

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011119\
 Data File : VF061367.D
 Acq On : 11 Jan 2019 14:45
 Operator : VA/AP
 Sample : K1119-01
 Misc : 5.49g/5mL/MSVOA-F/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 DS-A

Quant Time: Jan 12 03:32:24 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	136842	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	240255	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	174067	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	66619	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	81880	53.76	ug/l	-0.02
Spiked Amount			Recovery	=	107.52%	
35) Dibromofluoromethane	4.10	113	96589	52.54	ug/l	-0.02
Spiked Amount			Recovery	=	105.08%	
50) Toluene-d8	7.53	98	253876	46.67	ug/l	-0.03
Spiked Amount			Recovery	=	93.34%	
62) 4-Bromofluorobenzene	11.40	95	101644	42.79	ug/l	-0.02
Spiked Amount			Recovery	=	85.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.27	94	436	3.148	ug/l #	6
11) Tert butyl alcohol	2.55	59	66	1.082	ug/l #	1
13) Acrolein	2.07	56	353	Below Cal		99
18) Methyl Acetate	2.32	43	739	1.060	ug/l #	65
20) Methylene Chloride	2.17	84	12070	8.052	ug/l #	80
29) Tetrahydrofuran	4.07	42	354	1.485	ug/l #	36
39) Methylcyclohexane	5.44	83	4236	1.207	ug/l #	74
48) Methyl methacrylate	6.58	41	5996	6.848	ug/l #	43
49) 1,4-Dioxane	6.42	88	83	15.024	ug/l #	1
51) 4-Methyl-2-Pentanone	8.26	43	13165	12.931	ug/l #	48
52) Toluene	7.60	92	27442	6.518	ug/l	88
56) Ethyl methacrylate	8.61	69	20570	15.622	ug/l #	79
59) 2-Hexanone	9.40	43	3088	4.281	ug/l #	27
67) Ethyl Benzene	9.88	91	107608	15.878	ug/l	96
68) m/p-Xylenes	10.12	106	156851	66.348	ug/l	99
69) o-Xylene	10.70	106	95476	36.154	ug/l	99
73) Isopropylbenzene	11.11	105	70267	11.987	ug/l	98
74) N-amyl acetate	11.38	43	16299	12.231	ug/l #	21
75) 1,1,2,2-Tetrachloroethane	11.72	83	3862	4.155	ug/l #	61
76) 1,2,3-Trichloropropane	11.81	75	4037	5.922	ug/l #	1
78) n-propylbenzene	11.58	91	246262	35.234	ug/l	95
79) 2-Chlorotoluene	11.70	91	106131	27.254	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.81	105	310352	66.535	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.81	75	4037	13.551	ug/l #	1
82) 4-Chlorotoluene	11.81	91	34267	8.660	ug/l #	43
83) tert-Butylbenzene	12.20	119	115428	24.838	ug/l #	59
84) 1,2,4-Trimethylbenzene	12.20	105	944812	204.015	ug/l	99
85) sec-Butylbenzene	12.30	105	158546	23.960	ug/l	94
86) p-Isopropyltoluene	12.42	119	254350	47.258	ug/l	97
89) n-Butylbenzene	12.83	91	229710	41.538	ug/l #	69
90) Hexachloroethane	12.92	117	7435	6.039	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.70	75	8481	54.003	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.35	180	7111	4.754	ug/l	63
95) Naphthalene	14.45	128	91500	32.457	ug/l #	33

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Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

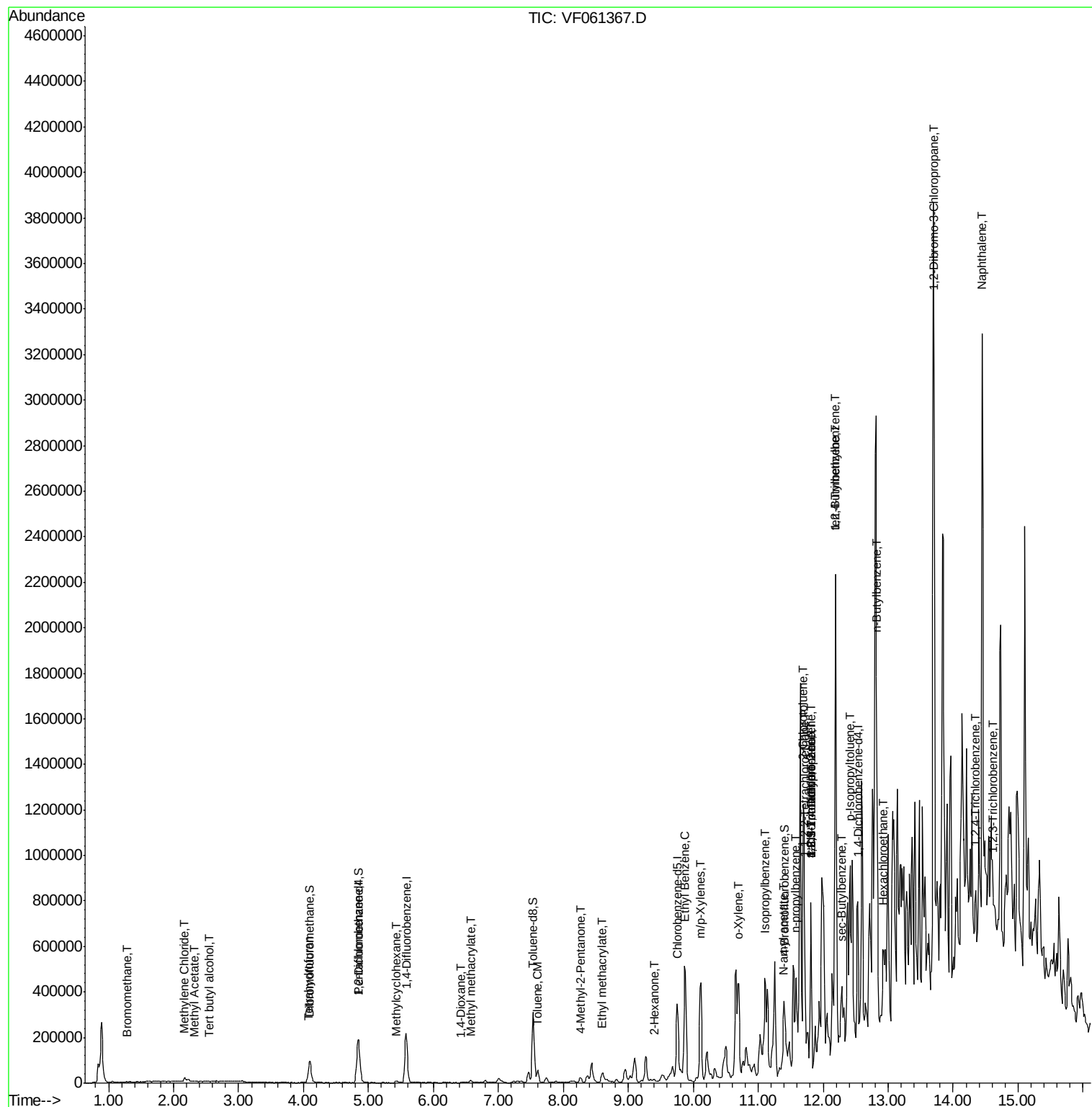
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.62	180	17956	12.742	ug/l #	8

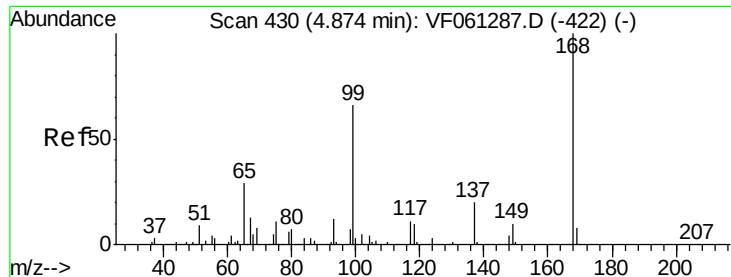
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF061367.D

Acq: 11 Jan 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

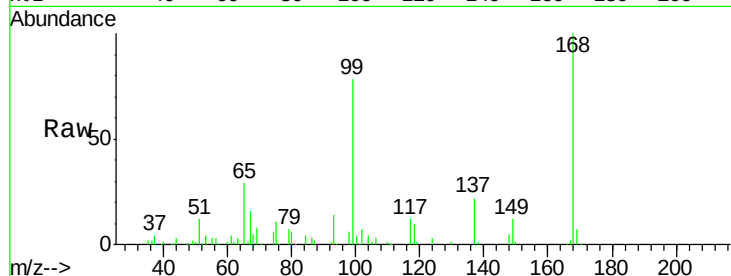
DS-A

Tot Ion:168 Resp: 136842

Ion Ratio Lower Upper

168 100

99 77.7 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

40000

30000

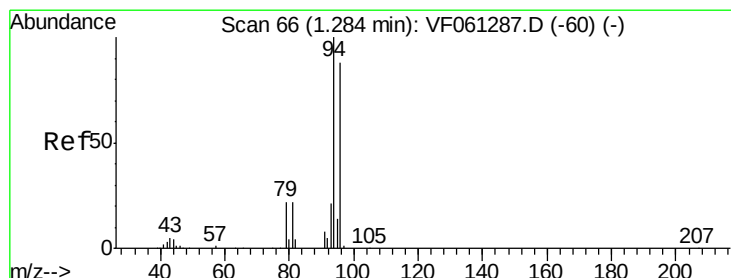
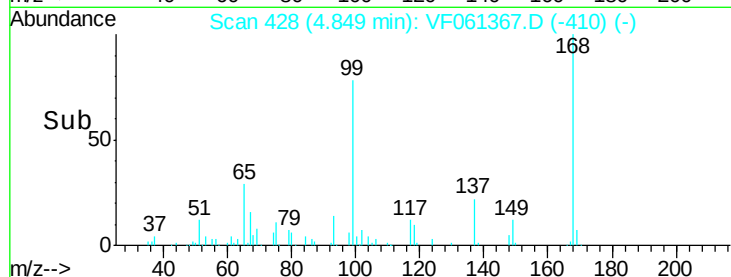
20000

10000

0

4.70 4.80 4.90 5.00

Time-->



#5

Bromomethane

Concen: 3.148 ug/l

RT: 1.27 min Scan# 65

Delta R.T. -0.01 min

Lab File: VF061367.D

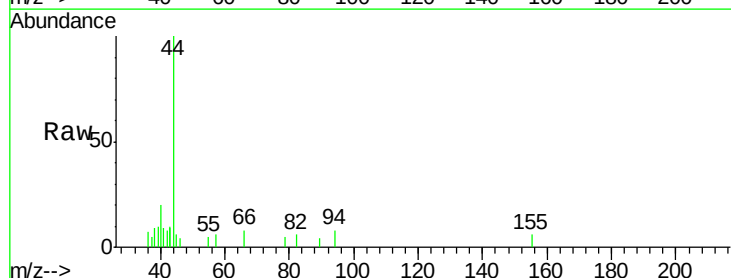
Acq: 11 Jan 2019 14:45

Tgt Ion: 94 Resp: 436

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

300

250

200

150

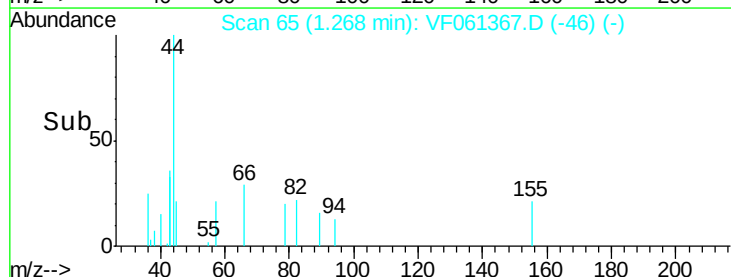
100

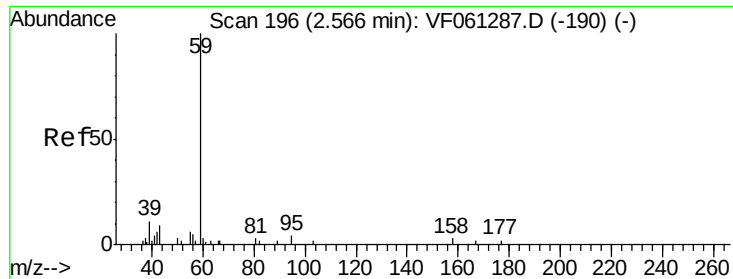
50

0

1.25 1.30

Time-->

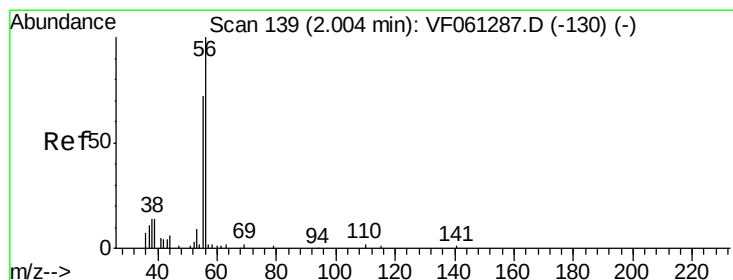
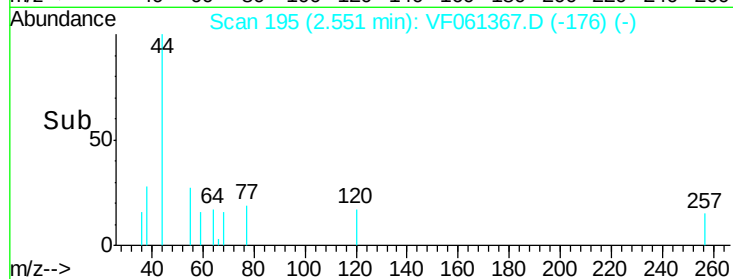
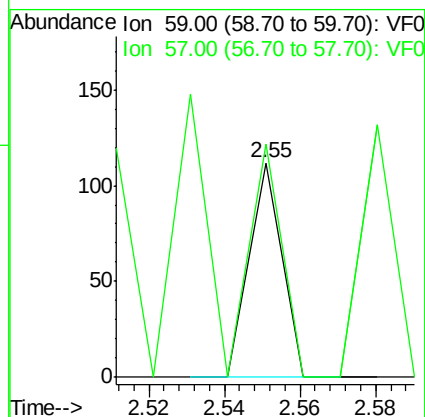
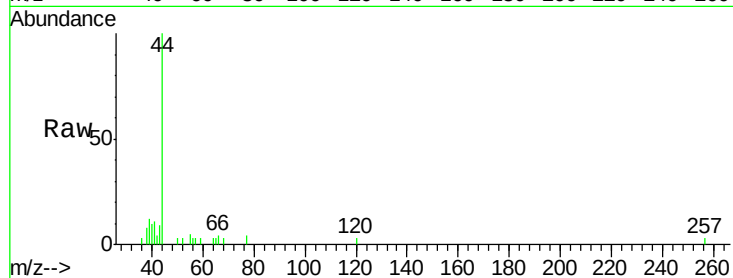




#11
Tert butyl alcohol
Concen: 1.082 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.02 min
Lab File: VF061367.D
Acq: 11 Jan 2019 14:45

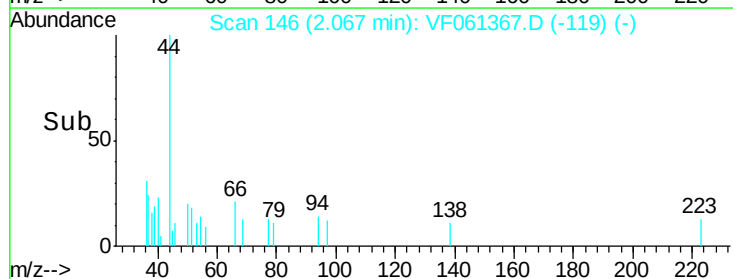
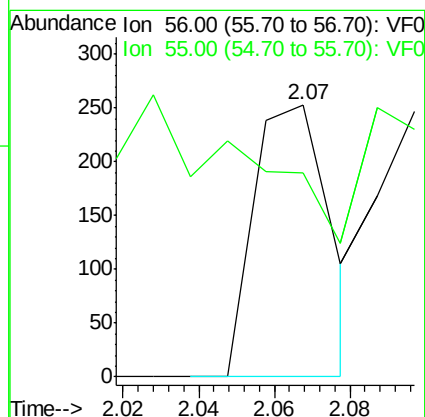
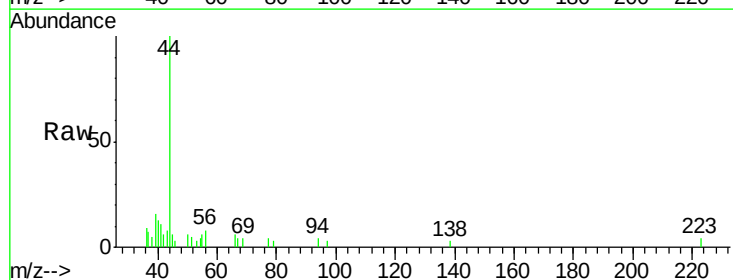
Instrument :
MSVOA_F
ClientSampleId :
DS-A

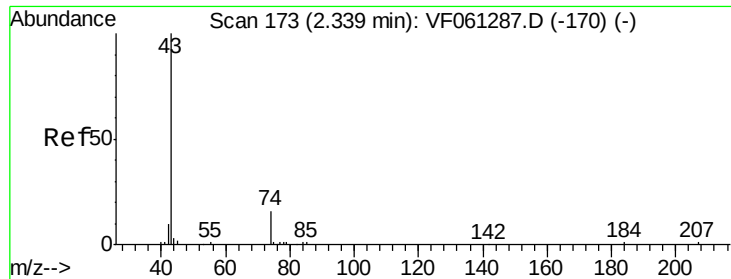
Tot Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 108.9 15.1 22.7#



#13
Acrolein
Concen: Below Cal
RT: 2.07 min Scan# 146
Delta R.T. 0.06 min
Lab File: VF061367.D
Acq: 11 Jan 2019 14:45

Tgt Ion: 56 Resp: 353
Ion Ratio Lower Upper
56 100
55 75.1 59.4 89.0

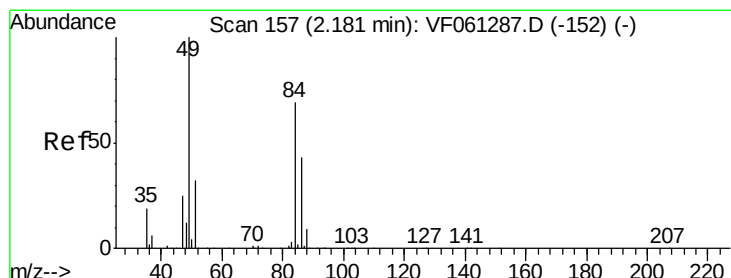
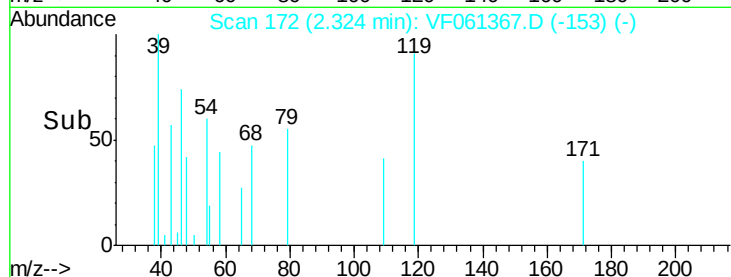
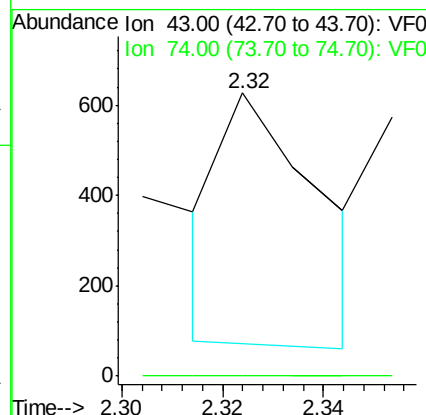
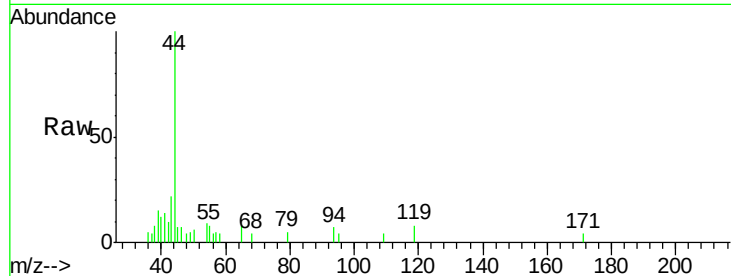




#18
Methyl Acetate
Concen: 1.060 ug/l
RT: 2.32 min Scan# 172
Delta R.T. -0.02 min
Lab File: VF061367.D
Acq: 11 Jan 2019 14:45

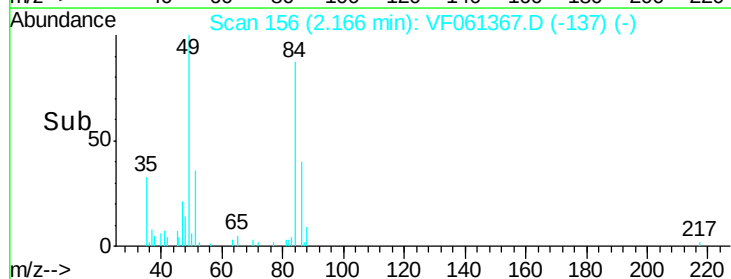
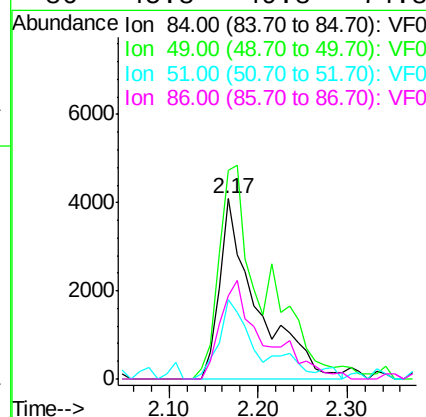
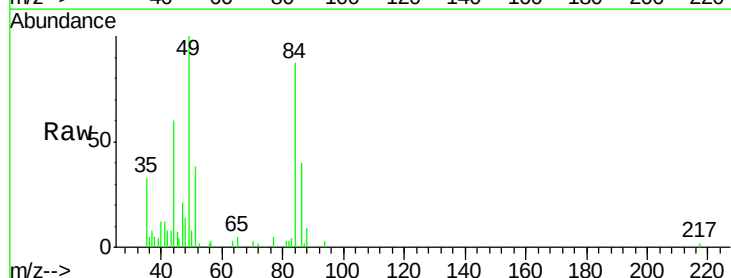
Instrument :
MSVOA_F
ClientSampled :
DS-A

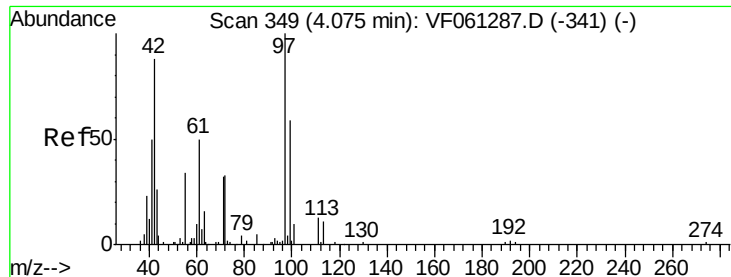
Tot Ion: 43 Resp: 739
Ion Ratio Lower Upper
43 100
74 0.0 11.6 17.4#



#20
Methylene Chloride
Concen: 8.052 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.02 min
Lab File: VF061367.D
Acq: 11 Jan 2019 14:45

Tgt Ion: 84 Resp: 12070
Ion Ratio Lower Upper
84 100
49 115.5 116.6 175.0#
51 44.4 37.7 56.5
86 45.8 49.8 74.8#

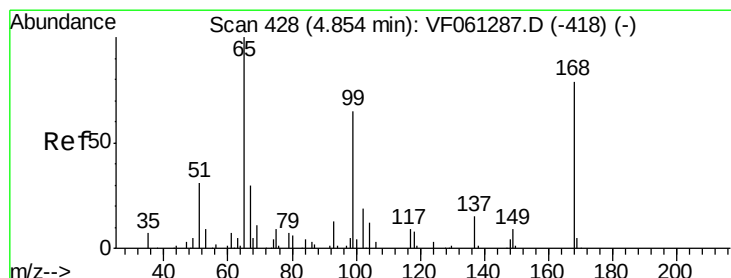
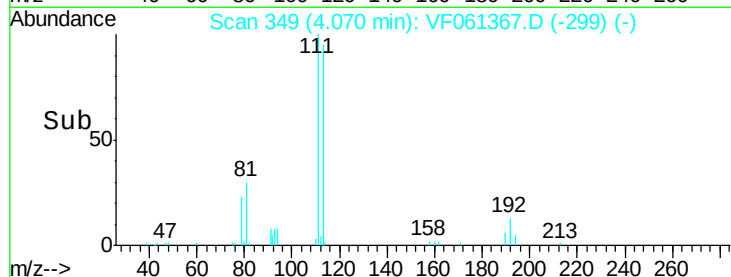
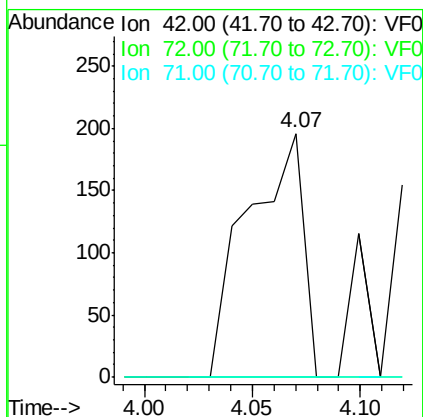
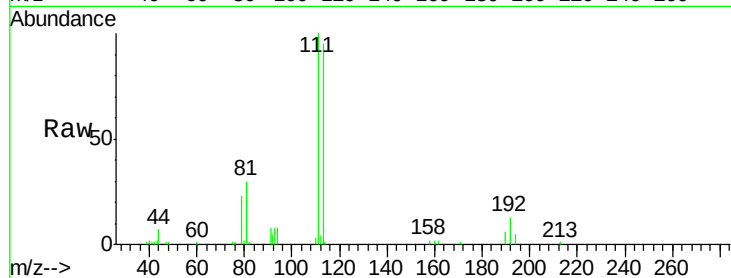




#29
Tetrahydrofuran
Concen: 1.485 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061367.D
Acq: 11 Jan 2019 14:45

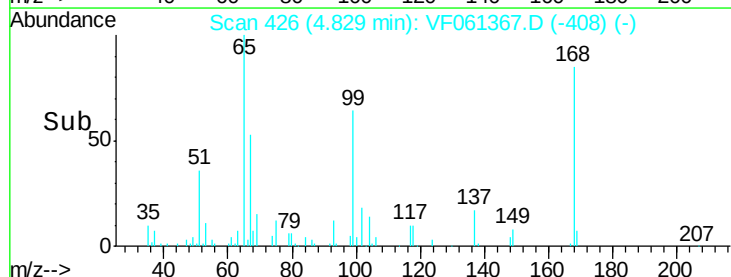
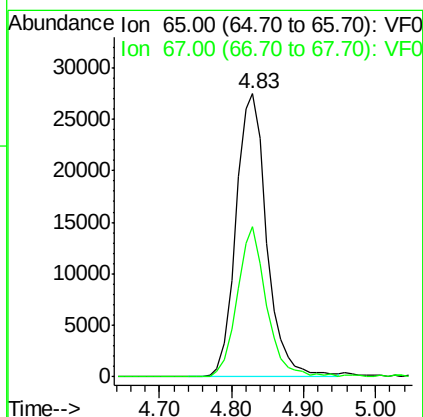
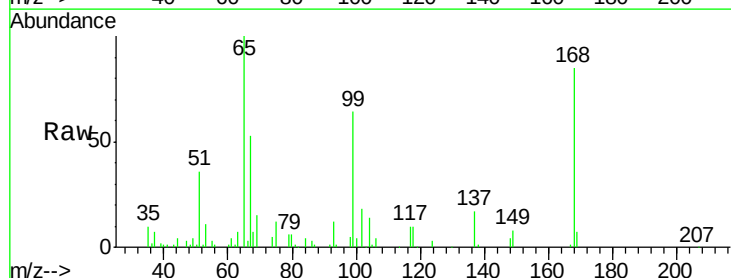
Instrument :
MSVOA_F
ClientSampled :
DS-A

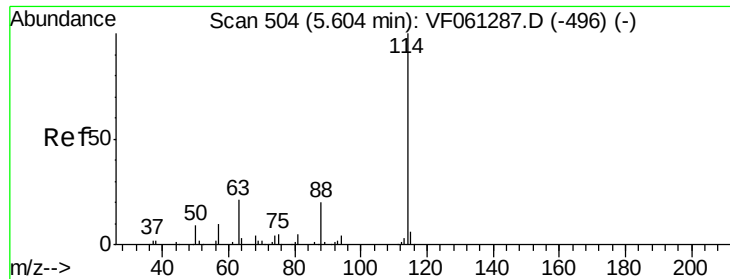
Tot Ion: 42 Resp: 354
Ion Ratio Lower Upper
42 100
72 0.0 32.3 48.5#
71 0.0 29.5 44.3#



#33
1,2-Dichloroethane-d4
Concen: 53.758 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.02 min
Lab File: VF061367.D
Acq: 11 Jan 2019 14:45

Tgt Ion: 65 Resp: 81880
Ion Ratio Lower Upper
65 100
67 53.0 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: VF061367.D

Acq: 11 Jan 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

DS-A

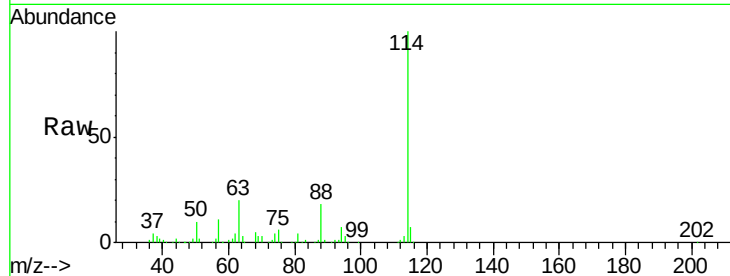
Tot Ion:114 Resp: 240255

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.8

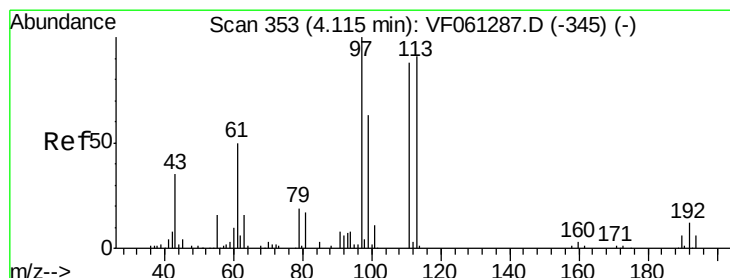
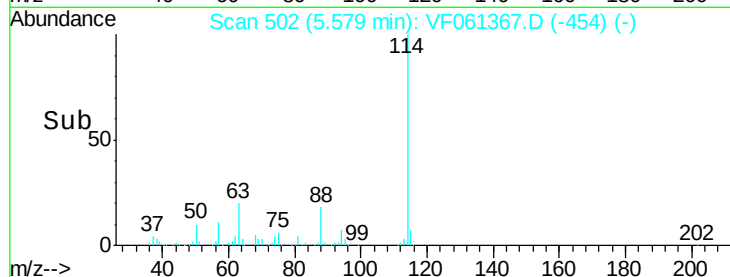
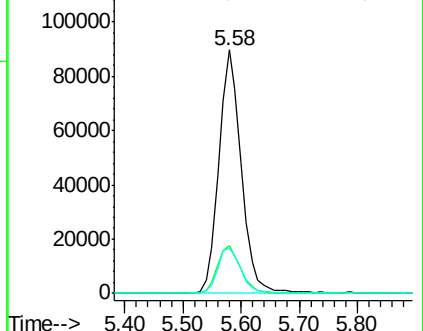
88 18.4 0.0 40.0



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



#35

Dibromofluoromethane

Concen: 52.541 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061367.D

Acq: 11 Jan 2019 14:45

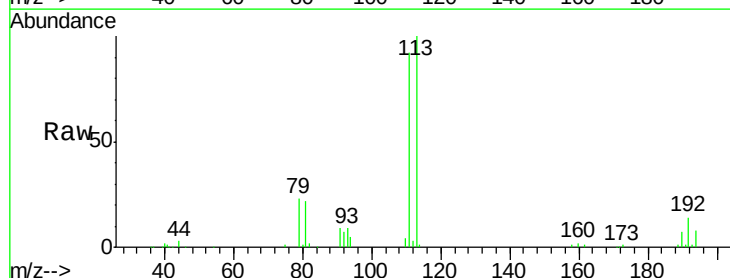
Tgt Ion:113 Resp: 96589

Ion Ratio Lower Upper

113 100

111 91.7 78.0 117.0

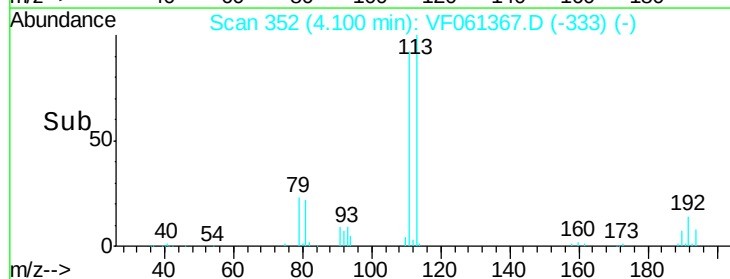
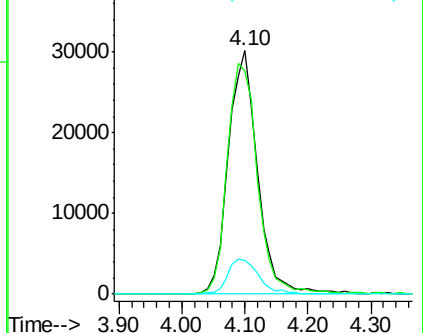
192 14.6 10.6 16.0

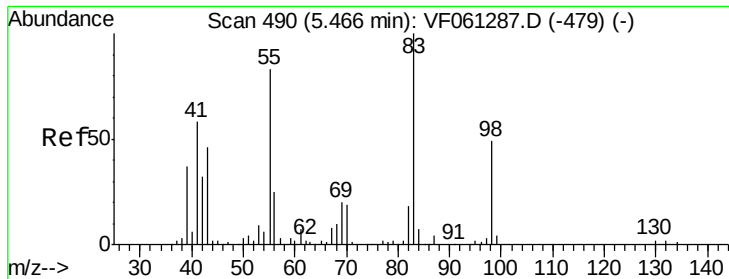


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

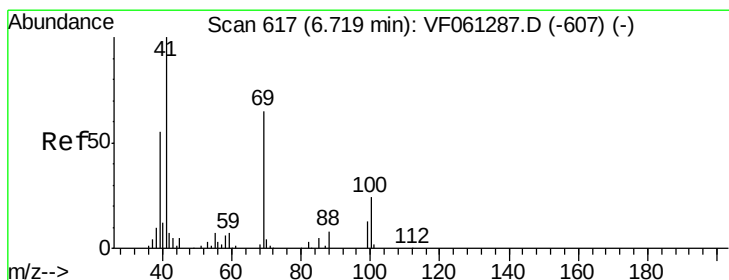
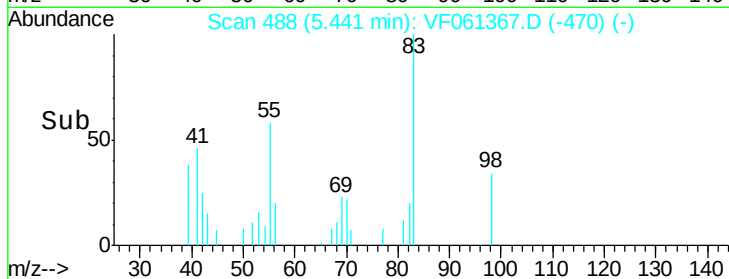
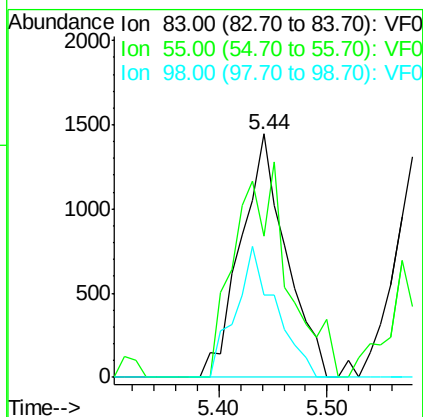
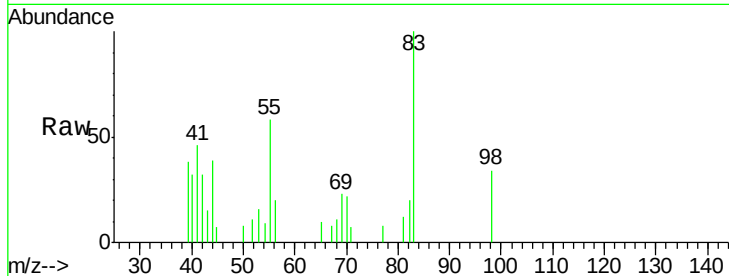




#39
Methylcyclohexane
Concen: 1.207 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.02 min
Lab File: VF061367.D
Acq: 11 Jan 2019 14:45

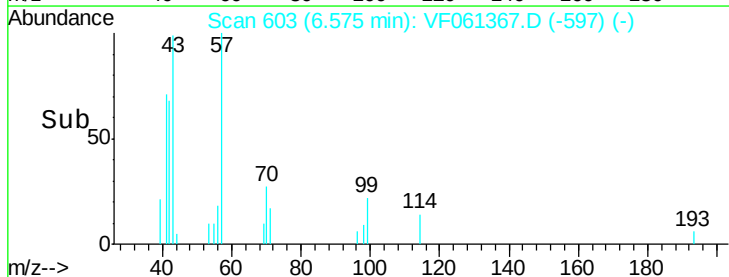
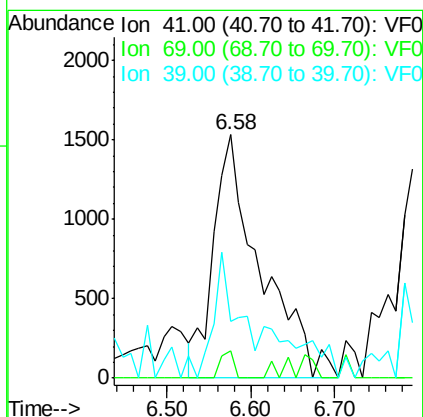
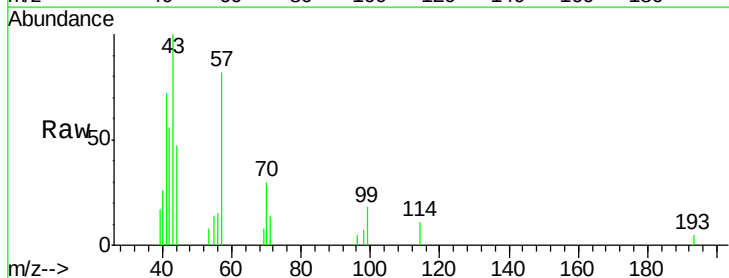
Instrument :
MSVOA_F
ClientSampleId :
DS-A

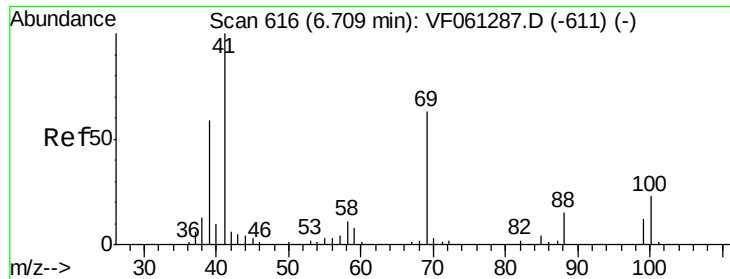
Tot Ion: 83 Resp: 4236
Ion Ratio Lower Upper
83 100
55 57.8 66.4 99.6#
98 34.0 39.1 58.7#



#48
Methyl methacrylate
Concen: 6.848 ug/l
RT: 6.58 min Scan# 603
Delta R.T. -0.14 min
Lab File: VF061367.D
Acq: 11 Jan 2019 14:45

Tgt Ion: 41 Resp: 5996
Ion Ratio Lower Upper
41 100
69 11.2 51.5 77.3#
39 23.4 44.1 66.1#

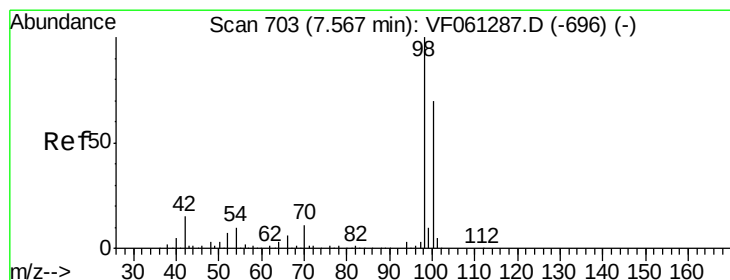
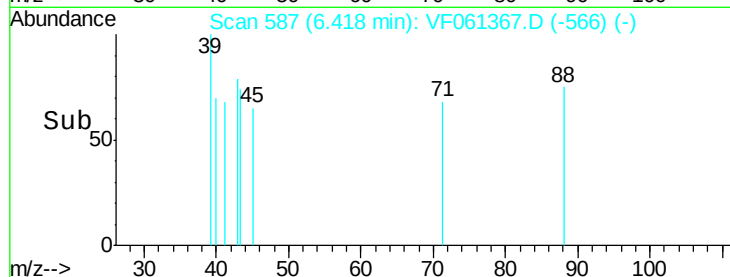
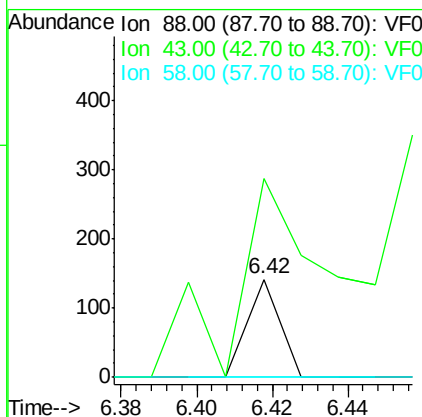
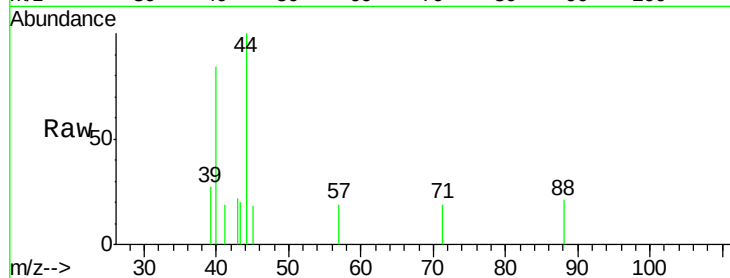




#49
1,4-Dioxane
Concen: 15.024 ug/l
RT: 6.42 min Scan# 587
Delta R.T. -0.29 min
Lab File: VF061367.D
Acq: 11 Jan 2019 14:45

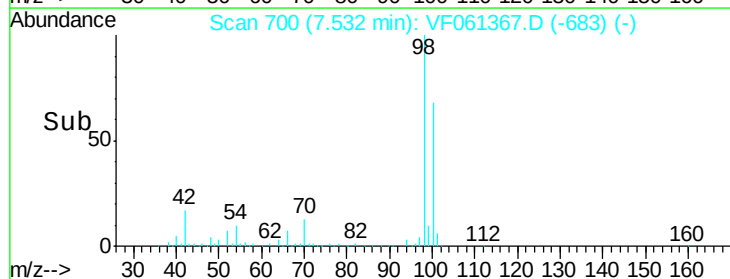
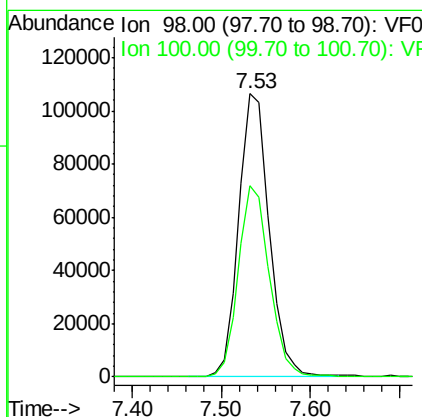
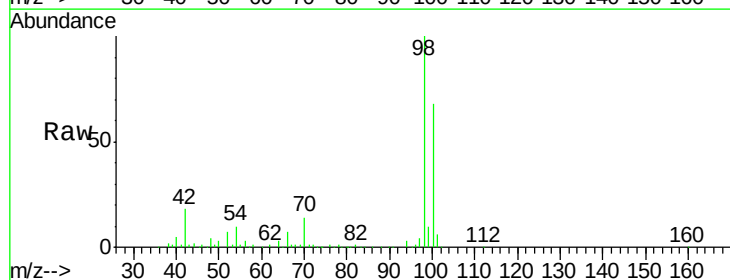
Instrument :
MSVOA_F
ClientSampled :
DS-A

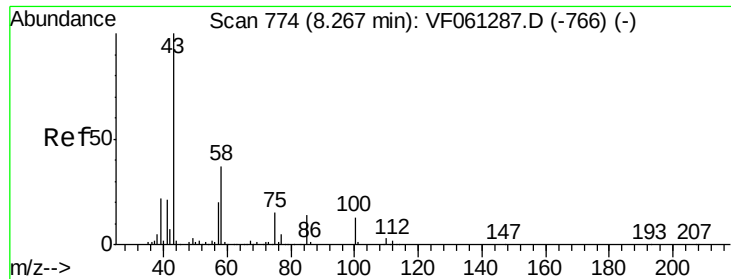
Tot Ion: 88 Resp: 83
Ion Ratio Lower Upper
88 100
43 204.3 38.5 57.7#
58 0.0 57.0 85.4#



#50
Toluene-d8
Concen: 46.667 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061367.D
Acq: 11 Jan 2019 14:45

Tgt Ion: 98 Resp: 253876
Ion Ratio Lower Upper
98 100
100 67.6 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 12.931 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061367.D

Acq: 11 Jan 2019 14:45

Instrument :

MSVOA_F

ClientSampled :

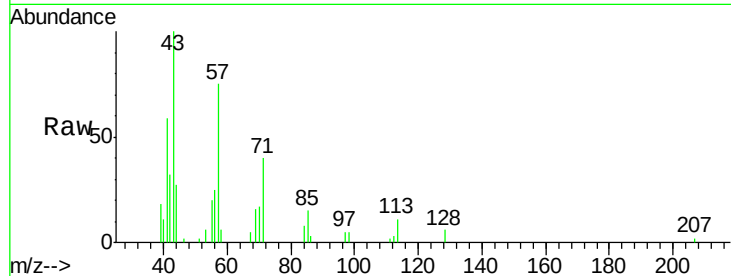
DS-A

Tot Ion: 43 Resp: 13165

Ion Ratio Lower Upper

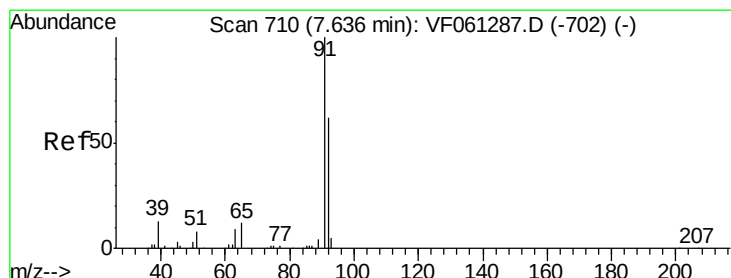
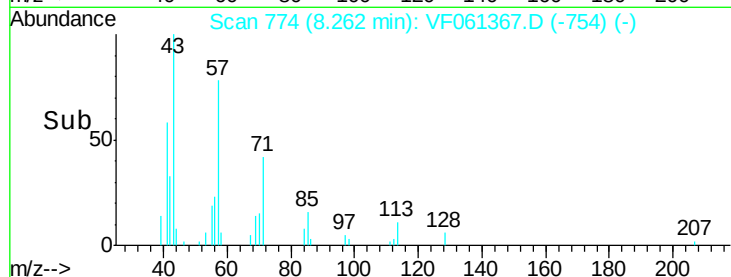
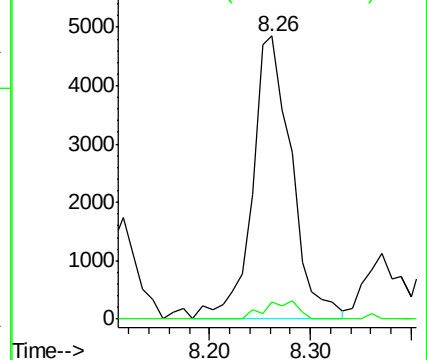
43 100

58 6.1 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: 6.518 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.03 min

Lab File: VF061367.D

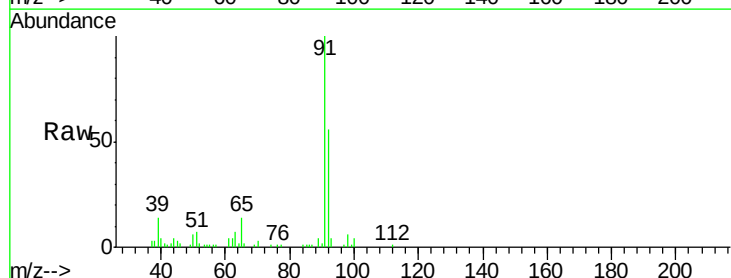
Acq: 11 Jan 2019 14:45

Tgt Ion: 92 Resp: 27442

Ion Ratio Lower Upper

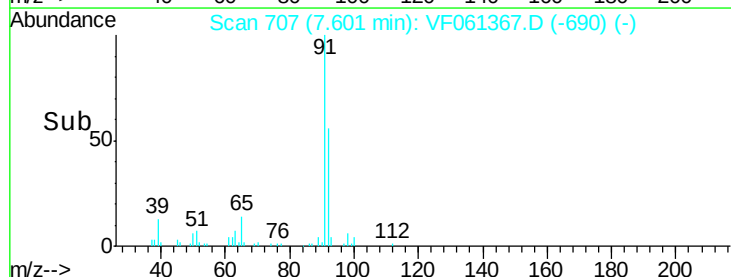
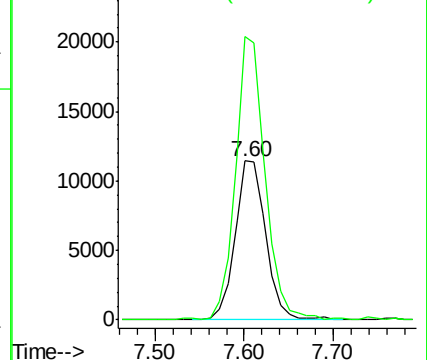
92 100

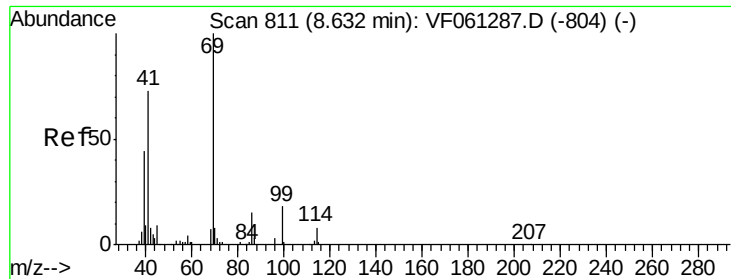
91 178.1 129.2 193.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#56

Ethyl methacrylate

Concen: 15.622 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.02 min

Lab File: VF061367.D

Acq: 11 Jan 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

DS-A

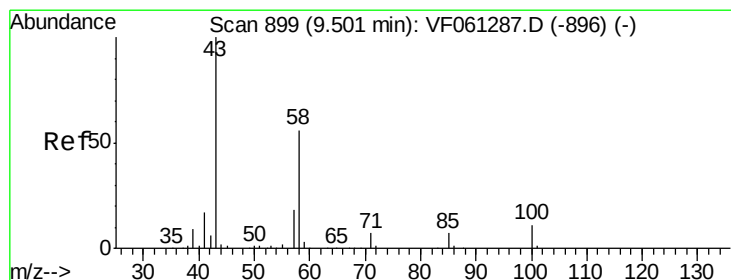
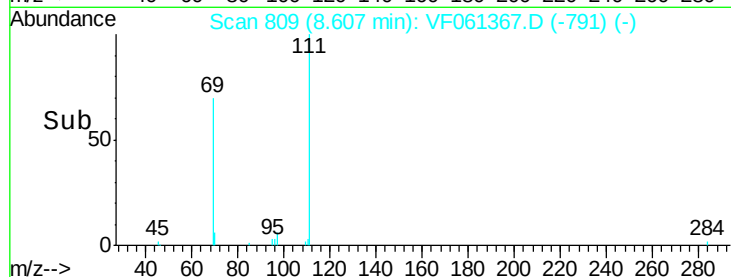
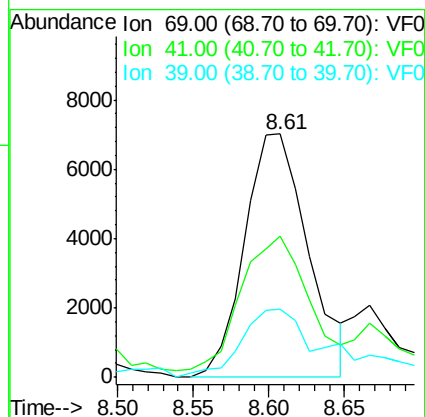
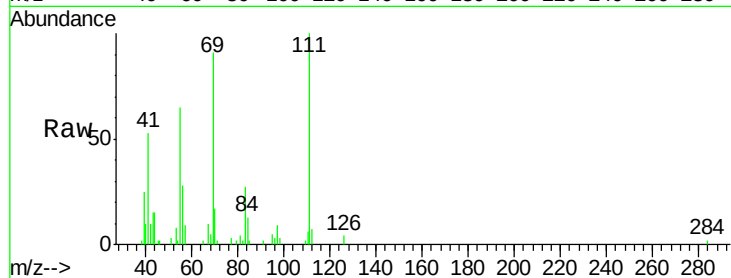
Tot Ion: 69 Resp: 20570

Ion Ratio Lower Upper

69 100

41 57.9 59.0 88.4#

39 28.1 35.3 52.9#



#59

2-Hexanone

Concen: 4.281 ug/l

RT: 9.40 min Scan# 889

Delta R.T. -0.10 min

Lab File: VF061367.D

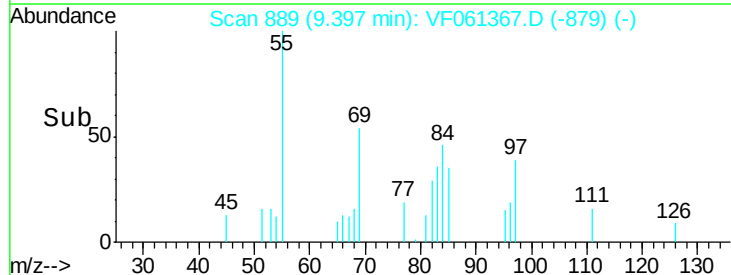
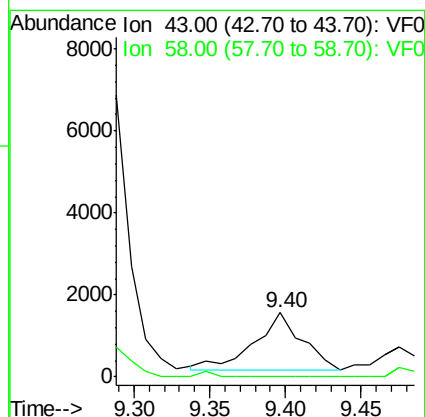
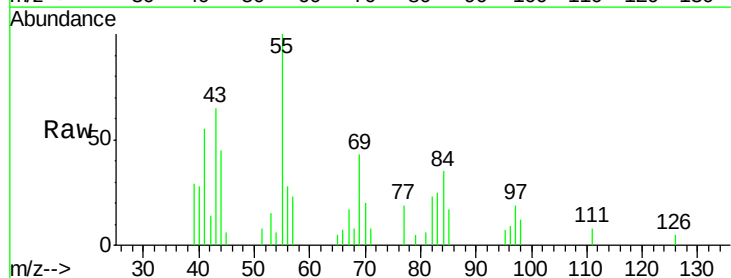
Acq: 11 Jan 2019 14:45

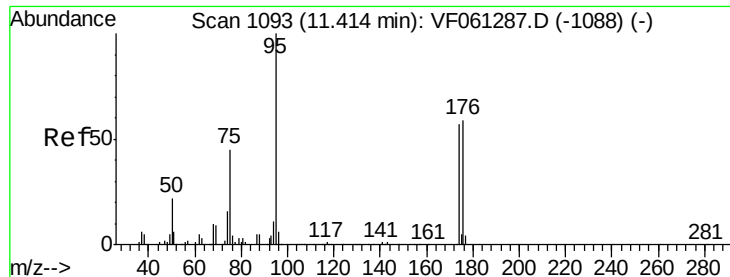
Tgt Ion: 43 Resp: 3088

Ion Ratio Lower Upper

43 100

58 0.0 25.6 76.8#





#62

4-Bromofluorobenzene

Concen: 42.789 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061367.D

Acq: 11 Jan 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

DS-A

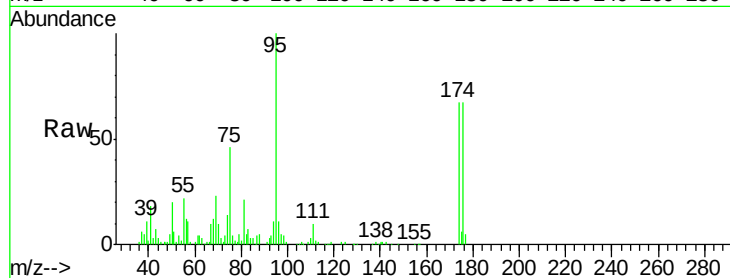
Tot Ion: 95 Resp: 101644

Ion Ratio Lower Upper

95 100

174 67.4 0.0 114.2

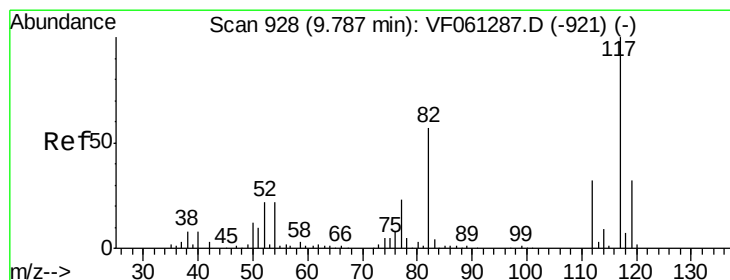
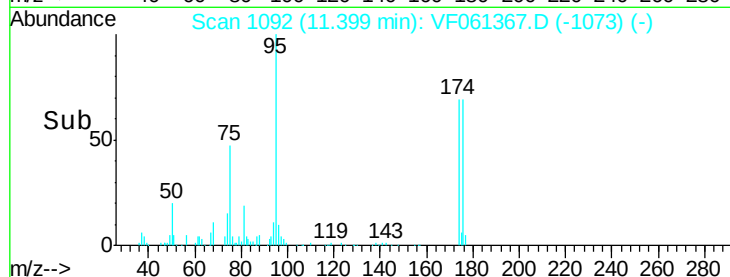
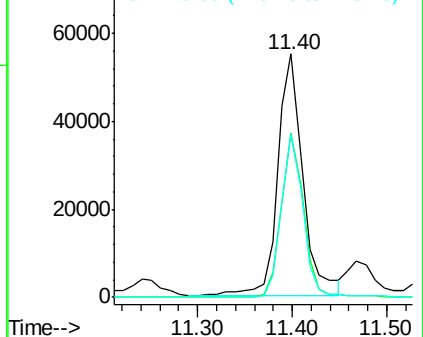
176 66.9 0.0 117.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.75 min Scan# 925

Delta R.T. -0.03 min

Lab File: VF061367.D

Acq: 11 Jan 2019 14:45

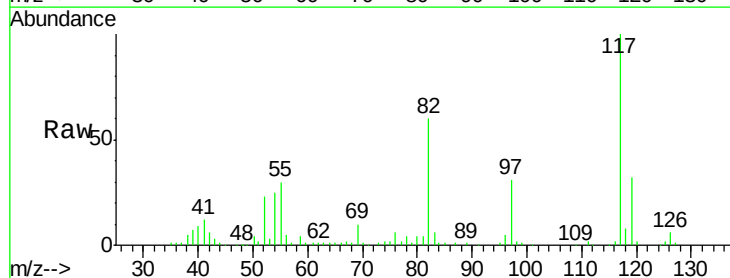
Tgt Ion: 117 Resp: 174067

Ion Ratio Lower Upper

117 100

82 59.8 45.3 67.9

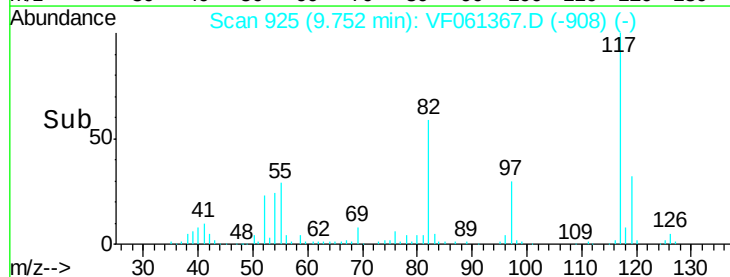
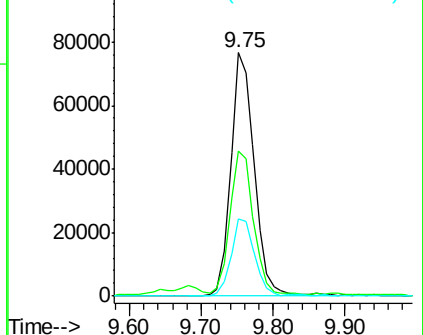
119 31.7 25.4 38.0

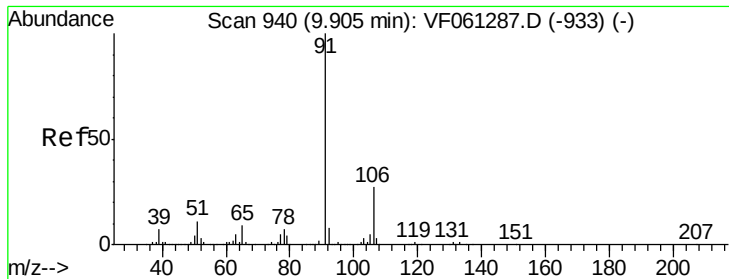


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#67

Ethyl Benzene

Concen: 15.878 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.02 min

Lab File: VF061367.D

Acq: 11 Jan 2019 14:45

Instrument :

MSVOA_F

ClientSampled :

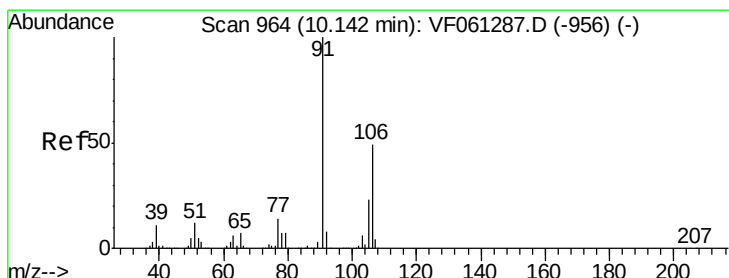
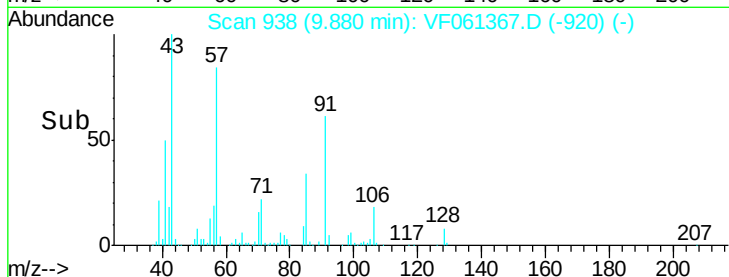
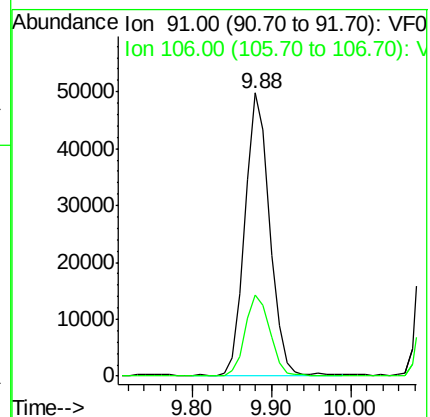
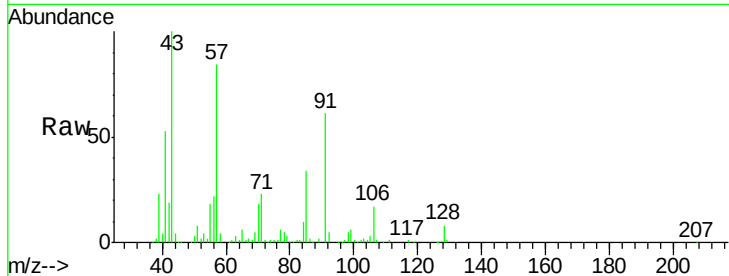
DS-A

Tot Ion: 91 Resp: 107608

Ion Ratio Lower Upper

91 100

106 28.6 21.4 32.2



#68

m/p-Xylenes

Concen: 66.348 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF061367.D

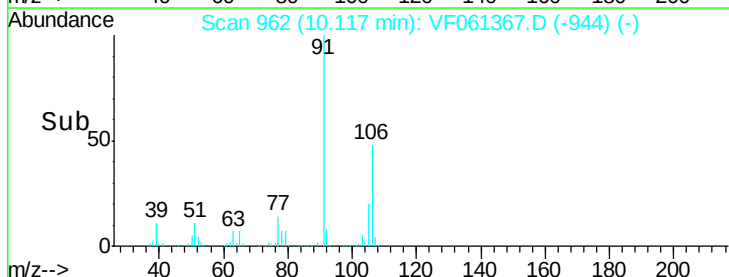
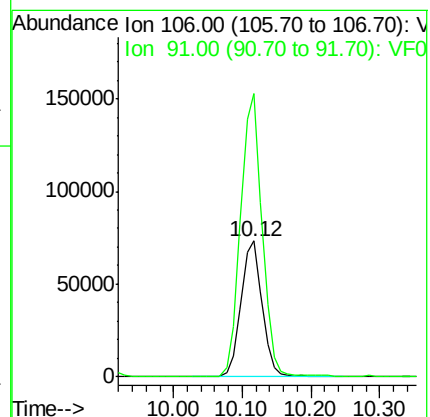
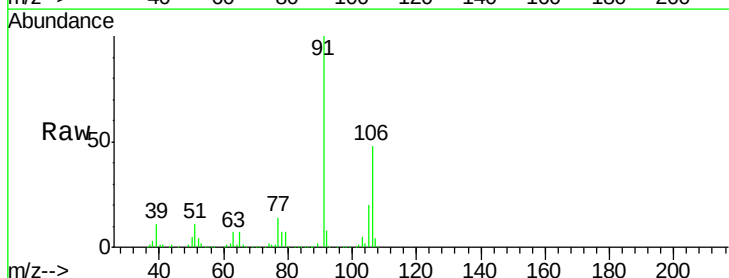
Acq: 11 Jan 2019 14:45

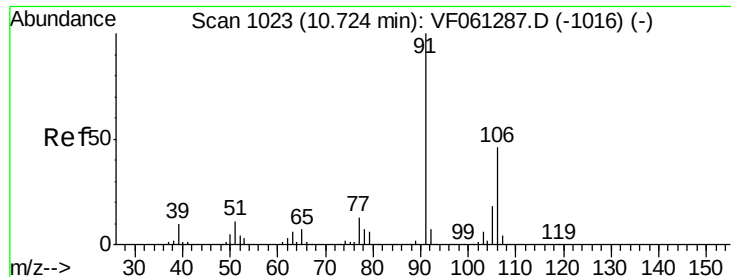
Tgt Ion: 106 Resp: 156851

Ion Ratio Lower Upper

106 100

91 208.6 165.0 247.6

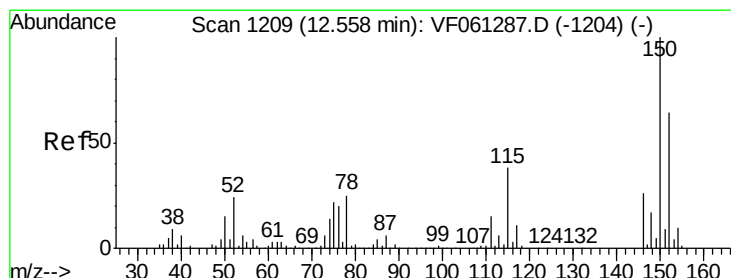
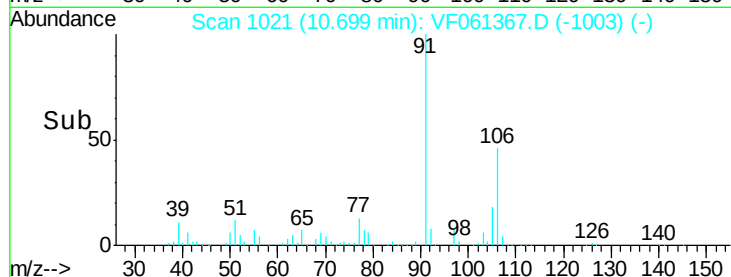
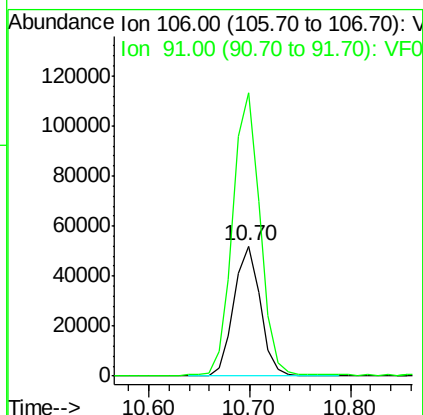
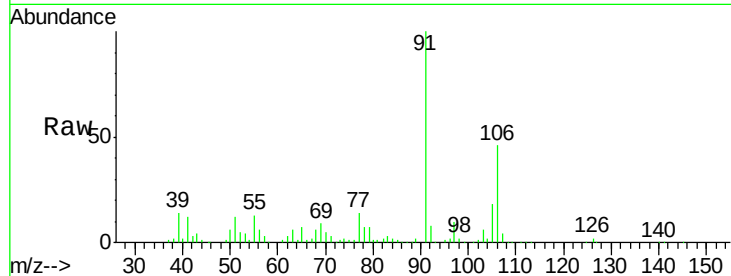




#69
o-Xylene
Concen: 36.154 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF061367.D
Acq: 11 Jan 2019 14:45

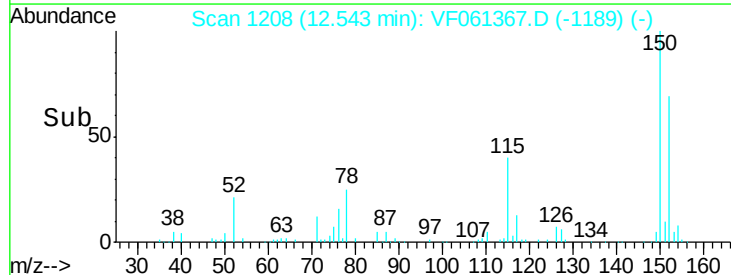
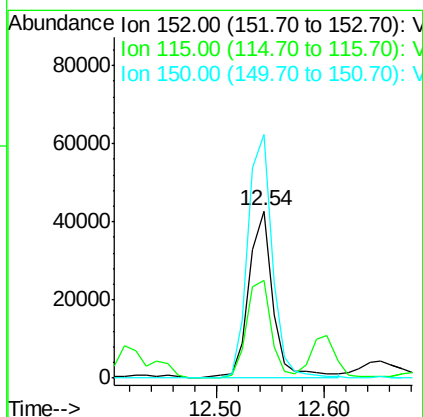
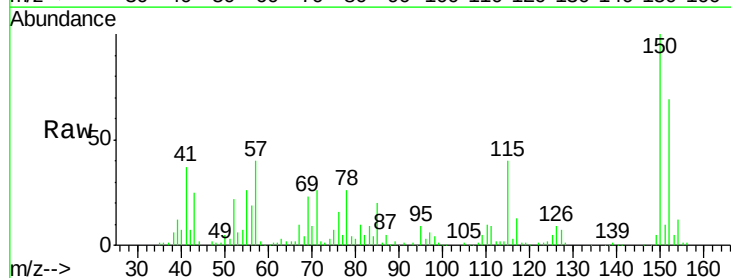
Instrument :
MSVOA_F
ClientSampleID :
DS-A

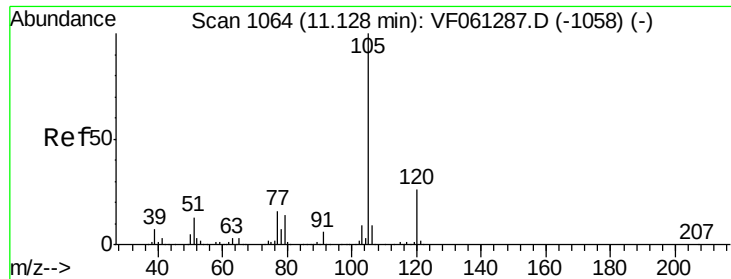
Tot Ion:106 Resp: 95476
Ion Ratio Lower Upper
106 100
91 218.0 108.1 324.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061367.D
Acq: 11 Jan 2019 14:45

Tgt Ion:152 Resp: 66619
Ion Ratio Lower Upper
152 100
115 58.4 29.6 88.9
150 145.4 0.0 315.4





#73

Isopropylbenzene

Concen: 11.987 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF061367.D

Acq: 11 Jan 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

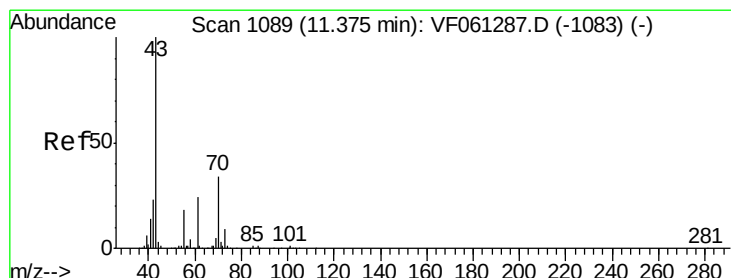
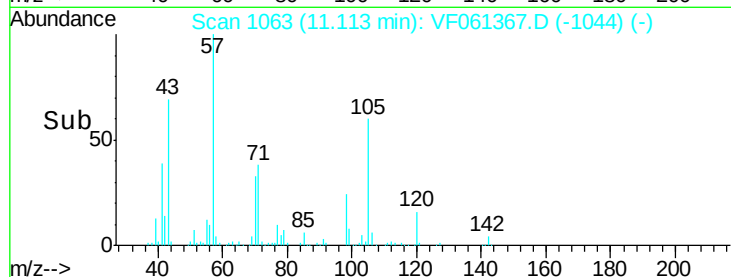
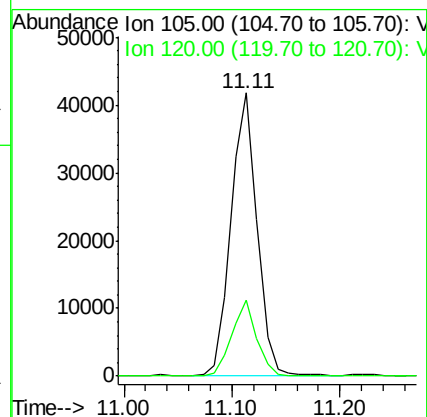
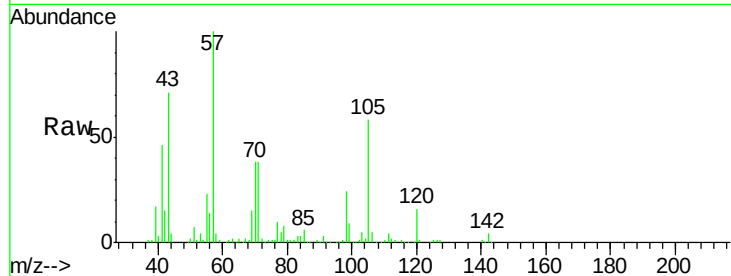
DS-A

Tot Ion:105 Resp: 70267

Ion Ratio Lower Upper

105 100

120 26.7 12.9 38.7



#74

N-ethyl acetate

Concen: 12.231 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF061367.D

Acq: 11 Jan 2019 14:45

Tgt Ion: 43 Resp: 16299

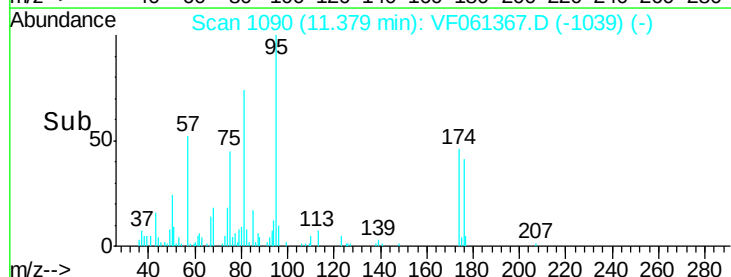
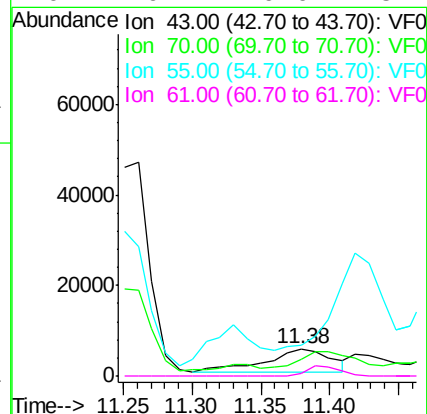
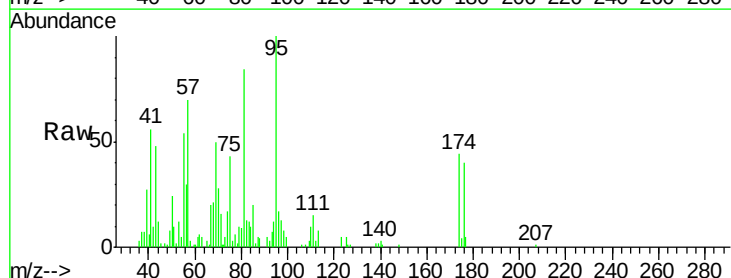
Ion Ratio Lower Upper

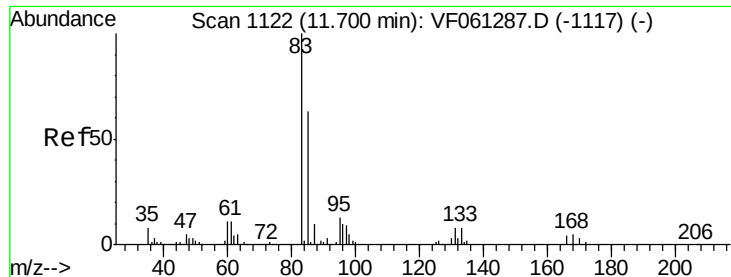
43 100

70 58.9 27.4 41.0#

55 112.1 14.7 22.1#

61 10.1 19.0 28.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 4.155 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. 0.02 min

Lab File: VF061367.D

Acq: 11 Jan 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

DS-A

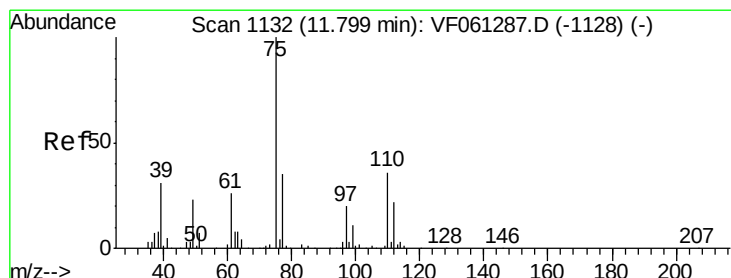
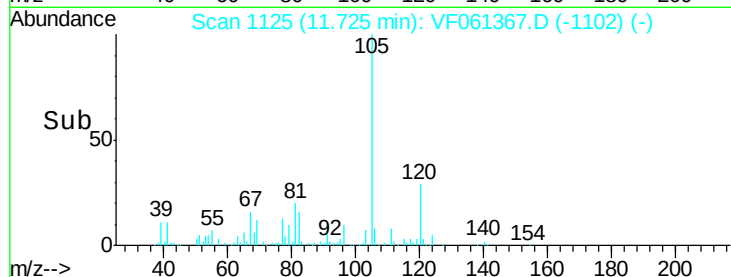
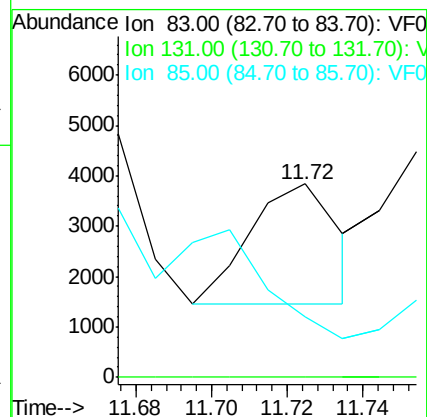
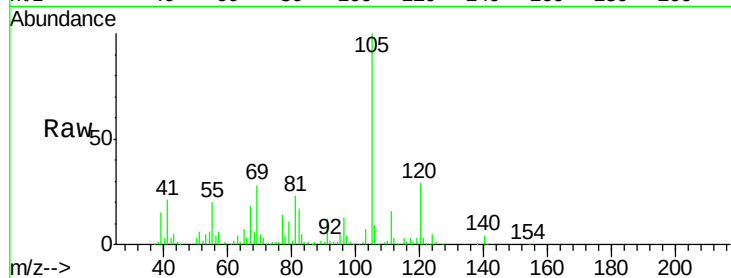
Tot Ion: 83 Resp: 3862

Ion Ratio Lower Upper

83 100

131 0.0 3.9 11.7#

85 31.2 31.6 94.7#



#76

1,2,3-Trichloropropane

Concen: 5.922 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.01 min

Lab File: VF061367.D

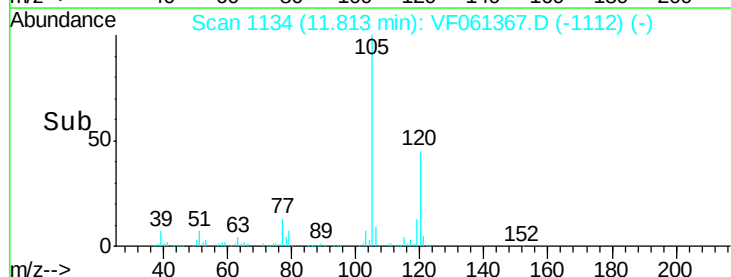
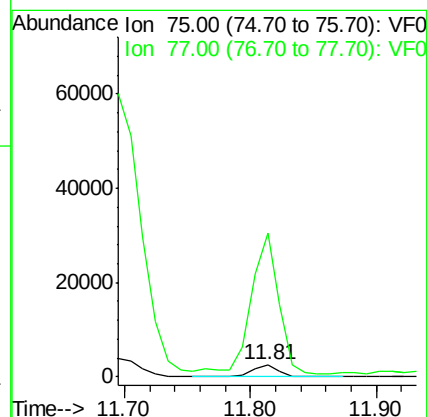
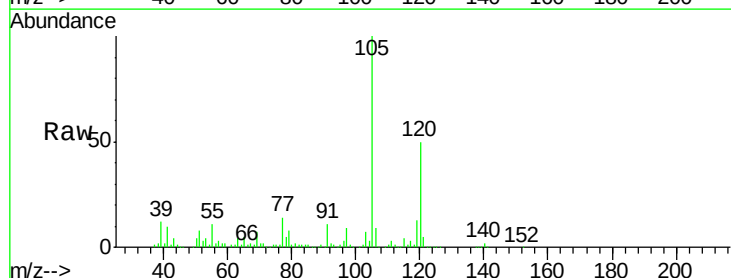
Acq: 11 Jan 2019 14:45

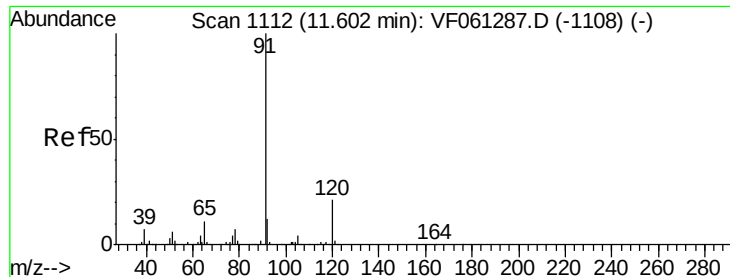
Tgt Ion: 75 Resp: 4037

Ion Ratio Lower Upper

75 100

77 1171.8 17.5 52.5#





#78

n-propylbenzene

Concen: 35.234 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VF061367.D

Acq: 11 Jan 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

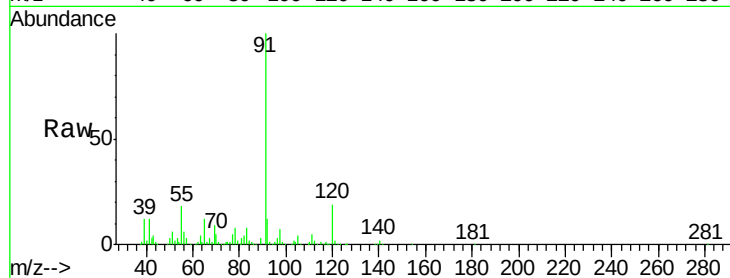
DS-A

Tot Ion: 91 Resp: 246262

Ion Ratio Lower Upper

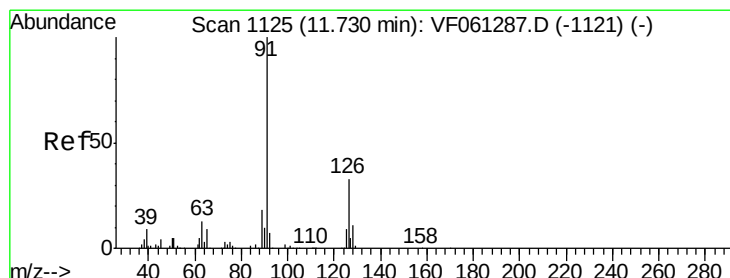
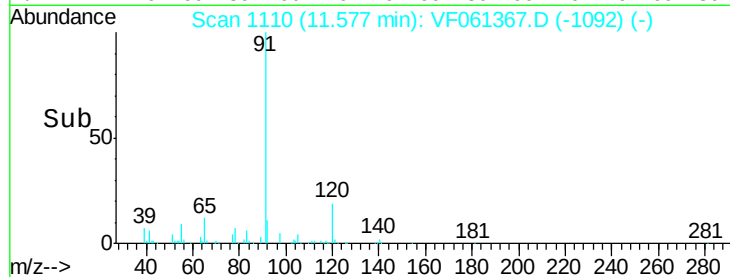
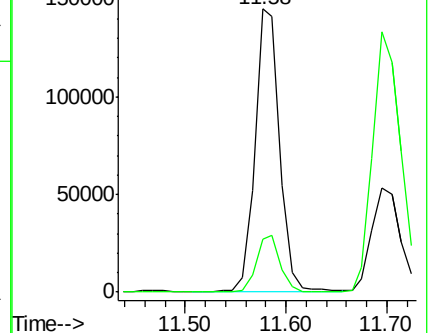
91 100

120 18.9 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 27.254 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF061367.D

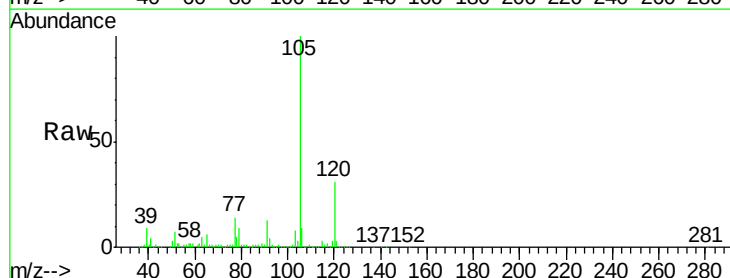
Acq: 11 Jan 2019 14:45

Tgt Ion: 91 Resp: 106131

Ion Ratio Lower Upper

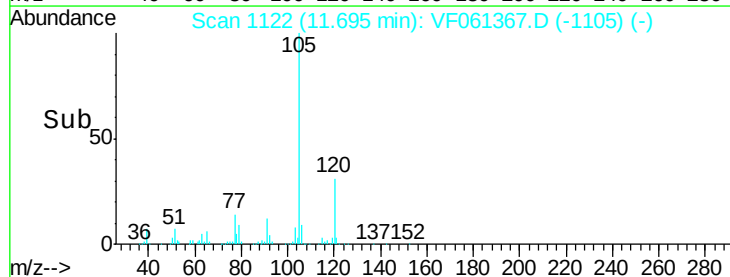
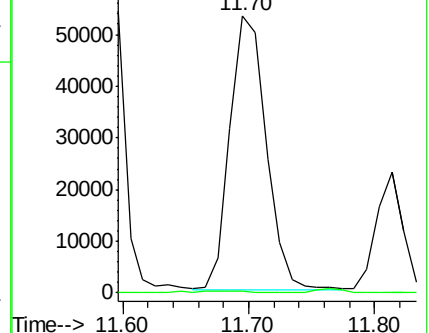
91 100

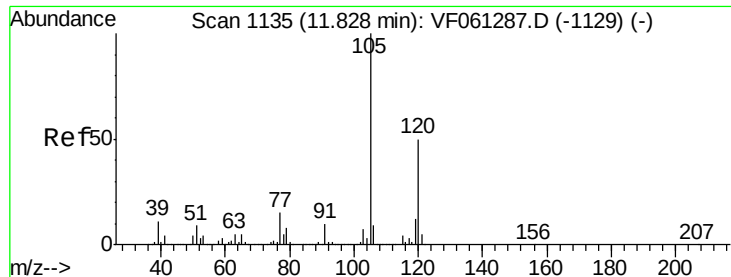
126 0.4 16.6 49.8#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

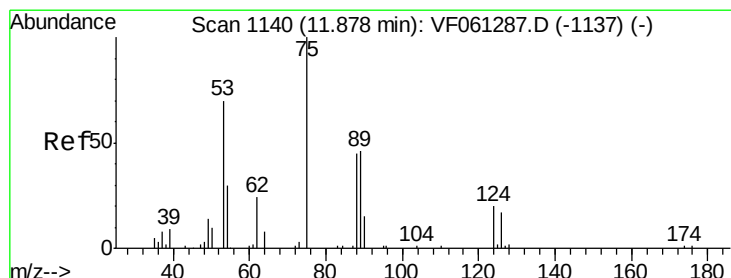
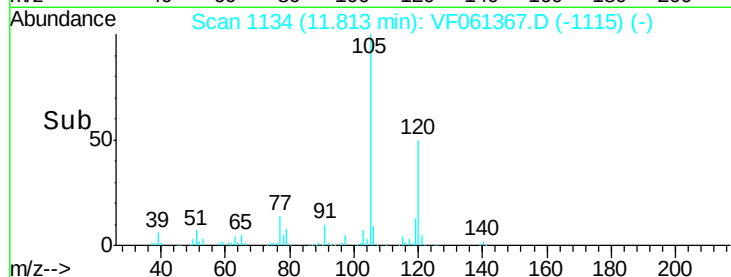
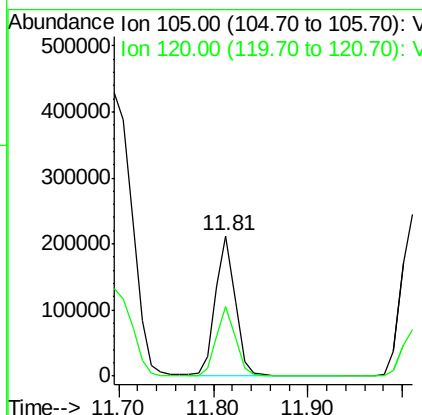
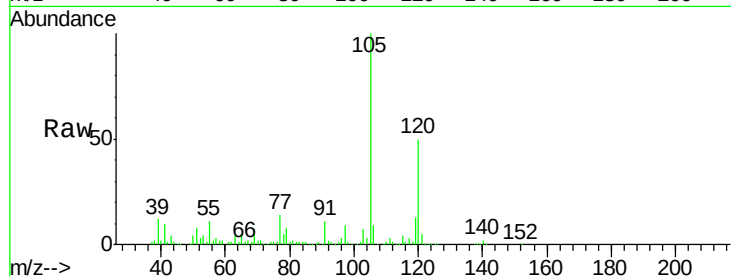




#80
 1,3,5-Trimethylbenzene
 Concen: 66.535 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.02 min
 Lab File: VF061367.D
 Acq: 11 Jan 2019 14:45

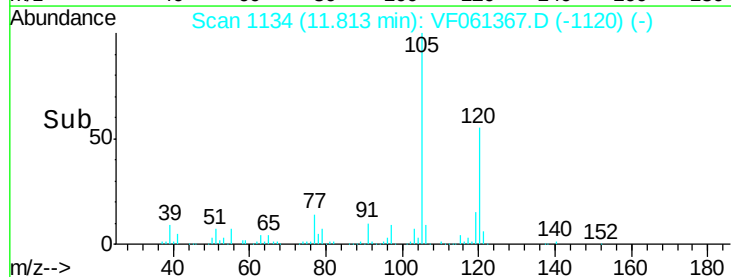
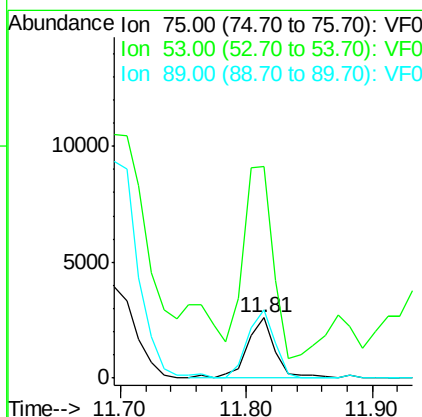
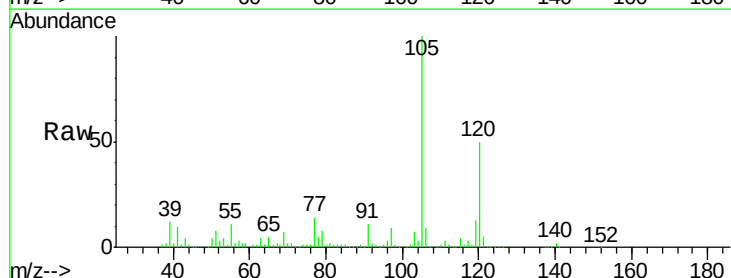
Instrument :
 MSVOA_F
 ClientSampled :
 DS-A

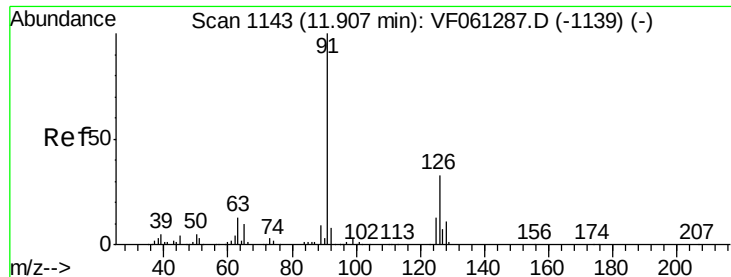
Tot Ion:105 Resp: 310352
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.2 75.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 13.551 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.06 min
 Lab File: VF061367.D
 Acq: 11 Jan 2019 14:45

Tgt Ion: 75 Resp: 4037
 Ion Ratio Lower Upper
 75 100
 53 352.9 62.2 93.2#
 89 113.1 40.2 60.4#





#82

4-Chlorotoluene

Concen: 8.660 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.09 min

Lab File: VF061367.D

Acq: 11 Jan 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

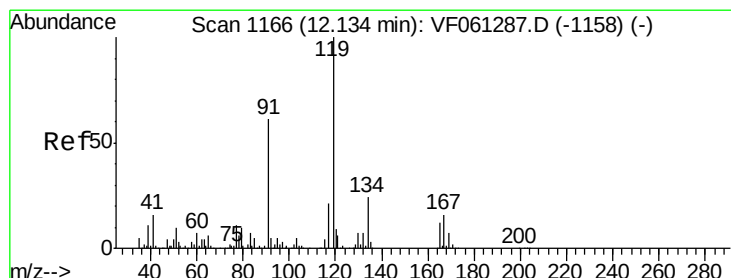
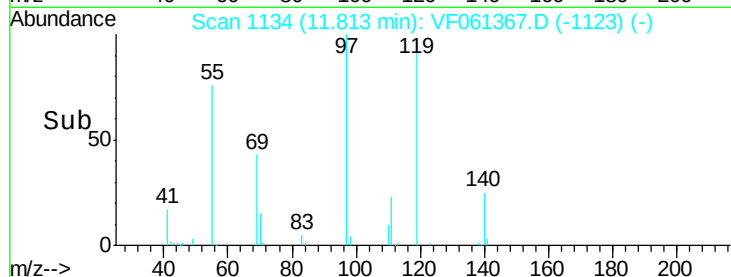
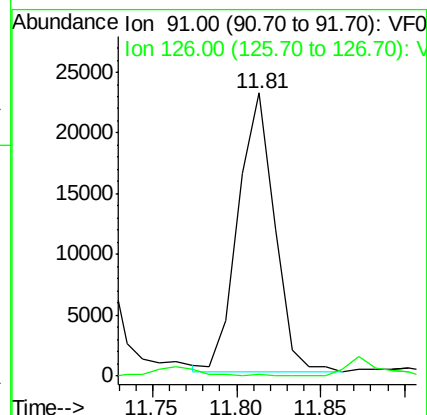
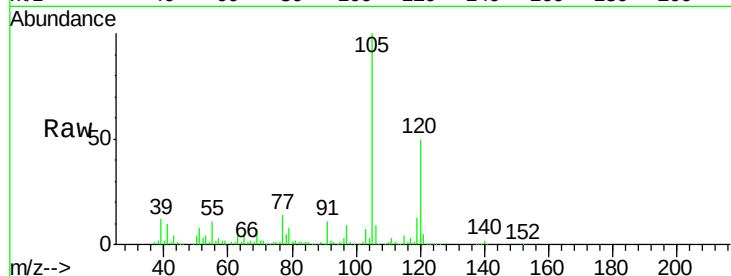
DS-A

Tot Ion: 91 Resp: 34267

Ion Ratio Lower Upper

91 100

126 0.5 16.4 49.4#



#83

tert-Butylbenzene

Concen: 24.838 ug/l

RT: 12.20 min Scan# 1173

Delta R.T. 0.06 min

Lab File: VF061367.D

Acq: 11 Jan 2019 14:45

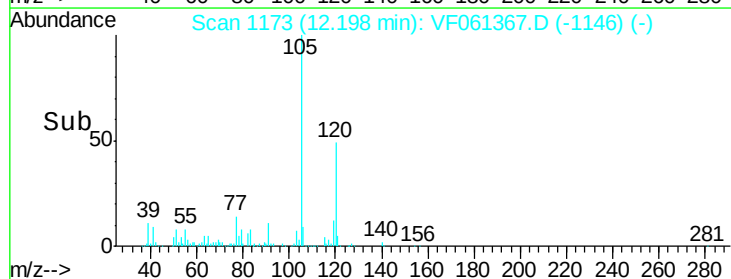
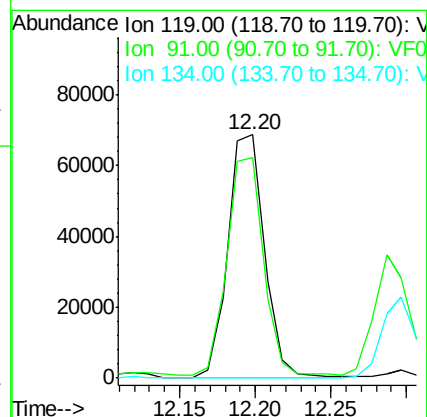
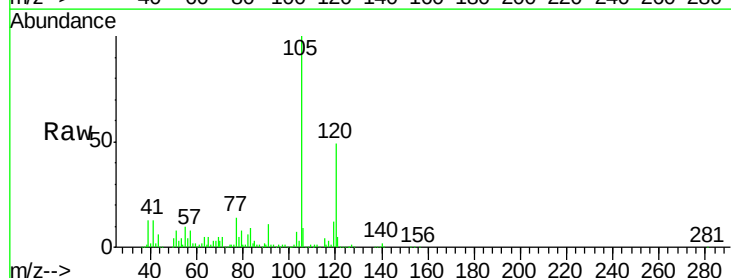
Tgt Ion: 119 Resp: 115428

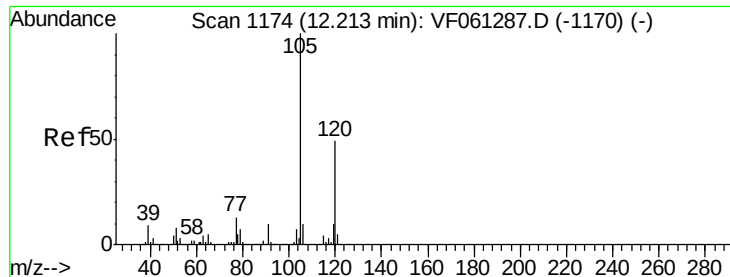
Ion Ratio Lower Upper

119 100

91 90.5 30.8 92.4

134 0.0 11.9 35.9#



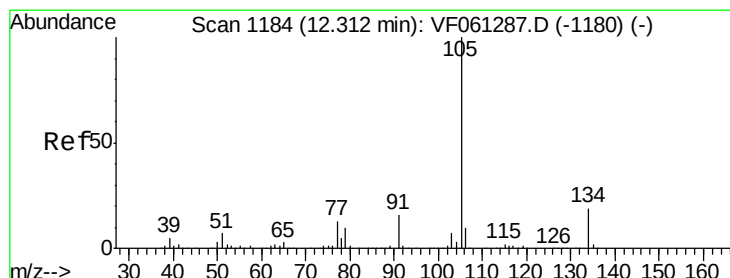
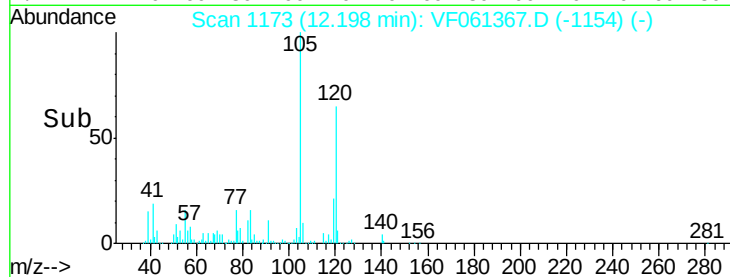
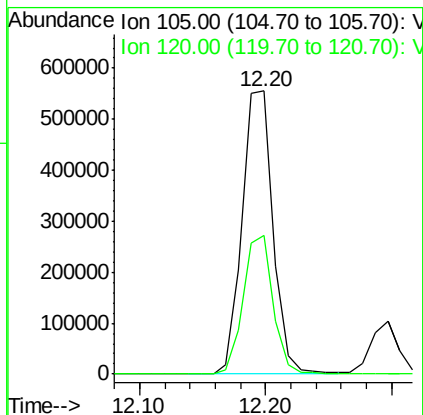
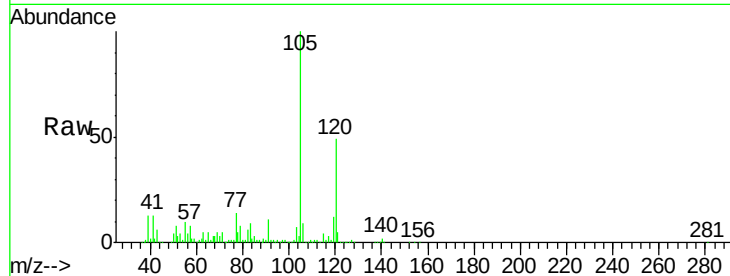


#84

1,2,4-Trimethylbenzene
Concen: 204.015 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.02 min
Lab File: VF061367.D
Acq: 11 Jan 2019 14:45

Instrument :
MSVOA_F
ClientSampleId :
DS-A

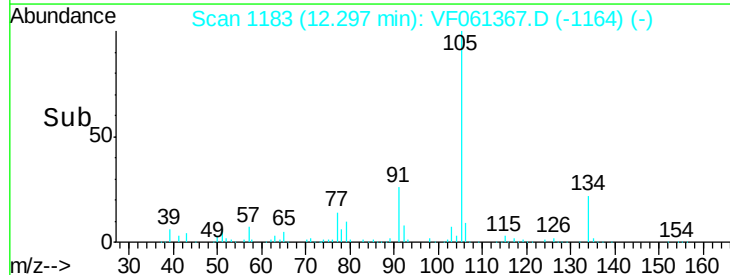
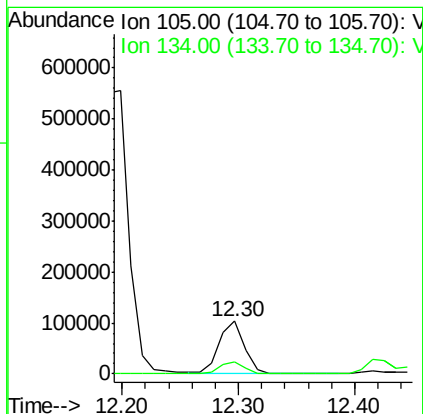
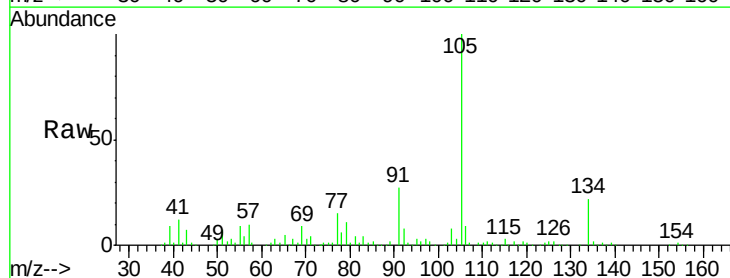
Tot Ion:105 Resp: 944812
Ion Ratio Lower Upper
105 100
120 49.0 24.7 74.1

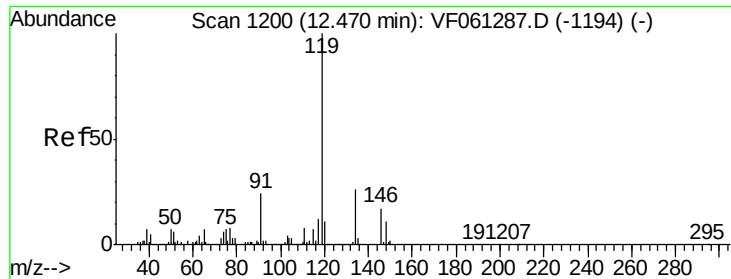


#85

sec-Butylbenzene
Concen: 23.960 ug/l
RT: 12.30 min Scan# 1183
Delta R.T. -0.02 min
Lab File: VF061367.D
Acq: 11 Jan 2019 14:45

Tgt Ion:105 Resp: 158546
Ion Ratio Lower Upper
105 100
134 22.0 9.7 28.9

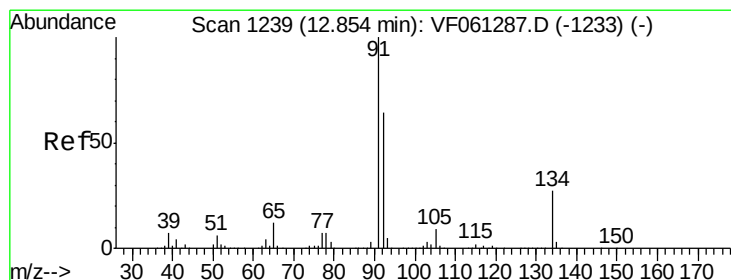
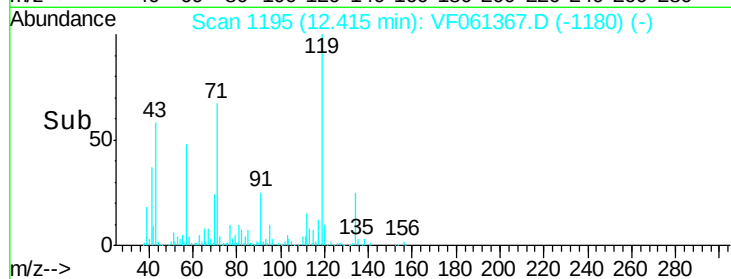
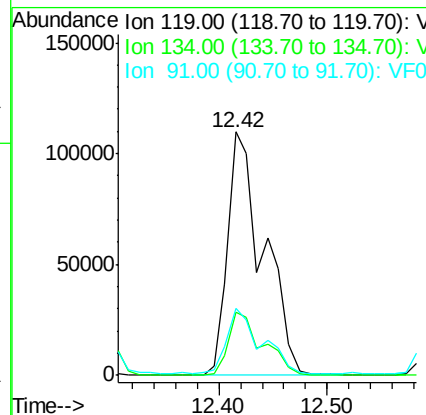
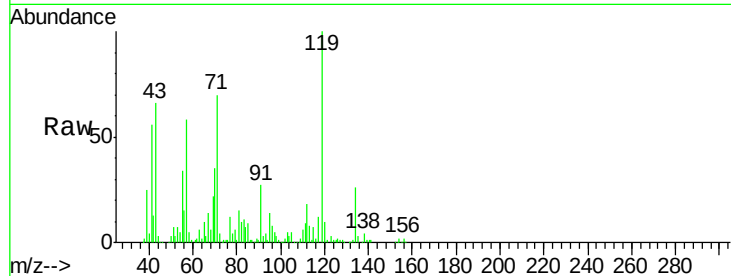




#86
 p-Isopropyltoluene
 Concen: 47.258 ug/l
 RT: 12.42 min Scan# 1195
 Delta R.T. -0.05 min
 Lab File: VF061367.D
 Acq: 11 Jan 2019 14:45

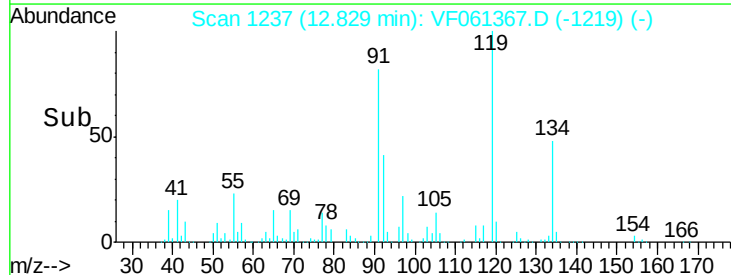
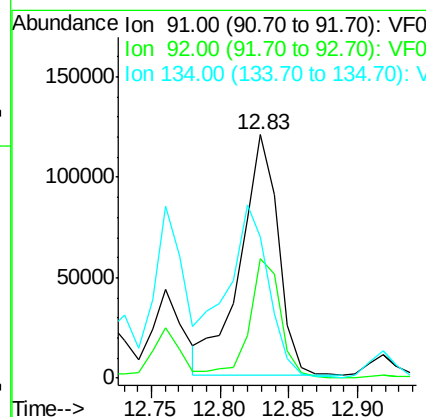
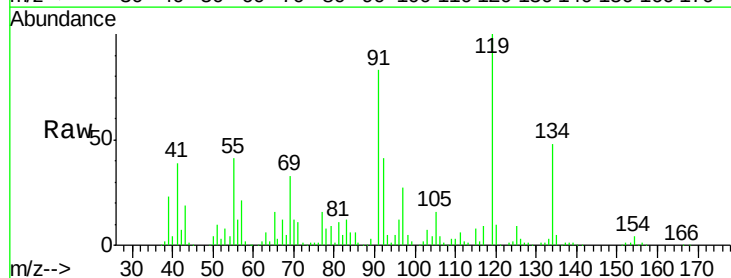
Instrument :
 MSVOA_F
 ClientSampled :
 DS-A

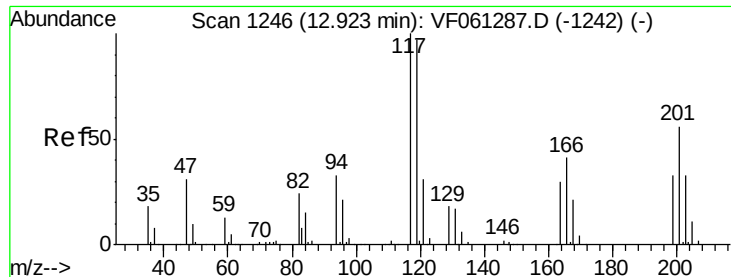
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	39.0
91	27.3	12.2	36.4



#89
 n-Butylbenzene
 Concen: 41.538 ug/l
 RT: 12.83 min Scan# 1237
 Delta R.T. -0.02 min
 Lab File: VF061367.D
 Acq: 11 Jan 2019 14:45

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.3	32.1	96.3
134	57.9	13.4	40.1#





#90

Hexachloroethane

Concen: 6.039 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VF061367.D

Acq: 11 Jan 2019 14:45

Instrument :

MSVOA_F

ClientSampled :

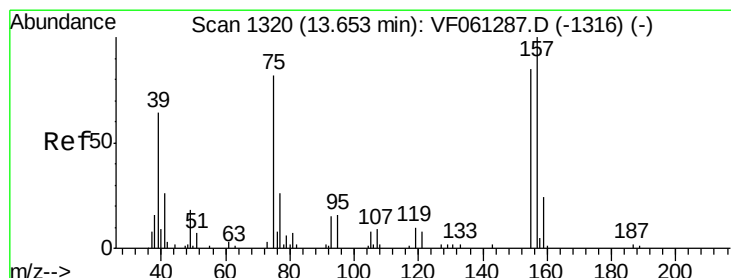
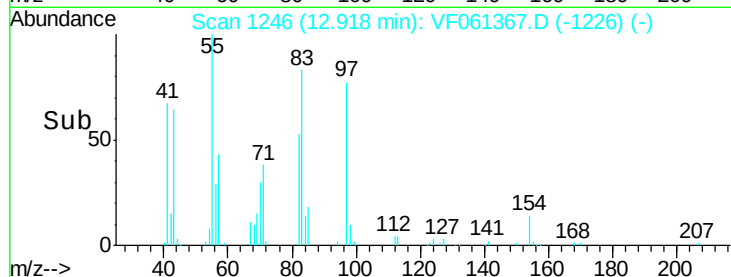
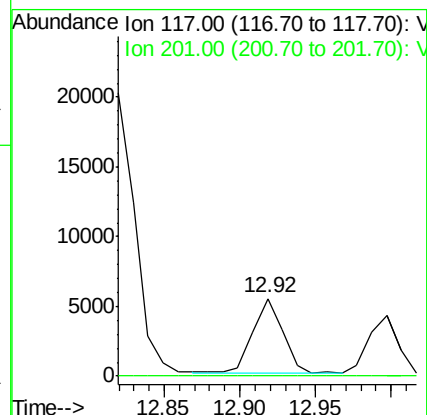
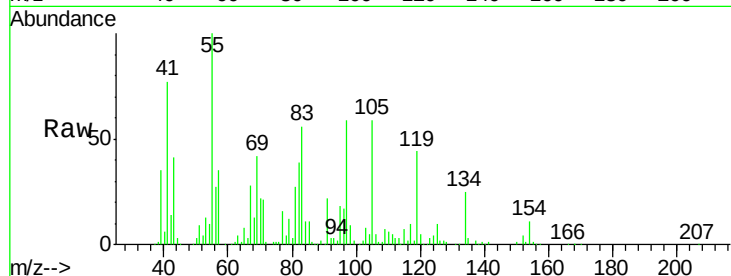
DS-A

Tot Ion:117 Resp: 7435

Ion Ratio Lower Upper

117 100

201 0.0 27.9 83.7#



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.003 ug/l

RT: 13.70 min Scan# 1325

Delta R.T. 0.04 min

Lab File: VF061367.D

Acq: 11 Jan 2019 14:45

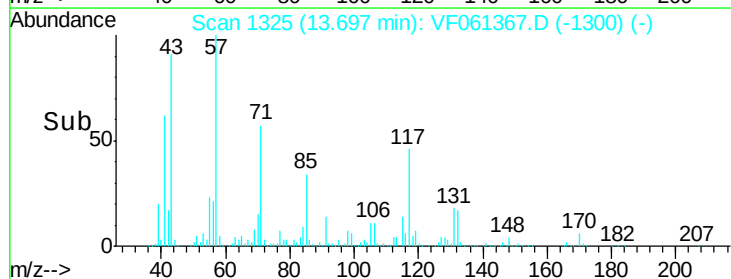
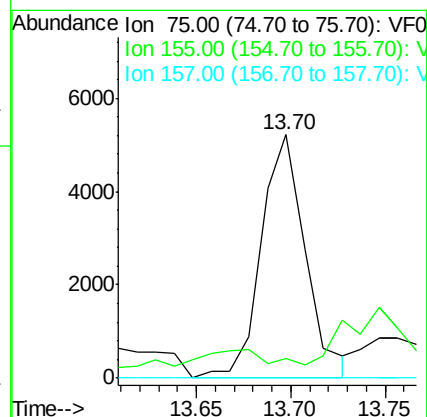
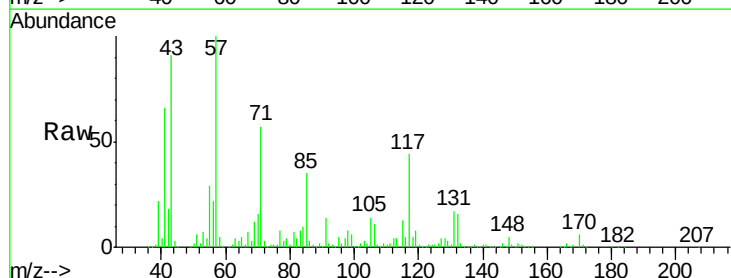
Tgt Ion: 75 Resp: 8481

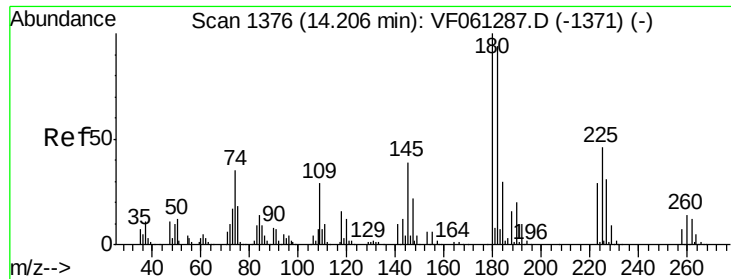
Ion Ratio Lower Upper

75 100

155 7.9 51.3 154.0#

157 0.0 60.7 182.0#

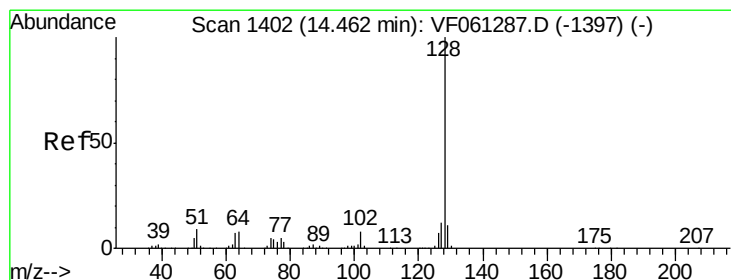
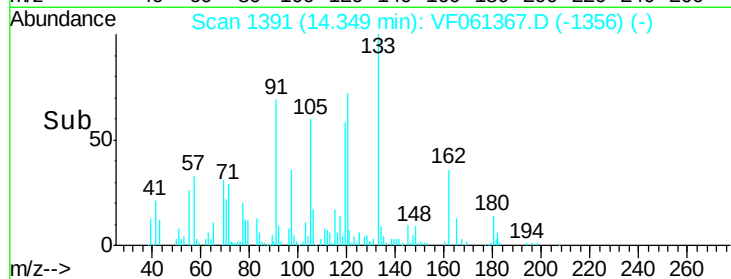
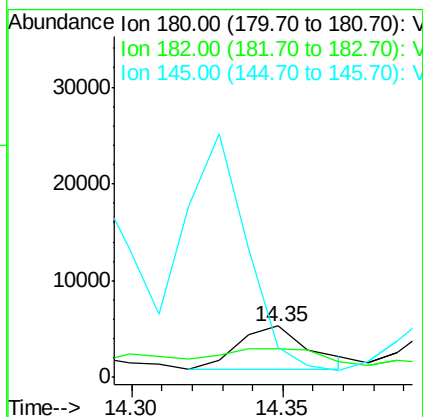
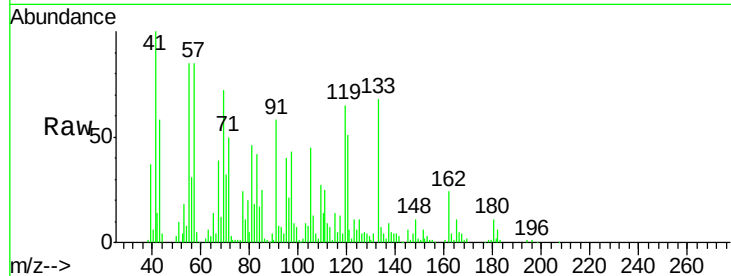




#93
 1,2,4-Trichlorobenzene
 Concen: 4.754 ug/l
 RT: 14.35 min Scan# 1391
 Delta R.T. 0.14 min
 Lab File: VF061367.D
 Acq: 11 Jan 2019 14:45

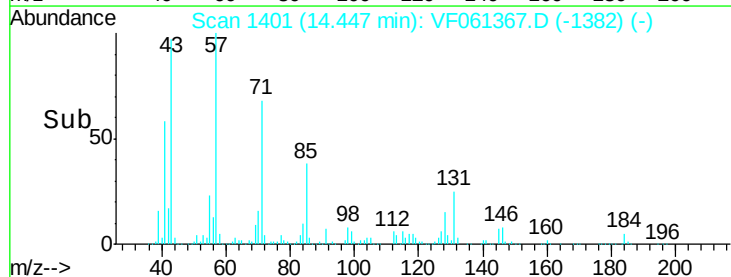
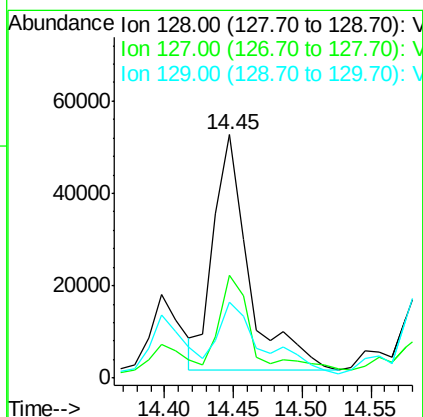
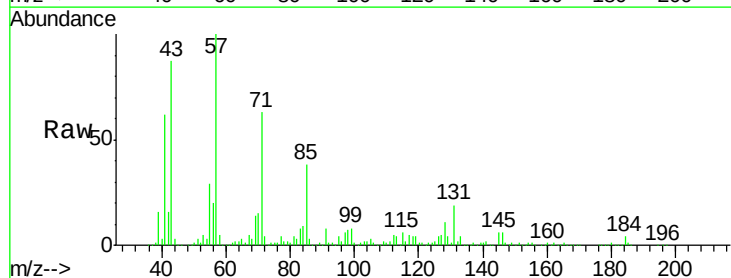
Instrument :
 MSVOA_F
 ClientSampleId :
 DS-A

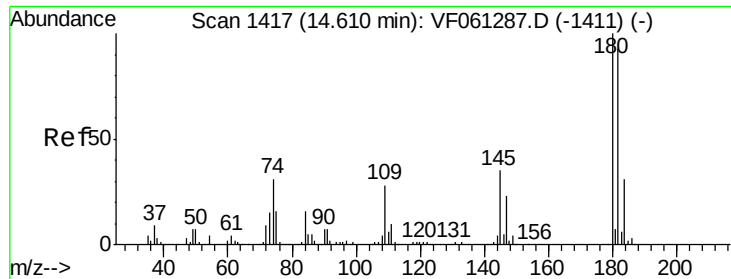
Tot Ion:180 Resp: 7111
 Ion Ratio Lower Upper
 180 100
 182 56.6 47.0 141.2
 145 58.8 19.7 59.1



#95
 Naphthalene
 Concen: 32.457 ug/l
 RT: 14.45 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: VF061367.D
 Acq: 11 Jan 2019 14:45

Tgt Ion:128 Resp: 91500
 Ion Ratio Lower Upper
 128 100
 127 42.5 9.4 14.0#
 129 30.9 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 12.742 ug/l
 RT: 14.62 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VF061367.D
 Acq: 11 Jan 2019 14:45

Instrument :
 MSVOA_F
 ClientSampleId :
 DS-A

Tot Ion:180 Resp: 17956
 Ion Ratio Lower Upper
 180 100
 182 24.8 46.5 139.3#
 145 121.5 17.5 52.6#

