

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092118\
 Data File : VF060316.D
 Acq On : 21 Sep 2018 16:44
 Operator : VA/AP
 Sample : J4998-01RE
 Misc : 5.01/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 YG3-SLOAN-PARK-BRIDGERE

Quant Time: Sep 22 02:25:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-5.04
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-5.76
63) Chlorobenzene-d5	9.81	117	72	50.00	ug/l	-0.11
72) 1,4-Dichlorobenzene-d4	12.65	152	68	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.91	65	112	0.00	ug/l	-0.10
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.71	98	62	0.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	11.57	95	70	0.00	ug/l	0.07
Spiked Amount	50.000		Recovery	=	0.00%	

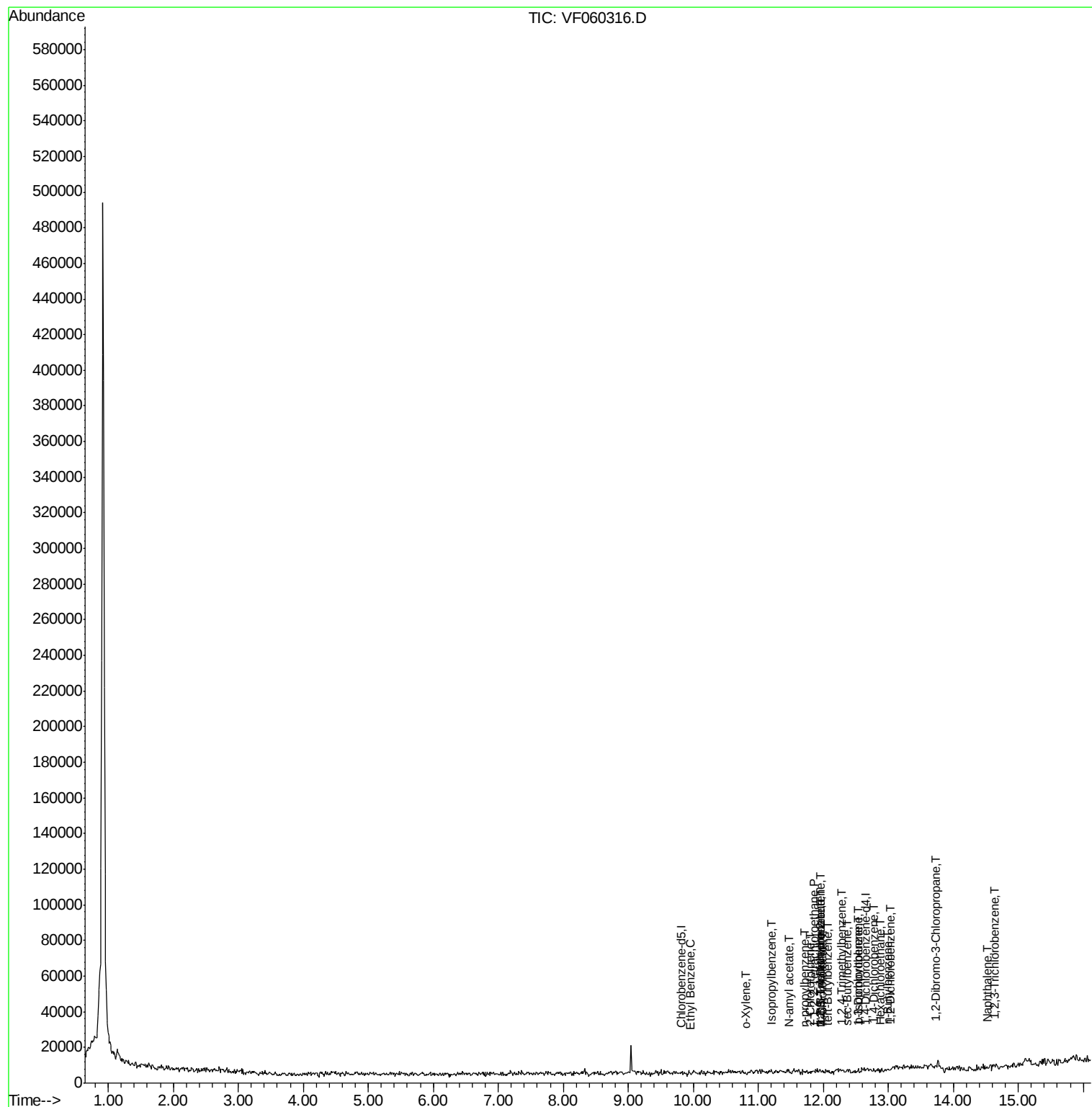
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
67) Ethyl Benzene	9.97	91	102	33.806	ug/l #	46
69) o-Xylene	10.82	106	61	52.173	ug/l	42
73) Isopropylbenzene	11.21	105	169	27.684	ug/l #	51
74) N-amyl acetate	11.49	43	597	458.609	ug/l #	2
75) 1,1,2,2-Tetrachloroethane	11.84	83	70	64.703	ug/l #	27
76) 1,2,3-Trichloropropane	11.97	75	219	282.717	ug/l #	45
78) n-propylbenzene	11.70	91	181	26.096	ug/l #	57
79) 2-Chlorotoluene	11.79	91	83	20.156	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.96	105	181	36.834	ug/l	79
81) trans-1,4-Dichloro-2-buten	11.97	75	219	534.969	ug/l #	58
82) 4-Chlorotoluene	11.99	91	99	23.920	ug/l #	43
83) tert-Butylbenzene	12.06	119	72	14.454	ug/l #	29
84) 1,2,4-Trimethylbenzene	12.29	105	150	30.061	ug/l #	31
85) sec-Butylbenzene	12.35	105	69	4.248	ug/l #	58
86) p-Isopropyltoluene	12.55	119	78	10.584	ug/l #	50
87) 1,3-Dichlorobenzene	12.52	146	70	28.474	ug/l #	24
88) 1,4-Dichlorobenzene	12.77	146	130	53.501	ug/l #	32
89) n-Butylbenzene	12.98	91	135	22.611	ug/l #	28
90) Hexachloroethane	12.87	117	60	43.044	ug/l #	22
91) 1,2-Dichlorobenzene	13.03	146	59	25.158	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.71	75	88	433.238	ug/l #	1
95) Naphthalene	14.53	128	140	46.846	ug/l #	68
96) 1,2,3-Trichlorobenzene	14.63	180	61	38.729	ug/l #	12

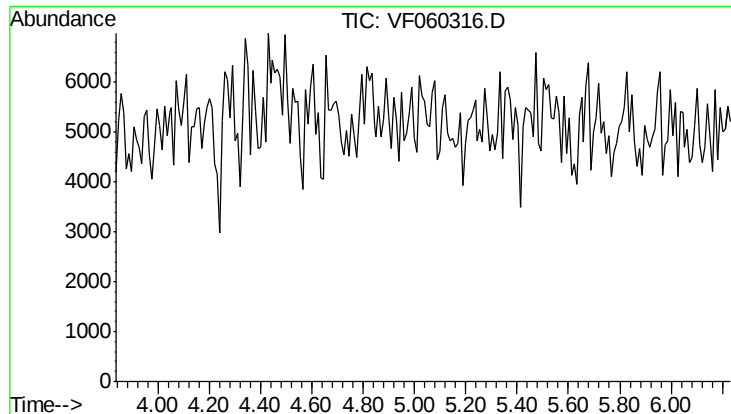
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF092118\
Data File : VF060316.D
Acq On : 21 Sep 2018 16:44
Operator : VA/AP
Sample : J4998-01RE
Misc : 5.01/5mL/MSVOA F/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
YG3-SLOAN-PARK-BRIDGERE

Quant Time: Sep 22 02:25:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 20 02:58:42 2018
Response via : Initial Calibration



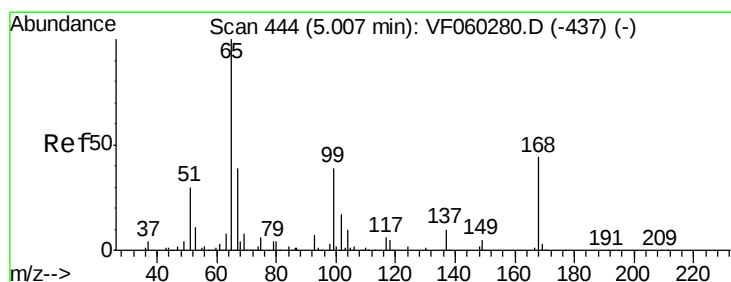
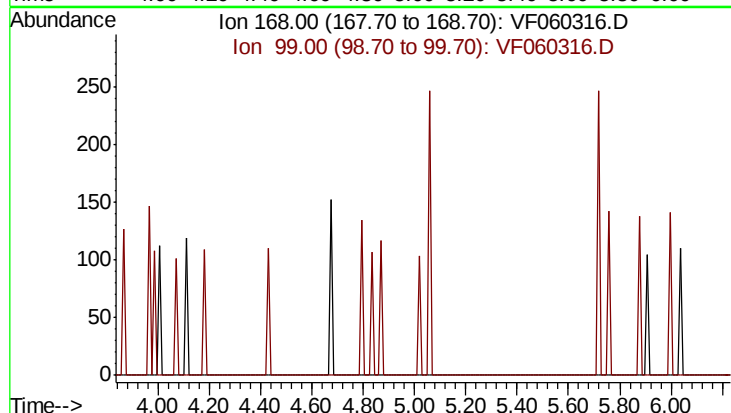


#1
Pentafluorobenzene
Concen: 0.000 ug/l
Expected RT: 5.04 min

Lab File: VF060316.D
Acq: 21 Sep 2018 16:44

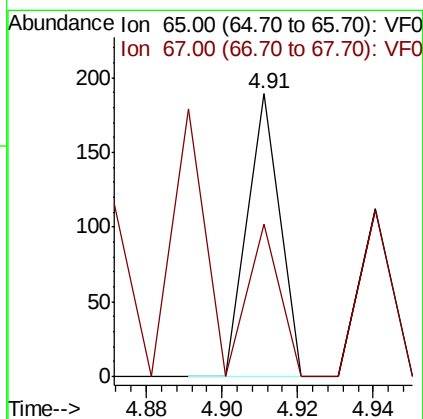
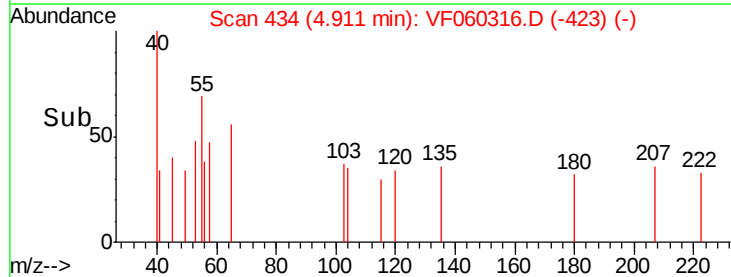
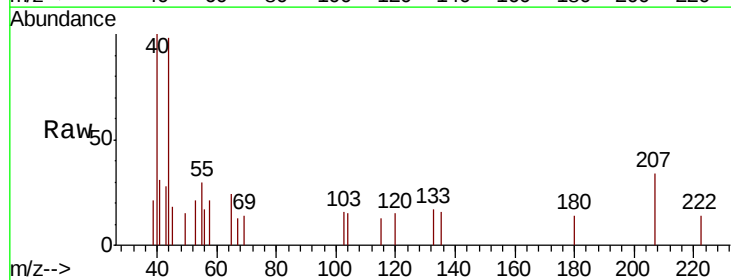
Instrument :
MSVOA_F
ClientSampleId :
YG3-SLOAN-PARK-BRIDGERE

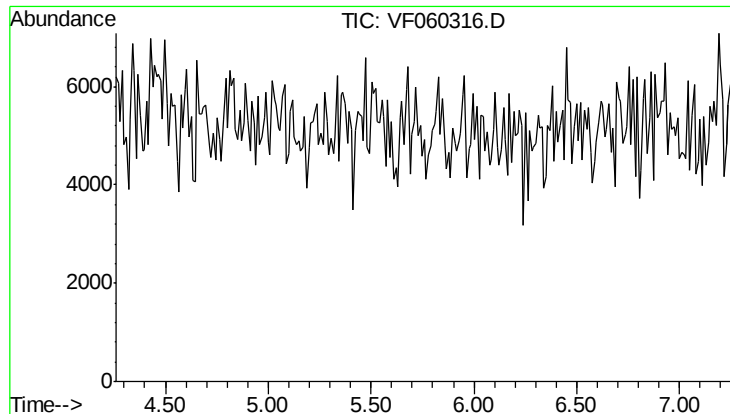
Tot Ion: 168
Sig Exp Ratio
168 100
99 68.5



#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
RT: 4.91 min Scan# 434
Delta R.T. -0.10 min
Lab File: VF060316.D
Acq: 21 Sep 2018 16:44

Tgt Ion: 65 Resp: 112
Ion Ratio Lower Upper
65 100
67 54.0 0.0 94.4



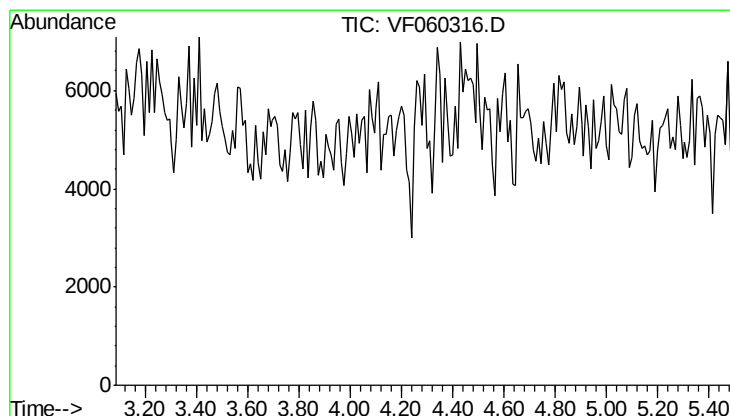
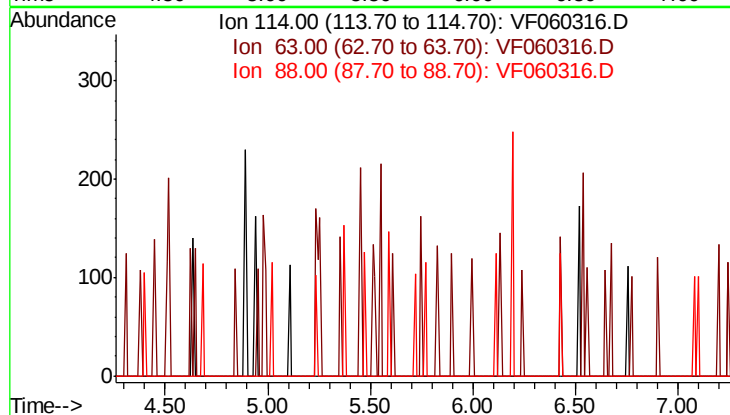


#34
 1,4-Difluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 5.76 min

Lab File: VF060316.D
 Acq: 21 Sep 2018 16:44

Instrument :
 MSVOA_F
 ClientSampleId :
 YG3-SLOAN-PARK-BRIDGERE

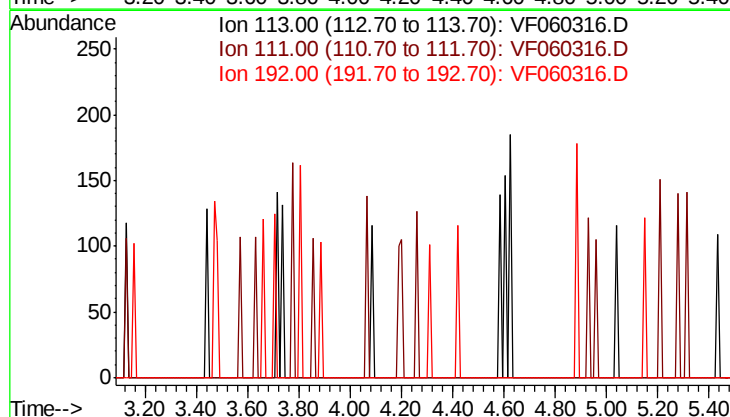
Tot Ion: 114
 Sig Exp Ratio
 114 100
 63 21.9
 88 20.6

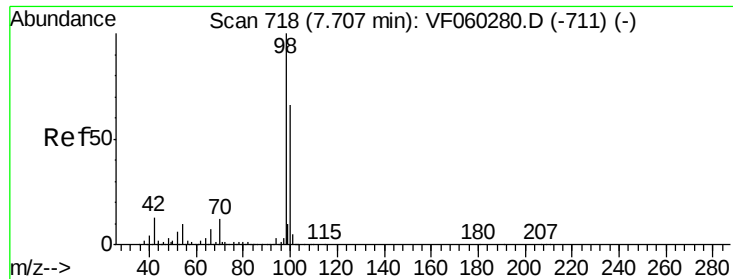


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.29 min

Lab File: VF060316.D
 Acq: 21 Sep 2018 16:44

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 99.5
 192 16.3

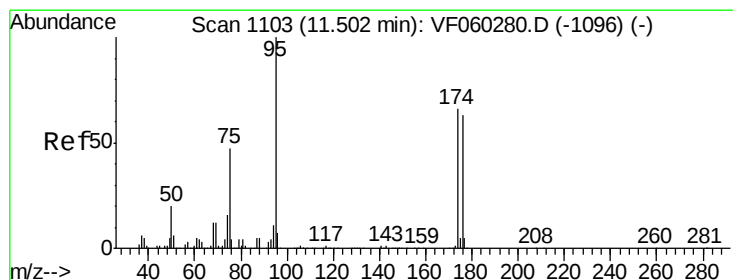
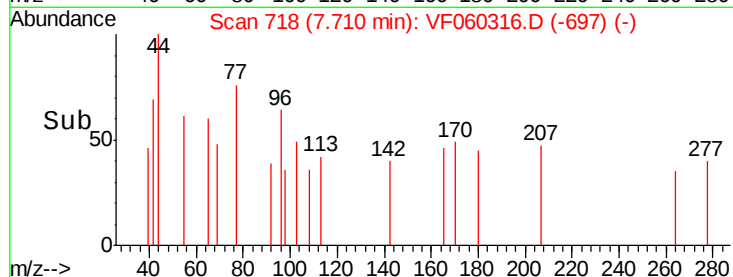
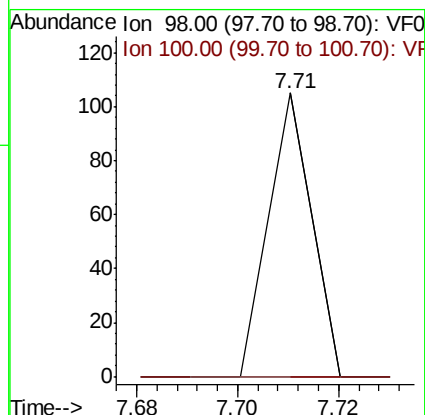
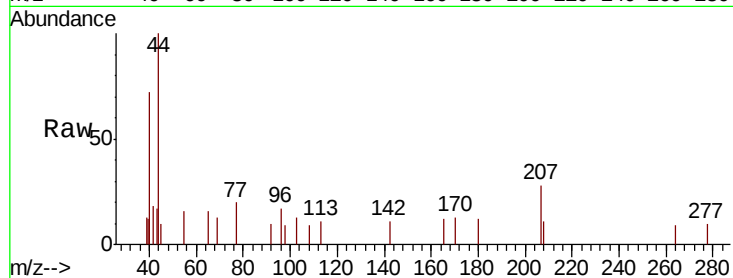




#50
Toluene-d8
Concen: 0.000 ug/l
RT: 7.71 min Scan# 718
Delta R.T. 0.00 min
Lab File: VF060316.D
Acq: 21 Sep 2018 16:44

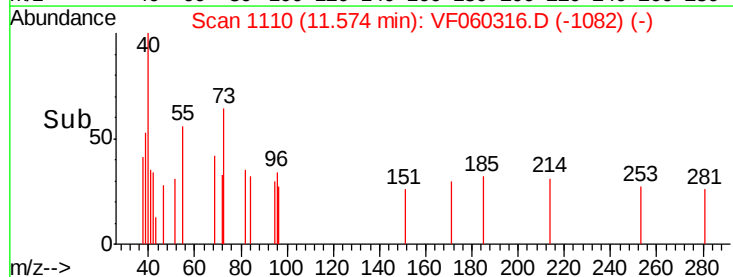
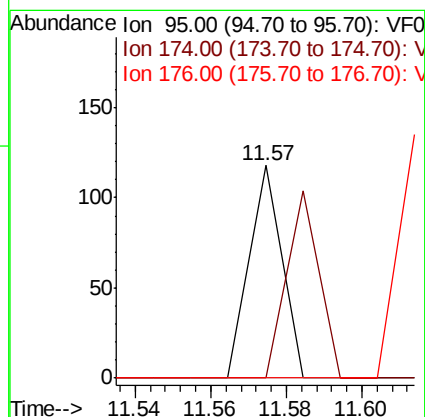
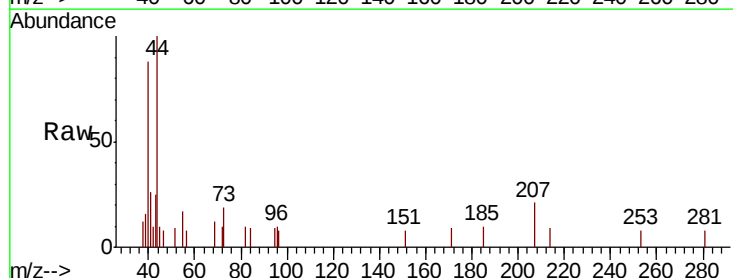
Instrument :
MSVOA_F
ClientSampleId :
YG3-SLOAN-PARK-BRIDGERE

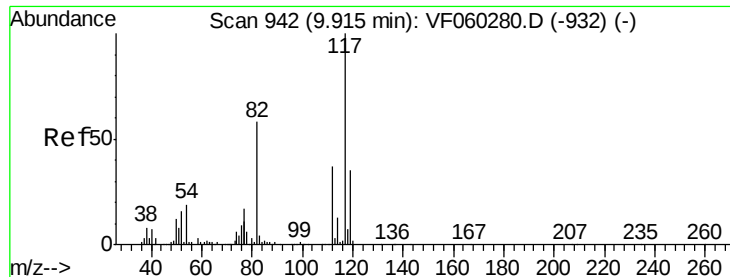
Tot Ion: 98 Resp: 62
Ion Ratio Lower Upper
98 100
100 0.0 53.0 79.6#



#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
RT: 11.57 min Scan# 1110
Delta R.T. 0.07 min
Lab File: VF060316.D
Acq: 21 Sep 2018 16:44

Tgt Ion: 95 Resp: 70
Ion Ratio Lower Upper
95 100
174 0.0 0.0 131.2
176 0.0 0.0 126.6

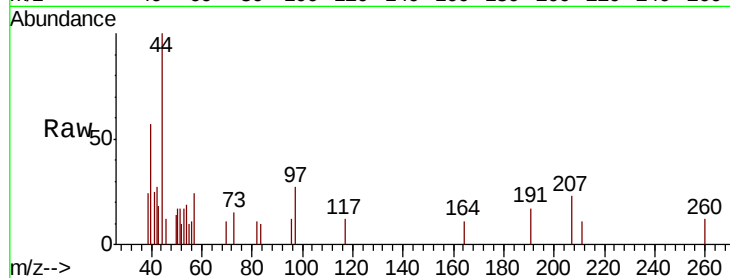




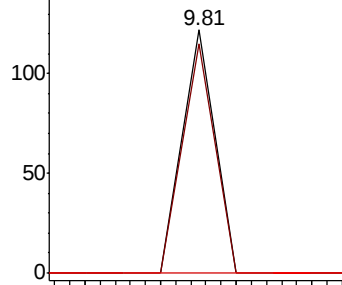
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.11 min
Lab File: VF060316.D
Acq: 21 Sep 2018 16:44

Instrument :
MSVOA_F
ClientSampleId :
YG3-SLOAN-PARK-BRIDGERE

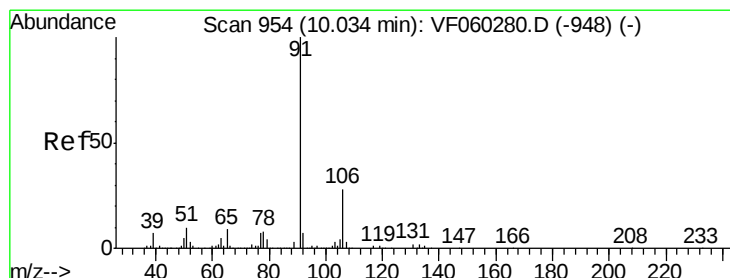
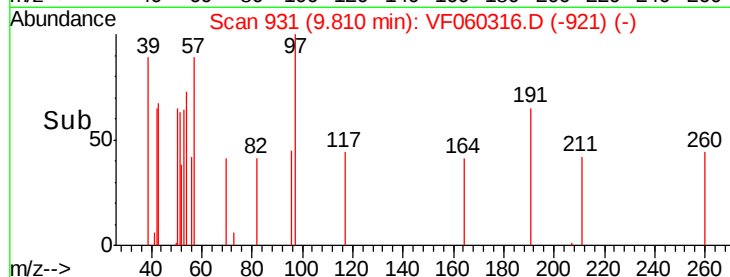
Tot Ion:117 Resp: 72
Ion Ratio Lower Upper
117 100
82 94.3 46.2 69.2#
119 0.0 27.8 41.6#



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

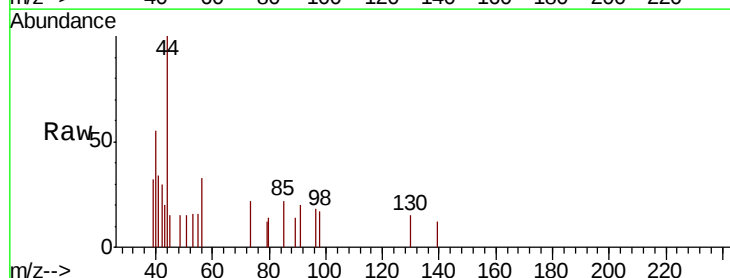


Time-->

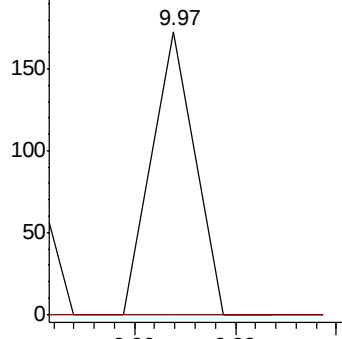


#67
Ethyl Benzene
Concen: 33.806 ug/l
RT: 9.97 min Scan# 947
Delta R.T. -0.07 min
Lab File: VF060316.D
Acq: 21 Sep 2018 16:44

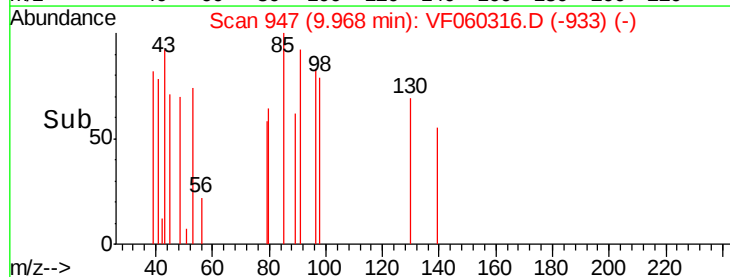
Tgt Ion: 91 Resp: 102
Ion Ratio Lower Upper
91 100
106 0.0 22.7 34.1#

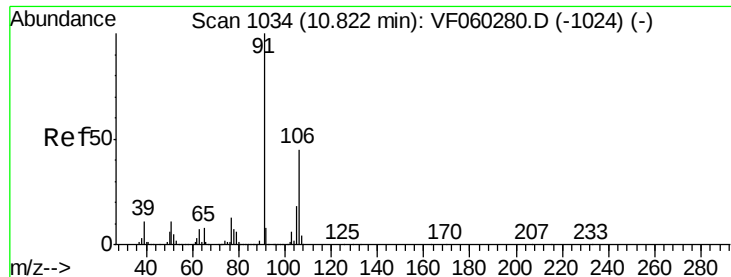


Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 106.00 (105.70 to 106.70): V



Time-->

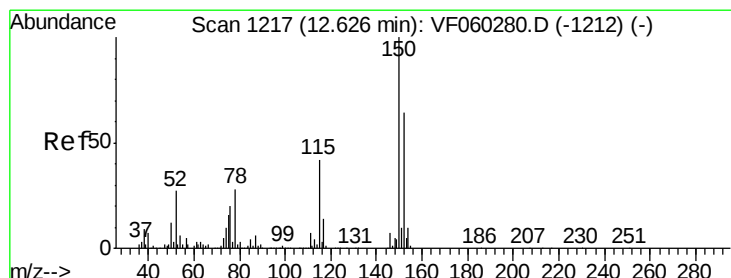
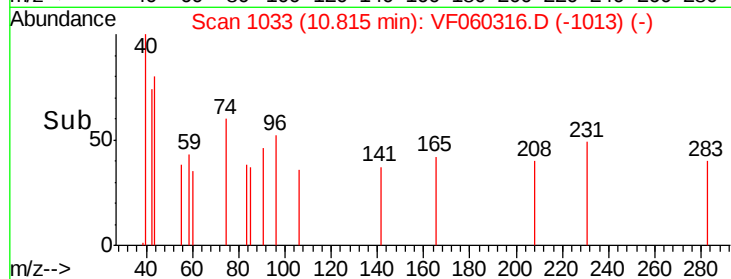
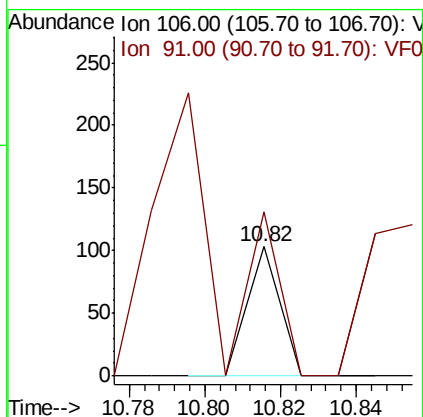
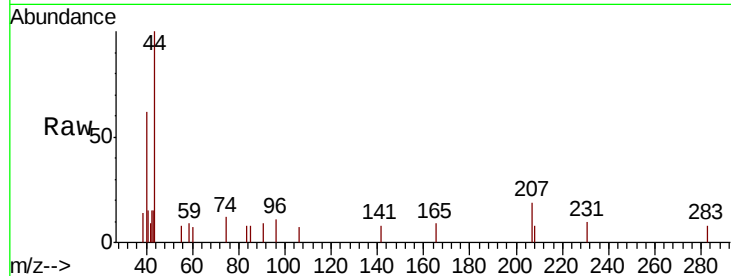




#69
o-Xylene
Concen: 52.173 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VF060316.D
Acq: 21 Sep 2018 16:44

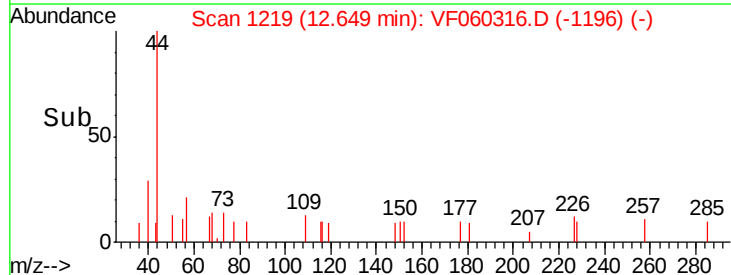
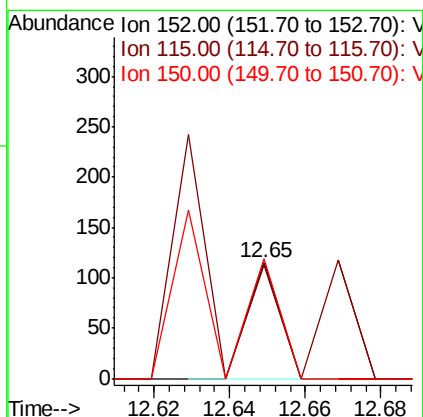
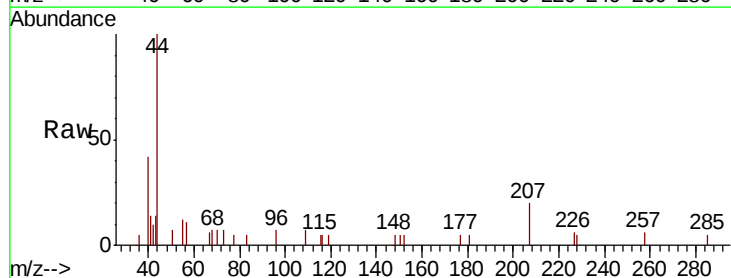
Instrument :
MSVOA_F
ClientSampleId :
YG3-SLOAN-PARK-BRIDGERE

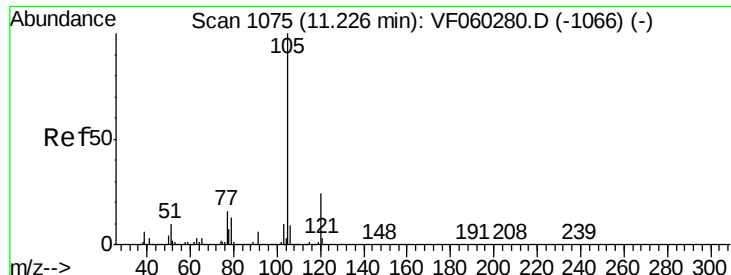
Tot Ion:106 Resp: 61
Ion Ratio Lower Upper
106 100
91 127.2 110.9 332.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.65 min Scan# 1219
Delta R.T. 0.02 min
Lab File: VF060316.D
Acq: 21 Sep 2018 16:44

Tgt Ion:152 Resp: 68
Ion Ratio Lower Upper
152 100
115 98.3 32.6 97.8#
150 103.5 0.0 314.2





#73

Isopropylbenzene

Concen: 27.684 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. -0.02 min

Lab File: VF060316.D

Acq: 21 Sep 2018 16:44

Instrument :

MSVOA_F

ClientSampleId :

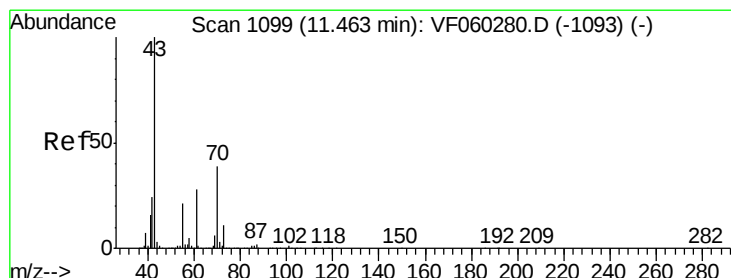
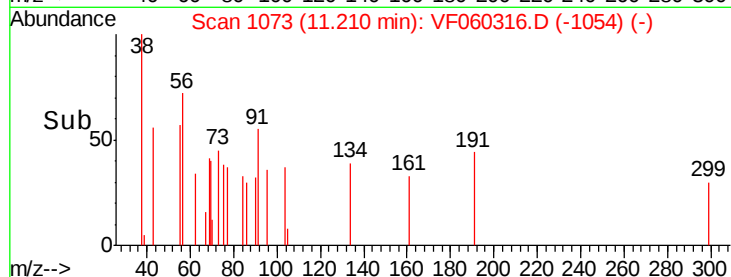
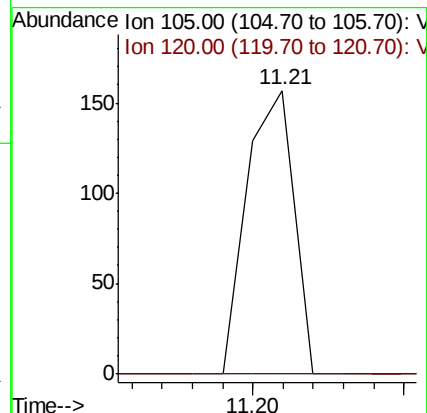
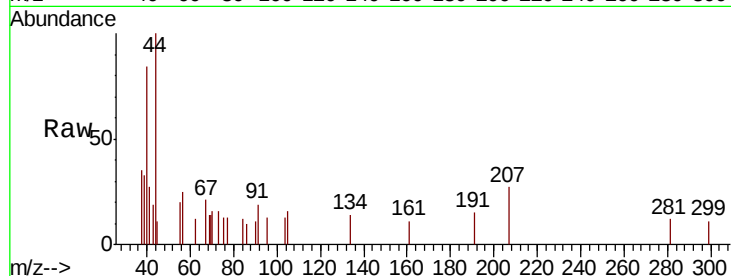
YG3-SLOAN-PARK-BRIDGERE

Tot Ion:105 Resp: 169

Ion Ratio Lower Upper

105 100

120 0.0 12.2 36.6#



#74

N-ethyl acetate

Concen: 458.609 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. 0.02 min

Lab File: VF060316.D

Acq: 21 Sep 2018 16:44

Tgt Ion: 43 Resp: 597

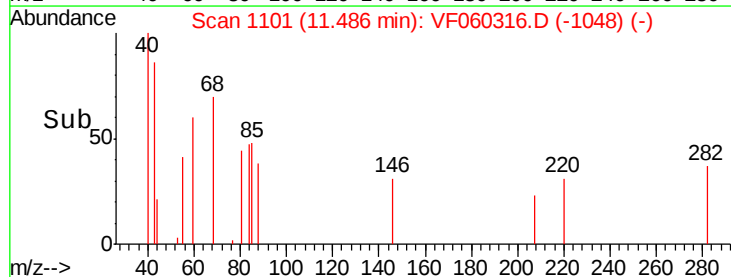
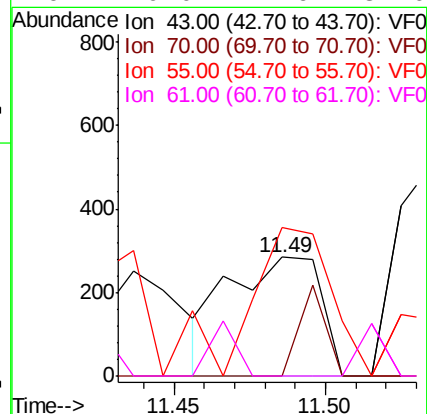
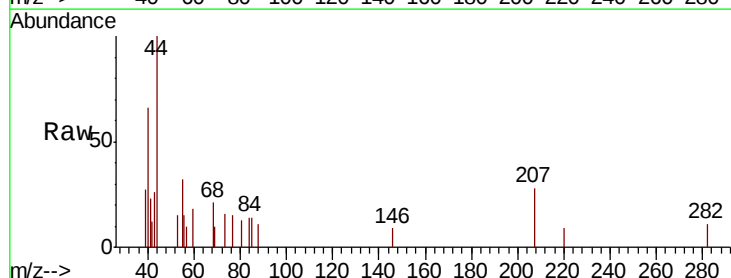
Ion Ratio Lower Upper

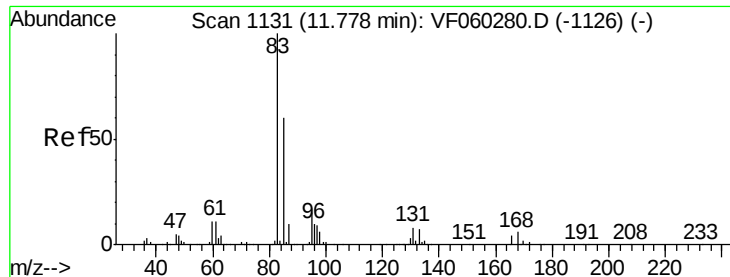
43 100

70 0.0 31.4 47.2#

55 124.6 16.8 25.2#

61 0.0 22.6 34.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 64.703 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. 0.06 min

Lab File: VF060316.D

Acq: 21 Sep 2018 16:44

Instrument :

MSVOA_F

ClientSampleId :

YG3-SLOAN-PARK-BRIDGERE

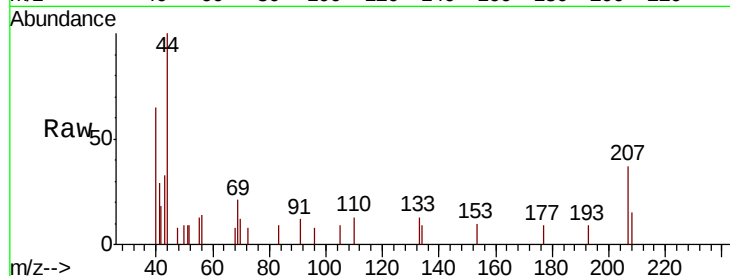
Tot Ion: 83 Resp: 70

Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.4#

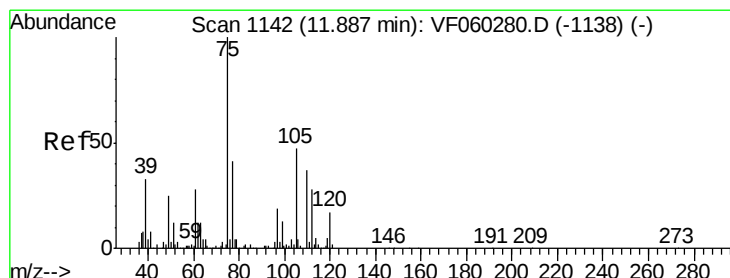
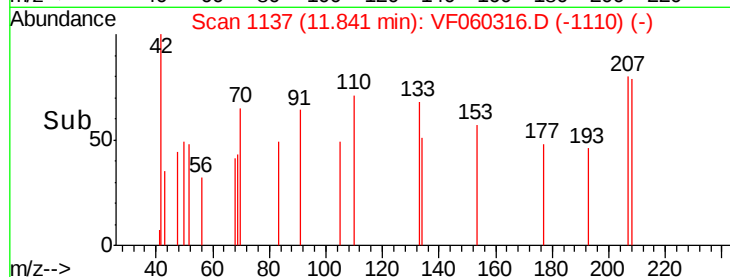
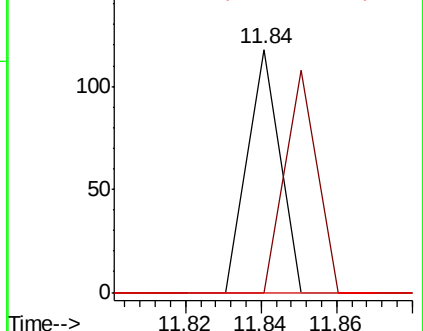
85 0.0 30.1 90.5#



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: 282.717 ug/l

RT: 11.97 min Scan# 1150

Delta R.T. 0.08 min

Lab File: VF060316.D

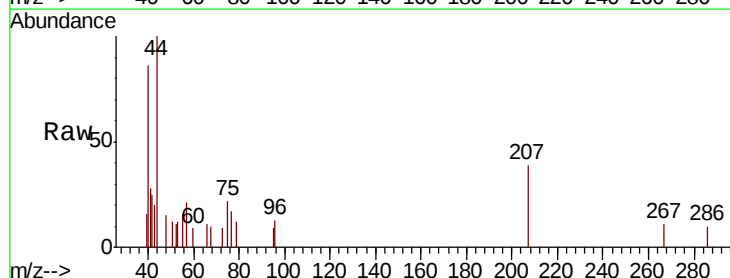
Acq: 21 Sep 2018 16:44

Tgt Ion: 75 Resp: 219

Ion Ratio Lower Upper

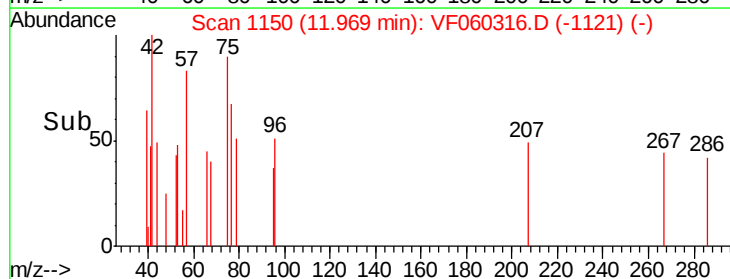
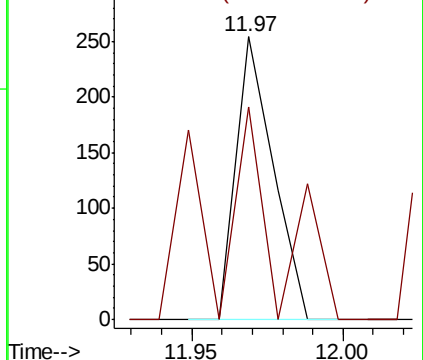
75 100

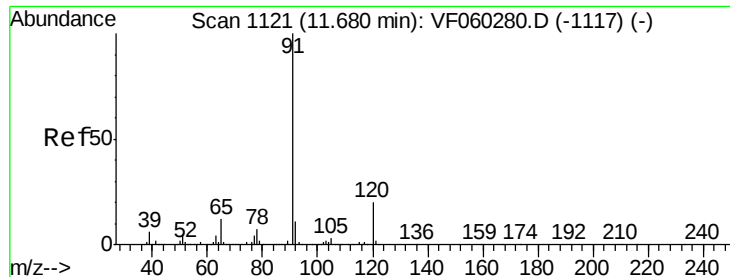
77 75.2 20.5 61.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#78

n-propylbenzene

Concen: 26.096 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. 0.02 min

Lab File: VF060316.D

Acq: 21 Sep 2018 16:44

Instrument :

MSVOA_F

ClientSampleId :

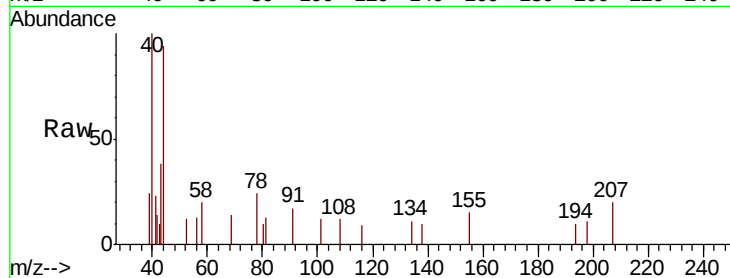
YG3-SLOAN-PARK-BRIDGERE

Tot Ion: 91 Resp: 181

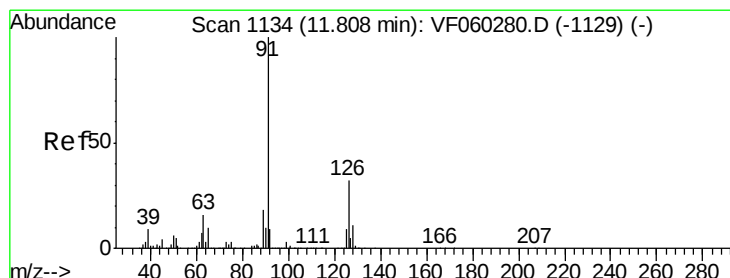
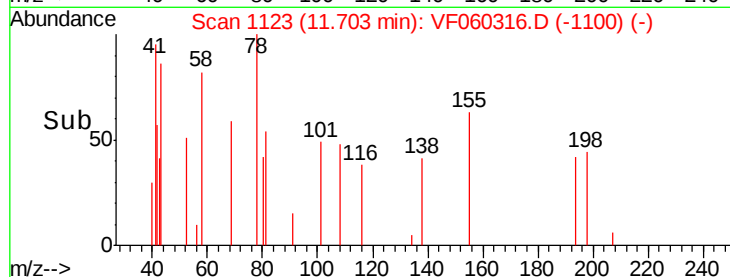
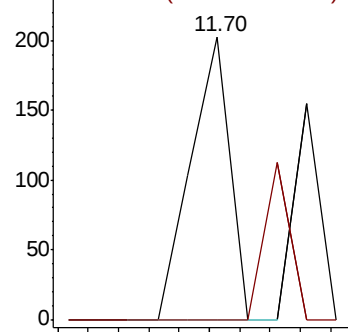
Ion Ratio Lower Upper

91 100

120 0.0 10.0 29.8#



Abundance Ion 91.00 (90.70 to 91.70): VF0



#79

2-Chlorotoluene

Concen: 20.156 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.02 min

Lab File: VF060316.D

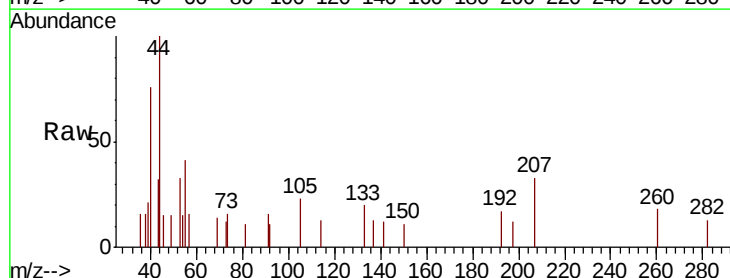
Acq: 21 Sep 2018 16:44

Tgt Ion: 91 Resp: 83

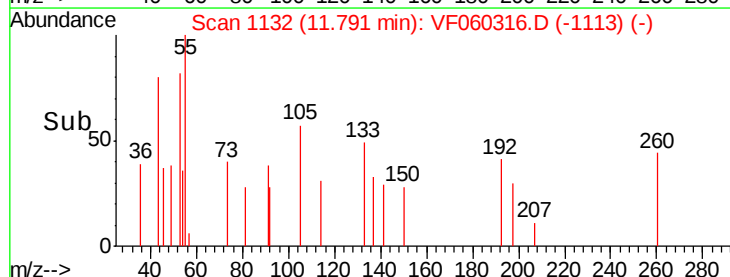
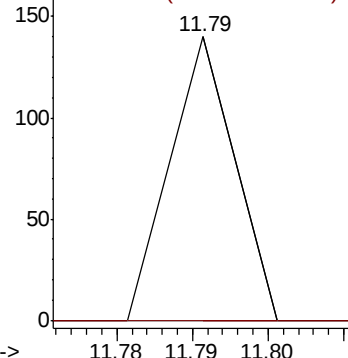
Ion Ratio Lower Upper

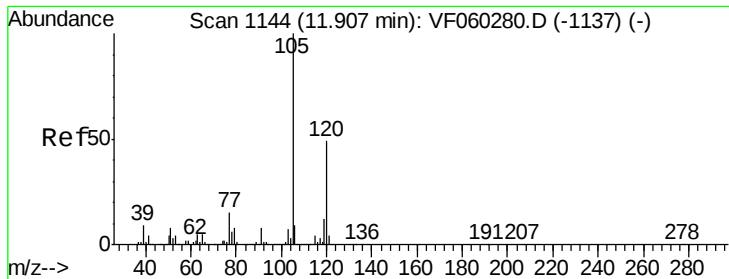
91 100

126 0.0 16.1 48.3#



Abundance Ion 91.00 (90.70 to 91.70): VF0





#80

1,3,5-Trimethylbenzene

Concen: 36.834 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. 0.05 min

Lab File: VF060316.D

Acq: 21 Sep 2018 16:44

Instrument :

MSVOA_F

ClientSampleId :

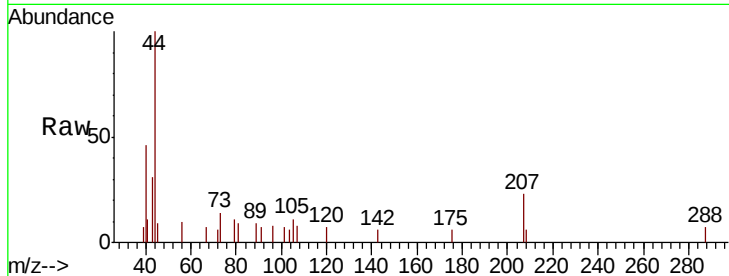
YG3-SLOAN-PARK-BRIDGERE

Tot Ion:105 Resp: 181

Ion Ratio Lower Upper

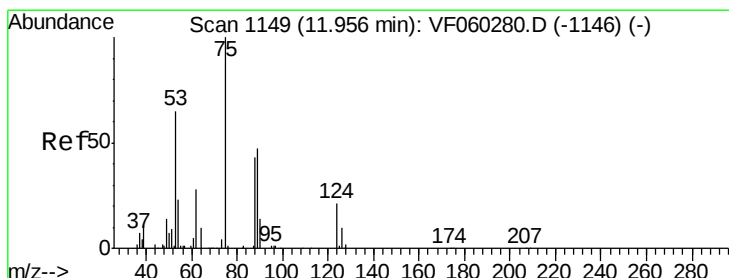
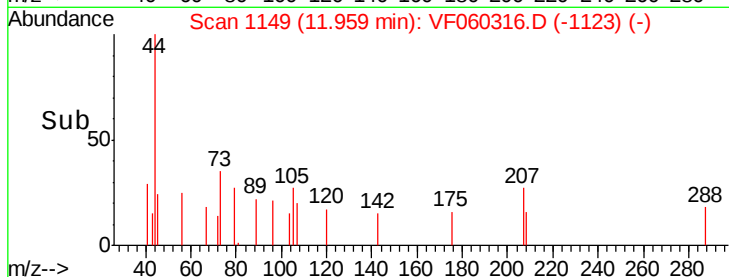
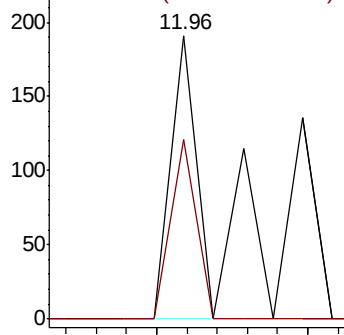
105 100

120 63.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 534.969 ug/l

RT: 11.97 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VF060316.D

Acq: 21 Sep 2018 16:44

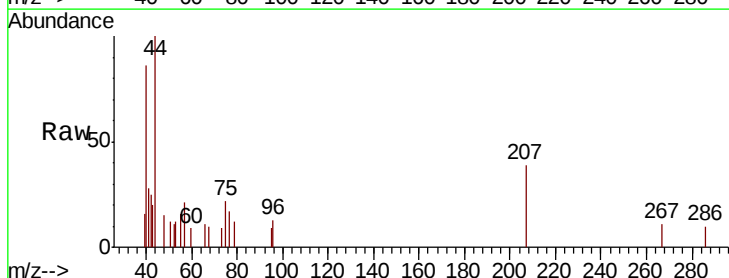
Tgt Ion: 75 Resp: 219

Ion Ratio Lower Upper

75 100

53 53.9 56.5 84.7#

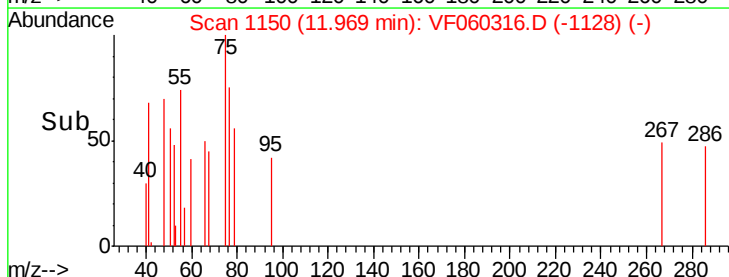
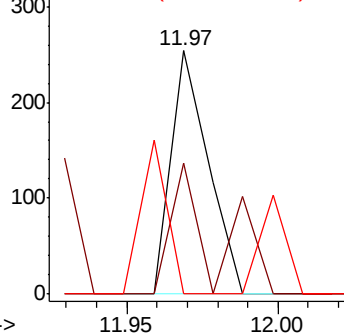
89 0.0 40.6 60.8#

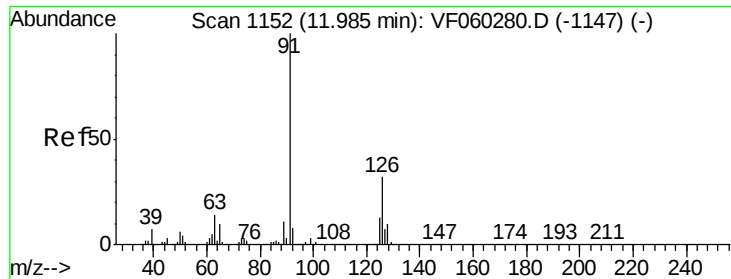


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

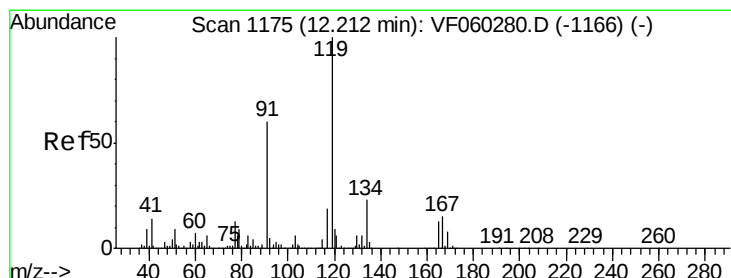
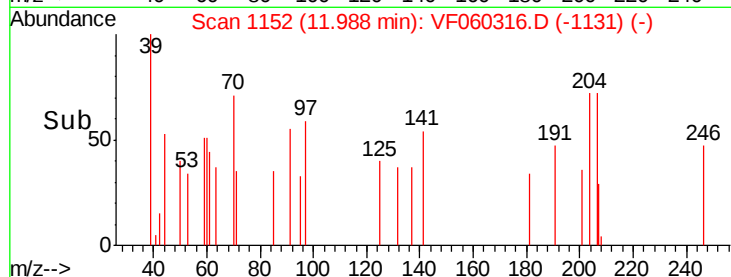
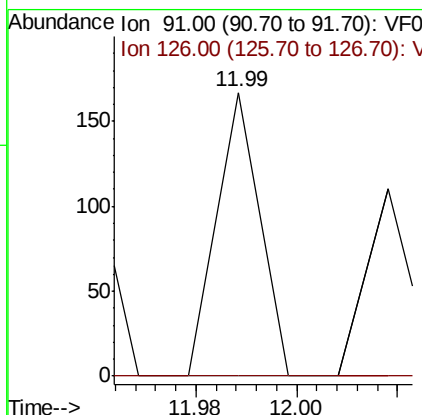
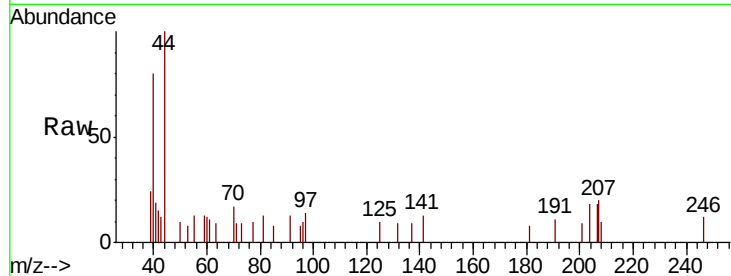




#82
 4-Chlorotoluene
 Concen: 23.920 ug/l
 RT: 11.99 min Scan# 1152
 Delta R.T. 0.00 min
 Lab File: VF060316.D
 Acq: 21 Sep 2018 16:44

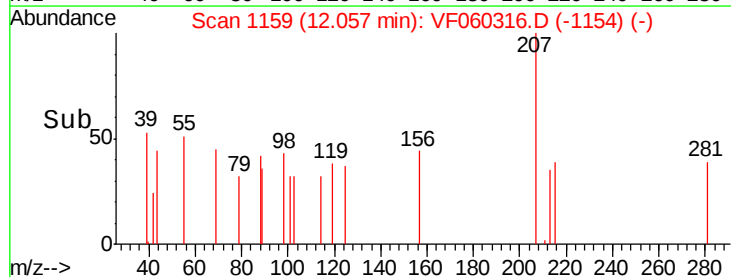
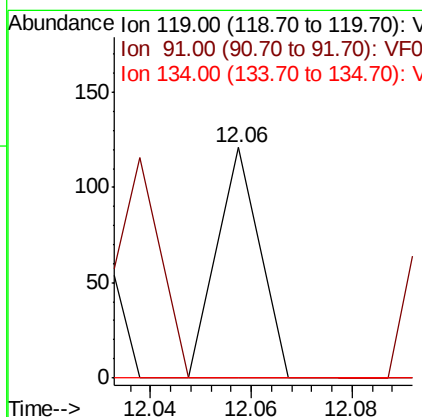
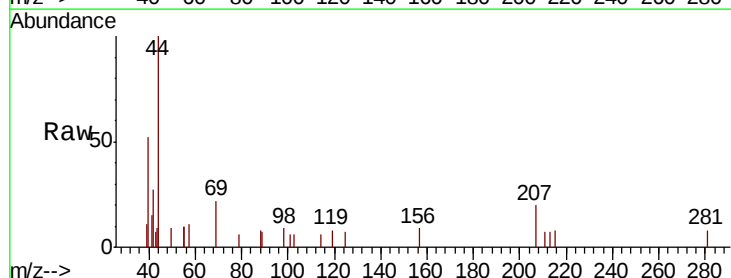
Instrument :
 MSVOA_F
 ClientSampleId :
 YG3-SLOAN-PARK-BRIDGERE

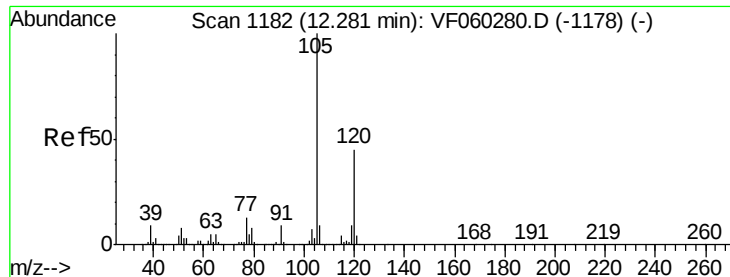
Tot Ion: 91 Resp: 99
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.1 48.2#



#83
 tert-Butylbenzene
 Concen: 14.454 ug/l
 RT: 12.06 min Scan# 1159
 Delta R.T. -0.15 min
 Lab File: VF060316.D
 Acq: 21 Sep 2018 16:44

Tgt Ion: 119 Resp: 72
 Ion Ratio Lower Upper
 119 100
 91 0.0 30.3 91.0#
 134 0.0 11.6 34.8#

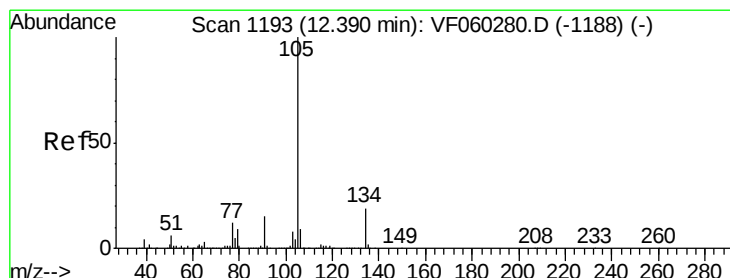
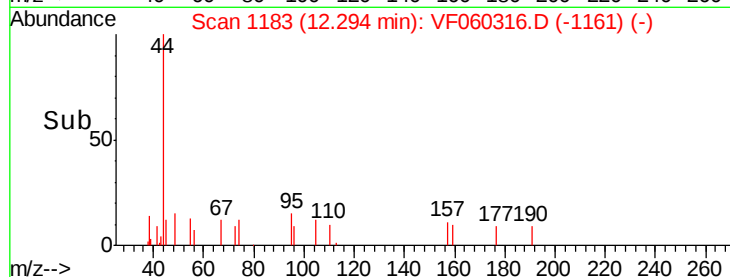
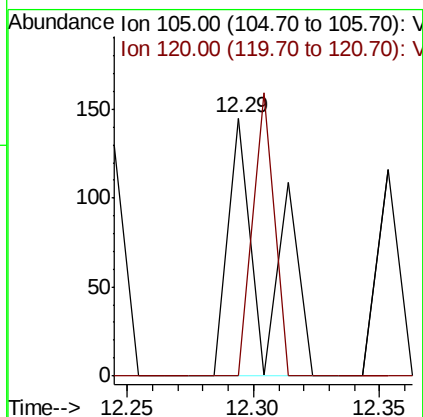
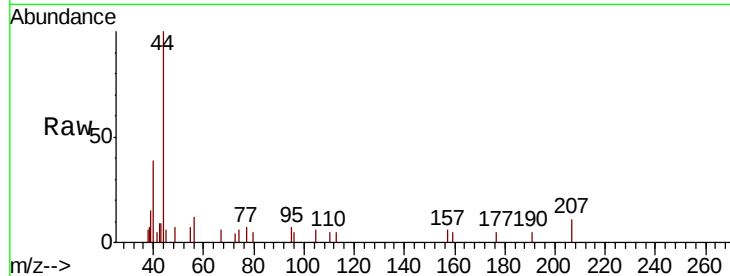




#84
 1,2,4-Trimethylbenzene
 Concen: 30.061 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: VF060316.D
 Acq: 21 Sep 2018 16:44

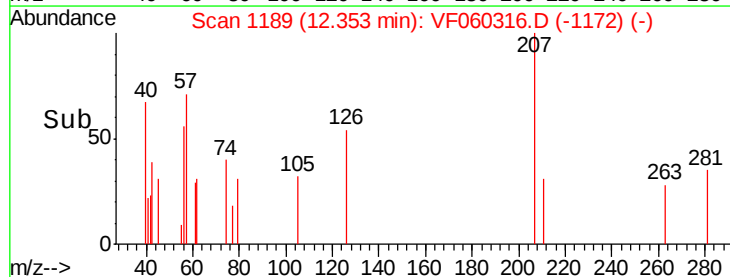
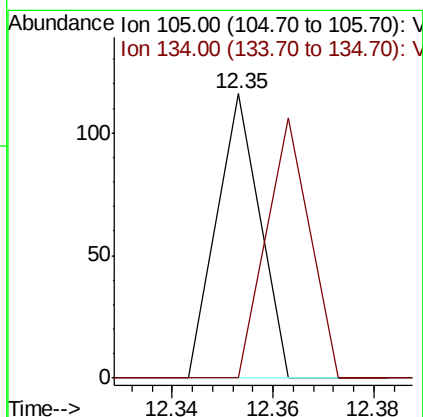
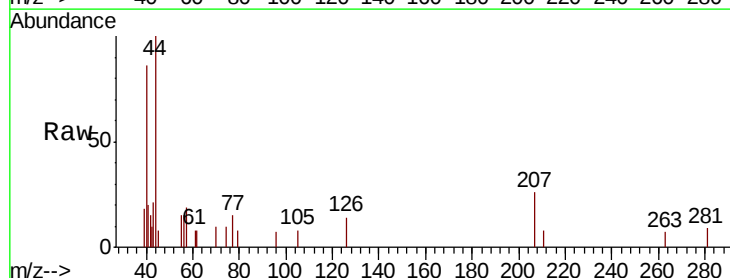
Instrument :
 MSVOA_F
 ClientSampleId :
 YG3-SLOAN-PARK-BRIDGERE

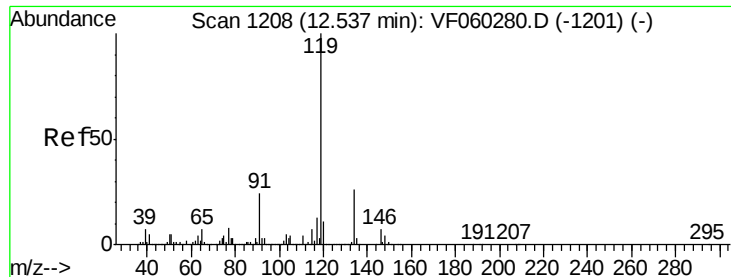
Tot Ion:105 Resp: 150
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.4 67.0#



#85
 sec-Butylbenzene
 Concen: 4.248 ug/l
 RT: 12.35 min Scan# 1189
 Delta R.T. -0.04 min
 Lab File: VF060316.D
 Acq: 21 Sep 2018 16:44

Tgt Ion:105 Resp: 69
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6#

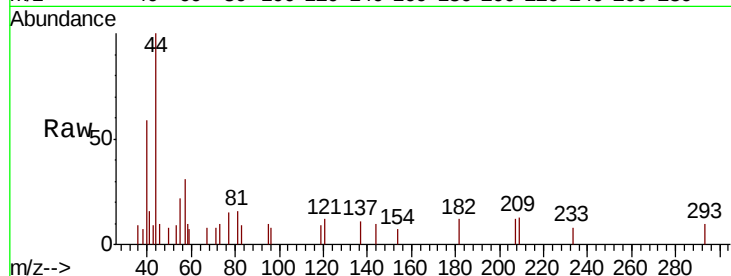




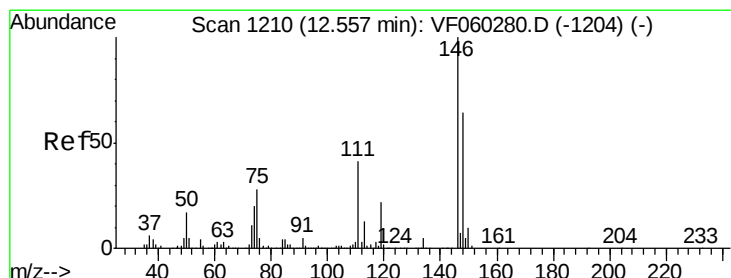
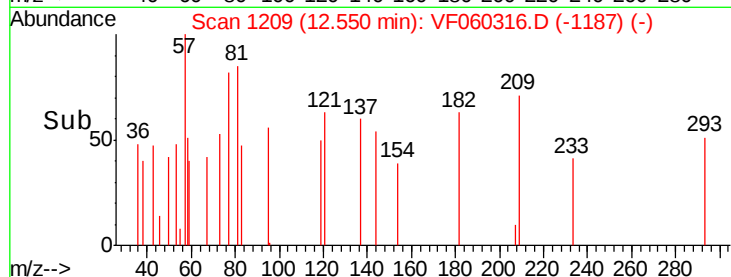
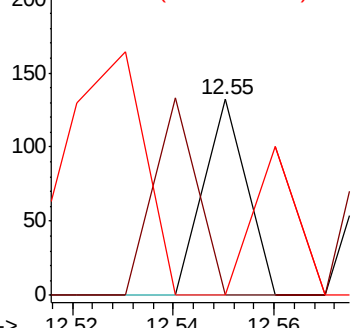
#86
 p-Isopropyltoluene
 Concen: 10.584 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: VF060316.D
 Acq: 21 Sep 2018 16:44

Instrument :
 MSVOA_F
 ClientSampleId :
 YG3-SLOAN-PARK-BRIDGERE

Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.9	38.7#
91	0.0	11.9	35.7#

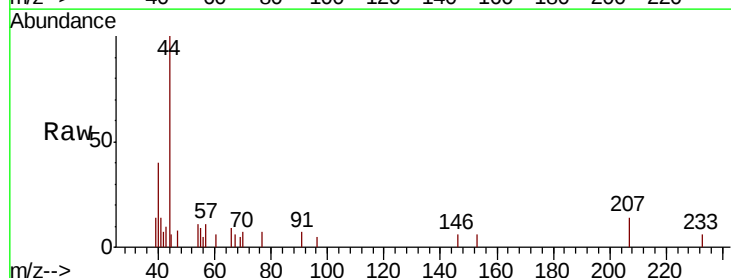


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

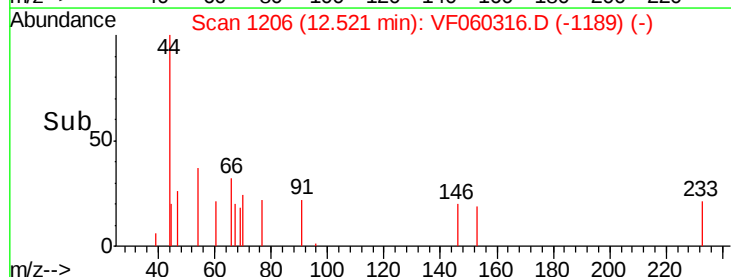
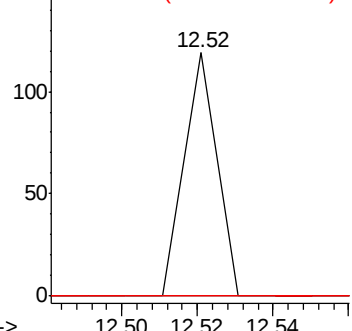


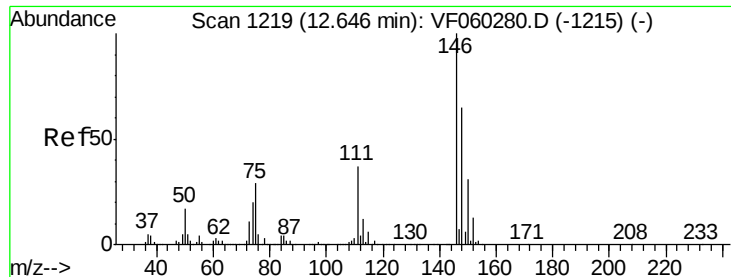
#87
 1,3-Dichlorobenzene
 Concen: 28.474 ug/l
 RT: 12.52 min Scan# 1206
 Delta R.T. -0.04 min
 Lab File: VF060316.D
 Acq: 21 Sep 2018 16:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.5	61.6#
148	0.0	32.2	96.6#



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#88

1,4-Dichlorobenzene

Concen: 53.501 ug/l

RT: 12.77 min Scan# 1231

Delta R.T. 0.12 min

Lab File: VF060316.D

Acq: 21 Sep 2018 16:44

Instrument :

MSVOA_F

ClientSampleId :

YG3-SLOAN-PARK-BRIDGERE

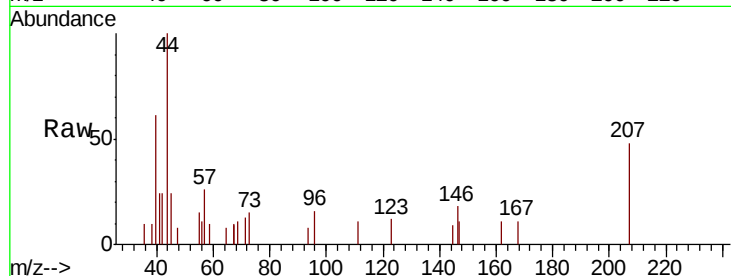
Tot Ion:146 Resp: 130

Ion Ratio Lower Upper

146 100

111 63.5 18.7 56.1#

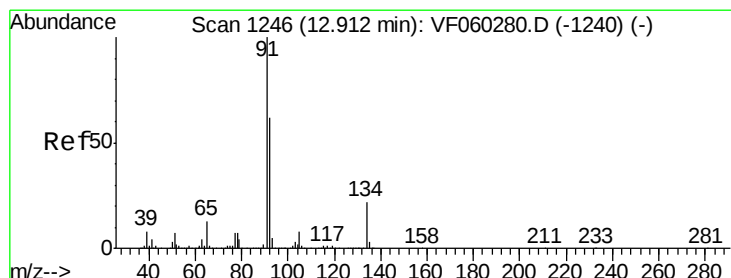
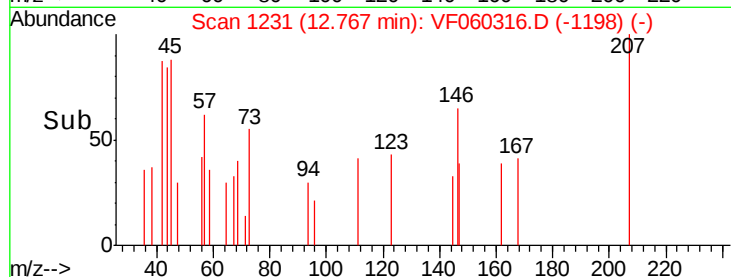
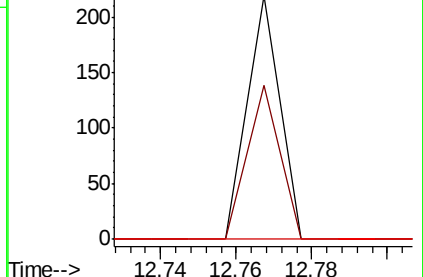
148 0.0 32.4 97.0#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#89

n-Butylbenzene

Concen: 22.611 ug/l

RT: 12.98 min Scan# 1253

Delta R.T. 0.07 min

Lab File: VF060316.D

Acq: 21 Sep 2018 16:44

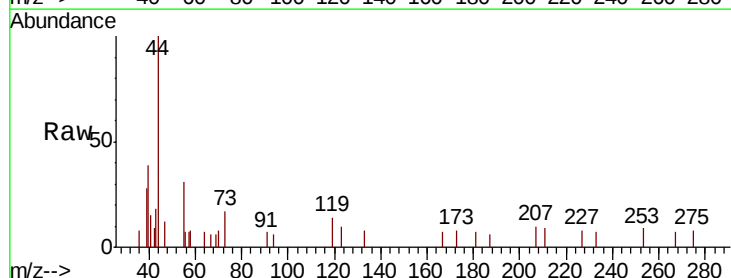
Tgt Ion: 91 Resp: 135

Ion Ratio Lower Upper

91 100

92 0.0 31.1 93.5#

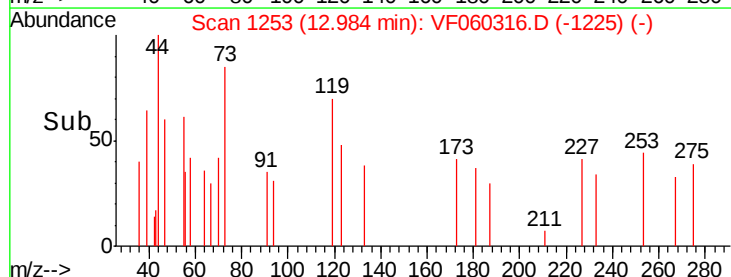
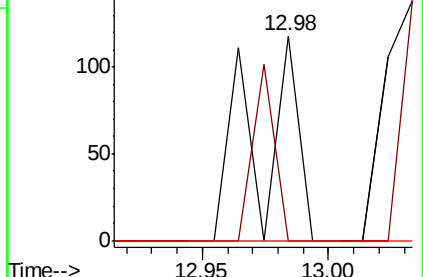
134 0.0 11.0 33.0#

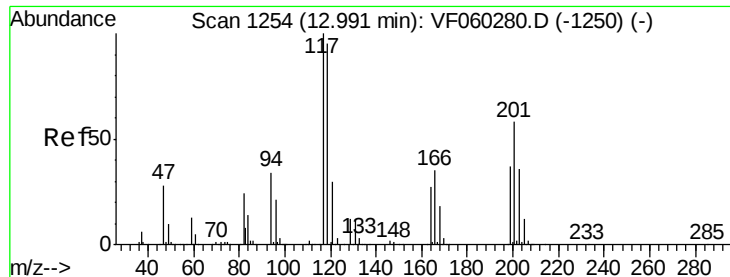


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 43.044 ug/l

RT: 12.87 min Scan# 1241

Delta R.T. -0.13 min

Lab File: VF060316.D

Acq: 21 Sep 2018 16:44

Instrument :

MSVOA_F

ClientSampleId :

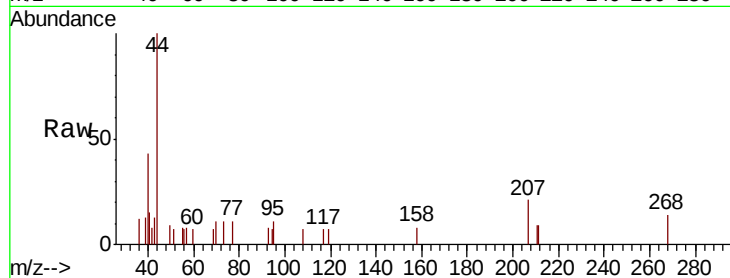
YG3-SLOAN-PARK-BRIDGERE

Tot Ion:117 Resp: 60

Ion Ratio Lower Upper

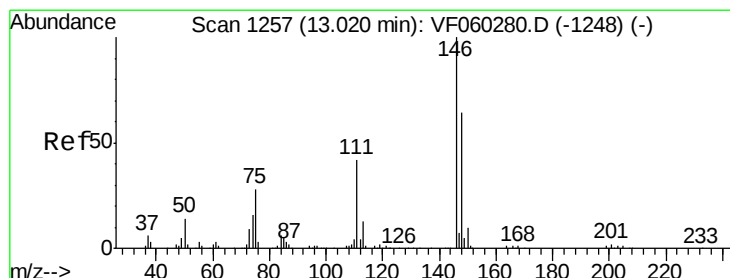
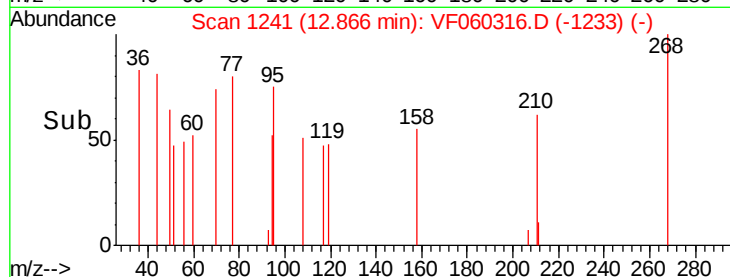
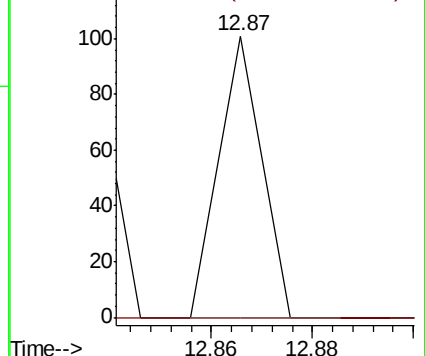
117 100

201 0.0 29.0 87.0#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#91

1,2-Dichlorobenzene

Concen: 25.158 ug/l

RT: 13.03 min Scan# 1258

Delta R.T. 0.01 min

Lab File: VF060316.D

Acq: 21 Sep 2018 16:44

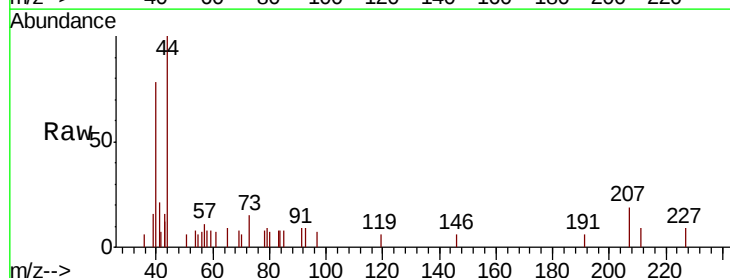
Tgt Ion:146 Resp: 59

Ion Ratio Lower Upper

146 100

111 0.0 20.9 62.8#

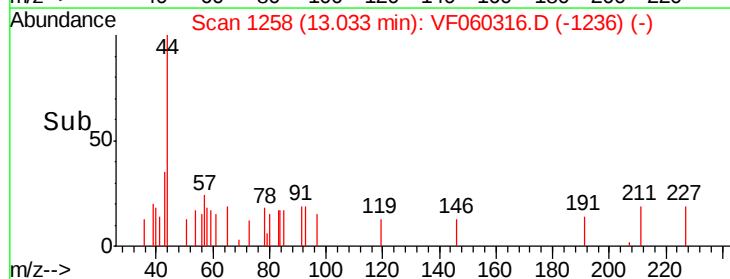
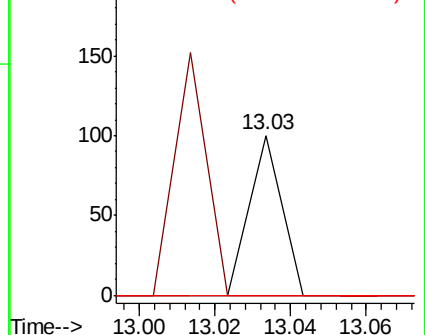
148 0.0 31.9 95.9#

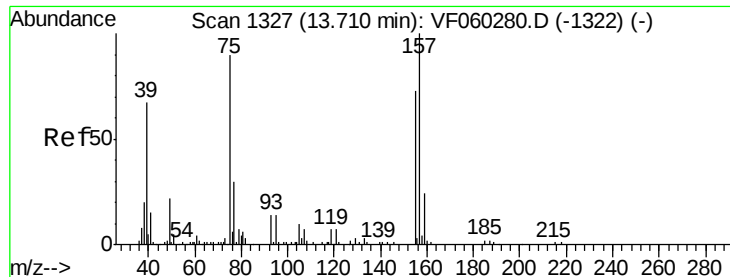


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 433.238 ug/l

RT: 13.71 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VF060316.D

Acq: 21 Sep 2018 16:44

Instrument :

MSVOA_F

ClientSampleId :

YG3-SLOAN-PARK-BRIDGERE

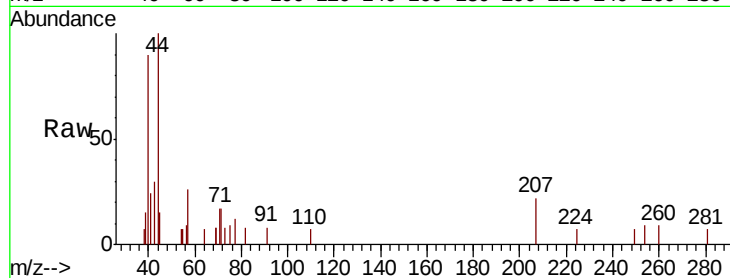
Tot Ion: 75 Resp: 88

Ion Ratio Lower Upper

75 100

155 0.0 41.9 125.7#

157 0.0 57.4 172.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

13.71

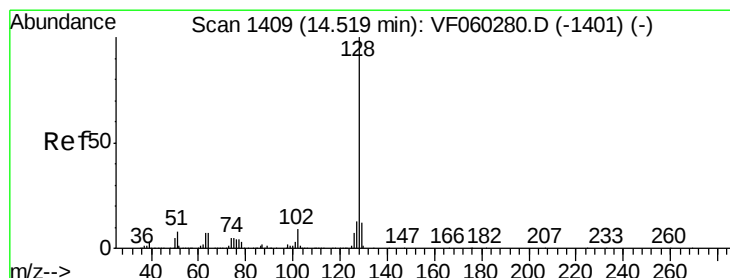
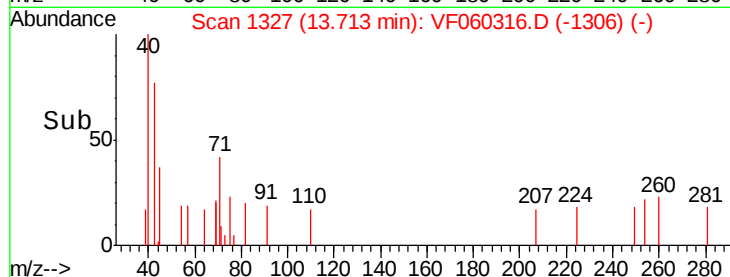
150

100

50

0

Time-->



#95

Naphthalene

Concen: 46.846 ug/l

RT: 14.53 min Scan# 1410

Delta R.T. 0.01 min

Lab File: VF060316.D

Acq: 21 Sep 2018 16:44

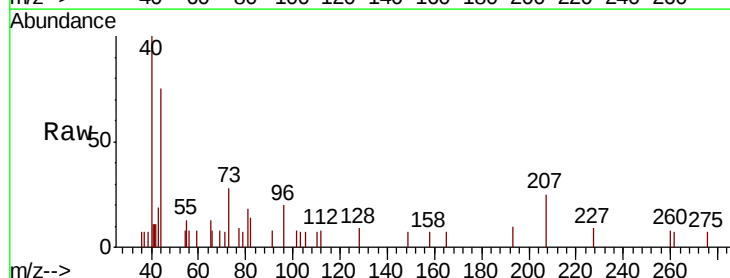
Tgt Ion: 128 Resp: 140

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 0.0 9.8 14.8#



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

14.53

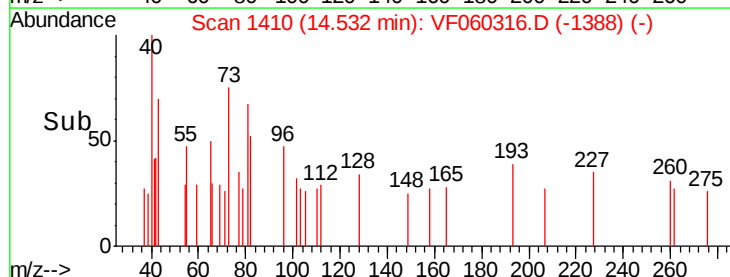
150

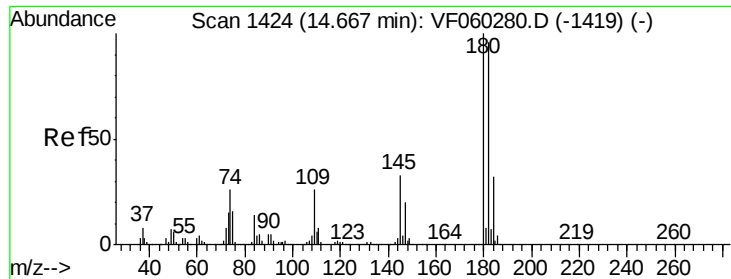
100

50

0

Time-->

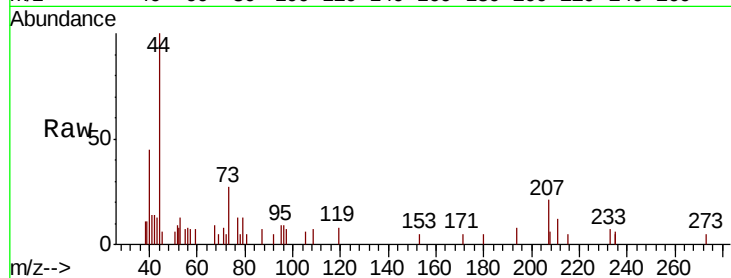




#96
 1,2,3-Trichlorobenzene
 Concen: 38.729 ug/l
 RT: 14.63 min Scan# 1420
 Delta R.T. -0.04 min
 Lab File: VF060316.D
 Acq: 21 Sep 2018 16:44

Instrument :
 MSVOA_F
 ClientSampleId :
 YG3-SLOAN-PARK-BRIDGERE

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.8	143.4#
145	0.0	16.4	49.1#



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

