.50	91	5251	0.457	ug/l	96
68) m/p-Xylenes	11.61	106	26377	6.090	ug/l	98
69) o-Xylene	11.94	106	23865	5.778	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	7380	0.795	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	17288	1.845	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	10600	1.965	ug/l #	85

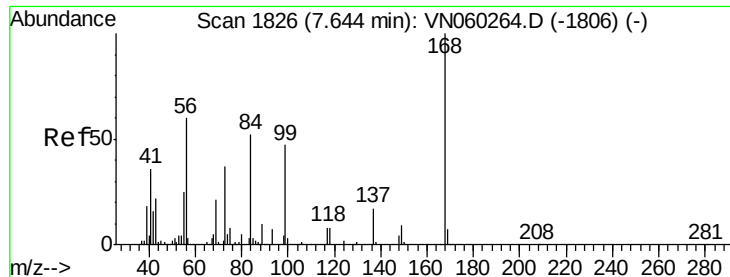
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060380.D

Acq: 6 Mar 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

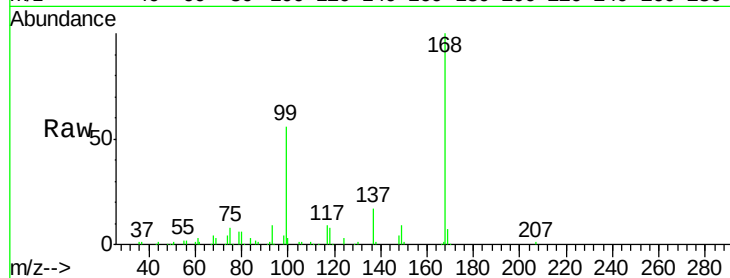
400304782.2-VOA

Tot Ion:168 Resp: 204857

Ion Ratio Lower Upper

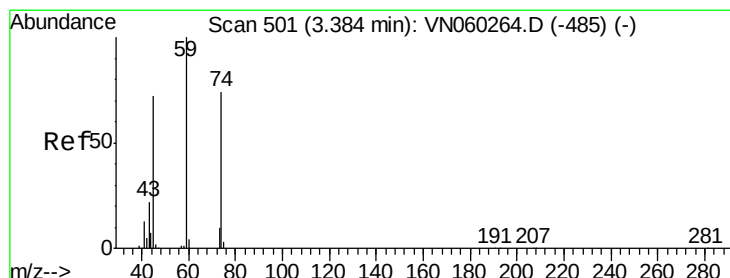
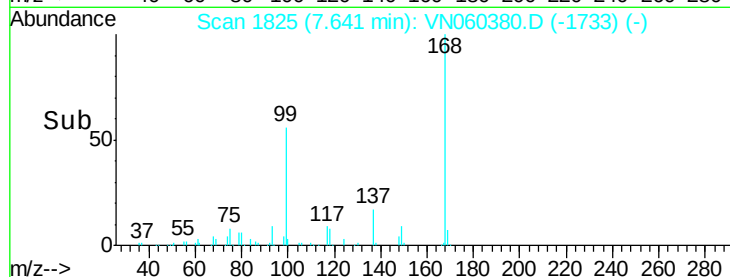
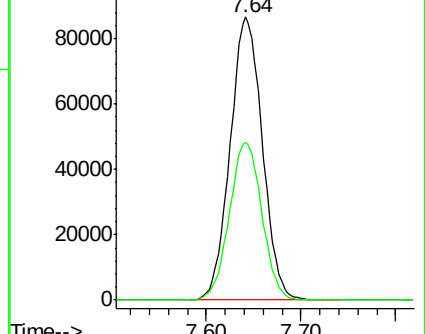
168 100

99 55.9 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN060380.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN060380.D (-1733) (-)



#8

Diethyl Ether

Concen: 6.074 ug/l

RT: 3.38 min Scan# 501

Delta R.T. 0.00 min

Lab File: VN060380.D

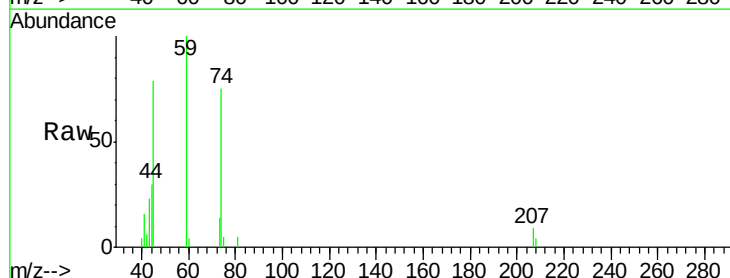
Acq: 6 Mar 2020 15:06

Tgt Ion: 74 Resp: 8217

Ion Ratio Lower Upper

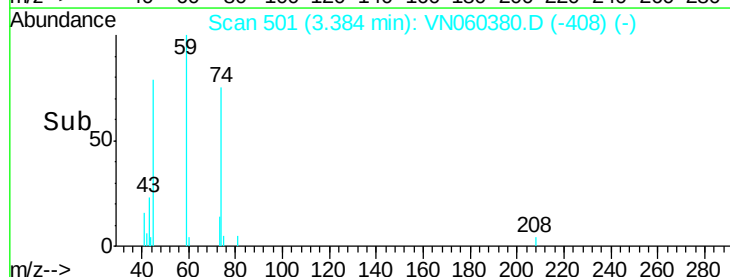
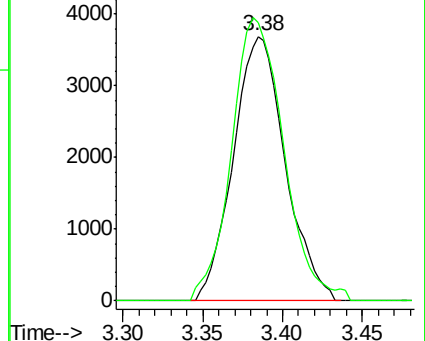
74 100

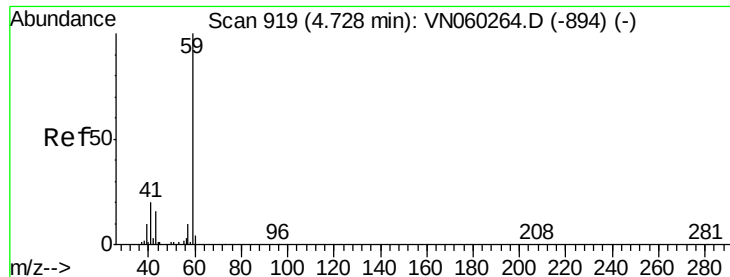
45 107.4 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): VN060380.D (-408) (-)

Ion 45.00 (44.70 to 45.70): VN060380.D (-408) (-)





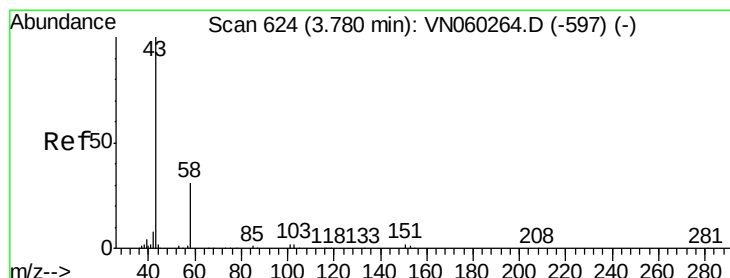
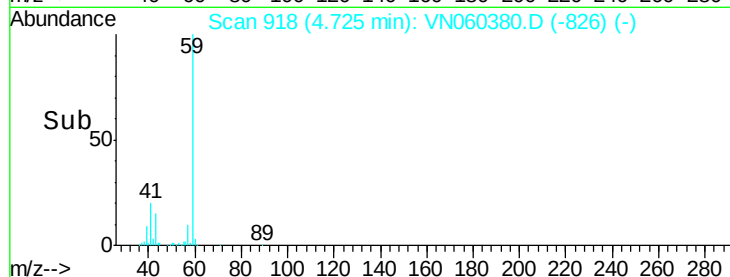
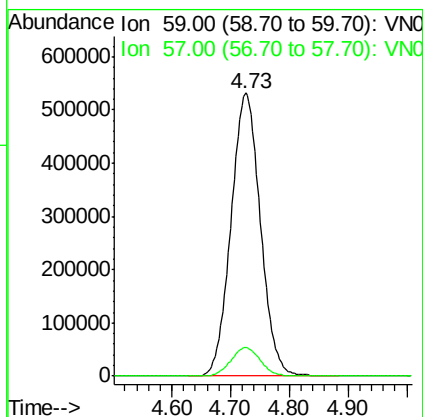
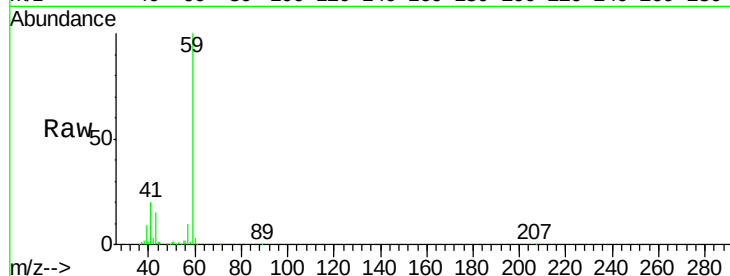
#11

Tert butyl alcohol
 Concen: 4743.987 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060380.D
 Acq: 6 Mar 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 400304782.2-VOA

Tot Ion: 59 Resp: 1851461

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

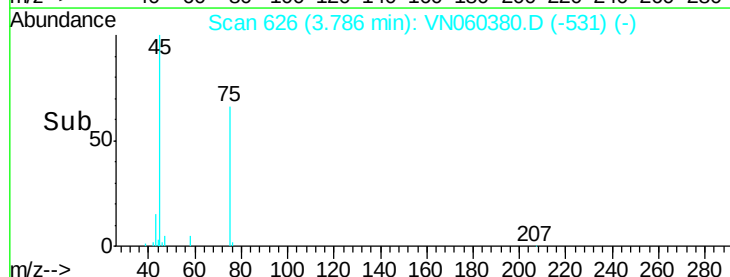
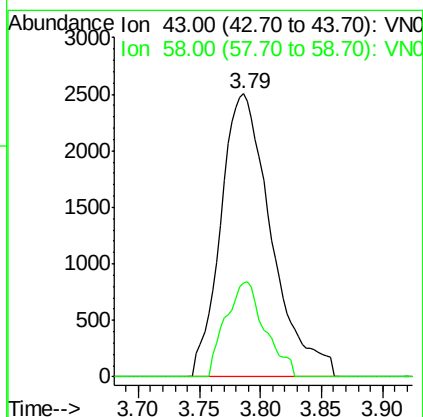
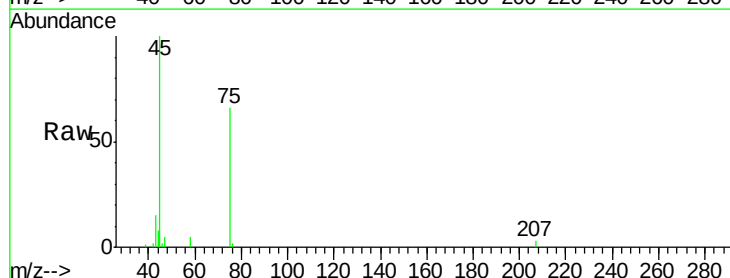


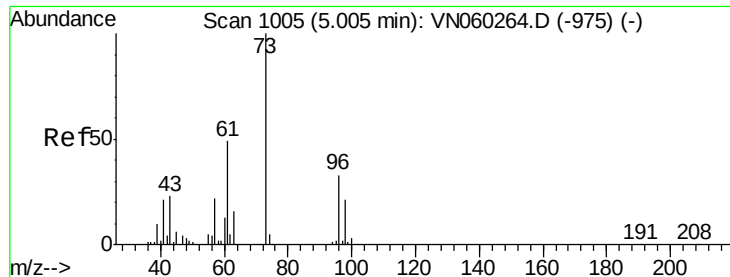
#16

Acetone
 Concen: 8.501 ug/l
 RT: 3.79 min Scan# 626
 Delta R.T. 0.01 min
 Lab File: VN060380.D
 Acq: 6 Mar 2020 15:06

Tgt Ion: 43 Resp: 7215

Ion	Ratio	Lower	Upper
43	100		
58	33.3	24.6	36.8

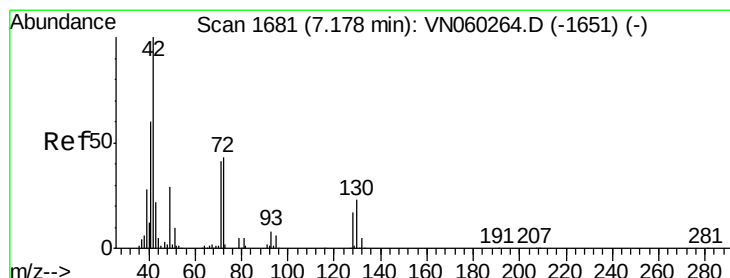
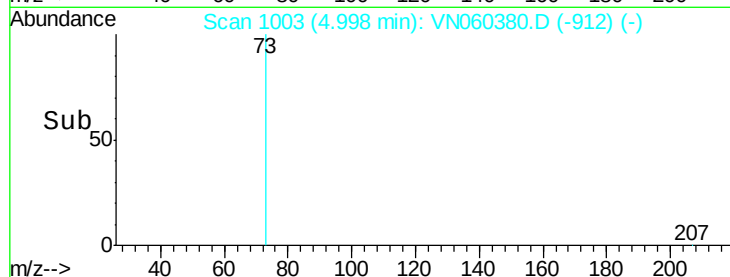
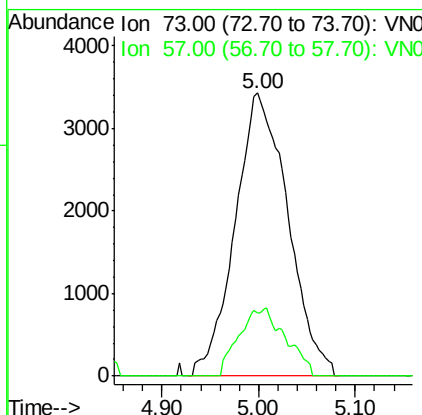
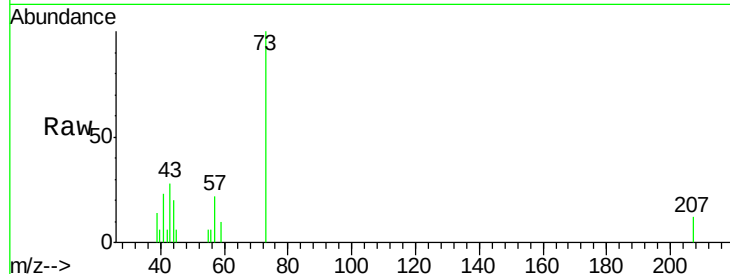




#19
Methyl tert-butyl Ether
Concen: 1.818 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060380.D
Acq: 6 Mar 2020 15:06

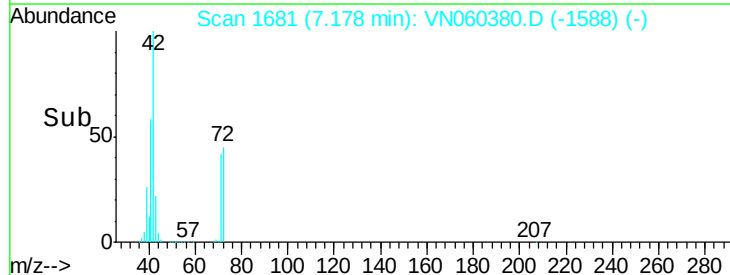
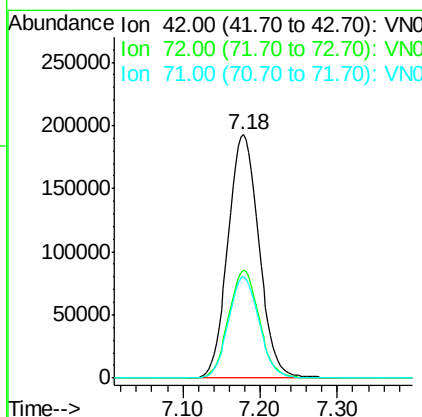
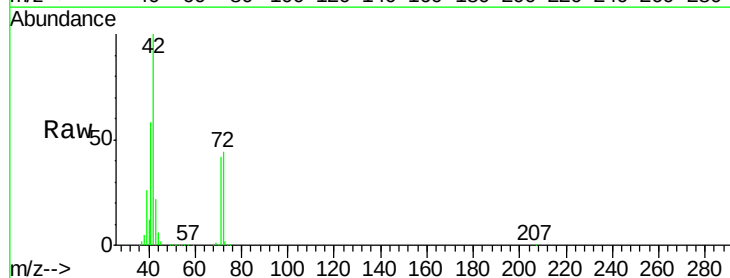
Instrument :
MSVOA_N
ClientSampleId :
400304782.2-VOA

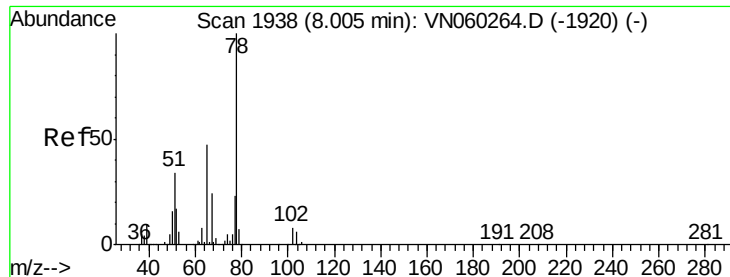
Tot Ion: 73 Resp: 12992
Ion Ratio Lower Upper
73 100
57 22.5 17.3 25.9



#29
Tetrahydrofuran
Concen: 562.623 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060380.D
Acq: 6 Mar 2020 15:06

Tgt Ion: 42 Resp: 536372
Ion Ratio Lower Upper
42 100
72 43.8 34.6 52.0
71 41.1 32.9 49.3

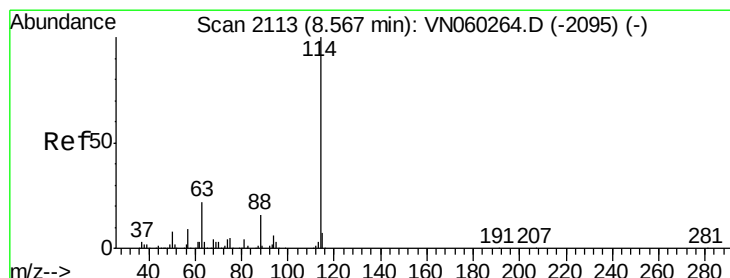
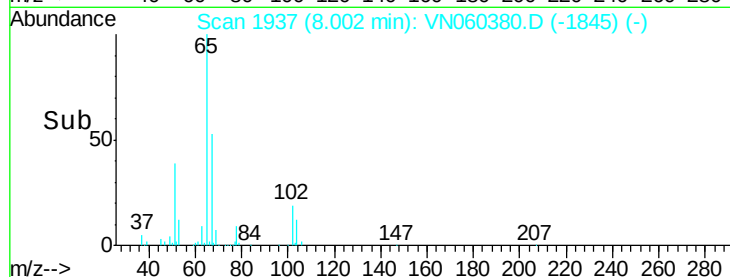
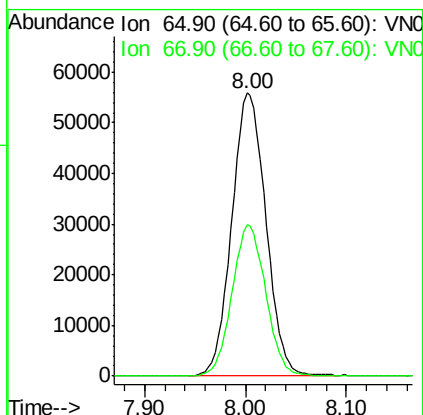
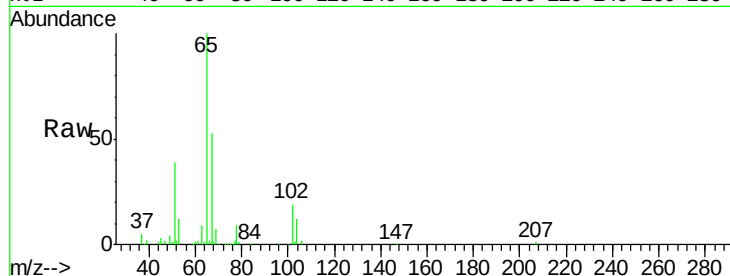




#33
 1,2-Dichloroethane-d4
 Concen: 49.903 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060380.D
 Acq: 6 Mar 2020 15:06

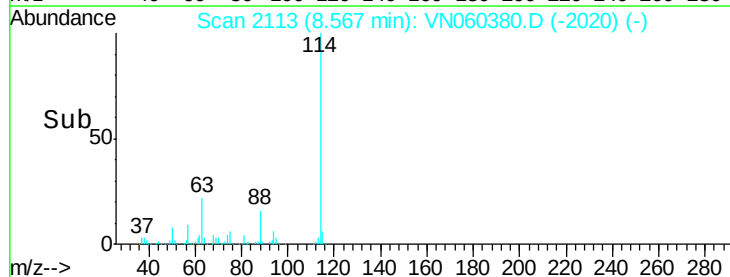
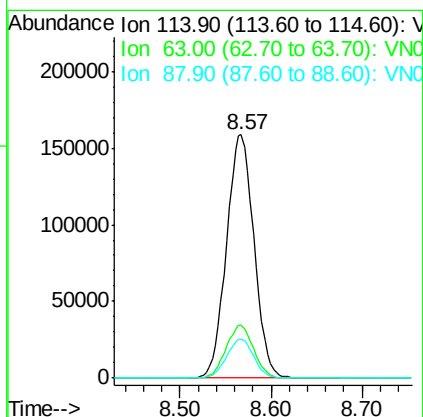
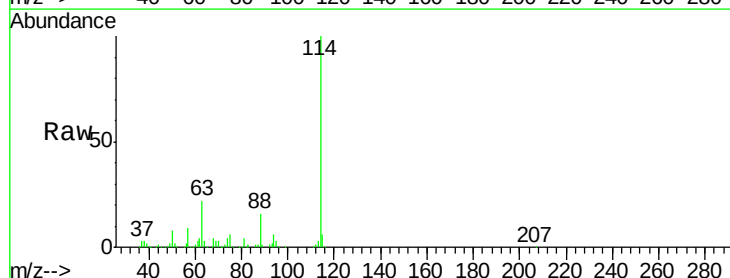
Instrument :
 MSVOA_N
 ClientSampleId :
 400304782.2-VOA

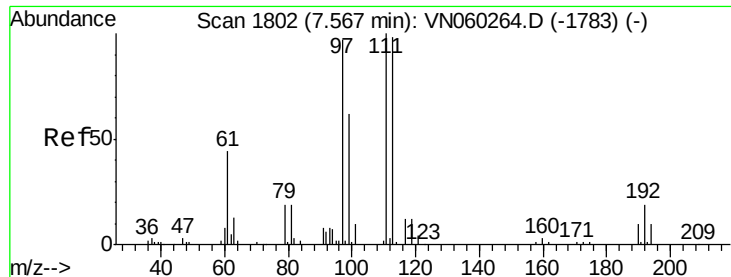
Tot Ion: 65 Resp: 131162
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060380.D
 Acq: 6 Mar 2020 15:06

Tgt Ion: 114 Resp: 333470
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 16.0 0.0 31.6

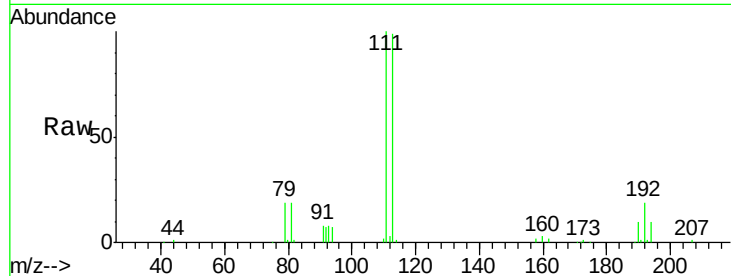




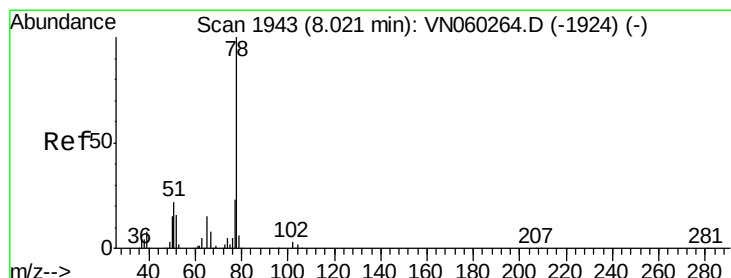
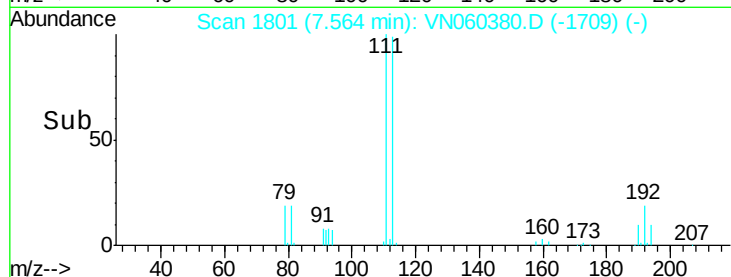
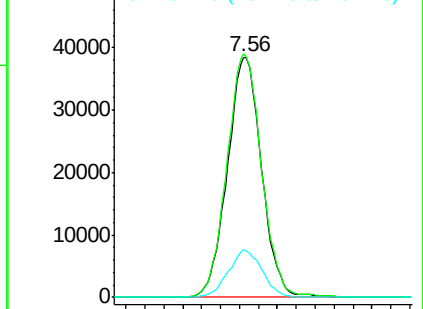
#35
 Dibromofluoromethane
 Concen: 62.257 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060380.D
 Acq: 6 Mar 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 400304782.2-VOA

Tot Ion:113 Resp: 96365
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.4 123.6
 192 19.5 16.2 24.2

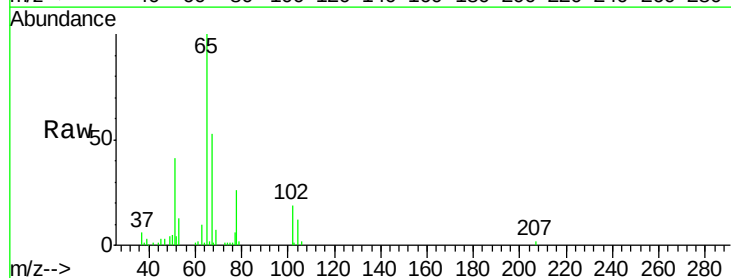


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

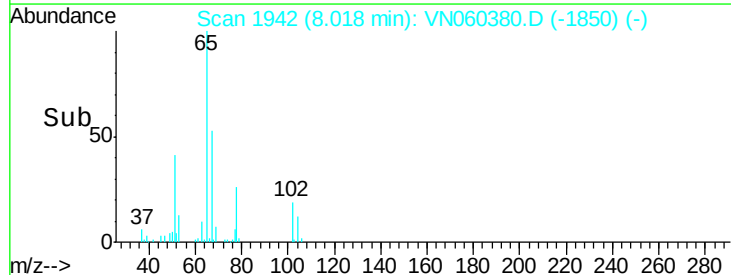
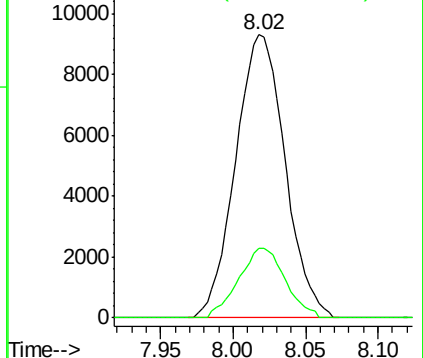


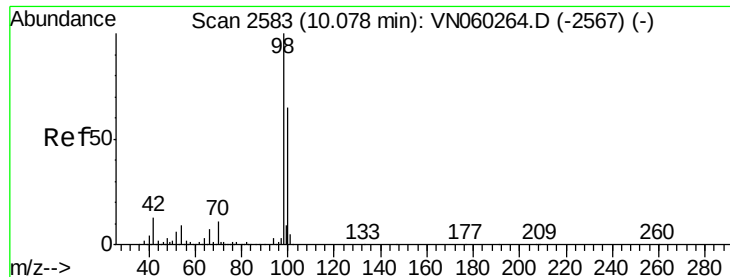
#40
 Benzene
 Concen: 2.386 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN060380.D
 Acq: 6 Mar 2020 15:06

Tgt Ion: 78 Resp: 22073
 Ion Ratio Lower Upper
 78 100
 77 24.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): V
 Ion 77.00 (76.70 to 77.70): V

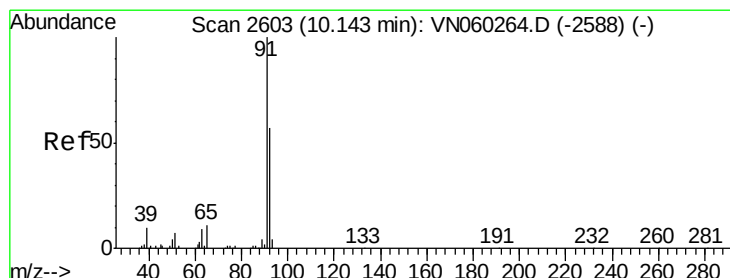
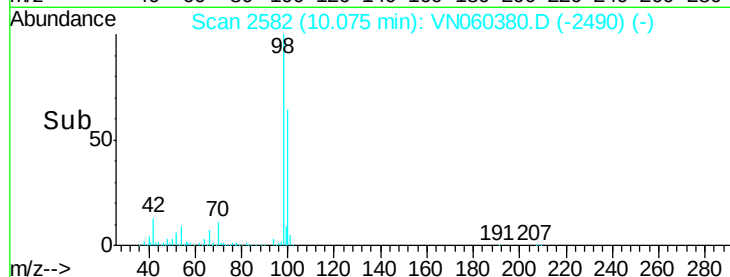
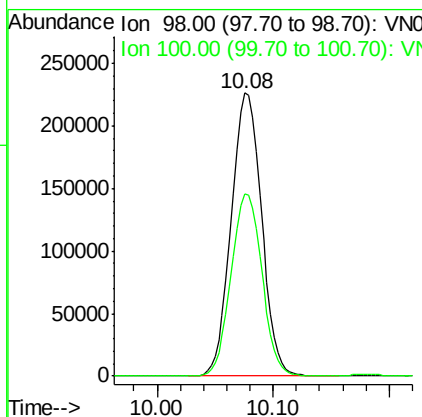
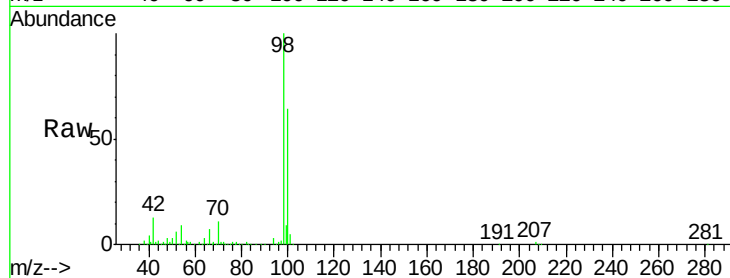




#50
Toluene-d8
Concen: 52.358 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060380.D
Acq: 6 Mar 2020 15:06

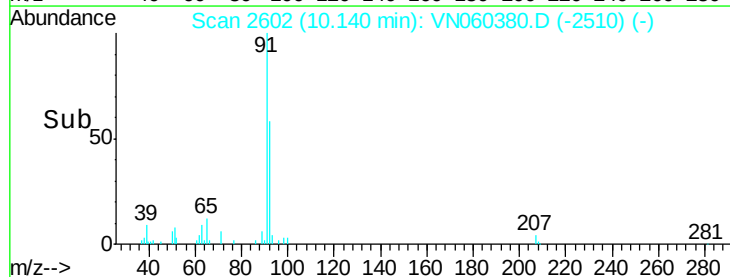
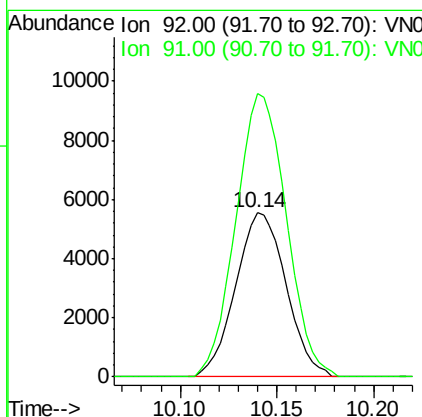
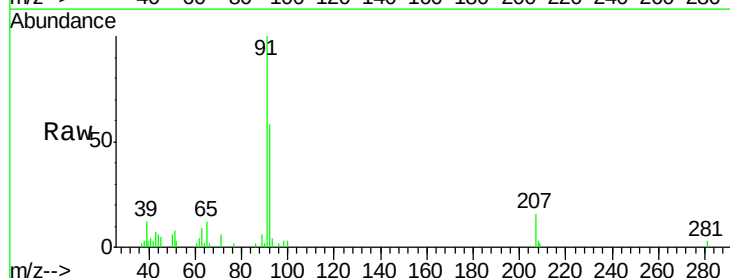
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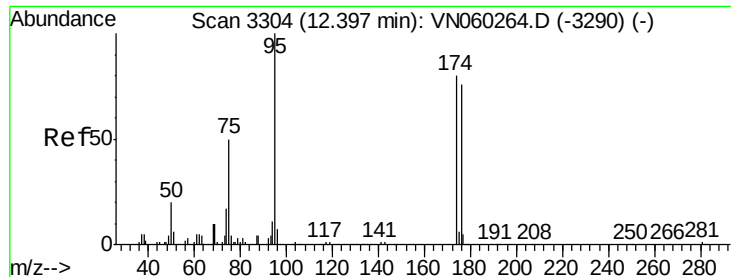
Tot Ion: 98 Resp: 410169
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.2



#52
Toluene
Concen: 1.734 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN060380.D
Acq: 6 Mar 2020 15:06

Tgt Ion: 92 Resp: 10075
Ion Ratio Lower Upper
92 100
91 172.7 138.1 207.1

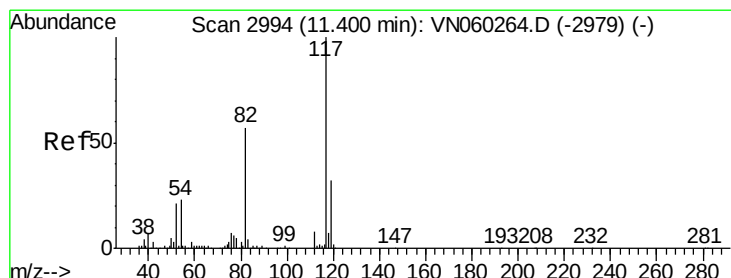
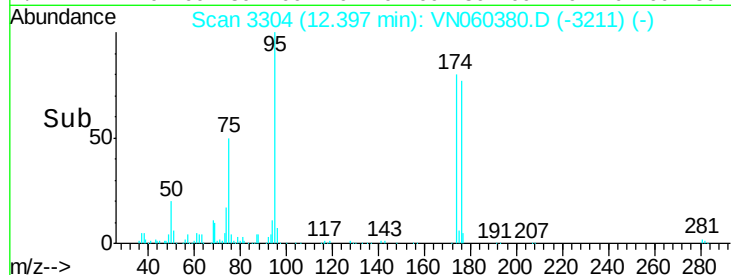
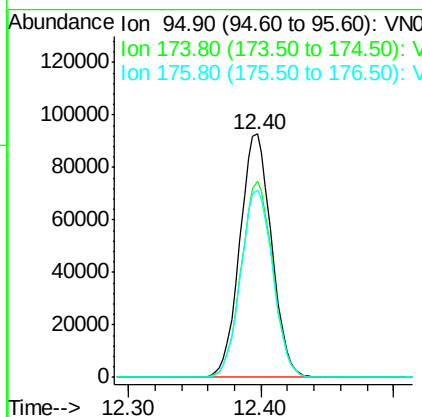
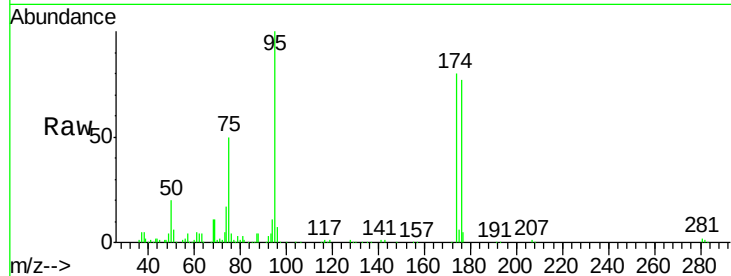




#62
4-Bromofluorobenzene
Concen: 51.778 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060380.D
Acq: 6 Mar 2020 15:06

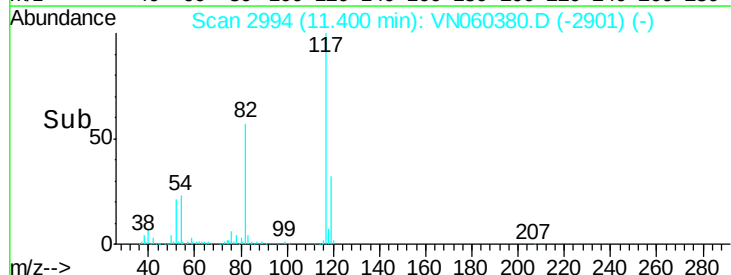
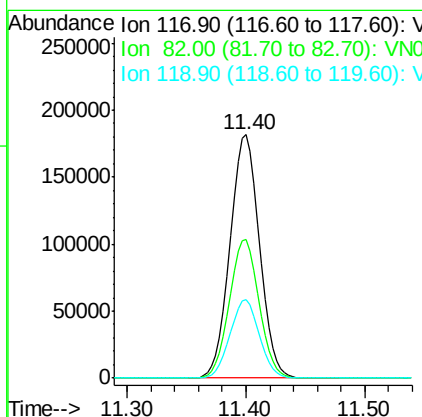
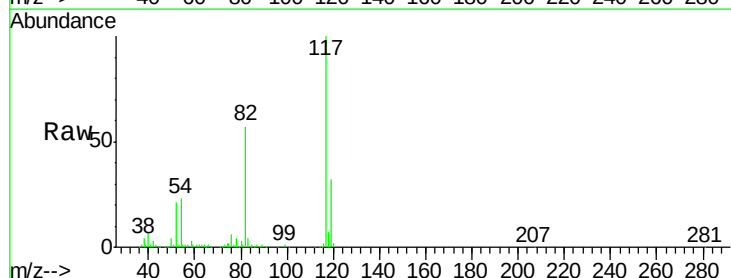
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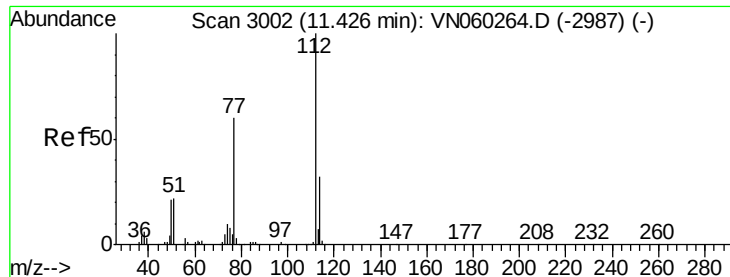
Tot Ion: 95 Resp: 153761
Ion Ratio Lower Upper
95 100
174 80.2 0.0 159.2
176 78.1 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060380.D
Acq: 6 Mar 2020 15:06

Tgt Ion: 117 Resp: 312197
Ion Ratio Lower Upper
117 100
82 56.7 45.8 68.6
119 32.2 25.8 38.8

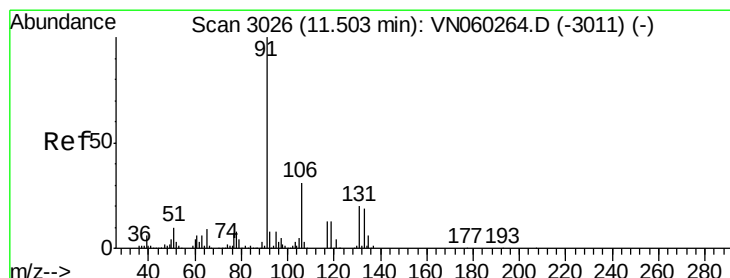
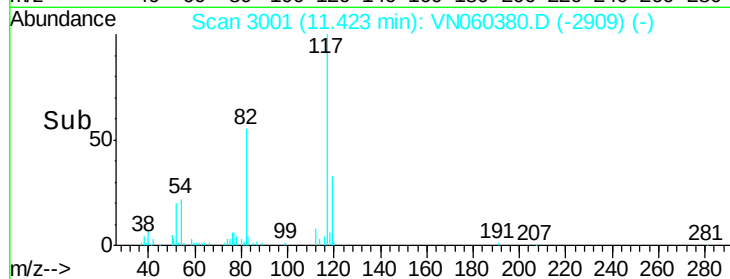
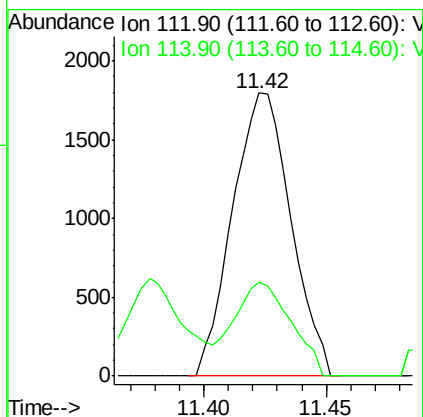
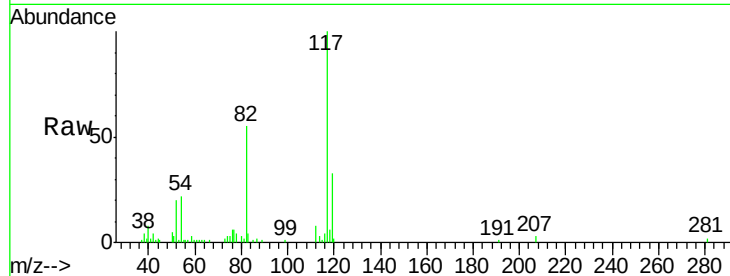




#65
Chlorobenzene
Concen: 0.472 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060380.D
Acq: 6 Mar 2020 15:06

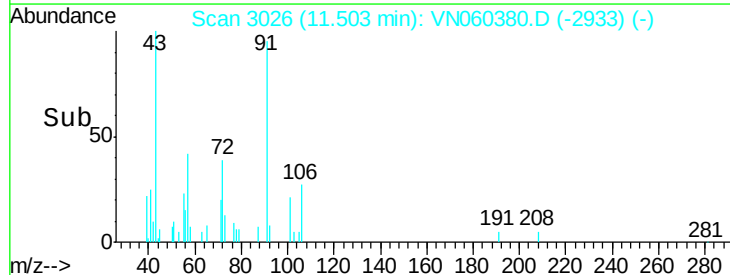
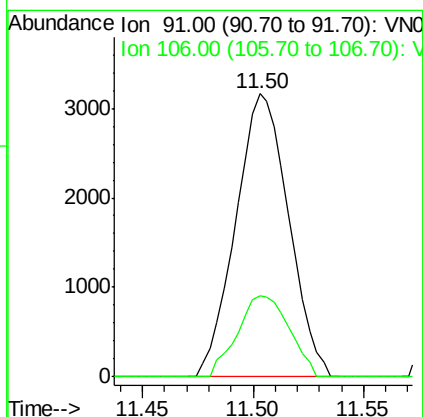
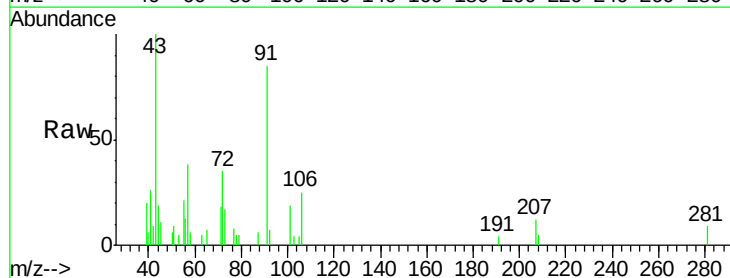
Instrument :
MSVOA_N
ClientSampleId :
400304782.2-VOA

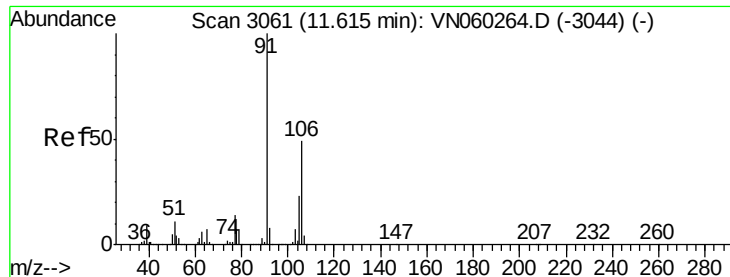
Tot Ion:112 Resp: 2978
Ion Ratio Lower Upper
112 100
114 33.0 25.4 38.0



#67
Ethyl Benzene
Concen: 0.457 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060380.D
Acq: 6 Mar 2020 15:06

Tgt Ion: 91 Resp: 5251
Ion Ratio Lower Upper
91 100
106 28.7 24.7 37.1

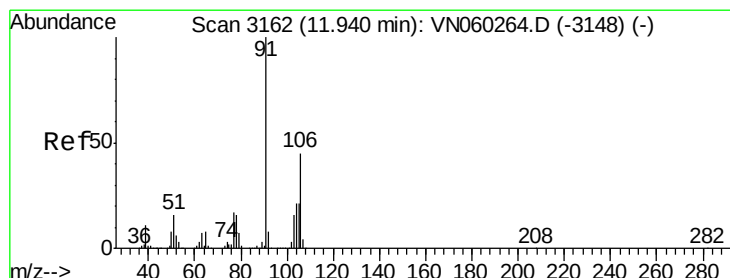
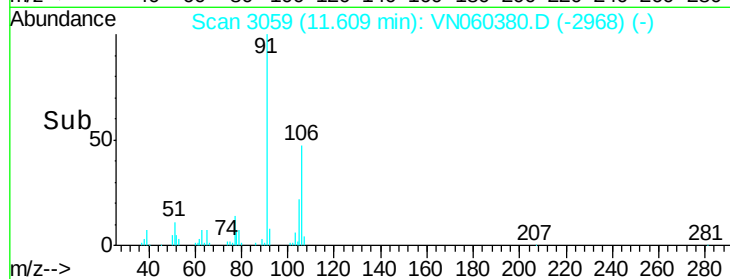
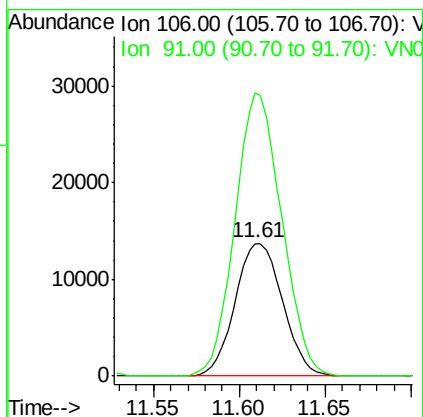
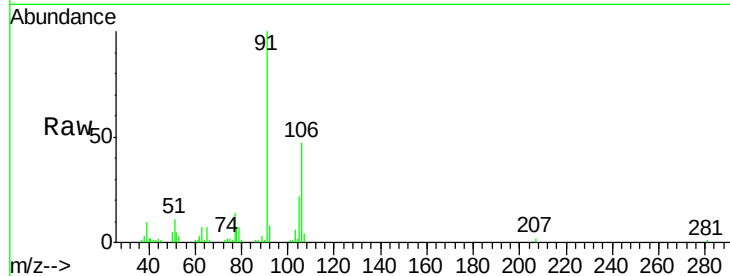




#68
m/p-Xylenes
Concen: 6.090 ug/l
RT: 11.61 min Scan# 3059
Delta R.T. -0.01 min
Lab File: VN060380.D
Acq: 6 Mar 2020 15:06

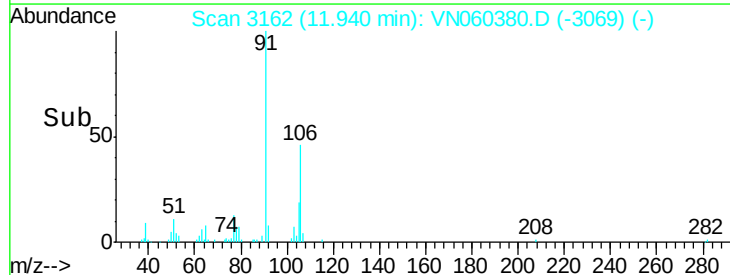
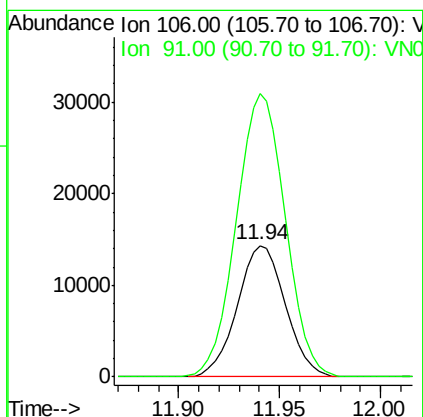
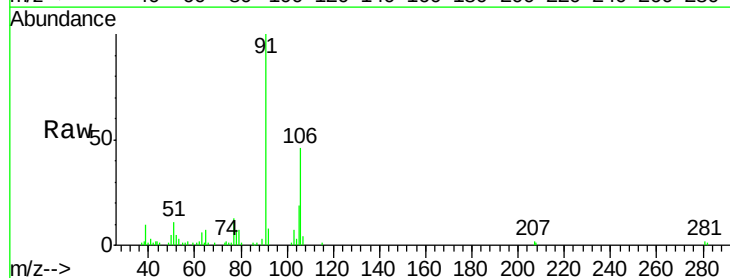
Instrument :
MSVOA_N
ClientSampleId :
400304782.2-VOA

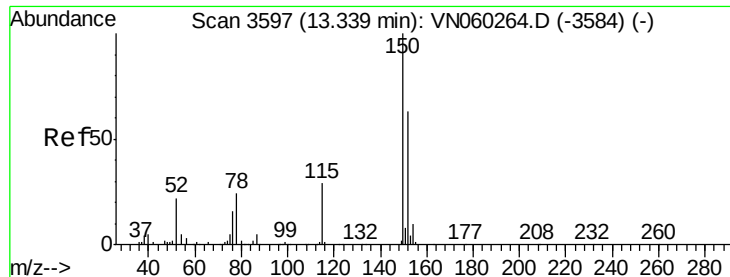
Tot Ion:106 Resp: 26377
Ion Ratio Lower Upper
106 100
91 209.3 164.5 246.7



#69
o-Xylene
Concen: 5.778 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060380.D
Acq: 6 Mar 2020 15:06

Tgt Ion:106 Resp: 23865
Ion Ratio Lower Upper
106 100
91 219.8 109.5 328.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060380.D

Acq: 6 Mar 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

400304782.2-VOA

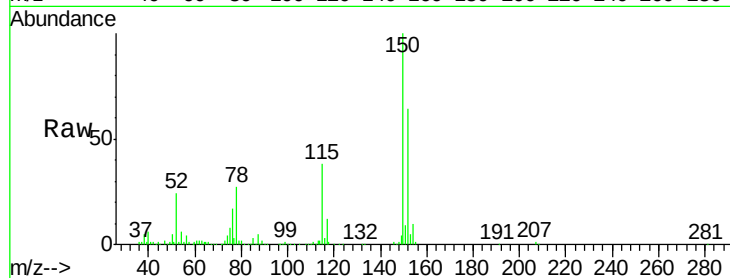
Tot Ion:152 Resp: 148755

Ion Ratio Lower Upper

152 100

115 60.6 30.0 90.0

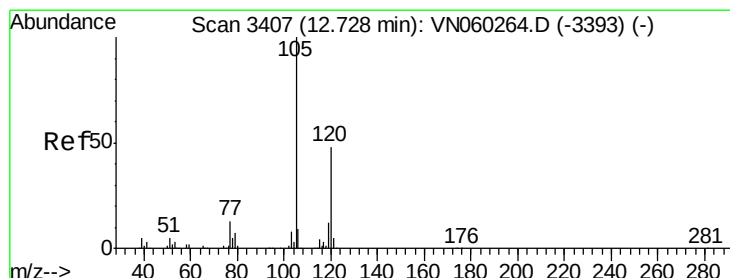
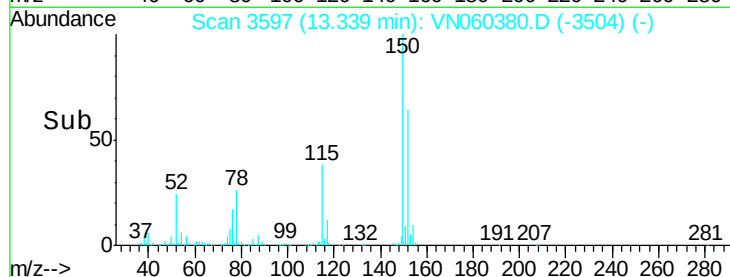
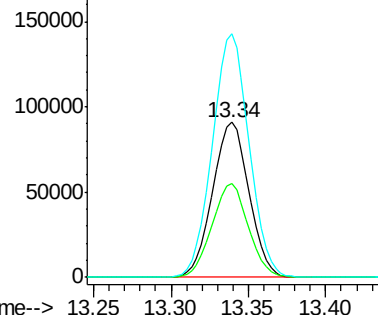
150 158.2 0.0 349.6



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



#80

1,3,5-Trimethylbenzene

Concen: 0.795 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060380.D

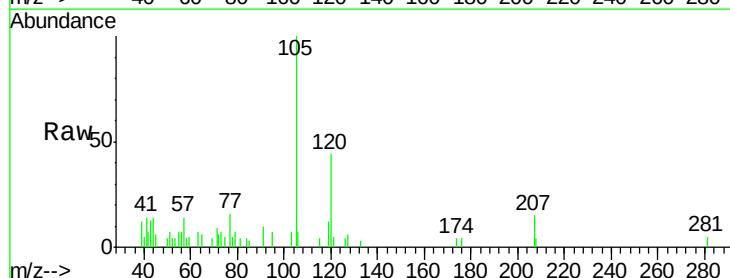
Acq: 6 Mar 2020 15:06

Tgt Ion:105 Resp: 7380

Ion Ratio Lower Upper

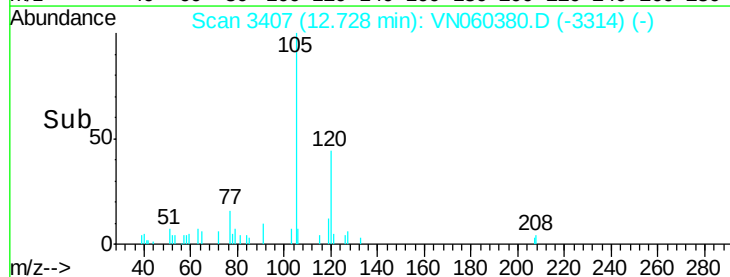
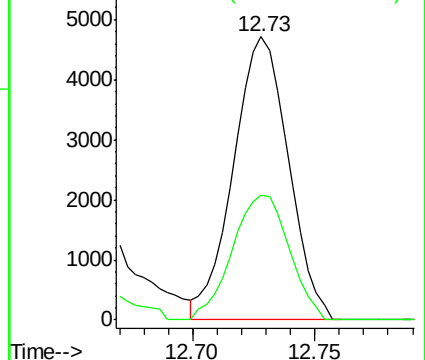
105 100

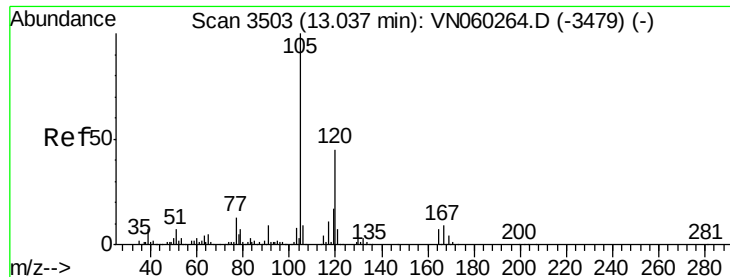
120 45.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 1.845 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060380.D

Acq: 6 Mar 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

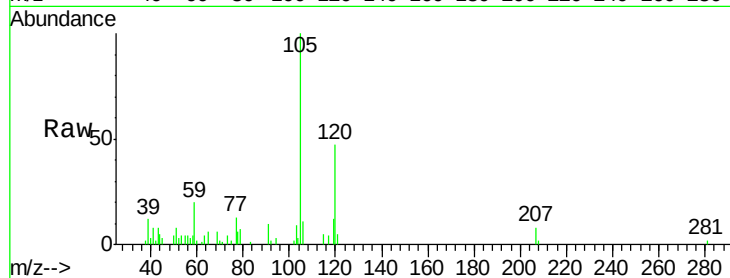
400304782.2-VOA

Tot Ion:105 Resp: 17288

Ion Ratio Lower Upper

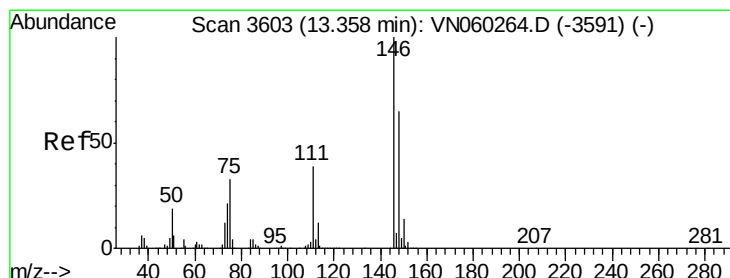
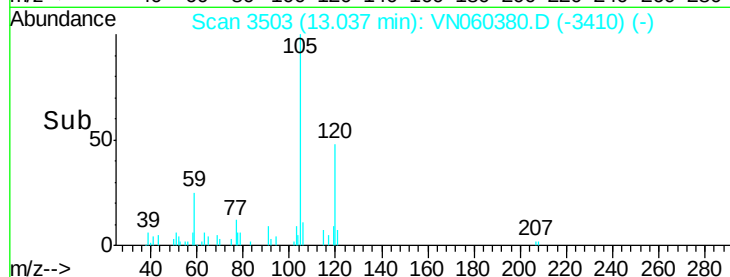
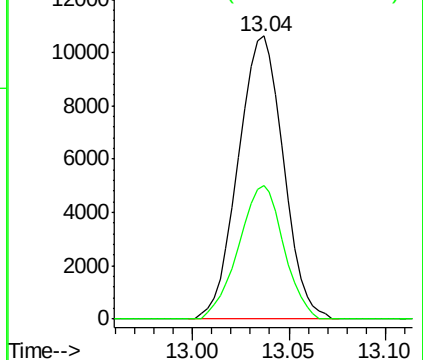
105 100

120 47.0 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#88

1,4-Dichlorobenzene

Concen: 1.965 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060380.D

Acq: 6 Mar 2020 15:06

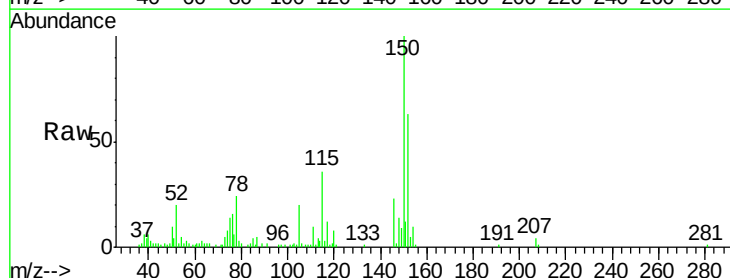
Tgt Ion:146 Resp: 10600

Ion Ratio Lower Upper

146 100

111 60.4 19.8 59.4#

148 66.8 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

