

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011119\
 Data File : VF061372.D
 Acq On : 11 Jan 2019 17:08
 Operator : VA/AP
 Sample : K1011-03
 Misc : 6.24g/5mL/MSVOA-F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-02-011019-B

Quant Time: Jan 12 03:33:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	166219	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	308565	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	278659	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	113506	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	96268	52.03	ug/l	-0.02
Spiked Amount			Recovery	=	104.06%	
35) Dibromofluoromethane	4.10	113	115888	49.08	ug/l	-0.01
Spiked Amount			Recovery	=	98.16%	
50) Toluene-d8	7.53	98	275899	39.49	ug/l	-0.03
Spiked Amount			Recovery	=	78.98%	
62) 4-Bromofluorobenzene	11.40	95	122245	40.07	ug/l	-0.01
Spiked Amount			Recovery	=	80.14%	

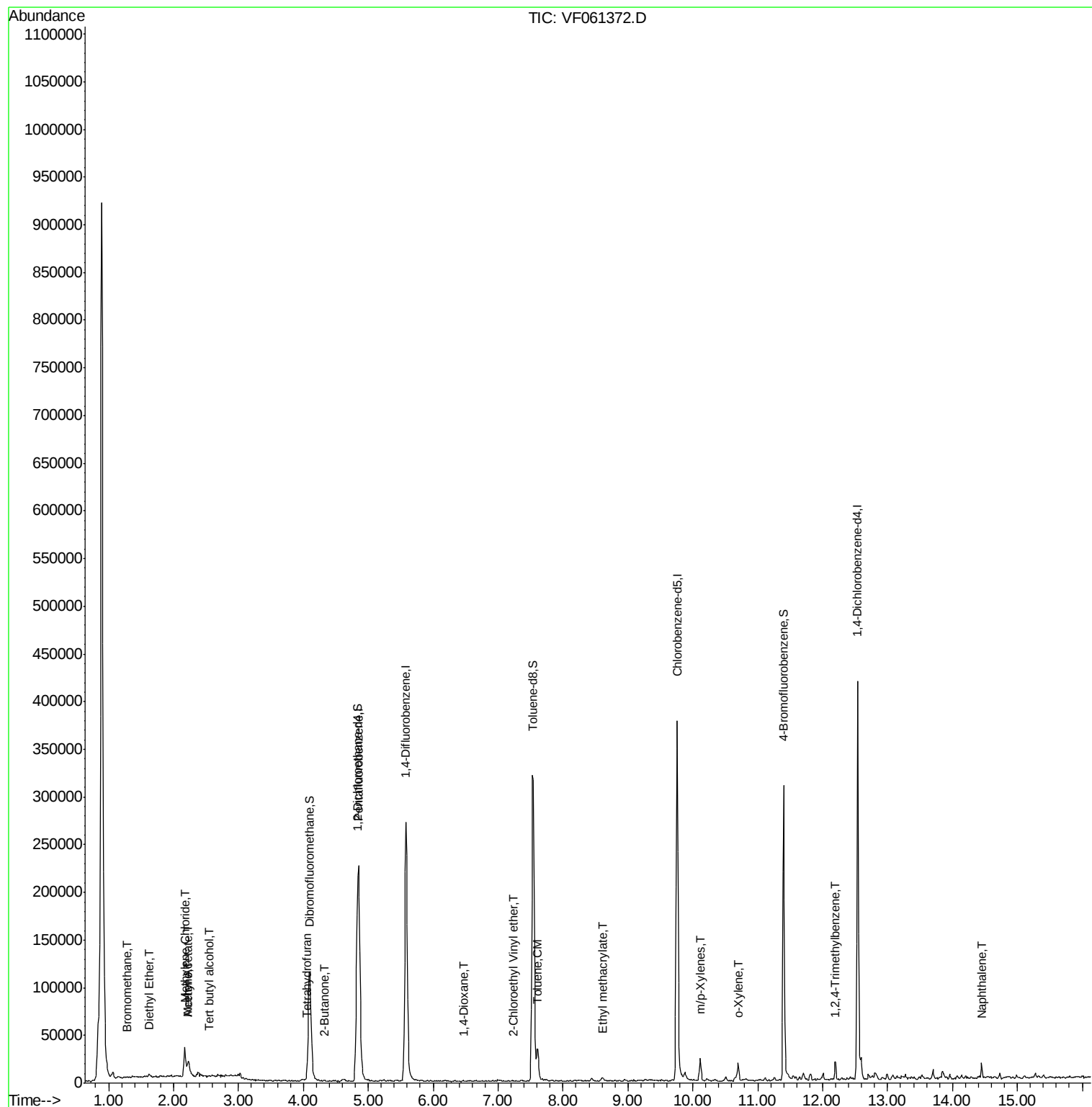
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.29	94	530	3.148	ug/l #	6
8) Diethyl Ether	1.62	74	1219	2.007	ug/l	89
11) Tert butyl alcohol	2.56	59	114	1.539	ug/l #	58
13) Acrolein	2.15	56	197	Below Cal		93
16) Acetone	2.23	43	18799	43.680	ug/l	97
18) Methyl Acetate	2.23	43	18799	22.201	ug/l #	65
20) Methylene Chloride	2.18	84	15291	8.398	ug/l	92
25) 2-Butanone	4.32	43	948	1.369	ug/l #	56
29) Tetrahydrofuran	4.05	42	858	2.962	ug/l #	64
49) 1,4-Dioxane	6.46	88	93	13.107	ug/l #	19
52) Toluene	7.61	92	17505	3.237	ug/l	99
56) Ethyl methacrylate	8.60	69	1716	1.015	ug/l #	85
58) 2-Chloroethyl Vinyl ether	7.23	63	81	1.124	ug/l #	56
68) m/p-Xylenes	10.12	106	7625	2.015	ug/l	81
69) o-Xylene	10.70	106	5081	1.202	ug/l	80
84) 1,2,4-Trimethylbenzene	12.20	105	9655	1.224	ug/l	85
95) Naphthalene	14.45	128	9527	1.983	ug/l #	94

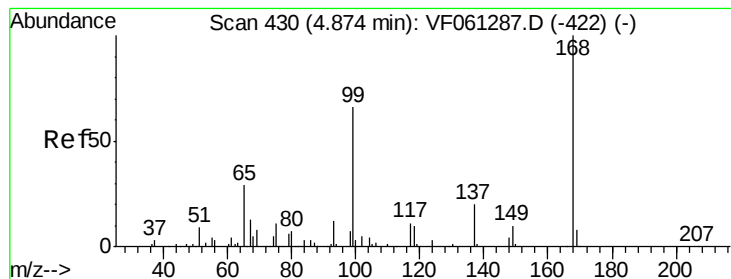
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011119\
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Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061372.D

Acq: 11 Jan 2019 17:08

Instrument :

MSVOA_F

ClientSampleId :

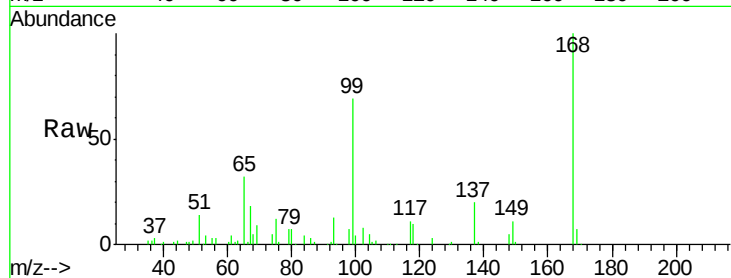
OR-02-011019-B

Tot Ion:168 Resp: 166219

Ion Ratio Lower Upper

168 100

99 68.8 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

50000

40000

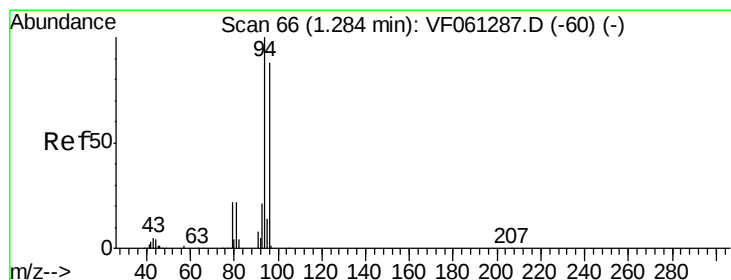
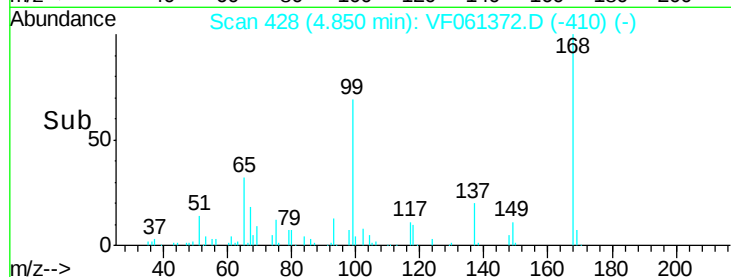
30000

20000

10000

0

Time-->



#5

Bromomethane

Concen: 3.148 ug/l

RT: 1.29 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF061372.D

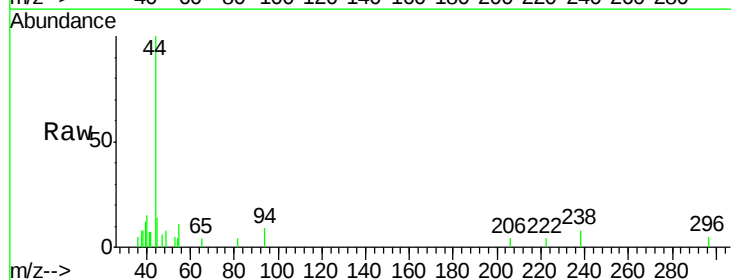
Acq: 11 Jan 2019 17:08

Tgt Ion: 94 Resp: 530

Ion Ratio Lower Upper

94 100

96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.29

250

200

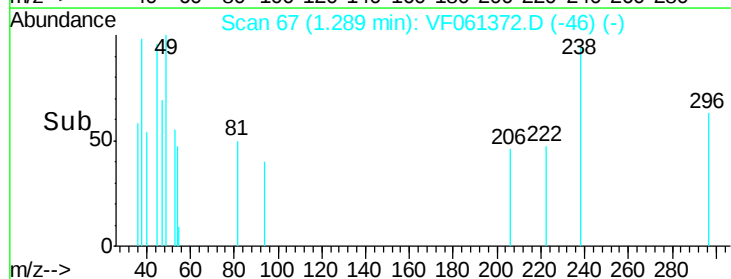
150

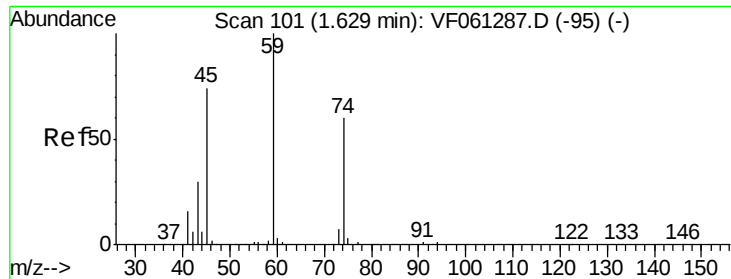
100

50

0

Time-->





#8

Diethyl Ether

Concen: 2.007 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF061372.D

Acq: 11 Jan 2019 17:08

Instrument :

MSVOA_F

ClientSampleId :

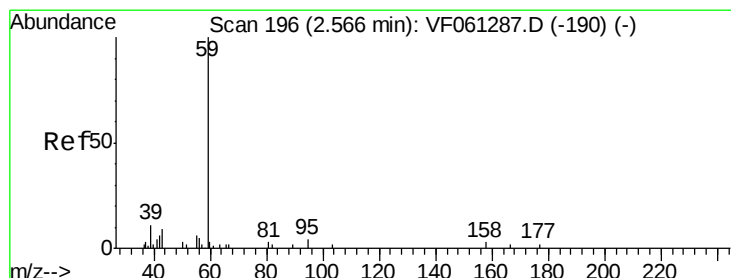
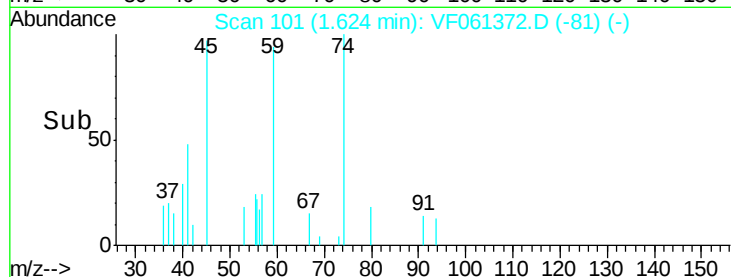
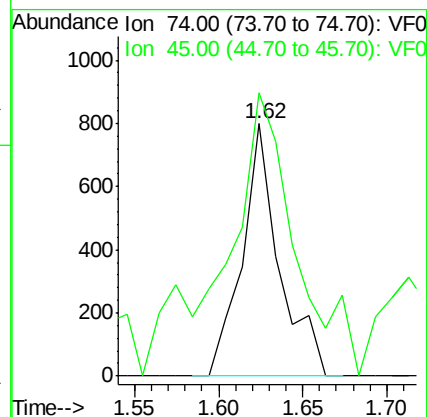
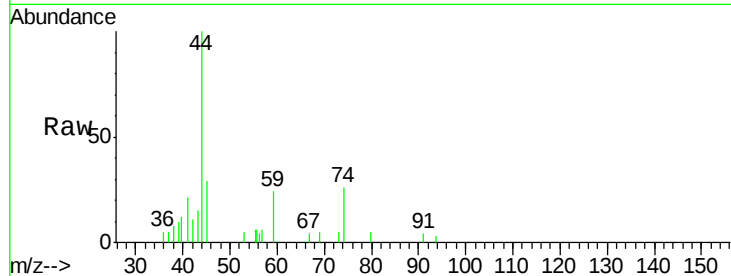
OR-02-011019-B

Tot Ion: 74 Resp: 1219

Ion Ratio Lower Upper

74 100

45 112.1 62.1 186.3



#11

Tert butyl alcohol

Concen: 1.539 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.00 min

Lab File: VF061372.D

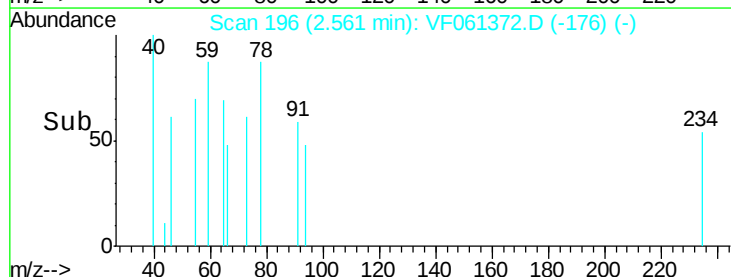
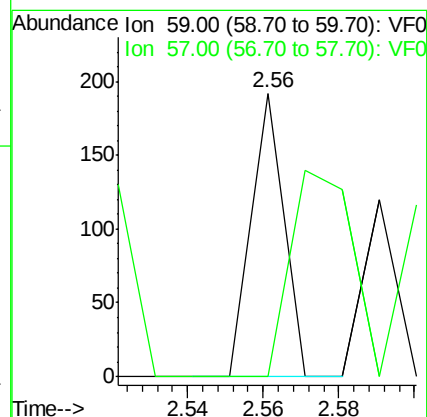
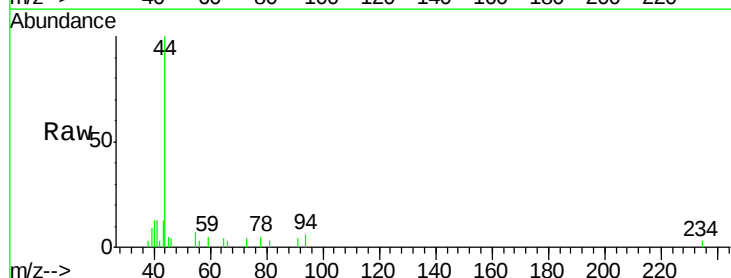
Acq: 11 Jan 2019 17:08

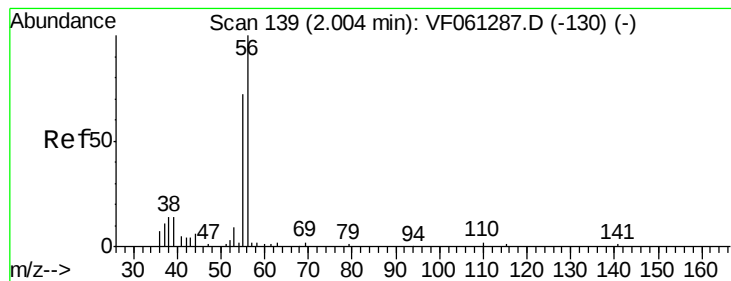
Tgt Ion: 59 Resp: 114

Ion Ratio Lower Upper

59 100

57 0.0 15.1 22.7#





#13

Acrolein

Concen: Below Cal

RT: 2.15 min Scan# 154

Delta R.T. 0.14 min

Lab File: VF061372.D

Acq: 11 Jan 2019 17:08

Instrument :

MSVOA_F

ClientSampleId :

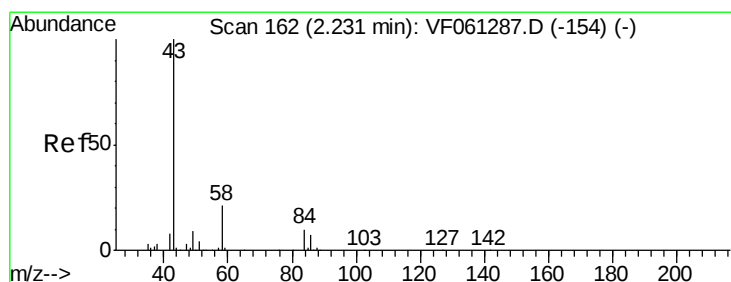
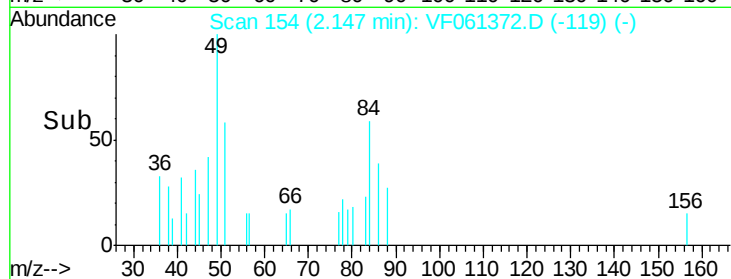
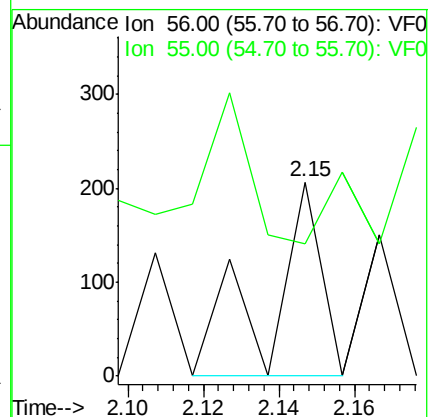
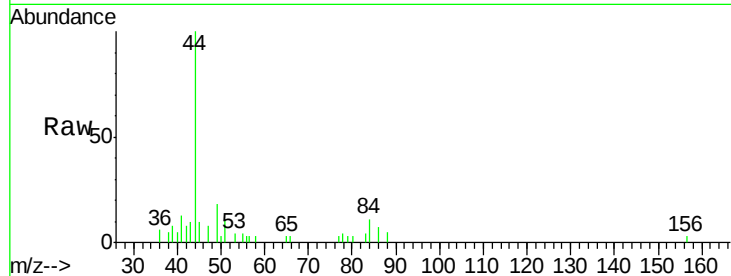
OR-02-011019-B

Tot Ion: 56 Resp: 197

Ion Ratio Lower Upper

56 100

55 68.1 59.4 89.0



#16

Acetone

Concen: 43.680 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.00 min

Lab File: VF061372.D

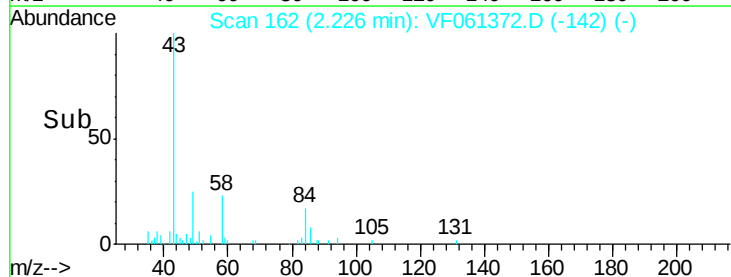
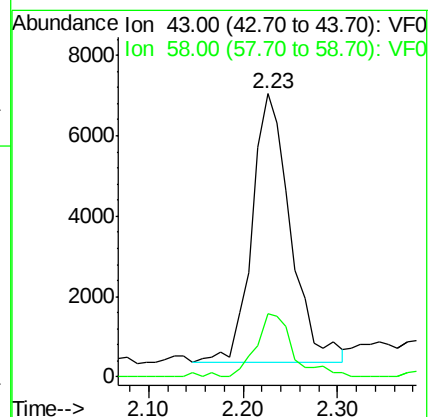
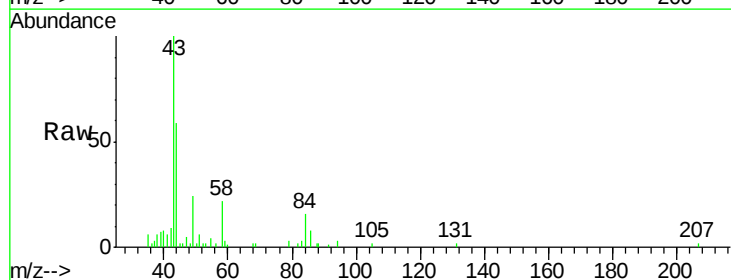
Acq: 11 Jan 2019 17:08

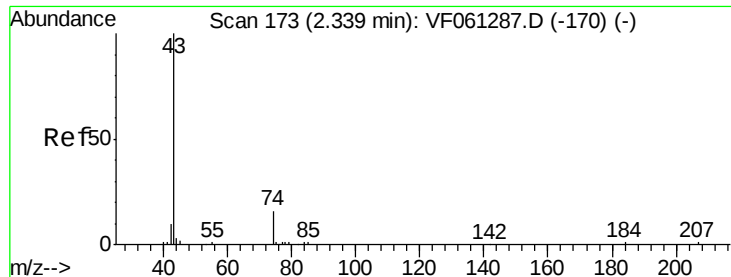
Tgt Ion: 43 Resp: 18799

Ion Ratio Lower Upper

43 100

58 22.2 16.6 25.0

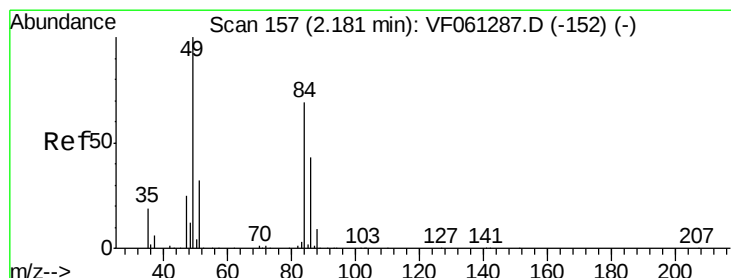
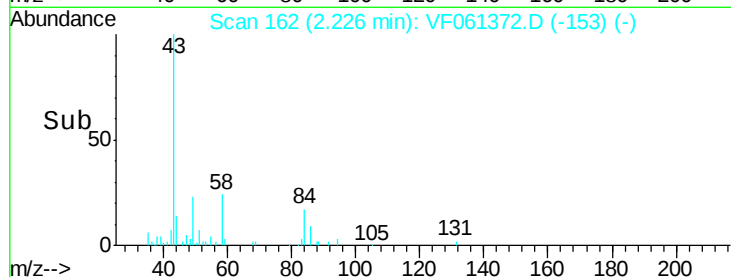
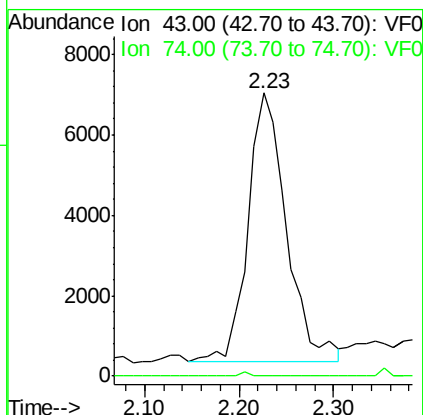
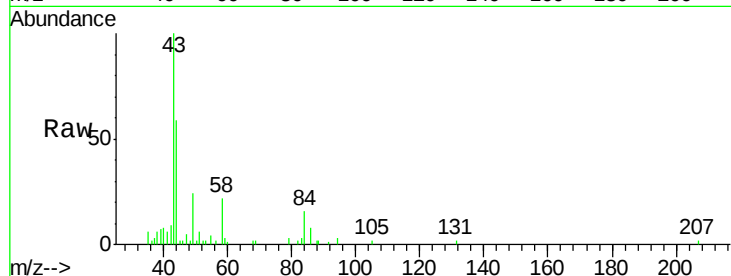




#18
Methyl Acetate
Concen: 22.201 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.11 min
Lab File: VF061372.D
Acq: 11 Jan 2019 17:08

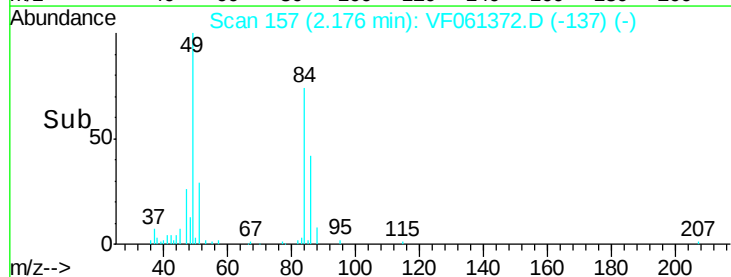
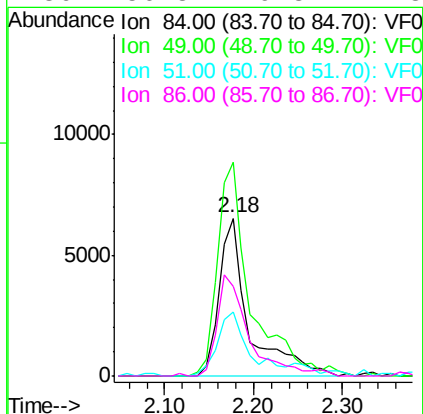
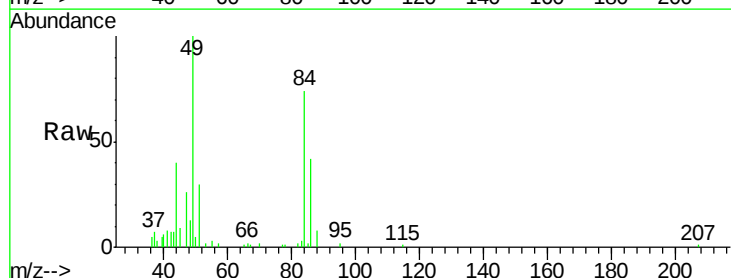
Instrument :
MSVOA_F
ClientSampleId :
OR-02-011019-B

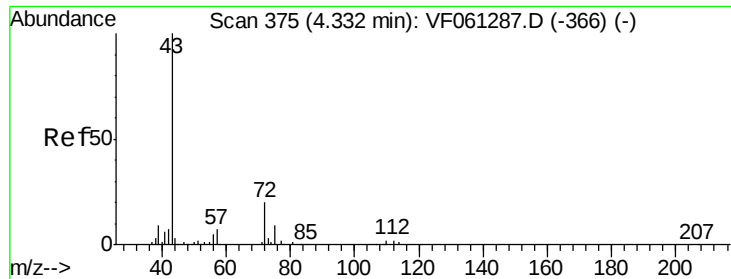
Tot Ion: 43 Resp: 18799
Ion Ratio Lower Upper
43 100
74 0.0 11.6 17.4#



#20
Methylene Chloride
Concen: 8.398 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF061372.D
Acq: 11 Jan 2019 17:08

Tgt Ion: 84 Resp: 15291
Ion Ratio Lower Upper
84 100
49 135.3 116.6 175.0
51 40.8 37.7 56.5
86 56.8 49.8 74.8





#25

2-Butanone

Concen: 1.369 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061372.D

Acq: 11 Jan 2019 17:08

Instrument :

MSVOA_F

ClientSampleId :

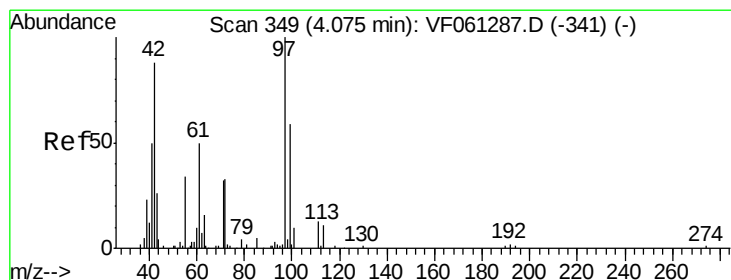
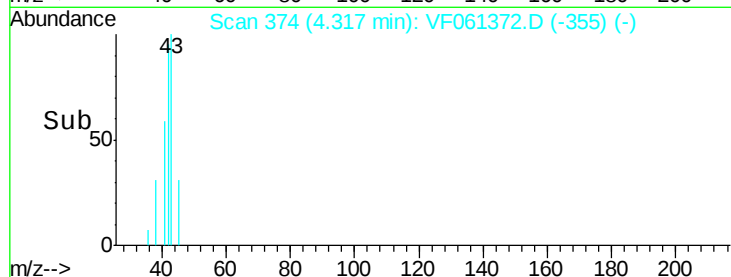
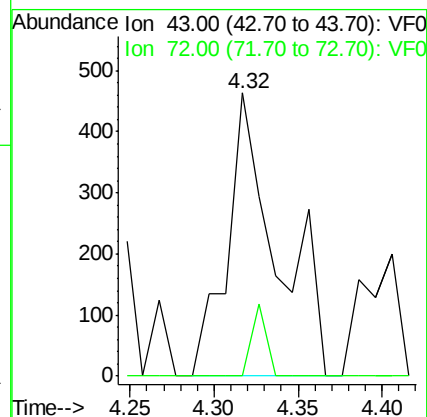
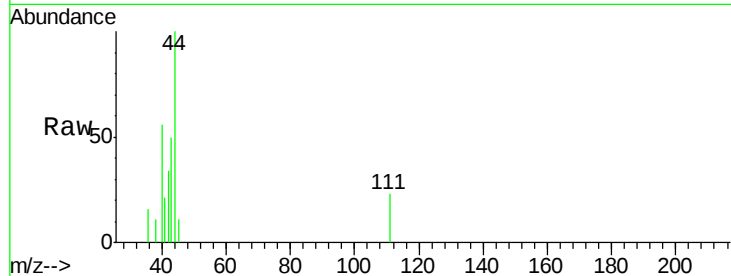
OR-02-011019-B

Tot Ion: 43 Resp: 948

Ion Ratio Lower Upper

43 100

72 0.0 16.5 24.7#



#29

Tetrahydrofuran

Concen: 2.962 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.02 min

Lab File: VF061372.D

Acq: 11 Jan 2019 17:08

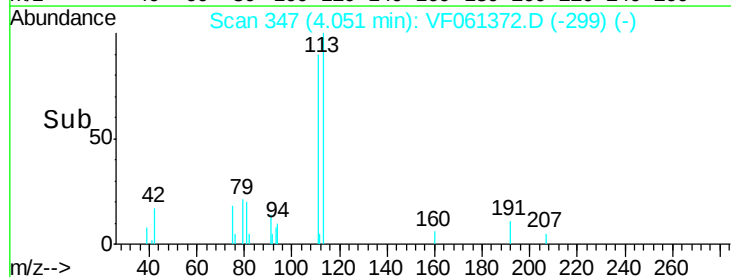
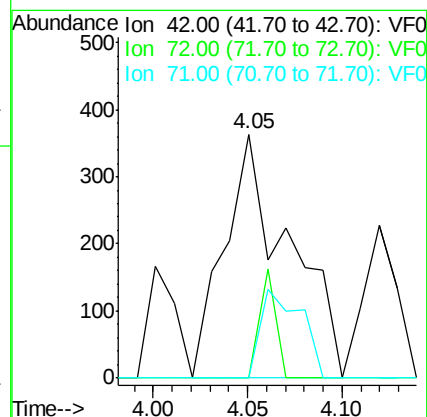
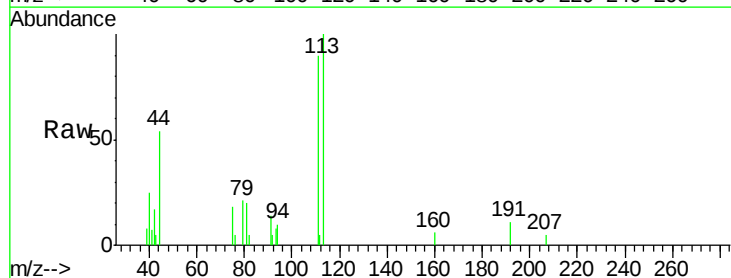
Tgt Ion: 42 Resp: 858

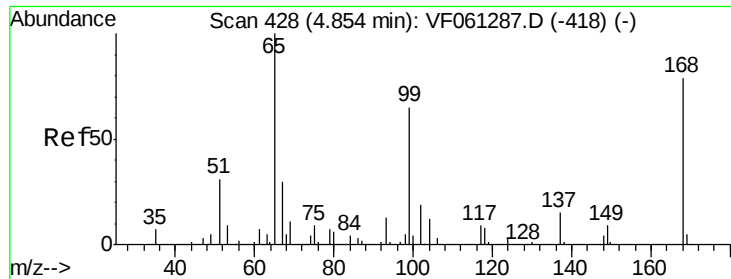
Ion Ratio Lower Upper

42 100

72 11.2 32.3 48.5#

71 23.0 29.5 44.3#

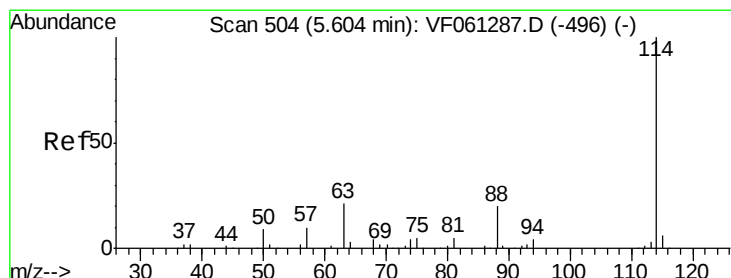
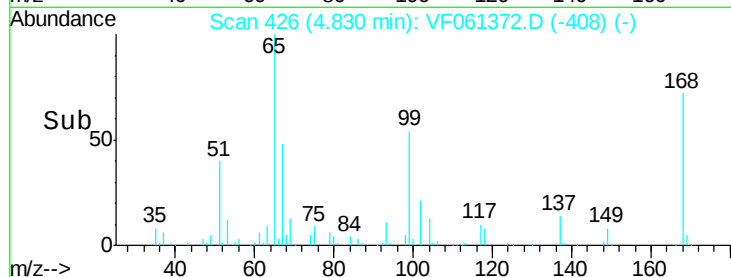
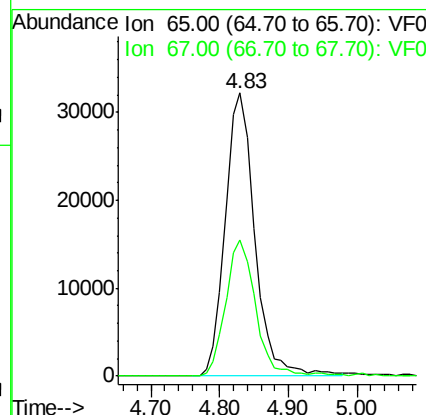
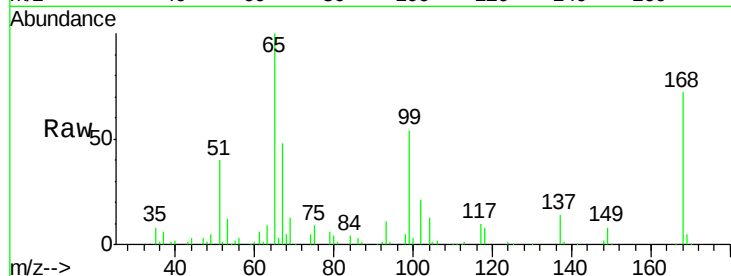




#33
 1,2-Dichloroethane-d4
 Concen: 52.034 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: VF061372.D
 Acq: 11 Jan 2019 17:08

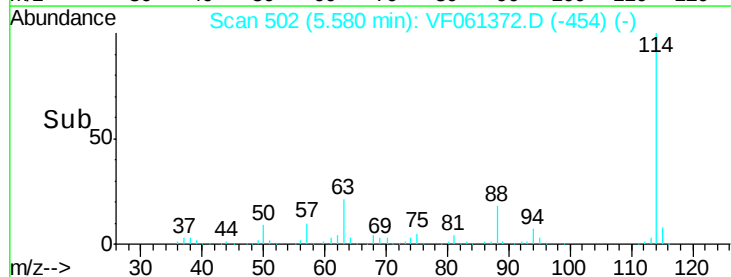
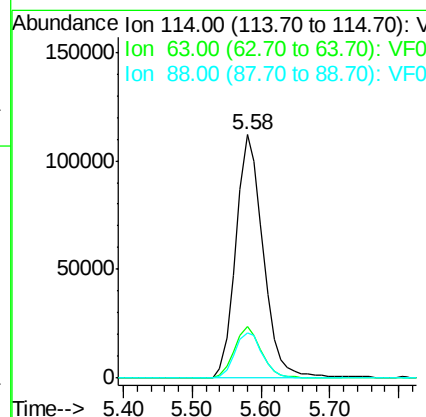
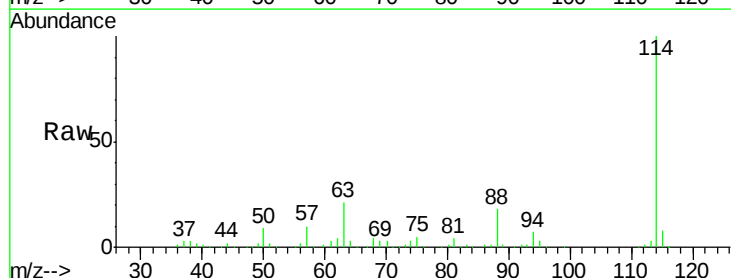
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 ClientSampleId :
 OR-02-011019-B

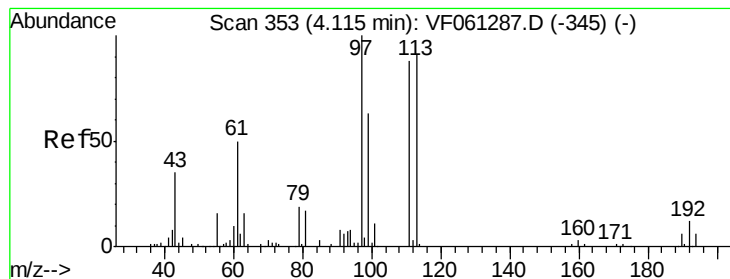
Tot Ion: 65 Resp: 96268
 Ion Ratio Lower Upper
 65 100
 67 48.0 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: VF061372.D
 Acq: 11 Jan 2019 17:08

Tgt Ion: 114 Resp: 308565
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.8
 88 18.4 0.0 40.0





#35

Dibromofluoromethane

Concen: 49.084 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061372.D

Acq: 11 Jan 2019 17:08

Instrument :

MSVOA_F

ClientSampleId :

OR-02-011019-B

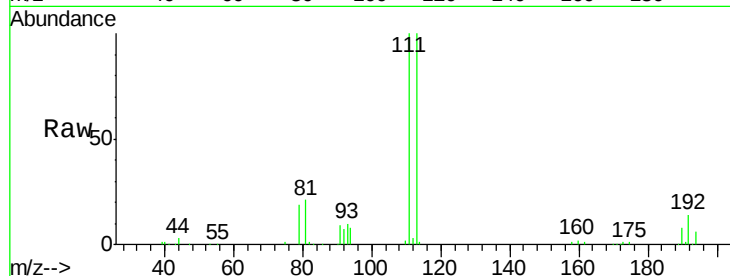
Tot Ion:113 Resp: 115888

Ion Ratio Lower Upper

113 100

111 99.8 78.0 117.0

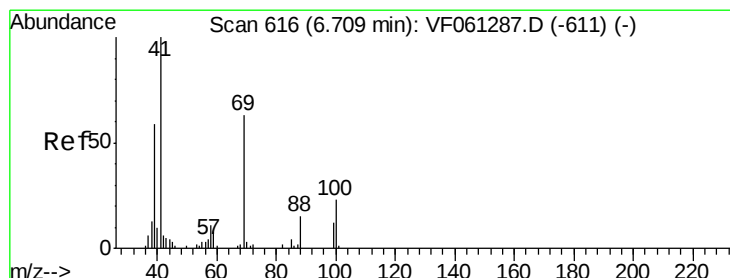
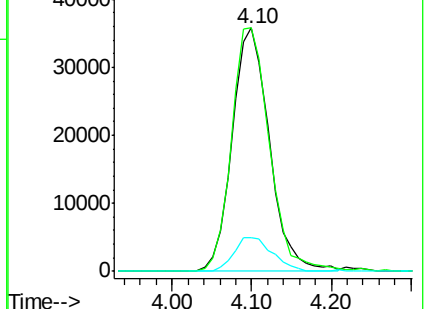
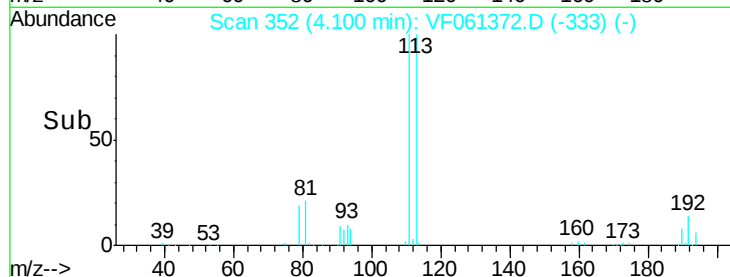
192 14.4 10.6 16.0



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



#49

1,4-Dioxane

Concen: 13.107 ug/l

RT: 6.46 min Scan# 591

Delta R.T. -0.25 min

Lab File: VF061372.D

Acq: 11 Jan 2019 17:08

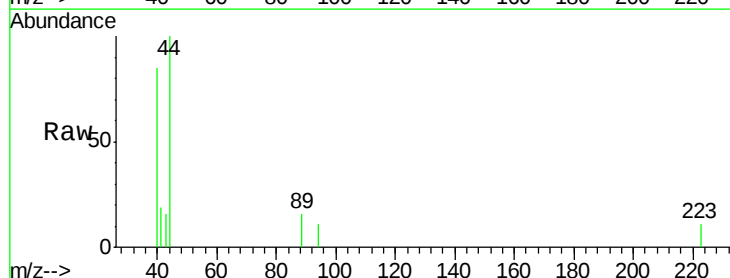
Tgt Ion: 88 Resp: 93

Ion Ratio Lower Upper

88 100

43 98.1 38.5 57.7#

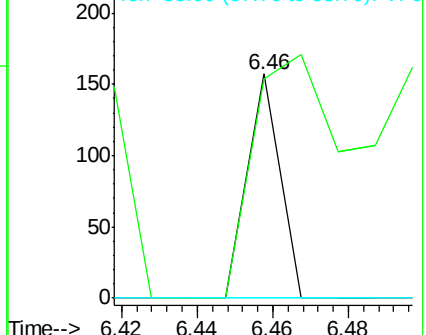
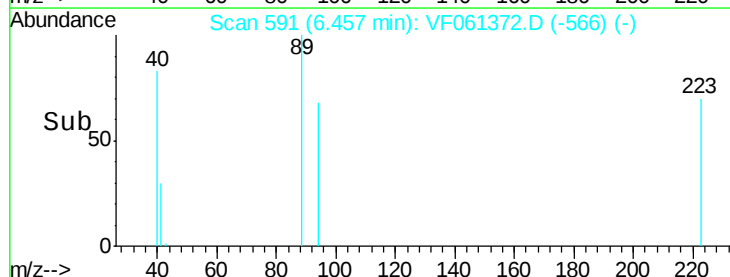
58 0.0 57.0 85.4#

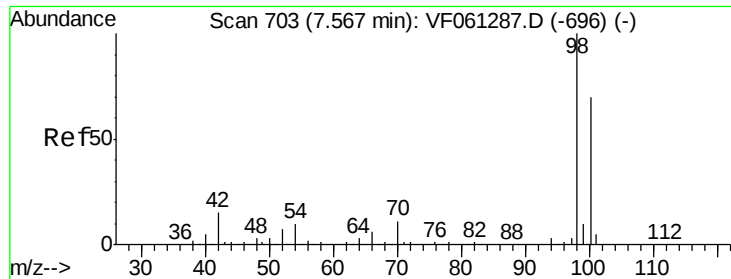


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

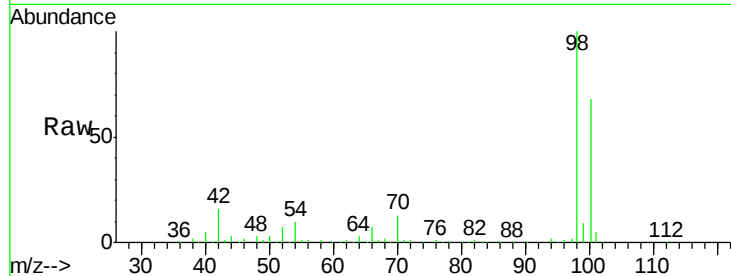




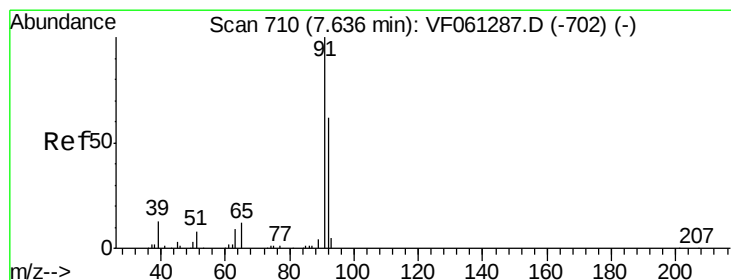
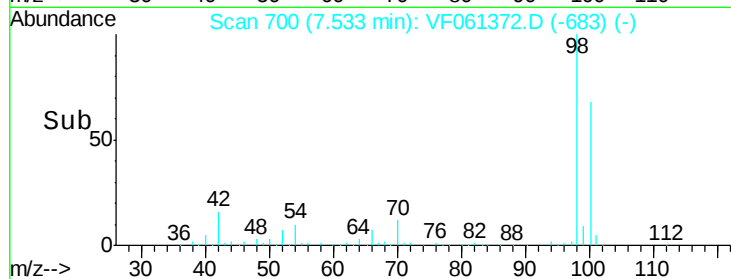
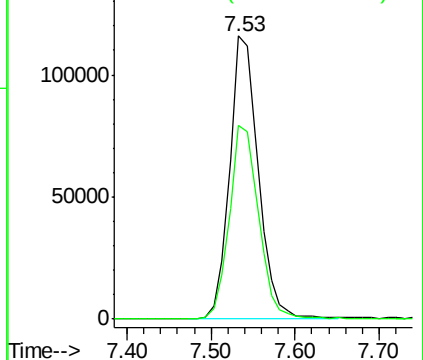
#50
Toluene-d8
Concen: 39.488 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061372.D
Acq: 11 Jan 2019 17:08

Instrument :
MSVOA_F
ClientSampleId :
OR-02-011019-B

Tot Ion: 98 Resp: 275899
Ion Ratio Lower Upper
98 100
100 68.5 55.6 83.4

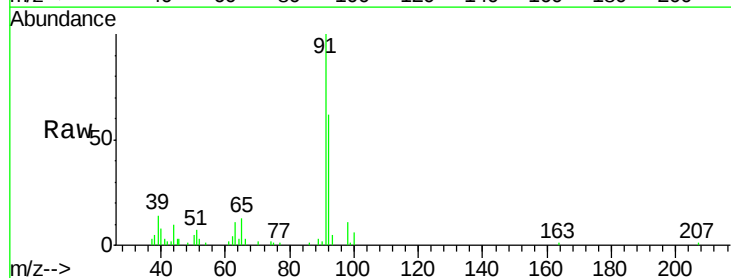


Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

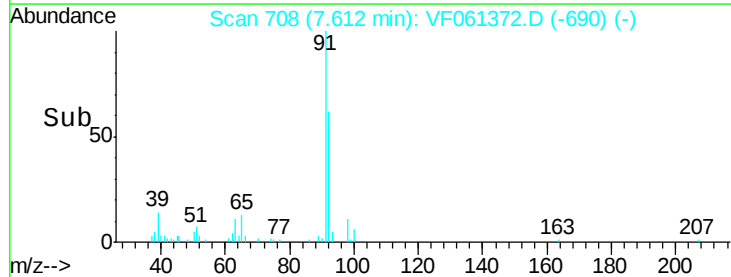
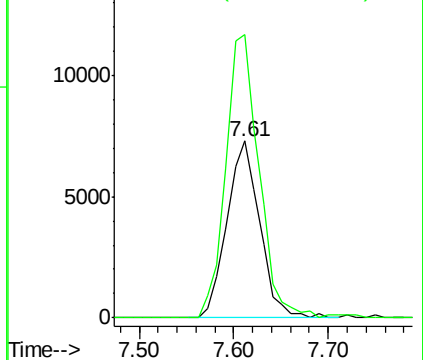


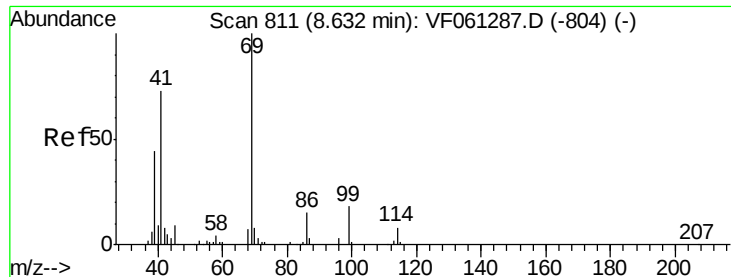
#52
Toluene
Concen: 3.237 ug/l
RT: 7.61 min Scan# 708
Delta R.T. -0.02 min
Lab File: VF061372.D
Acq: 11 Jan 2019 17:08

Tgt Ion: 92 Resp: 17505
Ion Ratio Lower Upper
92 100
91 160.2 129.2 193.8



Abundance Ion 92.00 (91.70 to 92.70): VF0
Ion 91.00 (90.70 to 91.70): VF0





#56

Ethyl methacrylate

Concen: 1.015 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.03 min

Lab File: VF061372.D

Acq: 11 Jan 2019 17:08

Instrument :

MSVOA_F

ClientSampleId :

OR-02-011019-B

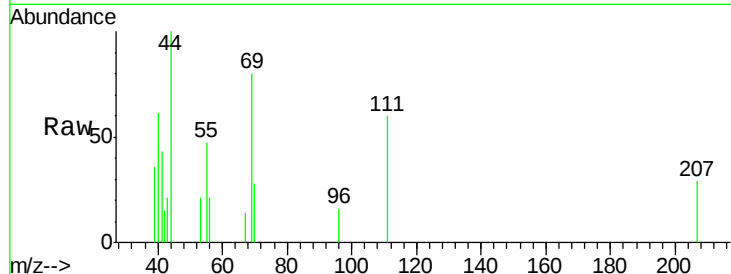
Tot Ion: 69 Resp: 1716

Ion Ratio Lower Upper

69 100

41 53.6 59.0 88.4#

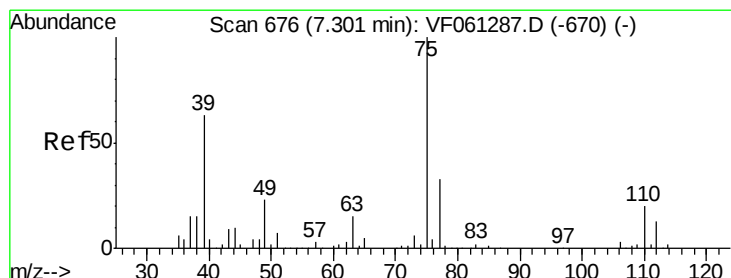
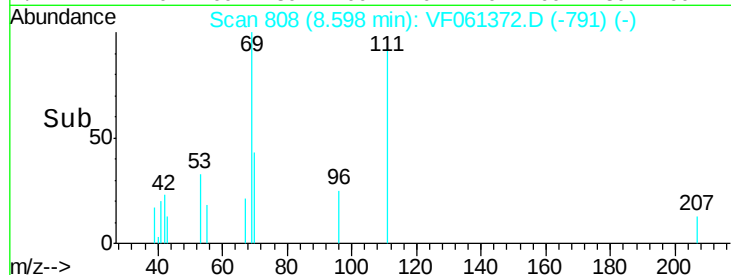
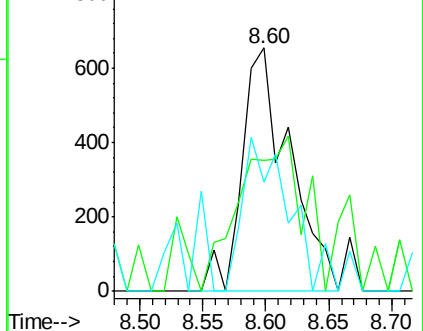
39 44.9 35.3 52.9



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 1.124 ug/l

RT: 7.23 min Scan# 669

Delta R.T. -0.07 min

Lab File: VF061372.D

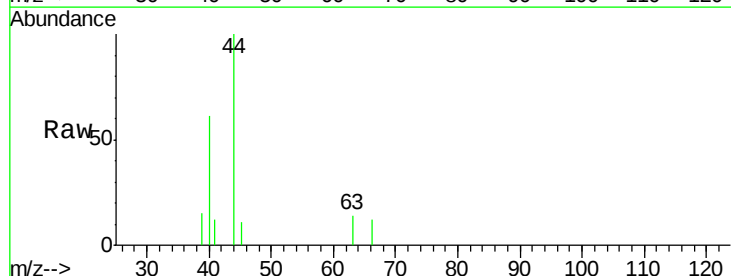
Acq: 11 Jan 2019 17:08

Tgt Ion: 63 Resp: 81

Ion Ratio Lower Upper

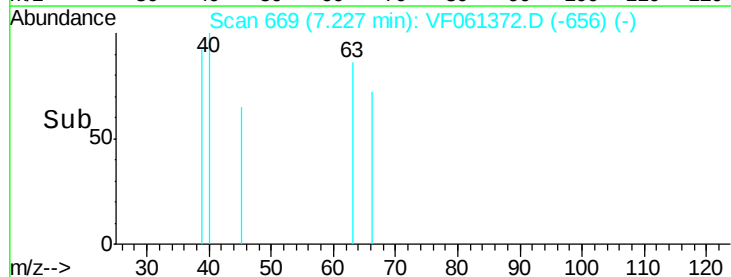
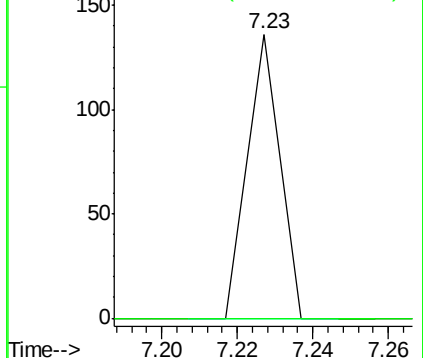
63 100

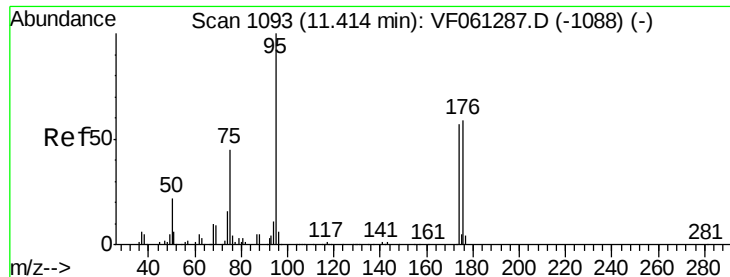
106 0.0 16.5 24.7#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#62

4-Bromofluorobenzene

Concen: 40.069 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061372.D

Acq: 11 Jan 2019 17:08

Instrument :

MSVOA_F

ClientSampleId :

OR-02-011019-B

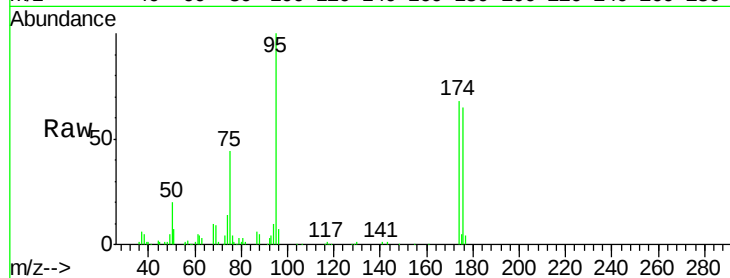
Tot Ion: 95 Resp: 122245

Ion Ratio Lower Upper

95 100

174 68.3 0.0 114.2

176 65.1 0.0 117.8

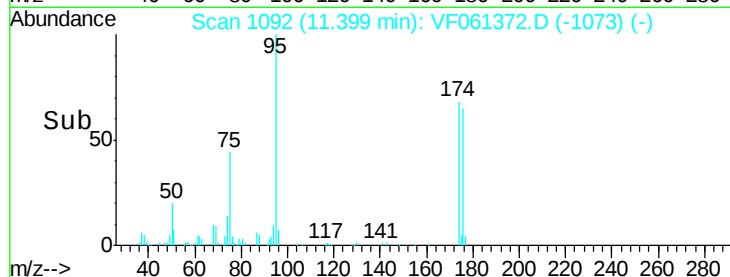


Abundance Ion 95.00 (94.70 to 95.70): VF061287.D (-1088) (-)

Ion 174.00 (173.70 to 174.70): VF061287.D (-1088) (-)

Ion 176.00 (175.70 to 176.70): VF061287.D (-1088) (-)

Time-->

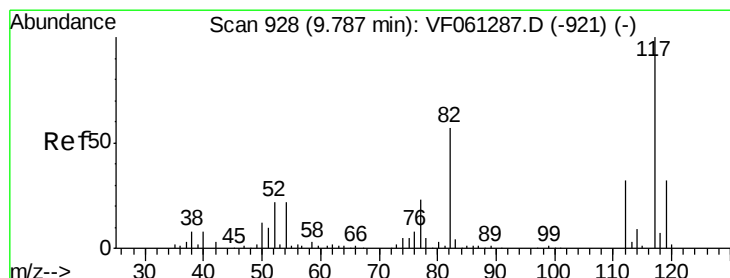


Abundance Ion 95.00 (94.70 to 95.70): VF061372.D (-1073) (-)

Ion 174.00 (173.70 to 174.70): VF061372.D (-1073) (-)

Ion 176.00 (175.70 to 176.70): VF061372.D (-1073) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.02 min

Lab File: VF061372.D

Acq: 11 Jan 2019 17:08

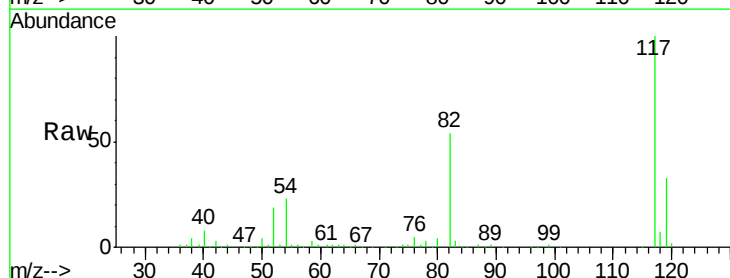
Tgt Ion: 117 Resp: 278659

Ion Ratio Lower Upper

117 100

82 54.3 45.3 67.9

119 32.7 25.4 38.0

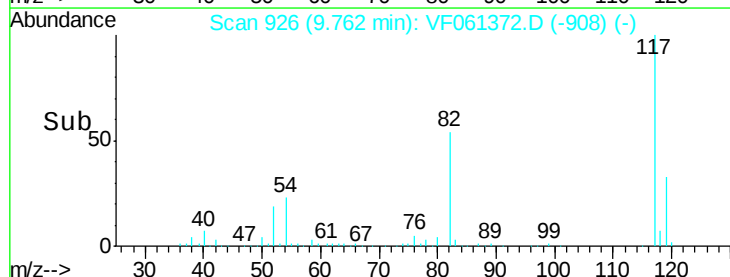


Abundance Ion 117.00 (116.70 to 117.70): VF061287.D (-921) (-)

Ion 82.00 (81.70 to 82.70): VF061287.D (-921) (-)

Ion 119.00 (118.70 to 119.70): VF061287.D (-921) (-)

Time-->

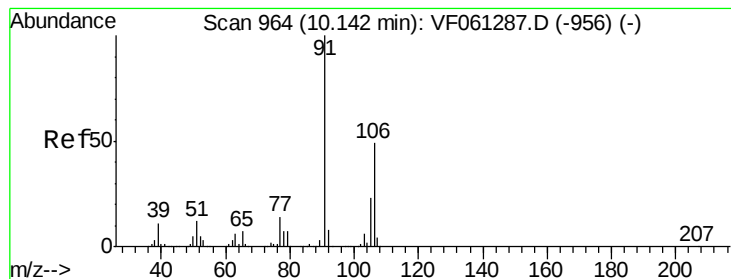


Abundance Ion 117.00 (116.70 to 117.70): VF061372.D (-908) (-)

Ion 82.00 (81.70 to 82.70): VF061372.D (-908) (-)

Ion 119.00 (118.70 to 119.70): VF061372.D (-908) (-)

Time-->



#68

m/p-Xylenes

Concen: 2.015 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF061372.D

Acq: 11 Jan 2019 17:08

Instrument :

MSVOA_F

ClientSampleId :

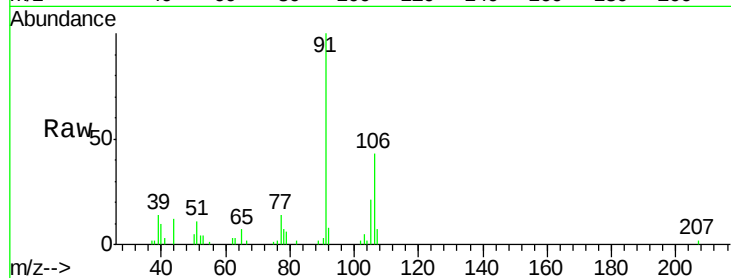
OR-02-011019-B

Tot Ion:106 Resp: 7625

Ion Ratio Lower Upper

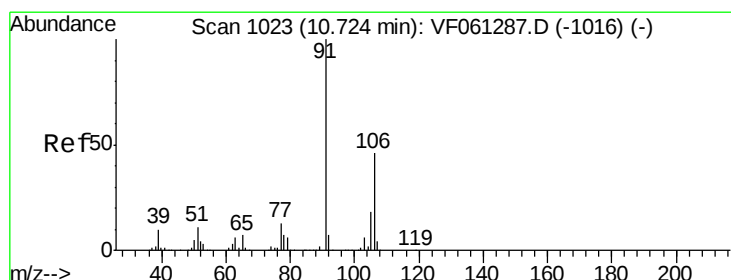
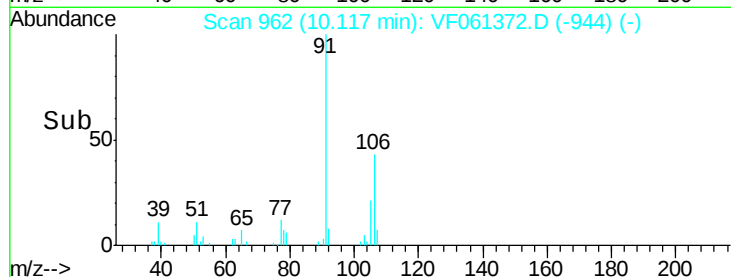
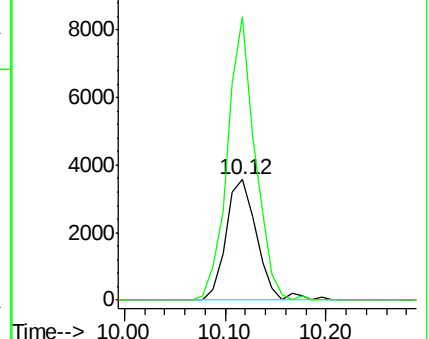
106 100

91 235.1 165.0 247.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 1.202 ug/l

RT: 10.70 min Scan# 1021

Delta R.T. -0.02 min

Lab File: VF061372.D

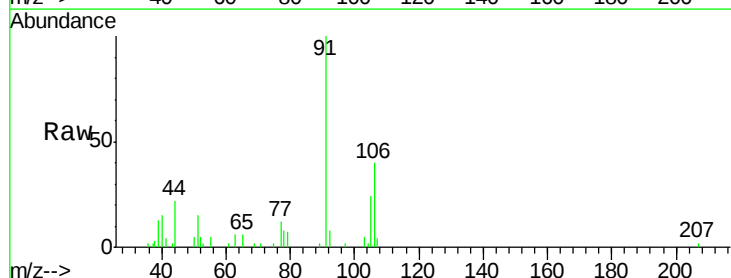
Acq: 11 Jan 2019 17:08

Tgt Ion:106 Resp: 5081

Ion Ratio Lower Upper

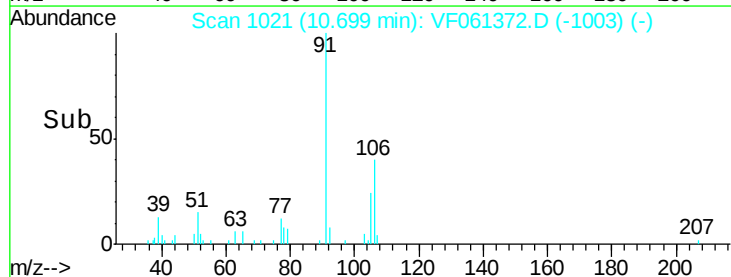
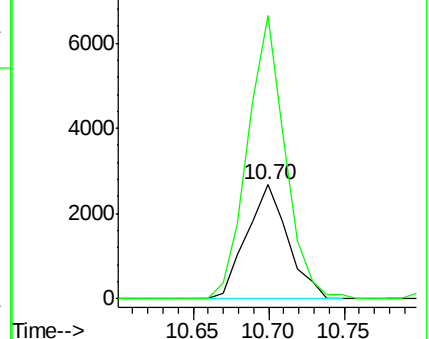
106 100

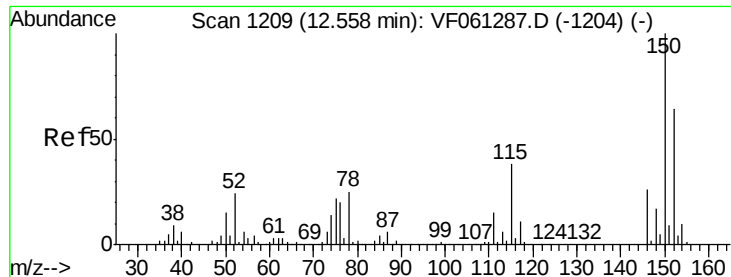
91 247.7 108.1 324.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



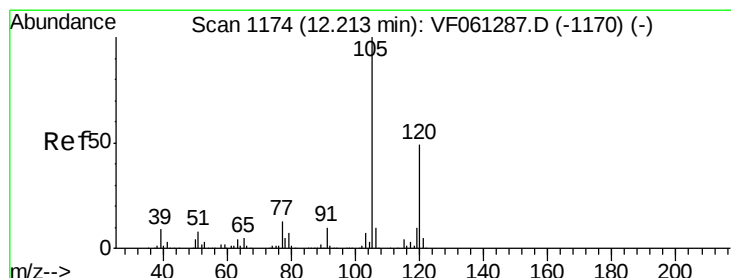
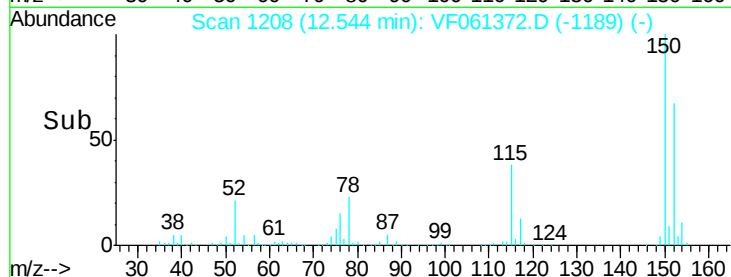
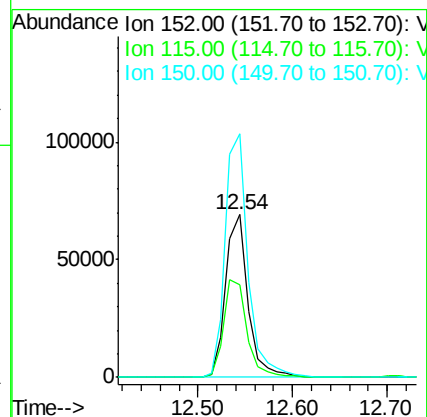
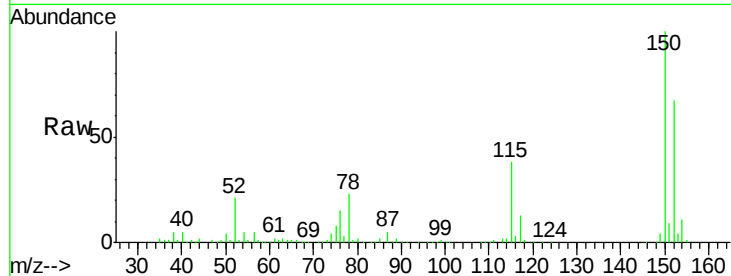


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061372.D
Acq: 11 Jan 2019 17:08

Instrument :
MSVOA_F
ClientSampleId :
OR-02-011019-B

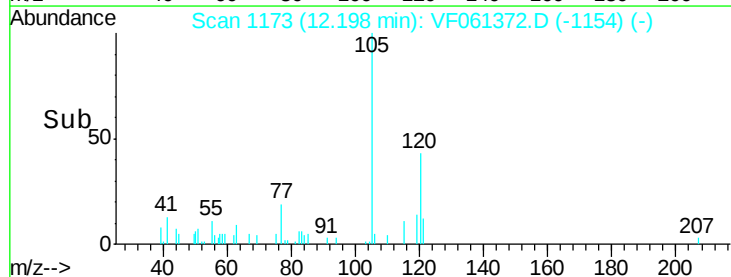
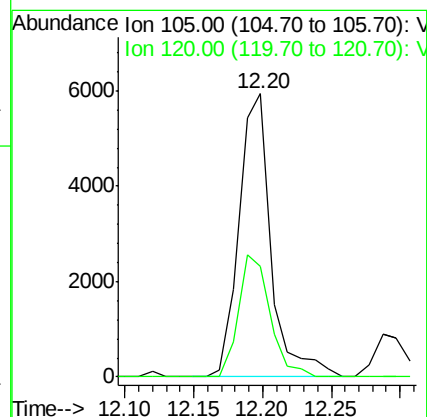
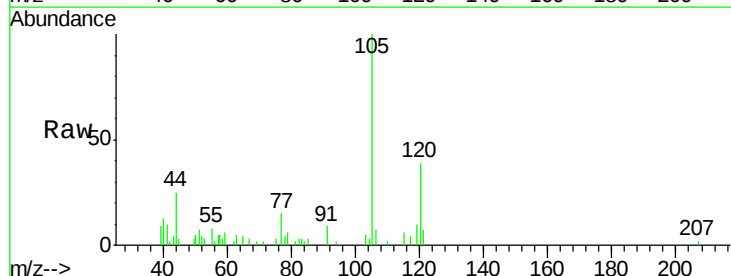
Tot Ion:152 Resp: 113506
Ion Ratio Lower Upper
152 100
115 56.8 29.6 88.9
150 149.7 0.0 315.4

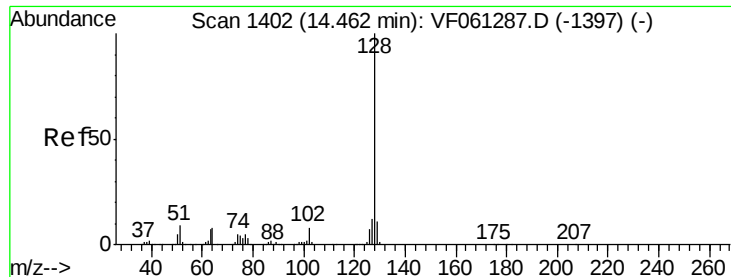


#84

1,2,4-Trimethylbenzene
Concen: 1.224 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VF061372.D
Acq: 11 Jan 2019 17:08

Tgt Ion:105 Resp: 9655
Ion Ratio Lower Upper
105 100
120 39.0 24.7 74.1





#95
Naphthalene
Concen: 1.983 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF061372.D
Acq: 11 Jan 2019 17:08

Instrument :
MSVOA_F
ClientSampleId :
OR-02-011019-B

Tot Ion:128 Resp: 9527
Ion Ratio Lower Upper
128 100
127 11.1 9.4 14.0
129 6.8 8.8 13.2#

