

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
 Data File : VN049614.D
 Acq On : 29 Jun 2018 2:34
 Operator : MD\SY
 Sample : J3242-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JC-02-062618-G

Quant Time: Jun 29 04:57:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1115329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1740474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1464682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	642562	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	723428	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
35) Dibromofluoromethane	7.59	113	636404	45.20	ug/l	0.00
Spiked Amount			Recovery	=	90.40%	
50) Toluene-d8	10.09	98	2357033	43.96	ug/l	0.00
Spiked Amount			Recovery	=	87.92%	
62) 4-Bromofluorobenzene	12.40	95	712967	40.22	ug/l	0.00
Spiked Amount			Recovery	=	80.44%	

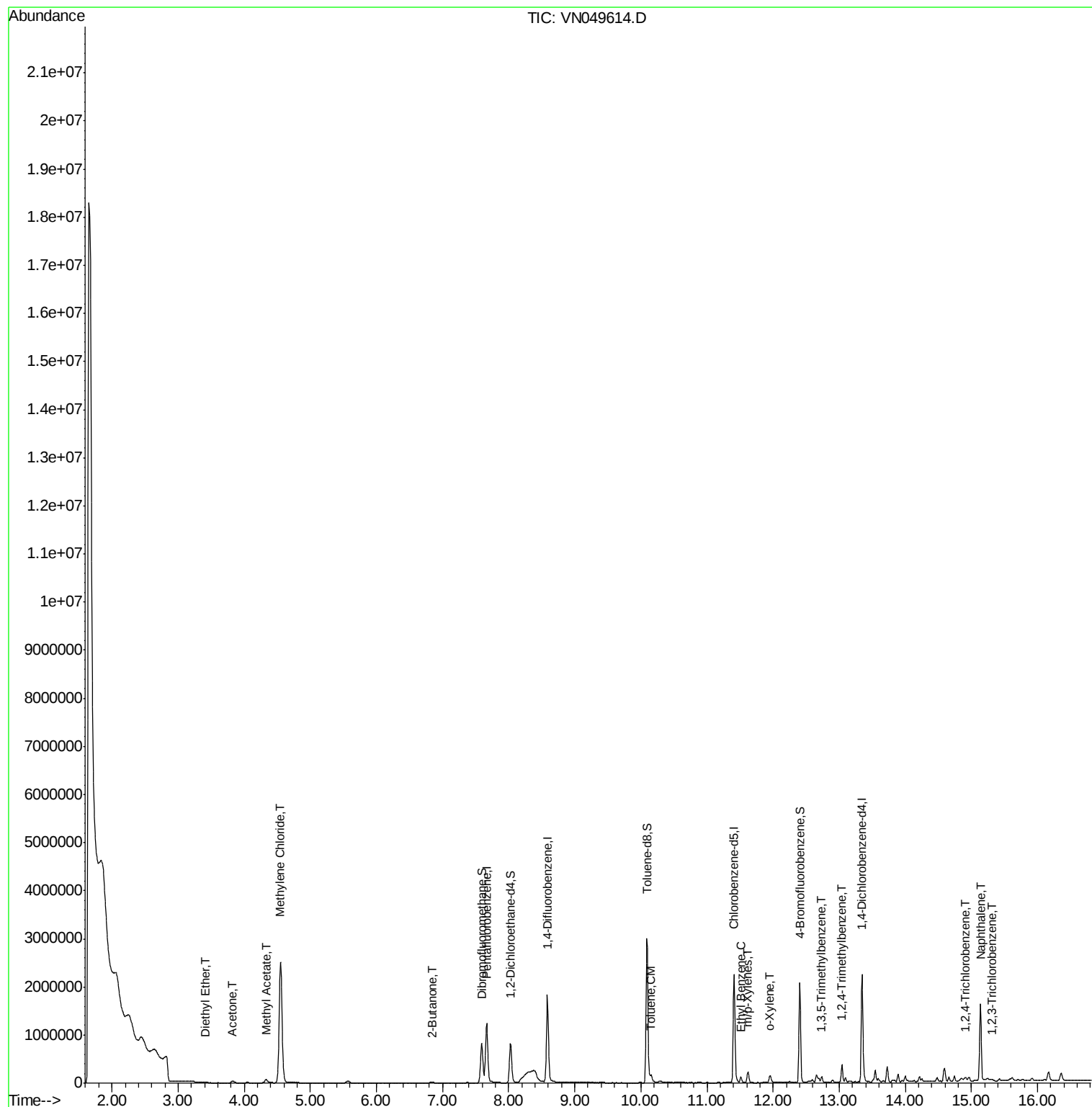
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.41	74	8549	1.11	ug/l	88
16) Acetone	3.82	43	68012	18.94	ug/l #	86
18) Methyl Acetate	4.33	43	145313	13.27	ug/l	94
20) Methylene Chloride	4.55	84	1954095	130.26	ug/l	90
25) 2-Butanone	6.85	43	8934	1.85	ug/l #	90
52) Toluene	10.16	92	45624	1.27	ug/l	94
67) Ethyl Benzene	11.51	91	87284	1.39	ug/l	99
68) m/p-Xylenes	11.62	106	74672	3.18	ug/l	96
69) o-Xylene	11.95	106	32039	1.42	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	56653	1.28	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	214008	4.86	ug/l	99
93) 1,2,4-Trichlorobenzene	14.91	180	22434	6.59	ug/l #	88
95) Naphthalene	15.14	128	1374461	66.61	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	5373	3.92	ug/l #	80

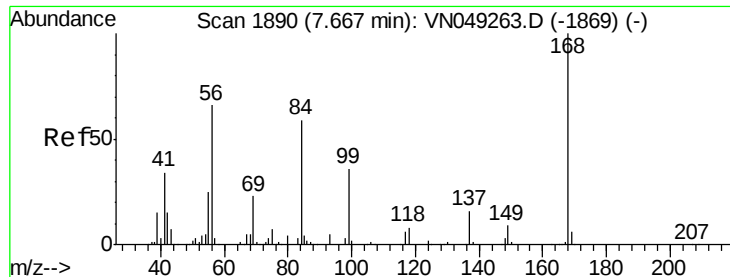
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN049614.D
 Acq: 29 Jun 2018 2:34

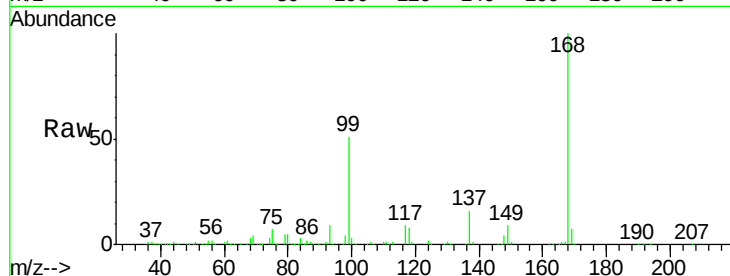
Instrument :
 MSVOA_N
 ClientSampleId :
 JC-02-062618-G

Tot Ion:168 Resp: 1115329

Ion Ratio Lower Upper

168 100

99 51.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VN049614.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN049614.D (-1797) (-)

7.67

500000

400000

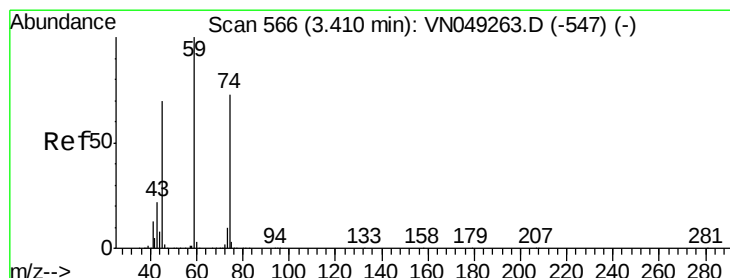
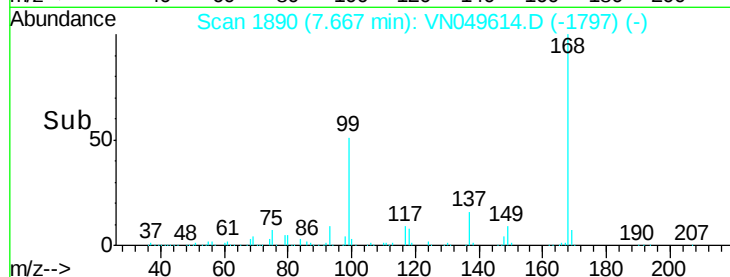
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#8

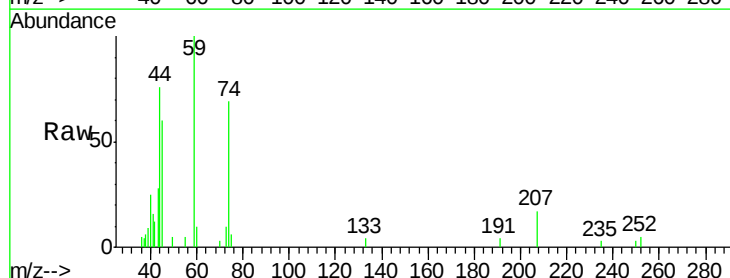
Diethyl Ether
 Concen: 1.11 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN049614.D
 Acq: 29 Jun 2018 2:34

Tgt Ion: 74 Resp: 8549

Ion Ratio Lower Upper

74 100

45 91.8 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VN049614.D (-473) (-)

Ion 45.00 (44.70 to 45.70): VN049614.D (-473) (-)

3.41

4000

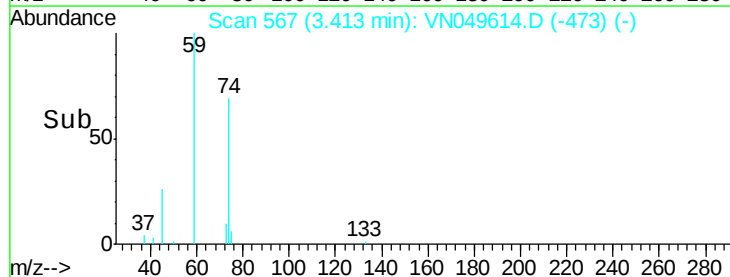
3000

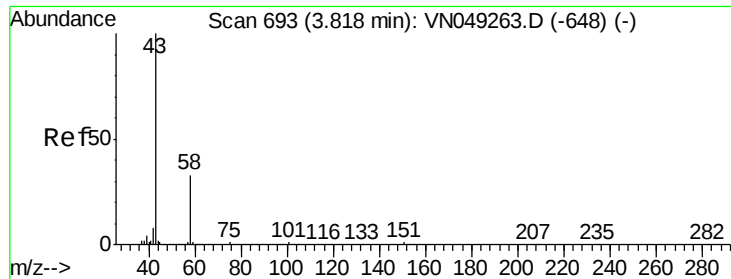
2000

1000

0

Time--> 3.35 3.40 3.45





#16

Acetone

Concen: 18.94 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

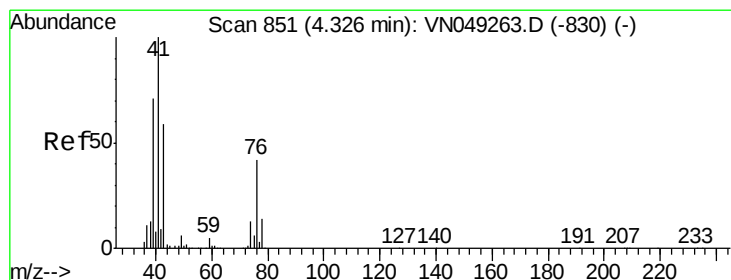
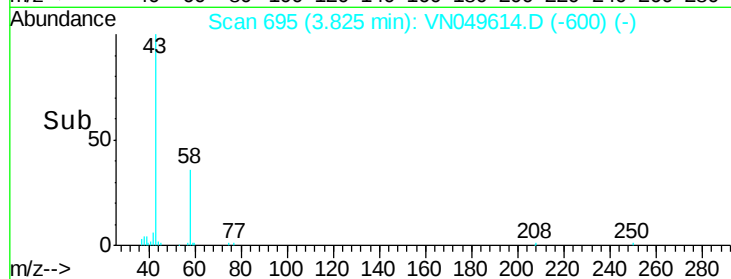
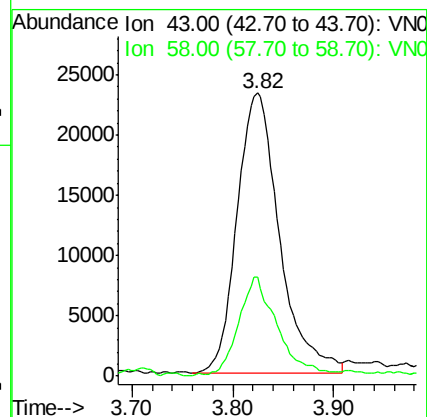
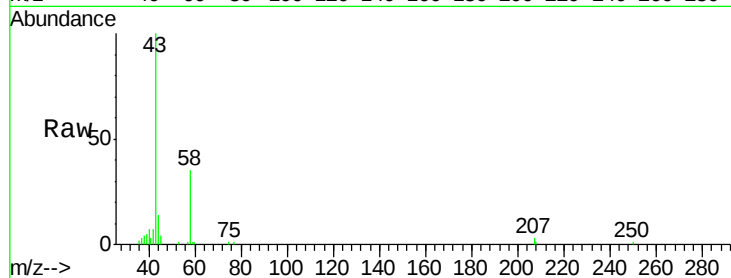
JC-02-062618-G

Tot Ion: 43 Resp: 68012

Ion Ratio Lower Upper

43 100

58 35.4 22.4 33.6#



#18

Methyl Acetate

Concen: 13.27 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049614.D

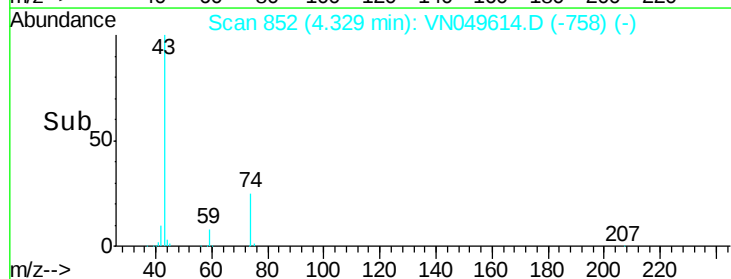
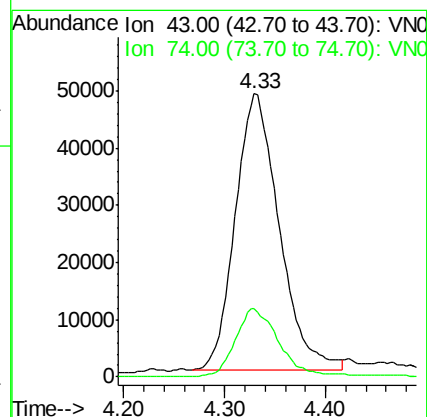
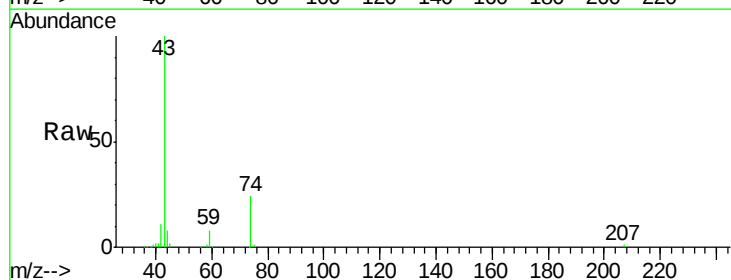
Acq: 29 Jun 2018 2:34

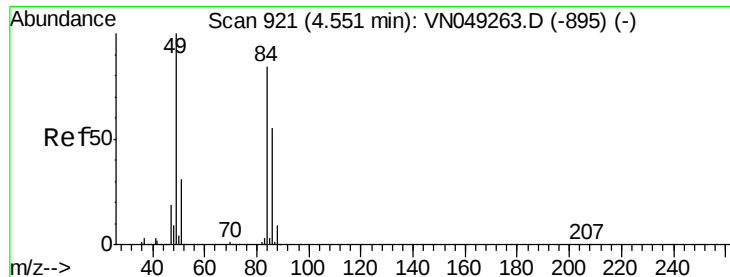
Tgt Ion: 43 Resp: 145313

Ion Ratio Lower Upper

43 100

74 24.7 17.4 26.0



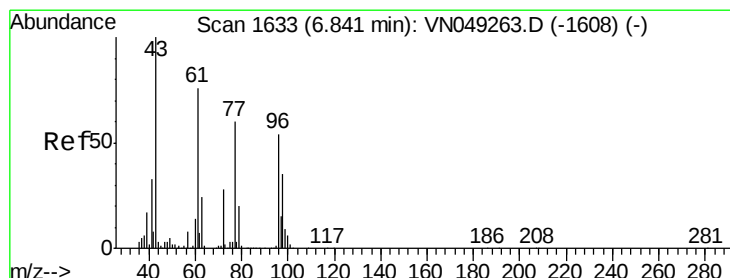
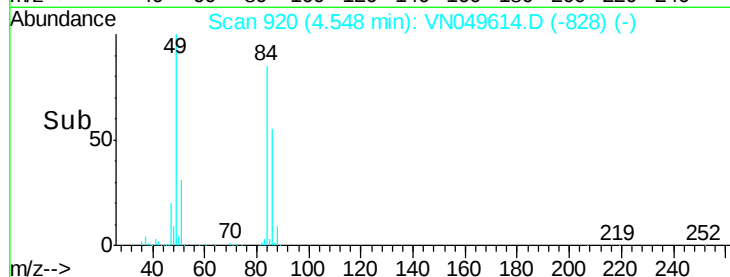
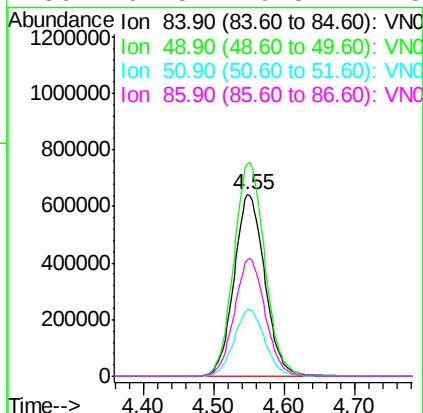
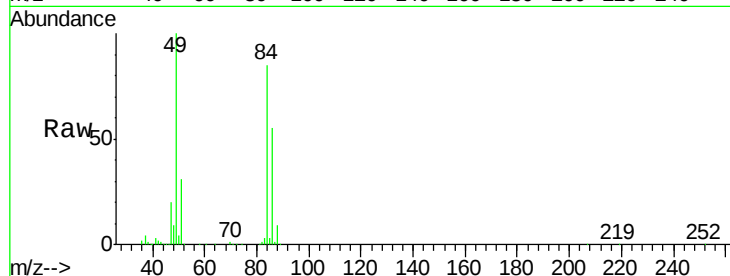


#20
Methvlene Chloride
Concen: 130.26 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampleId :
JC-02-062618-G

Tot Ion: 84 Resp: 1954095

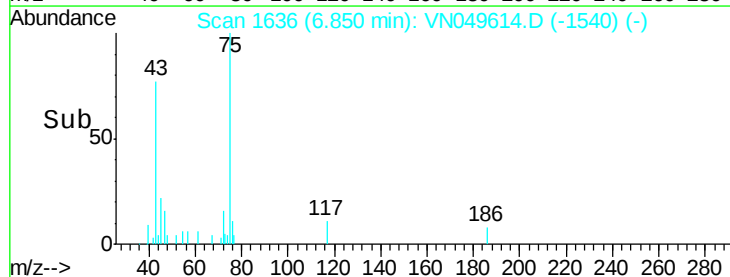
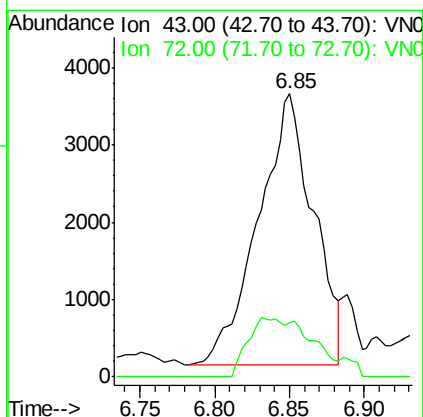
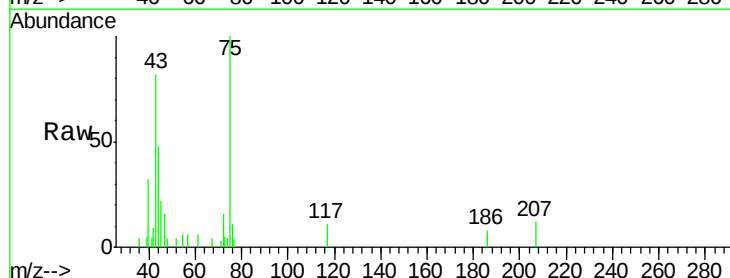
Ion	Ratio	Lower	Upper
84	100		
49	117.5	106.9	160.3
51	36.8	32.7	49.1
86	64.5	49.8	74.8

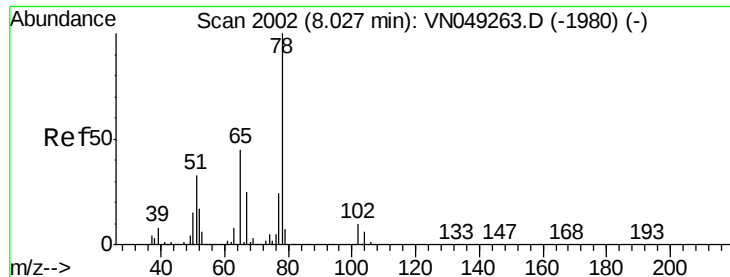


#25
2-Butanone
Concen: 1.85 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

Tgt Ion: 43 Resp: 8934

Ion	Ratio	Lower	Upper
43	100		
72	20.0	20.2	30.2#





#33

1,2-Dichloroethane-d4

Concen: 48.90 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

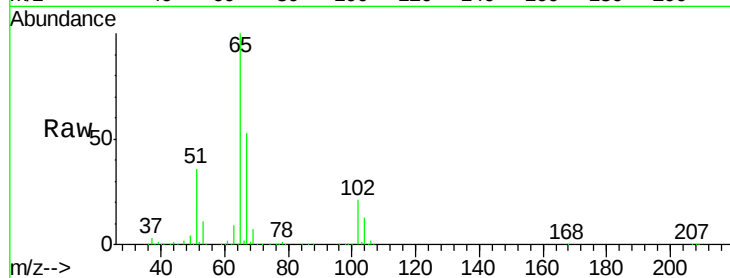
JC-02-062618-G

Tot Ion: 65 Resp: 723428

Ion Ratio Lower Upper

65 100

67 53.1 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049614.D (-1980) (-)

Ion 66.90 (66.60 to 67.60): VN049614.D (-1980) (-)

8.03

300000

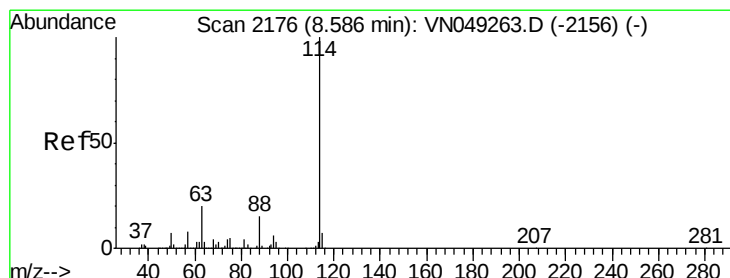
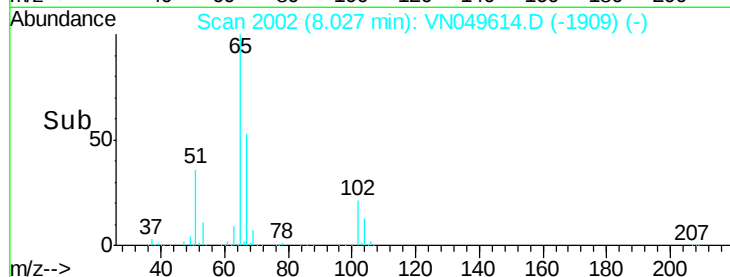
200000

100000

0

7.90 8.00 8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

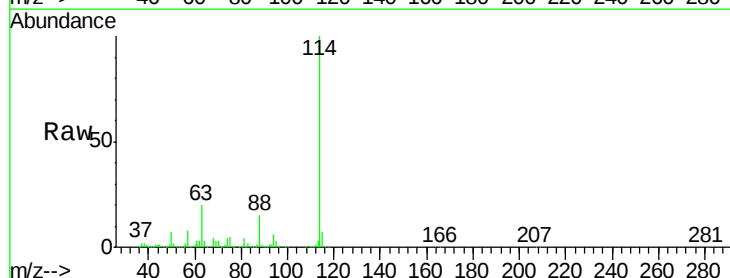
Tgt Ion: 114 Resp: 1740474

Ion Ratio Lower Upper

114 100

63 19.7 0.0 44.4

88 15.2 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN049614.D (-2156) (-)

Ion 63.00 (62.70 to 63.70): VN049614.D (-2156) (-)

Ion 87.90 (87.60 to 88.60): VN049614.D (-2156) (-)

8.59

1000000

800000

600000

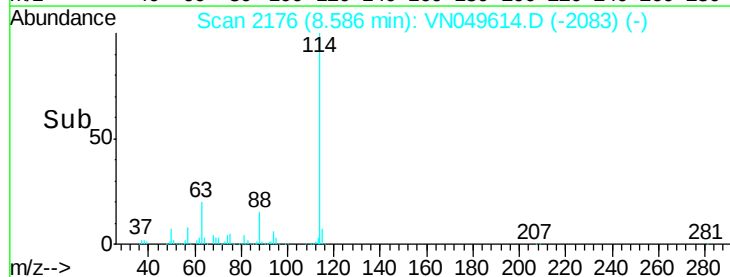
400000

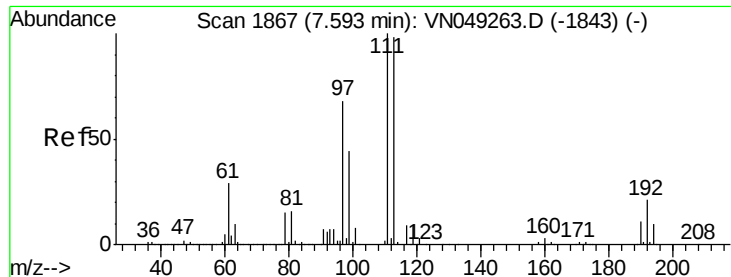
200000

0

8.50 8.60 8.70 8.80

Time-->

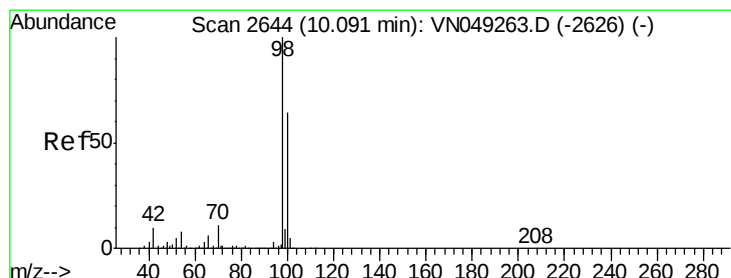
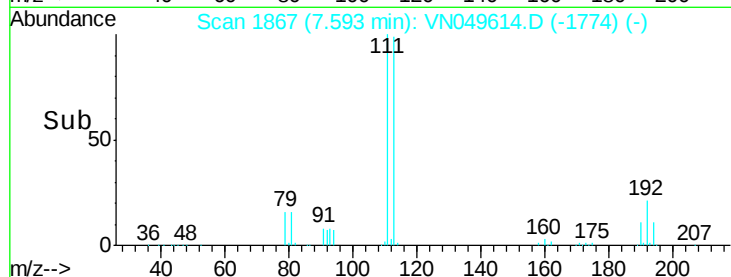
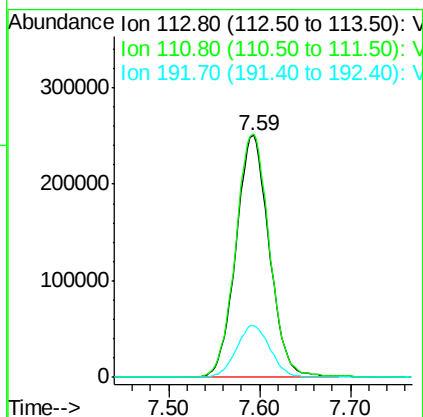
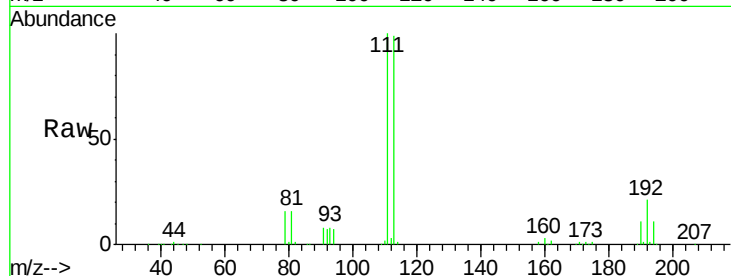




#35
Dibromofluoromethane
Concen: 45.20 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

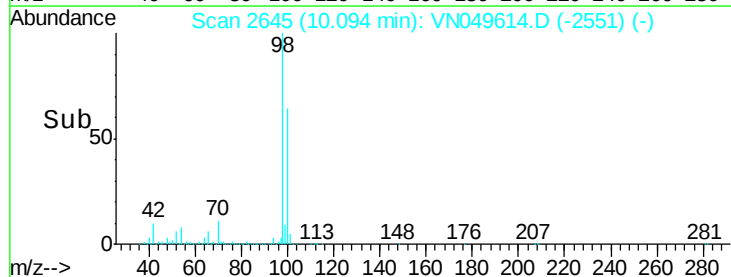
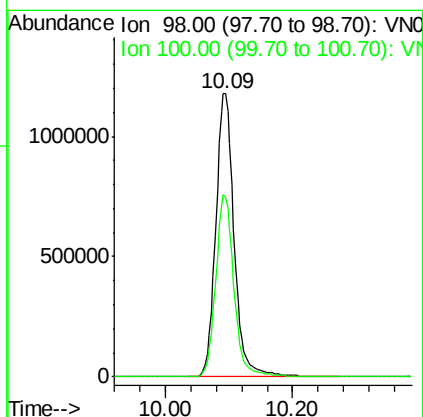
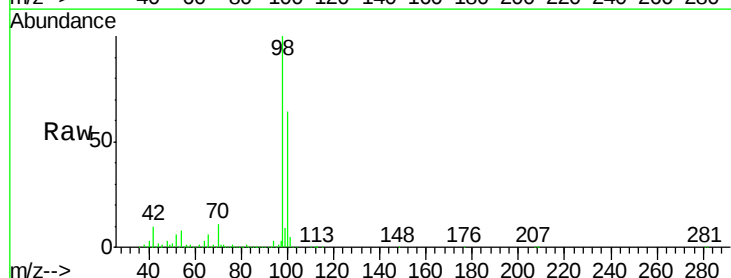
Instrument :
MSVOA_N
ClientSampleId :
JC-02-062618-G

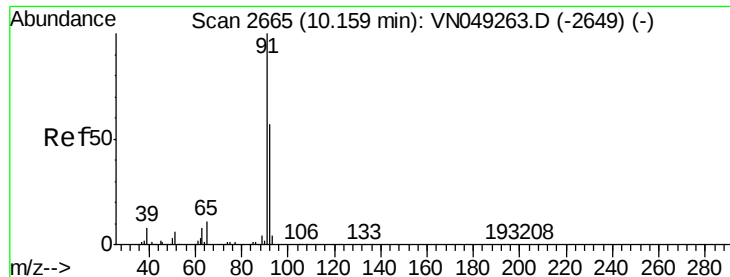
Tot Ion:113 Resp: 636404
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 21.7 15.0 22.6



#50
Toluene-d8
Concen: 43.96 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

Tgt Ion: 98 Resp: 2357033
Ion Ratio Lower Upper
98 100
100 63.8 49.8 74.8





#52

Toluene

Concen: 1.27 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

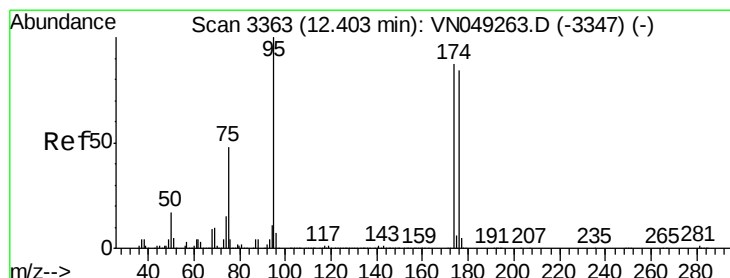
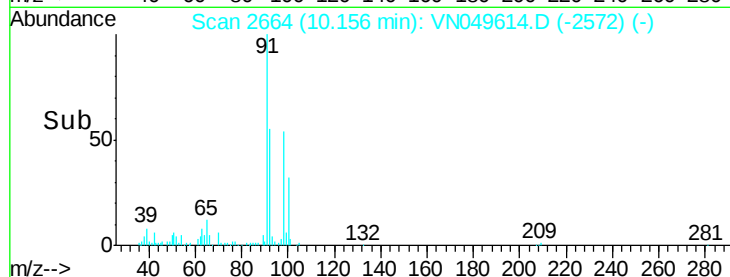
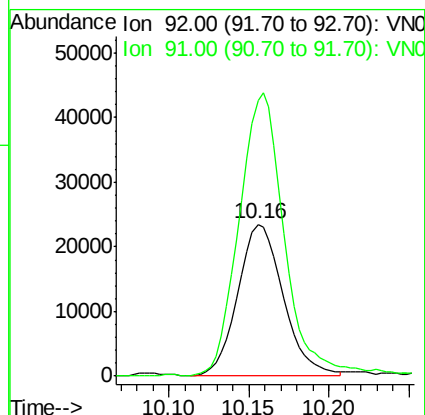
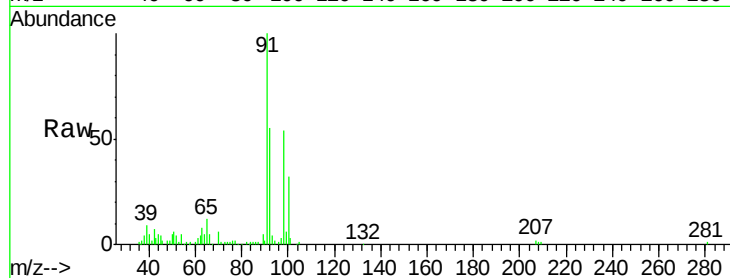
JC-02-062618-G

Tot Ion: 92 Resp: 45624

Ion Ratio Lower Upper

92 100

91 187.4 143.4 215.2



#62

4-Bromofluorobenzene

Concen: 40.22 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

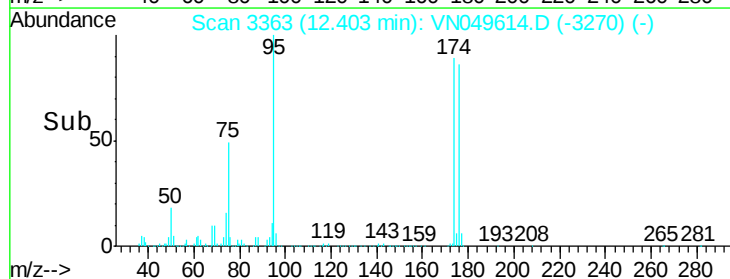
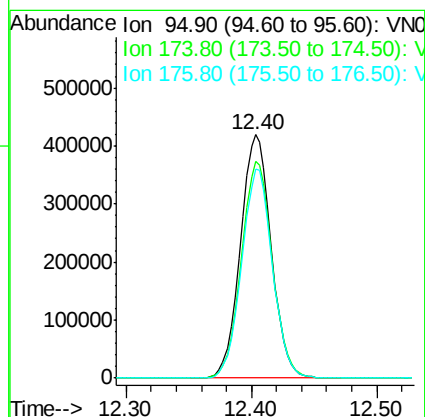
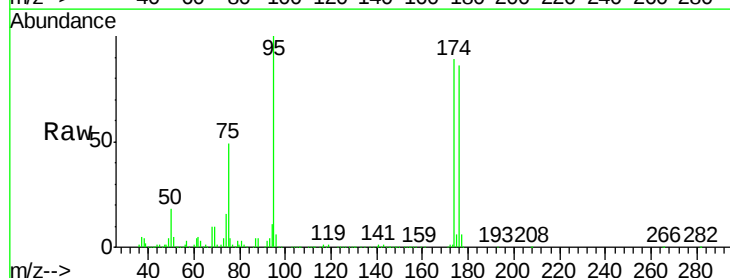
Tgt Ion: 95 Resp: 712967

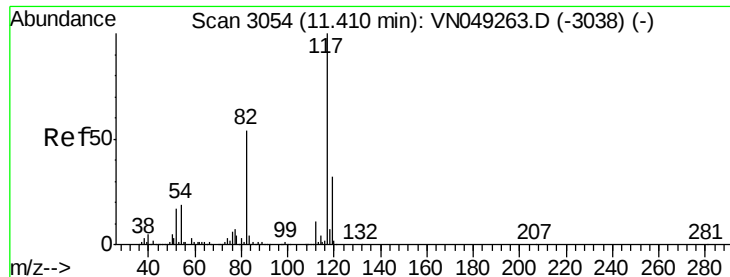
Ion Ratio Lower Upper

95 100

174 89.6 0.0 165.6

176 86.1 0.0 157.4

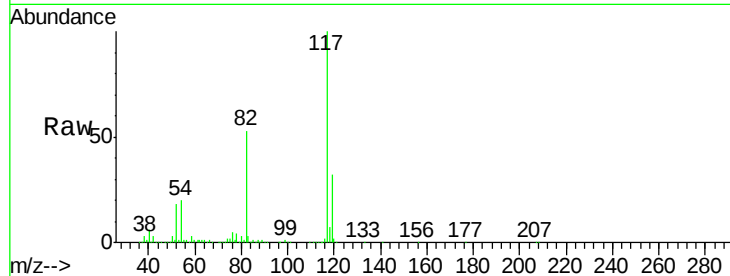




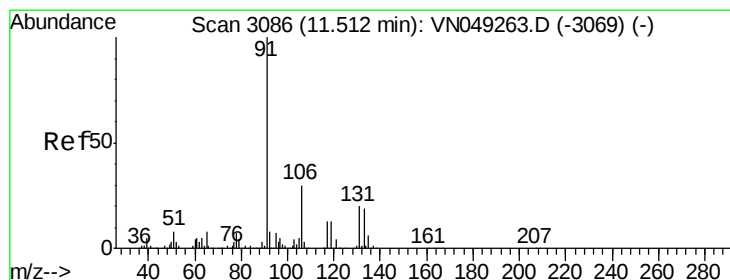
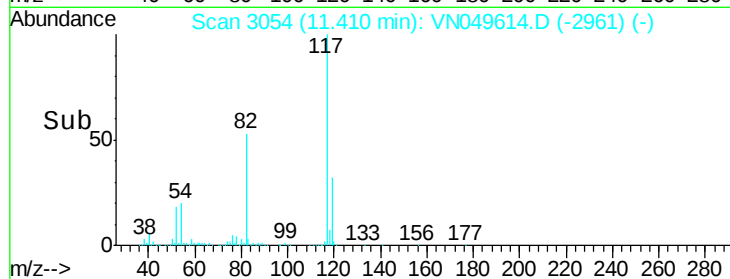
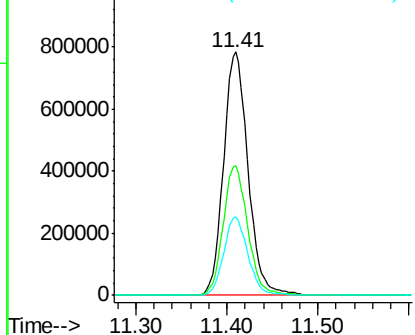
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampled :
JC-02-062618-G

Tot Ion:117 Resp: 1464682
Ion Ratio Lower Upper
117 100
82 53.5 45.9 68.9
119 32.4 25.5 38.3

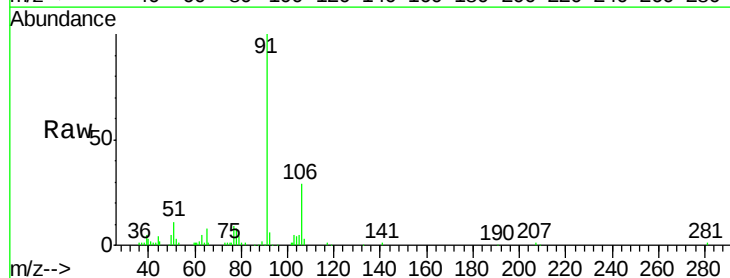


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

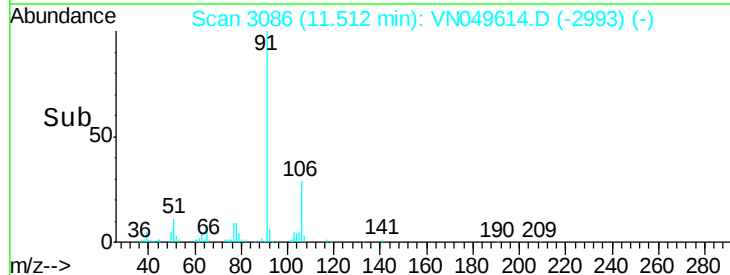
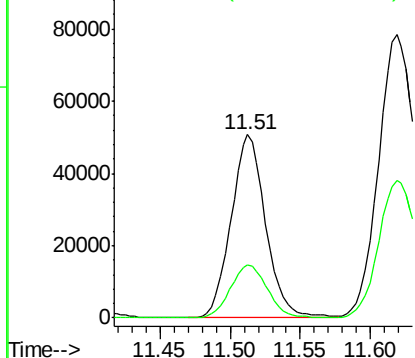


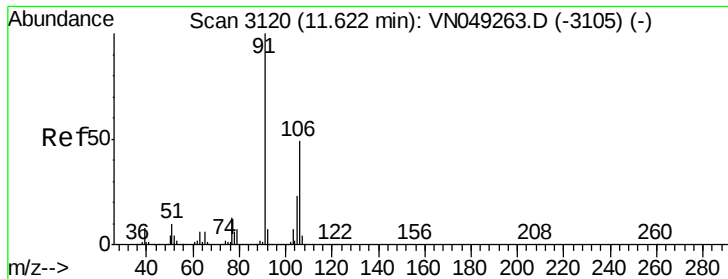
#67
Ethyl Benzene
Concen: 1.39 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

Tgt Ion: 91 Resp: 87284
Ion Ratio Lower Upper
91 100
106 29.2 23.9 35.9



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





#68

m/p-Xylenes

Concen: 3.18 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

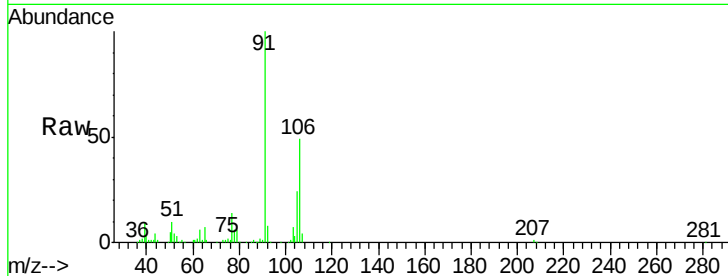
JC-02-062618-G

Tot Ion:106 Resp: 74672

Ion Ratio Lower Upper

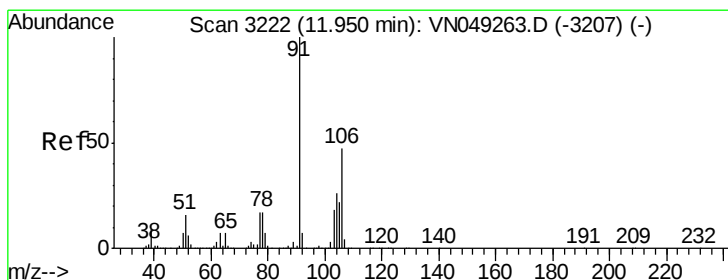
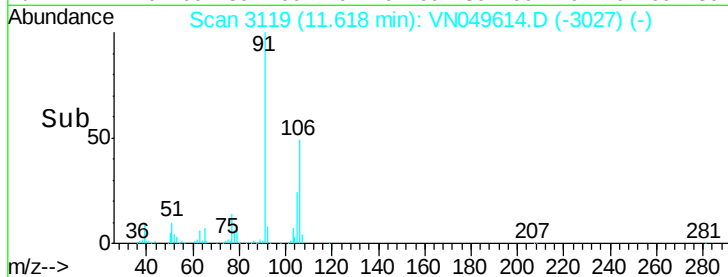
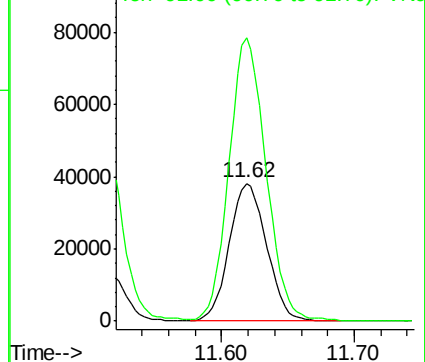
106 100

91 202.3 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 1.42 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049614.D

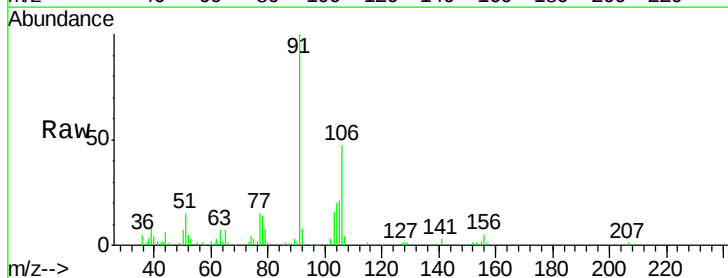
Acq: 29 Jun 2018 2:34

Tgt Ion:106 Resp: 32039

Ion Ratio Lower Upper

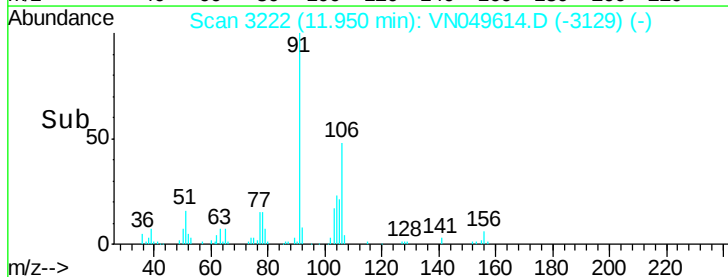
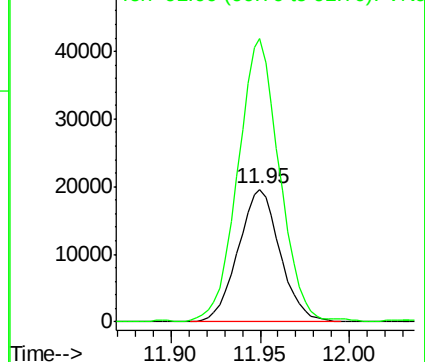
106 100

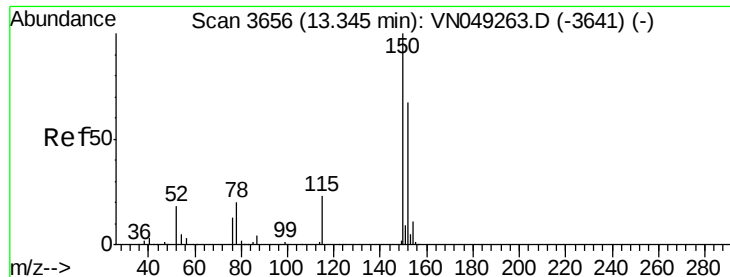
91 213.2 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

JC-02-062618-G

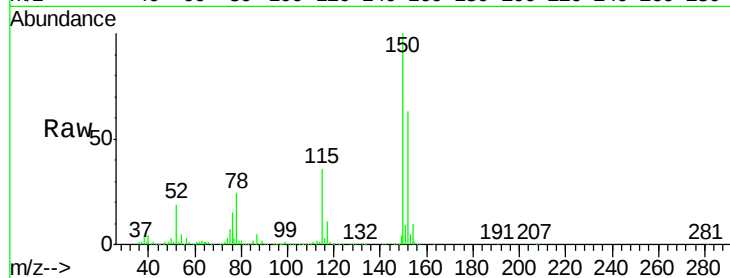
Tot Ion:152 Resp: 642562

Ion Ratio Lower Upper

152 100

115 56.6 28.7 86.1

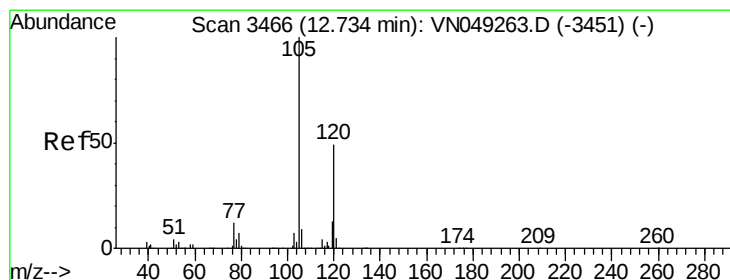
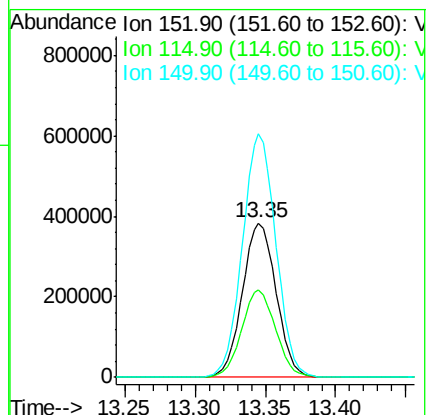
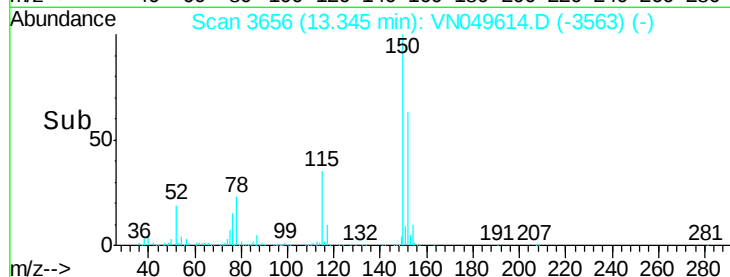
150 156.6 0.0 351.0



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: 1.28 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049614.D

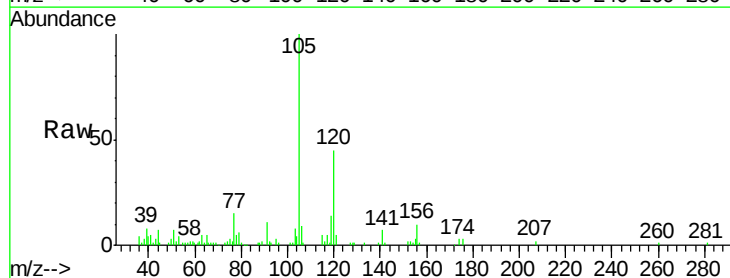
Acq: 29 Jun 2018 2:34

Tgt Ion:105 Resp: 56653

Ion Ratio Lower Upper

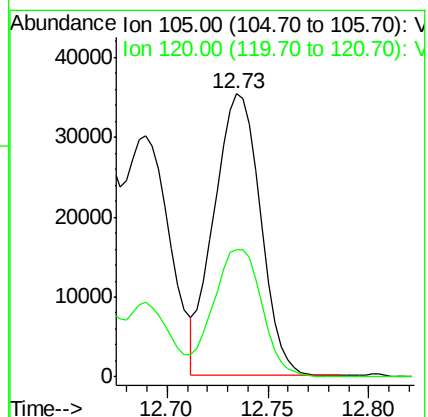
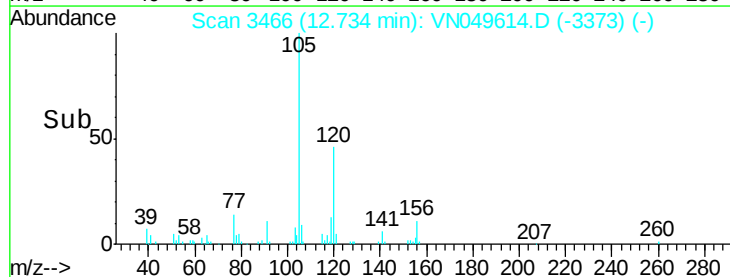
105 100

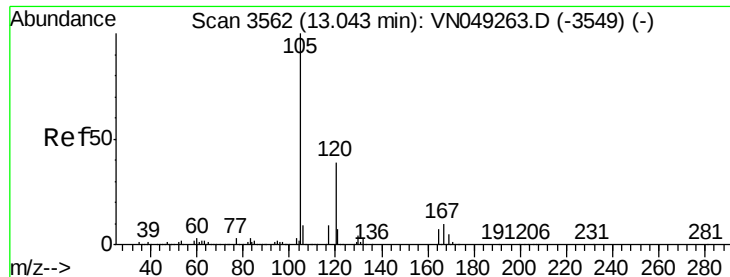
120 47.1 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

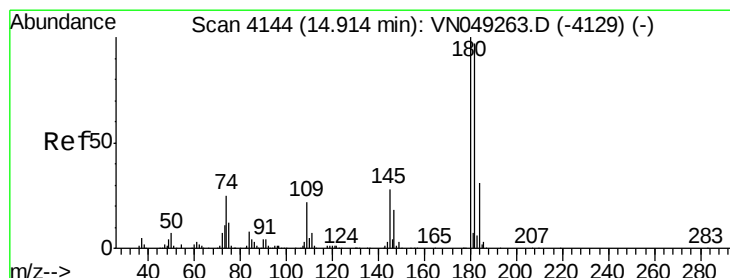
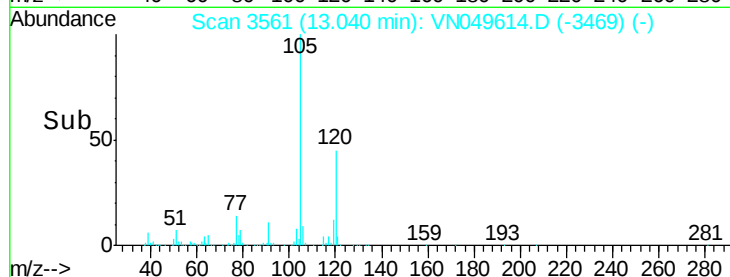
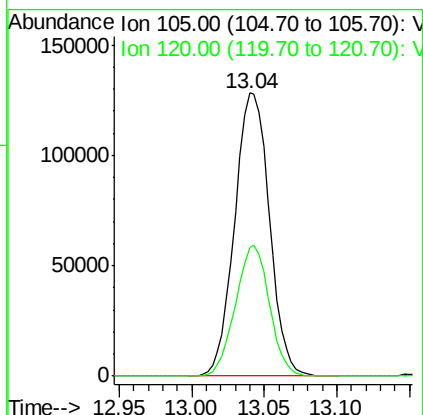
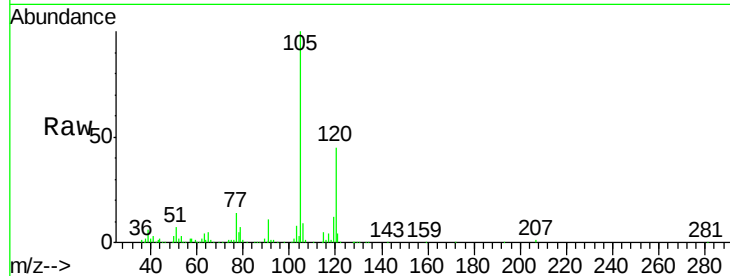




#84
 1,2,4-Trimethylbenzene
 Concen: 4.86 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN049614.D
 Acq: 29 Jun 2018 2:34

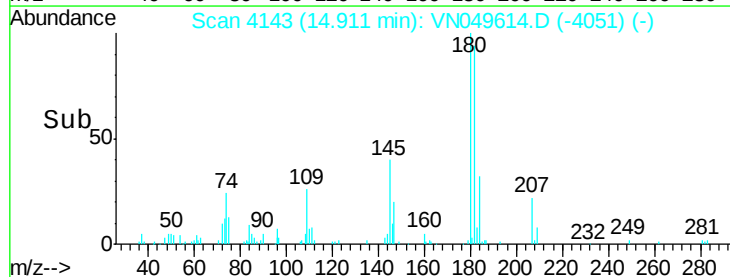
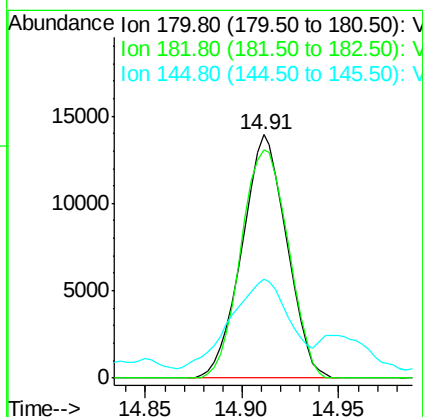
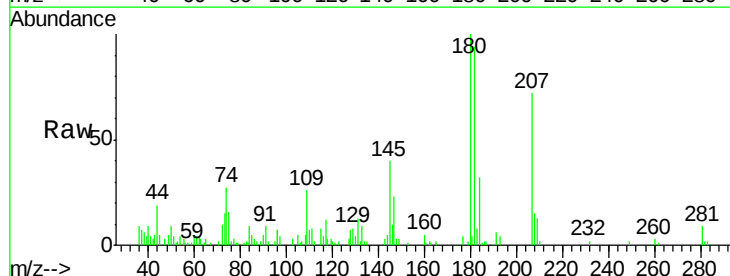
Instrument :
 MSVOA_N
 ClientSampleId :
 JC-02-062618-G

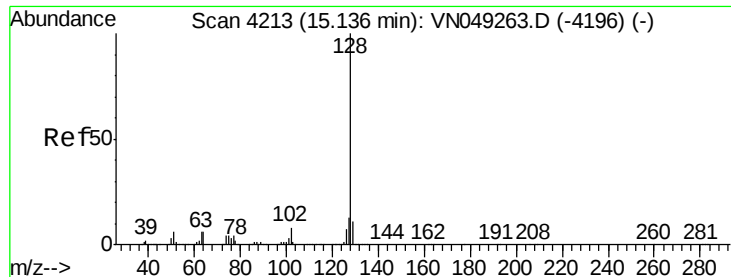
Tot Ion:105 Resp: 214008
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.2 66.6



#93
 1,2,4-Trichlorobenzene
 Concen: 6.59 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049614.D
 Acq: 29 Jun 2018 2:34

Tgt Ion:180 Resp: 22434
 Ion Ratio Lower Upper
 180 100
 182 99.1 46.9 140.8
 145 48.2 14.7 44.1#

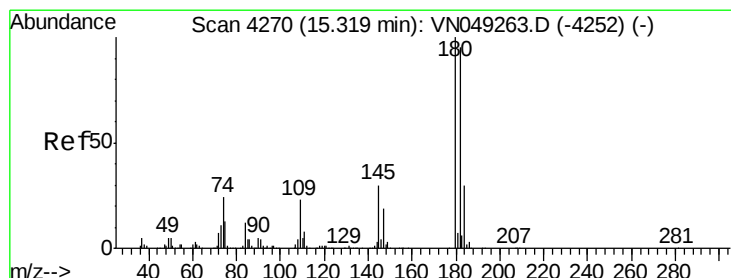
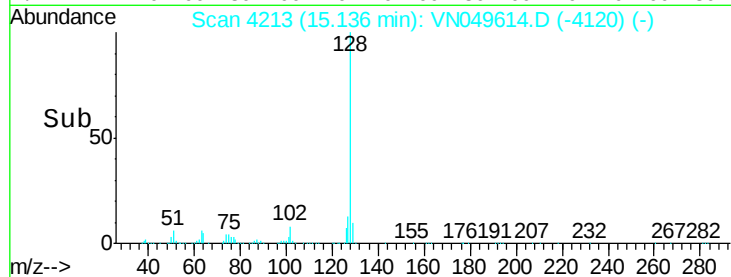
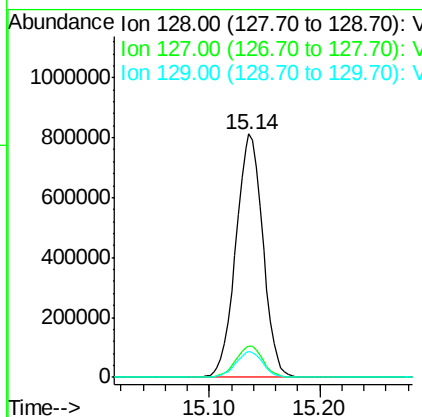
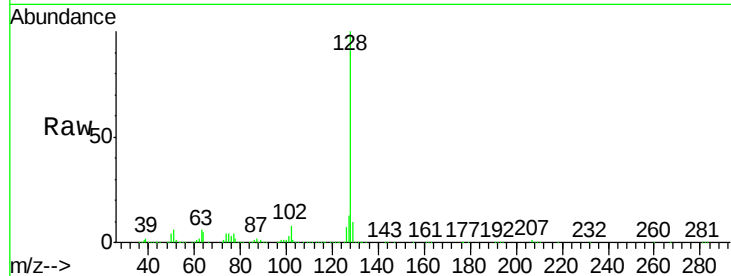




#95
Naphthalene
Concen: 66.61 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampleId :
JC-02-062618-G

Tot Ion:128 Resp: 1374461
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.5 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 3.92 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

Tgt Ion:180 Resp: 5373
Ion Ratio Lower Upper
180 100
182 98.8 47.3 141.8
145 68.0 15.6 46.7#

