

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021219\
 Data File : VF061620.D
 Acq On : 12 Feb 2019 20:33
 Operator : VA/AP
 Sample : K1343-27
 Misc : 5.56g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 JC-02-021119-N

Quant Time: Feb 13 02:51:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	202619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	358607	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	314295	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	156873	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	124923	49.94	ug/l	0.02
Spiked Amount			Recovery	=	99.88%	
35) Dibromofluoromethane	4.12	113	147071	51.97	ug/l	0.02
Spiked Amount			Recovery	=	103.94%	
50) Toluene-d8	7.55	98	335087	43.22	ug/l	0.00
Spiked Amount			Recovery	=	86.44%	
62) 4-Bromofluorobenzene	11.41	95	151982	41.96	ug/l	0.00
Spiked Amount			Recovery	=	83.92%	

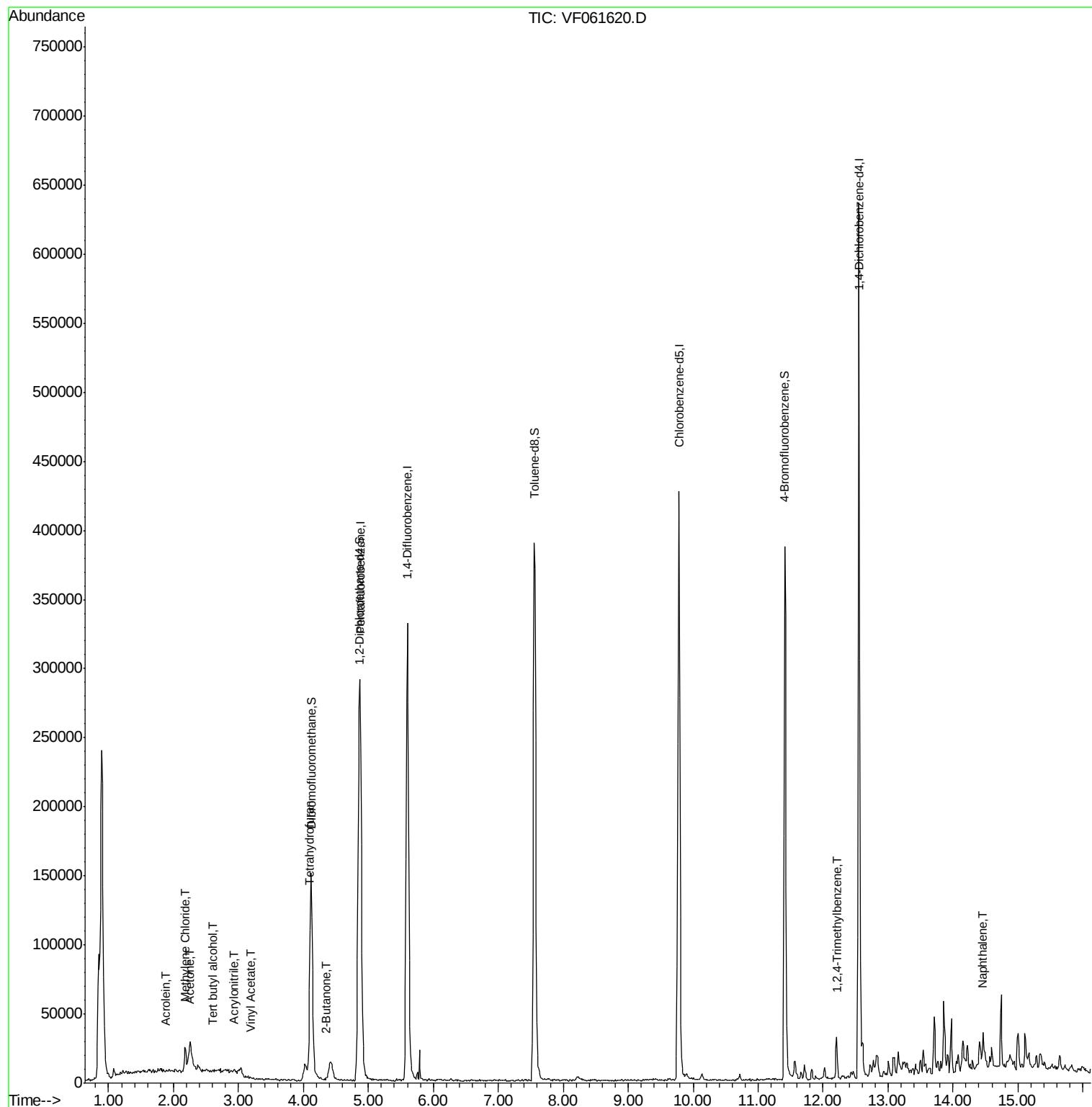
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.61	59	200	1.889	ug/l #	64
13) Acrolein	1.89	56	555	16.170	ug/l	91
14) Allyl chloride	2.12	41	662	Below Cal	#	53
15) Acrylonitrile	2.94	53	382	1.408	ug/l #	41
16) Acetone	2.24	43	10807	21.534	ug/l	99
20) Methylene Chloride	2.18	84	7150	2.529	ug/l #	77
23) Vinyl Acetate	3.20	43	311	3.303	ug/l #	78
25) 2-Butanone	4.35	43	1539	1.844	ug/l	93
29) Tetrahydrofuran	4.09	42	1397	3.888	ug/l #	55
84) 1,2,4-Trimethylbenzene	12.21	105	13893	1.310	ug/l	95
95) Naphthalene	14.46	128	6759	1.007	ug/l #	84

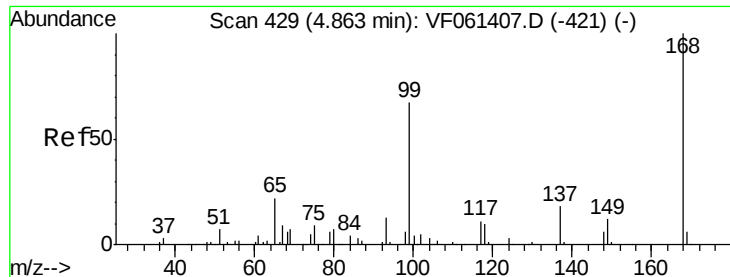
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021219\
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JC-02-021119-N

Quant Time: Feb 13 02:51:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF061620.D

Acq: 12 Feb 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

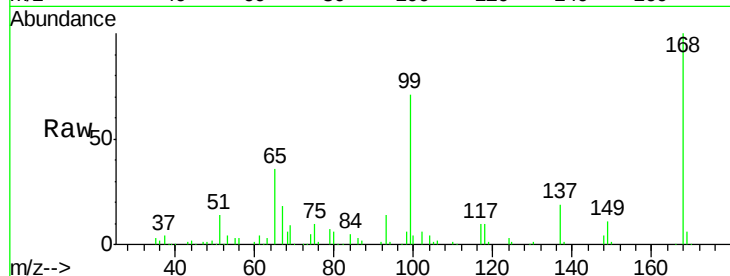
JC-02-021119-N

Tot Ion:168 Resp: 202619

Ion Ratio Lower Upper

168 100

99 70.6 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

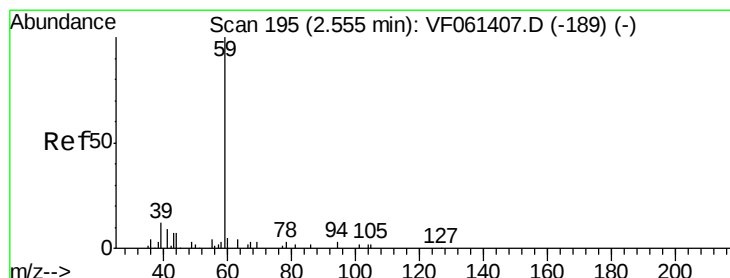
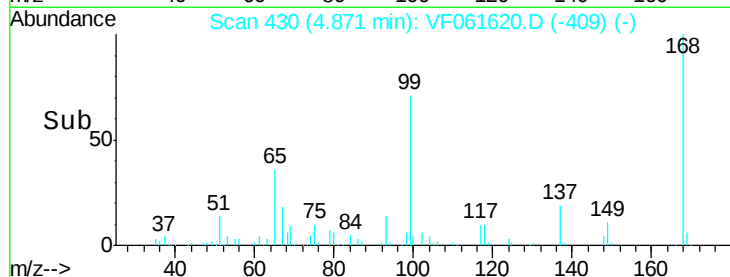
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#11

Tert butyl alcohol

Concen: 1.889 ug/l

RT: 2.61 min Scan# 201

Delta R.T. 0.06 min

Lab File: VF061620.D

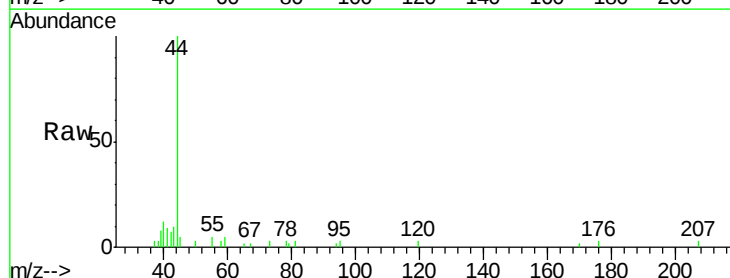
Acq: 12 Feb 2019 20:33

Tgt Ion: 59 Resp: 200

Ion Ratio Lower Upper

59 100

57 0.0 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.61

250

200

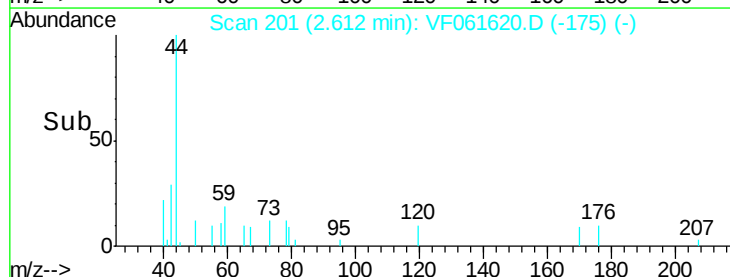
150

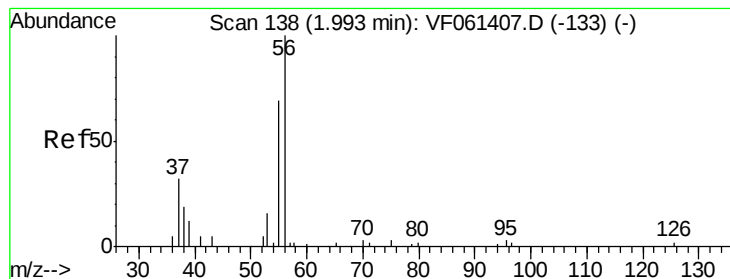
100

50

0

Time--> 2.55 2.60 2.65





#13

Acrolein

Concen: 16.170 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.10 min

Lab File: VF061620.D

Acq: 12 Feb 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

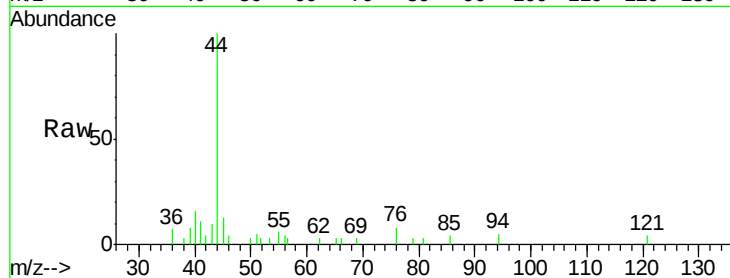
JC-02-021119-N

Tot Ion: 56 Resp: 555

Ion Ratio Lower Upper

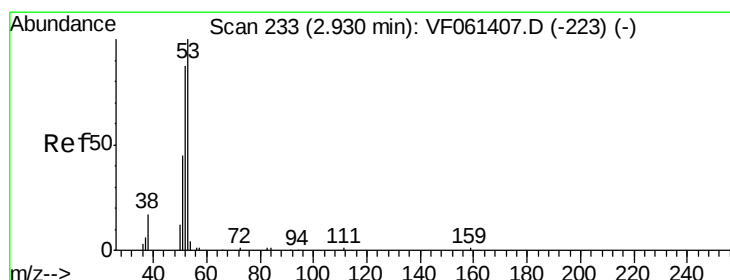
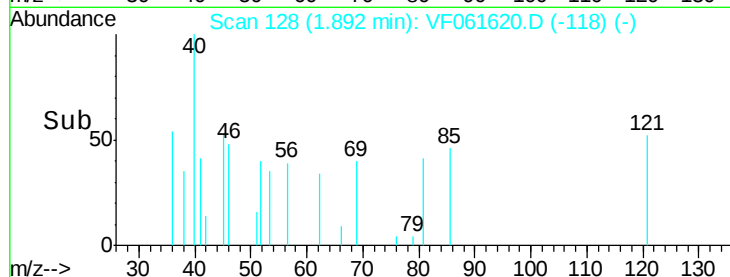
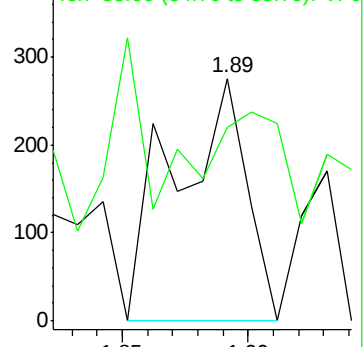
56 100

55 79.7 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 1.408 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

Lab File: VF061620.D

Acq: 12 Feb 2019 20:33

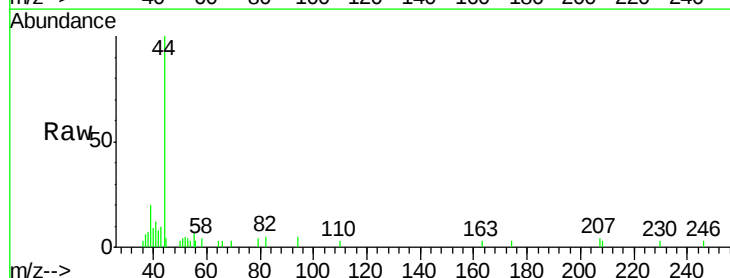
Tgt Ion: 53 Resp: 382

Ion Ratio Lower Upper

53 100

52 118.8 69.6 104.4#

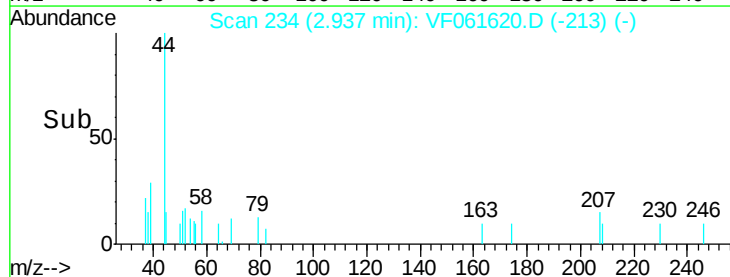
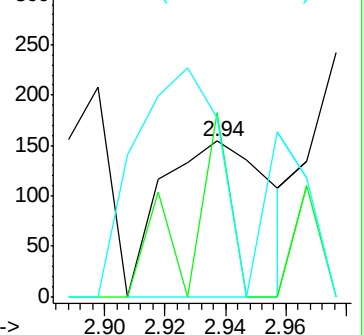
51 115.6 36.8 55.2#

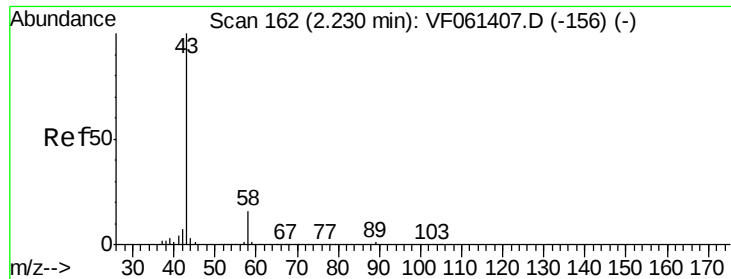


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 21.534 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061620.D

Acq: 12 Feb 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

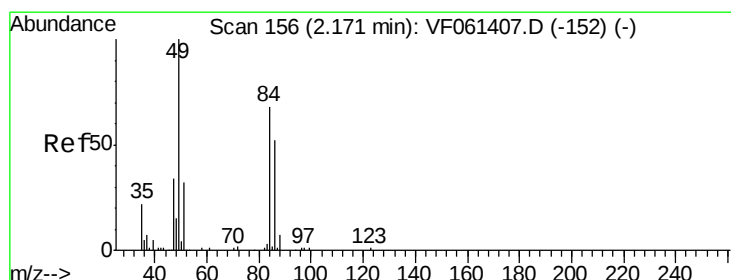
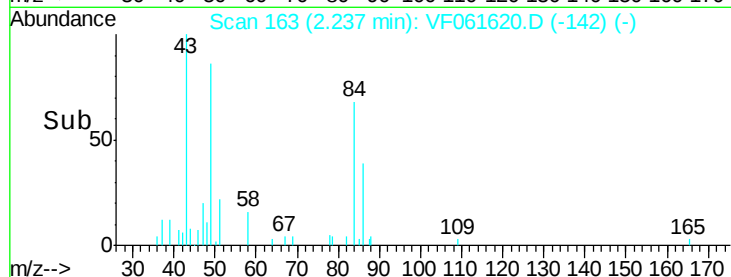
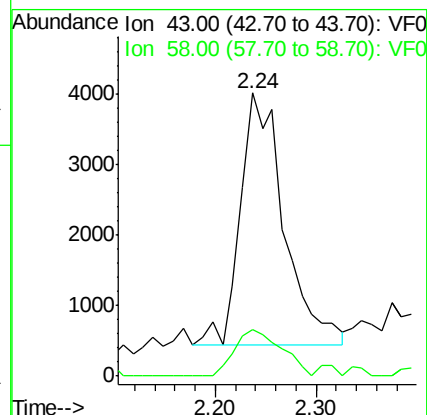
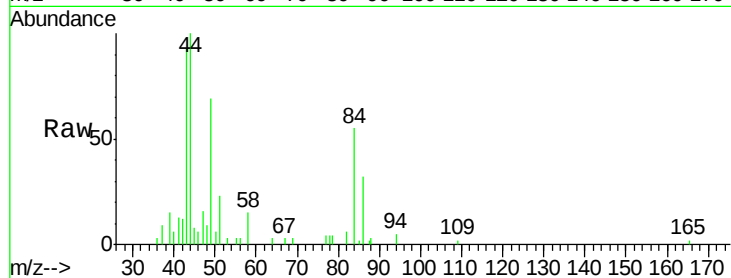
JC-02-021119-N

Tot Ion: 43 Resp: 10807

Ion Ratio Lower Upper

43 100

58 16.3 13.3 19.9



#20

Methylene Chloride

Concen: 2.529 ug/l

RT: 2.18 min Scan# 157

Delta R.T. 0.01 min

Lab File: VF061620.D

Acq: 12 Feb 2019 20:33

Tgt Ion: 84 Resp: 7150

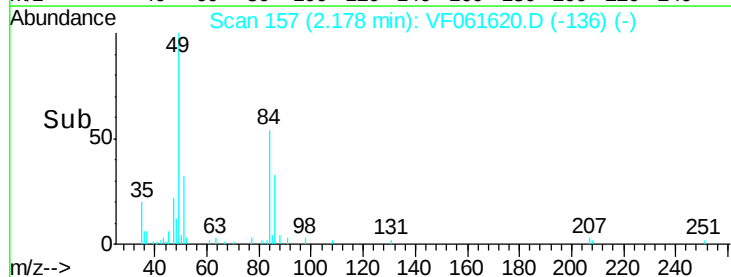
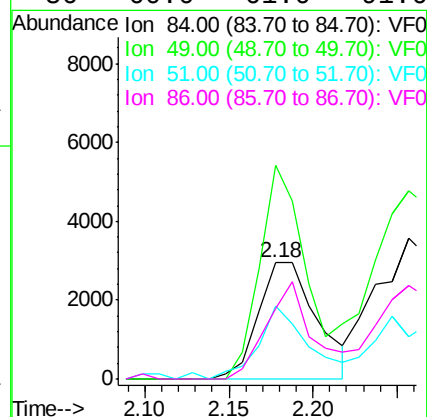
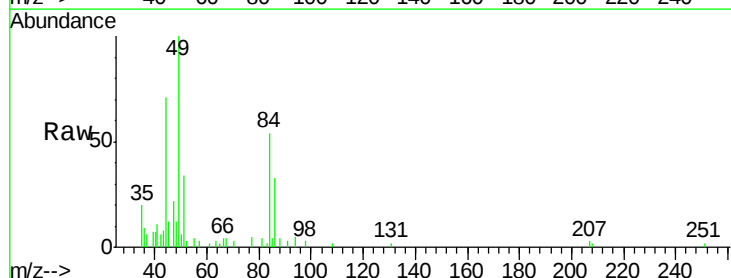
Ion Ratio Lower Upper

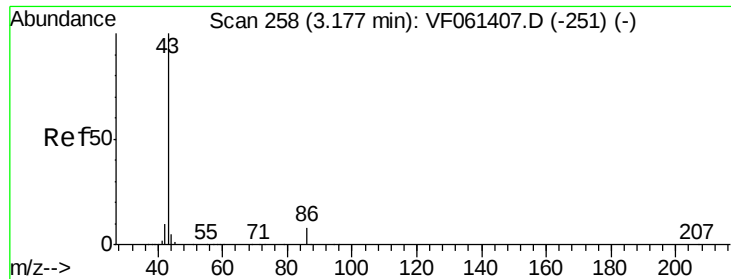
84 100

49 183.6 120.0 180.0#

51 62.3 38.6 58.0#

86 60.0 61.0 91.6#





#23

Vinyl Acetate

Concen: 3.303 ug/l

RT: 3.20 min Scan# 261

Delta R.T. 0.03 min

Lab File: VF061620.D

Acq: 12 Feb 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

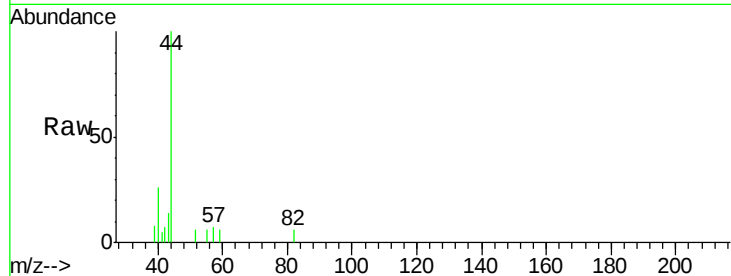
JC-02-021119-N

Tot Ion: 43 Resp: 311

Ion Ratio Lower Upper

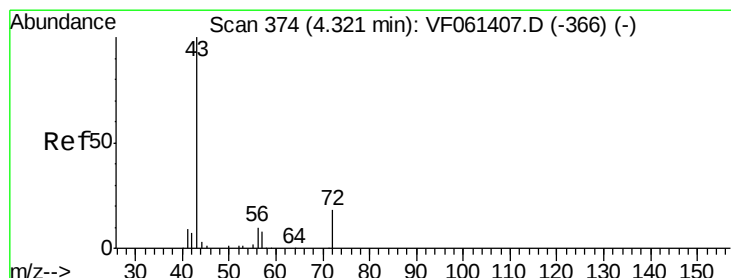
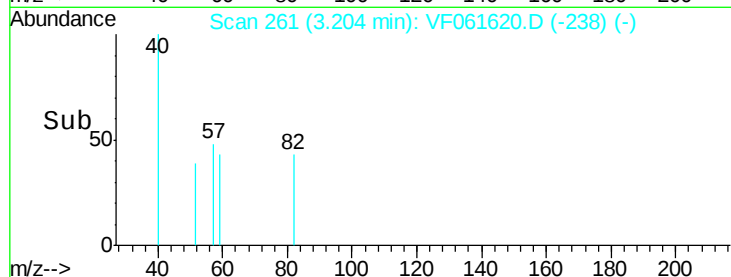
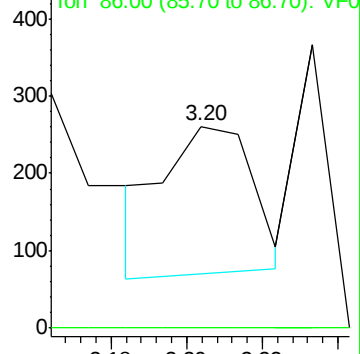
43 100

86 0.0 6.2 9.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#25

2-Butanone

Concen: 1.844 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.03 min

Lab File: VF061620.D

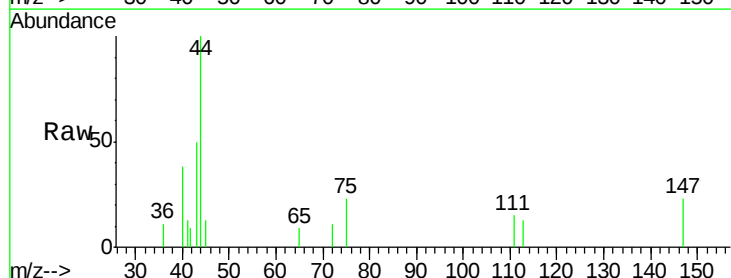
Acq: 12 Feb 2019 20:33

Tgt Ion: 43 Resp: 1539

Ion Ratio Lower Upper

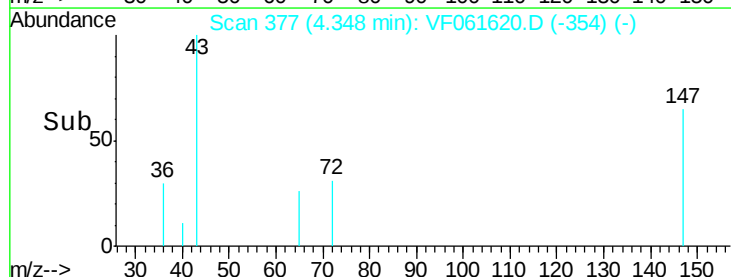
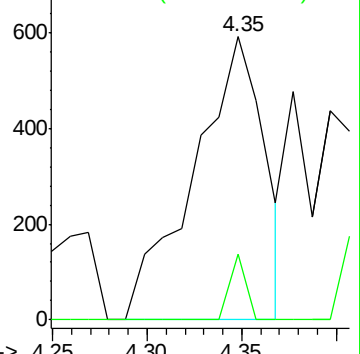
43 100

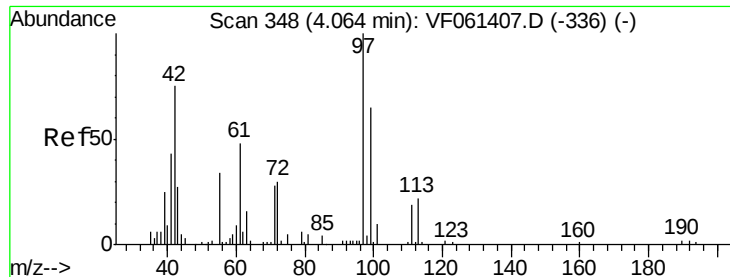
72 23.0 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#29

Tetrahydrofuran

Concen: 3.888 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.03 min

Lab File: VF061620.D

Acq: 12 Feb 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

JC-02-021119-N

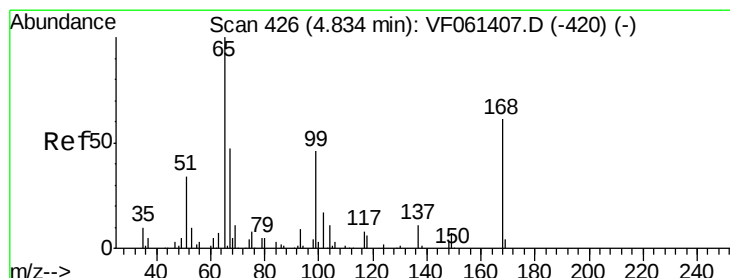
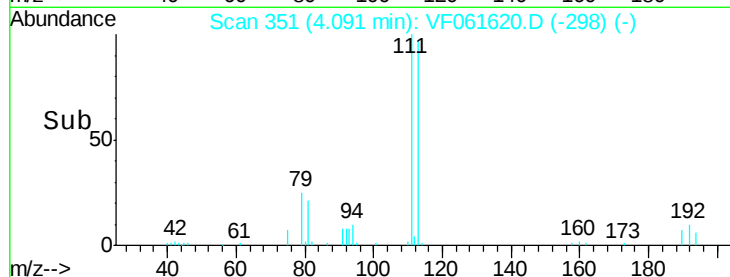
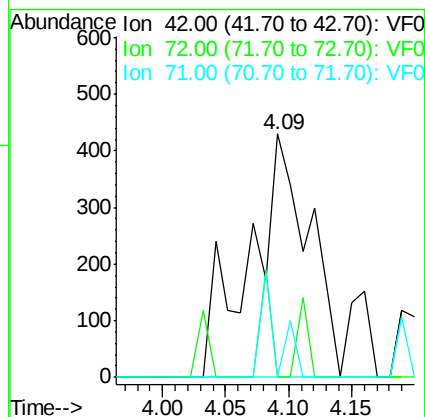
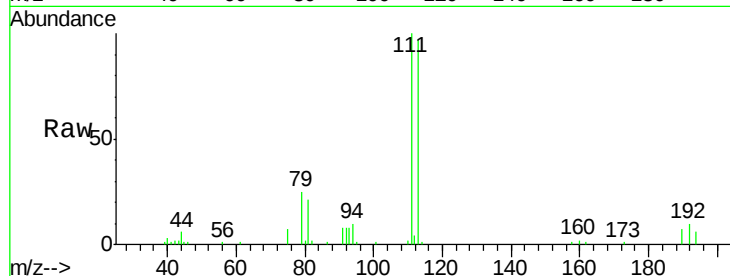
Tot Ion: 42 Resp: 1397

Ion Ratio Lower Upper

42 100

72 8.0 28.9 43.3#

71 12.0 29.6 44.4#



#33

1,2-Dichloroethane-d4

Concen: 49.937 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.02 min

Lab File: VF061620.D

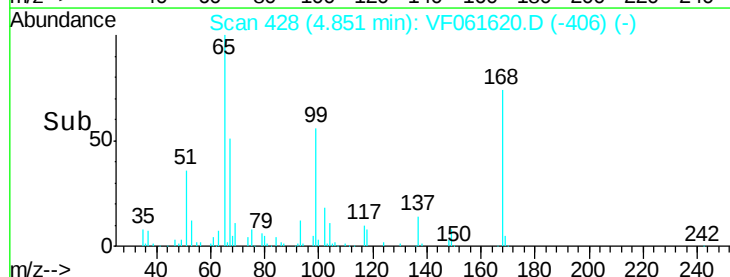
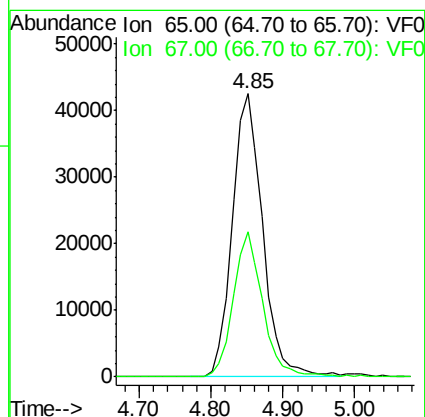
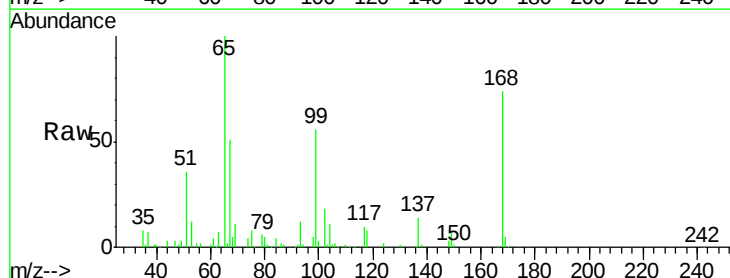
Acq: 12 Feb 2019 20:33

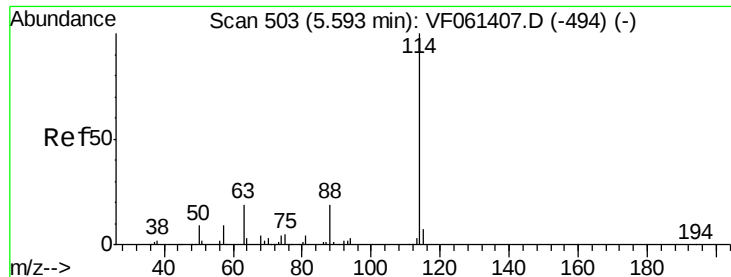
Tgt Ion: 65 Resp: 124923

Ion Ratio Lower Upper

65 100

67 51.1 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061620.D

Acq: 12 Feb 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

JC-02-021119-N

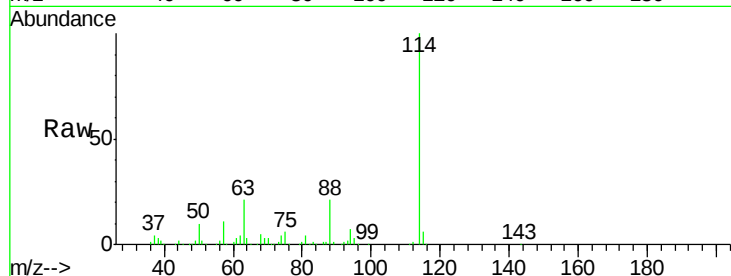
Tot Ion:114 Resp: 358607

Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.0

88 20.7 0.0 37.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

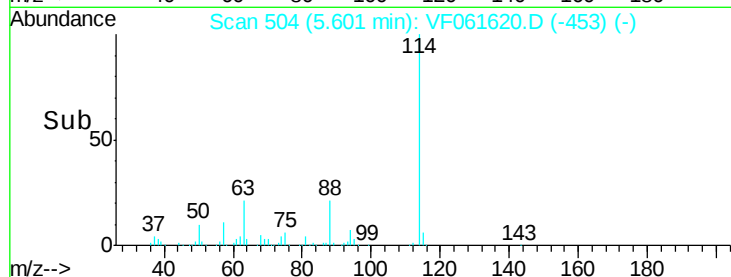
150000

100000

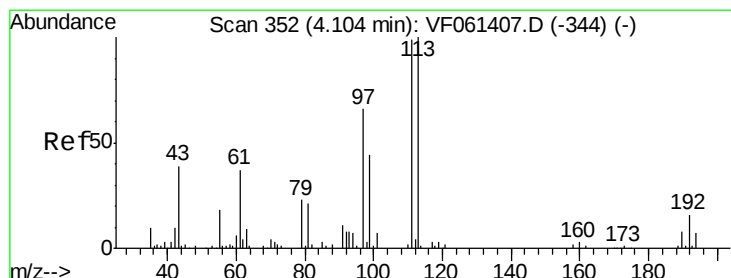
50000

0

5.40 5.50 5.60 5.70 5.80



Time-->



#35

Dibromofluoromethane

Concen: 51.974 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.02 min

Lab File: VF061620.D

Acq: 12 Feb 2019 20:33

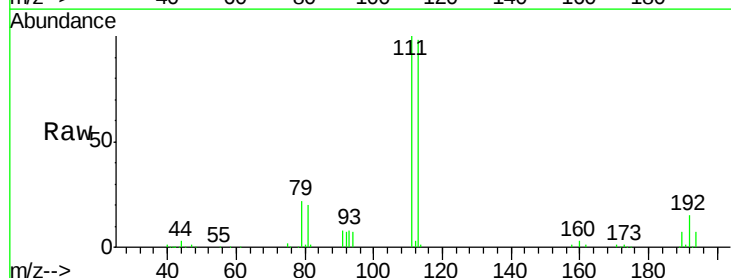
Tgt Ion:113 Resp: 147071

Ion Ratio Lower Upper

113 100

111 102.0 79.4 119.0

192 15.7 12.4 18.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

60000

50000

40000

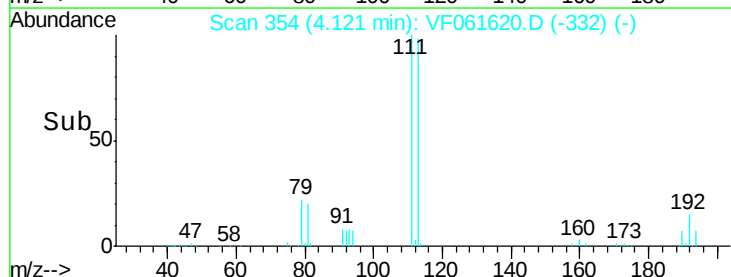
30000

20000

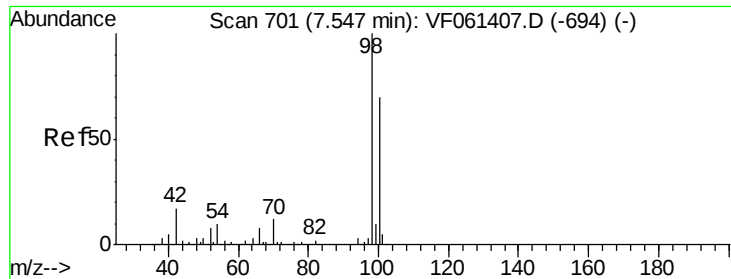
10000

0

4.00 4.10 4.20 4.30



Time-->



#50

Toluene-d8

Concen: 43.221 ug/l

RT: 7.55 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF061620.D

Acq: 12 Feb 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

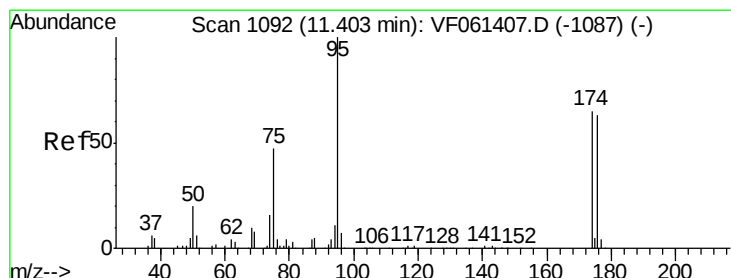
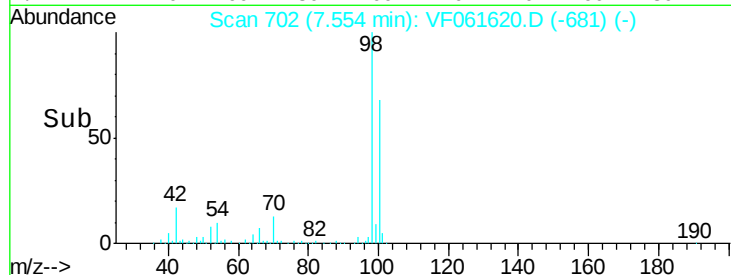
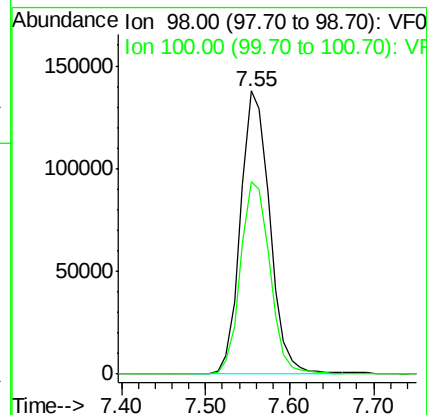
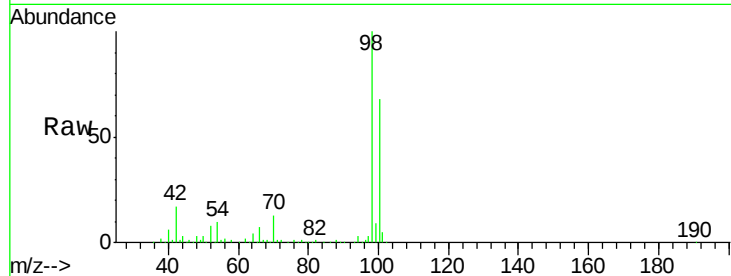
JC-02-021119-N

Tot Ion: 98 Resp: 335087

Ion Ratio Lower Upper

98 100

100 68.2 55.6 83.4



#62

4-Bromofluorobenzene

Concen: 41.956 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061620.D

Acq: 12 Feb 2019 20:33

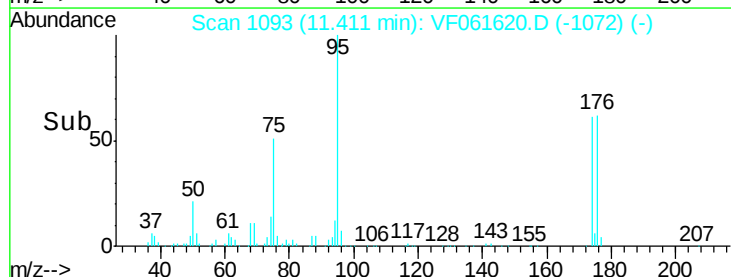
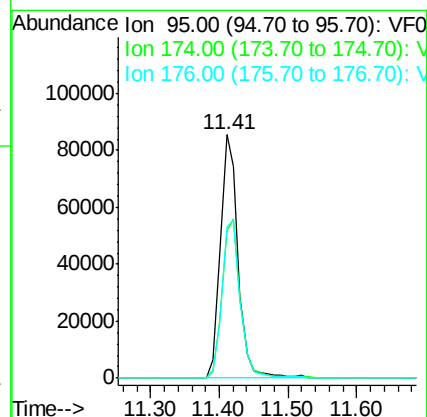
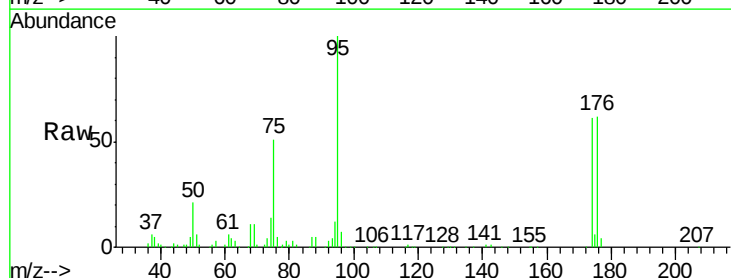
Tgt Ion: 95 Resp: 151982

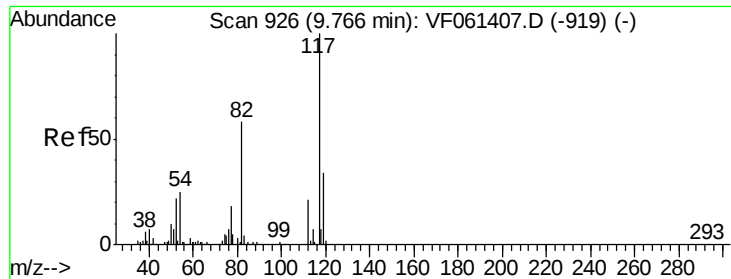
Ion Ratio Lower Upper

95 100

174 60.8 0.0 130.4

176 62.2 0.0 126.2

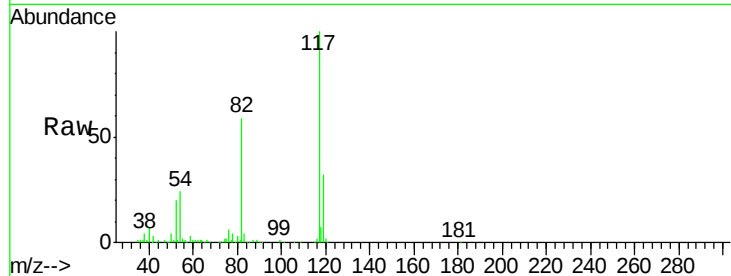




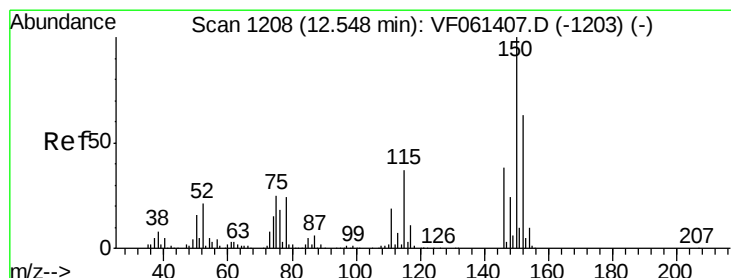
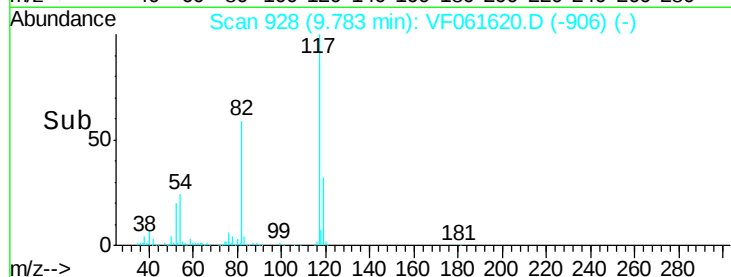
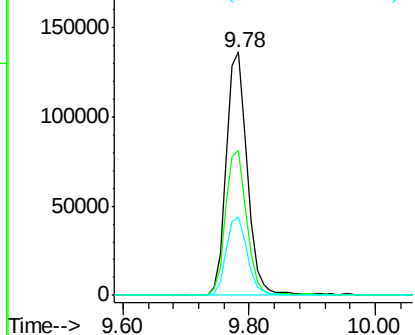
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.02 min
Lab File: VF061620.D
Acq: 12 Feb 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :
JC-02-021119-N

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	46.4	69.6
119	32.2	27.2	40.8

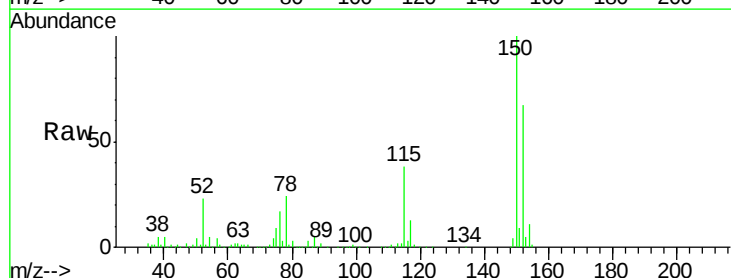


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

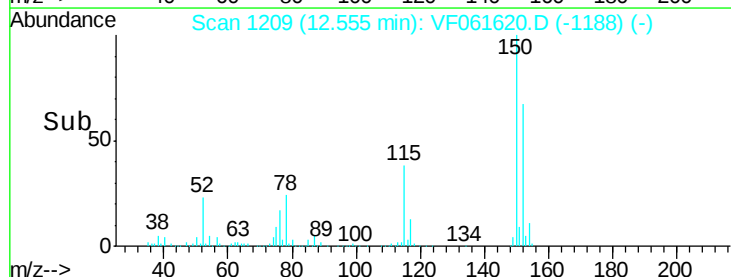
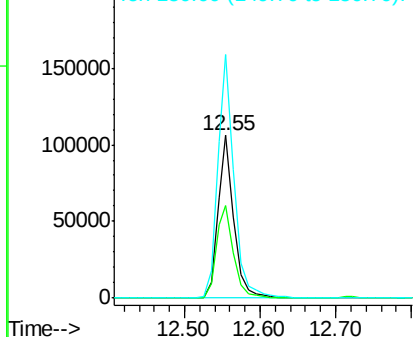


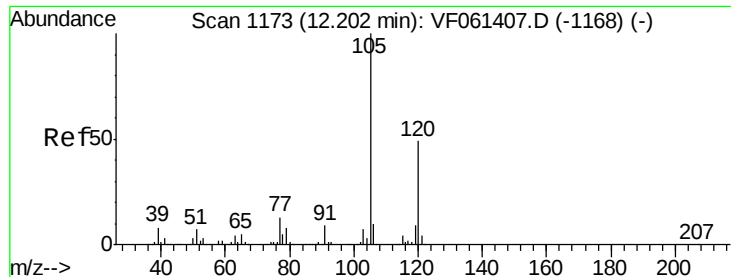
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061620.D
Acq: 12 Feb 2019 20:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	30.0	90.0
150	149.7	0.0	321.4



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V

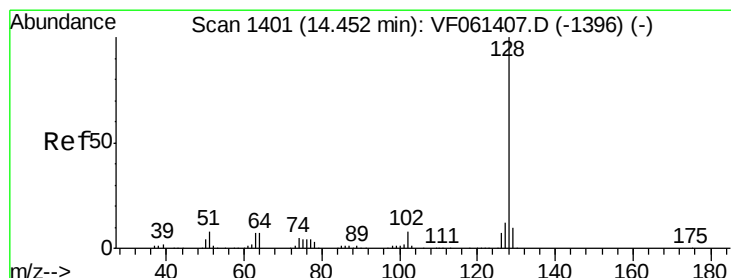
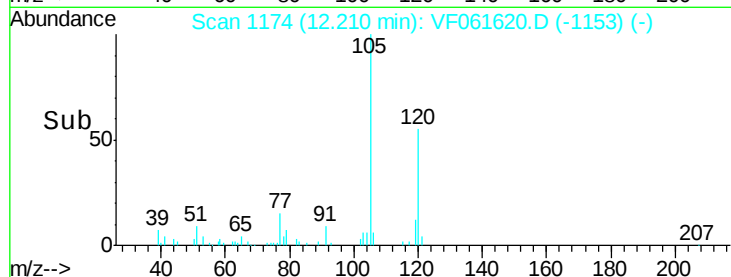
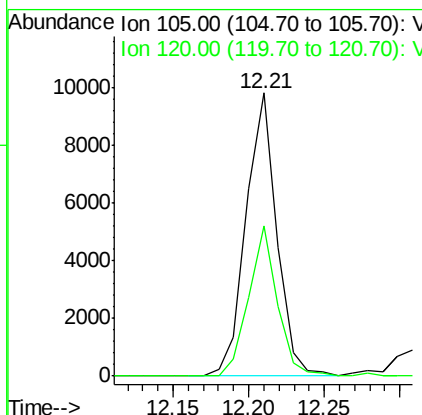
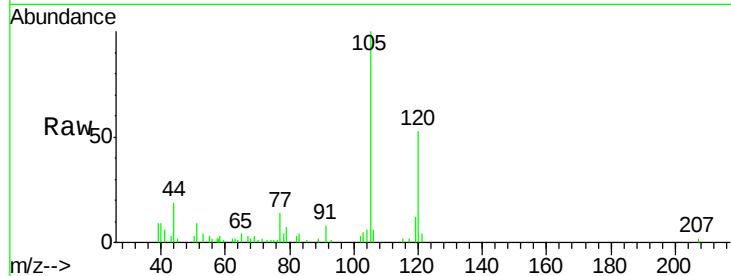




#84
 1,2,4-Trimethylbenzene
 Concen: 1.310 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF061620.D
 Acq: 12 Feb 2019 20:33

Instrument :
 MSVOA_F
 ClientSampleId :
 JC-02-021119-N

Tot Ion:105 Resp: 13893
 Ion Ratio Lower Upper
 105 100
 120 53.2 24.9 74.6



#95
 Naphthalene
 Concen: 1.007 ug/l
 RT: 14.46 min Scan# 1402
 Delta R.T. 0.01 min
 Lab File: VF061620.D
 Acq: 12 Feb 2019 20:33

Tgt Ion:128 Resp: 6759
 Ion Ratio Lower Upper
 128 100
 127 13.2 9.5 14.3
 129 22.1 8.4 12.6#

