

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011619\
 Data File : VF061422.D
 Acq On : 16 Jan 2019 20:10
 Operator : VA/AP
 Sample : K1167-03RE
 Misc : 5.92g/5mL/MSVOA-F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 JDHS-NORTH-2RE

Quant Time: Jan 17 02:56:37 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	4.86	168	226905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	385183	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	335060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	147093	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	118928	42.45	ug/l	0.00
Spiked Amount			Recovery	=	84.90%	
35) Dibromofluoromethane	4.11	113	143609	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
50) Toluene-d8	7.54	98	369853	44.41	ug/l	0.00
Spiked Amount			Recovery	=	88.82%	
62) 4-Bromofluorobenzene	11.41	95	153580	39.47	ug/l	0.00
Spiked Amount			Recovery	=	78.94%	

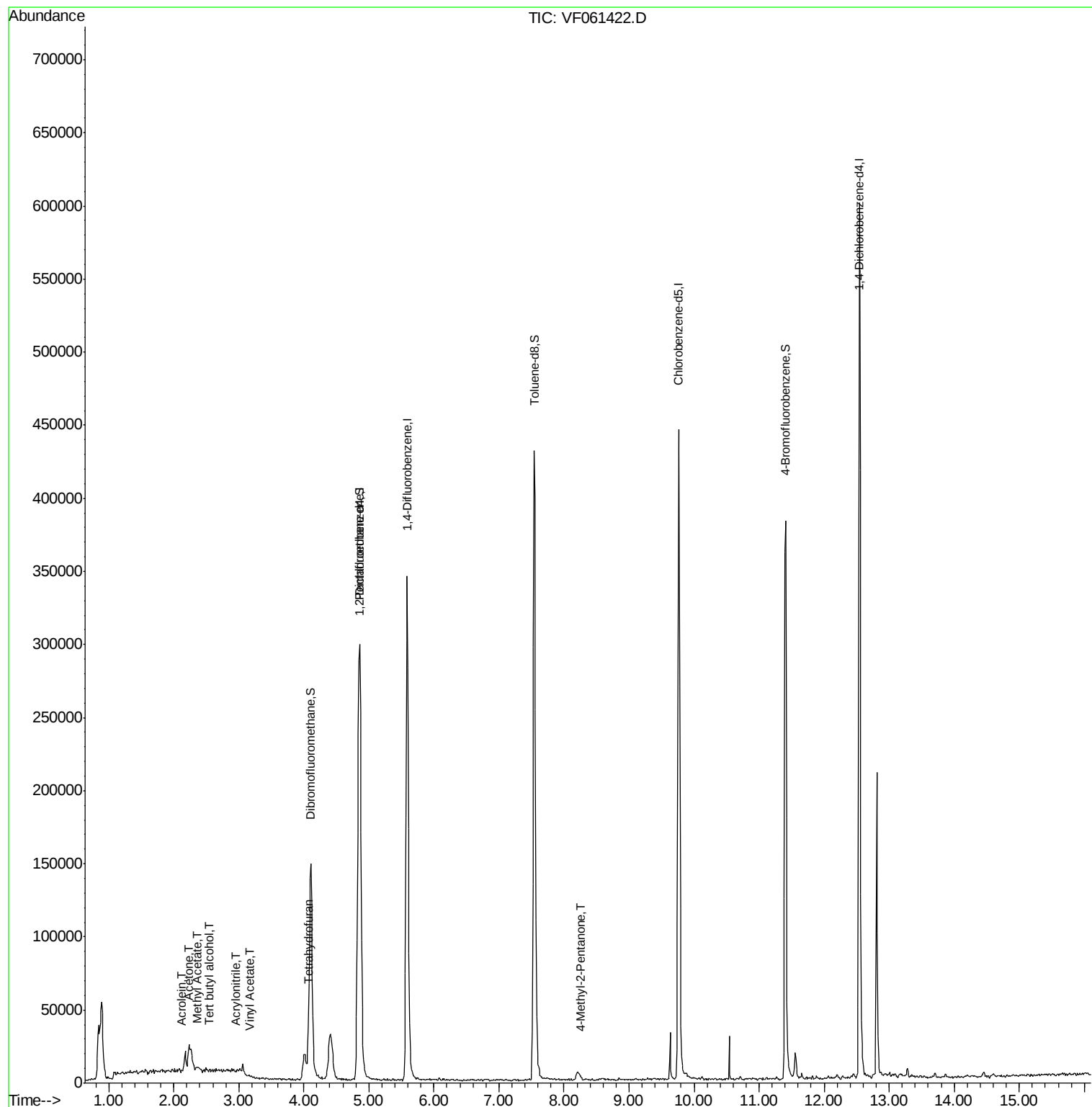
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.55	59	159	1.341	ug/l #	1
13) Acrolein	2.12	56	200	12.214	ug/l	97
14) Allyl chloride	2.09	41	600	Below Cal	#	46
15) Acrylonitrile	2.95	53	385	1.268	ug/l #	17
16) Acetone	2.23	43	19547	34.781	ug/l	97
18) Methyl Acetate	2.36	43	2877	2.581	ug/l #	61
23) Vinyl Acetate	3.16	43	1229	3.578	ug/l #	78
29) Tetrahydrofuran	4.06	42	648	1.610	ug/l #	79
49) 1,4-Dioxane	6.37	88	63	Below Cal	#	13
51) 4-Methyl-2-Pentanone	8.25	43	1938	1.177	ug/l #	84

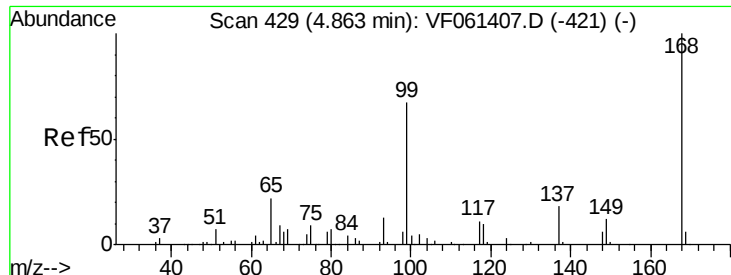
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011619\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061422.D

Acq: 16 Jan 2019 20:10

Instrument :

MSVOA_F

ClientSampleId :

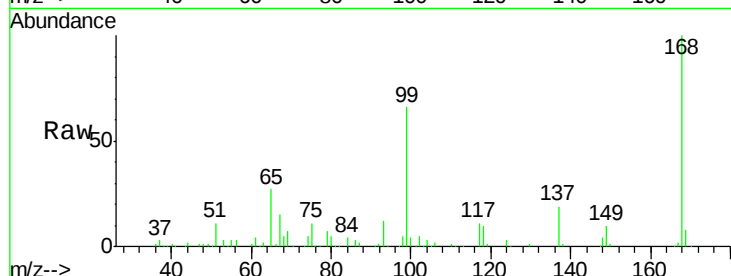
JDHS-NORTH-2RE

Tot Ion:168 Resp: 226905

Ion Ratio Lower Upper

168 100

99 66.4 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

60000

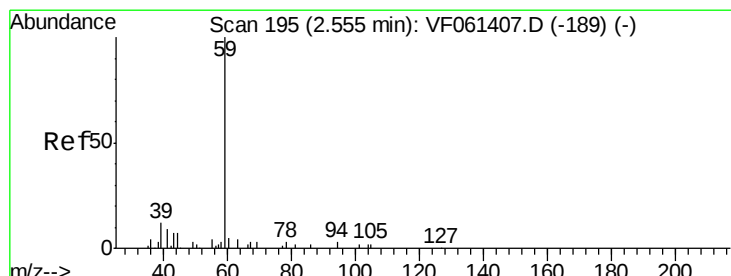
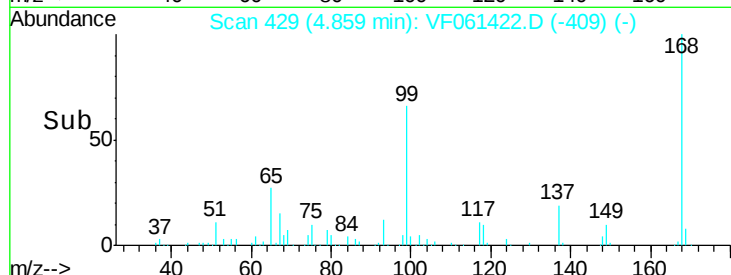
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#11

Tert butyl alcohol

Concen: 1.341 ug/l

RT: 2.55 min Scan# 195

Delta R.T. -0.00 min

Lab File: VF061422.D

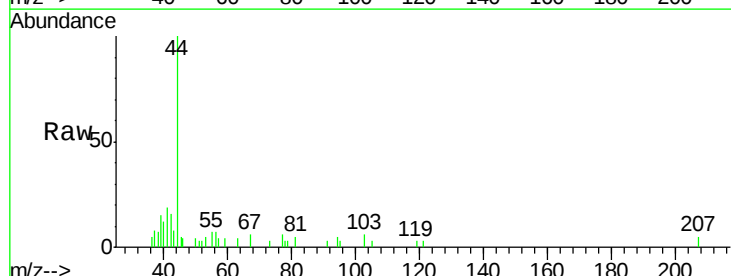
Acq: 16 Jan 2019 20:10

Tgt Ion: 59 Resp: 159

Ion Ratio Lower Upper

59 100

57 101.5 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

200

150

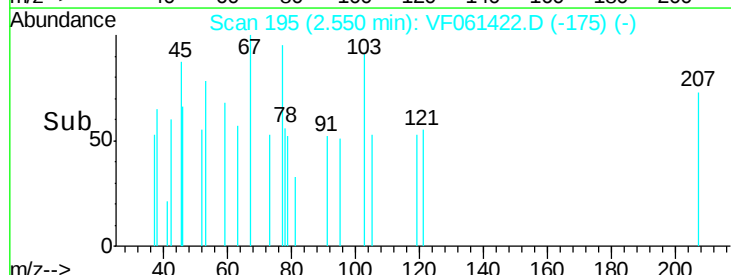
100

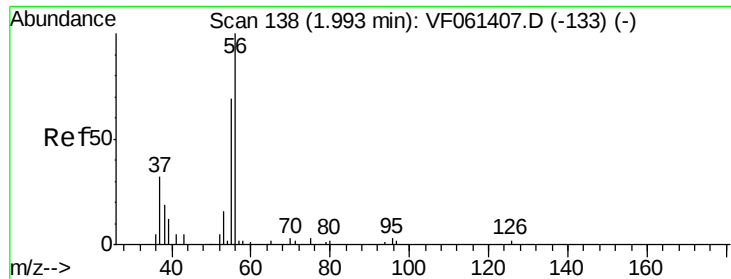
50

0

2.52 2.54 2.56 2.58

Time-->

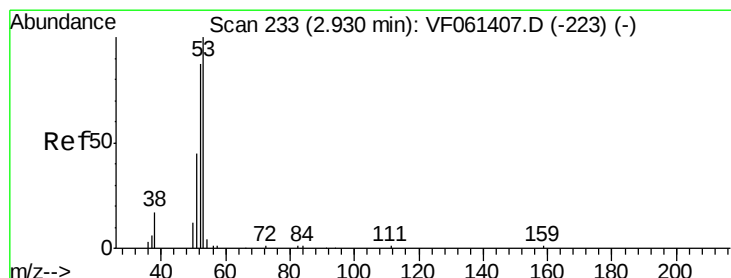
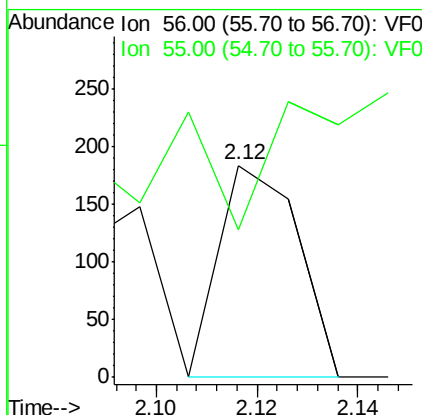
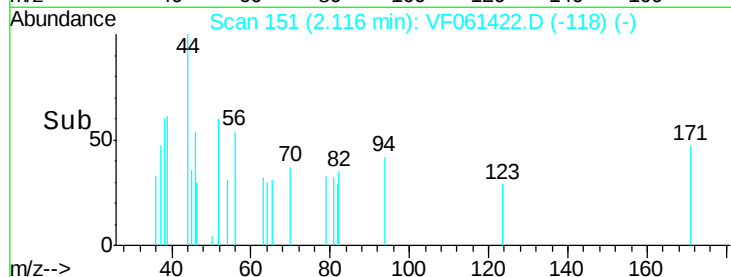
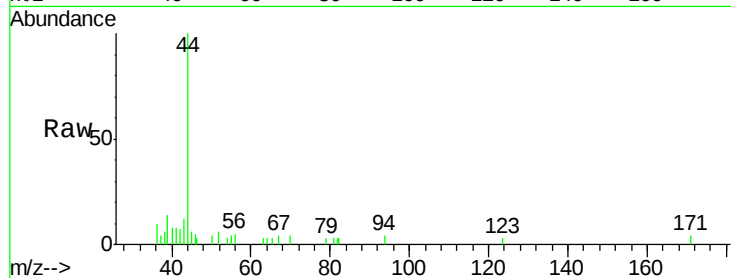




#13
Acrolein
Concen: 12.214 ug/l
RT: 2.12 min Scan# 151
Delta R.T. 0.12 min
Lab File: VF061422.D
Acq: 16 Jan 2019 20:10

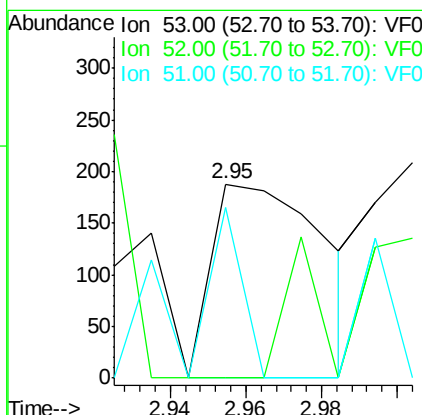
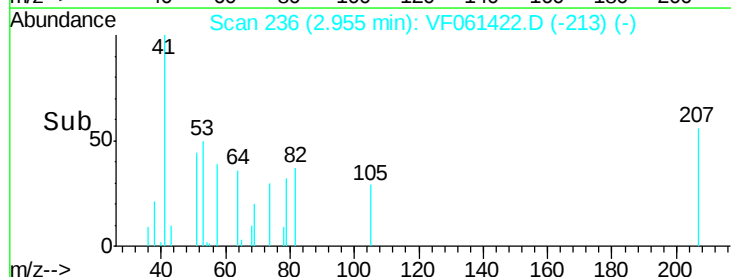
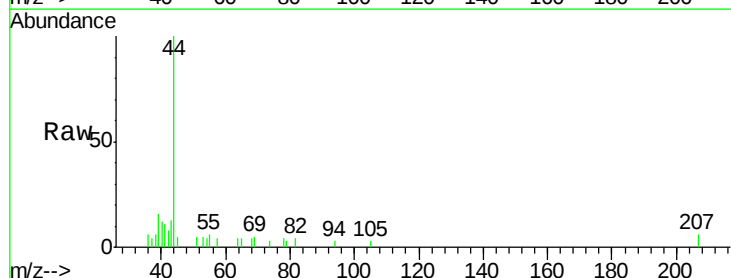
Instrument :
MSVOA_F
ClientSampleId :
JDHS-NORTH-2RE

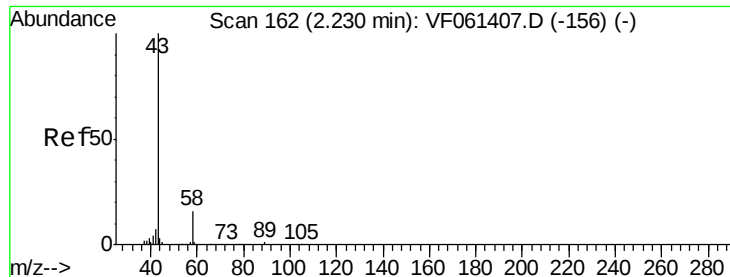
Tot Ion: 56 Resp: 200
Ion Ratio Lower Upper
56 100
55 69.4 57.5 86.3



#15
Acrylonitrile
Concen: 1.268 ug/l
RT: 2.95 min Scan# 236
Delta R.T. 0.02 min
Lab File: VF061422.D
Acq: 16 Jan 2019 20:10

Tgt Ion: 53 Resp: 385
Ion Ratio Lower Upper
53 100
52 0.0 69.6 104.4#
51 87.8 36.8 55.2#





#16

Acetone

Concen: 34.781 ug/l

RT: 2.23 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061422.D

Acq: 16 Jan 2019 20:10

Instrument :

MSVOA_F

ClientSampleId :

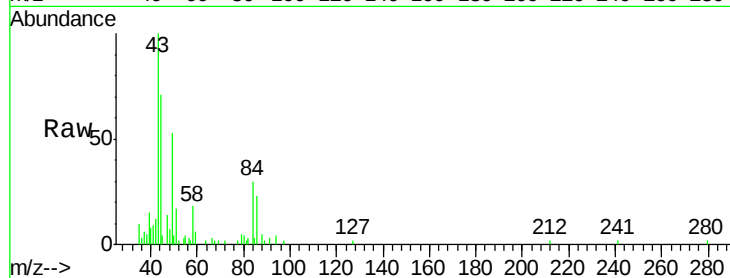
JDHS-NORTH-2RE

Tot Ion: 43 Resp: 19547

Ion Ratio Lower Upper

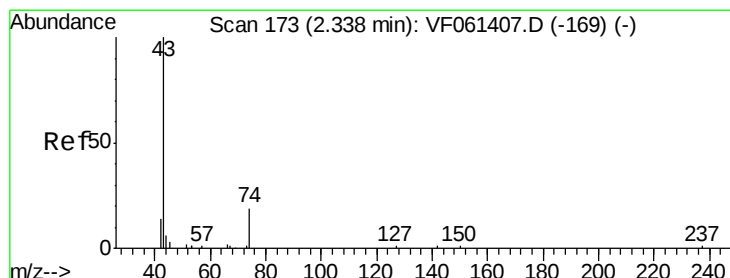
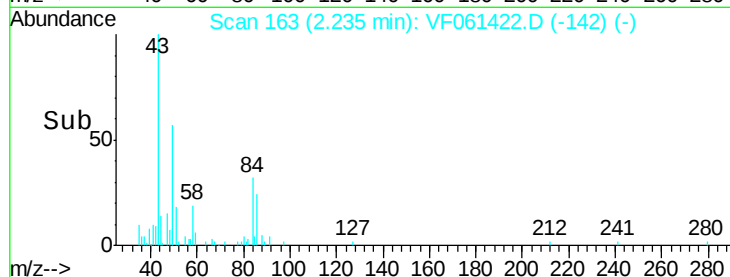
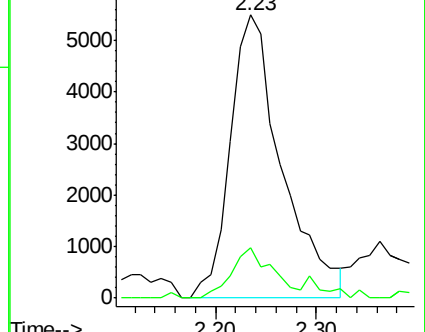
43 100

58 18.0 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 2.581 ug/l

RT: 2.36 min Scan# 176

Delta R.T. 0.02 min

Lab File: VF061422.D

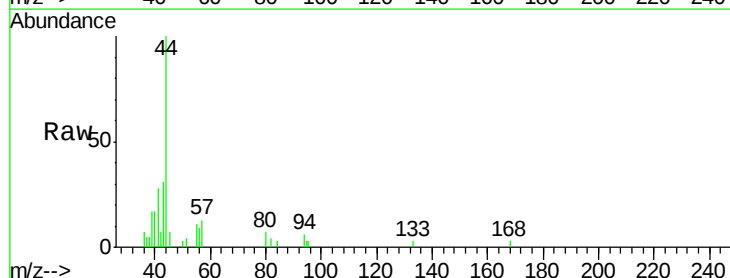
Acq: 16 Jan 2019 20:10

Tgt Ion: 43 Resp: 2877

Ion Ratio Lower Upper

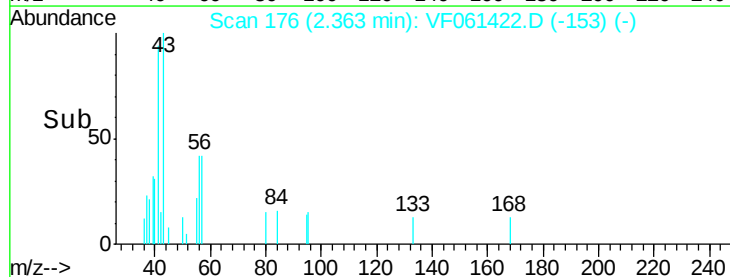
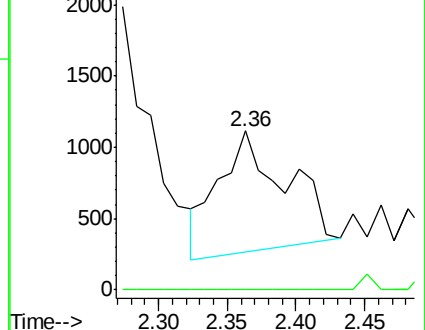
43 100

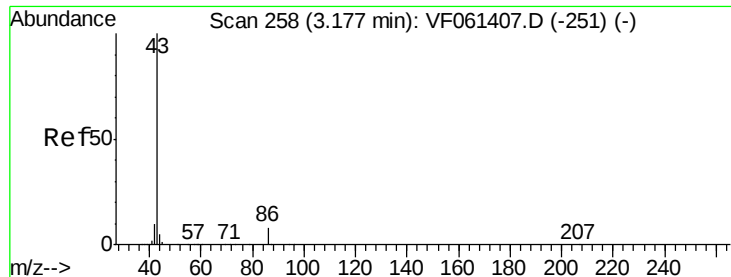
74 0.0 13.4 20.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#23

Vinyl Acetate

Concen: 3.578 ug/l

RT: 3.16 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF061422.D

Acq: 16 Jan 2019 20:10

Instrument :

MSVOA_F

ClientSampleId :

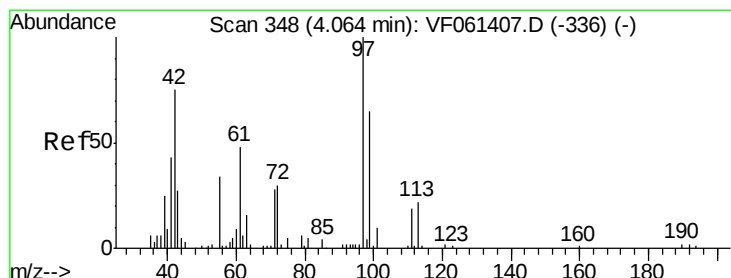
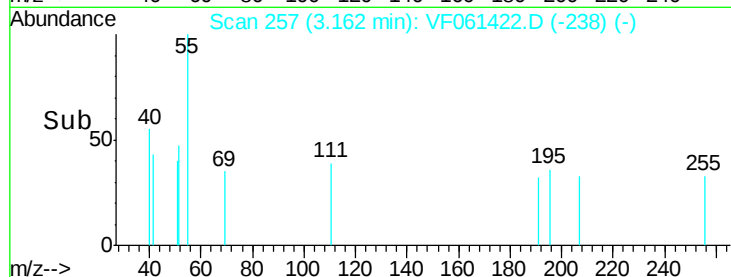
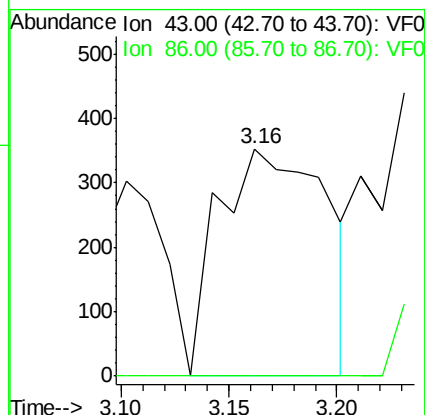
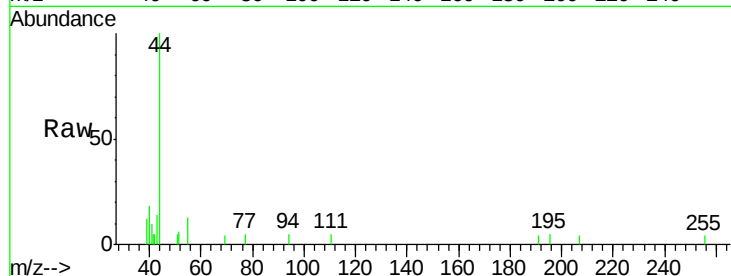
JDHS-NORTH-2RE

Tot Ion: 43 Resp: 1229

Ion Ratio Lower Upper

43 100

86 0.0 6.2 9.4#



#29

Tetrahydrofuran

Concen: 1.610 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.00 min

Lab File: VF061422.D

Acq: 16 Jan 2019 20:10

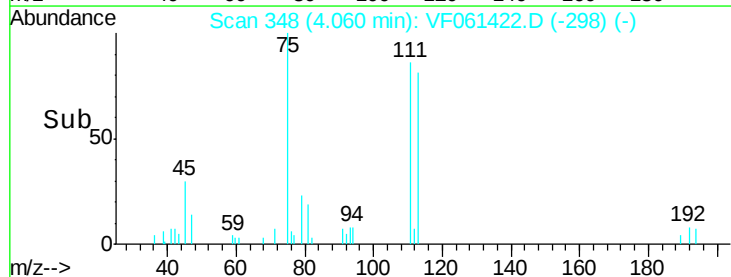
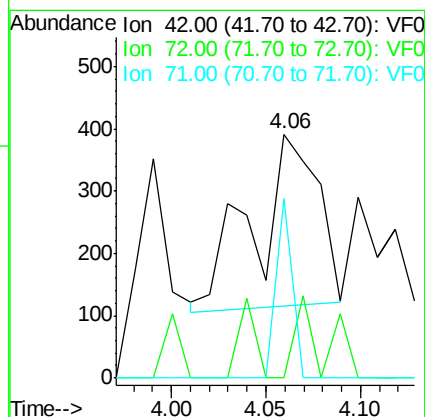
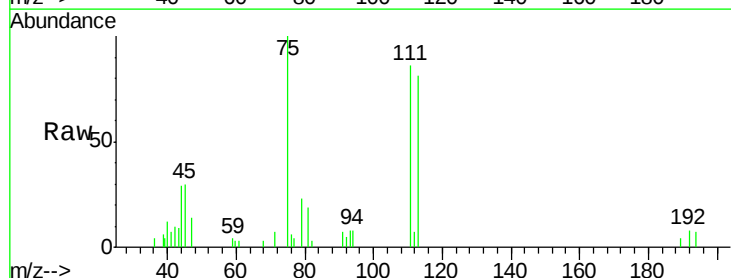
Tgt Ion: 42 Resp: 648

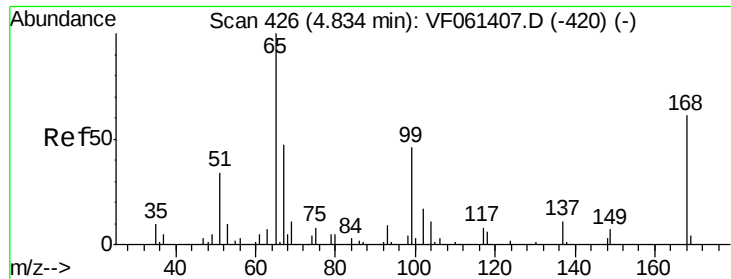
Ion Ratio Lower Upper

42 100

72 21.5 28.9 43.3#

71 26.4 29.6 44.4#





#33

1,2-Dichloroethane-d4

Concen: 42.453 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.00 min

Lab File: VF061422.D

Acq: 16 Jan 2019 20:10

Instrument :

MSVOA_F

ClientSampleId :

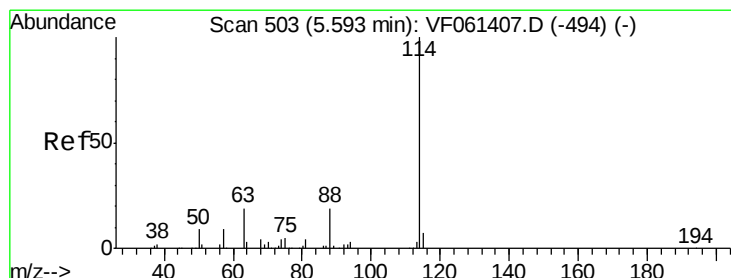
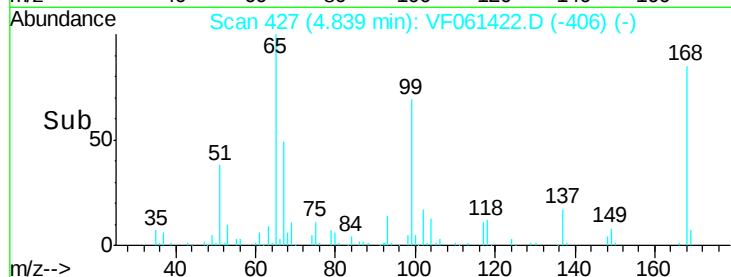
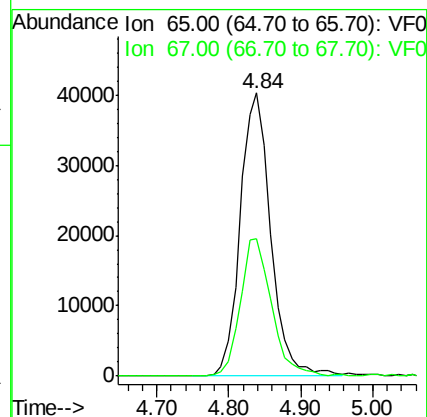
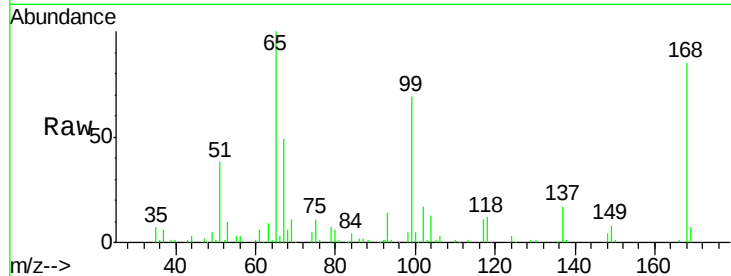
JDHS-NORTH-2RE

Tot Ion: 65 Resp: 118928

Ion Ratio Lower Upper

65 100

67 48.5 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061422.D

Acq: 16 Jan 2019 20:10

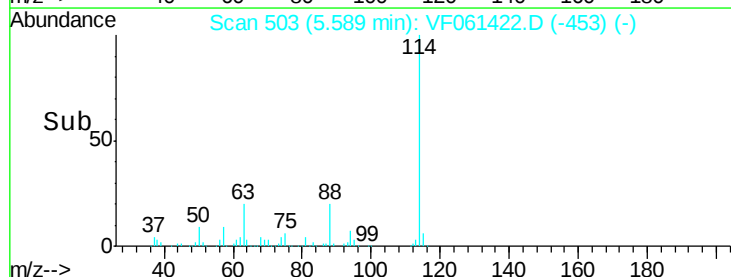
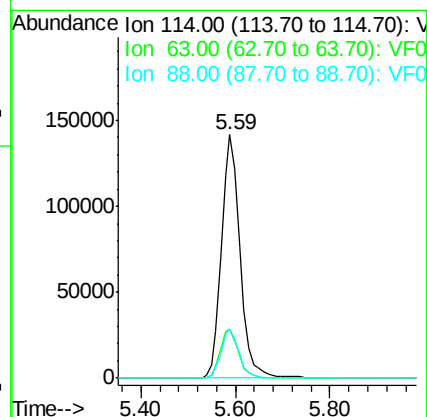
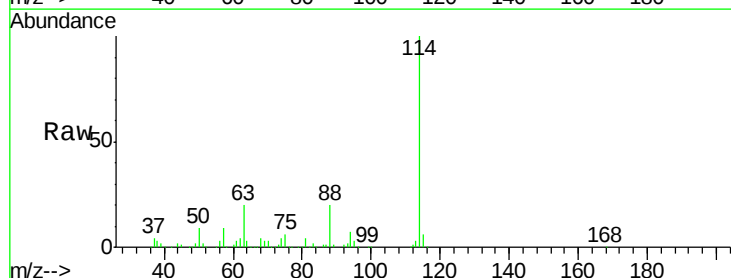
Tgt Ion: 114 Resp: 385183

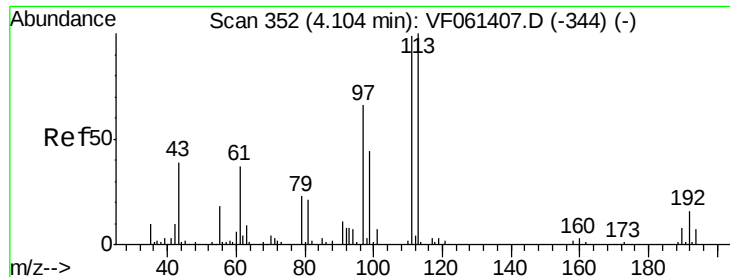
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

88 20.2 0.0 37.4

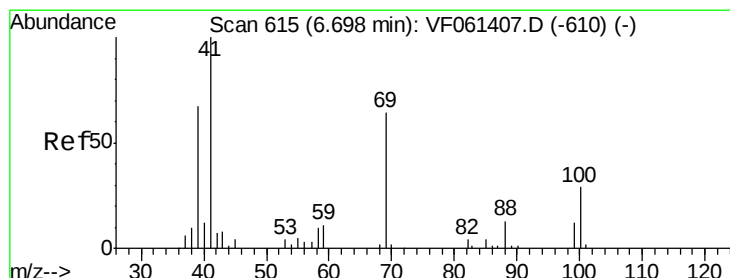
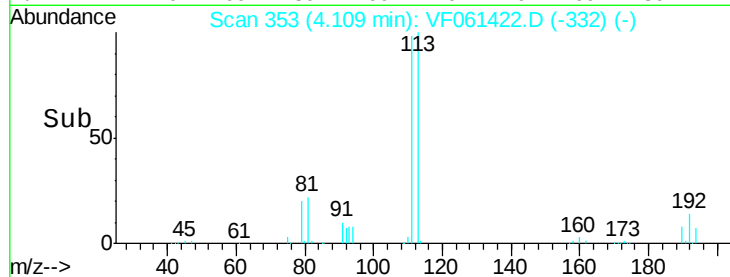
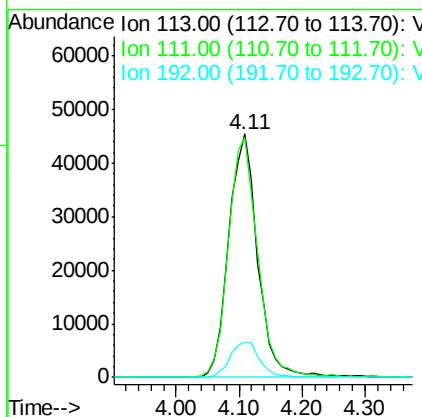
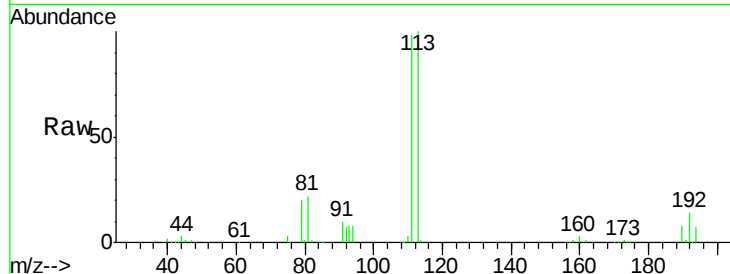




#35
 Dibromofluoromethane
 Concen: 47.249 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VF061422.D
 Acq: 16 Jan 2019 20:10

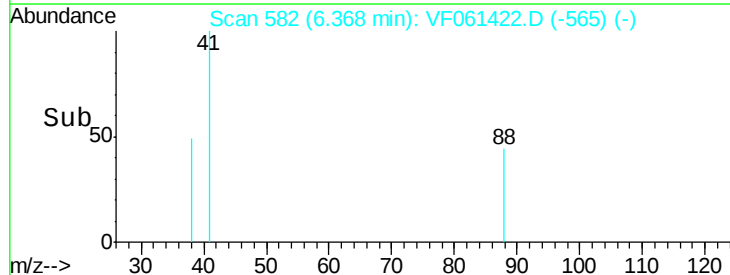
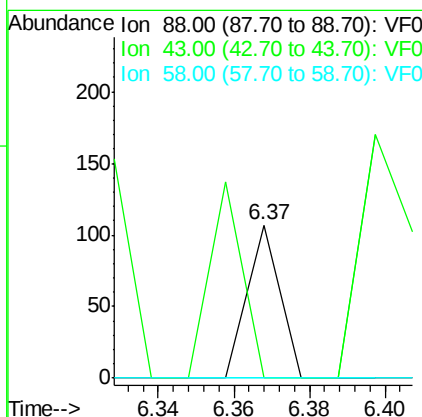
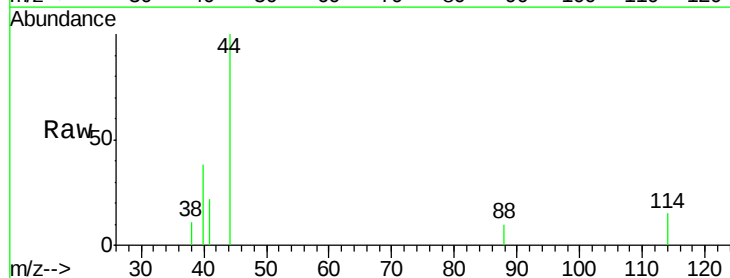
Instrument :
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 JDHS-NORTH-2RE

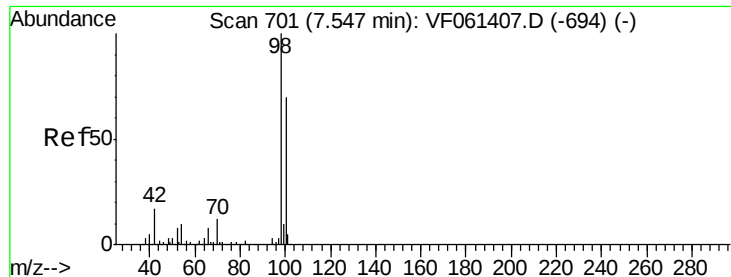
Tot Ion:113 Resp: 143609
 Ion Ratio Lower Upper
 113 100
 111 98.4 79.4 119.0
 192 14.6 12.4 18.6



#49
 1,4-Dioxane
 Concen: Below Cal
 RT: 6.37 min Scan# 582
 Delta R.T. -0.33 min
 Lab File: VF061422.D
 Acq: 16 Jan 2019 20:10

Tgt Ion: 88 Resp: 63
 Ion Ratio Lower Upper
 88 100
 43 0.0 55.5 83.3#
 58 0.0 59.9 89.9#





#50

Toluene-d8

Concen: 44.414 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF061422.D

Acq: 16 Jan 2019 20:10

Instrument :

MSVOA_F

ClientSampleId :

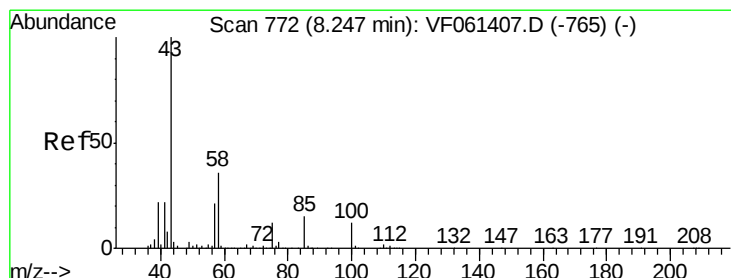
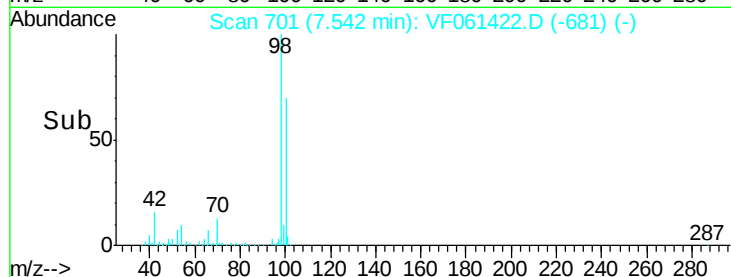
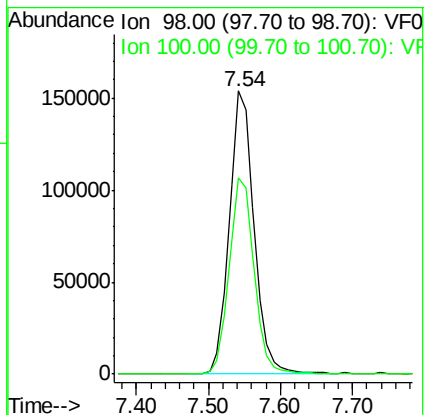
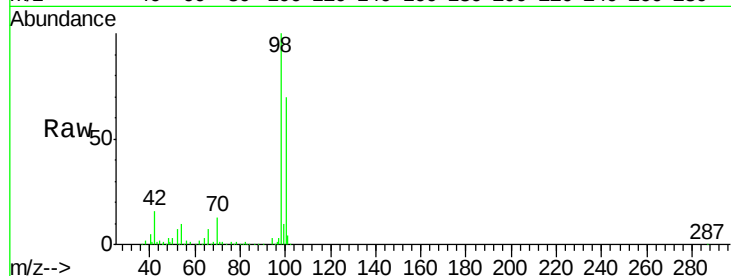
JDHS-NORTH-2RE

Tot Ion: 98 Resp: 369853

Ion Ratio Lower Upper

98 100

100 69.6 55.6 83.4



#51

4-Methyl-2-Pentanone

Concen: 1.177 ug/l

RT: 8.25 min Scan# 773

Delta R.T. 0.00 min

Lab File: VF061422.D

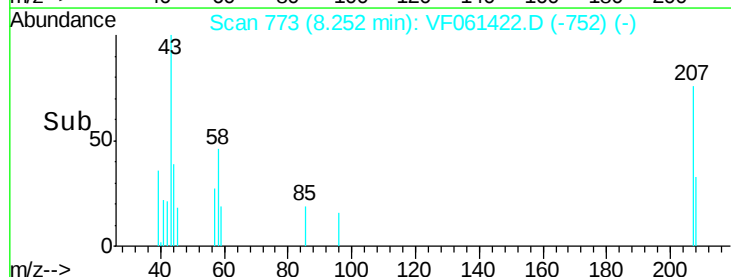
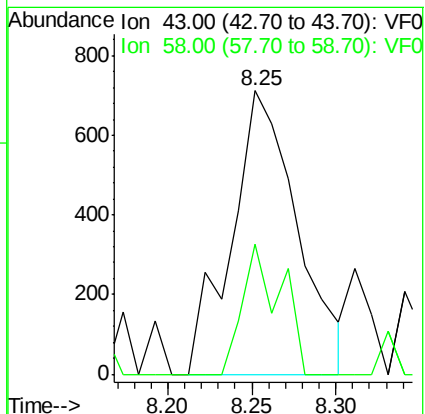
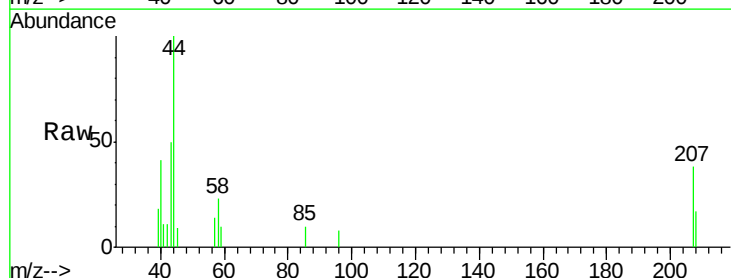
Acq: 16 Jan 2019 20:10

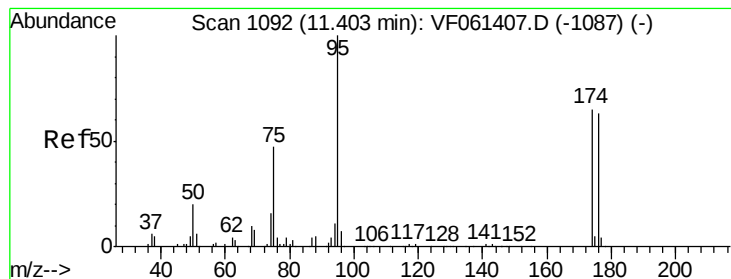
Tgt Ion: 43 Resp: 1938

Ion Ratio Lower Upper

43 100

58 45.6 28.8 43.2#





#62

4-Bromofluorobenzene

Concen: 39.472 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061422.D

Acq: 16 Jan 2019 20:10

Instrument :

MSVOA_F

ClientSampleId :

JDHS-NORTH-2RE

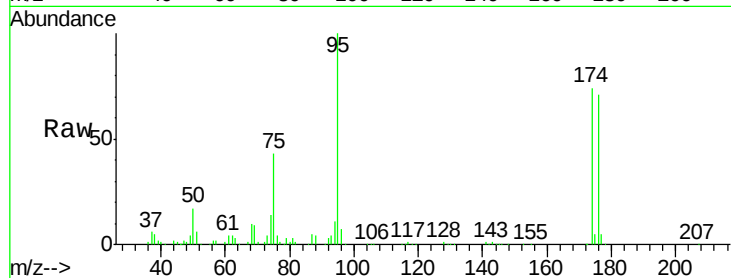
Tot Ion: 95 Resp: 153580

Ion Ratio Lower Upper

95 100

174 74.0 0.0 130.4

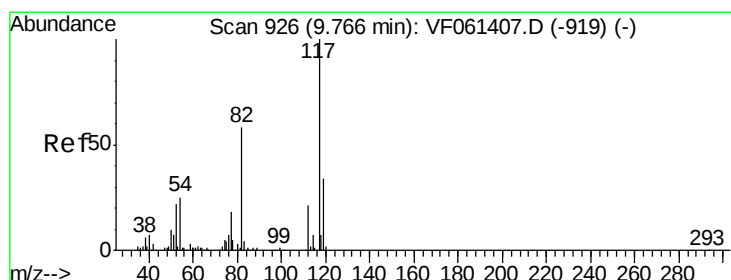
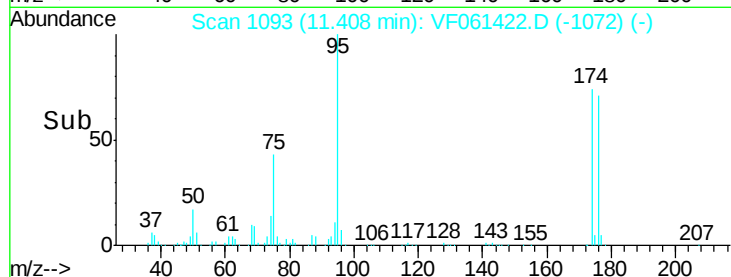
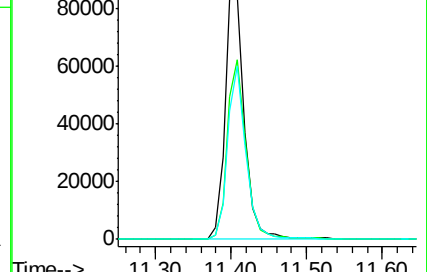
176 71.4 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF061407.D (-1087) (-)

Ion 174.00 (173.70 to 174.70): VF061407.D (-1087) (-)

Ion 176.00 (175.70 to 176.70): VF061407.D (-1087) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.00 min

Lab File: VF061422.D

Acq: 16 Jan 2019 20:10

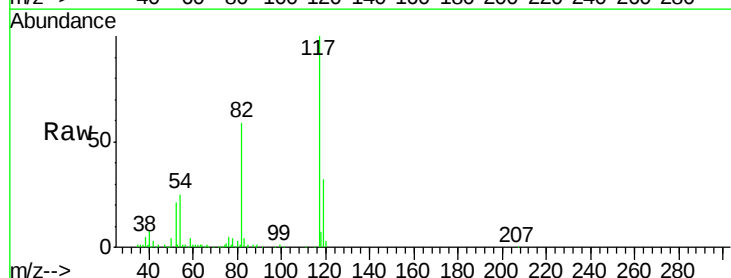
Tgt Ion: 117 Resp: 335060

Ion Ratio Lower Upper

117 100

82 58.8 46.4 69.6

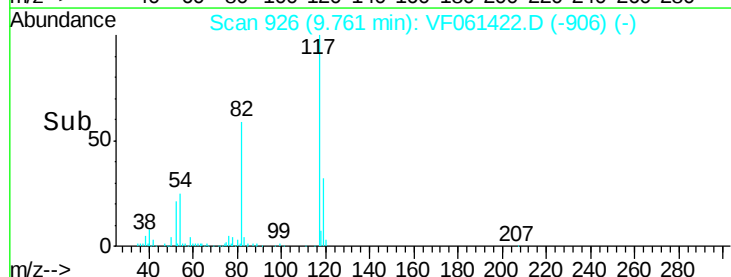
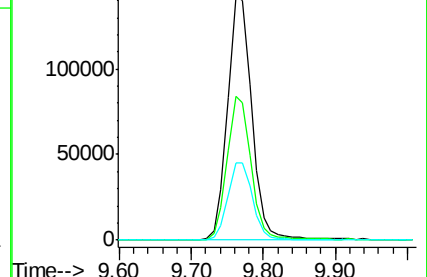
119 31.7 27.2 40.8

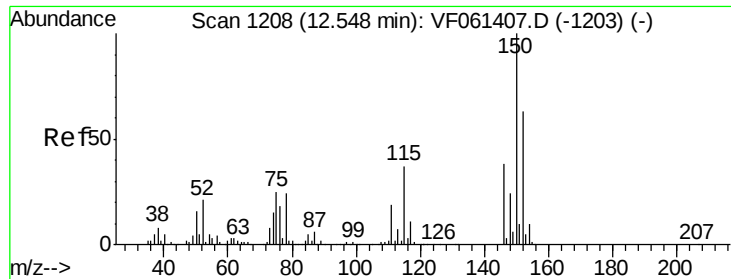


Abundance Ion 117.00 (116.70 to 117.70): VF061407.D (-919) (-)

Ion 82.00 (81.70 to 82.70): VF061407.D (-919) (-)

Ion 119.00 (118.70 to 119.70): VF061407.D (-919) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061422.D

Acq: 16 Jan 2019 20:10

Instrument :

MSVOA_F

ClientSampleId :

JDHS-NORTH-2RE

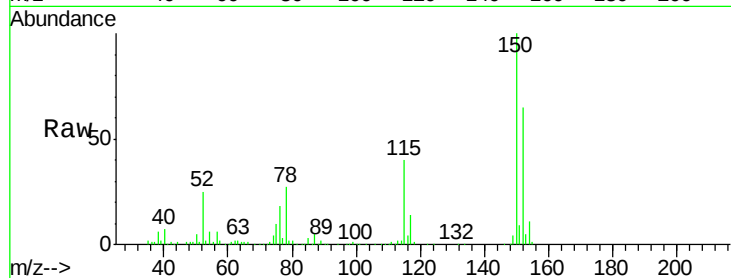
Tot Ion:152 Resp: 147093

Ion Ratio Lower Upper

152 100

115 61.4 30.0 90.0

150 154.3 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

