

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031819\
 Data File : VF061996.D
 Acq On : 18 Mar 2019 14:37
 Operator : VA/AP
 Sample : K1926-01RE
 Misc : 5.04g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SUMP-MUCKRE

Quant Time: Mar 19 01:49:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	156583	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	227931	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	150570	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	51665	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	73709	65.39	ug/l	-0.01
Spiked Amount			Recovery	=	130.78%	
35) Dibromofluoromethane	4.10	113	107131	69.99	ug/l	-0.01
Spiked Amount			Recovery	=	139.98%	
50) Toluene-d8	7.54	98	250884	56.07	ug/l	-0.01
Spiked Amount			Recovery	=	112.14%	
62) 4-Bromofluorobenzene	11.40	95	74762	42.06	ug/l	-0.01
Spiked Amount			Recovery	=	84.12%	

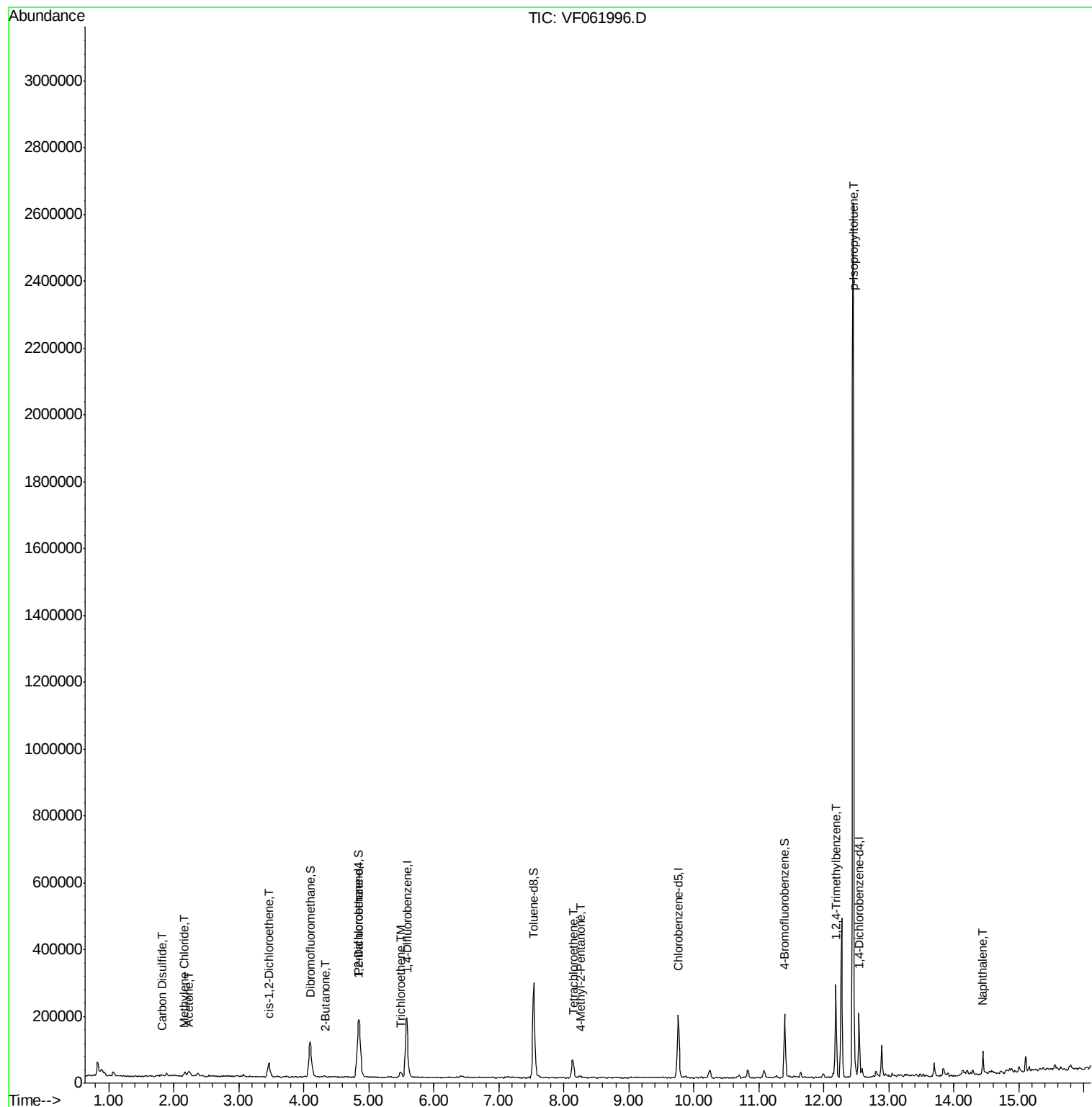
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.24	43	18626	73.590	ug/l	92
17) Carbon Disulfide	1.81	76	14689	3.843	ug/l #	89
20) Methylene Chloride	2.17	84	10736m	8.239	ug/l	
25) 2-Butanone	4.33	43	5670	11.311	ug/l	91
27) cis-1,2-Dichloroethene	3.47	96	27865	16.030	ug/l	95
44) Trichloroethene	5.50	130	8117	4.858	ug/l	83
51) 4-Methyl-2-Pentanone	8.25	43	6417	8.264	ug/l	97
64) Tetrachloroethene	8.14	164	18729	17.112	ug/l	93
84) 1,2,4-Trimethylbenzene	12.18	105	15647	5.418	ug/l #	62
86) p-Isopropyltoluene	12.45	119	1515933	445.930	ug/l	96
95) Naphthalene	14.44	128	3111	1.651	ug/l #	81

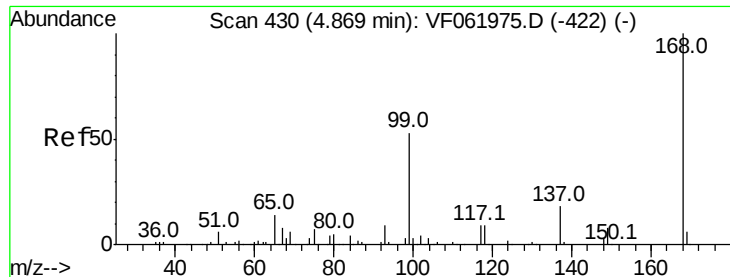
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031819\
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Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061996.D

Acq: 18 Mar 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

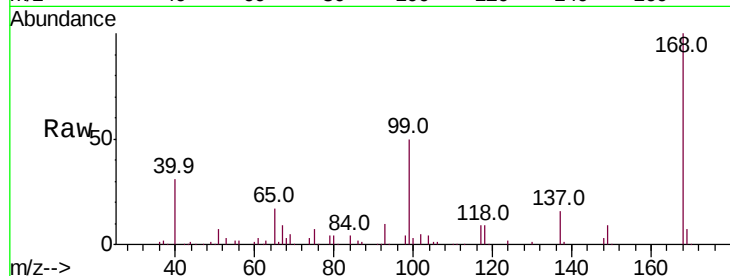
SUMP-MUCKRE

Tot Ion:168 Resp: 156583

Ion Ratio Lower Upper

168 100

99 50.1 42.4 63.6

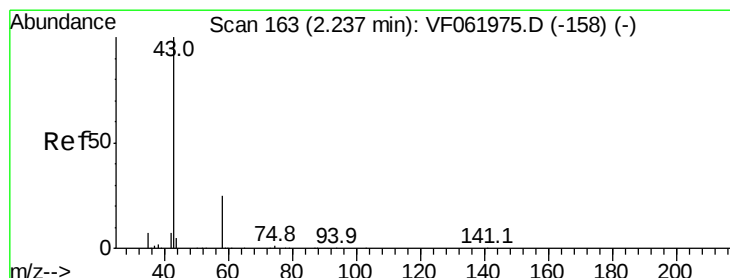
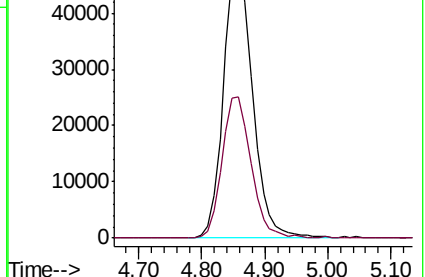
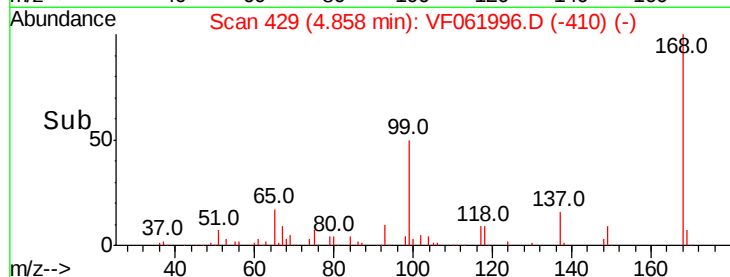


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

Time-->



#16

Acetone

Concen: 73.590 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061996.D

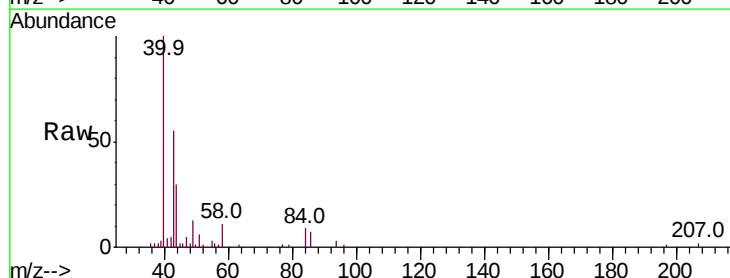
Acq: 18 Mar 2019 14:37

Tgt Ion: 43 Resp: 18626

Ion Ratio Lower Upper

43 100

58 20.9 19.9 29.9

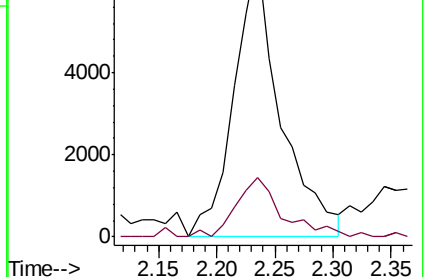
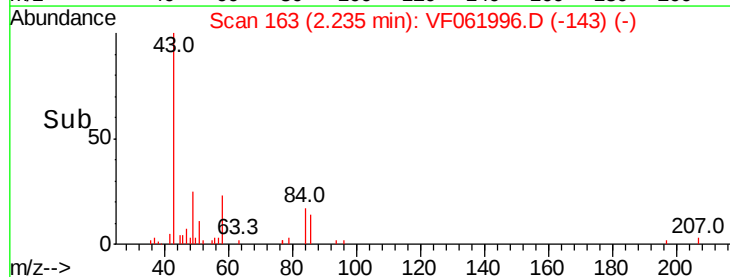


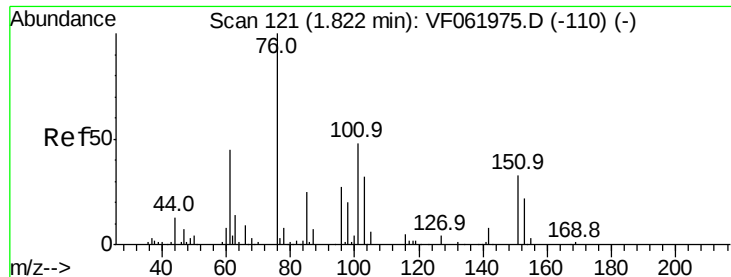
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.24

Time-->





#17

Carbon Disulfide

Concen: 3.843 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF061996.D

Acq: 18 Mar 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

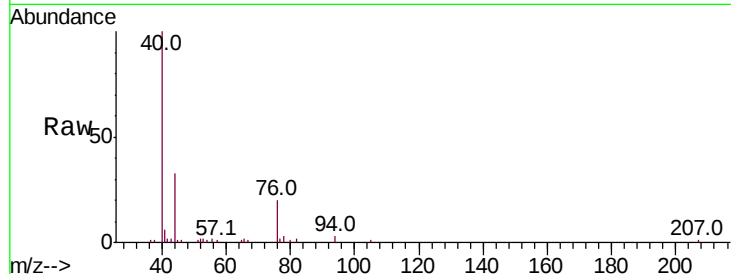
SUMP-MUCKRE

Tot Ion: 76 Resp: 14689

Ion Ratio Lower Upper

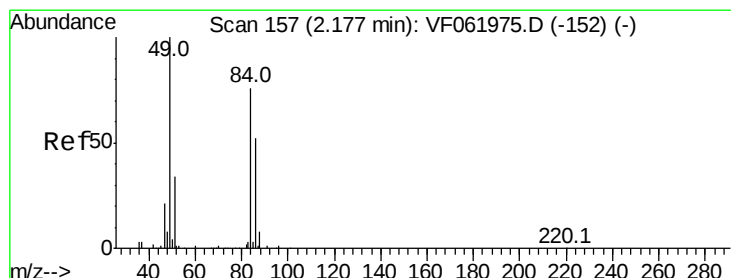
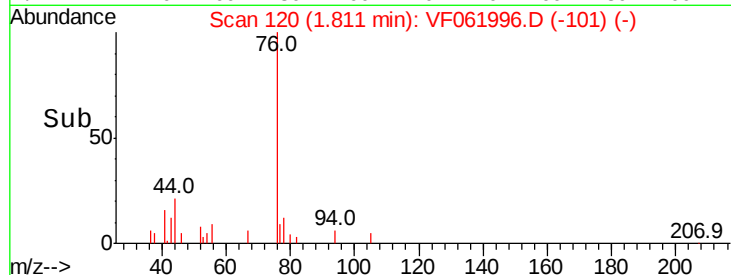
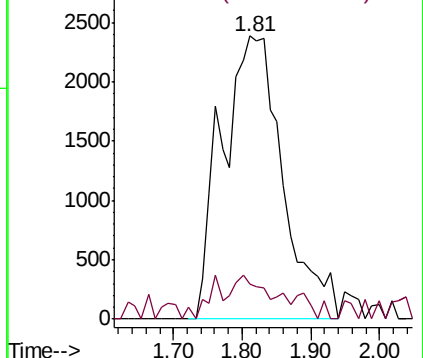
76 100

78 12.3 6.8 10.2#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#20

Methylene Chloride

Concen: 8.239 ug/l m

RT: 2.17 min Scan# 156

Delta R.T. -0.01 min

Lab File: VF061996.D

Acq: 18 Mar 2019 14:37

Tgt Ion: 84 Resp: 10736

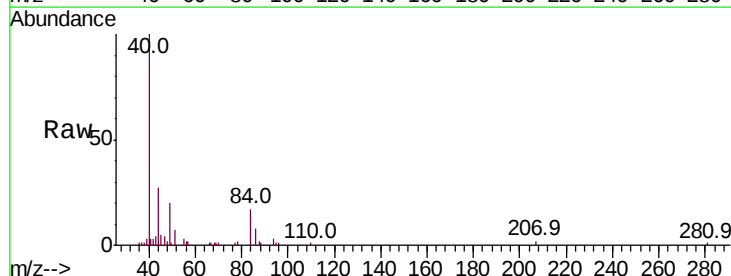
Ion Ratio Lower Upper

84 100

49 118.9 107.0 160.6

51 42.4 37.2 55.8

86 44.4 55.3 82.9#

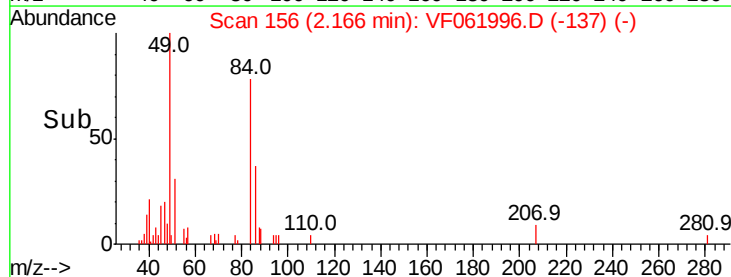
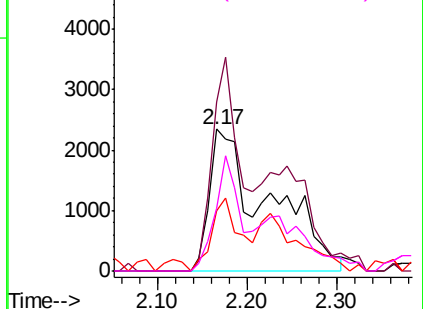


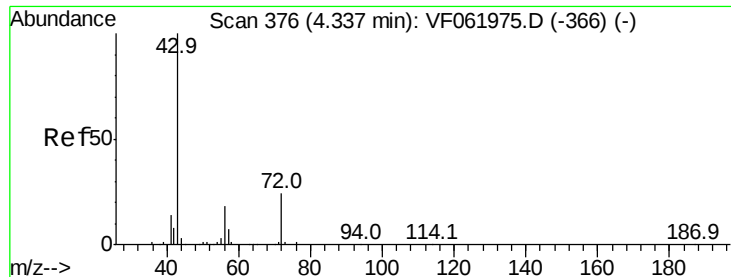
Abundance Ion 84.00 (83.70 to 84.70): VF0

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





#25

2-Butanone

Concen: 11.311 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061996.D

Acq: 18 Mar 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

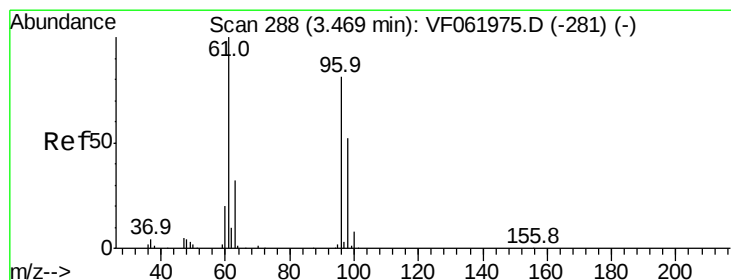
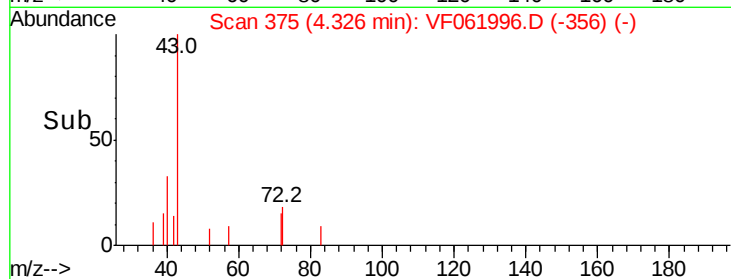
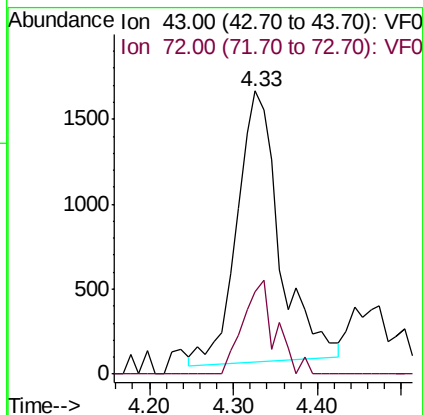
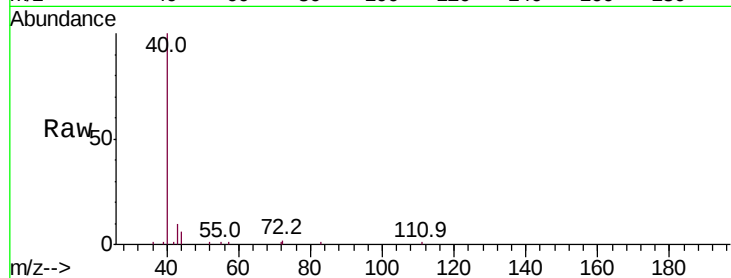
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Tot Ion: 43 Resp: 5670

Ion Ratio Lower Upper

43 100

72 29.2 19.8 29.6



#27

cis-1,2-Dichloroethene

Concen: 16.030 ug/l

RT: 3.47 min Scan# 288

Delta R.T. -0.00 min

Lab File: VF061996.D

Acq: 18 Mar 2019 14:37

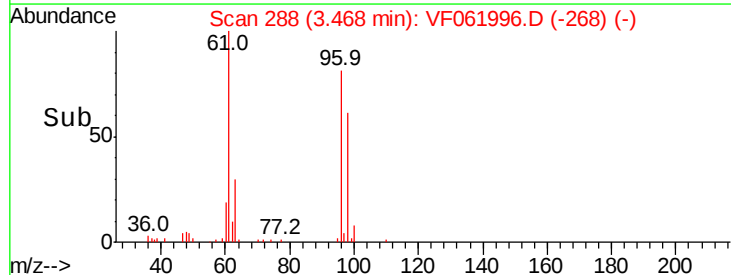
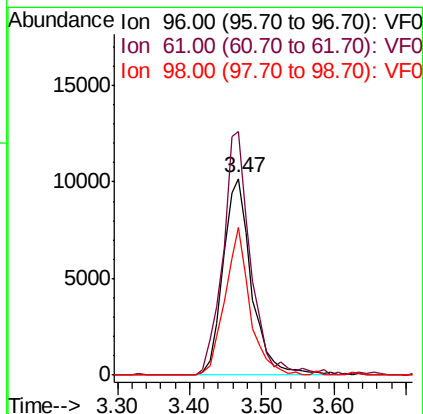
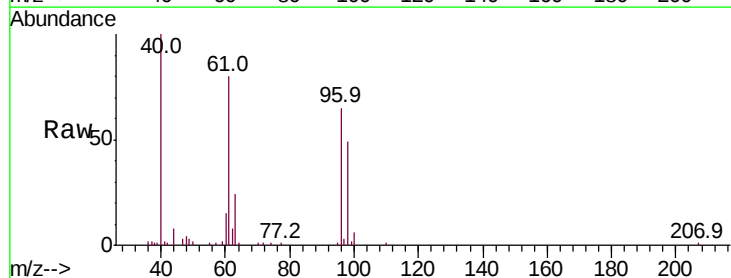
Tgt Ion: 96 Resp: 27865

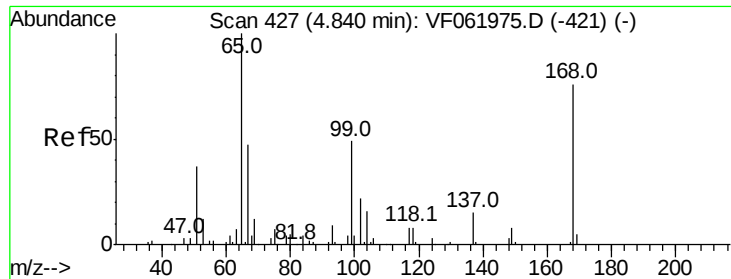
Ion Ratio Lower Upper

96 100

61 123.7 0.0 246.6

98 75.2 0.0 129.2

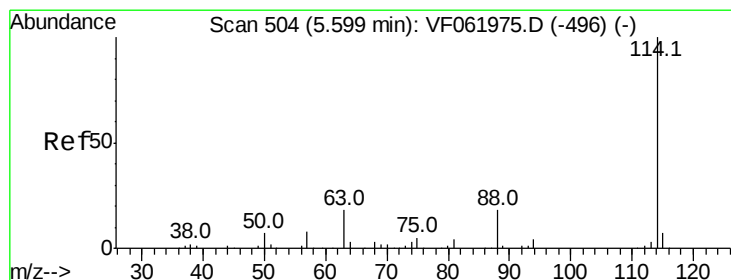
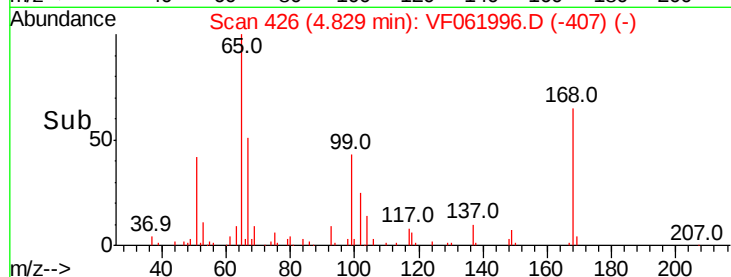
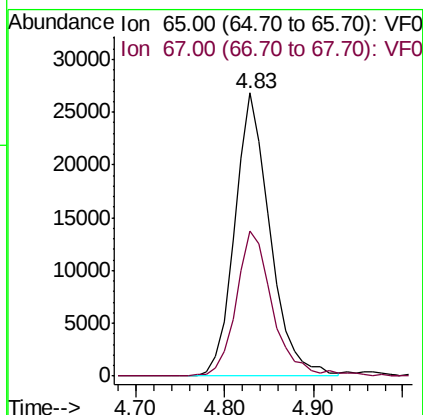
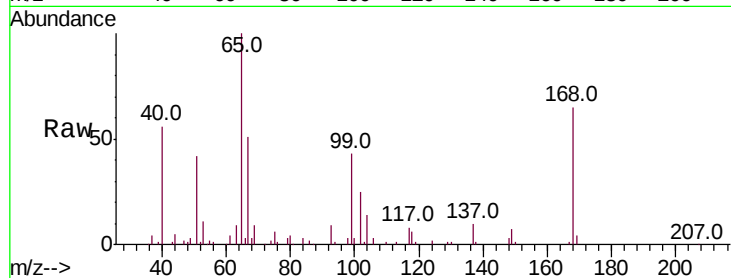




#33
 1,2-Dichloroethane-d4
 Concen: 65.394 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: VF061996.D
 Acq: 18 Mar 2019 14:37

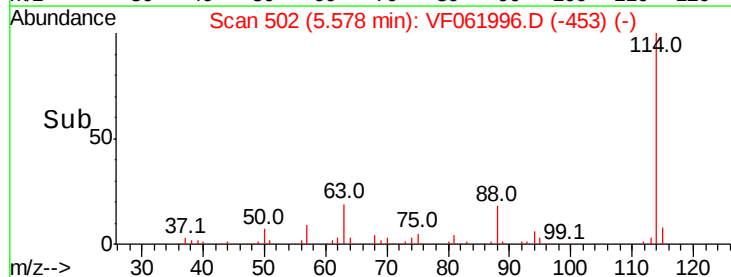
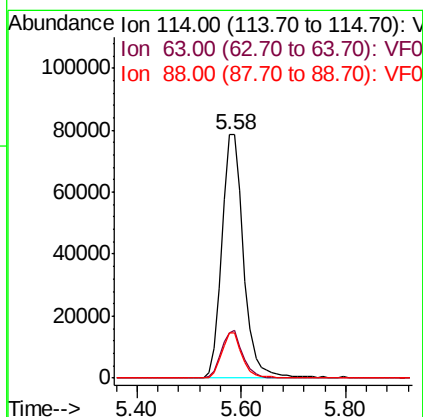
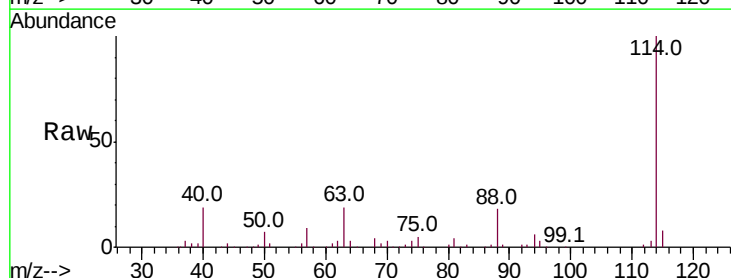
Instrument :
 MSVOA_F
 ClientSampleId :
 SUMP-MUCKRE

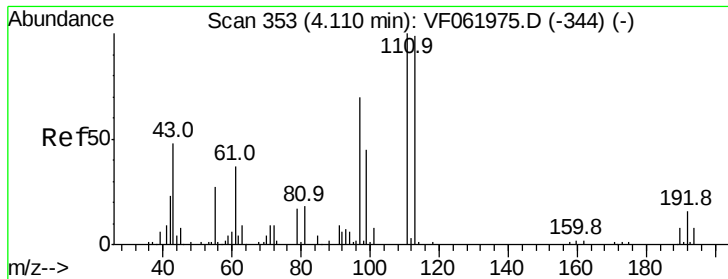
Tot Ion: 65 Resp: 73709
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: VF061996.D
 Acq: 18 Mar 2019 14:37

Tgt Ion: 114 Resp: 227931
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 36.4
 88 18.3 0.0 36.4

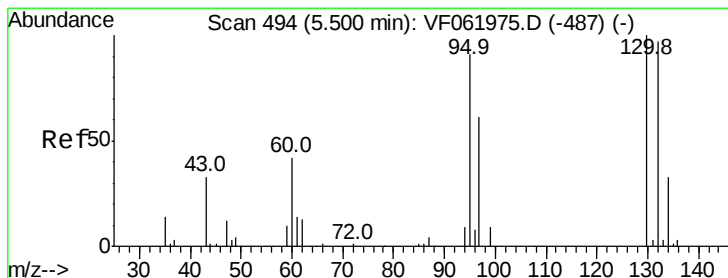
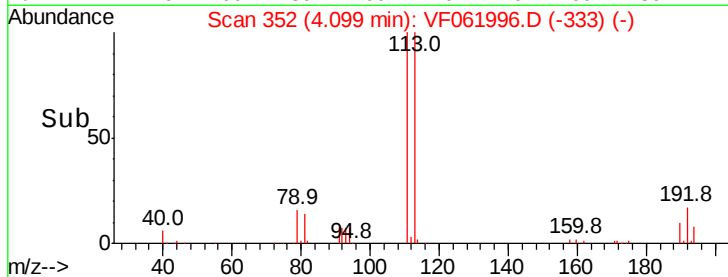
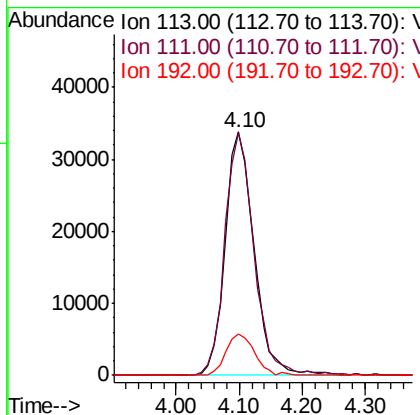
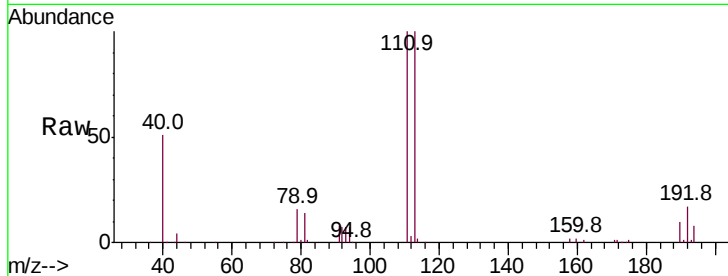




#35
 Dibromofluoromethane
 Concen: 69.993 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VF061996.D
 Acq: 18 Mar 2019 14:37

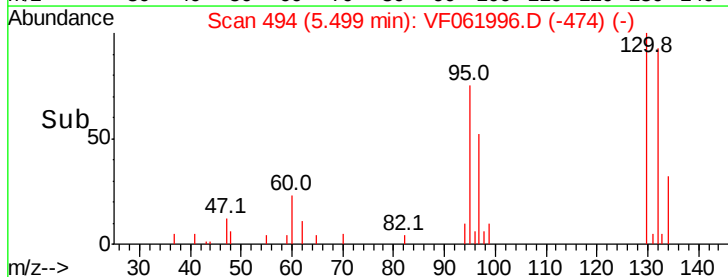
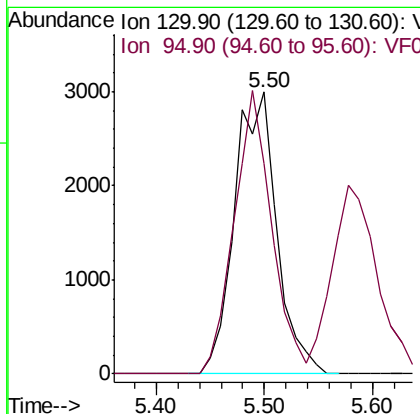
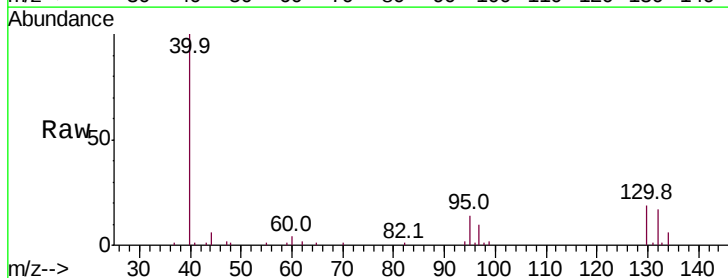
Instrument :
 MSVOA_F
 ClientSampleId :
 SUMP-MUCKRE

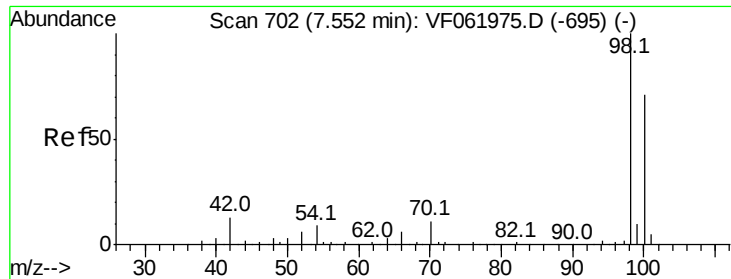
Tot Ion:113 Resp: 107131
 Ion Ratio Lower Upper
 113 100
 111 99.6 80.8 121.2
 192 17.2 13.0 19.6



#44
 Trichloroethene
 Concen: 4.858 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VF061996.D
 Acq: 18 Mar 2019 14:37

Tgt Ion:130 Resp: 8117
 Ion Ratio Lower Upper
 130 100
 95 74.7 0.0 181.4

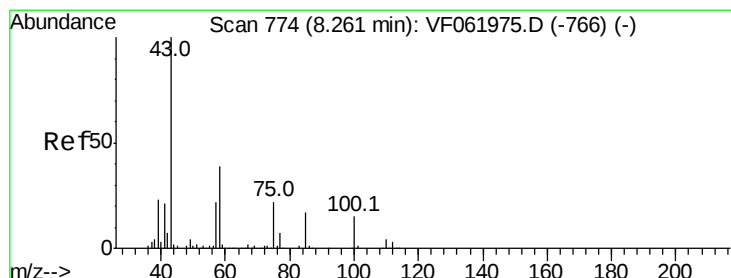
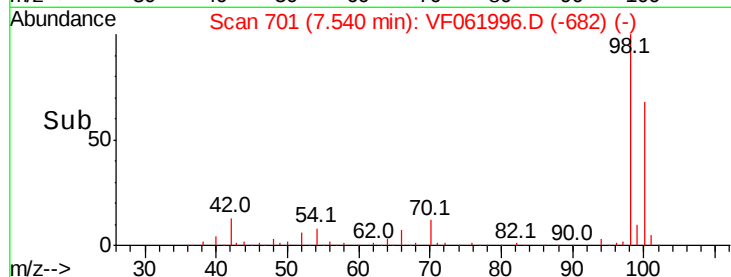
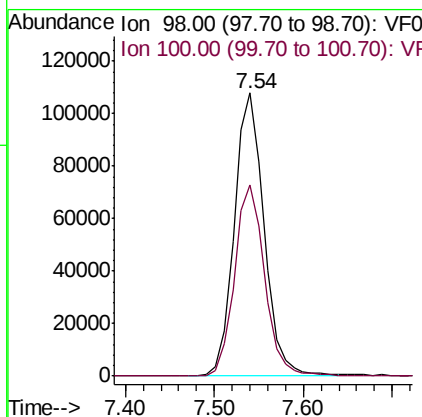
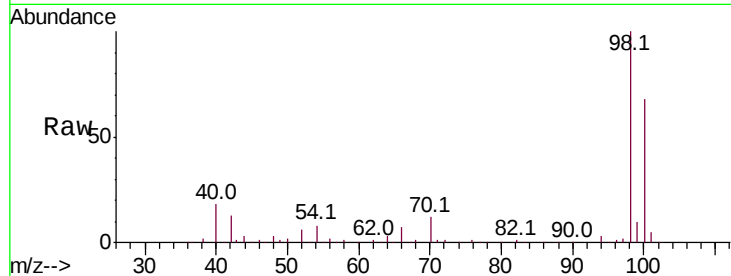




#50
Toluene-d8
Concen: 56.071 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF061996.D
Acq: 18 Mar 2019 14:37

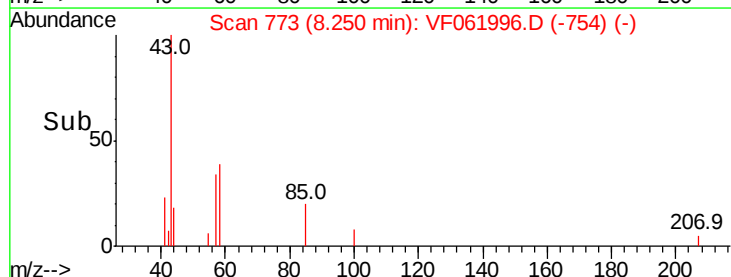
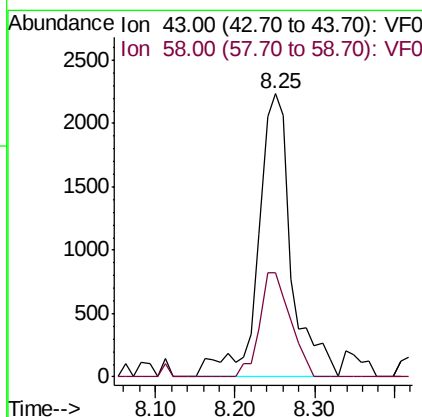
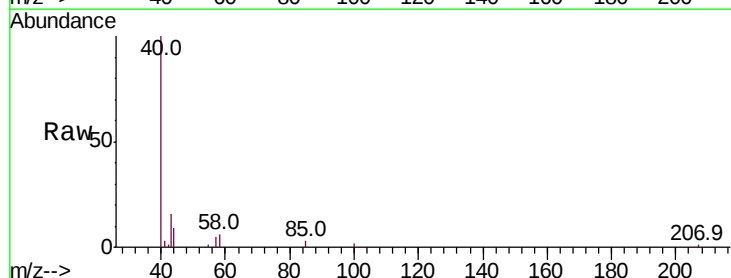
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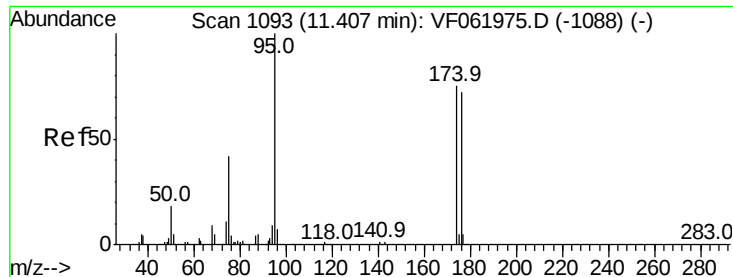
Tot Ion: 98 Resp: 250884
Ion Ratio Lower Upper
98 100
100 67.6 56.8 85.2



#51
4-Methyl-2-Pentanone
Concen: 8.264 ug/l
RT: 8.25 min Scan# 773
Delta R.T. -0.01 min
Lab File: VF061996.D
Acq: 18 Mar 2019 14:37

Tgt Ion: 43 Resp: 6417
Ion Ratio Lower Upper
43 100
58 36.8 31.1 46.7





#62

4-Bromofluorobenzene

Concen: 42.060 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061996.D

Acq: 18 Mar 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

SUMP-MUCKRE

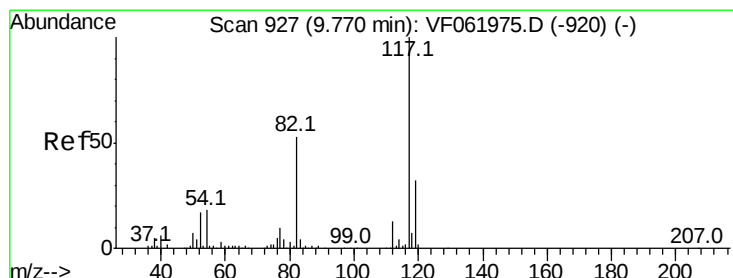
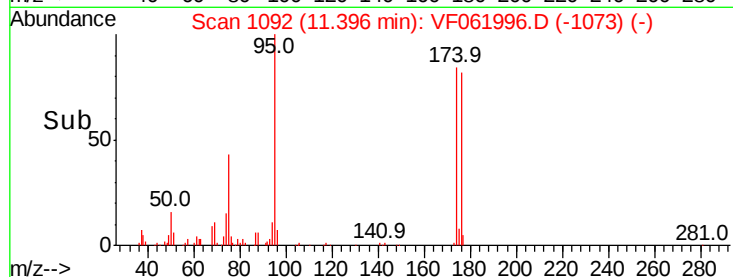
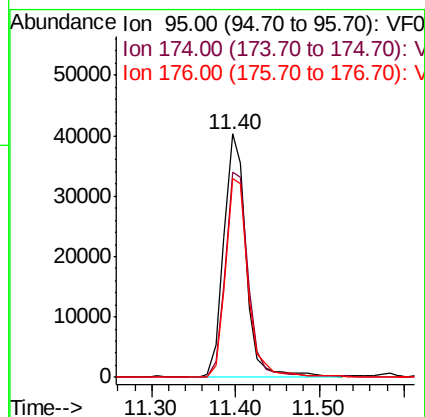
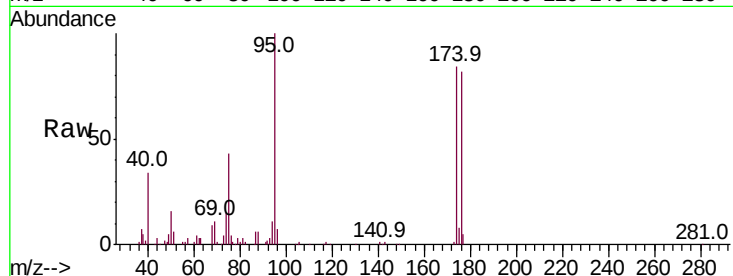
Tot Ion: 95 Resp: 74762

Ion Ratio Lower Upper

95 100

174 84.2 0.0 149.4

176 81.9 0.0 143.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.01 min

Lab File: VF061996.D

Acq: 18 Mar 2019 14:37

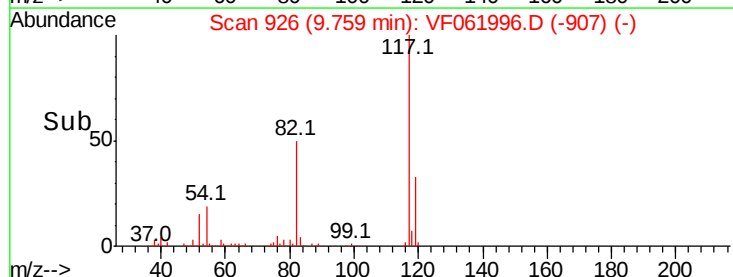
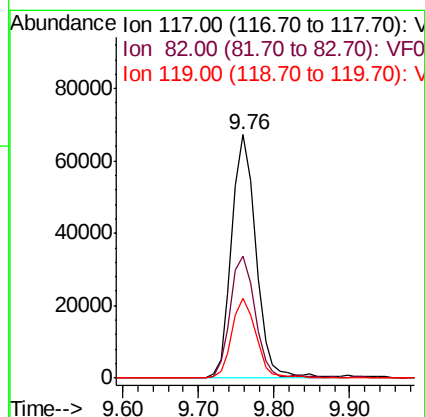
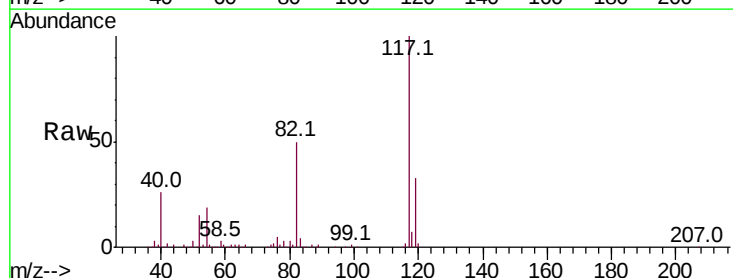
Tgt Ion: 117 Resp: 150570

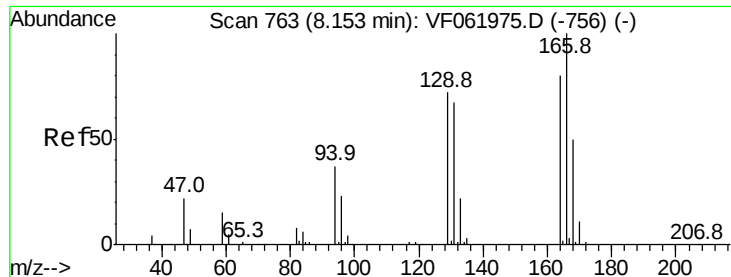
Ion Ratio Lower Upper

117 100

82 50.2 42.5 63.7

119 32.9 25.4 38.0





#64

Tetrachloroethene

Concen: 17.112 ug/l

RT: 8.14 min Scan# 762

Delta R.T. -0.01 min

Lab File: VF061996.D

Acq: 18 Mar 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

SUMP-MUCKRE

Tot Ion:164 Resp: 18729

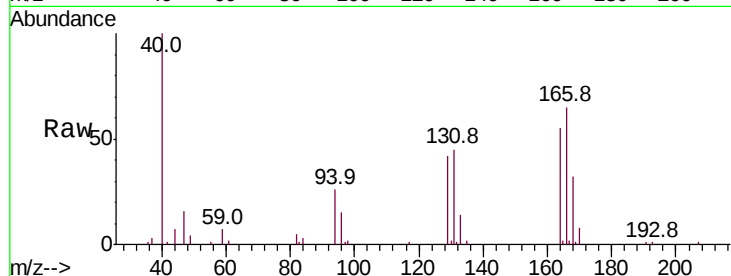
Ion Ratio Lower Upper

164 100

166 118.7 100.0 150.0

129 76.2 72.4 108.6

131 82.5 67.1 100.7

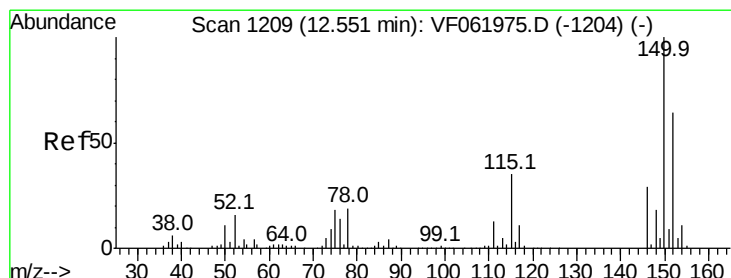
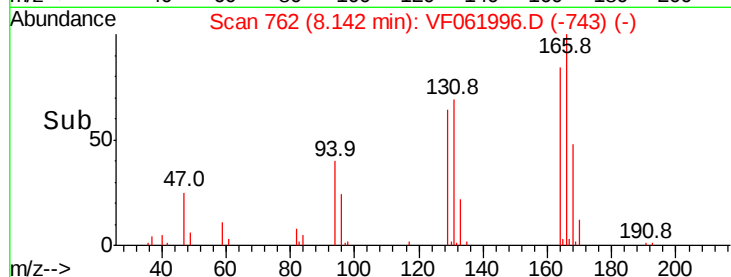
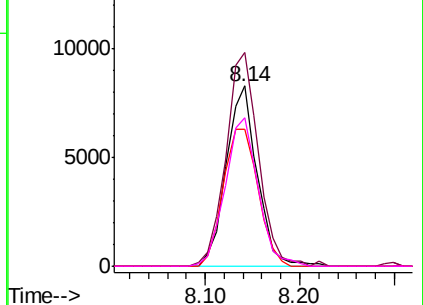


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061996.D

Acq: 18 Mar 2019 14:37

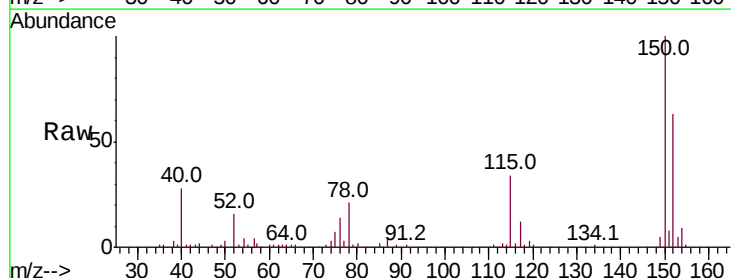
Tgt Ion:152 Resp: 51665

Ion Ratio Lower Upper

152 100

115 53.9 27.3 81.9

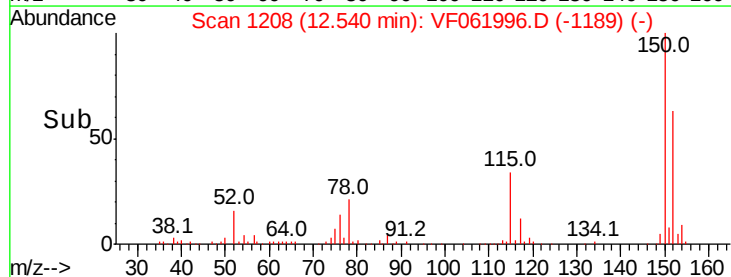
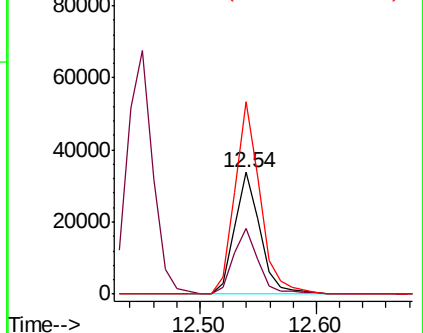
150 157.6 0.0 316.2

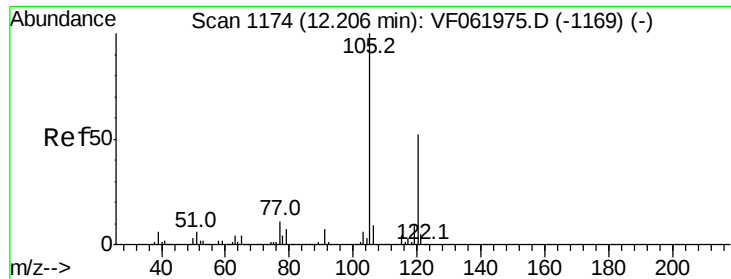


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#84

1,2,4-Trimethylbenzene

Concen: 5.418 ug/l

RT: 12.18 min Scan# 1172

Delta R.T. -0.02 min

Lab File: VF061996.D

Acq: 18 Mar 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

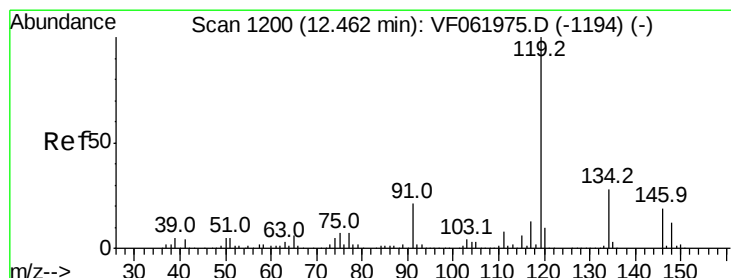
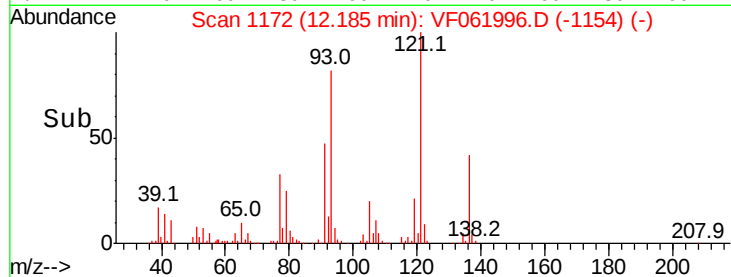
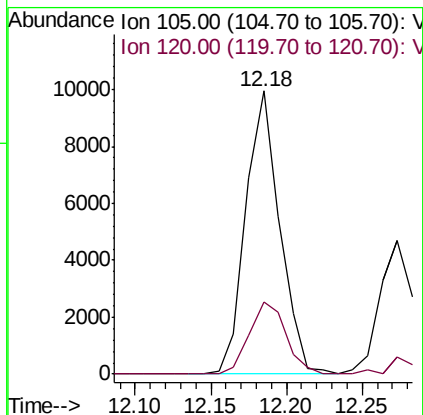
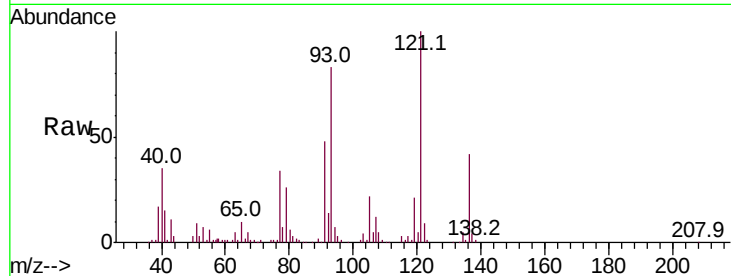
SUMP-MUCKRE

Tot Ion:105 Resp: 15647

Ion Ratio Lower Upper

105 100

120 25.5 25.9 77.8#



#86

p-Isopropyltoluene

Concen: 445.930 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061996.D

Acq: 18 Mar 2019 14:37

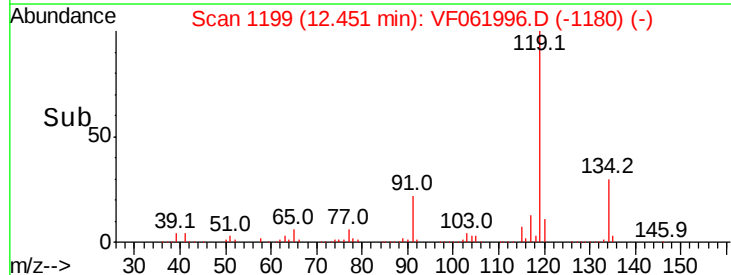
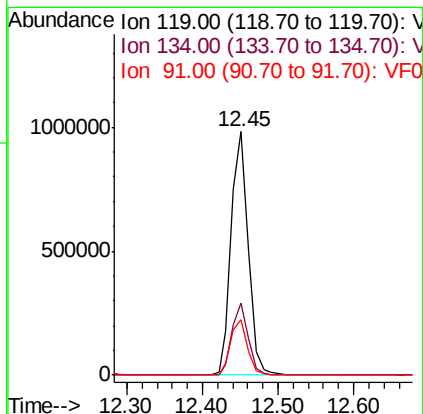
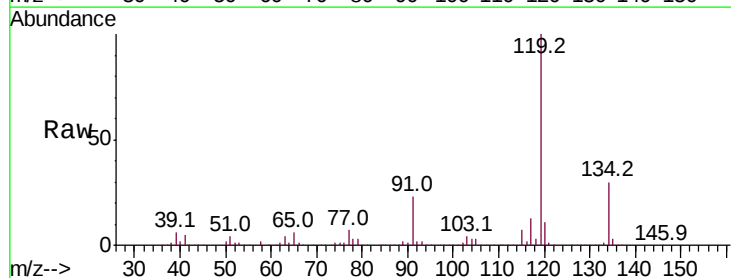
Tgt Ion:119 Resp: 1515933

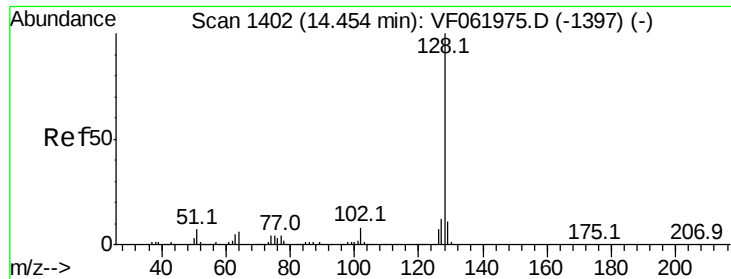
Ion Ratio Lower Upper

119 100

134 29.6 13.9 41.7

91 22.8 10.4 31.1

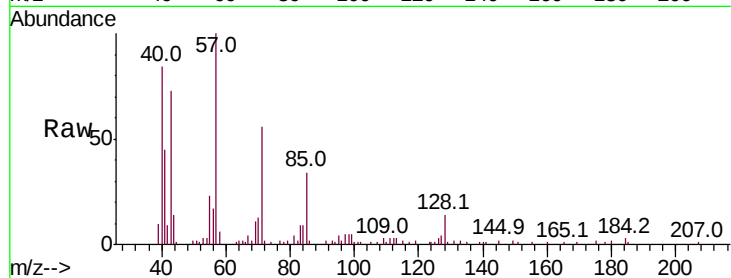




#95
Naphthalene
Concen: 1.651 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF061996.D
Acq: 18 Mar 2019 14:37

Instrument :
MSVOA_F
ClientSampleId :
SUMP-MUCKRE

Tot Ion:128 Resp: 3111
Ion Ratio Lower Upper
128 100
127 24.9 9.3 13.9#
129 10.2 9.1 13.7



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

