

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060601.D
 Acq On : 18 Mar 2020 18:42
 Operator : JC/MD
 Sample : L1946-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP

Quant Time: Mar 19 07:30:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

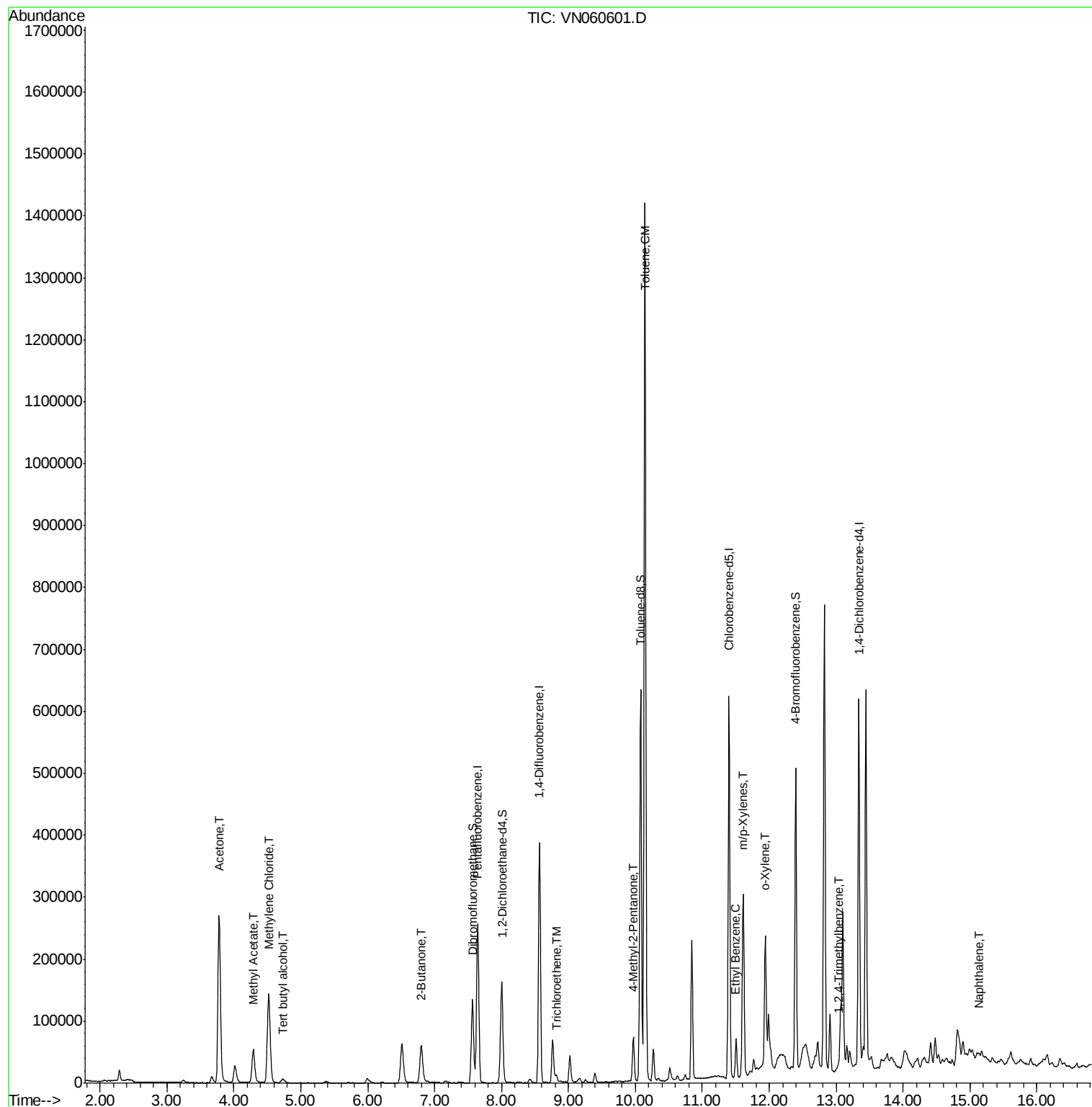
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	212131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	347381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	324938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152292	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	134277	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
35) Dibromofluoromethane	7.57	113	103227	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	10.08	98	429081	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.40	95	163428	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.73	59	13488	31.494	ug/l #	85
16) Acetone	3.78	43	457949	443.957	ug/l	99
18) Methyl Acetate	4.29	43	103840	35.764	ug/l	98
20) Methylene Chloride	4.52	84	108639	42.814	ug/l	99
25) 2-Butanone	6.80	43	113214	67.826	ug/l	100
44) Trichloroethene	8.82	130	3561	1.391	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	48996	14.364	ug/l	99
52) Toluene	10.14	92	621173	101.292	ug/l	100
67) Ethyl Benzene	11.50	91	43379	3.621	ug/l	99
68) m/p-Xylenes	11.61	106	90761	20.389	ug/l	100
69) o-Xylene	11.94	106	45686	10.751	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	6649	0.693	ug/l	97
95) Naphthalene	15.13	128	8627	1.006	ug/l #	80

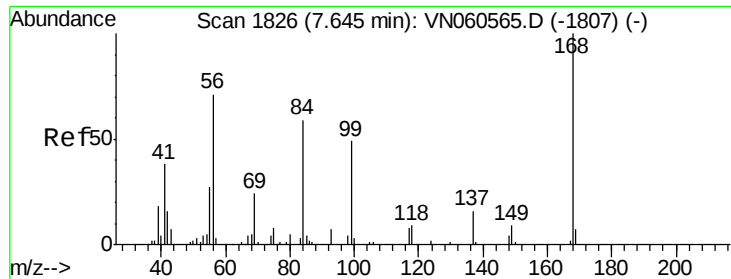
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060601.D

Acq: 18 Mar 2020 18:42

Instrument :

MSVOA_N

ClientSampleId :

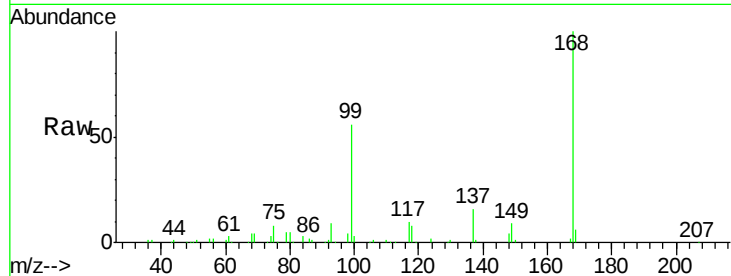
COMP

Tot Ion:168 Resp: 212131

Ion Ratio Lower Upper

168 100

99 55.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

60000

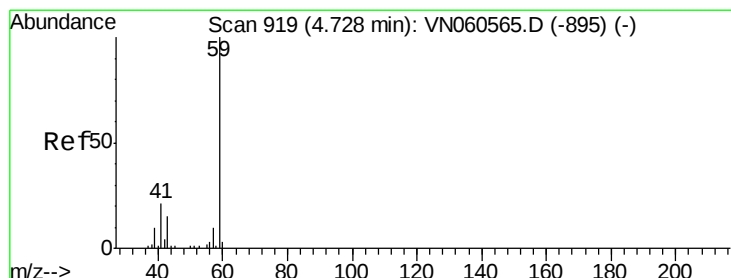
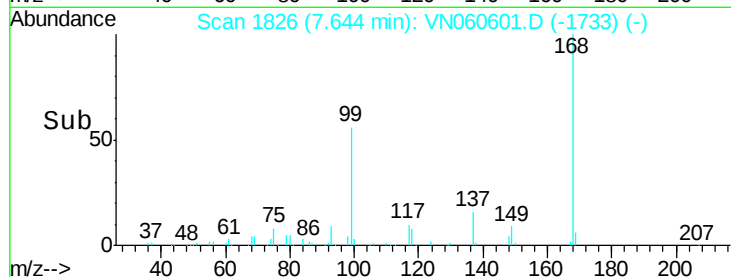
40000

20000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 31.494 ug/l

RT: 4.73 min Scan# 920

Delta R.T. 0.00 min

Lab File: VN060601.D

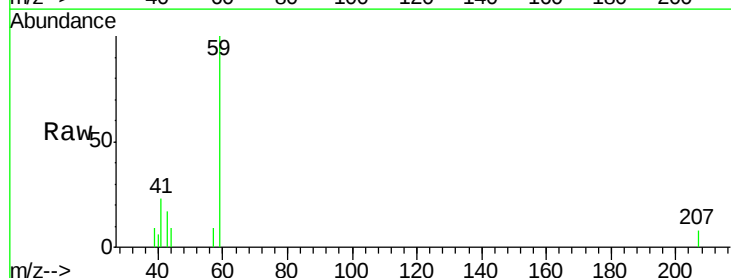
Acq: 18 Mar 2020 18:42

Tgt Ion: 59 Resp: 13488

Ion Ratio Lower Upper

59 100

57 4.8 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.73

4000

3000

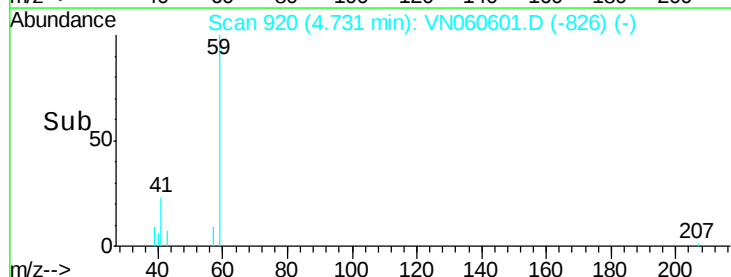
2000

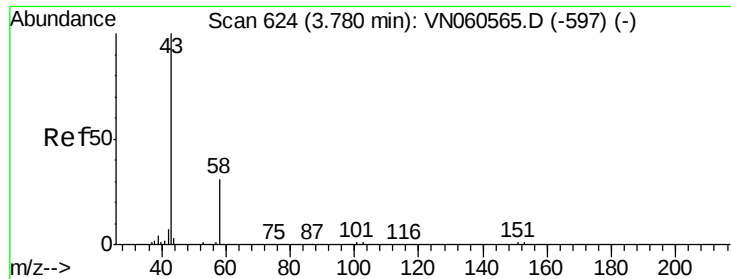
1000

0

4.65 4.70 4.75 4.80

Time-->

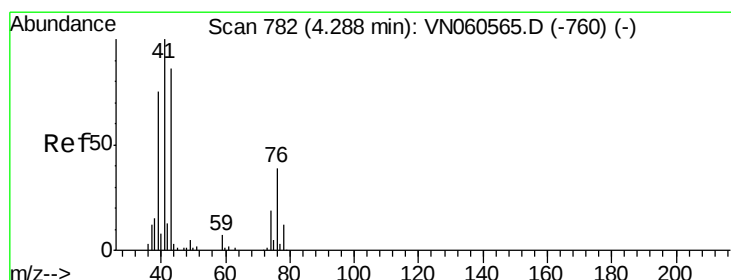
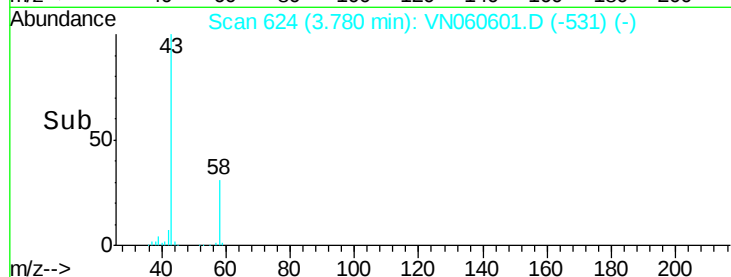
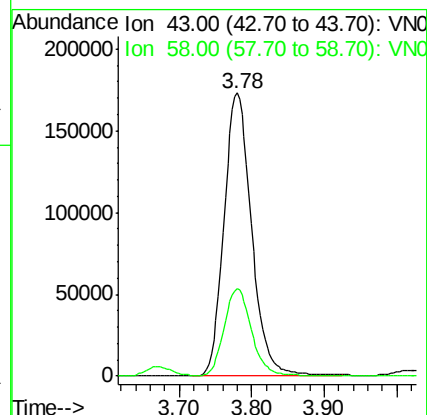
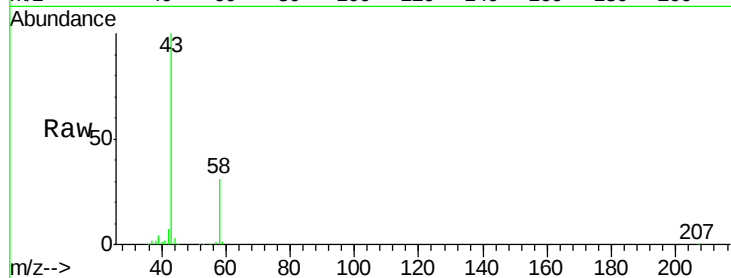




#16
Acetone
Concen: 443.957 ug/l
RT: 3.78 min Scan# 624
Delta R.T. -0.00 min
Lab File: VN060601.D
Acq: 18 Mar 2020 18:42

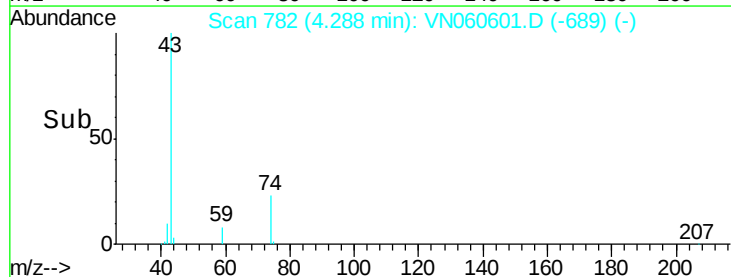
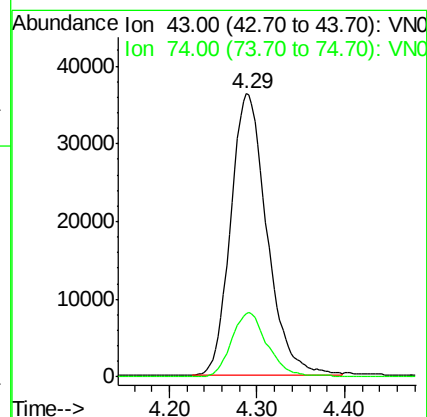
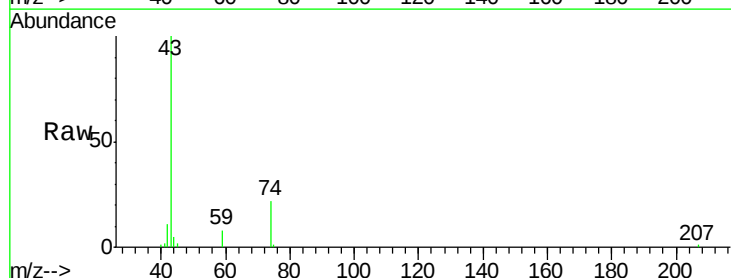
Instrument :
MSVOA_N
ClientSampled :
COMP

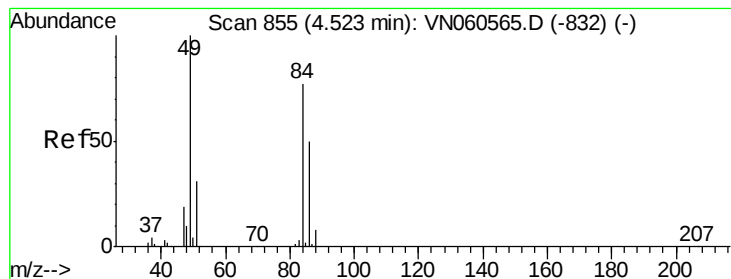
Tot Ion: 43 Resp: 457949
Ion Ratio Lower Upper
43 100
58 30.7 25.1 37.7



#18
Methyl Acetate
Concen: 35.764 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060601.D
Acq: 18 Mar 2020 18:42

Tgt Ion: 43 Resp: 103840
Ion Ratio Lower Upper
43 100
74 22.9 17.5 26.3





#20

Methvlene Chloride

Concen: 42.814 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN060601.D

Acq: 18 Mar 2020 18:42

Instrument :

MSVOA_N

ClientSampleId :

COMP

Tot Ion: 84 Resp: 108639

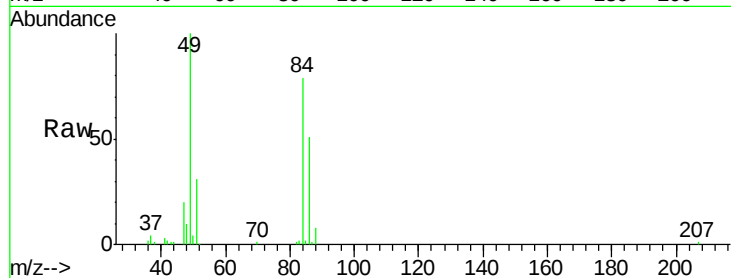
Ion Ratio Lower Upper

84 100

49 126.8 103.3 154.9

51 39.3 31.6 47.4

86 64.1 52.0 78.0

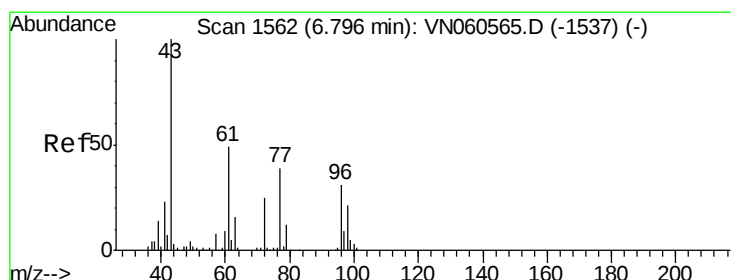
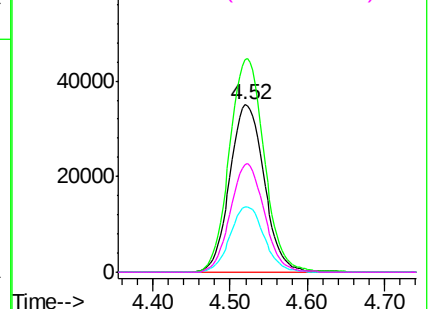
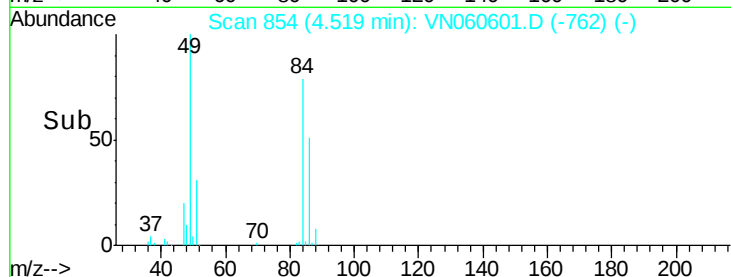


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 67.826 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060601.D

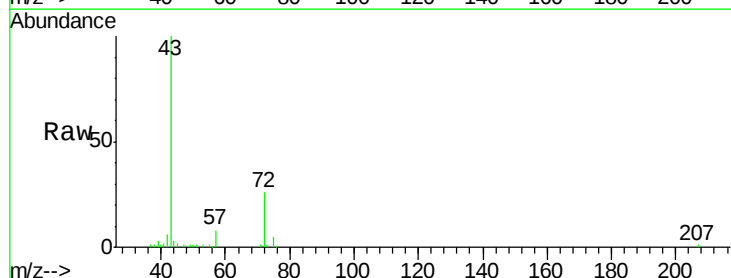
Acq: 18 Mar 2020 18:42

Tgt Ion: 43 Resp: 113214

Ion Ratio Lower Upper

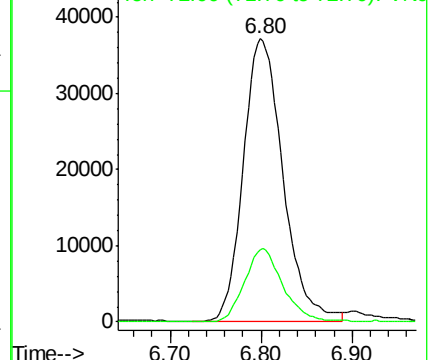
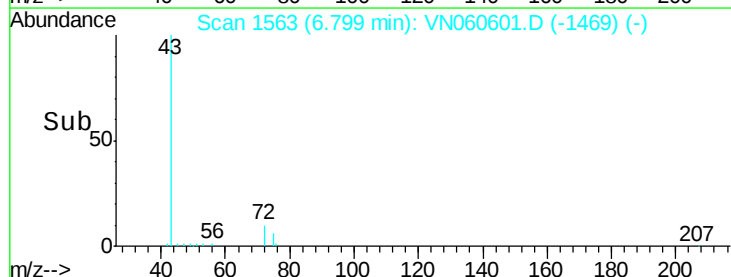
43 100

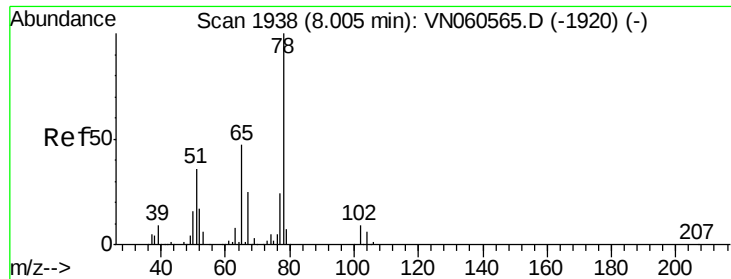
72 25.7 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

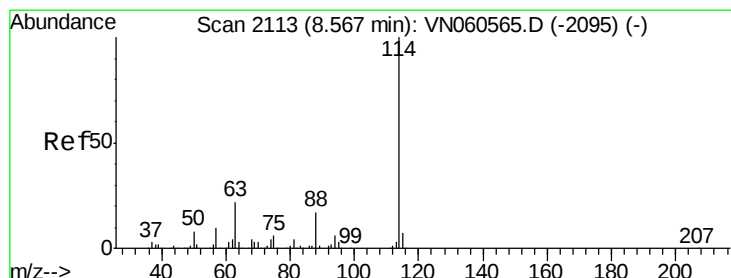
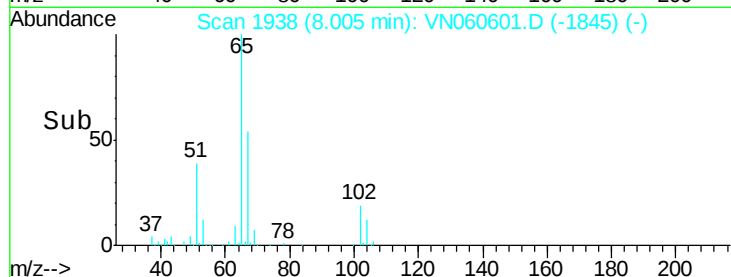
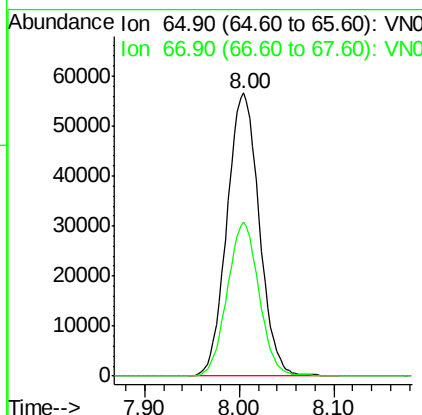
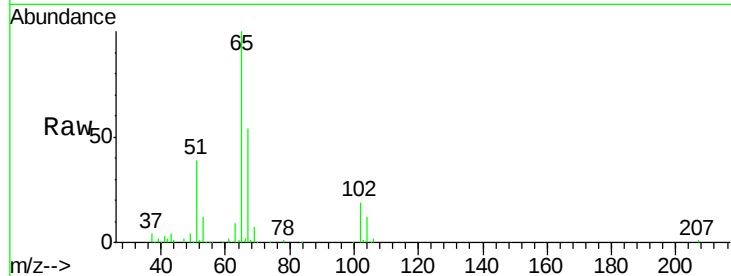




#33
 1,2-Dichloroethane-d4
 Concen: 46.110 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060601.D
 Acq: 18 Mar 2020 18:42

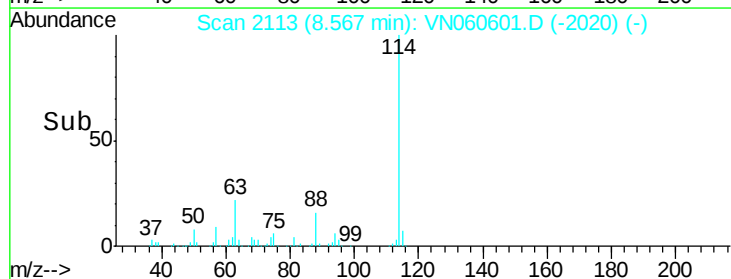
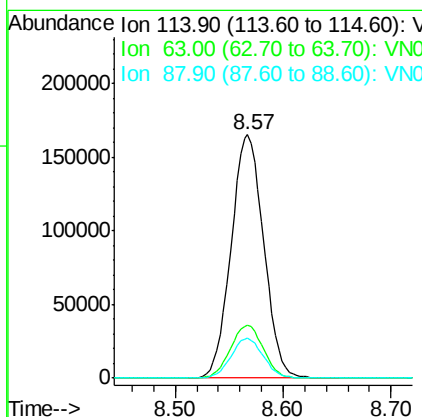
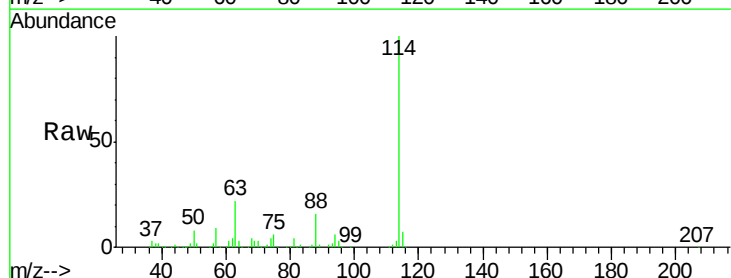
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP

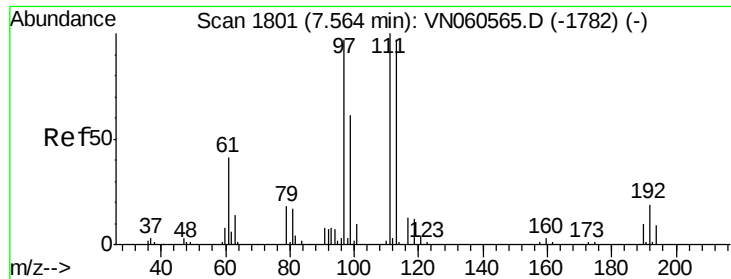
Tot Ion: 65 Resp: 134277
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060601.D
 Acq: 18 Mar 2020 18:42

Tgt Ion: 114 Resp: 347381
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.8
 88 16.4 0.0 33.0

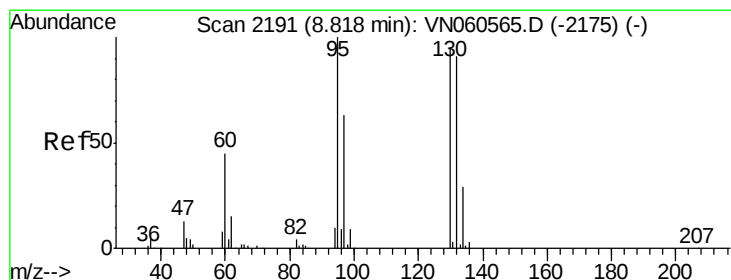
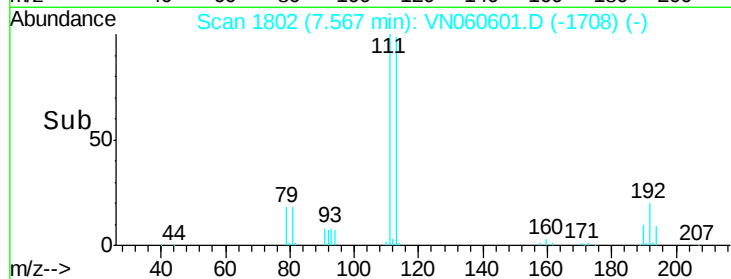
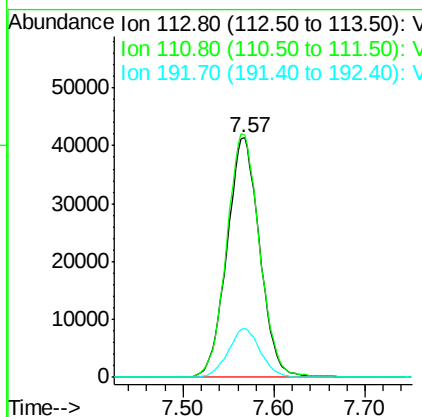
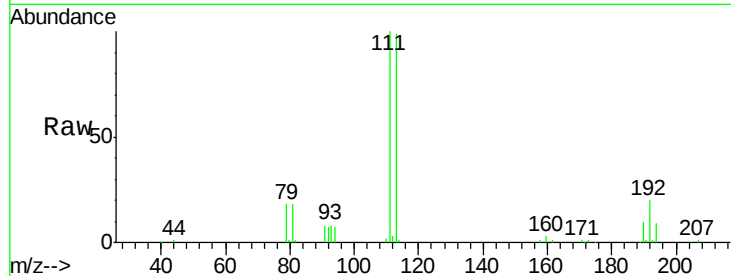




#35
 Dibromofluoromethane
 Concen: 49.144 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060601.D
 Acq: 18 Mar 2020 18:42

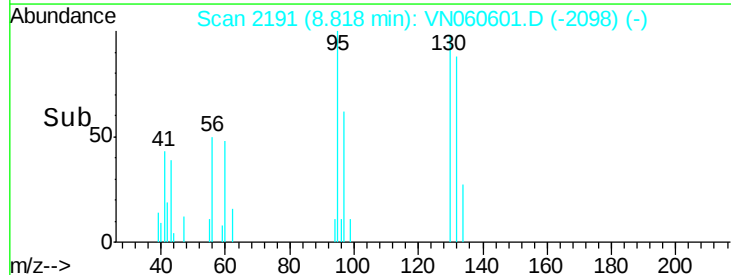
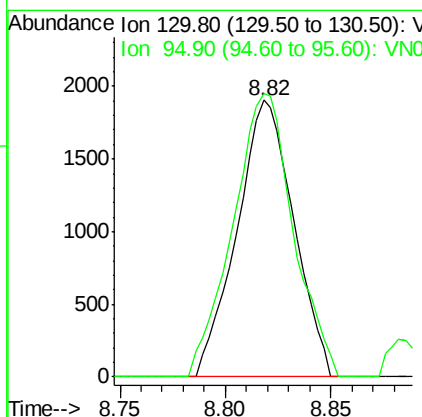
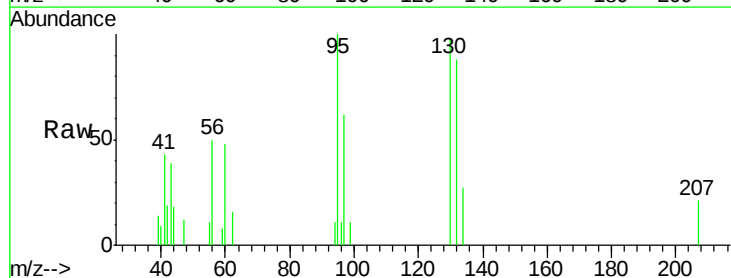
Instrument :
 MSVOA_N
 ClientSampled :
 COMP

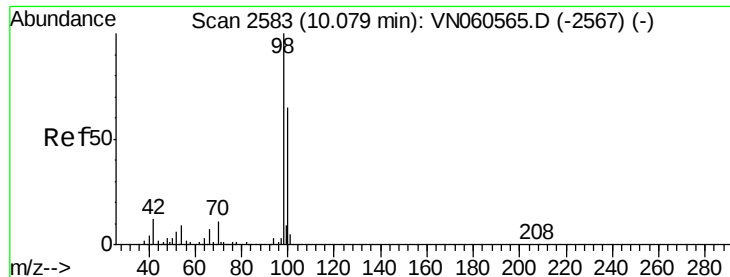
Tot Ion:113 Resp: 103227
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.9 124.3
 192 19.9 15.8 23.8



#44
 Trichloroethene
 Concen: 1.391 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: VN060601.D
 Acq: 18 Mar 2020 18:42

Tgt Ion:130 Resp: 3561
 Ion Ratio Lower Upper
 130 100
 95 102.2 0.0 211.2





#50

Toluene-d8

Concen: 50.011 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060601.D

Acq: 18 Mar 2020 18:42

Instrument :

MSVOA_N

ClientSampled :

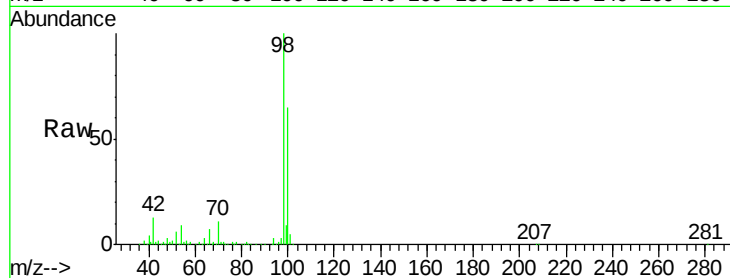
COMP

Tot Ion: 98 Resp: 429081

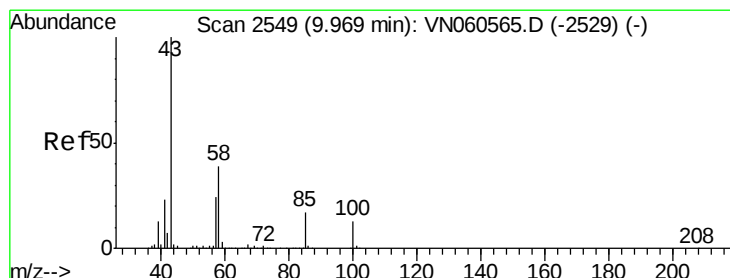
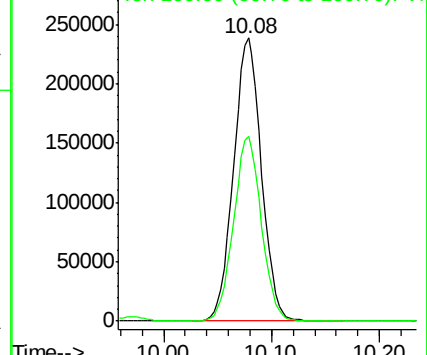
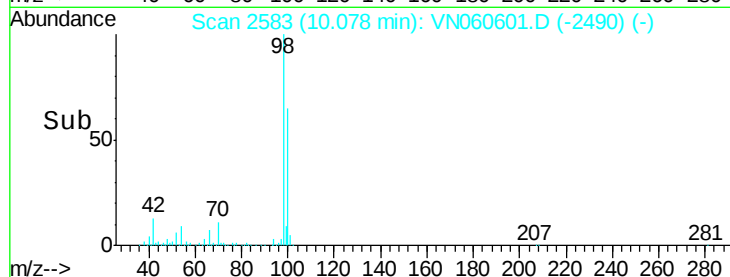
Ion Ratio Lower Upper

98 100

100 65.0 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060601.D (-2490) (-)



#51

4-Methyl-2-Pentanone

Concen: 14.364 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060601.D

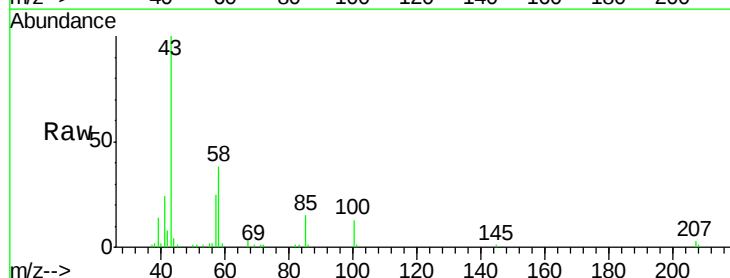
Acq: 18 Mar 2020 18:42

Tgt Ion: 43 Resp: 48996

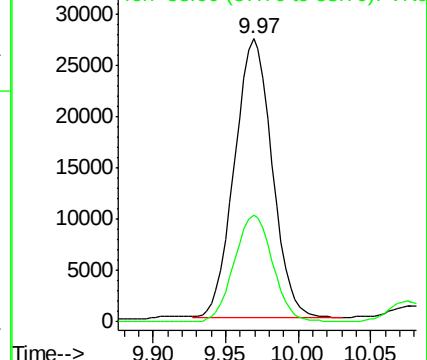
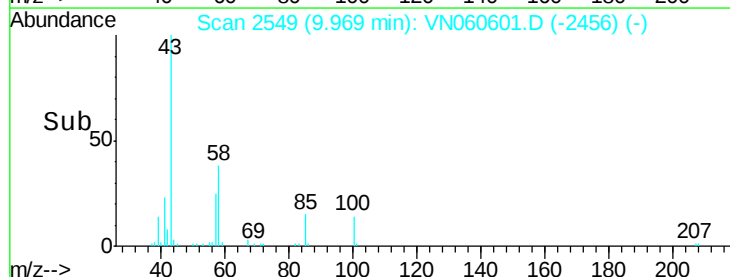
Ion Ratio Lower Upper

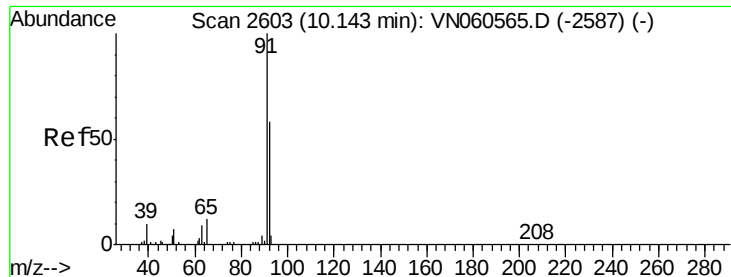
43 100

58 39.0 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060601.D (-2456) (-)





#52

Toluene

Concen: 101.292 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060601.D

Acq: 18 Mar 2020 18:42

Instrument :

MSVOA_N

ClientSampleId :

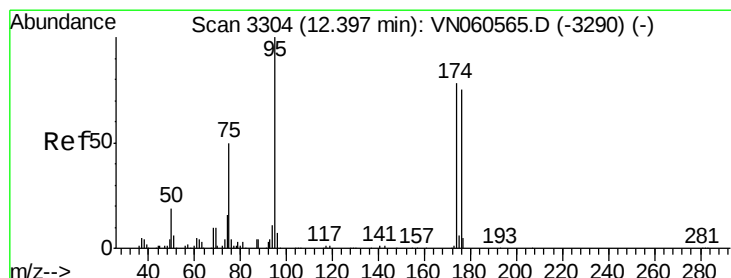
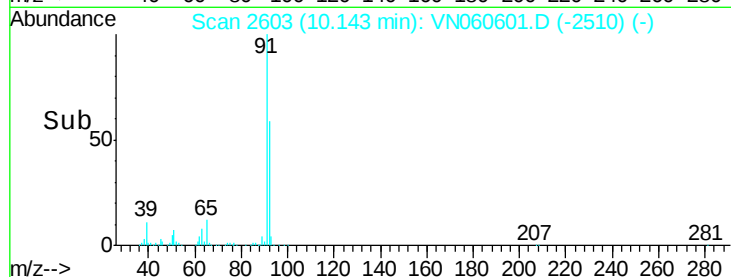
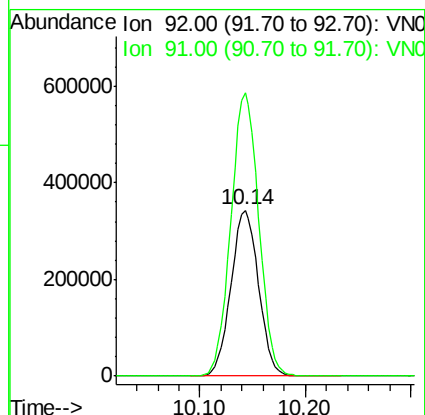
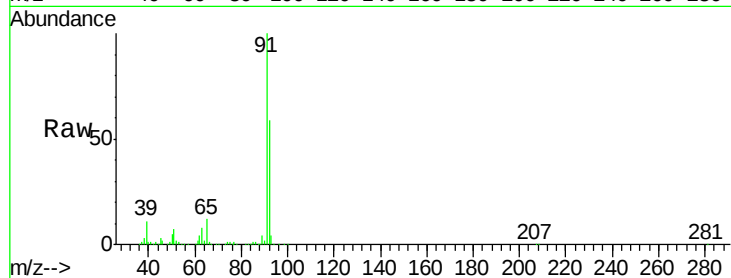
COMP

Tot Ion: 92 Resp: 621173

Ion Ratio Lower Upper

92 100

91 172.3 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 51.975 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060601.D

Acq: 18 Mar 2020 18:42

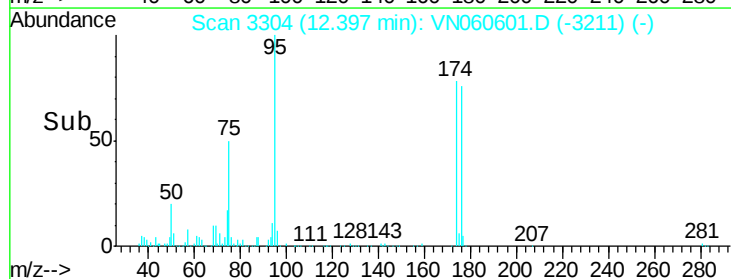
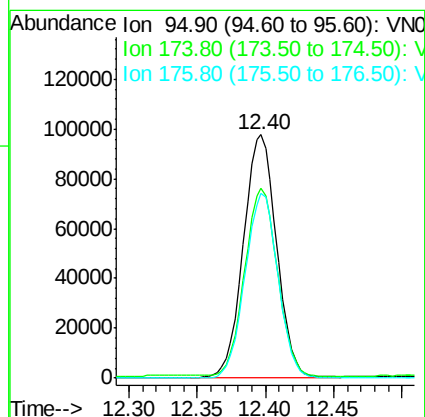
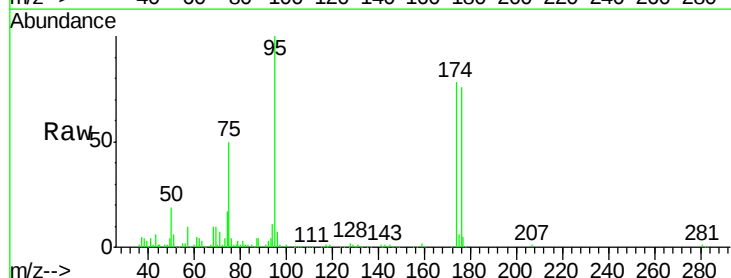
Tgt Ion: 95 Resp: 163428

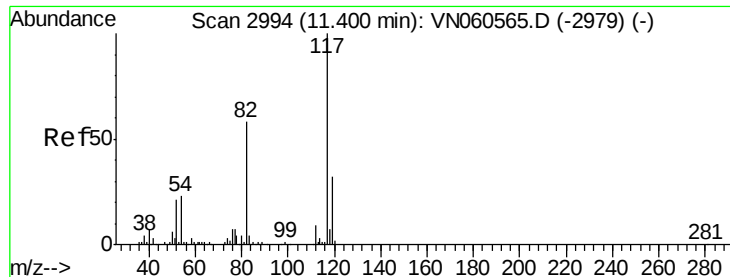
Ion Ratio Lower Upper

95 100

174 77.9 0.0 157.6

176 75.9 0.0 150.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060601.D

Acq: 18 Mar 2020 18:42

Instrument :

MSVOA_N

ClientSampled :

COMP

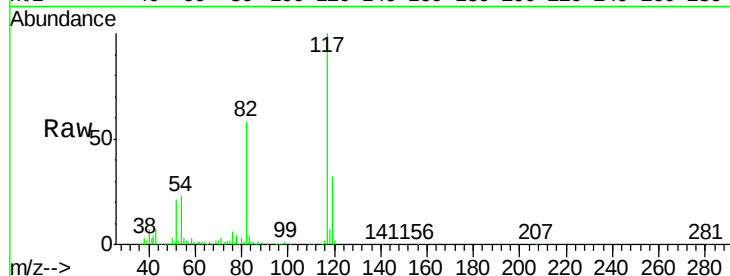
Tot Ion:117 Resp: 324938

Ion Ratio Lower Upper

117 100

82 58.1 46.7 70.1

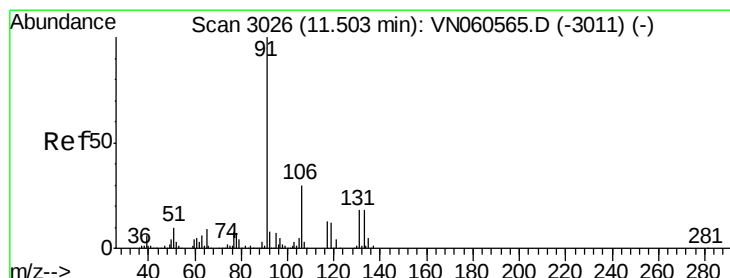
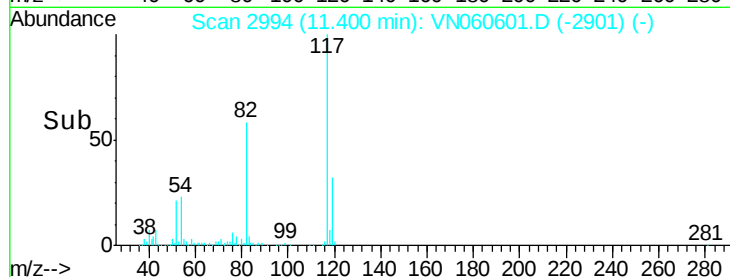
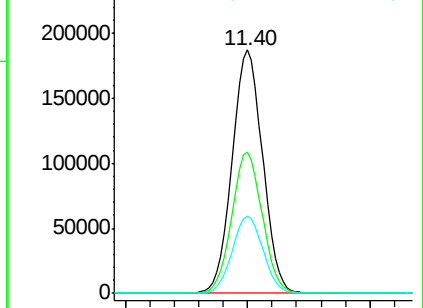
119 31.7 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 3.621 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060601.D

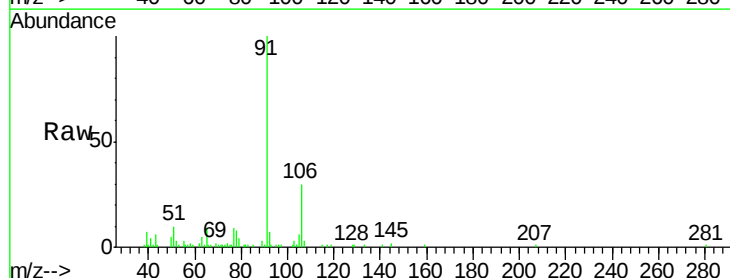
Acq: 18 Mar 2020 18:42

Tgt Ion: 91 Resp: 43379

Ion Ratio Lower Upper

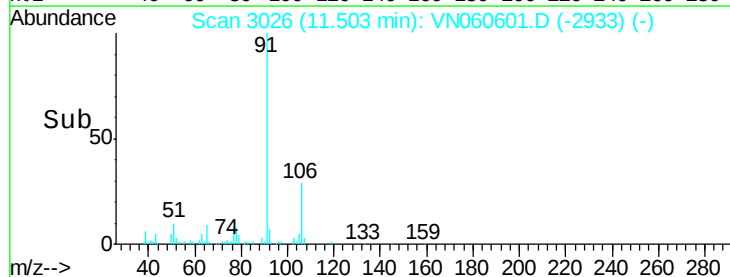
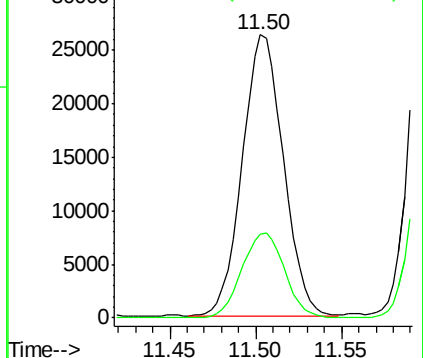
91 100

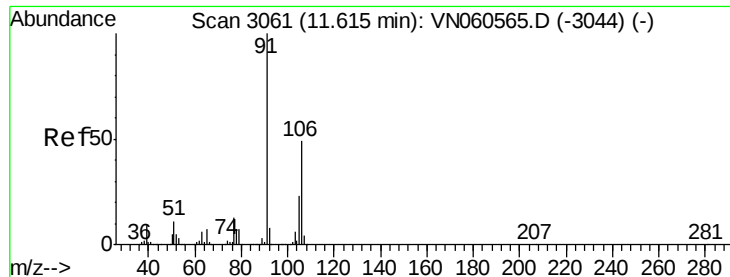
106 29.9 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

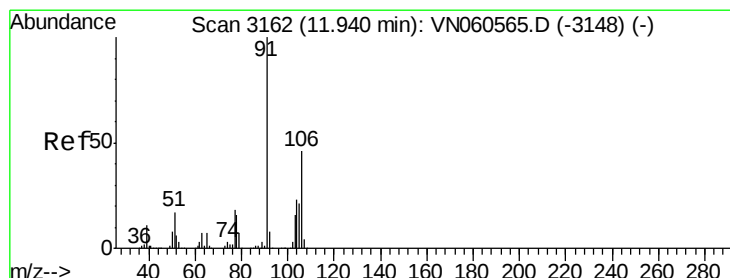
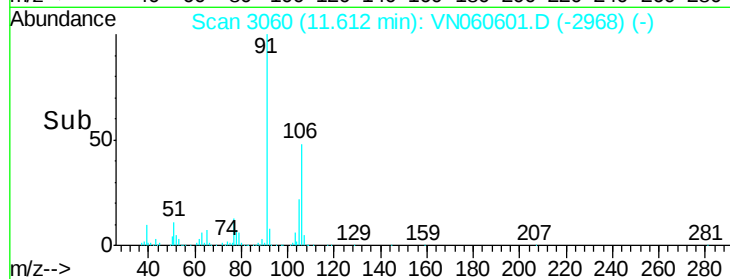
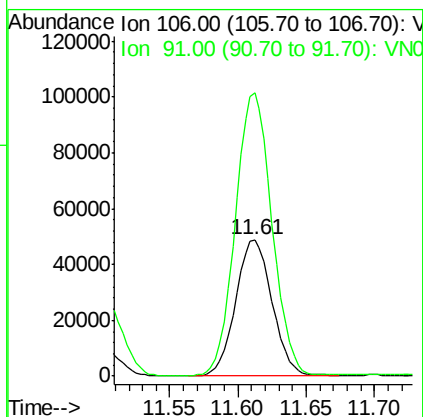
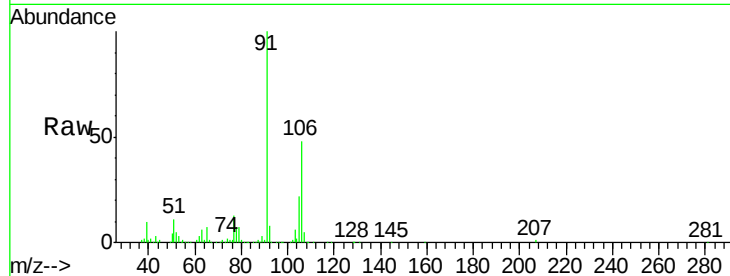




#68
m/p-Xylenes
Concen: 20.389 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060601.D
Acq: 18 Mar 2020 18:42

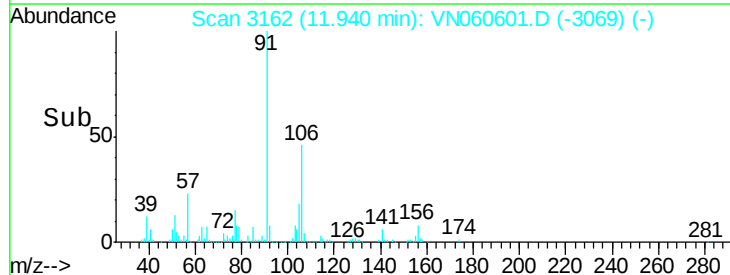
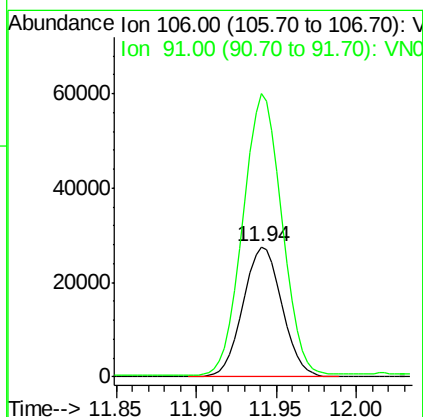
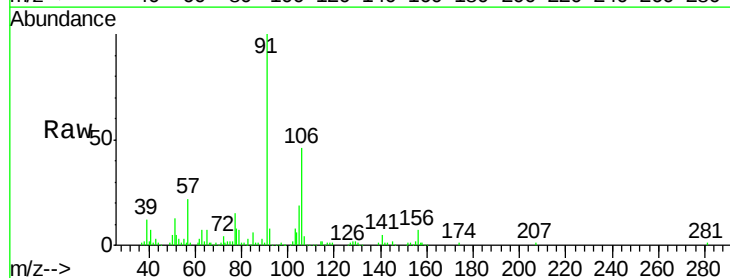
Instrument :
MSVOA_N
ClientSampleId :
COMP

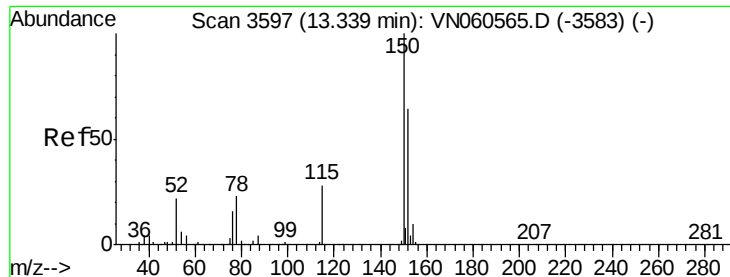
Tot Ion:106 Resp: 90761
Ion Ratio Lower Upper
106 100
91 206.6 165.0 247.4



#69
o-Xylene
Concen: 10.751 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060601.D
Acq: 18 Mar 2020 18:42

Tgt Ion:106 Resp: 45686
Ion Ratio Lower Upper
106 100
91 216.4 109.5 328.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060601.D

Acq: 18 Mar 2020 18:42

Instrument :

MSVOA_N

ClientSampleId :

COMP

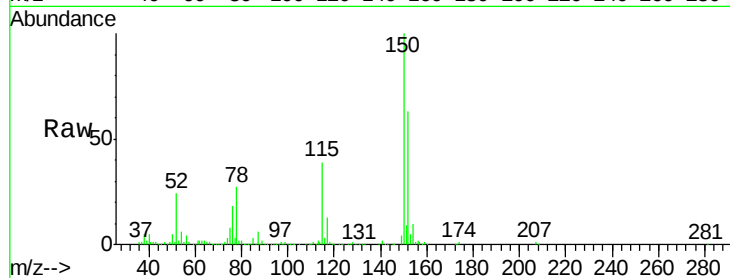
Tot Ion:152 Resp: 152292

Ion Ratio Lower Upper

152 100

115 62.2 30.2 90.6

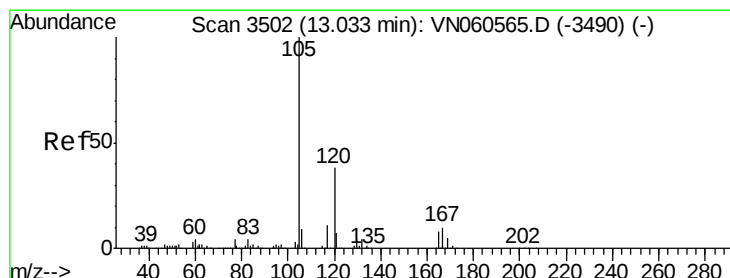
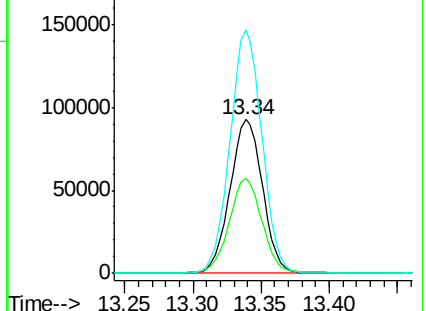
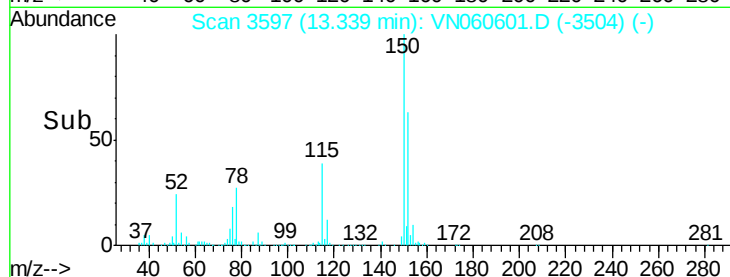
150 156.6 0.0 350.2



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: 0.693 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060601.D

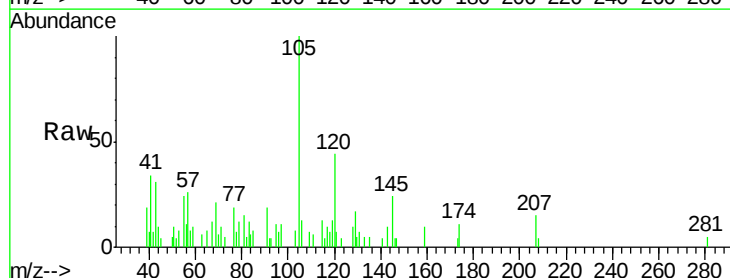
Acq: 18 Mar 2020 18:42

Tgt Ion:105 Resp: 6649

Ion Ratio Lower Upper

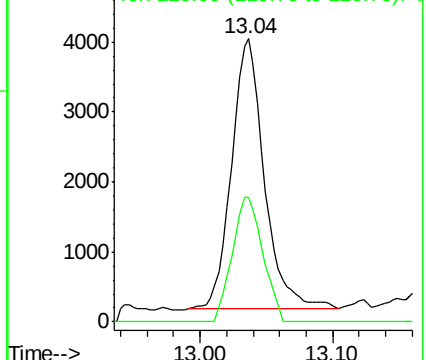
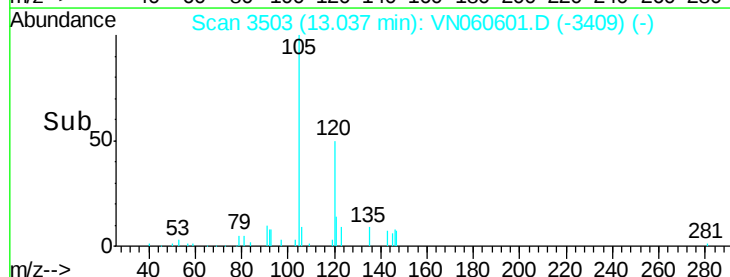
105 100

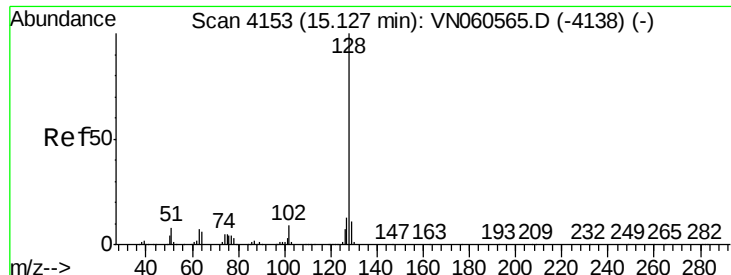
120 42.6 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 1.006 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060601.D

Acq: 18 Mar 2020 18:42

Instrument :

MSVOA_N

ClientSampleId :

COMP

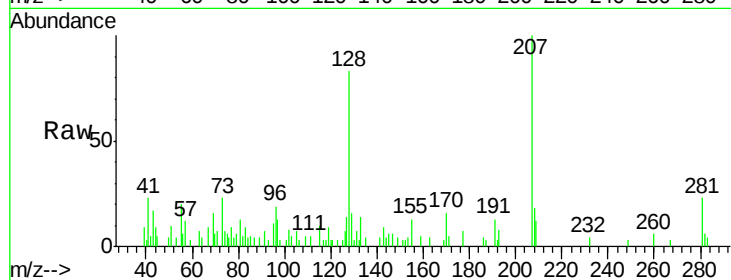
Tot Ion:128 Resp: 8627

Ion Ratio Lower Upper

128 100

127 19.8 10.2 15.2#

129 19.3 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

