

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011119\
 Data File : VF061369.D
 Acq On : 11 Jan 2019 15:42
 Operator : VA/AP
 Sample : K1119-05
 Misc : 6.07g/5mL/MSVOA-F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 DS-C

Quant Time: Jan 12 03:32:59 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	88063	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	140352	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	125204	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	57172	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	40641	41.46	ug/l	-0.02
Spiked Amount			Recovery	=	82.92%	
35) Dibromofluoromethane	4.09	113	54651	50.89	ug/l	-0.02
Spiked Amount			Recovery	=	101.78%	
50) Toluene-d8	7.54	98	148375	46.69	ug/l	-0.02
Spiked Amount			Recovery	=	93.38%	
62) 4-Bromofluorobenzene	11.40	95	58749	42.34	ug/l	-0.01
Spiked Amount			Recovery	=	84.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.28	94	410	3.255	ug/l #	6
11) Tert butyl alcohol	2.57	59	95	2.421	ug/l #	58
13) Acrolein	1.96	56	285	Below Cal	#	50
15) Acrylonitrile	2.90	53	430	3.091	ug/l #	32
16) Acetone	2.36	43	707	3.101	ug/l	95
18) Methyl Acetate	2.36	43	1858	4.142	ug/l #	65
20) Methylene Chloride	2.18	84	11309	11.724	ug/l	97
25) 2-Butanone	4.34	43	370	1.008	ug/l #	56
29) Tetrahydrofuran	4.07	42	353	2.301	ug/l #	36
41) Methacrylonitrile	4.70	41	359	1.077	ug/l #	24
49) 1,4-Dioxane	6.35	88	66	20.450	ug/l #	22
51) 4-Methyl-2-Pentanone	8.25	43	3324	5.589	ug/l #	50
52) Toluene	7.61	92	15403	6.263	ug/l	91
56) Ethyl methacrylate	8.61	69	4559	5.927	ug/l #	80
67) Ethyl Benzene	9.88	91	22280	4.570	ug/l	95
68) m/p-Xylenes	10.12	106	29846	17.552	ug/l	93
69) o-Xylene	10.70	106	18756	9.874	ug/l	97
73) Isopropylbenzene	11.11	105	10953	2.177	ug/l	96
74) N-amyl acetate	11.25	43	10685	9.343	ug/l #	25
75) 1,1,2,2-Tetrachloroethane	11.66	83	1634	2.048	ug/l #	1
76) 1,2,3-Trichloropropane	11.80	75	590	1.008	ug/l #	1
78) n-propylbenzene	11.58	91	31523	5.255	ug/l	88
79) 2-Chlorotoluene	11.70	91	15356	4.595	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.81	105	40658	10.157	ug/l	92
83) tert-Butylbenzene	12.19	119	17470	4.380	ug/l #	64
84) 1,2,4-Trimethylbenzene	12.19	105	145710	36.662	ug/l	94
85) sec-Butylbenzene	12.30	105	19444	3.424	ug/l	94
86) p-Isopropyltoluene	12.42	119	31678	6.858	ug/l	97
89) n-Butylbenzene	12.83	91	29412	6.197	ug/l #	73
92) 1,2-Dibromo-3-Chloropropan	13.62	75	360	2.671	ug/l #	1
95) Naphthalene	14.45	128	14547	6.013	ug/l #	60
96) 1,2,3-Trichlorobenzene	14.63	180	1281	1.059	ug/l #	6

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QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

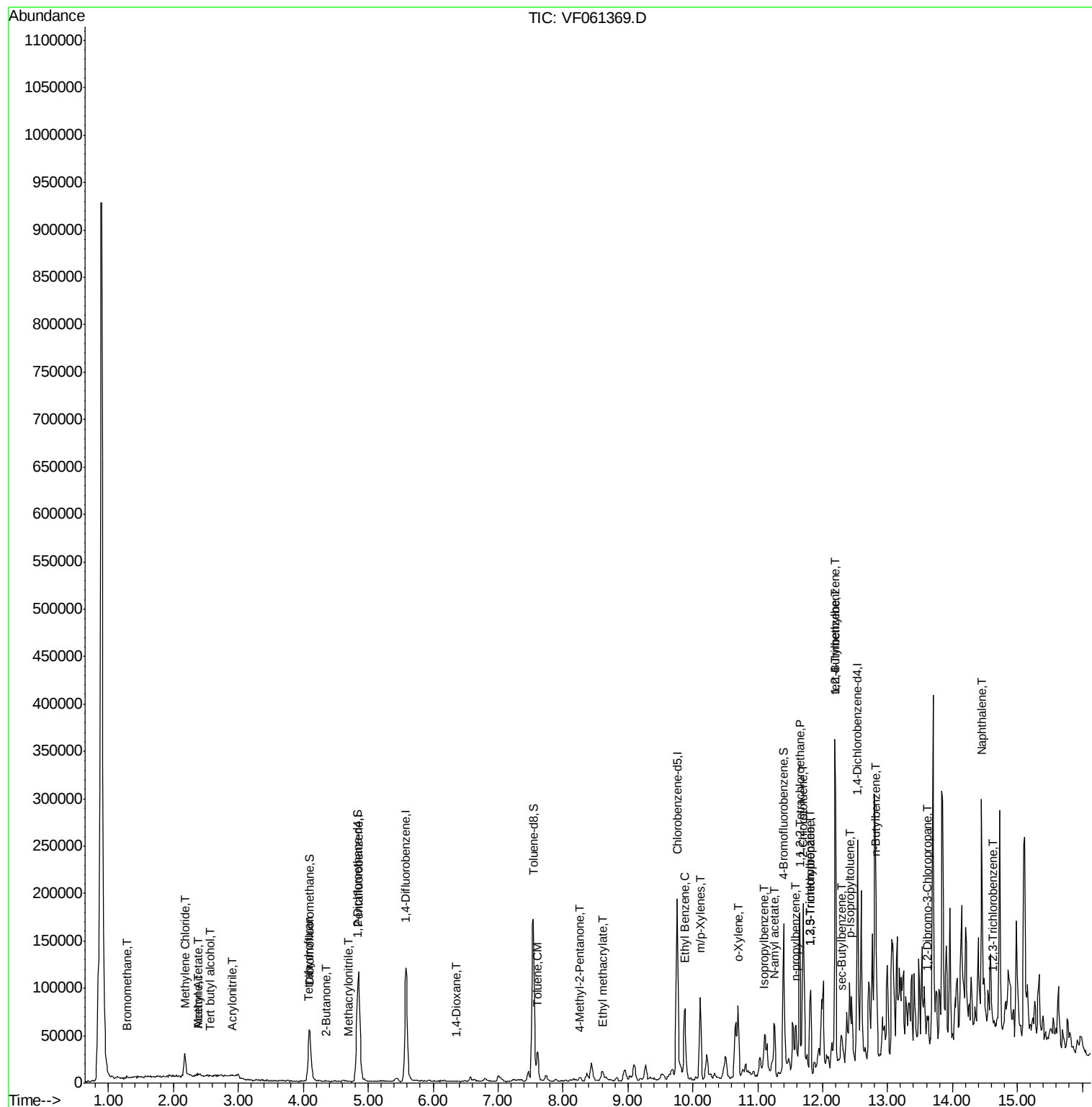
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

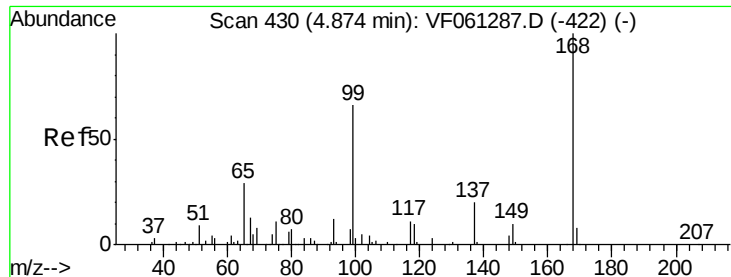
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Data File : VF061369.D
Acq On : 11 Jan 2019 15:42
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061369.D

Acq: 11 Jan 2019 15:42

Instrument :

MSVOA_F

ClientSampleId :

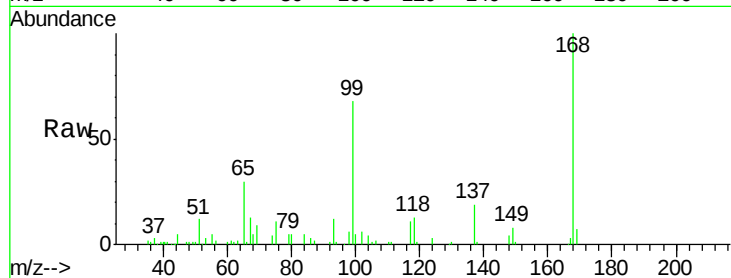
DS-C

Tot Ion:168 Resp: 88063

Ion Ratio Lower Upper

168 100

99 67.9 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

30000

25000

20000

15000

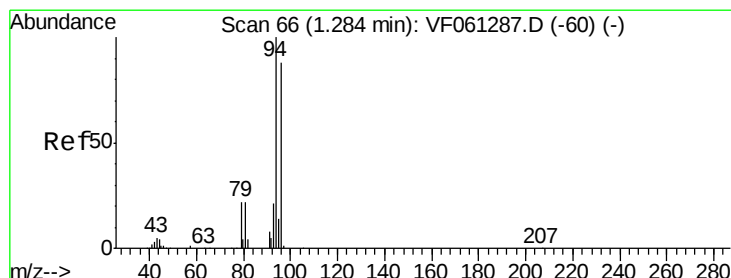
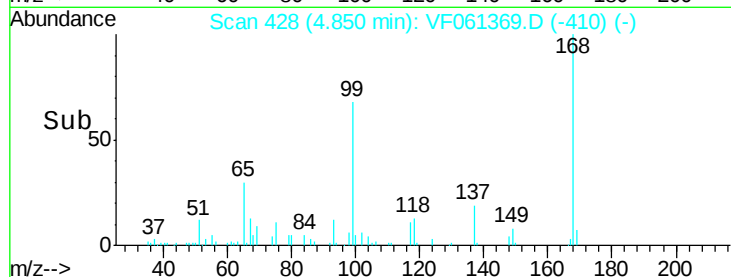
10000

5000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#5

Bromomethane

Concen: 3.255 ug/l

RT: 1.28 min Scan# 66

Delta R.T. -0.00 min

Lab File: VF061369.D

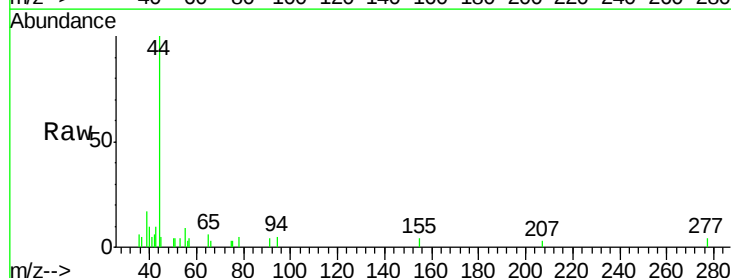
Acq: 11 Jan 2019 15:42

Tgt Ion: 94 Resp: 410

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

1.28

200

150

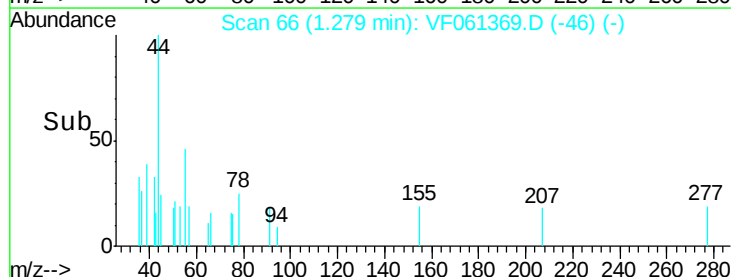
100

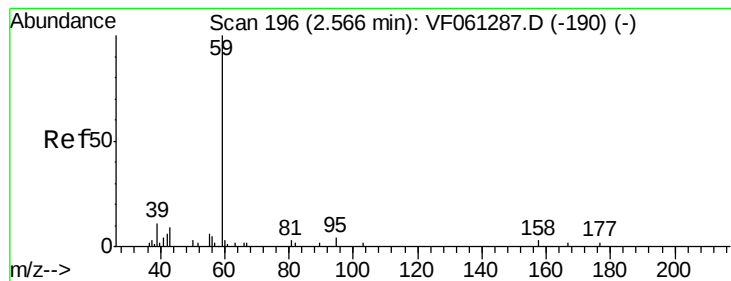
50

0

Time-->

1.25 1.30



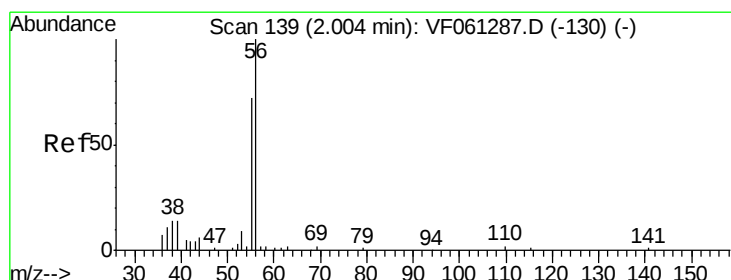
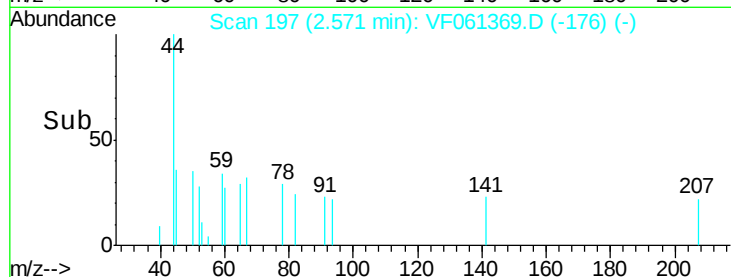
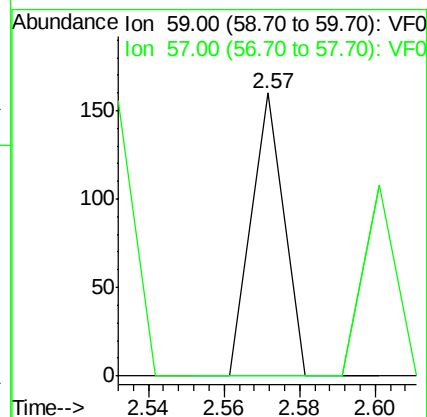
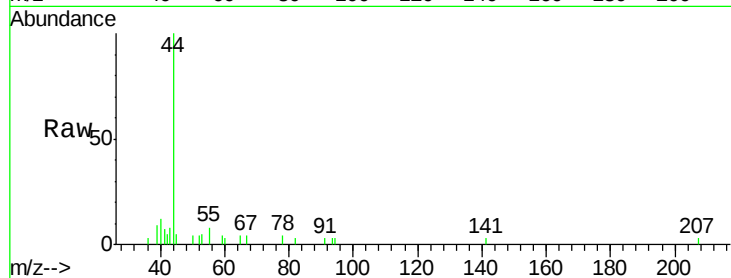


#11

Tert butyl alcohol
 Concen: 2.421 ug/l
 RT: 2.57 min Scan# 197
 Delta R.T. 0.01 min
 Lab File: VF061369.D
 Acq: 11 Jan 2019 15:42

Instrument :
 MSVOA_F
 ClientSampleId :
 DS-C

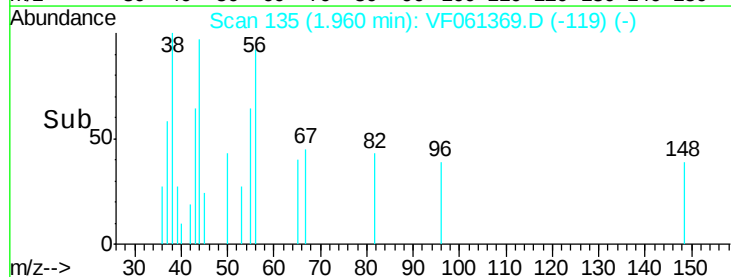
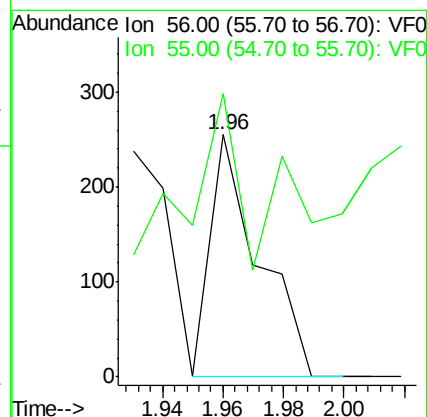
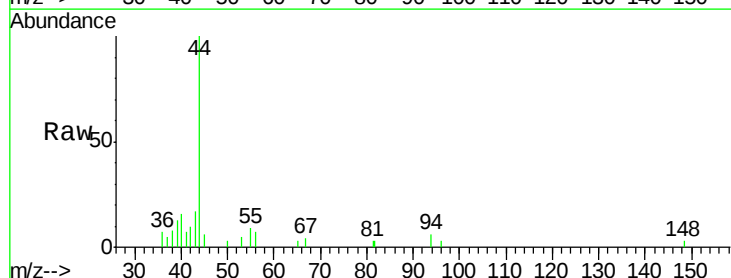
Tot Ion: 59 Resp: 95
 Ion Ratio Lower Upper
 59 100
 57 0.0 15.1 22.7#

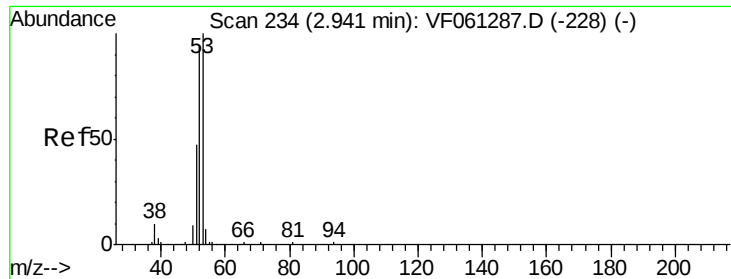


#13

Acrolein
 Concen: Below Cal
 RT: 1.96 min Scan# 135
 Delta R.T. -0.04 min
 Lab File: VF061369.D
 Acq: 11 Jan 2019 15:42

Tgt Ion: 56 Resp: 285
 Ion Ratio Lower Upper
 56 100
 55 116.9 59.4 89.0#





#15

Acrylonitrile

Concen: 3.091 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.04 min

Lab File: VF061369.D

Acq: 11 Jan 2019 15:42

Instrument :

MSVOA_F

ClientSampleId :

DS-C

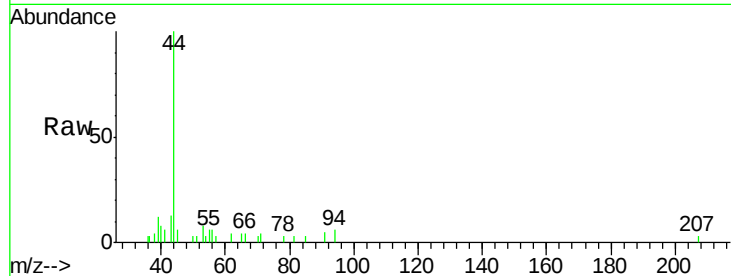
Tot Ion: 53 Resp: 430

Ion Ratio Lower Upper

53 100

52 0.0 74.6 111.8#

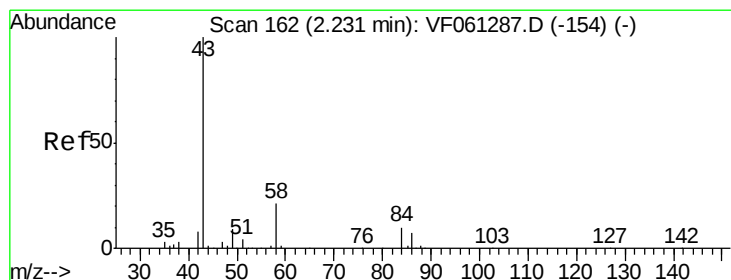
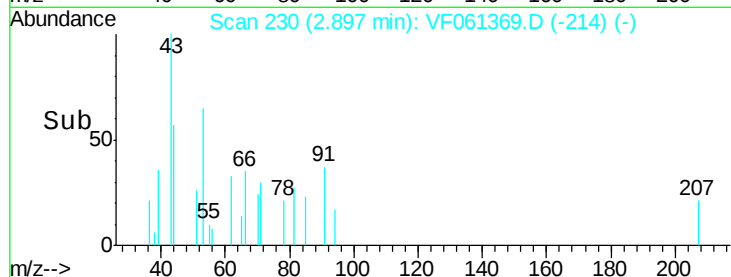
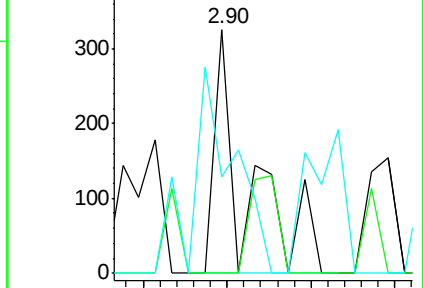
51 39.6 37.8 56.6



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: 3.101 ug/l

RT: 2.36 min Scan# 176

Delta R.T. 0.13 min

Lab File: VF061369.D

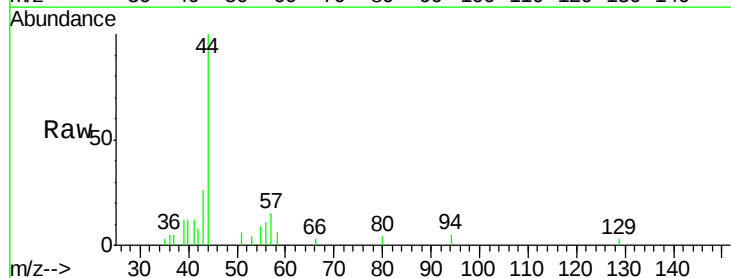
Acq: 11 Jan 2019 15:42

Tgt Ion: 43 Resp: 707

Ion Ratio Lower Upper

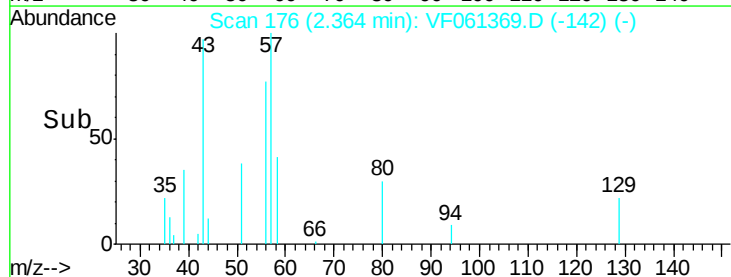
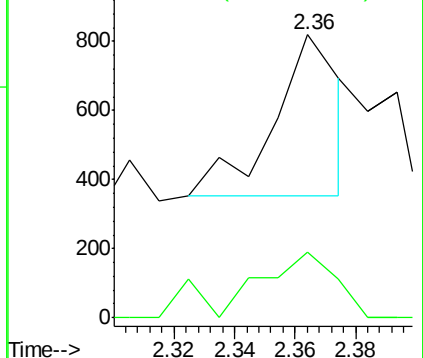
43 100

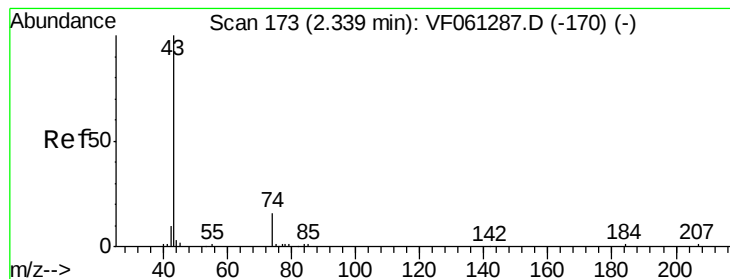
58 23.2 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#18

Methyl Acetate

Concen: 4.142 ug/l

RT: 2.36 min Scan# 176

Delta R.T. 0.03 min

Lab File: VF061369.D

Acq: 11 Jan 2019 15:42

Instrument :

MSVOA_F

ClientSampleId :

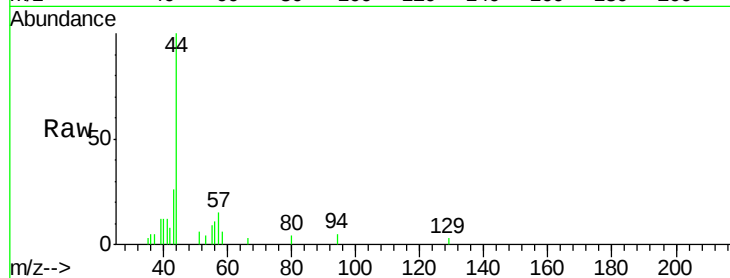
DS-C

Tot Ion: 43 Resp: 1858

Ion Ratio Lower Upper

43 100

74 0.0 11.6 17.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2.36

800

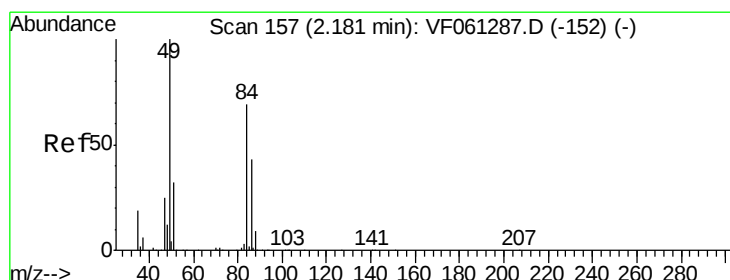
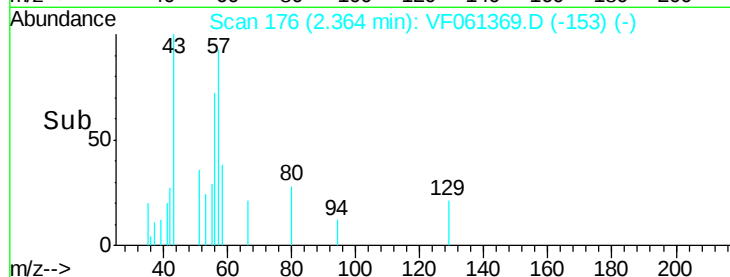
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 11.724 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF061369.D

Acq: 11 Jan 2019 15:42

Tgt Ion: 84 Resp: 11309

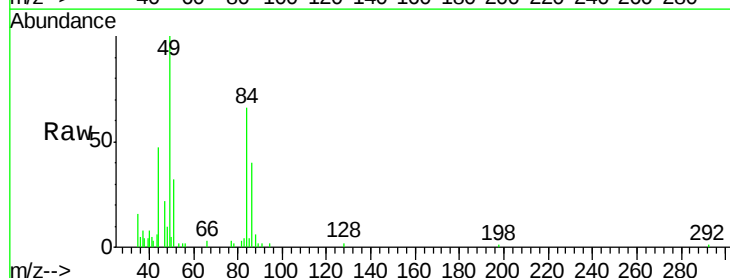
Ion Ratio Lower Upper

84 100

49 150.5 116.6 175.0

51 47.7 37.7 56.5

86 60.6 49.8 74.8



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

10000

8000

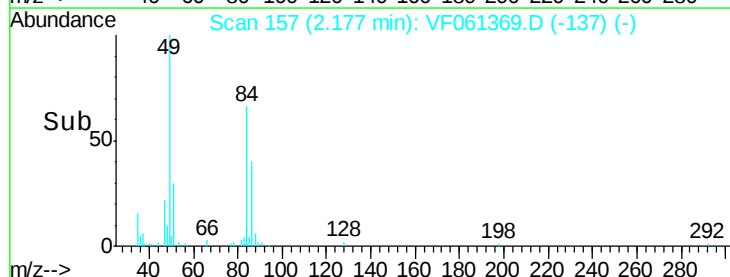
6000

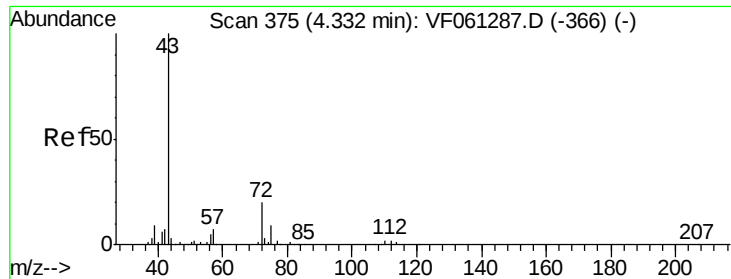
4000

2000

0

Time-->

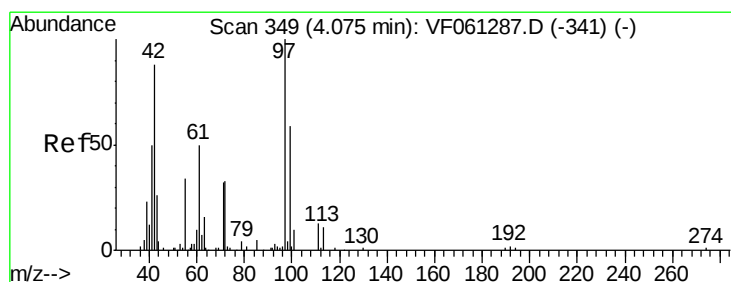
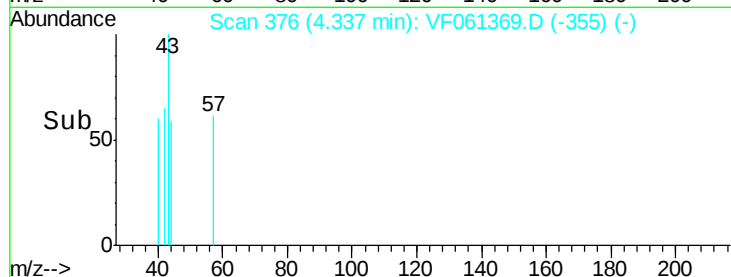
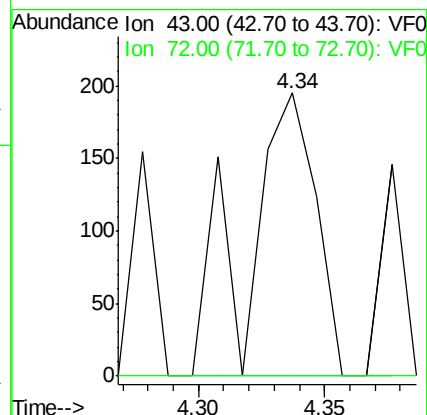
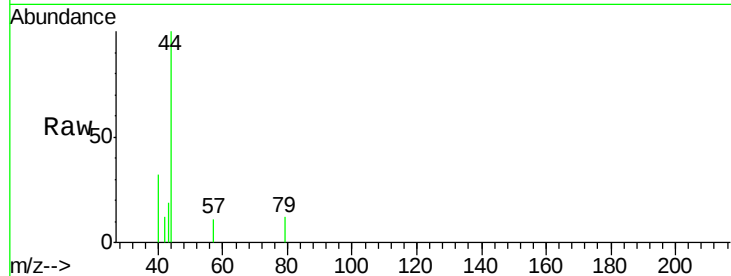




#25
2-Butanone
Concen: 1.008 ug/l
RT: 4.34 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

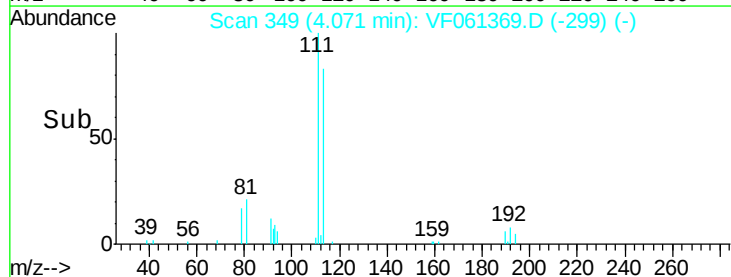
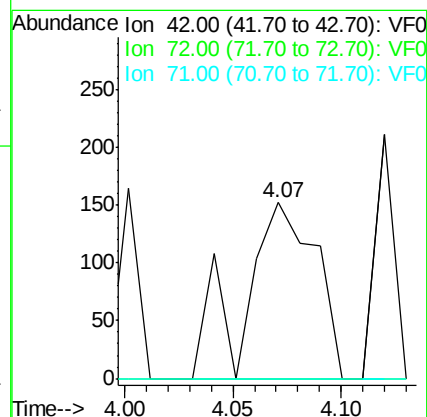
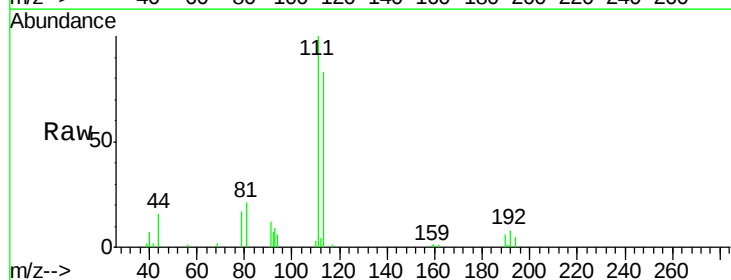
Instrument :
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ClientSampleId :
DS-C

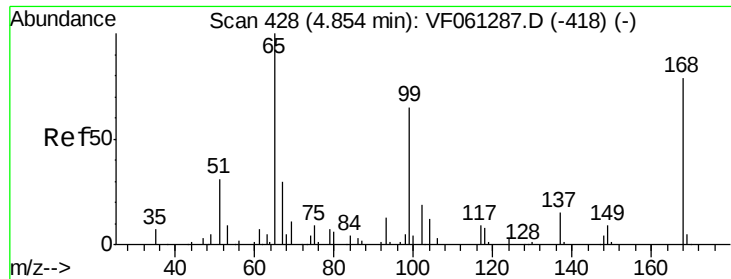
Tot Ion: 43 Resp: 370
Ion Ratio Lower Upper
43 100
72 0.0 16.5 24.7#



#29
Tetrahydrofuran
Concen: 2.301 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.00 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion: 42 Resp: 353
Ion Ratio Lower Upper
42 100
72 0.0 32.3 48.5#
71 0.0 29.5 44.3#

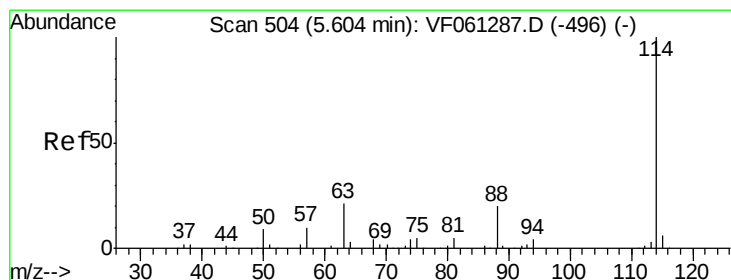
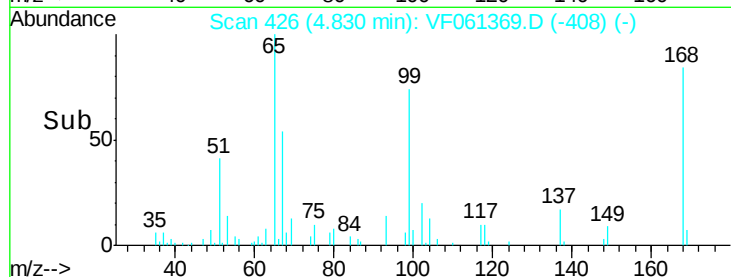
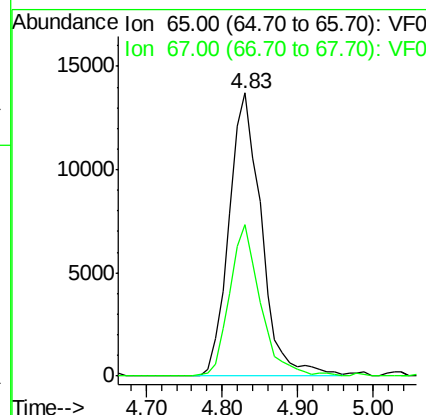
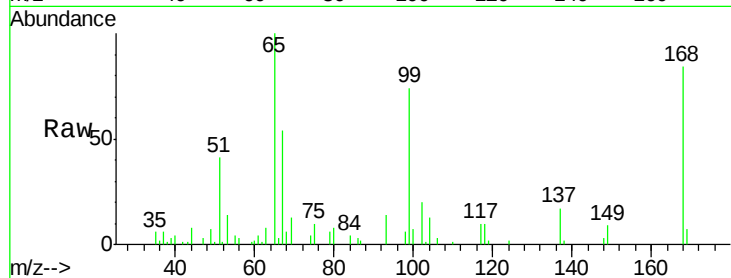




#33
 1,2-Dichloroethane-d4
 Concen: 41.462 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: VF061369.D
 Acq: 11 Jan 2019 15:42

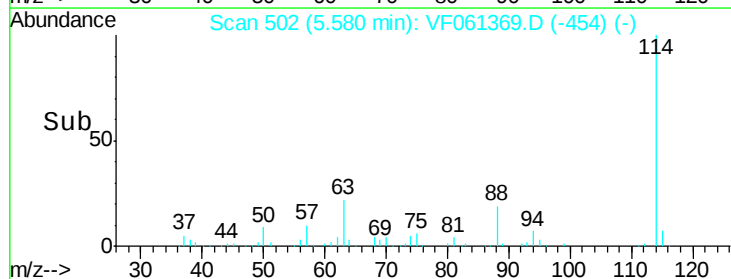
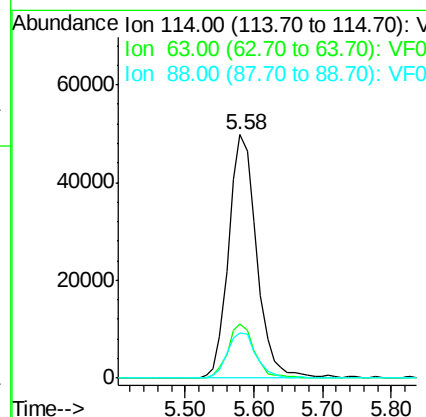
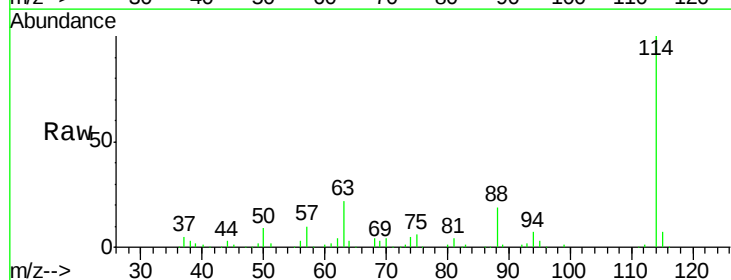
Instrument :
 MSVOA_F
 ClientSampleId :
 DS-C

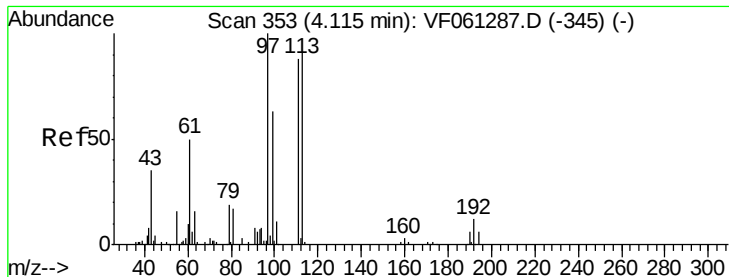
Tot Ion: 65 Resp: 40641
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: VF061369.D
 Acq: 11 Jan 2019 15:42

Tgt Ion: 114 Resp: 140352
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 42.8
 88 18.6 0.0 40.0





#35

Dibromofluoromethane

Concen: 50.889 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061369.D

Acq: 11 Jan 2019 15:42

Instrument :

MSVOA_F

ClientSampleId :

DS-C

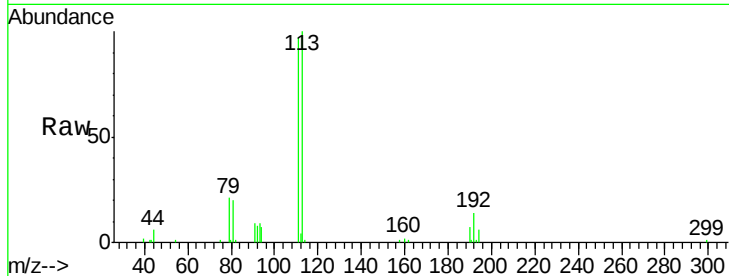
Tot Ion:113 Resp: 54651

Ion Ratio Lower Upper

113 100

111 97.0 78.0 117.0

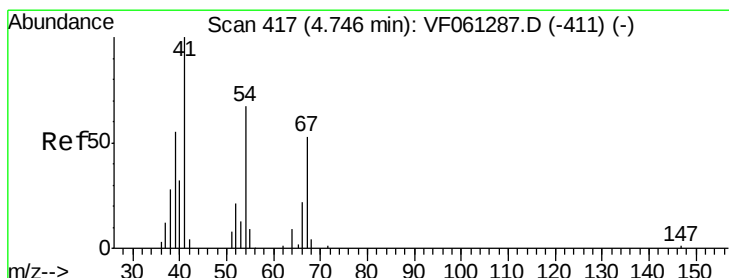
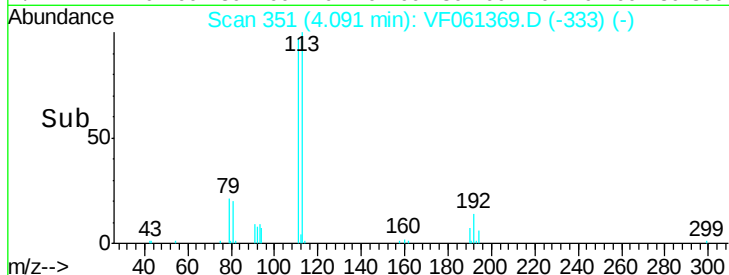
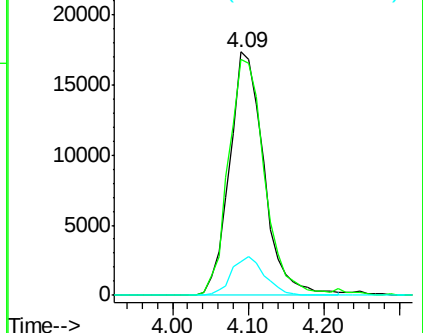
192 15.1 10.6 16.0



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



#41

Methacrylonitrile

Concen: 1.077 ug/l

RT: 4.70 min Scan# 413

Delta R.T. -0.04 min

Lab File: VF061369.D

Acq: 11 Jan 2019 15:42

Tgt Ion: 41 Resp: 359

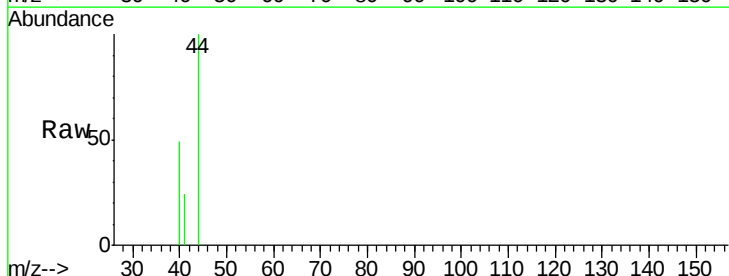
Ion Ratio Lower Upper

41 100

39 0.0 52.7 79.1#

67 0.0 41.4 62.2#

52 0.0 33.0 49.4#

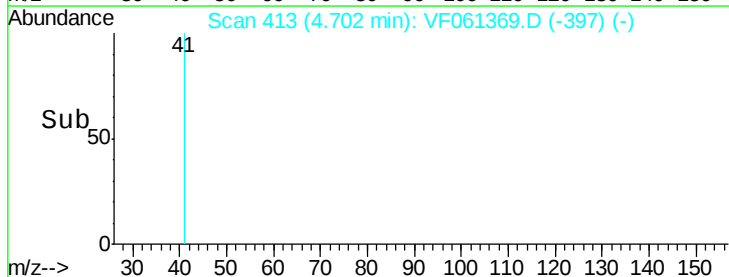
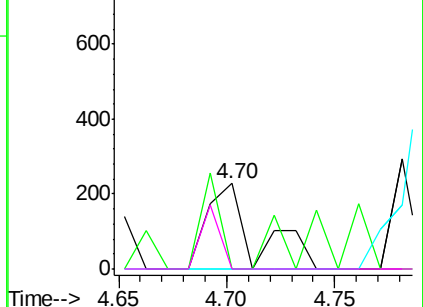


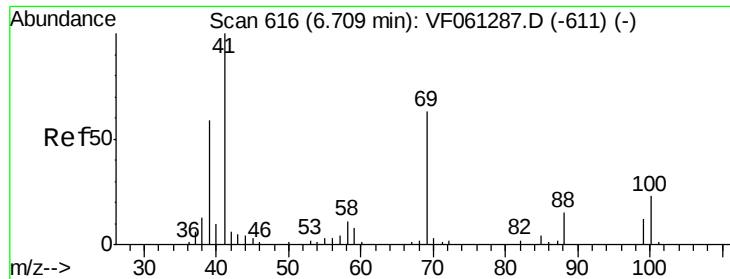
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

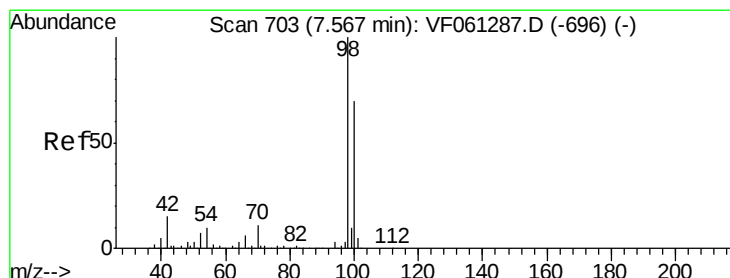
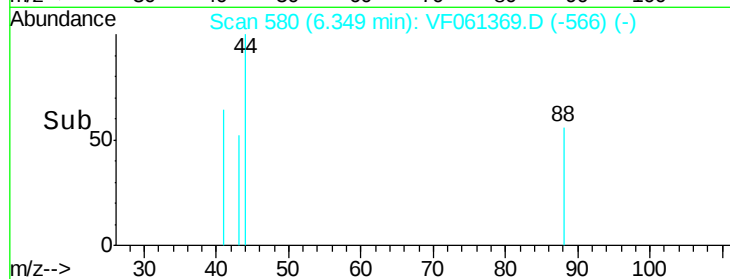
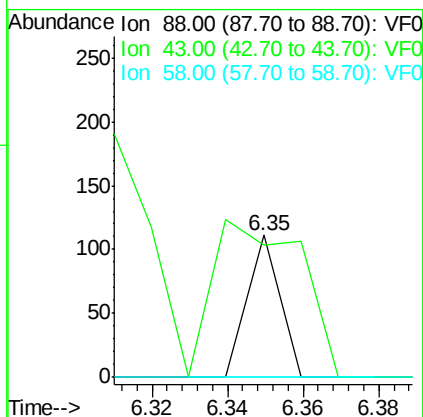
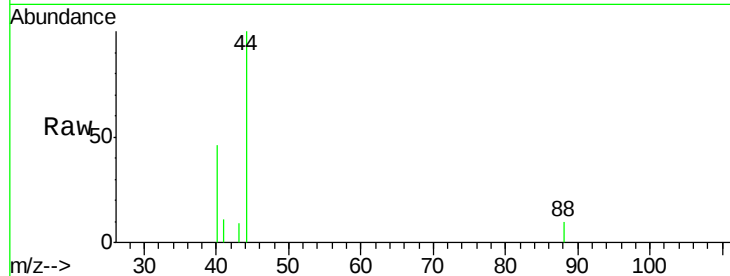




#49
1,4-Dioxane
Concen: 20.450 ug/l
RT: 6.35 min Scan# 580
Delta R.T. -0.36 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

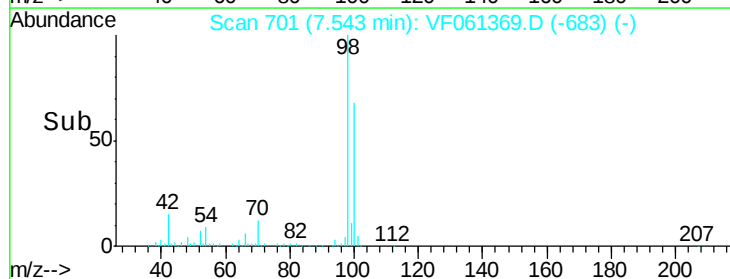
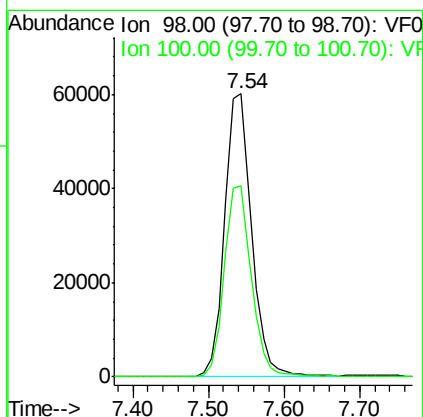
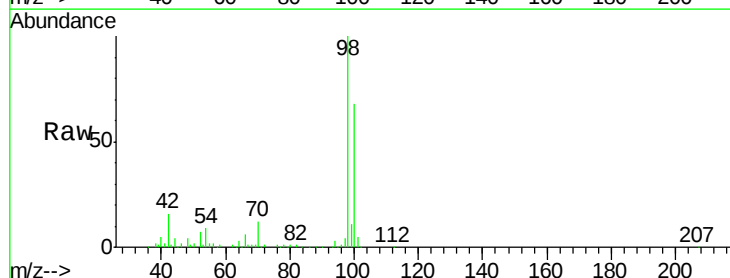
Instrument :
MSVOA_F
ClientSampled :
DS-C

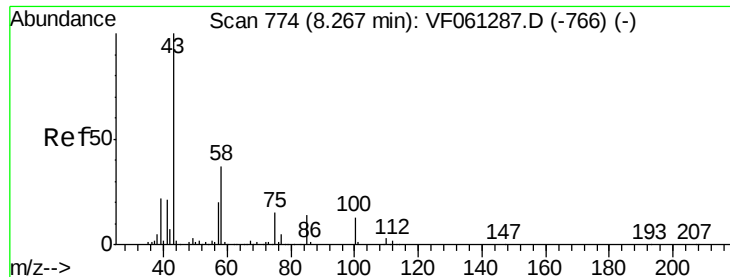
Tot Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 92.8 38.5 57.7#
58 0.0 57.0 85.4#



#50
Toluene-d8
Concen: 46.688 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion: 98 Resp: 148375
Ion Ratio Lower Upper
98 100
100 67.8 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 5.589 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061369.D

Acq: 11 Jan 2019 15:42

Instrument :

MSVOA_F

ClientSampled :

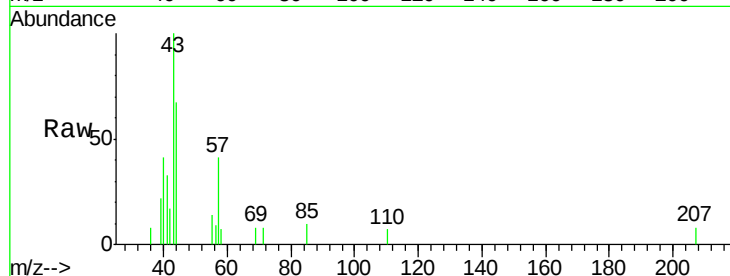
DS-C

Tot Ion: 43 Resp: 3324

Ion Ratio Lower Upper

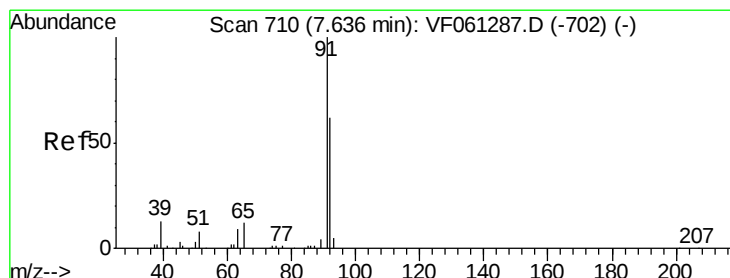
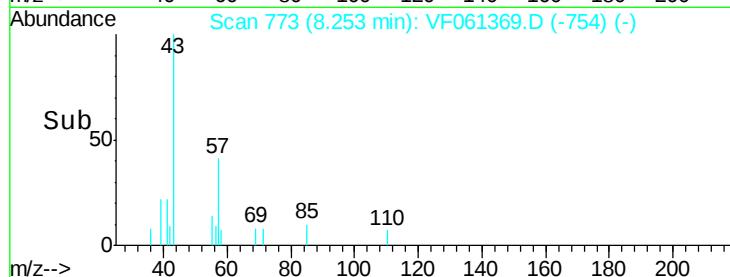
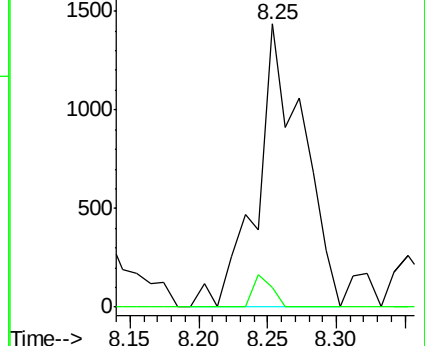
43 100

58 7.0 29.6 44.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 6.263 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061369.D

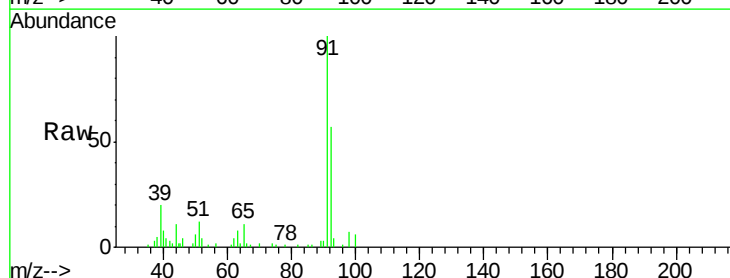
Acq: 11 Jan 2019 15:42

Tgt Ion: 92 Resp: 15403

Ion Ratio Lower Upper

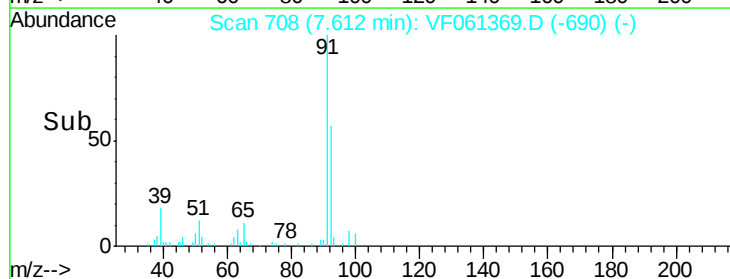
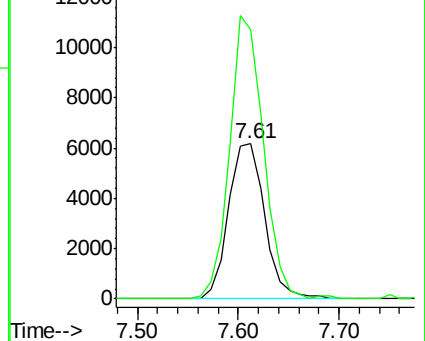
92 100

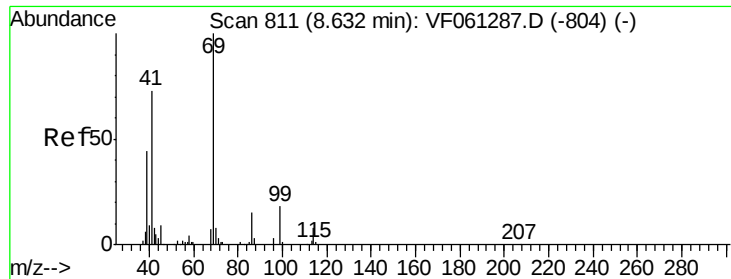
91 174.1 129.2 193.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#56

Ethyl methacrylate

Concen: 5.927 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.02 min

Lab File: VF061369.D

Acq: 11 Jan 2019 15:42

Instrument :

MSVOA_F

ClientSampleId :

DS-C

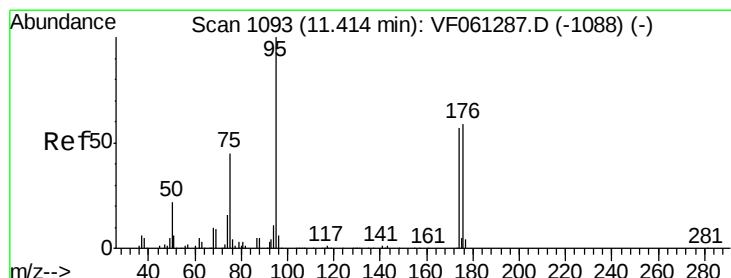
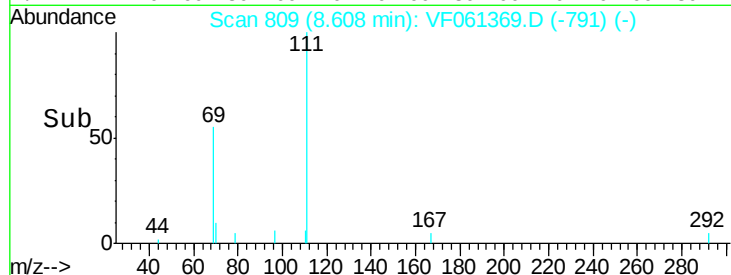
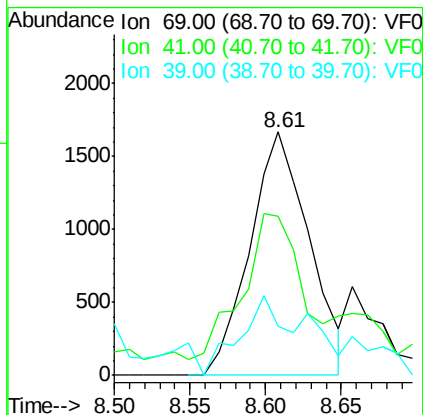
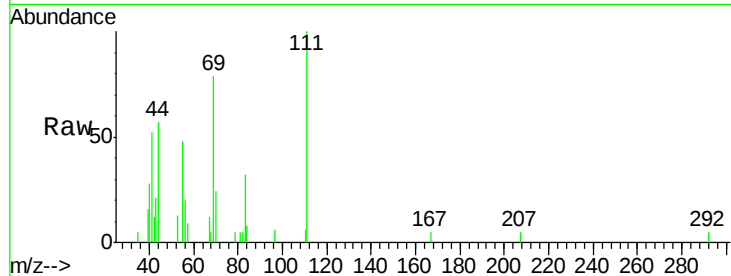
Tot Ion: 69 Resp: 4559

Ion Ratio Lower Upper

69 100

41 65.5 59.0 88.4

39 20.0 35.3 52.9#



#62

4-Bromofluorobenzene

Concen: 42.335 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061369.D

Acq: 11 Jan 2019 15:42

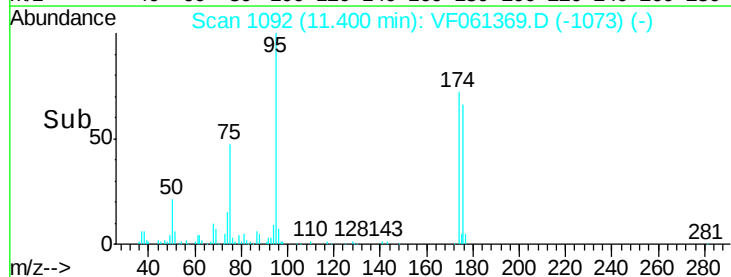
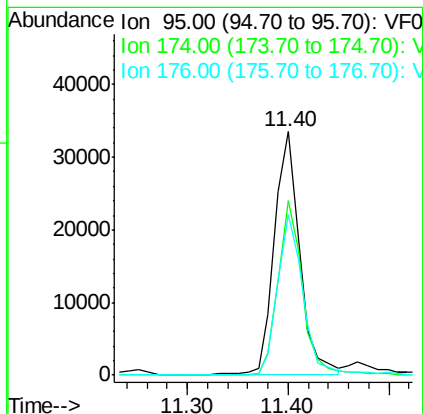
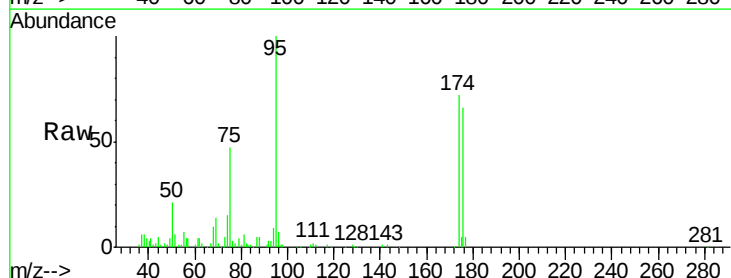
Tgt Ion: 95 Resp: 58749

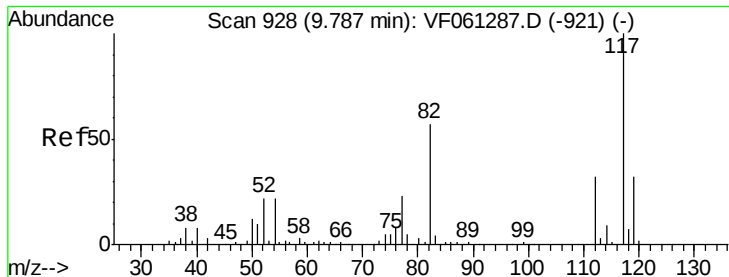
Ion Ratio Lower Upper

95 100

174 71.8 0.0 114.2

176 65.9 0.0 117.8

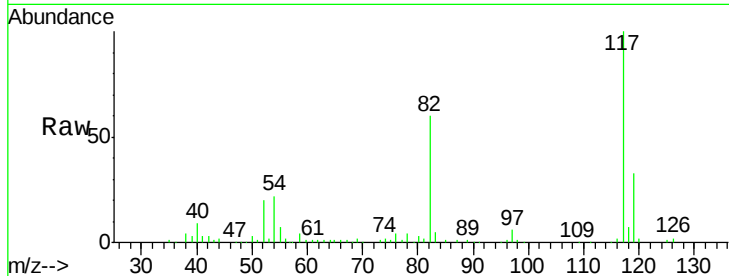




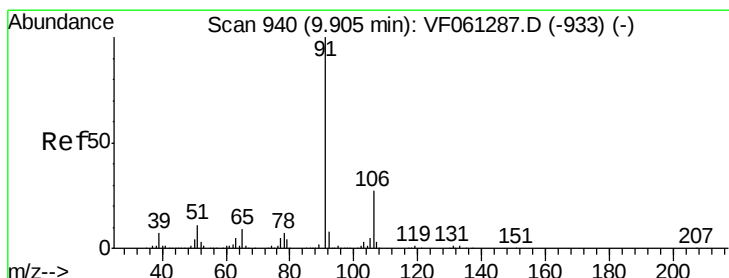
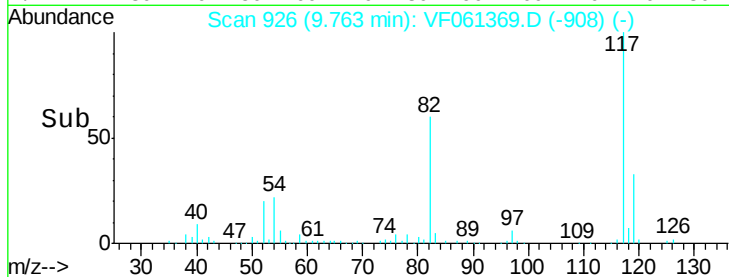
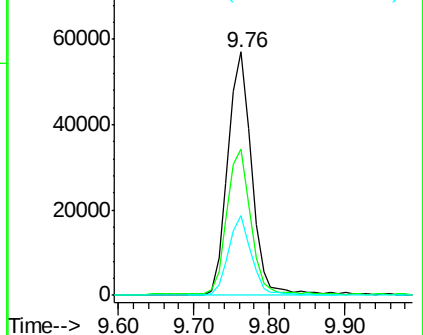
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Instrument :
MSVOA_F
ClientSampled :
DS-C

Tot Ion:117 Resp: 125204
Ion Ratio Lower Upper
117 100
82 60.1 45.3 67.9
119 32.6 25.4 38.0

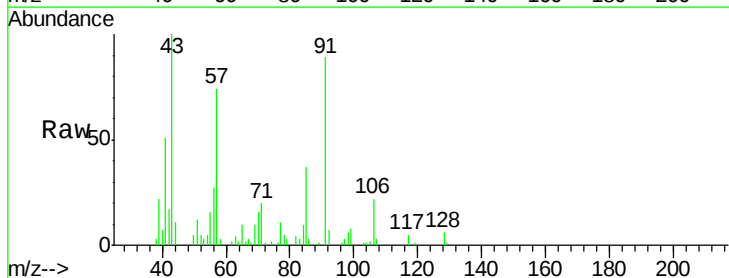


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

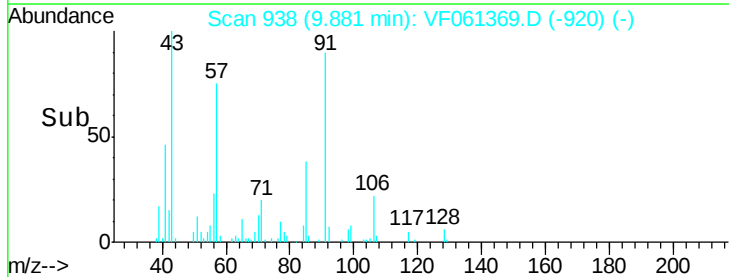
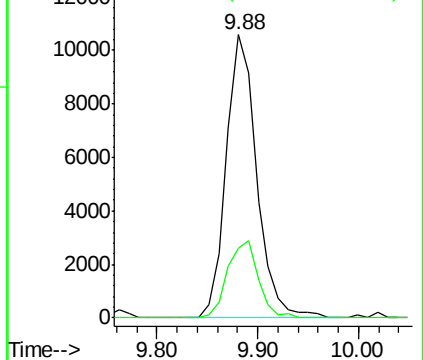


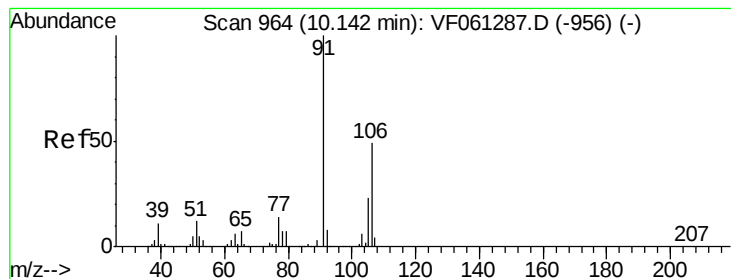
#67
Ethyl Benzene
Concen: 4.570 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.02 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion: 91 Resp: 22280
Ion Ratio Lower Upper
91 100
106 24.4 21.4 32.2



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 17.552 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF061369.D

Acq: 11 Jan 2019 15:42

Instrument :

MSVOA_F

ClientSampleId :

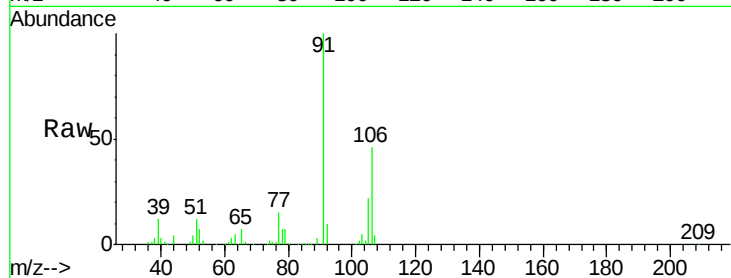
DS-C

Tot Ion:106 Resp: 29846

Ion Ratio Lower Upper

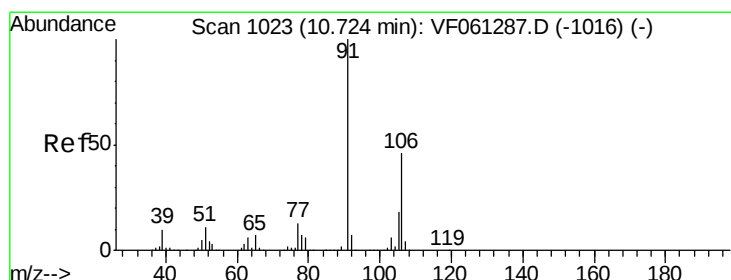
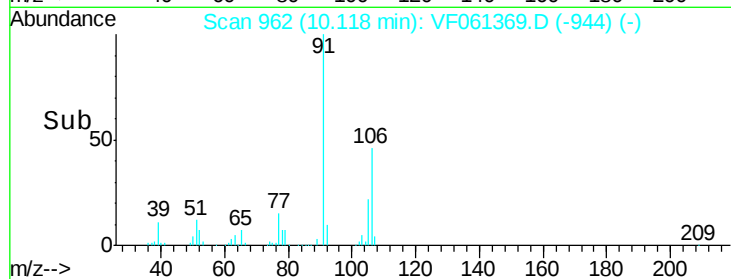
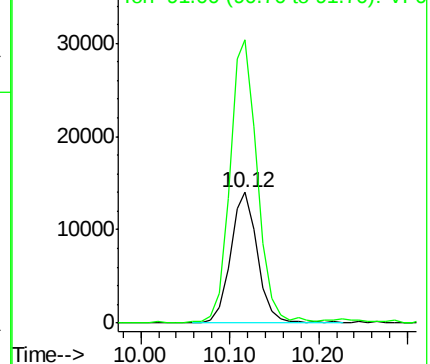
106 100

91 216.8 165.0 247.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 9.874 ug/l

RT: 10.70 min Scan# 1021

Delta R.T. -0.02 min

Lab File: VF061369.D

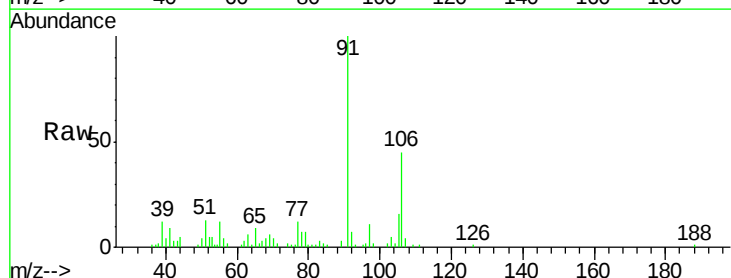
Acq: 11 Jan 2019 15:42

Tgt Ion:106 Resp: 18756

Ion Ratio Lower Upper

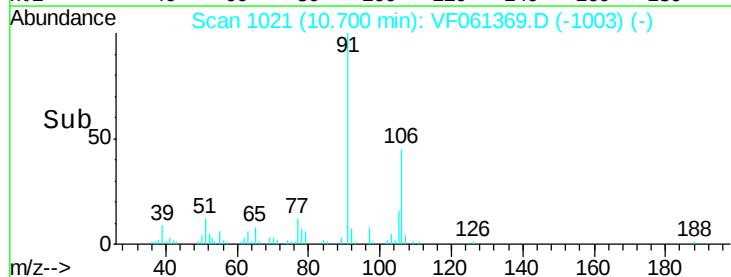
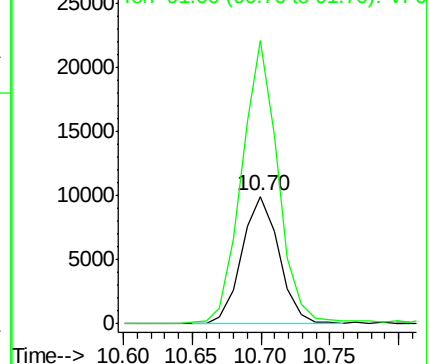
106 100

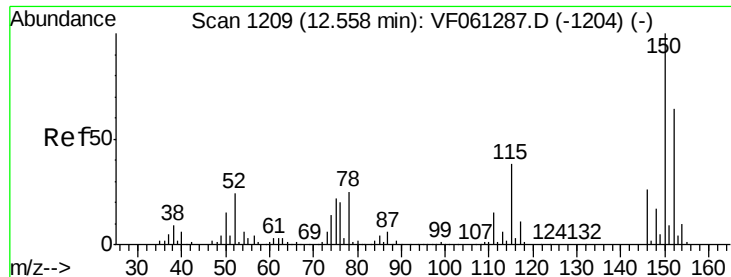
91 221.7 108.1 324.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



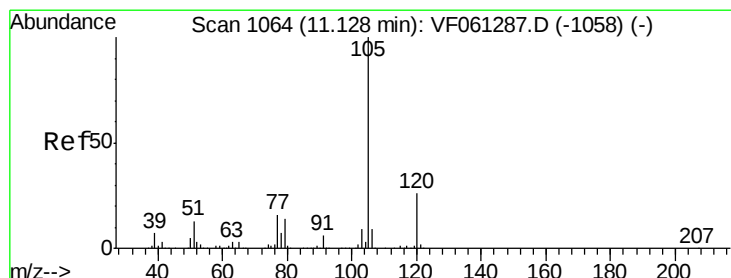
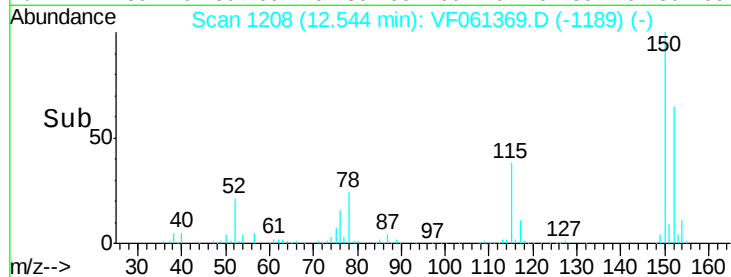
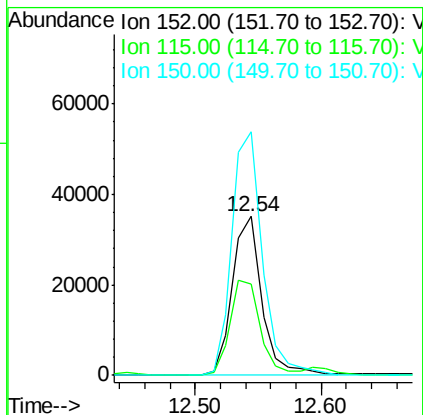
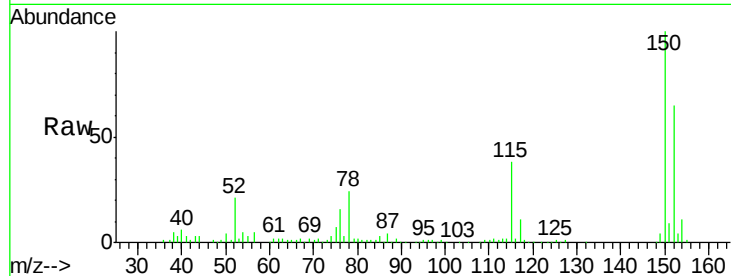


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Instrument :
MSVOA_F
ClientSampled :
DS-C

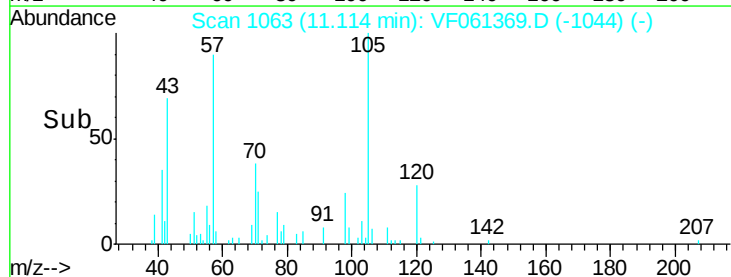
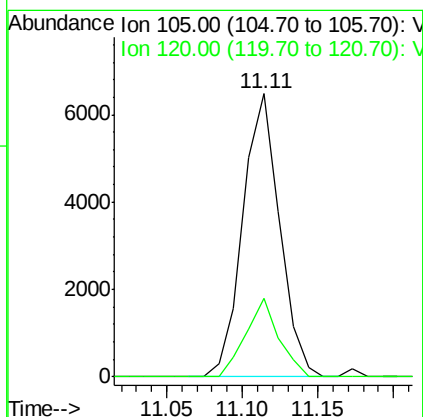
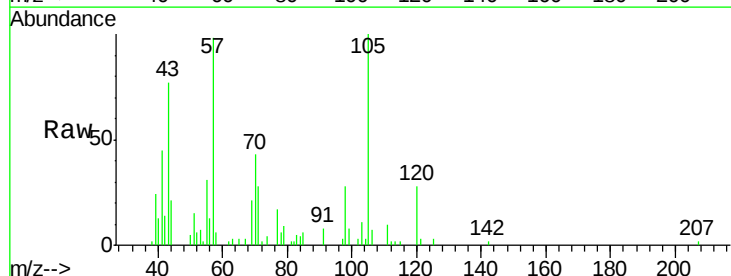
Tot Ion:152 Resp: 57172
Ion Ratio Lower Upper
152 100
115 57.7 29.6 88.9
150 153.6 0.0 315.4

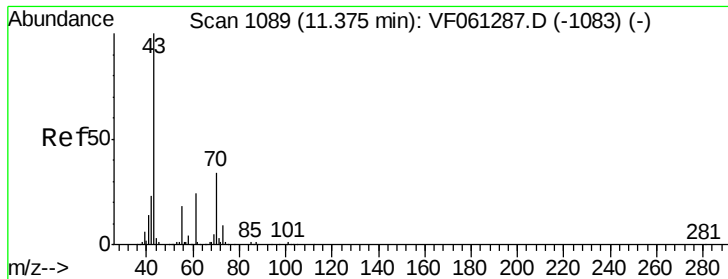


#73

Isopropylbenzene
Concen: 2.177 ug/l
RT: 11.11 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion:105 Resp: 10953
Ion Ratio Lower Upper
105 100
120 27.7 12.9 38.7





#74

N-amvl acetate

Concen: 9.343 ug/l

RT: 11.25 min Scan# 1077

Delta R.T. -0.12 min

Lab File: VF061369.D

Acq: 11 Jan 2019 15:42

Instrument :

MSVOA_F

ClientSampleId :

DS-C

Tot Ion: 43 Resp: 10685

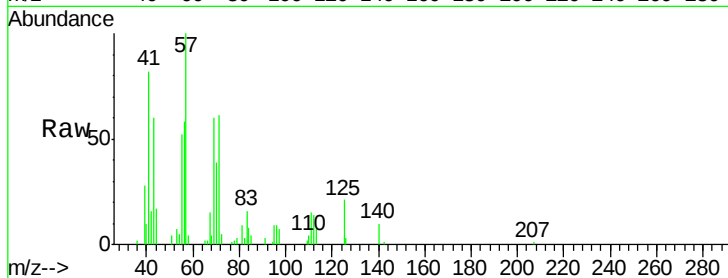
Ion Ratio Lower Upper

43 100

70 64.8 27.4 41.0#

55 85.6 14.7 22.1#

61 0.0 19.0 28.4#

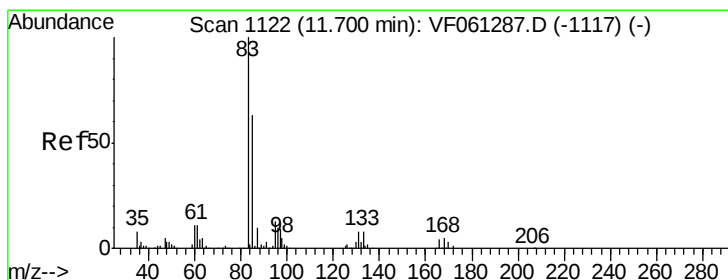
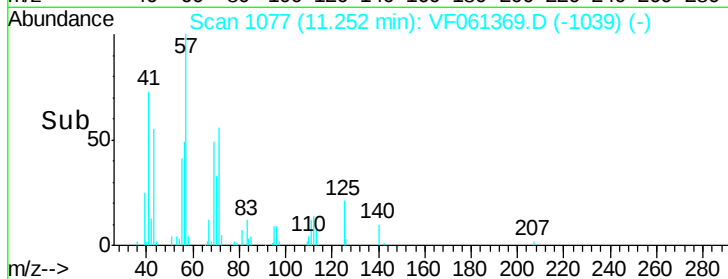
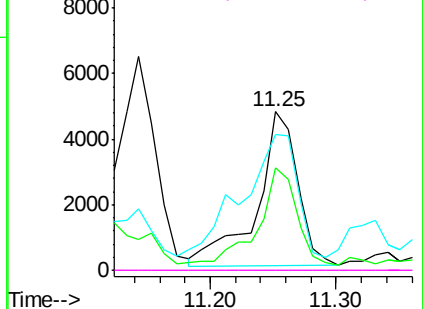


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#75

1,1,2,2-Tetrachloroethane

Concen: 2.048 ug/l

RT: 11.66 min Scan# 1118

Delta R.T. -0.04 min

Lab File: VF061369.D

Acq: 11 Jan 2019 15:42

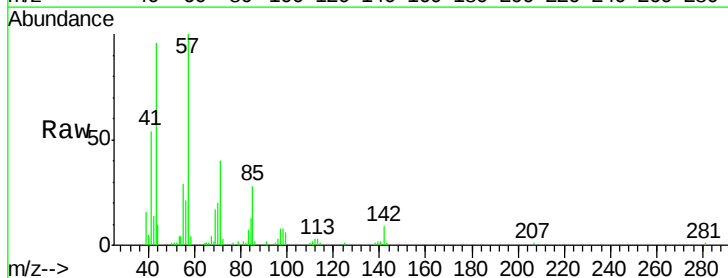
Tgt Ion: 83 Resp: 1634

Ion Ratio Lower Upper

83 100

131 0.0 3.9 11.7#

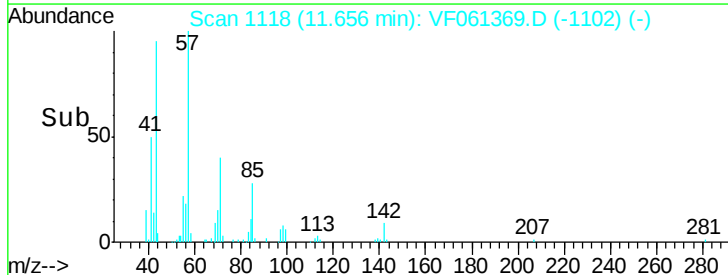
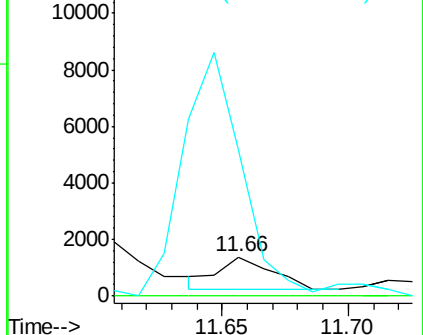
85 376.1 31.6 94.7#

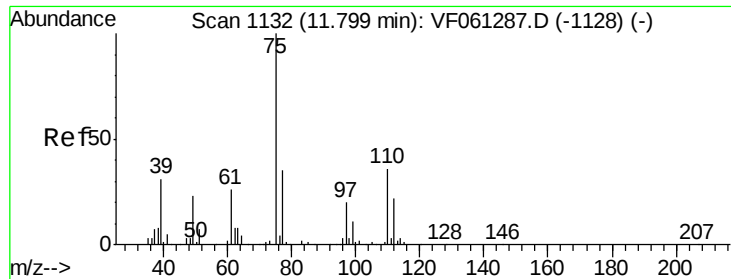


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0

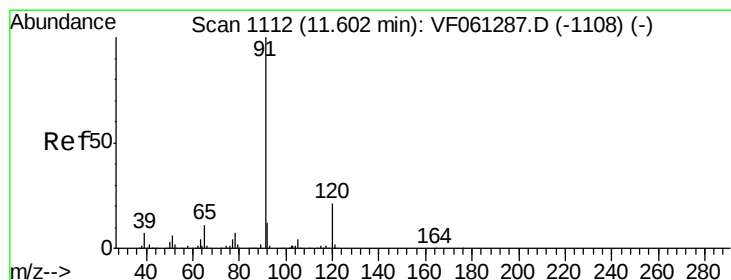
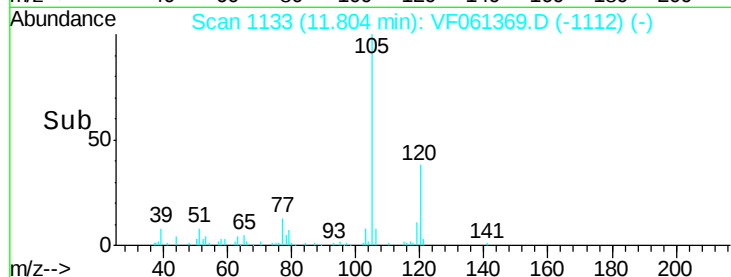
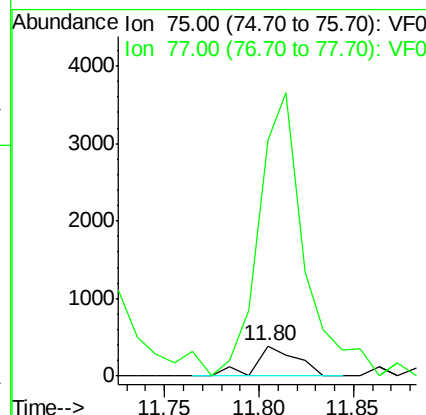
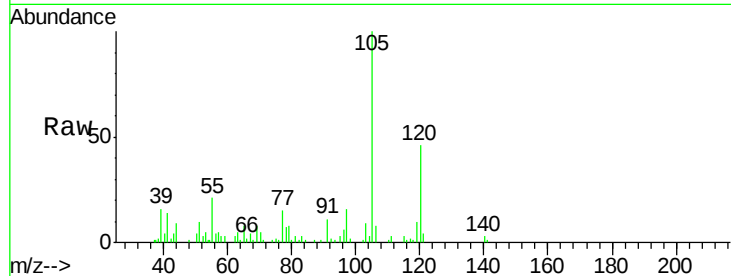




#76
1,2,3-Trichloropropane
Concen: 1.008 ug/l
RT: 11.80 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

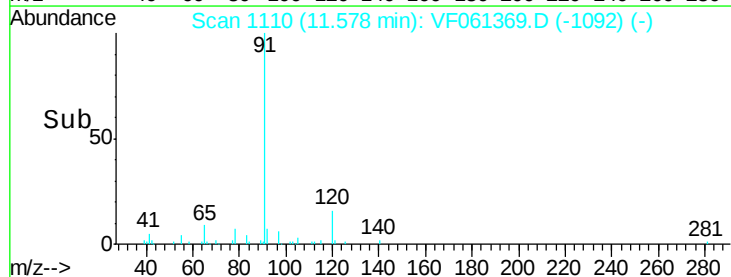
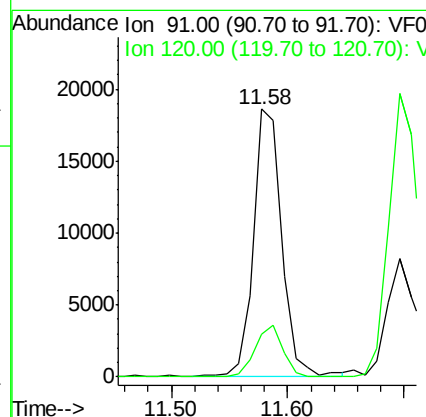
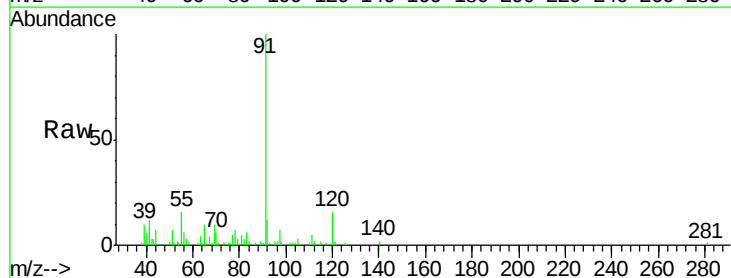
Instrument :
MSVOA_F
ClientSampleId :
DS-C

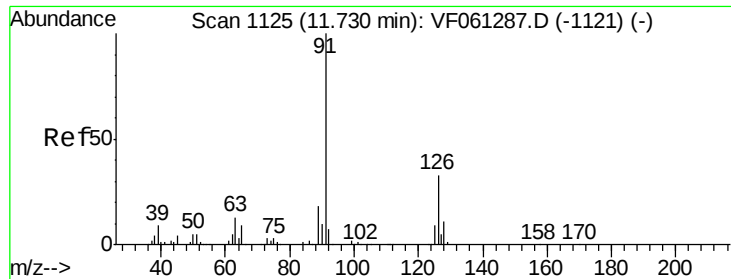
Tot Ion: 75 Resp: 590
Ion Ratio Lower Upper
75 100
77 783.8 17.5 52.5#



#78
n-propylbenzene
Concen: 5.255 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion: 91 Resp: 31523
Ion Ratio Lower Upper
91 100
120 15.9 10.7 32.1





#79

2-Chlorotoluene

Concen: 4.595 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF061369.D

Acq: 11 Jan 2019 15:42

Instrument :

MSVOA_F

ClientSampled :

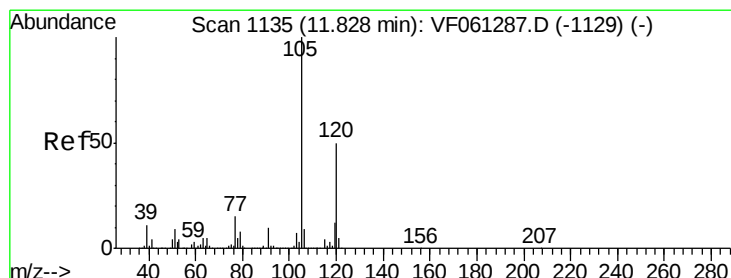
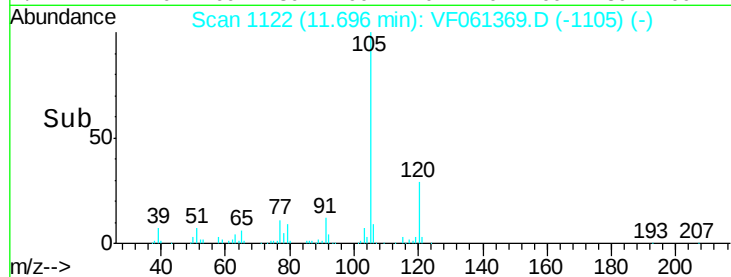
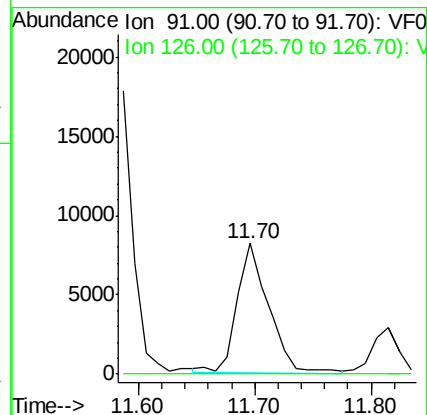
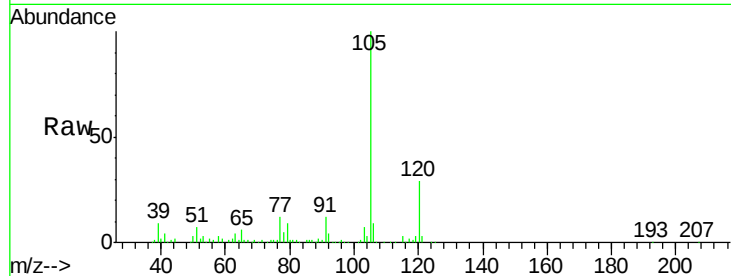
DS-C

Tot Ion: 91 Resp: 15356

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.8#



#80

1,3,5-Trimethylbenzene

Concen: 10.157 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF061369.D

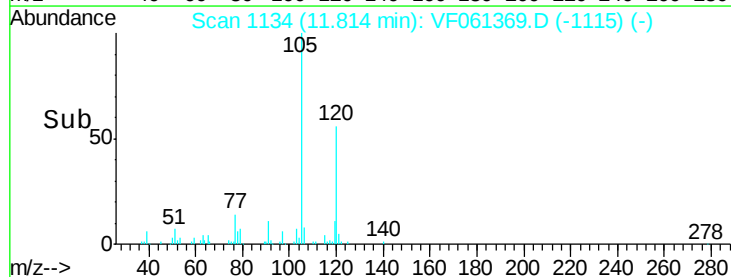
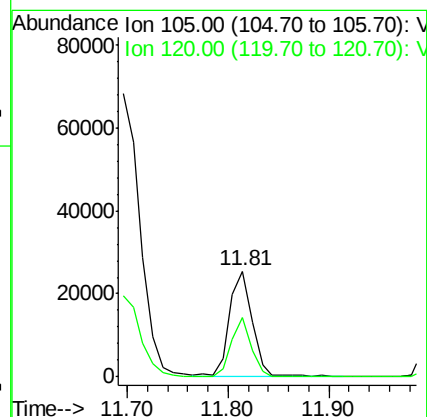
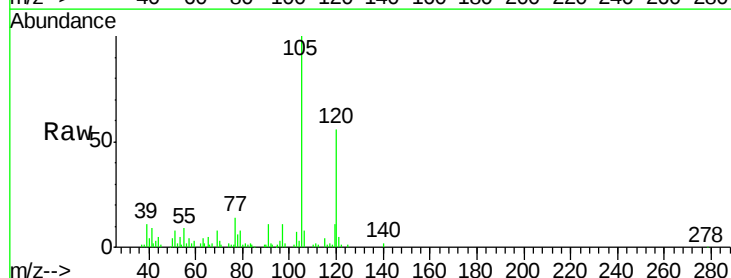
Acq: 11 Jan 2019 15:42

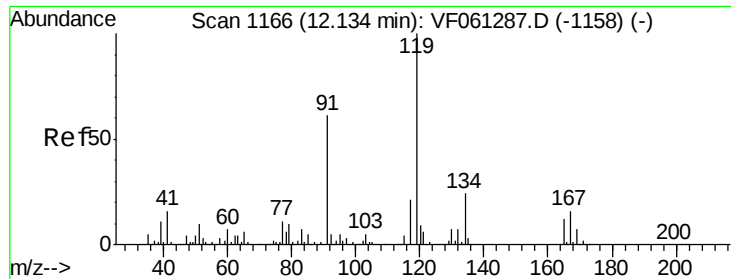
Tgt Ion: 105 Resp: 40658

Ion Ratio Lower Upper

105 100

120 55.6 25.2 75.6

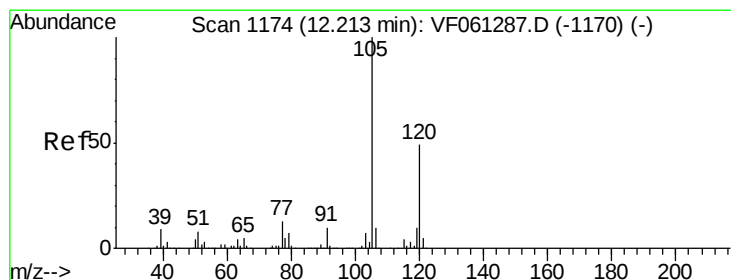
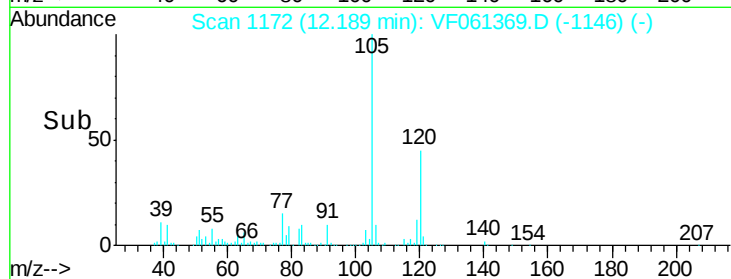
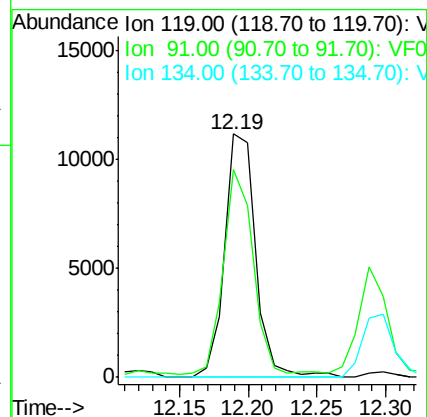
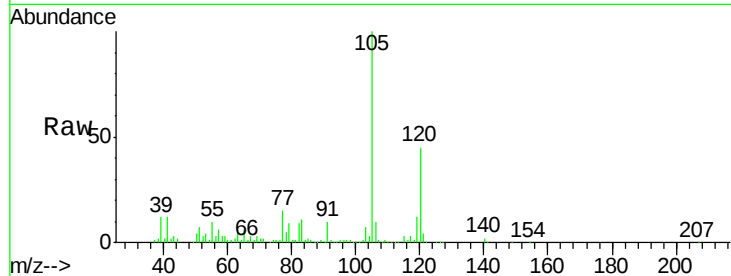




#83
tert-Butylbenzene
Concen: 4.380 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. 0.05 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

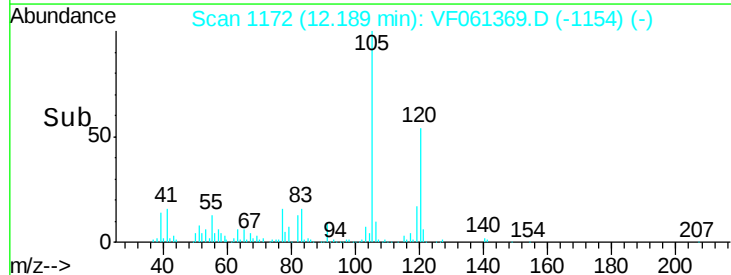
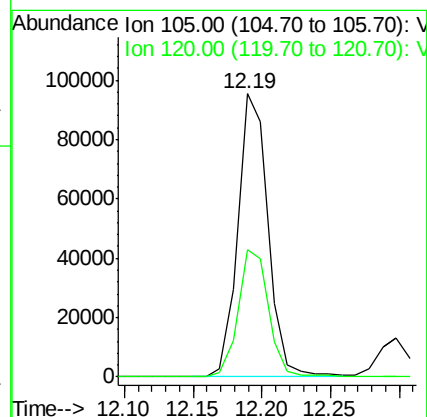
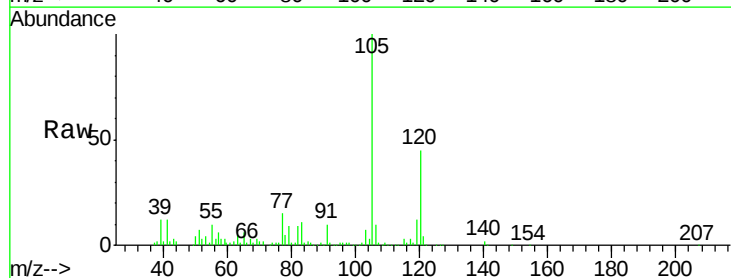
Instrument :
MSVOA_F
ClientSampleId :
DS-C

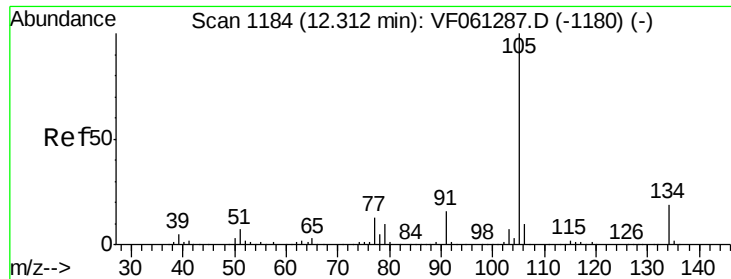
Tot Ion:119 Resp: 17470
Ion Ratio Lower Upper
119 100
91 85.4 30.8 92.4
134 0.0 11.9 35.9#



#84
1,2,4-Trimethylbenzene
Concen: 36.662 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion:105 Resp: 145710
Ion Ratio Lower Upper
105 100
120 45.2 24.7 74.1





#85

sec-Butylbenzene

Concen: 3.424 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF061369.D

Acq: 11 Jan 2019 15:42

Instrument :

MSVOA_F

ClientSampleId :

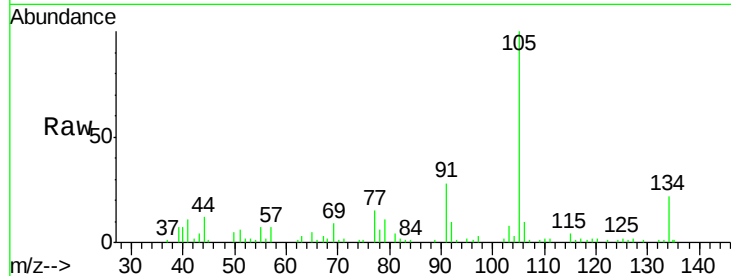
DS-C

Tot Ion:105 Resp: 19444

Ion Ratio Lower Upper

105 100

134 22.1 9.7 28.9



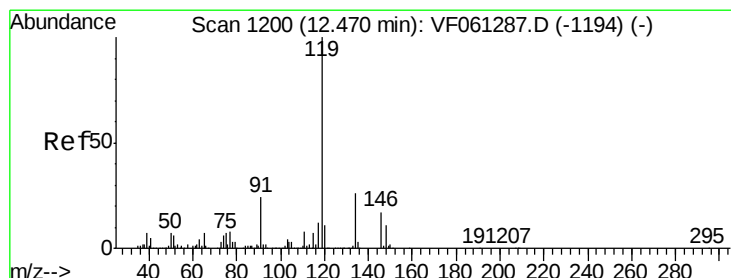
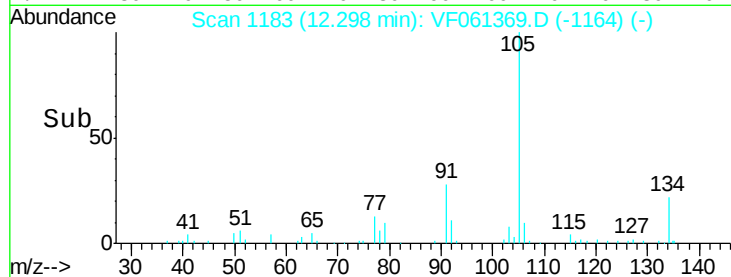
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.30

12.25 12.30 12.35

Time-->



#86

p-Isopropyltoluene

Concen: 6.858 ug/l

RT: 12.42 min Scan# 1195

Delta R.T. -0.05 min

Lab File: VF061369.D

Acq: 11 Jan 2019 15:42

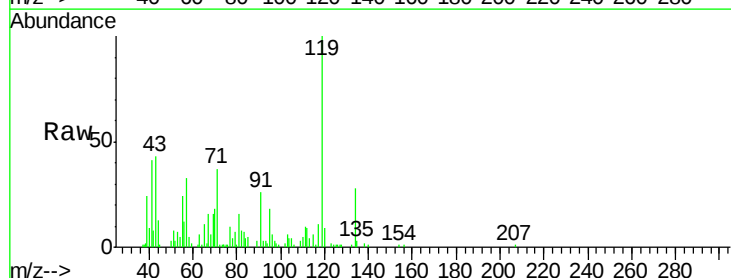
Tgt Ion:119 Resp: 31678

Ion Ratio Lower Upper

119 100

134 28.0 13.0 39.0

91 25.7 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

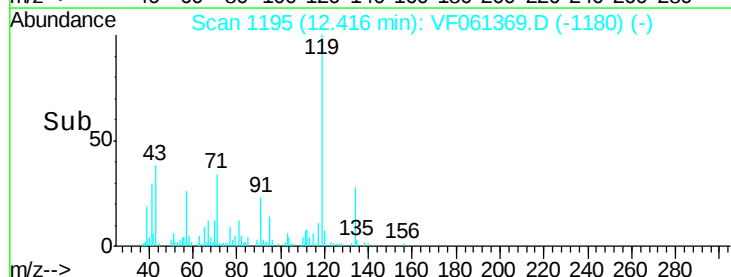
Ion 134.00 (133.70 to 134.70): V

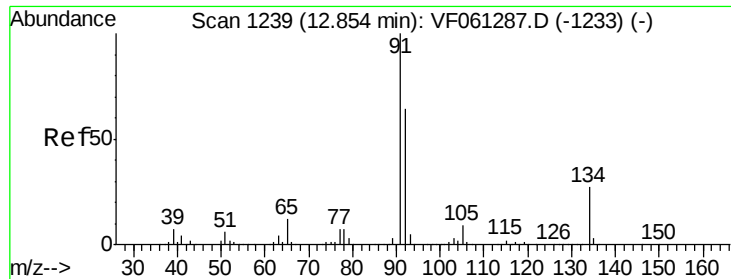
Ion 91.00 (90.70 to 91.70): V

12.42

12.40 12.42 12.44

Time-->

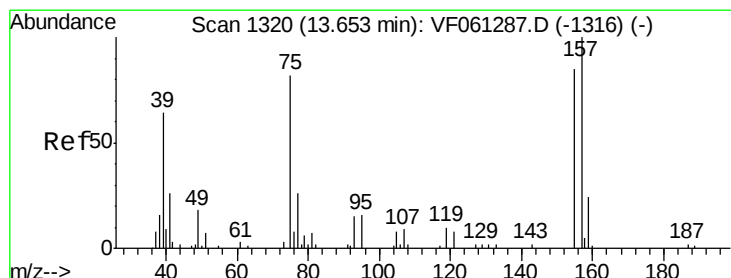
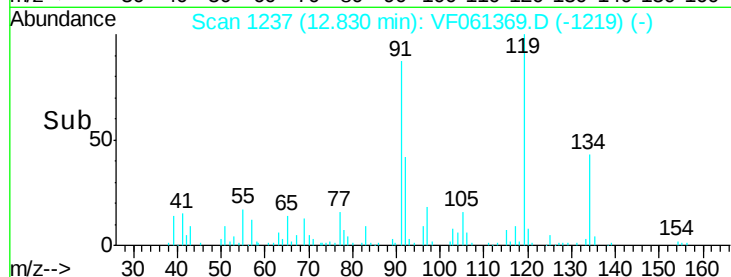
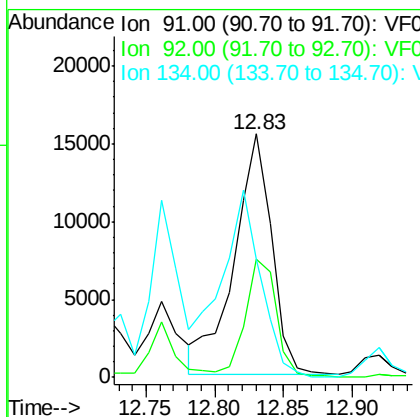
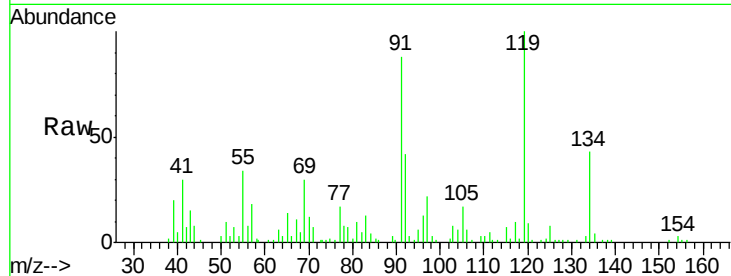




#89
n-Butylbenzene
Concen: 6.197 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

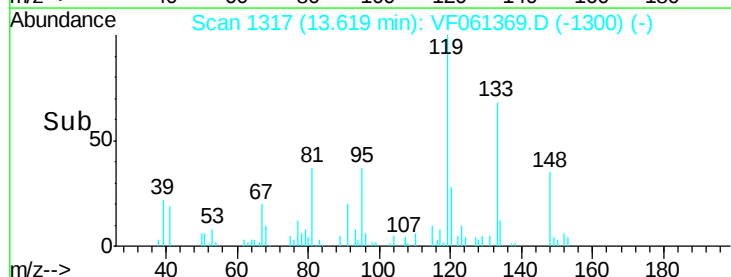
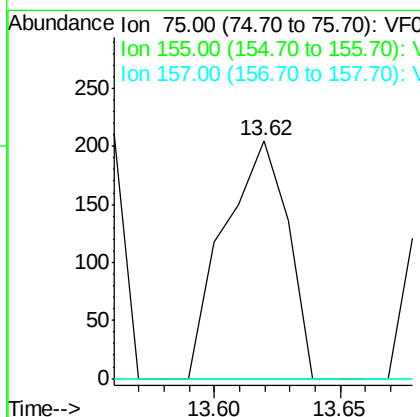
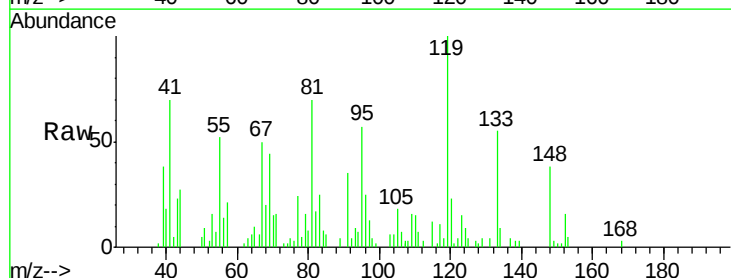
Instrument :
MSVOA_F
ClientSampleId :
DS-C

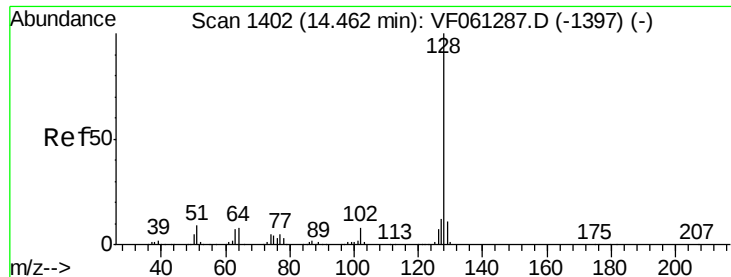
Tot Ion: 91 Resp: 29412
Ion Ratio Lower Upper
91 100
92 48.3 32.1 96.3
134 48.7 13.4 40.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.671 ug/l
RT: 13.62 min Scan# 1317
Delta R.T. -0.03 min
Lab File: VF061369.D
Acq: 11 Jan 2019 15:42

Tgt Ion: 75 Resp: 360
Ion Ratio Lower Upper
75 100
155 0.0 51.3 154.0#
157 0.0 60.7 182.0#





#95

Naphthalene

Concen: 6.013 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.01 min

Lab File: VF061369.D

Acq: 11 Jan 2019 15:42

Instrument :

MSVOA_F

ClientSampleId :

DS-C

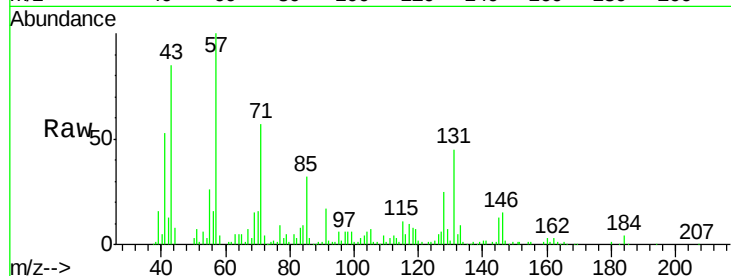
Tot Ion:128 Resp: 14547

Ion Ratio Lower Upper

128 100

127 24.0 9.4 14.0#

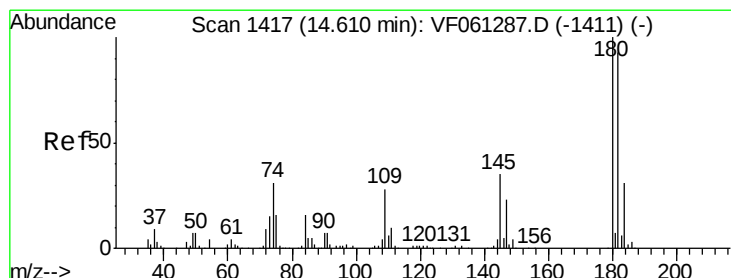
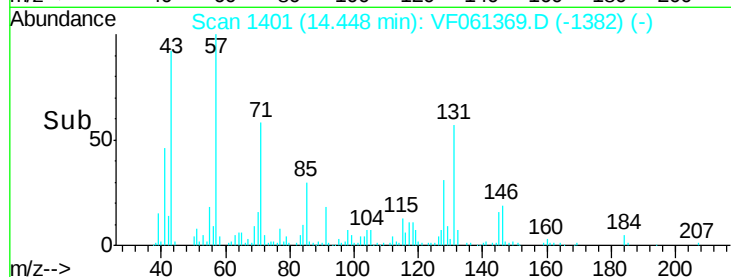
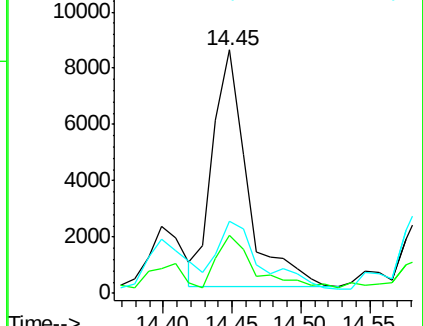
129 29.7 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.059 ug/l

RT: 14.63 min Scan# 1419

Delta R.T. 0.02 min

Lab File: VF061369.D

Acq: 11 Jan 2019 15:42

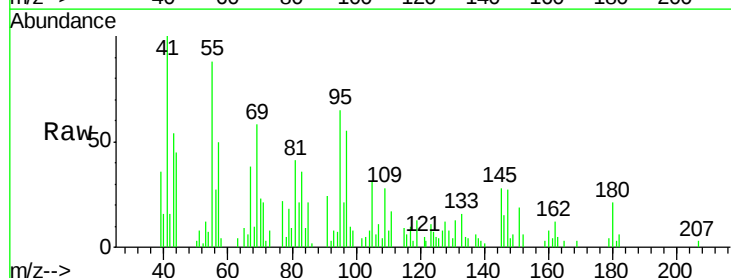
Tgt Ion:180 Resp: 1281

Ion Ratio Lower Upper

180 100

182 27.7 46.5 139.3#

145 130.2 17.5 52.6#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

