

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022520\
 Data File : VN060229.D
 Acq On : 25 Feb 2020 13:19
 Operator : JC/MD
 Sample : L1668-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30793

Quant Time: Feb 25 17:05:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	191870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	297274	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	294305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139894	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	111325	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
35) Dibromofluoromethane	7.57	113	89210	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
50) Toluene-d8	10.08	98	365423	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.40	95	141226	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	

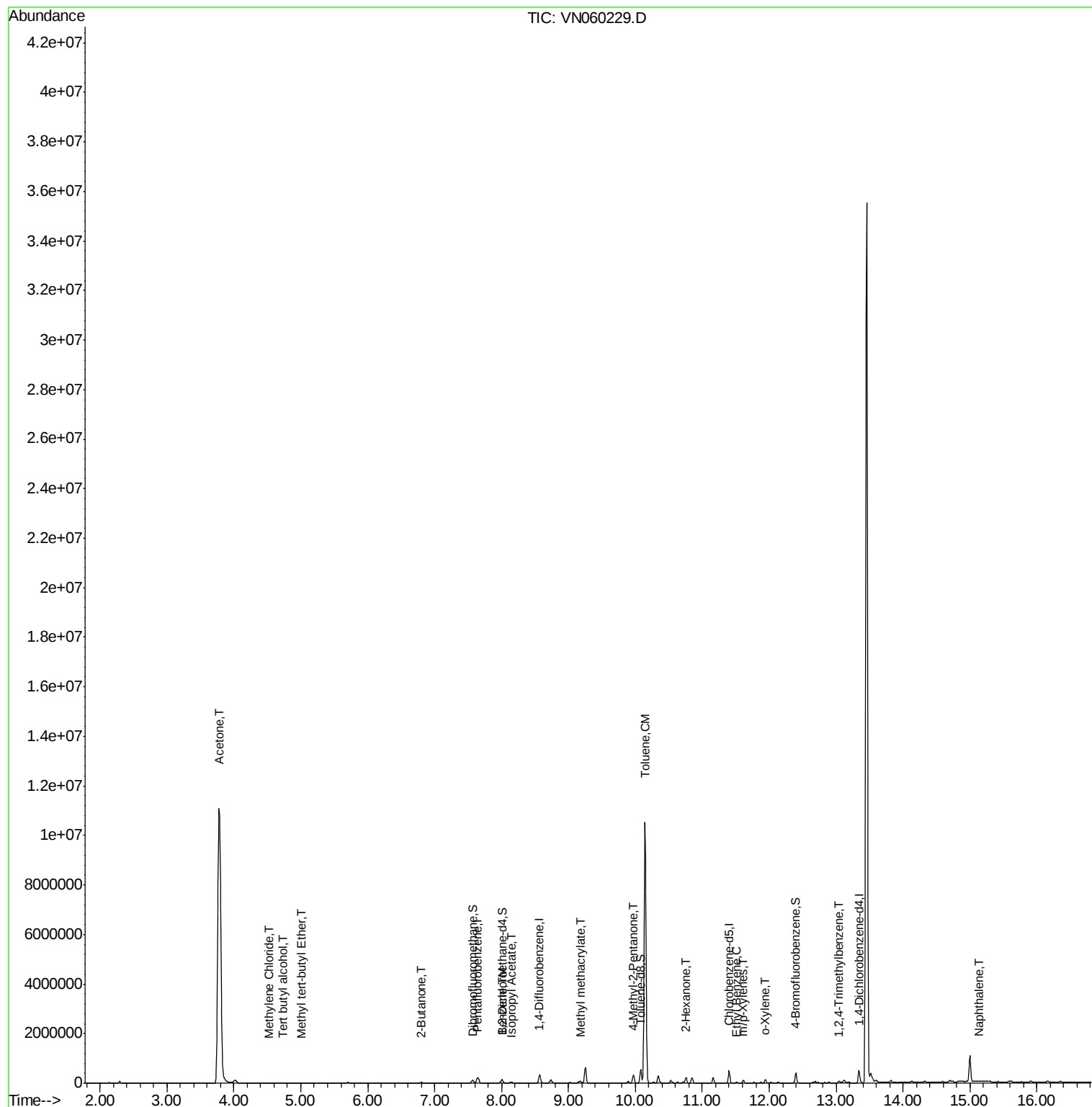
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	20406	58.406	ug/l	96
16) Acetone	3.78	43	14770663	14503.827	ug/l #	12
19) Methyl tert-butyl Ether	5.01	73	6904	1.132	ug/l	93
20) Methylene Chloride	4.53	84	7637	3.759	ug/l	97
25) 2-Butanone	6.81	43	36624	28.594	ug/l	96
40) Benzene	8.02	78	9509	1.164	ug/l	95
43) Isopropyl Acetate	8.14	43	44461	10.452	ug/l #	90
48) Methyl methacrylate	9.18	41	17656	9.251	ug/l	88
51) 4-Methyl-2-Pentanone	9.97	43	211734	85.993	ug/l	100
52) Toluene	10.15	92	5149322	983.120	ug/l #	67
59) 2-Hexanone	10.75	43	42964	22.589	ug/l	65
67) Ethyl Benzene	11.51	91	32286	2.986	ug/l	99
68) m/p-Xylenes	11.61	106	35725	8.802	ug/l	99
69) o-Xylene	11.94	106	19289	4.936	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	31856	3.715	ug/l	94
95) Naphthalene	15.13	128	20183	2.831	ug/l	98

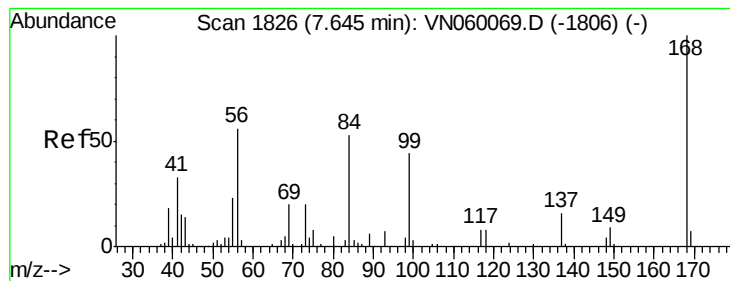
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN060229.D

Acq: 25 Feb 2020 13:19

Instrument :

MSVOA_N

ClientSampled :

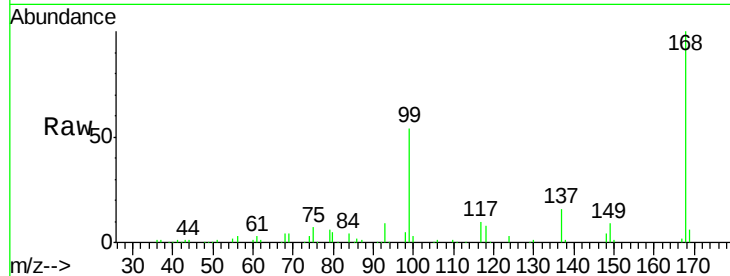
30793

Tot Ion:168 Resp: 191870

Ion Ratio Lower Upper

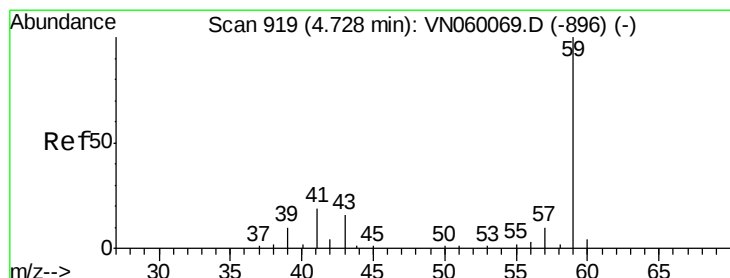
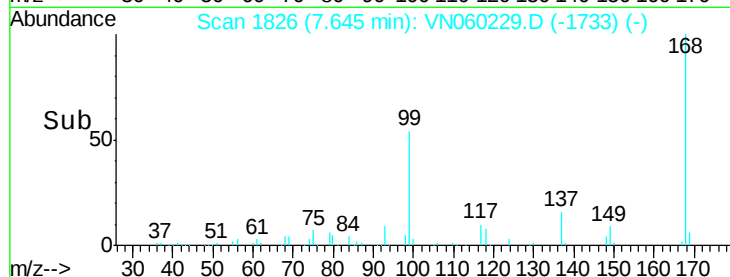
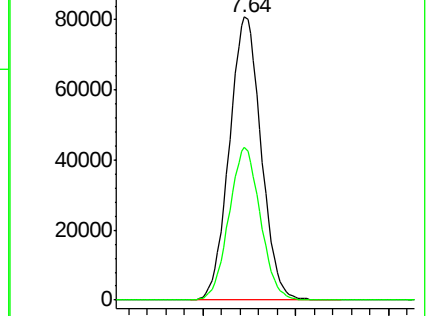
168 100

99 53.9 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 58.406 ug/l

RT: 4.73 min Scan# 920

Delta R.T. 0.00 min

Lab File: VN060229.D

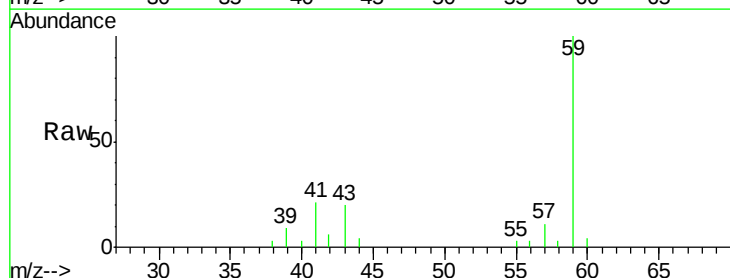
Acq: 25 Feb 2020 13:19

Tgt Ion: 59 Resp: 20406

Ion Ratio Lower Upper

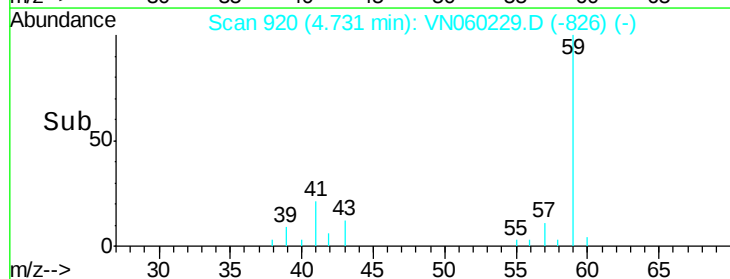
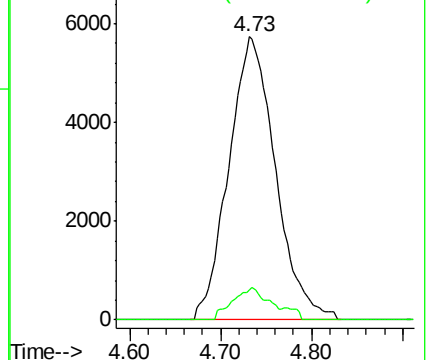
59 100

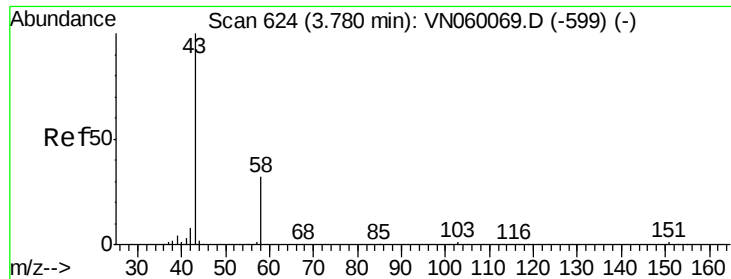
57 8.7 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

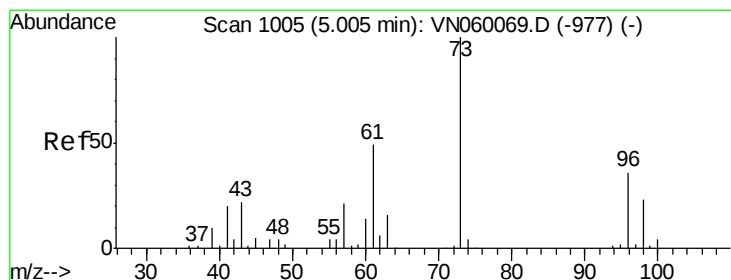
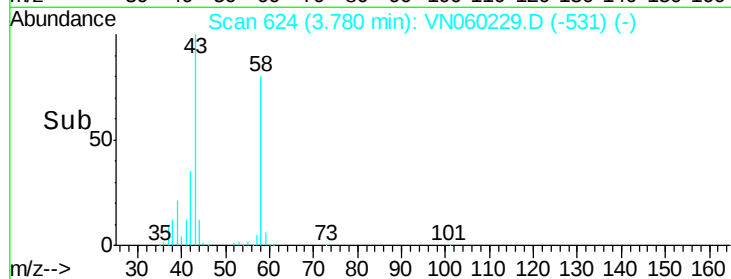
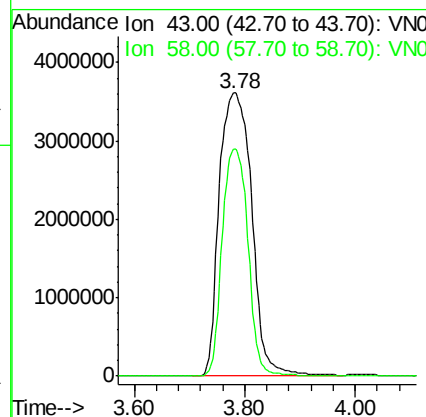
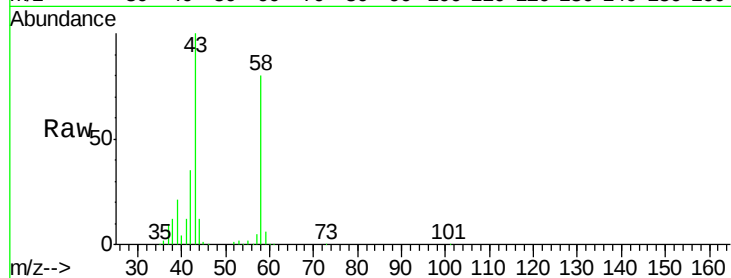




#16
Acetone
Concen: 14503.827 ug/l
RT: 3.78 min Scan# 624
Delta R.T. -0.00 min
Lab File: VN060229.D
Acq: 25 Feb 2020 13:19

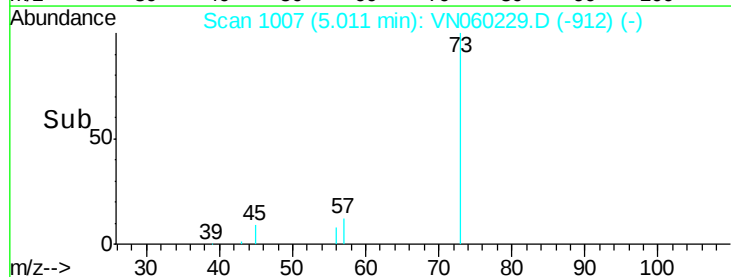
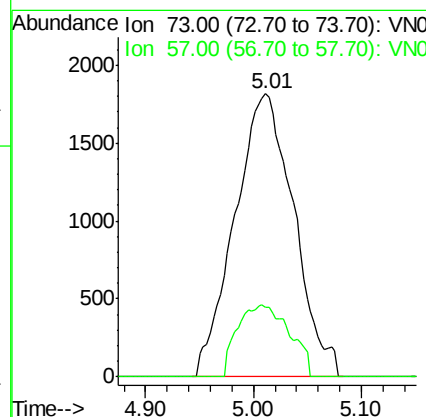
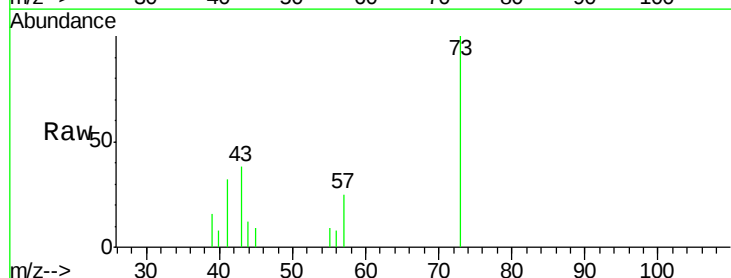
Instrument :
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ClientSampled :
30793

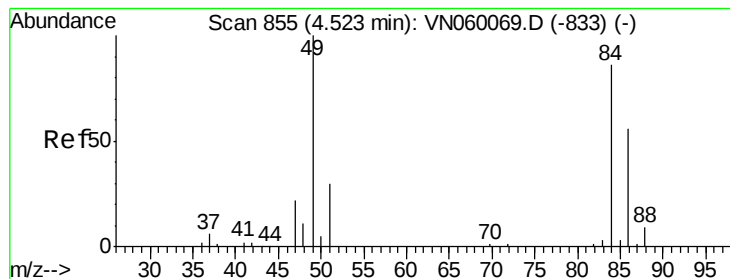
Tot Ion: 43 Resp:14770663
Ion Ratio Lower Upper
43 100
58 80.1 25.2 37.8#



#19
Methyl tert-butyl Ether
Concen: 1.132 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.01 min
Lab File: VN060229.D
Acq: 25 Feb 2020 13:19

Tgt Ion: 73 Resp: 6904
Ion Ratio Lower Upper
73 100
57 24.8 17.2 25.8





#20

Methylene Chloride

Concen: 3.759 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN060229.D

Acq: 25 Feb 2020 13:19

Instrument :

MSVOA_N

ClientSampled :

30793

Tot Ion: 84 Resp: 7637

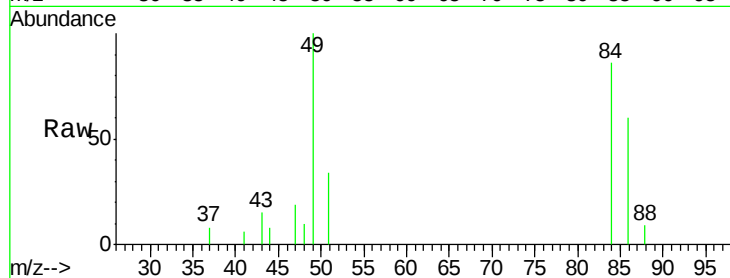
Ion Ratio Lower Upper

84 100

49 116.0 93.4 140.0

51 39.9 28.4 42.6

86 69.8 52.5 78.7

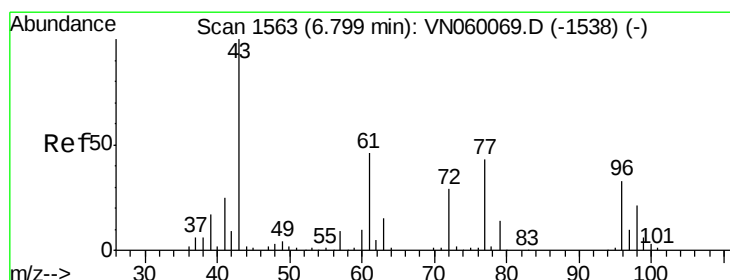
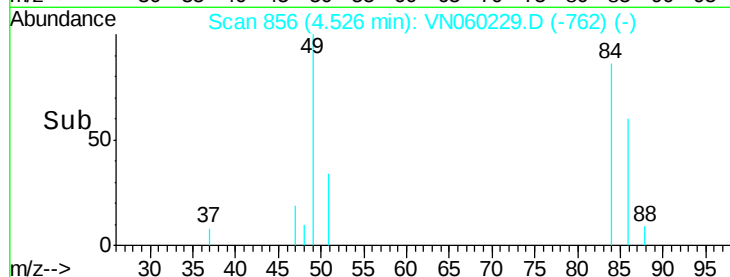
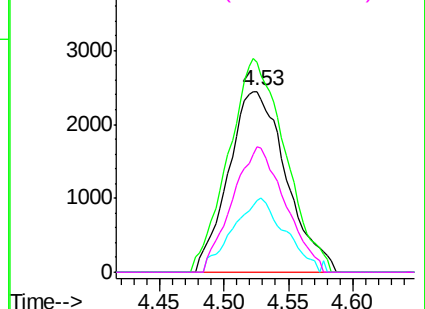


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 28.594 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN060229.D

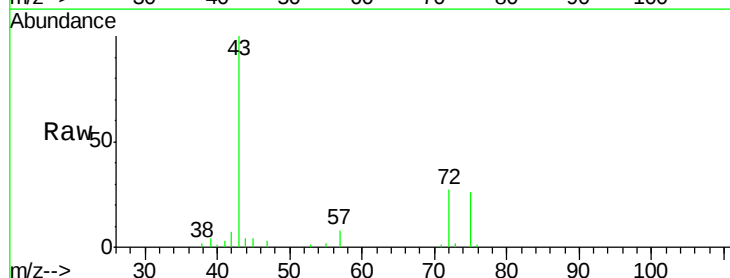
Acq: 25 Feb 2020 13:19

Tgt Ion: 43 Resp: 36624

Ion Ratio Lower Upper

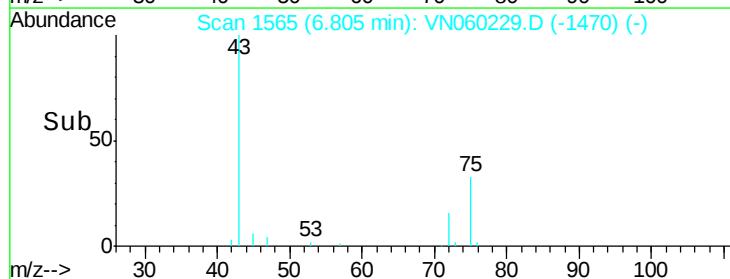
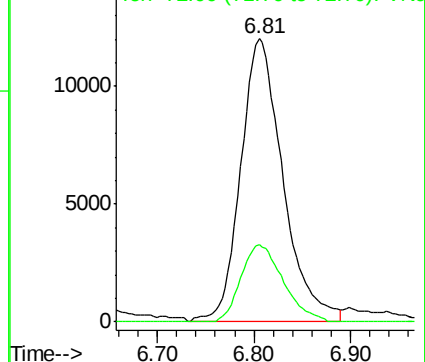
43 100

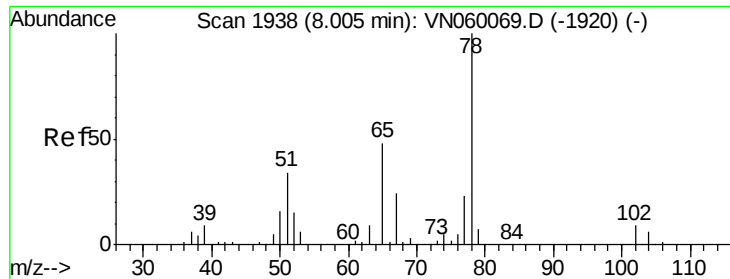
72 27.1 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

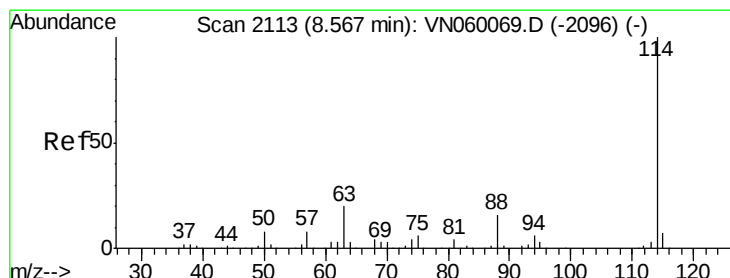
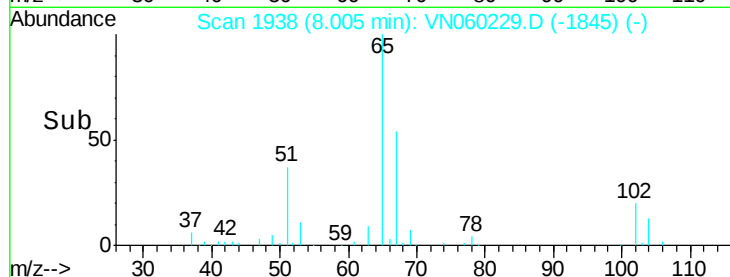
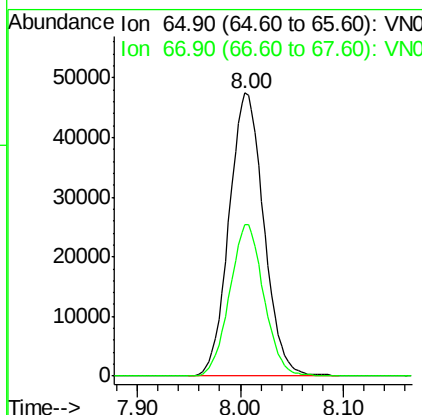
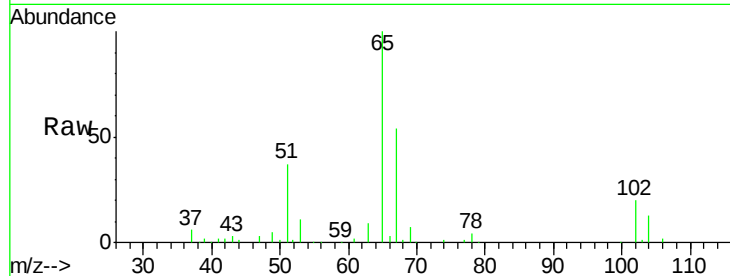




#33
 1,2-Dichloroethane-d4
 Concen: 47.682 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060229.D
 Acq: 25 Feb 2020 13:19

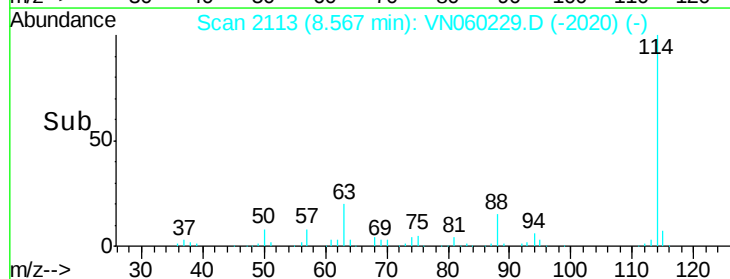
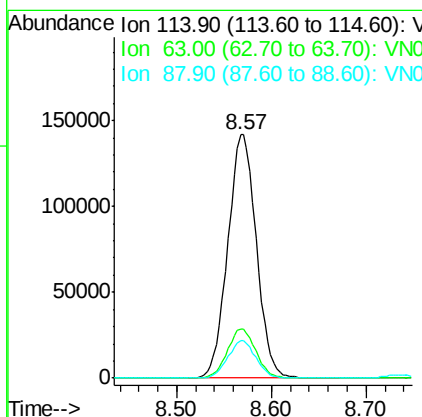
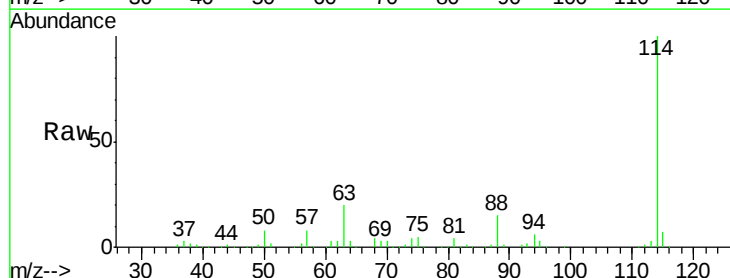
Instrument :
 MSVOA_N
 ClientSampled :
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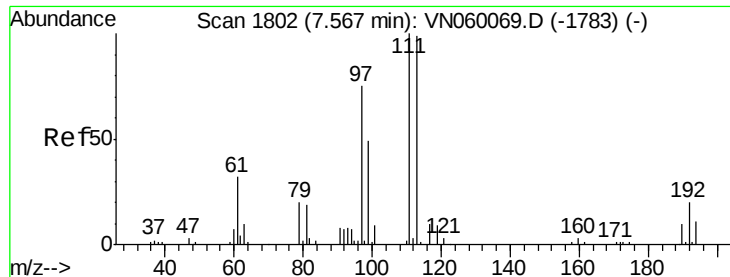
Tot Ion: 65 Resp: 111325
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060229.D
 Acq: 25 Feb 2020 13:19

Tgt Ion: 114 Resp: 297274
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.0
 88 15.5 0.0 31.6

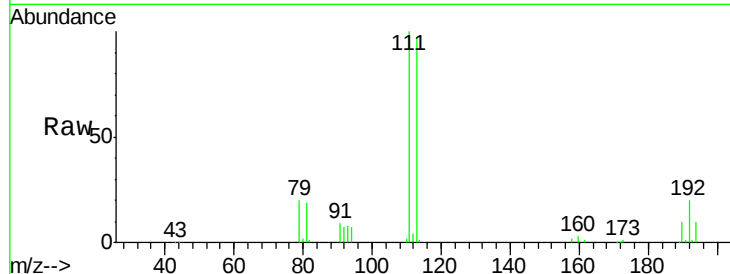




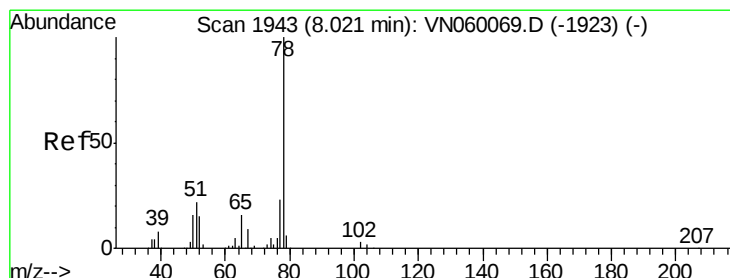
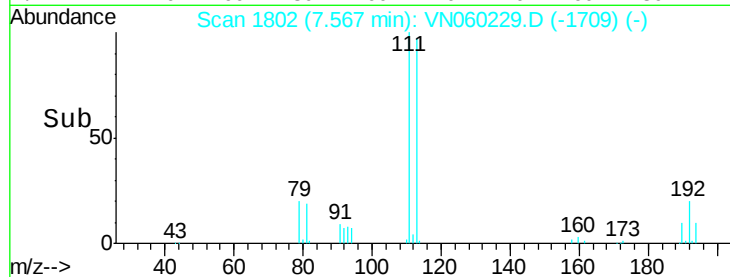
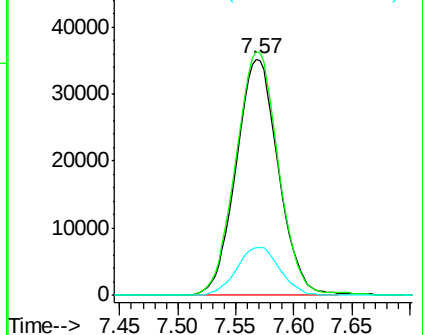
#35
 Dibromofluoromethane
 Concen: 48.819 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060229.D
 Acq: 25 Feb 2020 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 30793

Tot Ion:113 Resp: 89210
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.4 122.2
 192 20.8 16.2 24.2

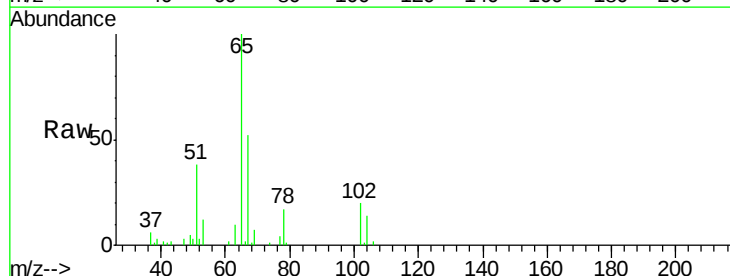


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

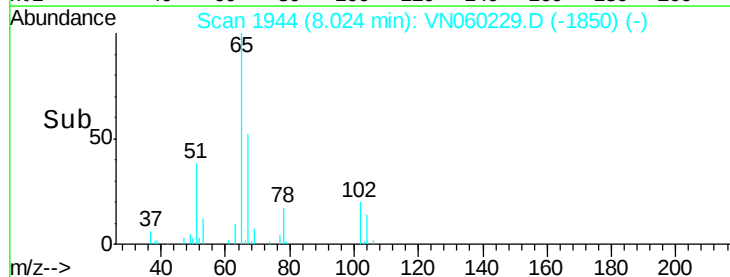
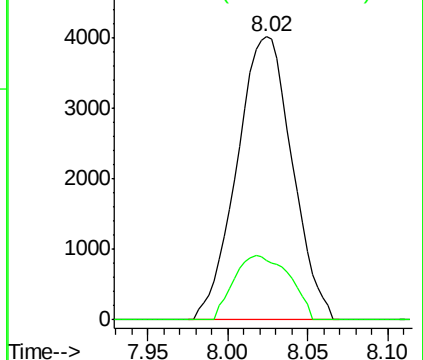


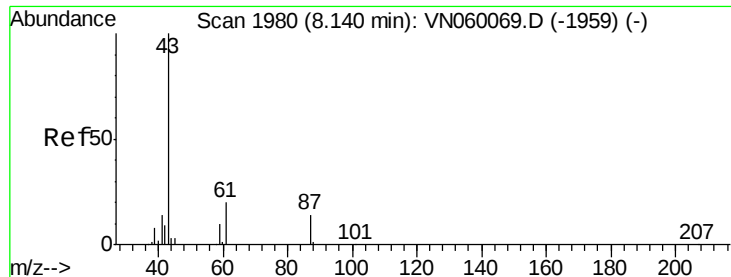
#40
 Benzene
 Concen: 1.164 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN060229.D
 Acq: 25 Feb 2020 13:19

Tgt Ion: 78 Resp: 9509
 Ion Ratio Lower Upper
 78 100
 77 21.0 18.8 28.2



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





#43

Isopropyl Acetate

Concen: 10.452 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060229.D

Acq: 25 Feb 2020 13:19

Instrument :

MSVOA_N

ClientSampled :

30793

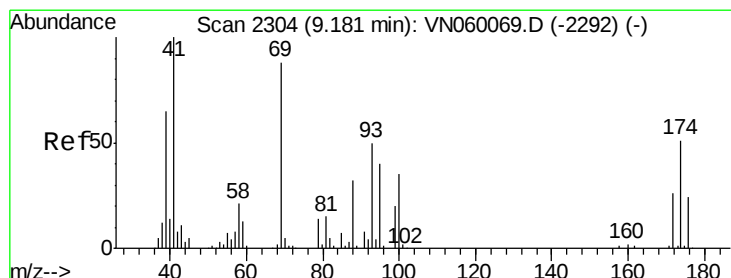
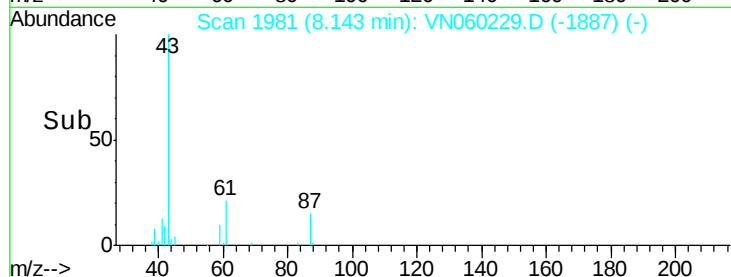
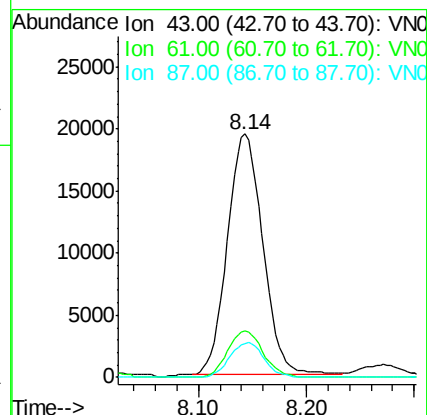
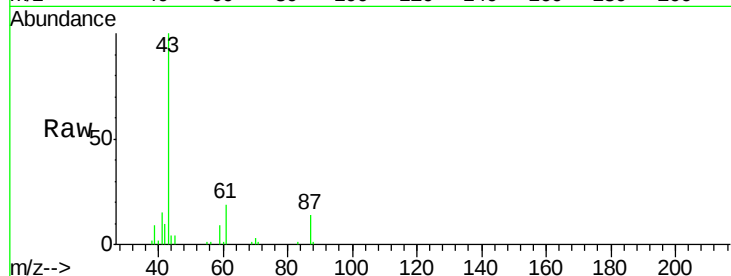
Tot Ion: 43 Resp: 44461

Ion Ratio Lower Upper

43 100

61 19.3 21.8 32.6#

87 13.9 11.4 17.2



#48

Methyl methacrylate

Concen: 9.251 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060229.D

Acq: 25 Feb 2020 13:19

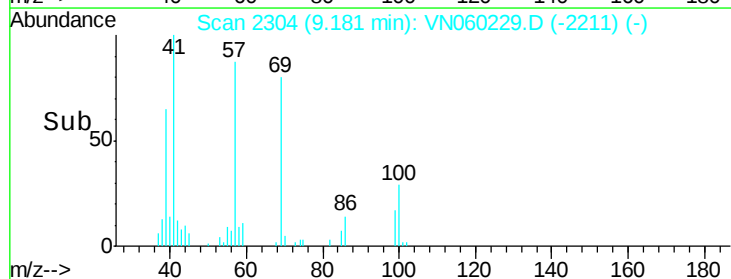
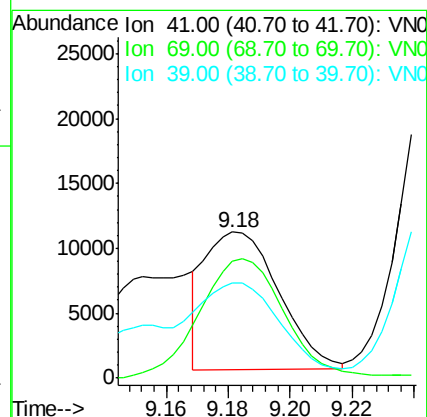
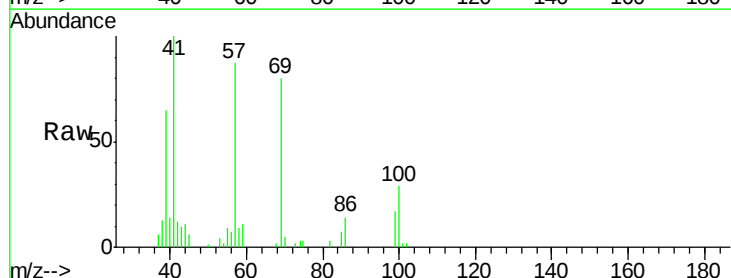
Tgt Ion: 41 Resp: 17656

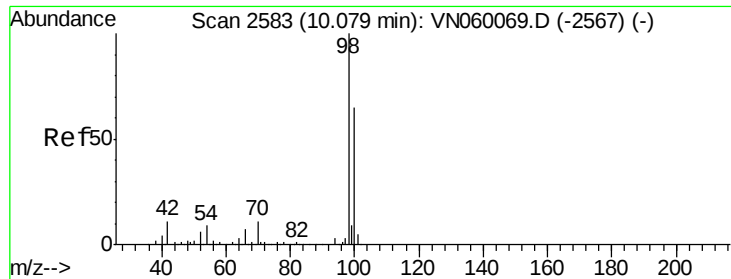
Ion Ratio Lower Upper

41 100

69 100.1 72.0 108.0

39 79.3 54.1 81.1





#50

Toluene-d8

Concen: 50.781 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060229.D

Acq: 25 Feb 2020 13:19

Instrument :

MSVOA_N

ClientSampled :

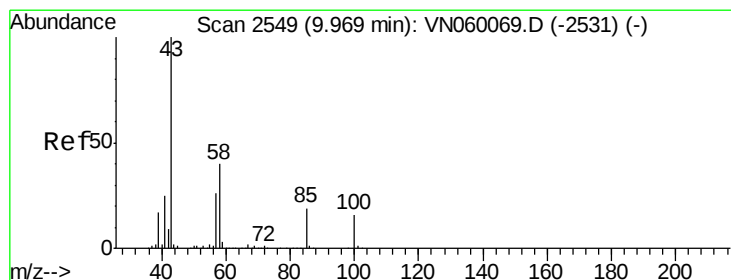
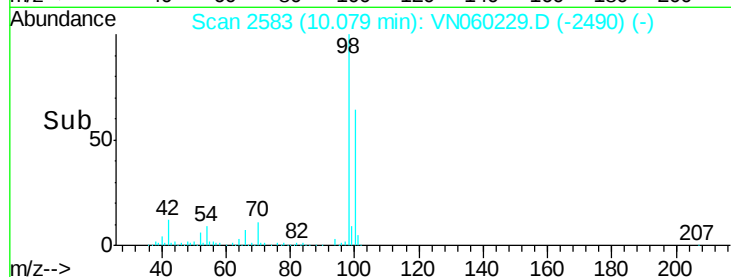
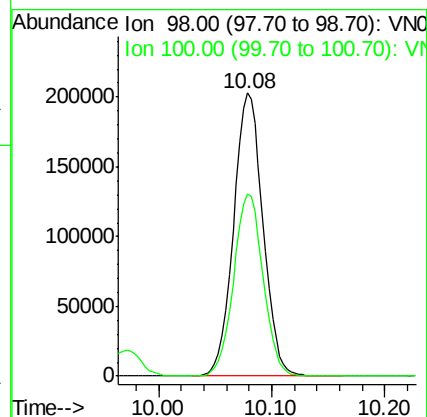
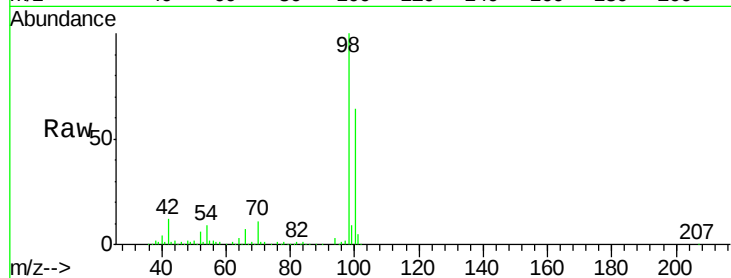
30793

Tot Ion: 98 Resp: 365423

Ion Ratio Lower Upper

98 100

100 64.6 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 85.993 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060229.D

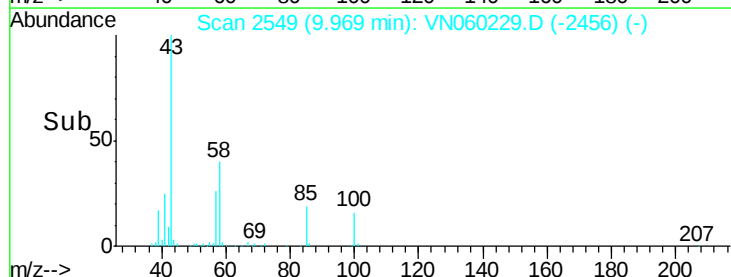
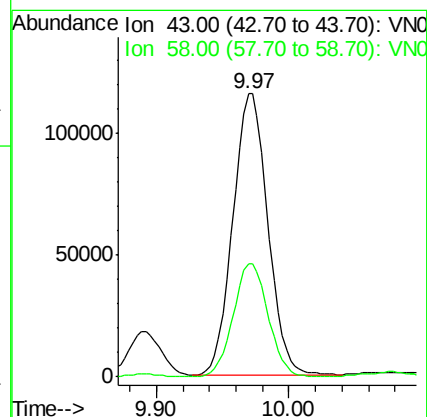
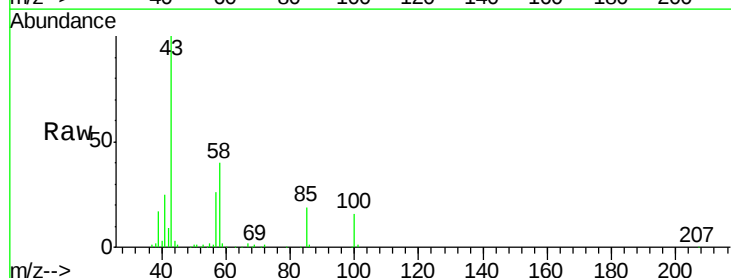
Acq: 25 Feb 2020 13:19

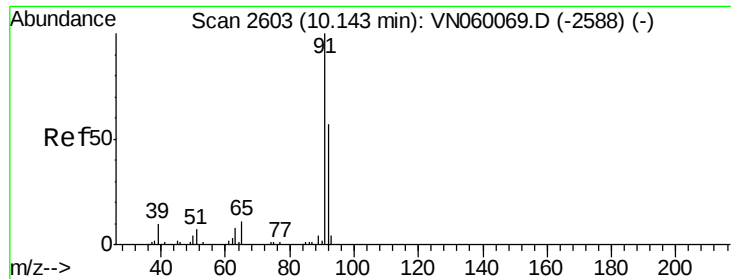
Tgt Ion: 43 Resp: 211734

Ion Ratio Lower Upper

43 100

58 40.1 31.8 47.8





#52

Toluene

Concen: 983.120 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN060229.D

Acq: 25 Feb 2020 13:19

Instrument :

MSVOA_N

ClientSampleId :

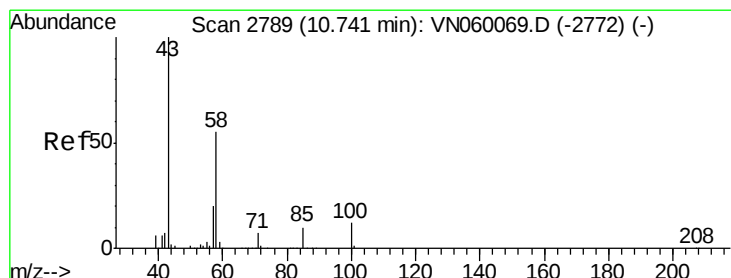
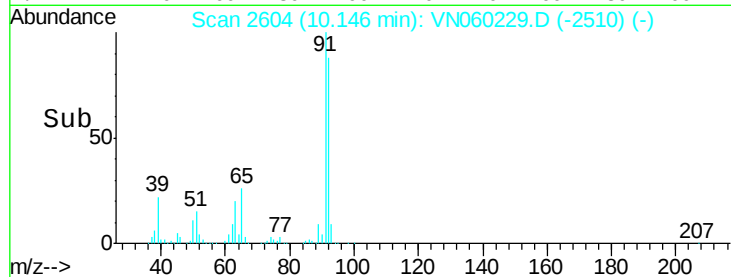
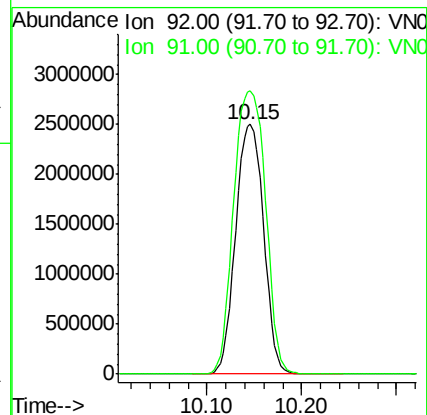
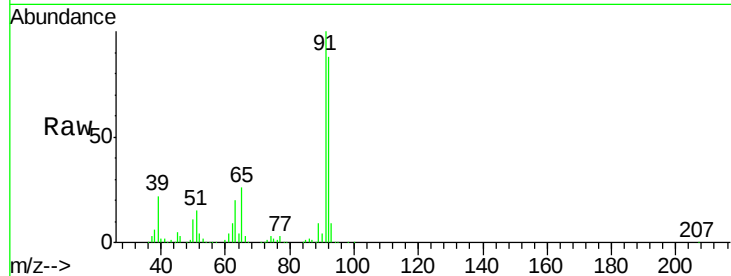
30793

Tot Ion: 92 Resp: 5149322

Ion Ratio Lower Upper

92 100

91 129.6 140.9 211.3#



#59

2-Hexanone

Concen: 22.589 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060229.D

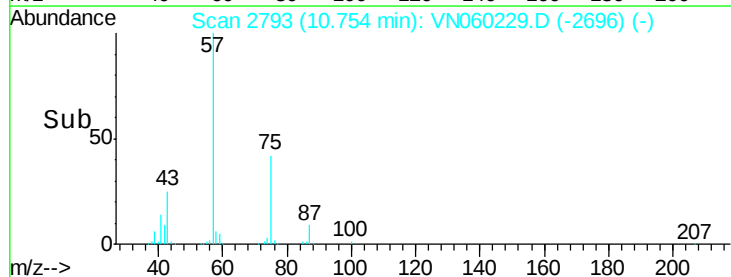
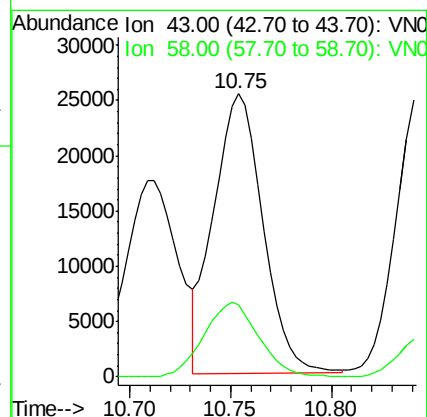
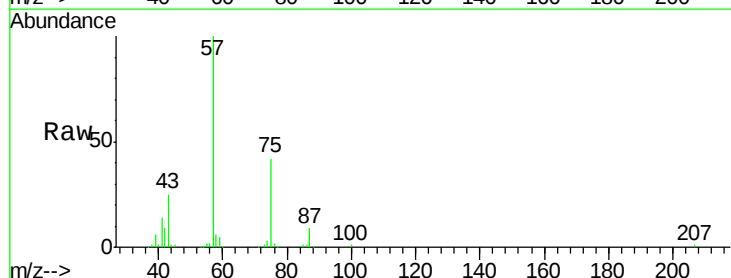
Acq: 25 Feb 2020 13:19

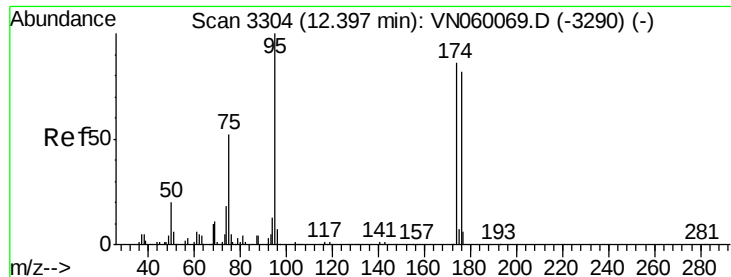
Tgt Ion: 43 Resp: 42964

Ion Ratio Lower Upper

43 100

58 29.6 27.5 82.4





#62

4-Bromofluorobenzene

Concen: 53.410 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060229.D

Acq: 25 Feb 2020 13:19

Instrument :

MSVOA_N

ClientSampled :

30793

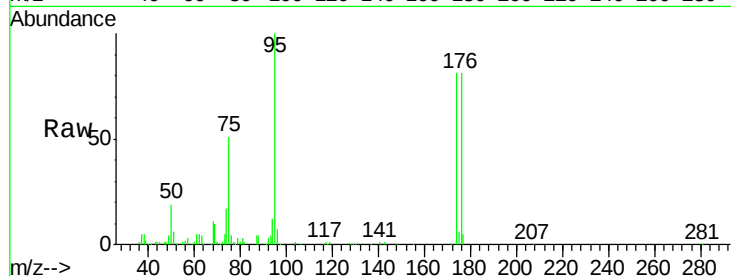
Tot Ion: 95 Resp: 141226

Ion Ratio Lower Upper

95 100

174 83.0 0.0 169.8

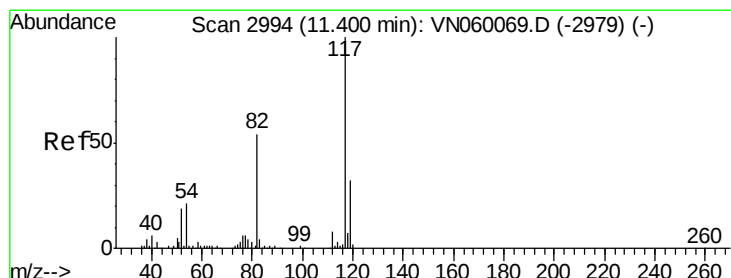
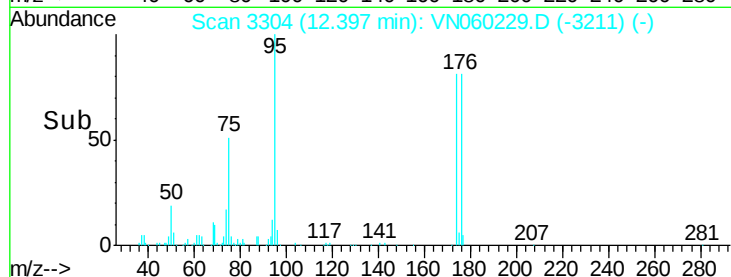
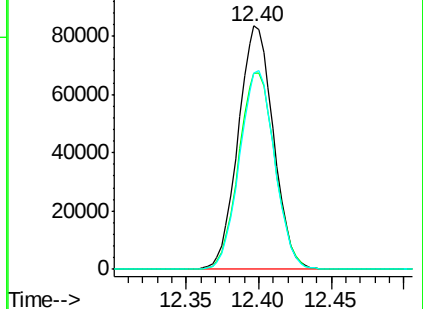
176 81.3 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN060229.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060229.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060229.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060229.D

Acq: 25 Feb 2020 13:19

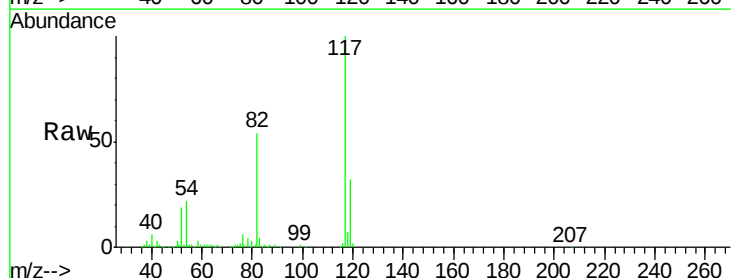
Tgt Ion: 117 Resp: 294305

Ion Ratio Lower Upper

117 100

82 53.7 43.4 65.0

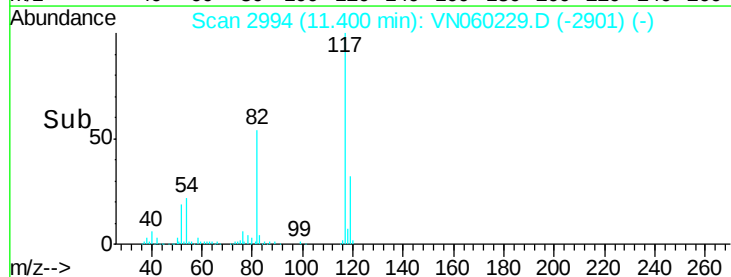
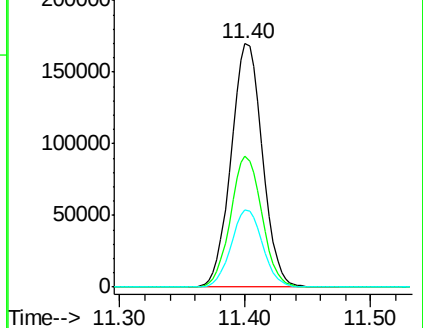
119 31.6 25.8 38.6

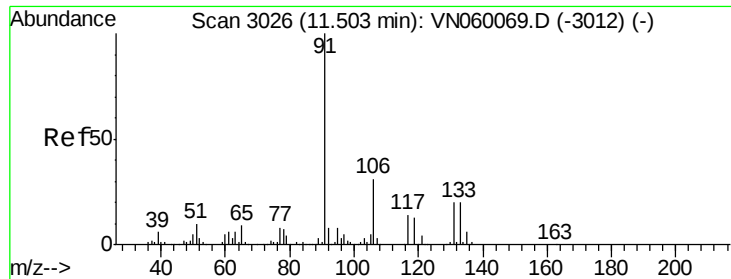


Abundance Ion 116.90 (116.60 to 117.60): VN060229.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060229.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060229.D (-2901) (-)

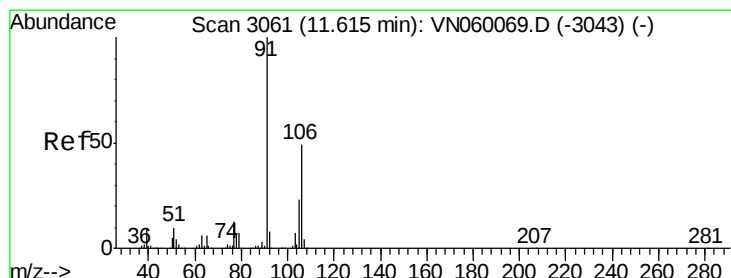
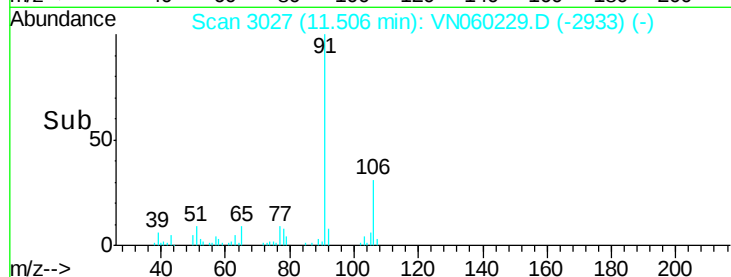
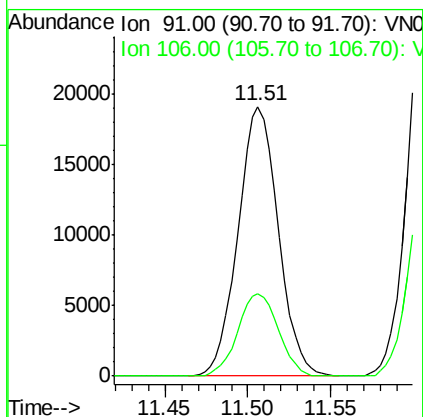
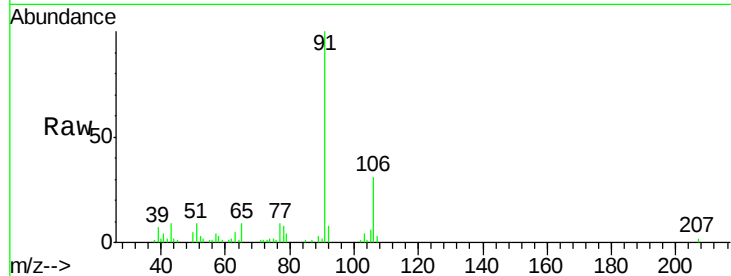




#67
Ethyl Benzene
Concen: 2.986 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060229.D
Acq: 25 Feb 2020 13:19

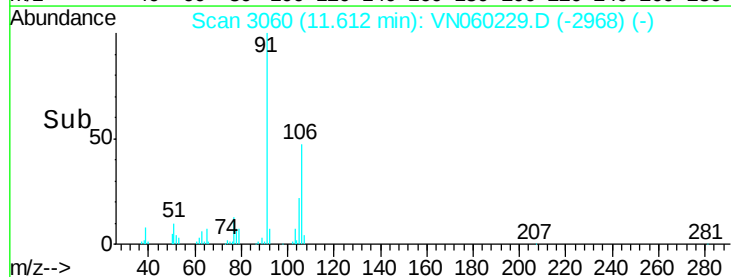
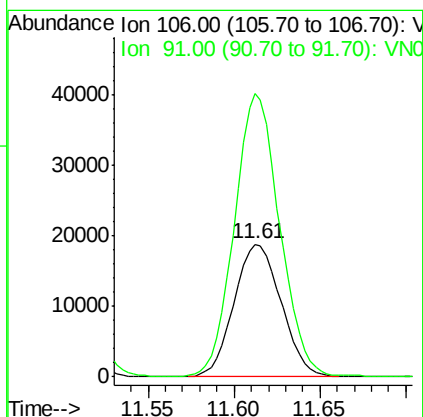
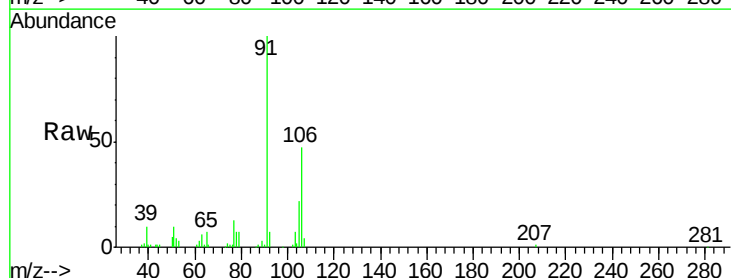
Instrument :
MSVOA_N
ClientSampled :
30793

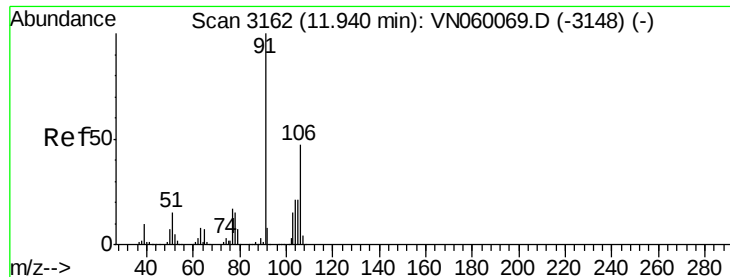
Tot Ion: 91 Resp: 32286
Ion Ratio Lower Upper
91 100
106 30.6 25.1 37.7



#68
m/p-Xylenes
Concen: 8.802 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060229.D
Acq: 25 Feb 2020 13:19

Tgt Ion: 106 Resp: 35725
Ion Ratio Lower Upper
106 100
91 205.6 162.7 244.1

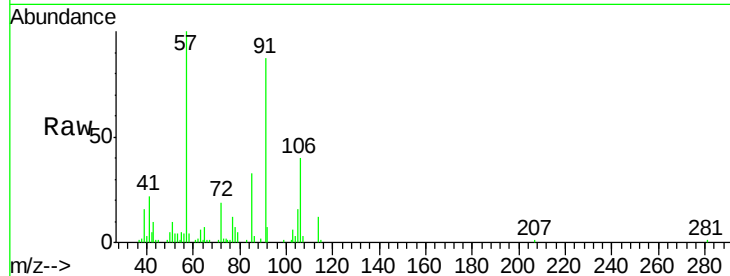




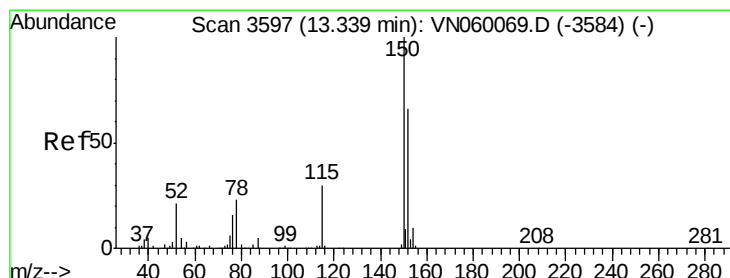
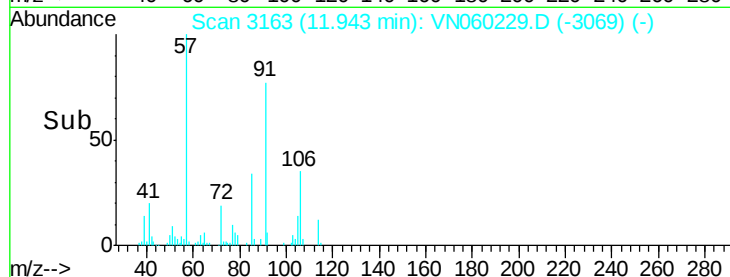
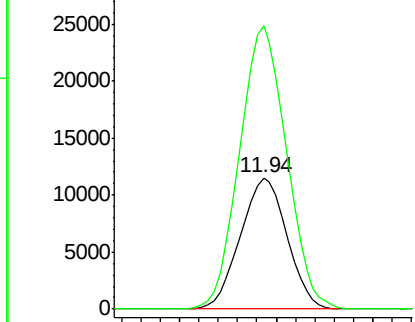
#69
o-Xylene
Concen: 4.936 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060229.D
Acq: 25 Feb 2020 13:19

Instrument :
MSVOA_N
ClientSampled :
30793

Tot Ion:106 Resp: 19289
Ion Ratio Lower Upper
106 100
91 216.9 107.2 321.6

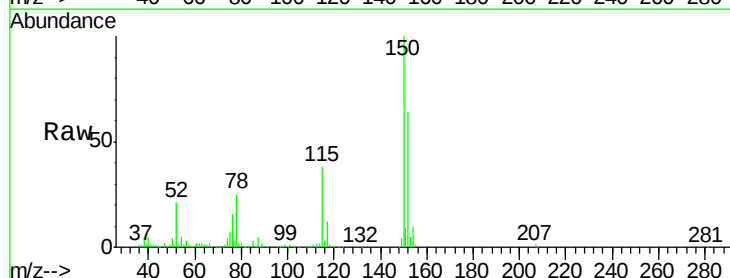


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

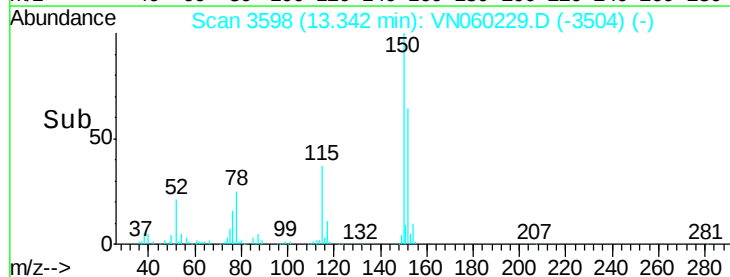
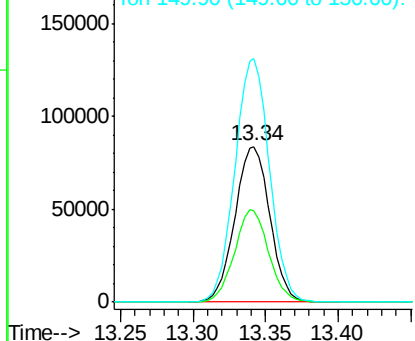


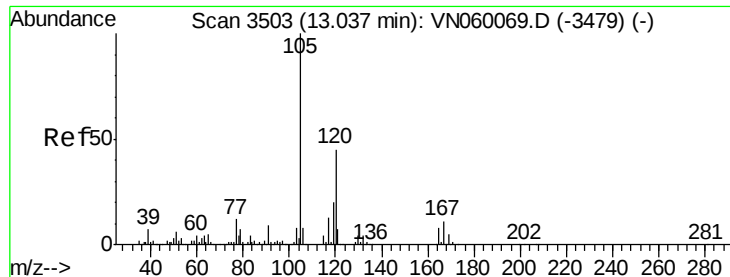
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN060229.D
Acq: 25 Feb 2020 13:19

Tgt Ion:152 Resp: 139894
Ion Ratio Lower Upper
152 100
115 58.4 28.9 86.8
150 155.2 0.0 342.4



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

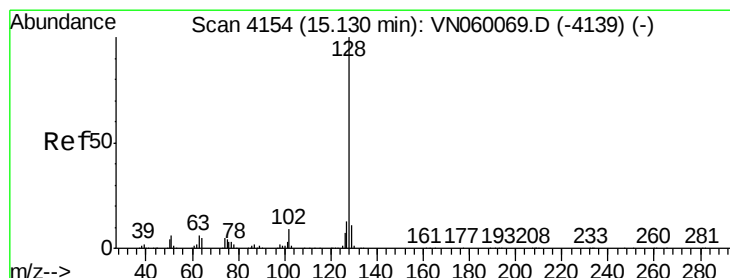
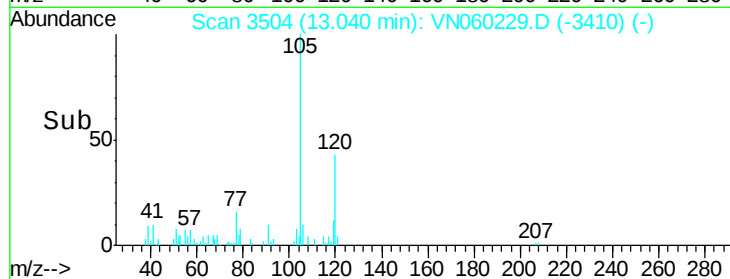
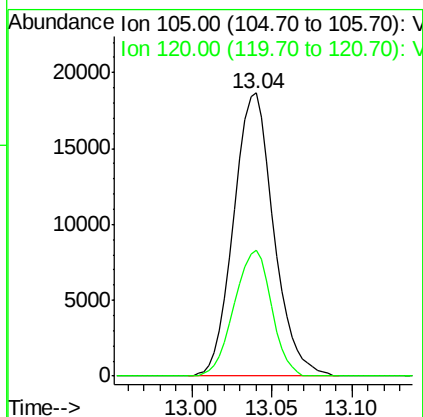
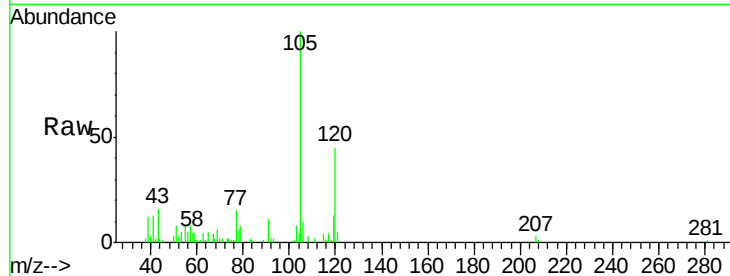




#84
 1,2,4-Trimethylbenzene
 Concen: 3.715 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN060229.D
 Acq: 25 Feb 2020 13:19

Instrument :
 MSVOA_N
 ClientSampled :
 30793

Tot Ion:105 Resp: 31856
 Ion Ratio Lower Upper
 105 100
 120 41.1 22.4 67.3



#95
 Naphthalene
 Concen: 2.831 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. -0.00 min
 Lab File: VN060229.D
 Acq: 25 Feb 2020 13:19

Tgt Ion:128 Resp: 20183
 Ion Ratio Lower Upper
 128 100
 127 12.5 10.3 15.5
 129 11.7 8.6 13.0

