

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060602.D
 Acq On : 18 Mar 2020 19:05
 Operator : JC/MD
 Sample : L1946-04DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPDL

Quant Time: Mar 19 07:38:19 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	205008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	341863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	316796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145207	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	130887	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
35) Dibromofluoromethane	7.56	113	101287	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
50) Toluene-d8	10.08	98	416995	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	12.40	95	156050	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	

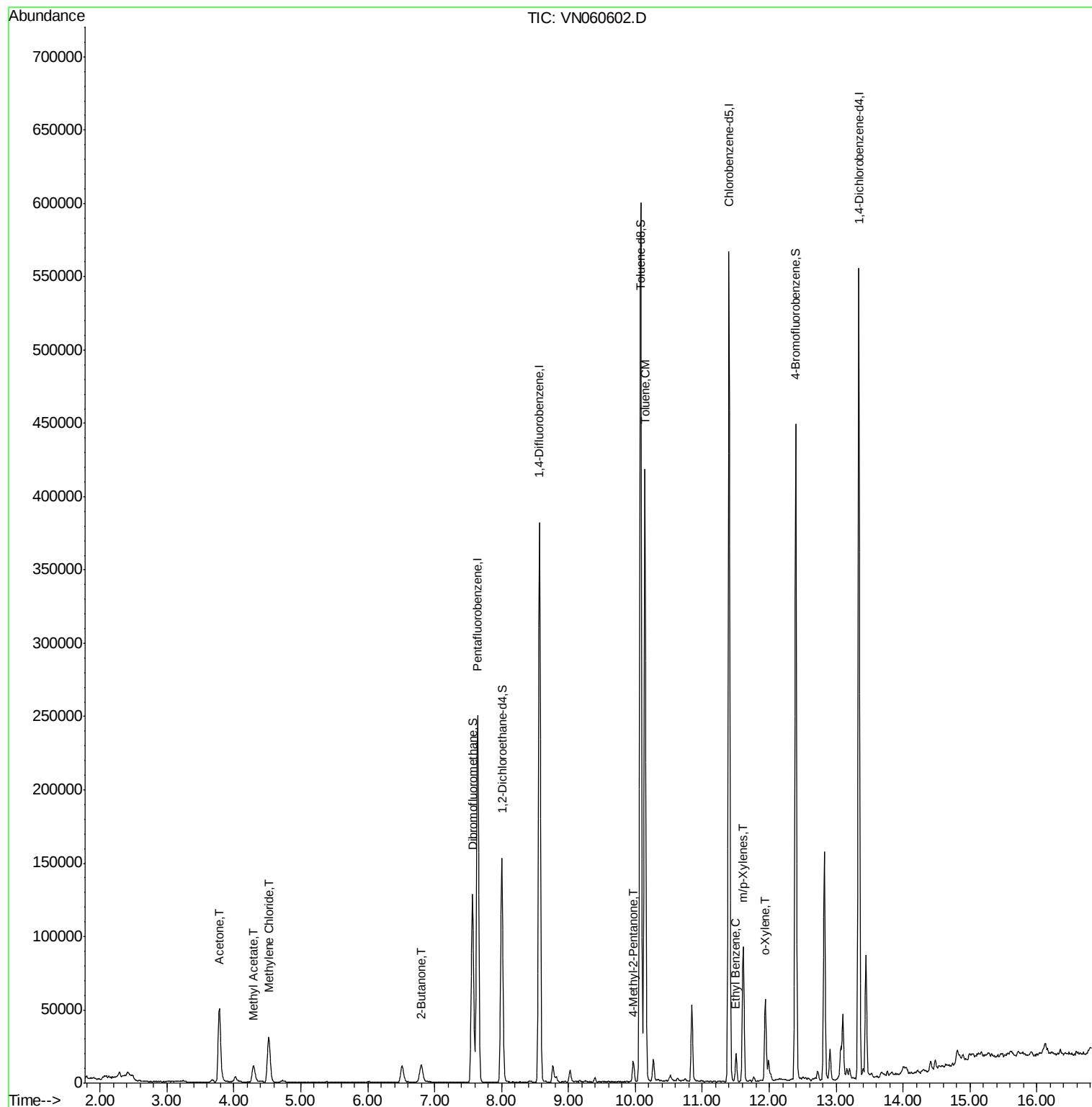
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	87766	88.041	ug/l	100
18) Methyl Acetate	4.29	43	23749	8.464	ug/l	99
20) Methylene Chloride	4.52	84	23071	9.408	ug/l	97
25) 2-Butanone	6.81	43	21188	13.135	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	10522	3.135	ug/l	97
52) Toluene	10.14	92	181366	30.052	ug/l	99
67) Ethyl Benzene	11.50	91	15129	1.295	ug/l	99
68) m/p-Xylenes	11.61	106	28733	6.621	ug/l	98
69) o-Xylene	11.94	106	12587	3.038	ug/l	92

(#) = 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: VN060602.D

Acq: 18 Mar 2020 19:05

Instrument :

MSVOA_N

ClientSampleId :

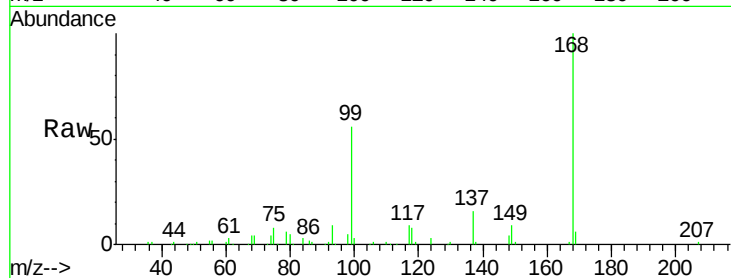
COMPDL

Tot Ion:168 Resp: 205008

Ion Ratio Lower Upper

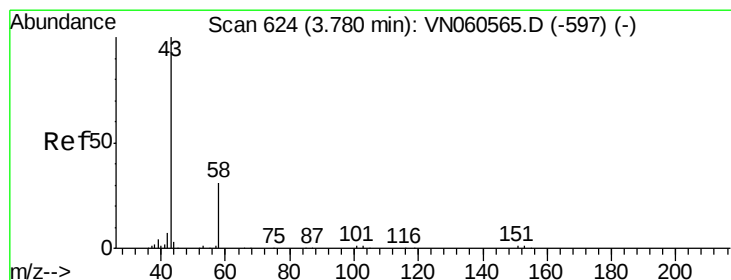
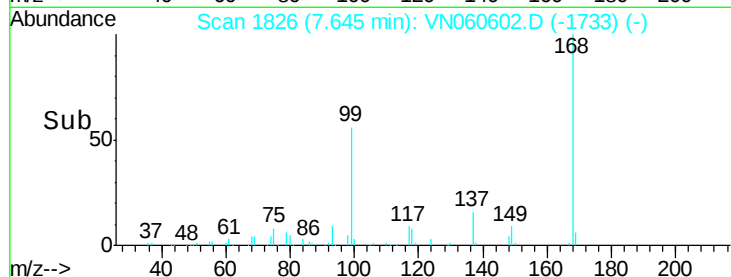
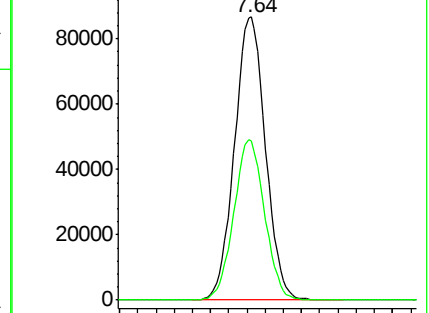
168 100

99 56.1 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 88.041 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060602.D

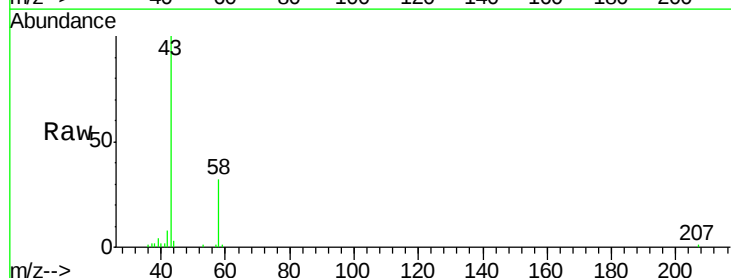
Acq: 18 Mar 2020 19:05

Tgt Ion: 43 Resp: 87766

Ion Ratio Lower Upper

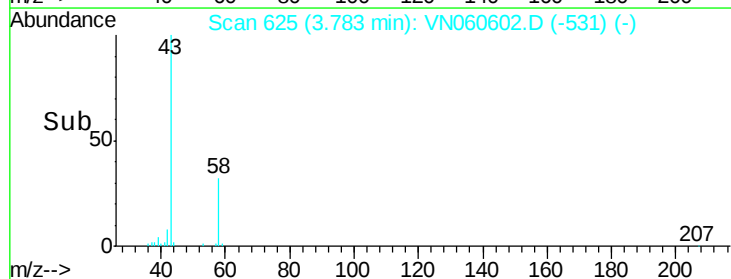
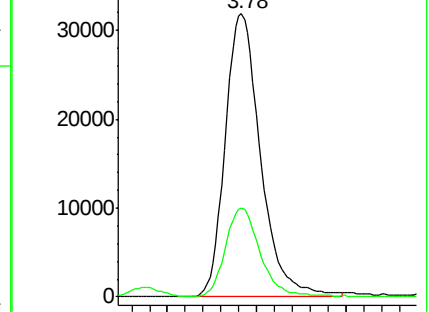
43 100

58 31.5 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

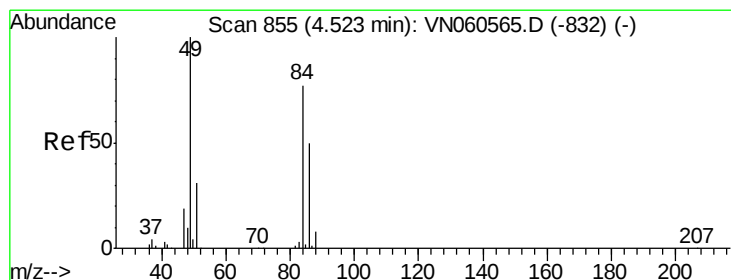
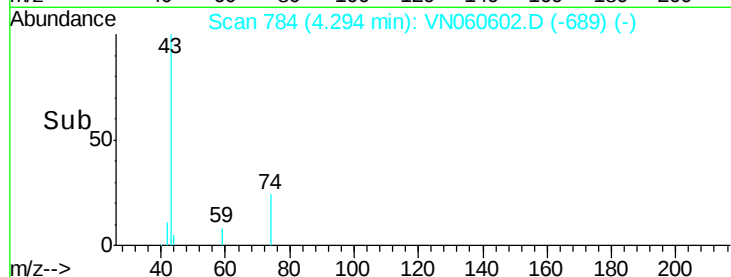
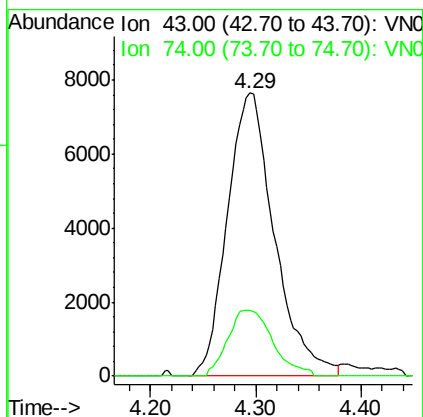
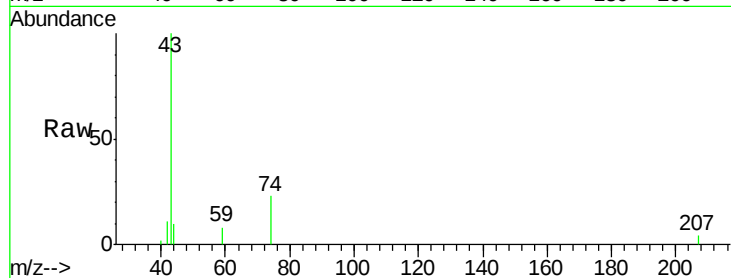




#18
Methyl Acetate
Concen: 8.464 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060602.D
Acq: 18 Mar 2020 19:05

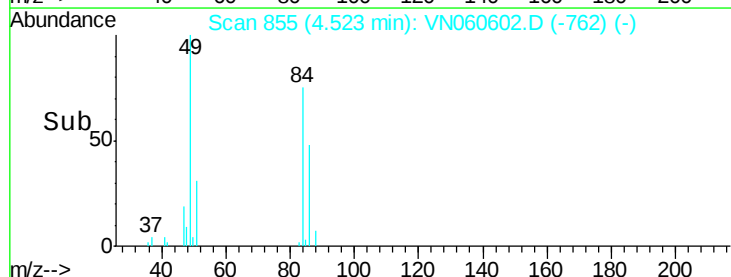
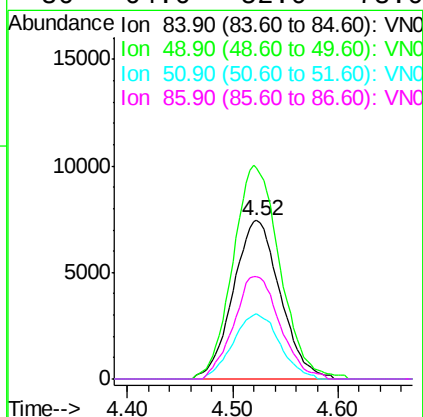
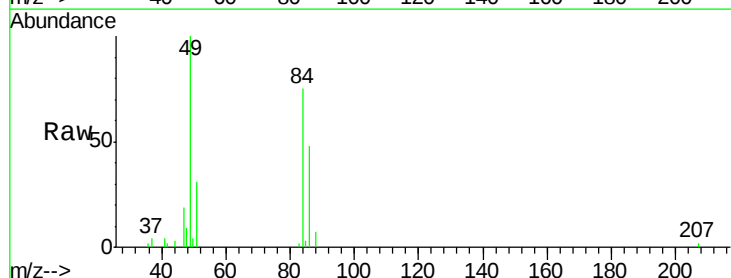
Instrument :
MSVOA_N
ClientSampled :
COMPDL

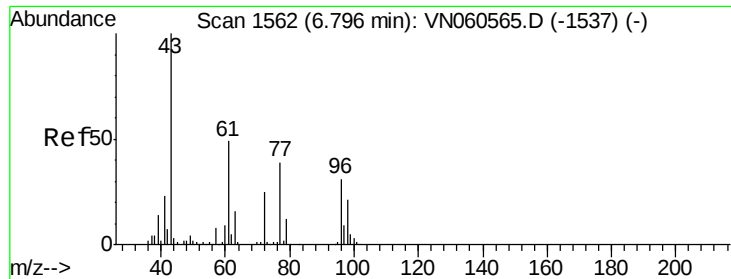
Tot Ion: 43 Resp: 23749
Ion Ratio Lower Upper
43 100
74 22.3 17.5 26.3



#20
Methylene Chloride
Concen: 9.408 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060602.D
Acq: 18 Mar 2020 19:05

Tgt Ion: 84 Resp: 23071
Ion Ratio Lower Upper
84 100
49 133.3 103.3 154.9
51 40.9 31.6 47.4
86 64.6 52.0 78.0





#25

2-Butanone

Concen: 13.135 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN060602.D

Acq: 18 Mar 2020 19:05

Instrument :

MSVOA_N

ClientSampleId :

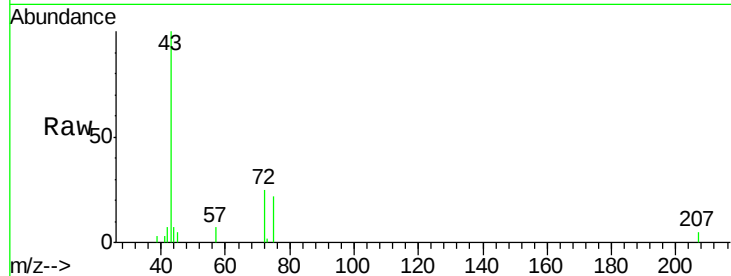
COMPDL

Tot Ion: 43 Resp: 21188

Ion Ratio Lower Upper

43 100

72 24.6 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1537) (-)

Ion 72.00 (71.70 to 72.70): VN060565.D (-1537) (-)

6.81

8000

6000

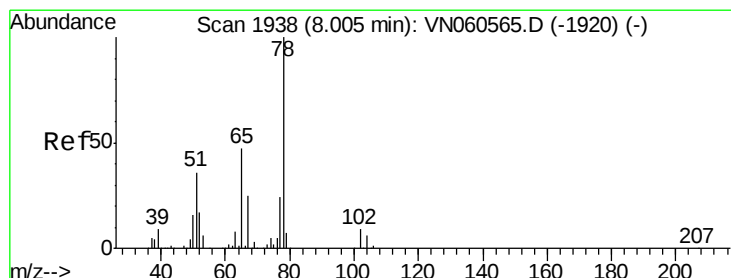
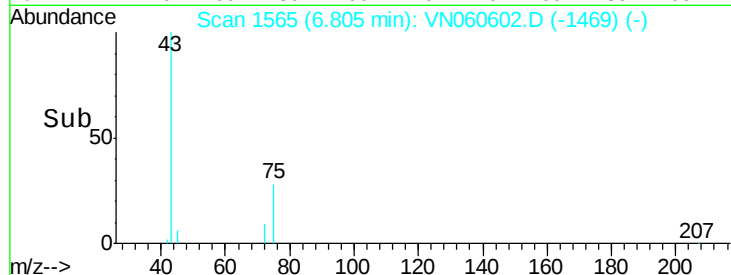
4000

2000

0

Time-->

6.70 6.80 6.90



#33

1,2-Dichloroethane-d4

Concen: 46.508 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060602.D

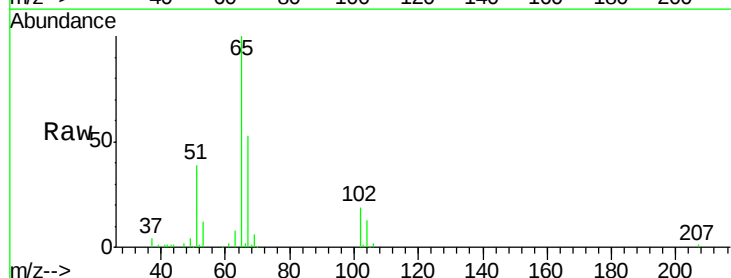
Acq: 18 Mar 2020 19:05

Tgt Ion: 65 Resp: 130887

Ion Ratio Lower Upper

65 100

67 53.7 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN060565.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060565.D (-1920) (-)

8.00

60000

50000

40000

30000

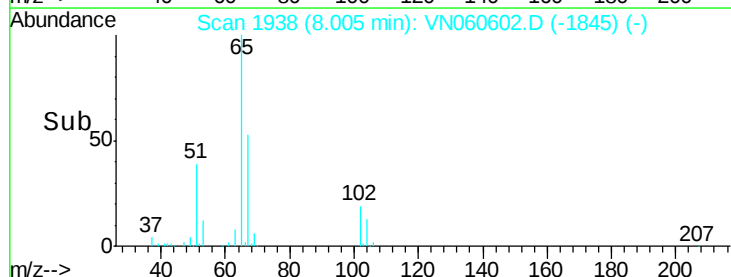
20000

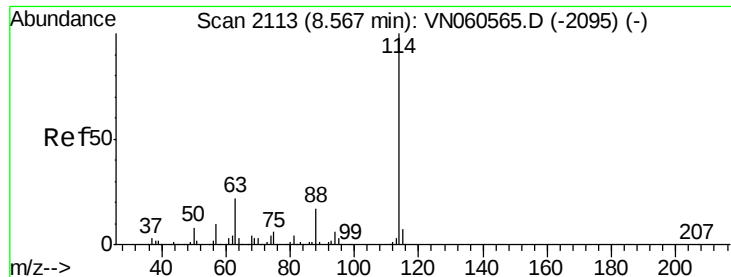
10000

0

Time-->

7.90 8.00 8.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060602.D

Acq: 18 Mar 2020 19:05

Instrument :

MSVOA_N

ClientSampleId :

COMPDL

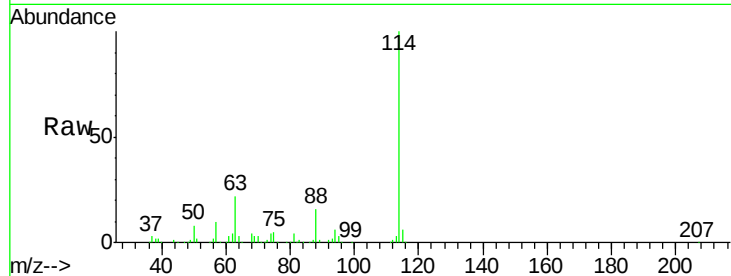
Tot Ion:114 Resp: 341863

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.8

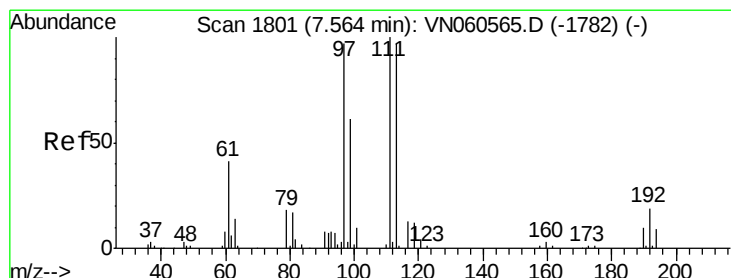
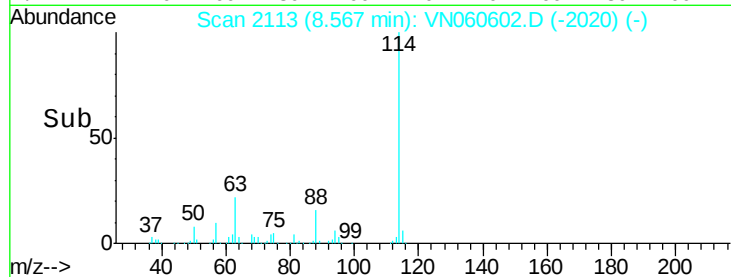
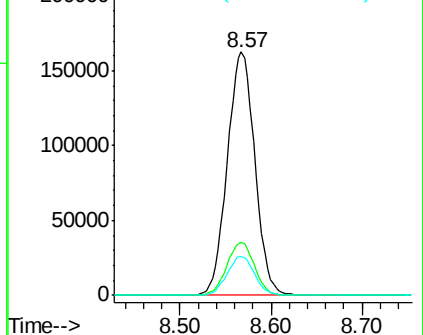
88 16.1 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.999 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060602.D

Acq: 18 Mar 2020 19:05

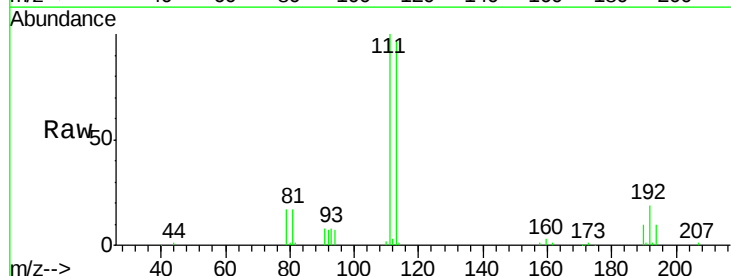
Tgt Ion:113 Resp: 101287

Ion Ratio Lower Upper

113 100

111 102.0 82.9 124.3

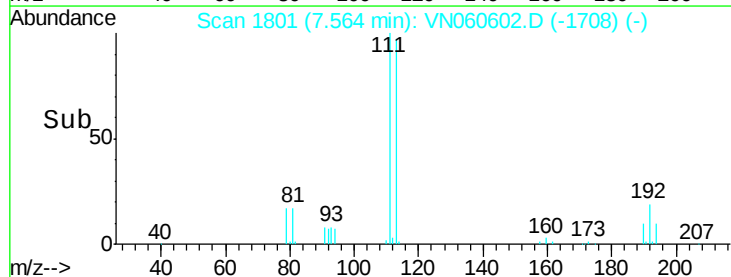
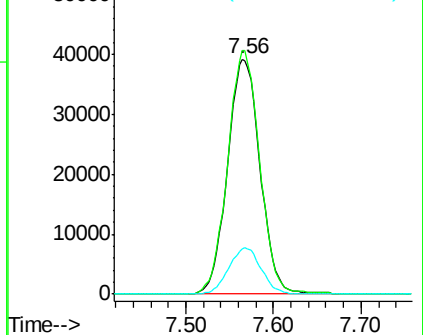
192 19.5 15.8 23.8

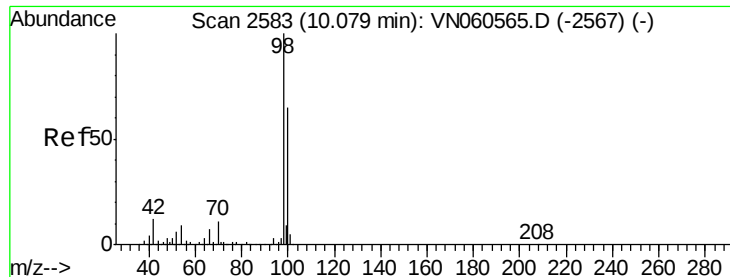


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.387 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060602.D

Acq: 18 Mar 2020 19:05

Instrument :

MSVOA_N

ClientSampleId :

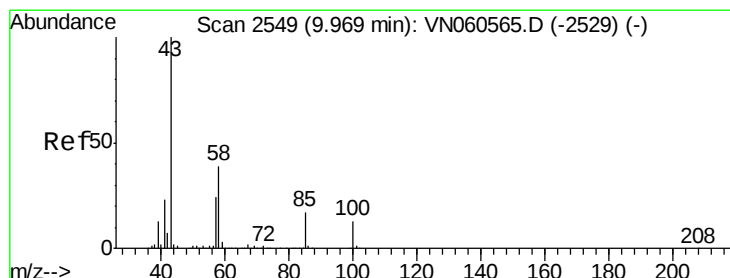
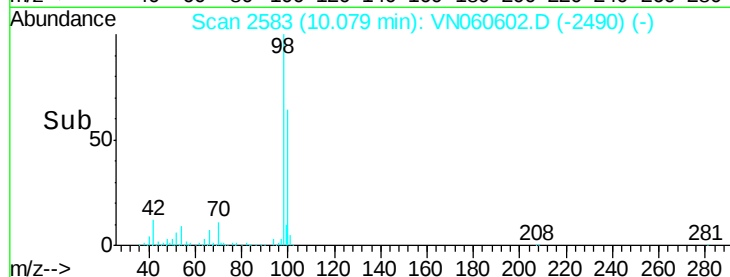
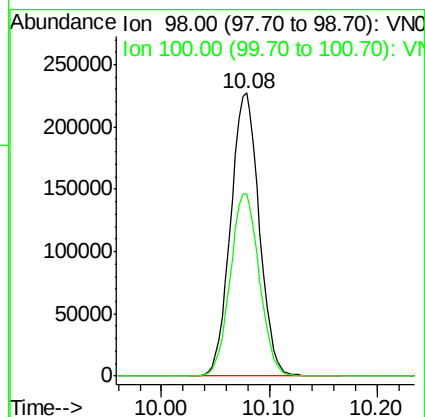
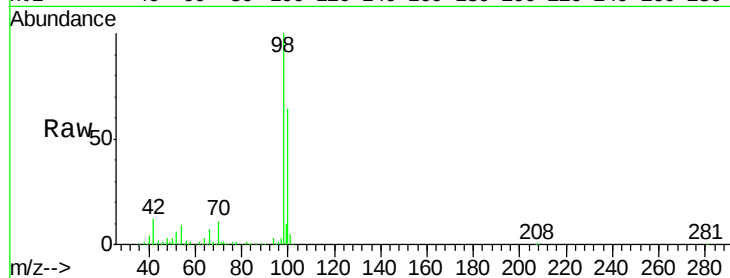
COMPDL

Tot Ion: 98 Resp: 416995

Ion Ratio Lower Upper

98 100

100 65.5 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 3.135 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060602.D

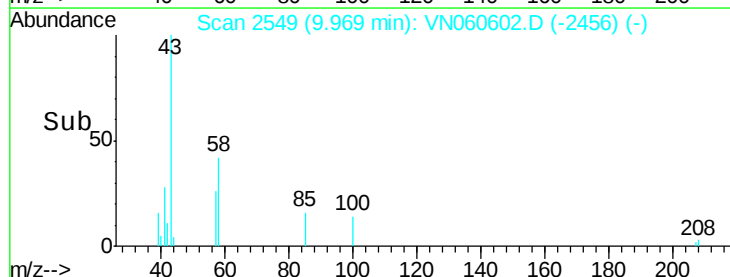
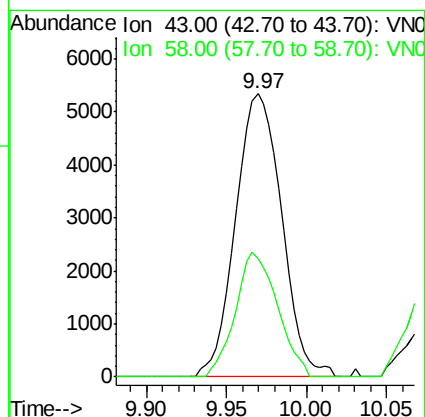
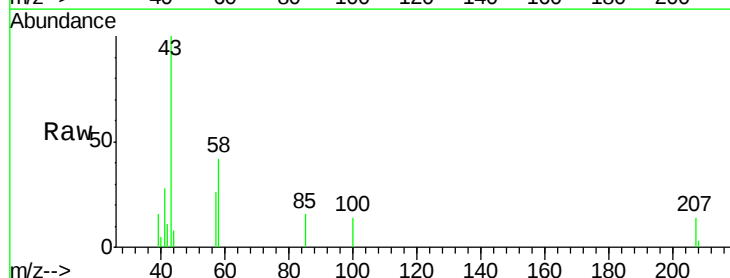
Acq: 18 Mar 2020 19:05

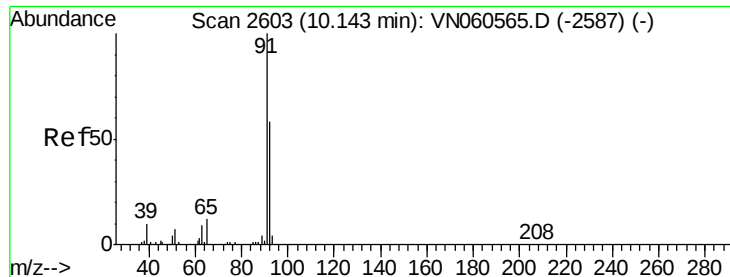
Tgt Ion: 43 Resp: 10522

Ion Ratio Lower Upper

43 100

58 40.0 30.8 46.2





#52

Toluene

Concen: 30.052 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060602.D

Acq: 18 Mar 2020 19:05

Instrument :

MSVOA_N

ClientSampleId :

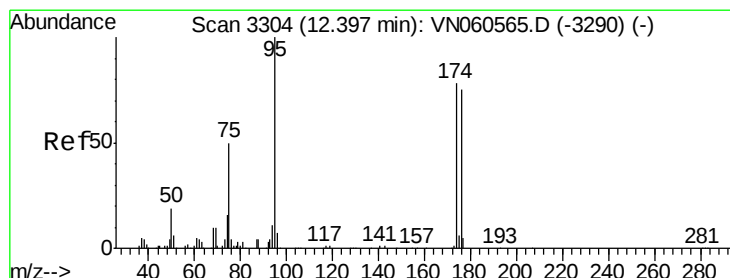
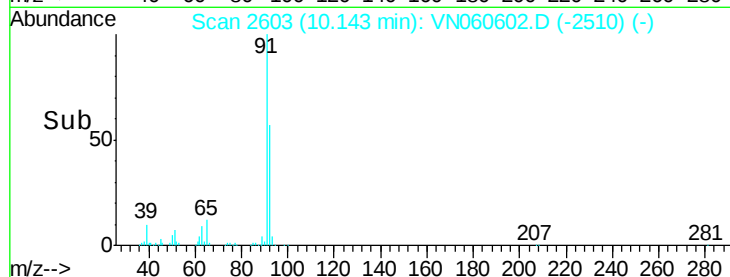
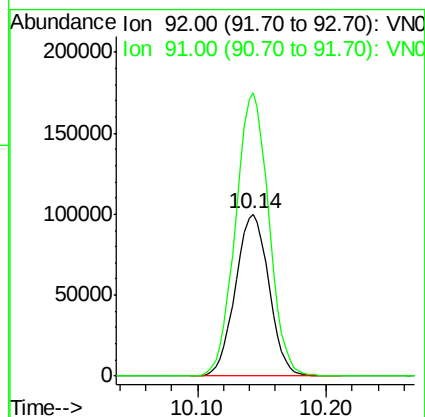
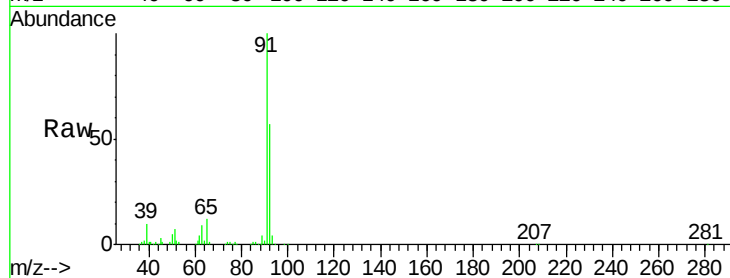
COMPDL

Tot Ion: 92 Resp: 181366

Ion Ratio Lower Upper

92 100

91 173.3 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 50.430 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060602.D

Acq: 18 Mar 2020 19:05

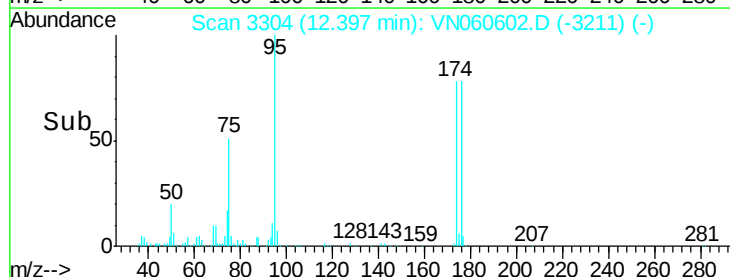
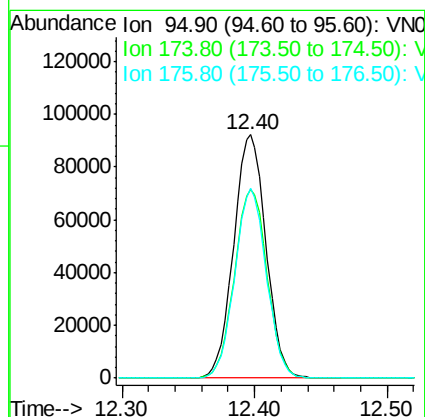
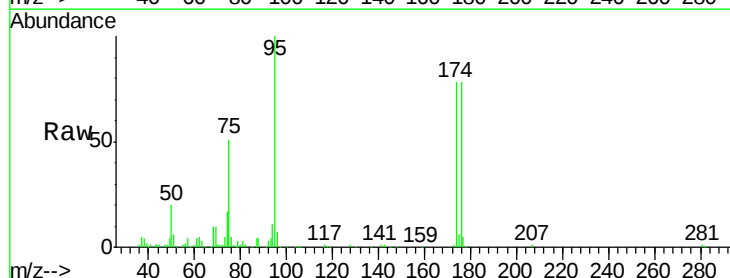
Tgt Ion: 95 Resp: 156050

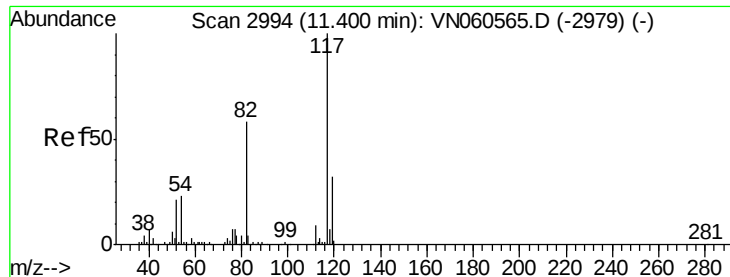
Ion Ratio Lower Upper

95 100

174 78.2 0.0 157.6

176 76.1 0.0 150.6

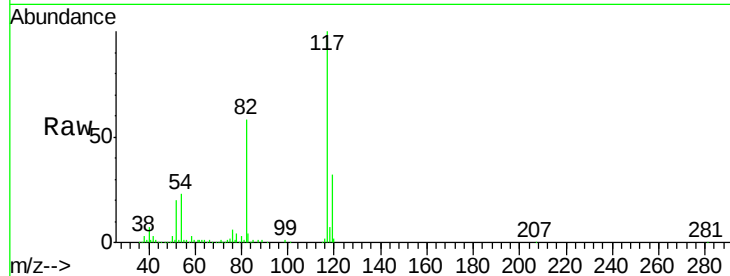




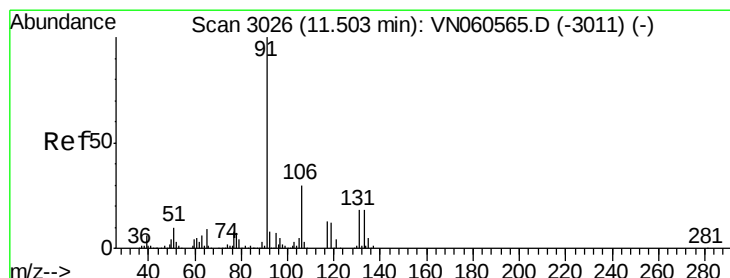
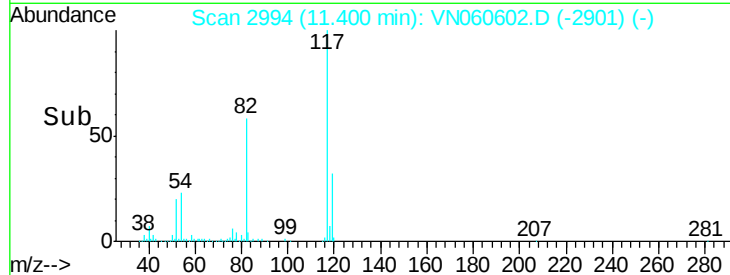
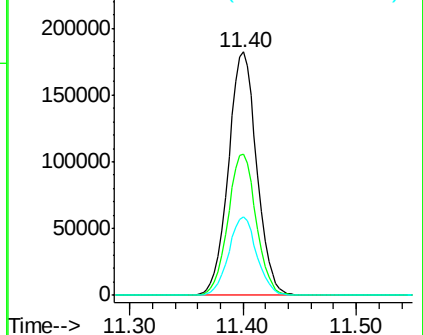
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060602.D
Acq: 18 Mar 2020 19:05

Instrument :
MSVOA_N
ClientSampleId :
COMPDL

Tot Ion:117 Resp: 316796
Ion Ratio Lower Upper
117 100
82 57.9 46.7 70.1
119 32.3 25.5 38.3

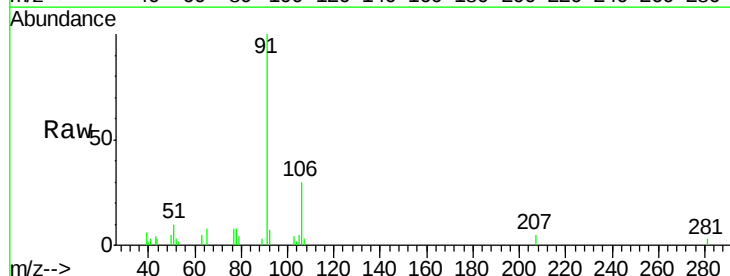


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

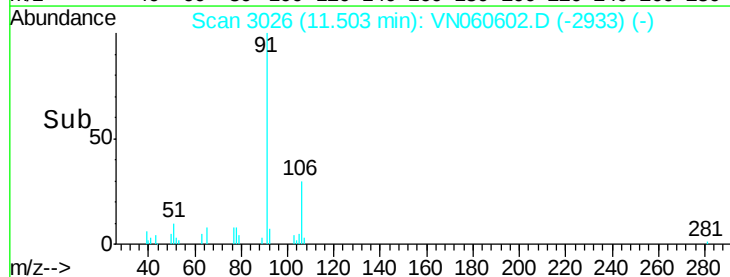
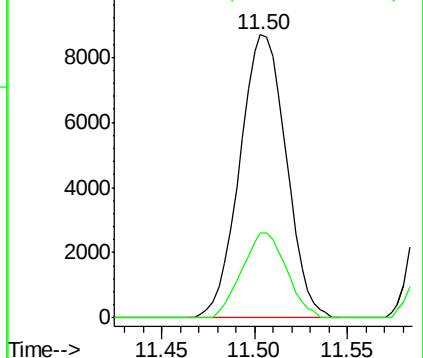


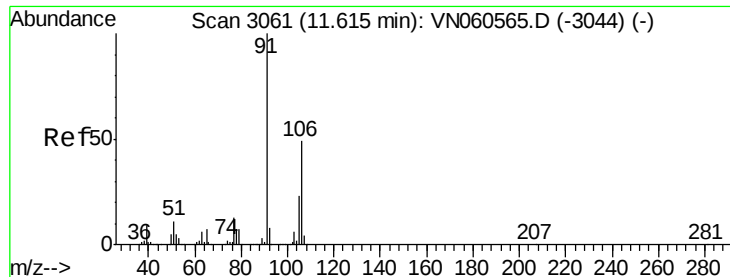
#67
Ethyl Benzene
Concen: 1.295 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060602.D
Acq: 18 Mar 2020 19:05

Tgt Ion: 91 Resp: 15129
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

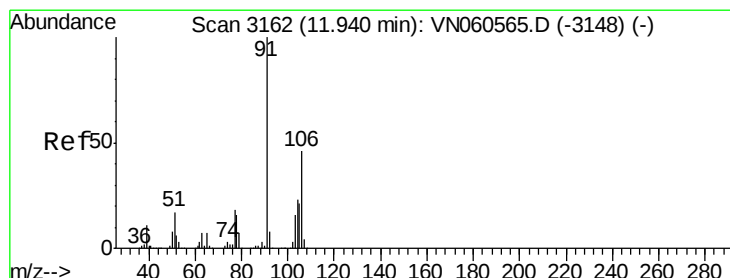
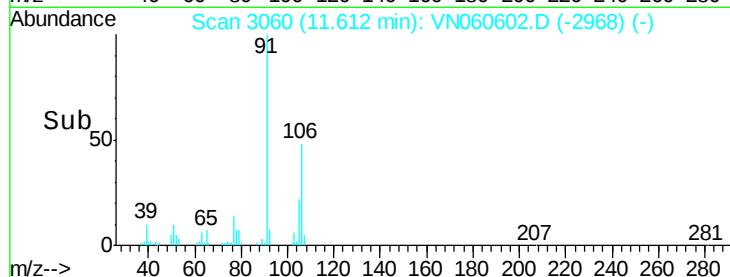
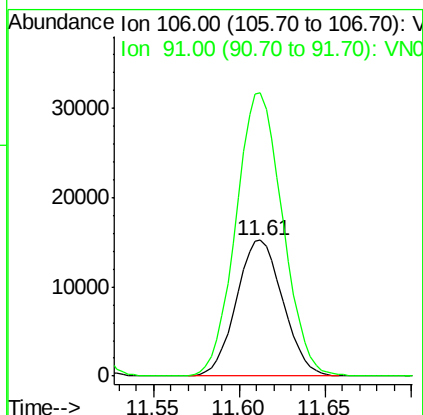
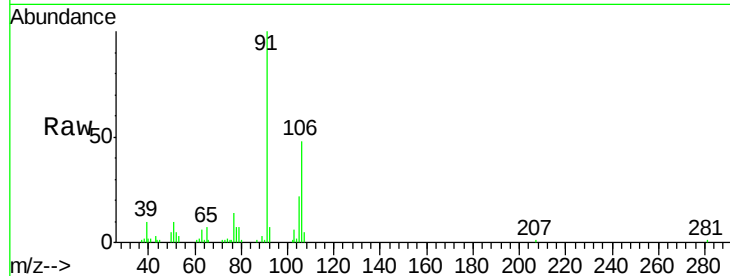




#68
m/p-Xylenes
Concen: 6.621 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060602.D
Acq: 18 Mar 2020 19:05

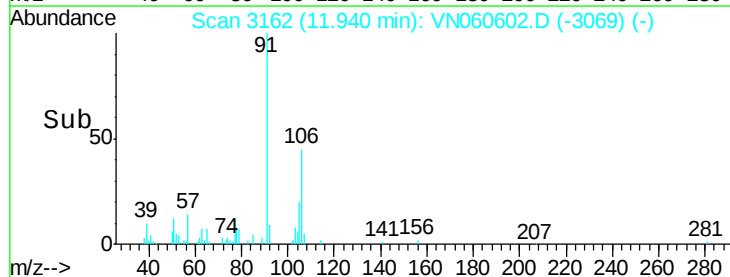
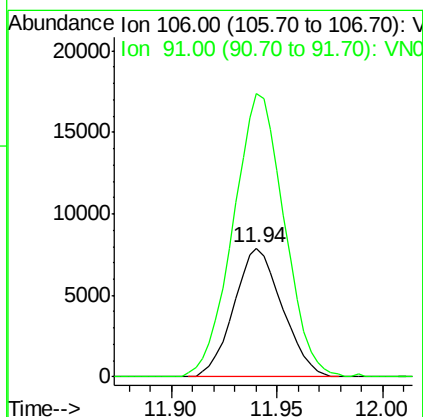
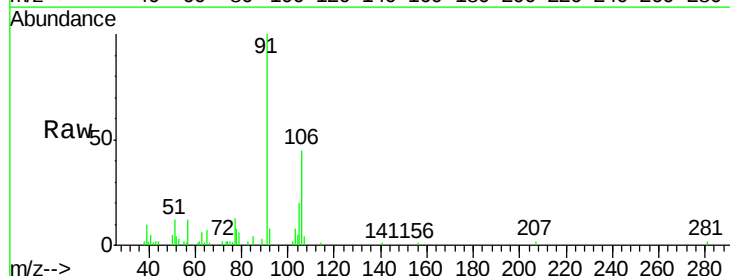
Instrument :
MSVOA_N
ClientSampled :
COMPDL

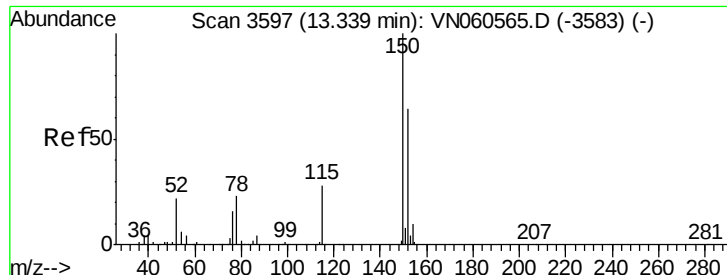
Tot Ion:106 Resp: 28733
Ion Ratio Lower Upper
106 100
91 208.7 165.0 247.4



#69
o-Xylene
Concen: 3.038 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060602.D
Acq: 18 Mar 2020 19:05

Tgt Ion:106 Resp: 12587
Ion Ratio Lower Upper
106 100
91 232.0 109.5 328.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060602.D

Acq: 18 Mar 2020 19:05

Instrument :

MSVOA_N

ClientSampleId :

COMPDL

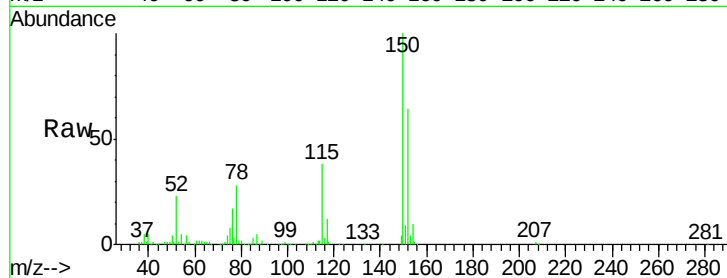
Tot Ion:152 Resp: 145207

Ion Ratio Lower Upper

152 100

115 60.3 30.2 90.6

150 157.5 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

