

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022819\
 Data File : VF061796.D
 Acq On : 28 Feb 2019 19:19
 Operator : VA/AP
 Sample : K1654-01
 Misc : 5.33g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SOIL-PILE

Quant Time: Mar 01 00:20:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	297573	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	459843	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	372958	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	189469	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	96481	44.21	ug/l	-0.03
Spiked Amount			Recovery	=	88.42%	
35) Dibromofluoromethane	4.09	113	142931	41.86	ug/l	-0.02
Spiked Amount			Recovery	=	83.72%	
50) Toluene-d8	7.54	98	319886	32.59	ug/l	-0.02
Spiked Amount			Recovery	=	65.18%	
62) 4-Bromofluorobenzene	11.40	95	144563	36.40	ug/l	-0.01
Spiked Amount			Recovery	=	72.80%	

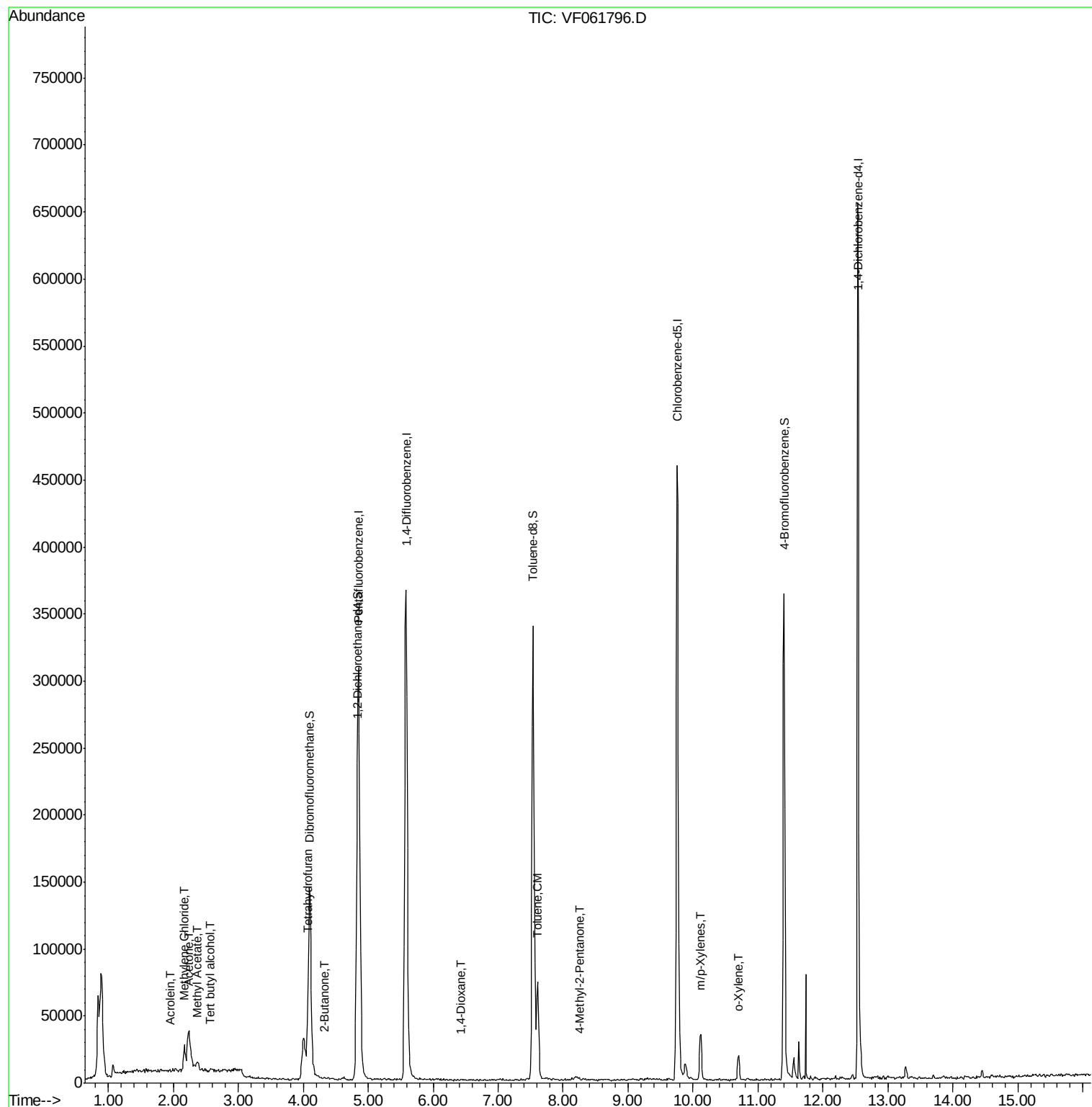
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	211	1.671	ug/l #	63
13) Acrolein	1.95	56	331	2.085	ug/l	92
16) Acetone	2.23	43	29690	63.414	ug/l #	88
18) Methyl Acetate	2.37	43	4650	4.409	ug/l #	59
20) Methylene Chloride	2.18	84	8792	1.036	ug/l	84
25) 2-Butanone	4.34	43	1683	1.646	ug/l #	55
29) Tetrahydrofuran	4.06	42	1471	3.165	ug/l #	75
49) 1,4-Dioxane	6.44	88	70	4.941	ug/l #	20
51) 4-Methyl-2-Pentanone	8.26	43	2089	1.167	ug/l #	80
52) Toluene	7.60	92	42542	5.887	ug/l	90
68) m/p-Xylenes	10.12	106	12737	2.644	ug/l	94
69) o-Xylene	10.70	106	6157	1.198	ug/l	75

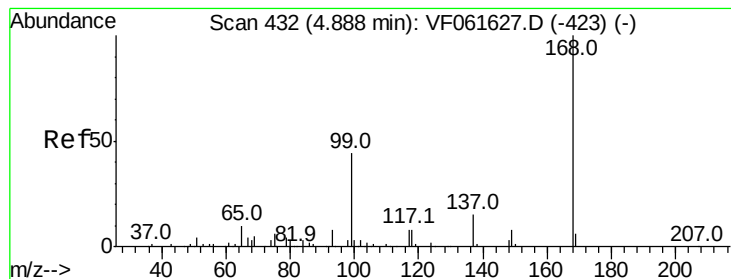
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 01 00:20:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061796.D

Acq: 28 Feb 2019 19:19

Instrument :

MSVOA_F

ClientSampleId :

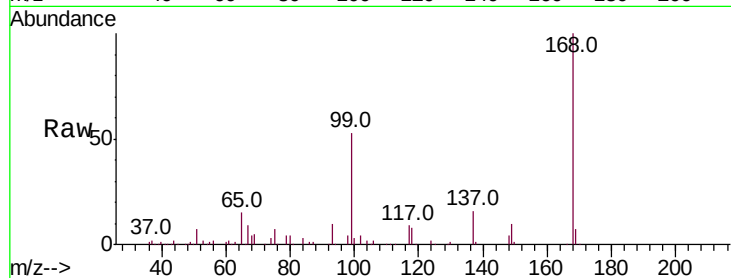
SOIL-PILE

Tot Ion:168 Resp: 297573

Ion Ratio Lower Upper

168 100

99 52.6 34.9 52.3#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

100000

80000

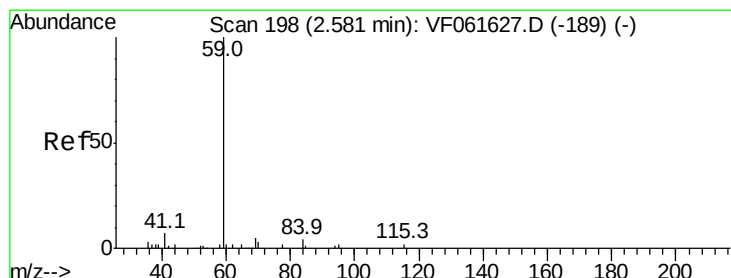
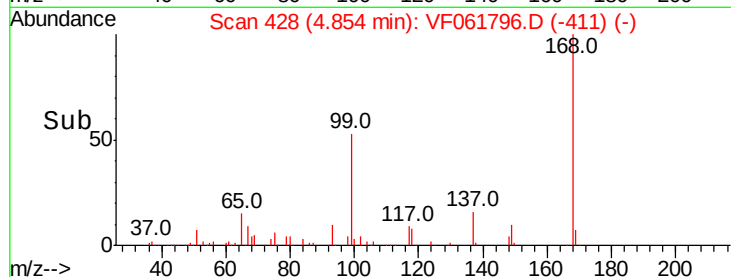
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#11

Tert butyl alcohol

Concen: 1.671 ug/l

RT: 2.56 min Scan# 195

Delta R.T. -0.02 min

Lab File: VF061796.D

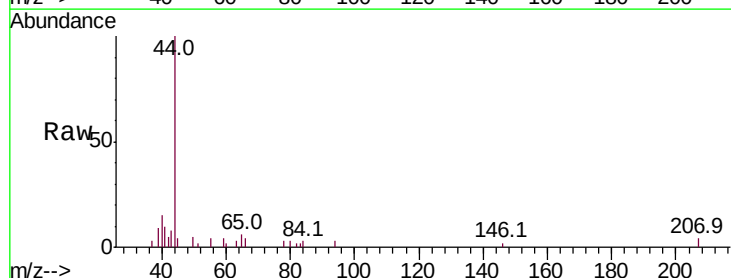
Acq: 28 Feb 2019 19:19

Tgt Ion: 59 Resp: 211

Ion Ratio Lower Upper

59 100

57 0.0 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.56

200

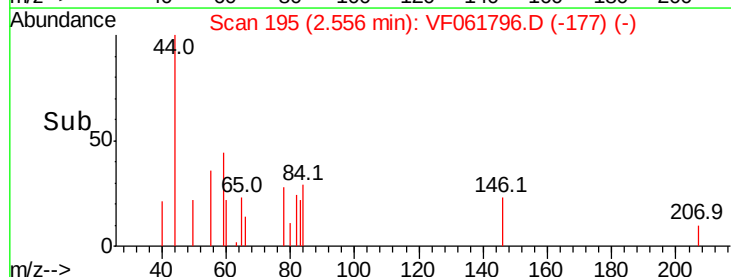
150

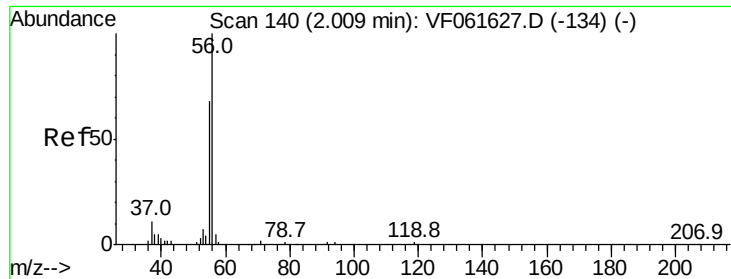
100

50

0

Time--> 2.52 2.54 2.56 2.58 2.60





#13

Acrolein

Concen: 2.085 ug/l

RT: 1.95 min Scan# 134

Delta R.T. -0.05 min

Lab File: VF061796.D

Acq: 28 Feb 2019 19:19

Instrument :

MSVOA_F

ClientSampleId :

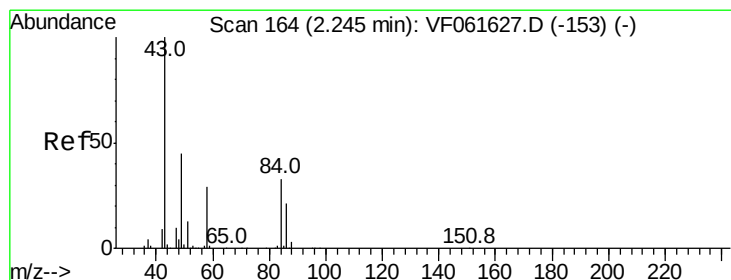
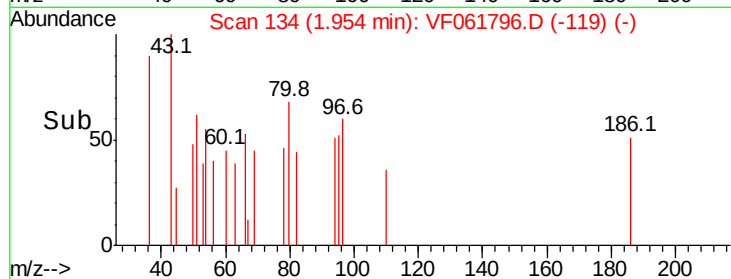
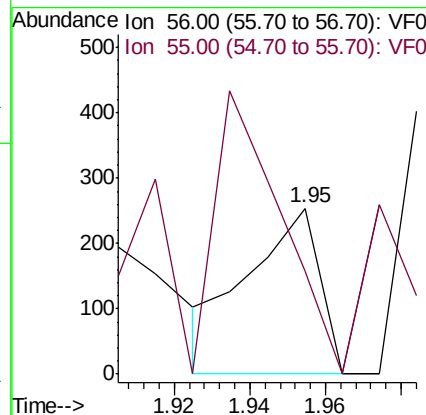
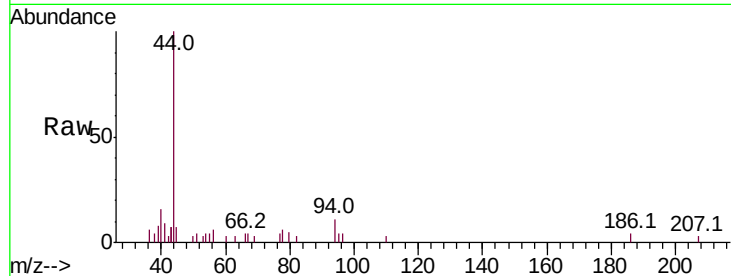
SOIL-PILE

Tot Ion: 56 Resp: 331

Ion Ratio Lower Upper

56 100

55 62.2 55.0 82.6



#16

Acetone

Concen: 63.414 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061796.D

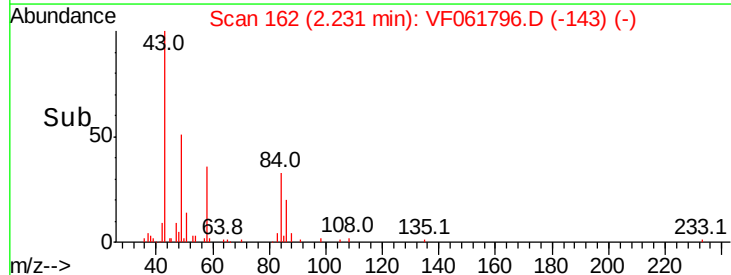
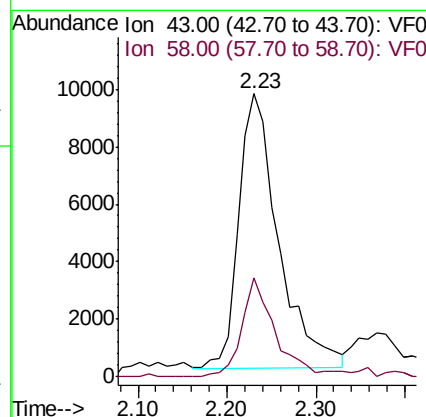
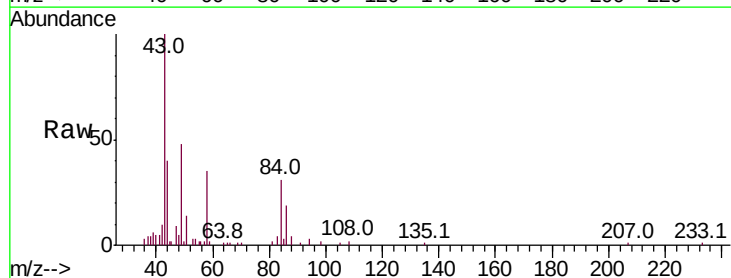
Acq: 28 Feb 2019 19:19

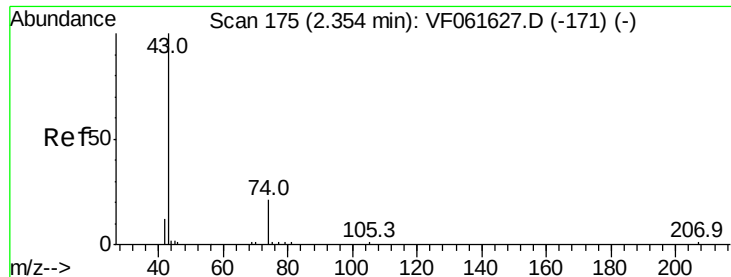
Tgt Ion: 43 Resp: 29690

Ion Ratio Lower Upper

43 100

58 35.0 22.9 34.3#

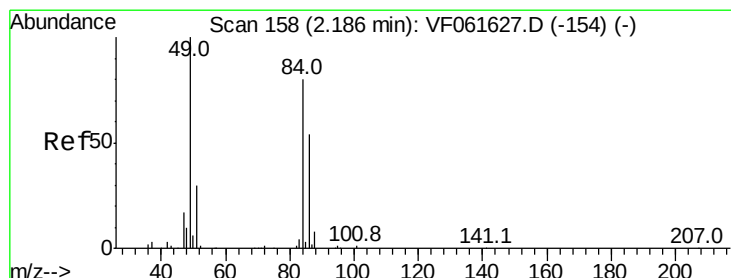
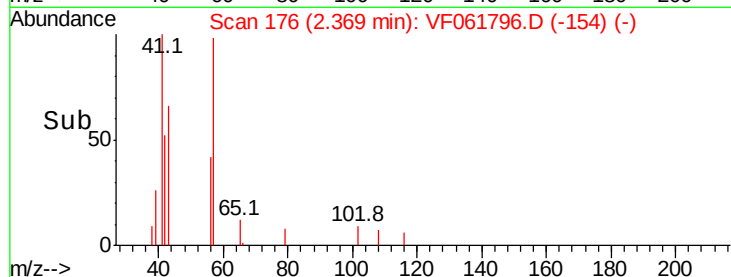
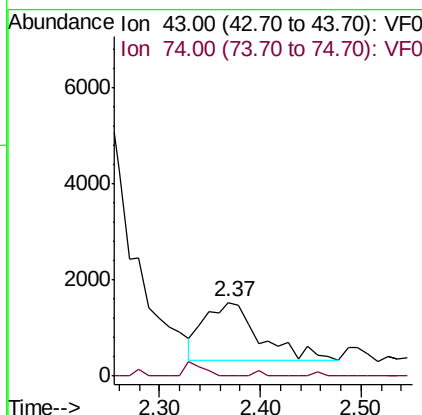
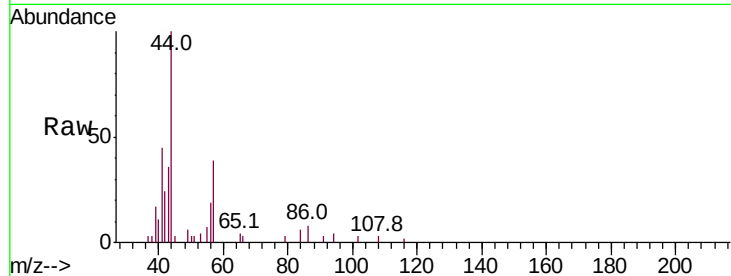




#18
Methvl Acetate
Concen: 4.409 ug/l
RT: 2.37 min Scan# 176
Delta R.T. 0.01 min
Lab File: VF061796.D
Acq: 28 Feb 2019 19:19

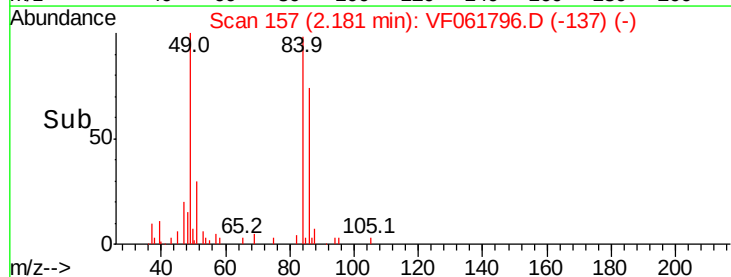
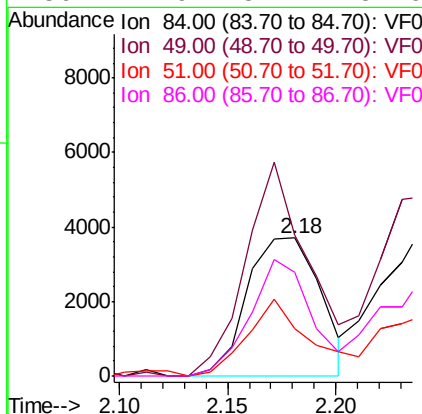
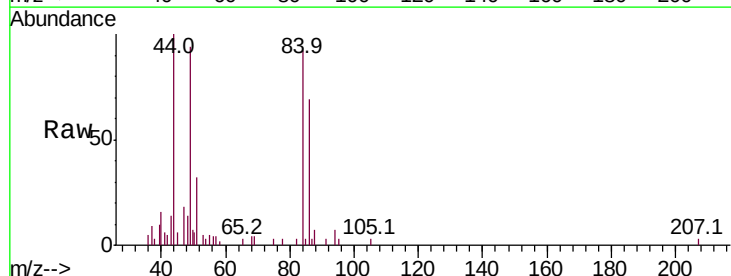
Instrument :
MSVOA_F
ClientSampleId :
SOIL-PILE

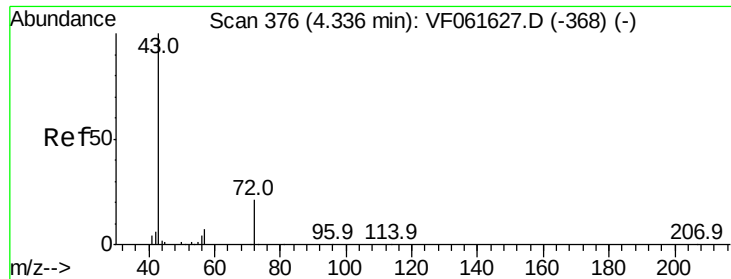
Tot Ion: 43 Resp: 4650
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#20
Methylene Chloride
Concen: 1.036 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF061796.D
Acq: 28 Feb 2019 19:19

Tgt Ion: 84 Resp: 8792
Ion Ratio Lower Upper
84 100
49 101.9 101.8 152.8
51 34.5 31.1 46.7
86 74.9 54.4 81.6





#25

2-Butanone

Concen: 1.646 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF061796.D

Acq: 28 Feb 2019 19:19

Instrument :

MSVOA_F

ClientSampled :

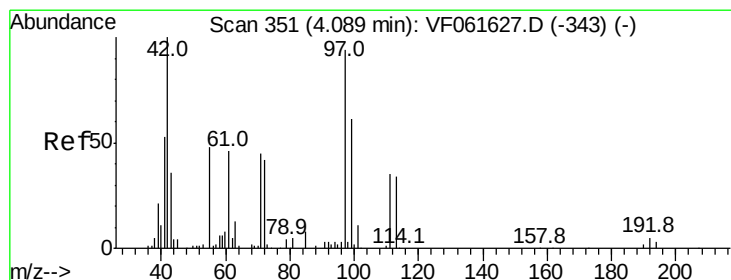
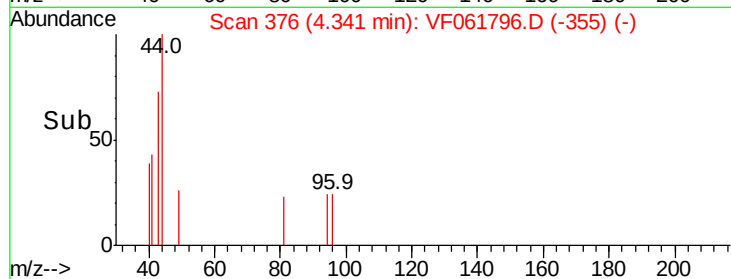
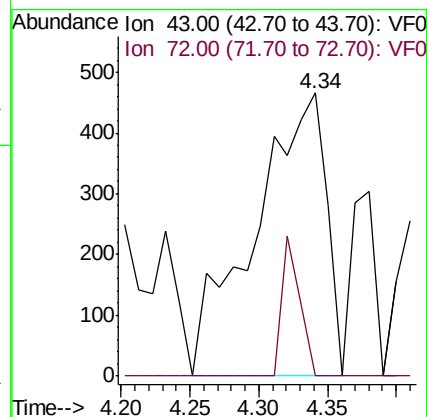
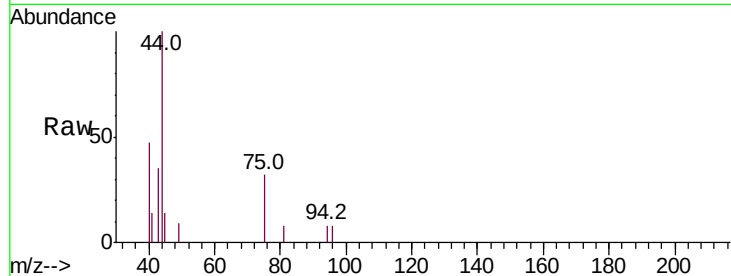
SOIL-PILE

Tot Ion: 43 Resp: 1683

Ion Ratio Lower Upper

43 100

72 0.0 17.1 25.7#



#29

Tetrahydrofuran

Concen: 3.165 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.02 min

Lab File: VF061796.D

Acq: 28 Feb 2019 19:19

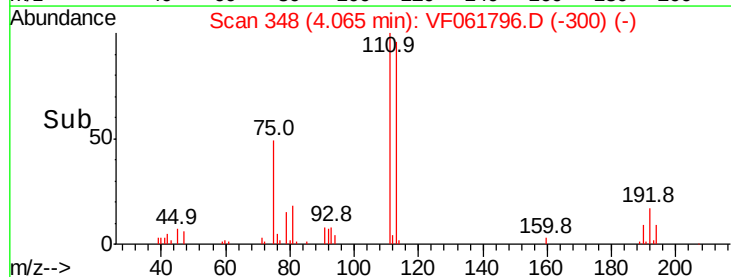
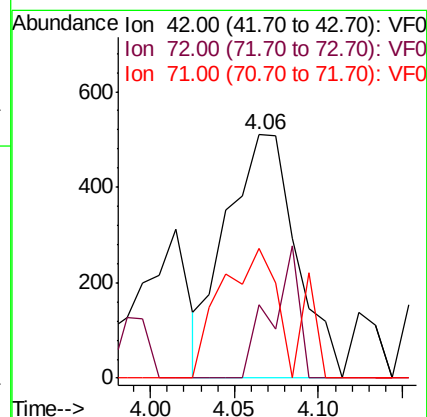
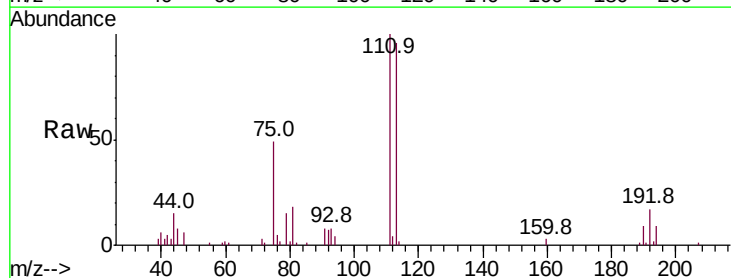
Tgt Ion: 42 Resp: 1471

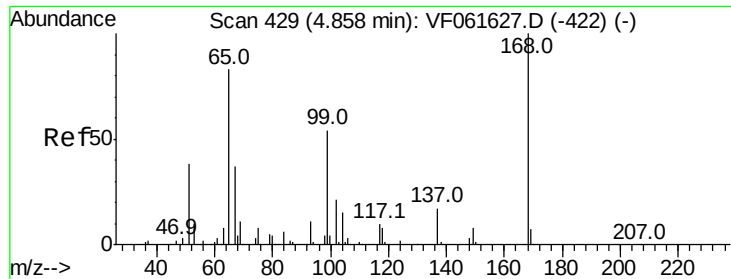
Ion Ratio Lower Upper

42 100

72 21.4 35.2 52.8#

71 50.4 32.9 49.3#

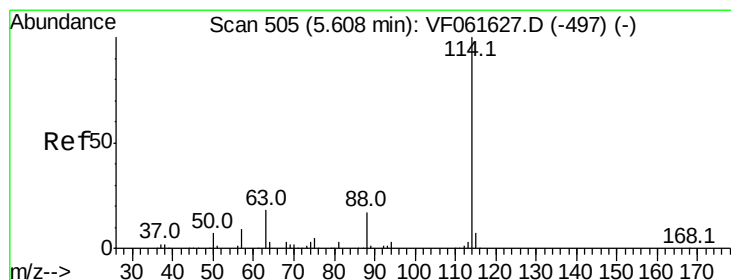
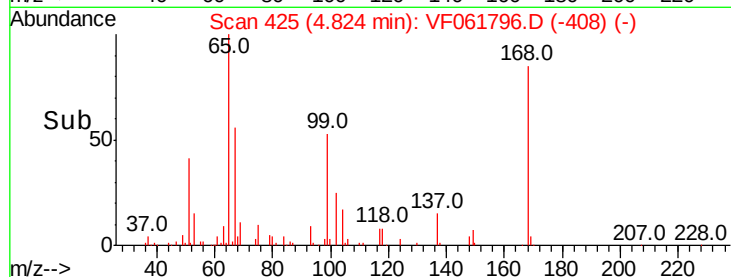
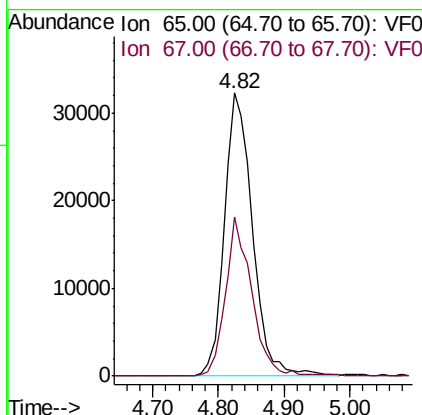
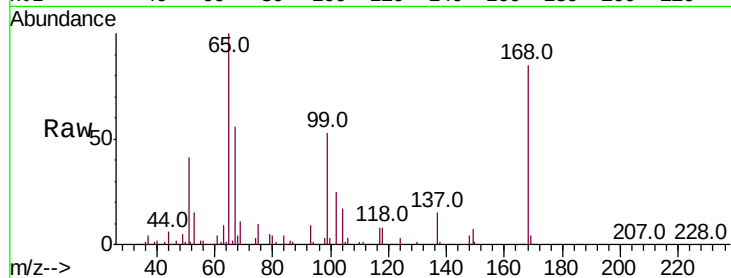




#33
 1,2-Dichloroethane-d4
 Concen: 44.214 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.03 min
 Lab File: VF061796.D
 Acq: 28 Feb 2019 19:19

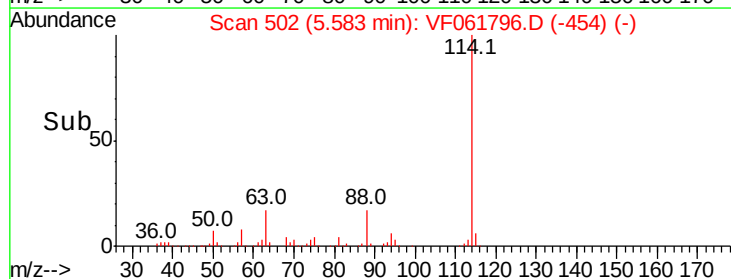
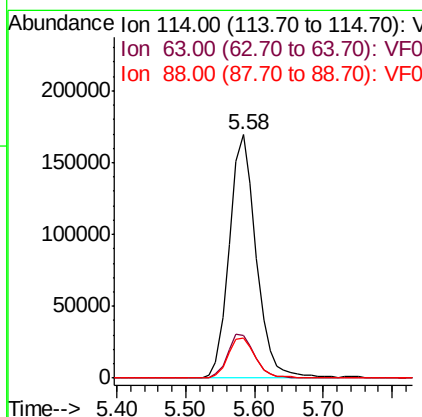
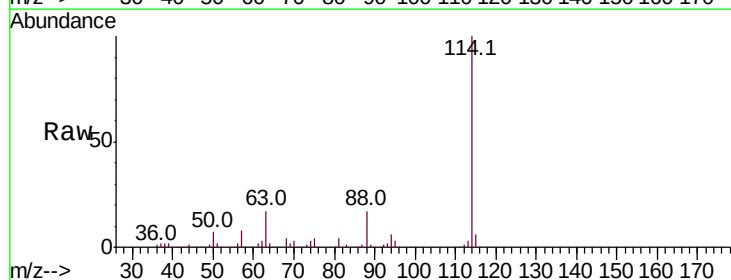
Instrument :
 MSVOA_F
 ClientSampleId :
 SOIL-PILE

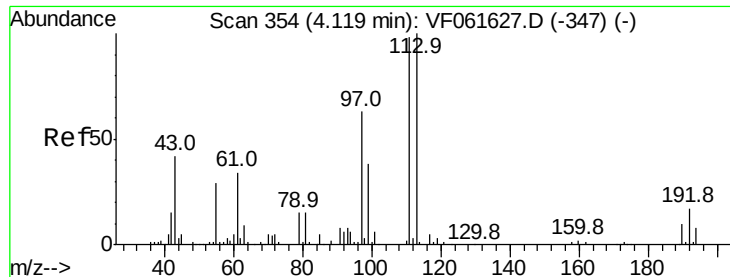
Tot Ion: 65 Resp: 96481
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: VF061796.D
 Acq: 28 Feb 2019 19:19

Tgt Ion: 114 Resp: 459843
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 36.6
 88 16.6 0.0 34.4





#35

Dibromofluoromethane

Concen: 41.856 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061796.D

Acq: 28 Feb 2019 19:19

Instrument :

MSVOA_F

ClientSampleId :

SOIL-PILE

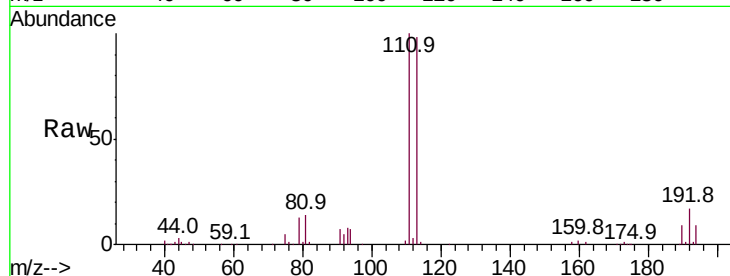
Tot Ion:113 Resp: 142931

Ion Ratio Lower Upper

113 100

111 101.9 78.8 118.2

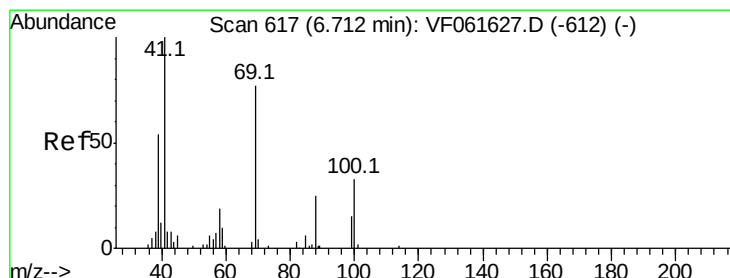
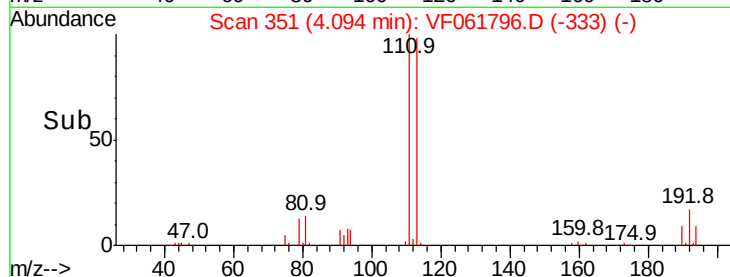
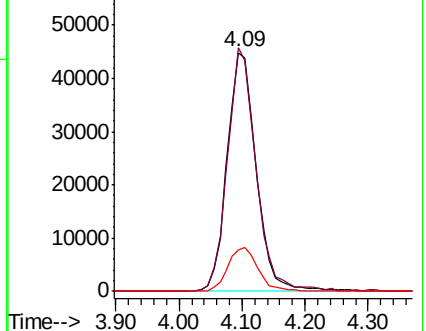
192 17.2 13.4 20.0



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#49

1,4-Dioxane

Concen: 4.941 ug/l

RT: 6.44 min Scan# 589

Delta R.T. -0.27 min

Lab File: VF061796.D

Acq: 28 Feb 2019 19:19

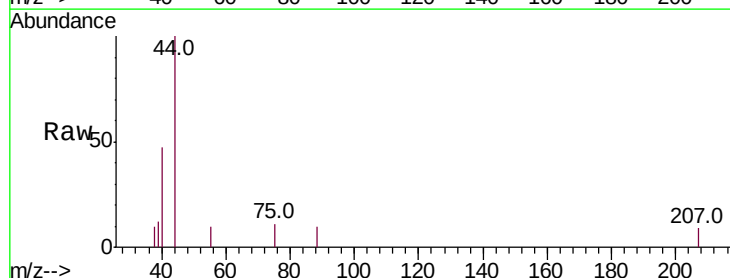
Tgt Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

43 0.0 32.3 48.5#

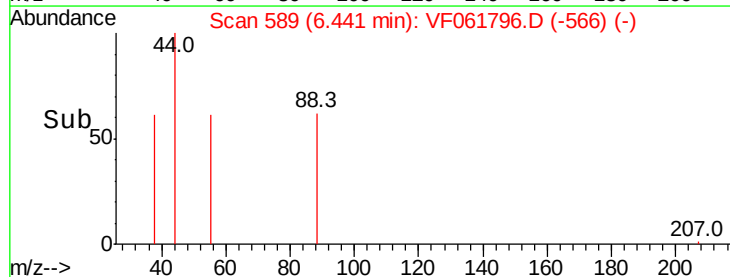
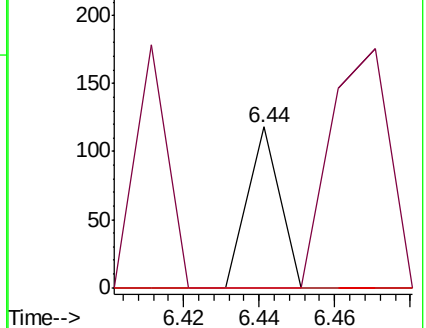
58 0.0 59.4 89.2#

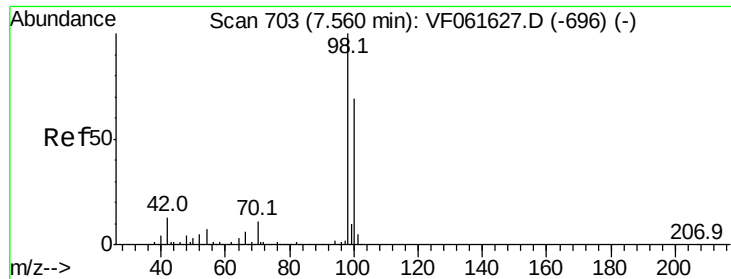


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

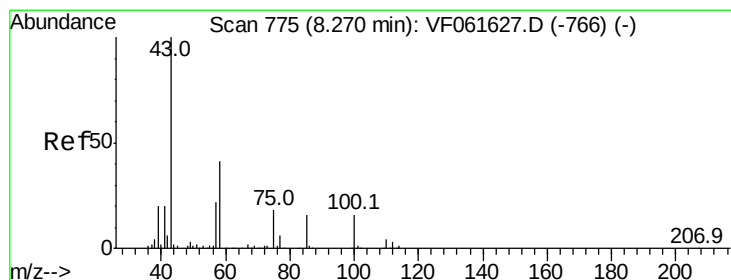
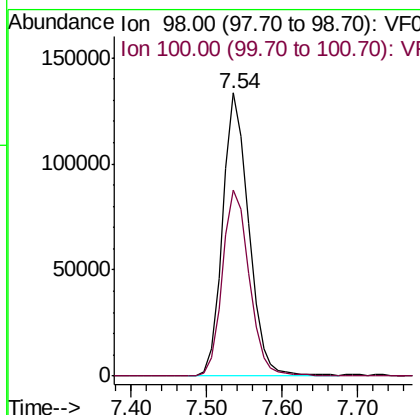
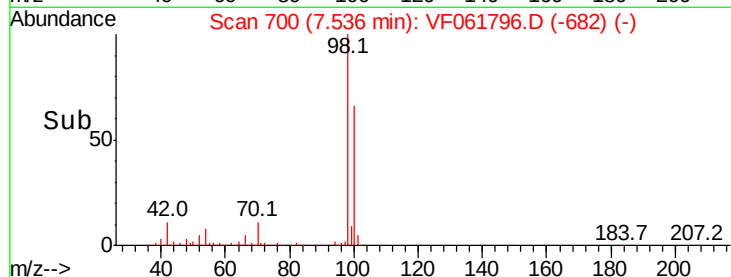
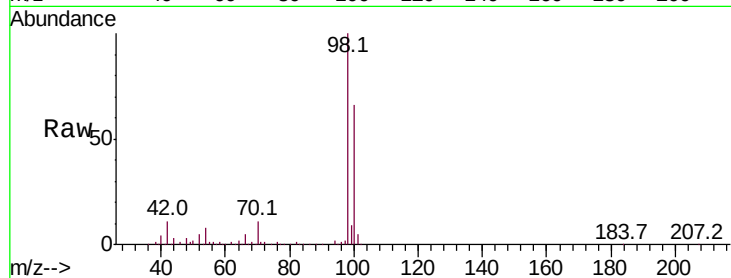




#50
Toluene-d8
Concen: 32.586 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF061796.D
Acq: 28 Feb 2019 19:19

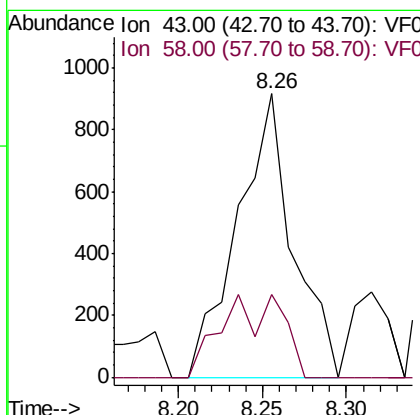
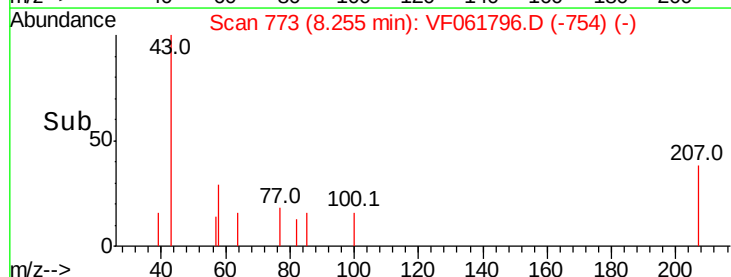
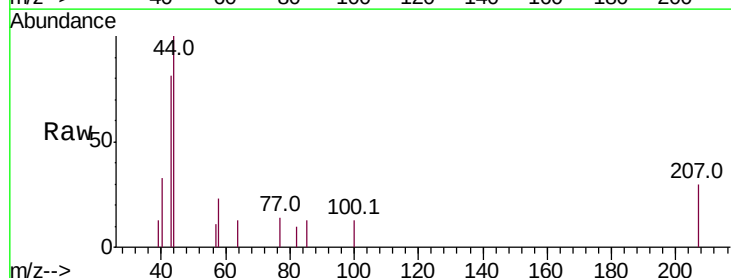
Instrument :
MSVOA_F
ClientSampleId :
SOIL-PILE

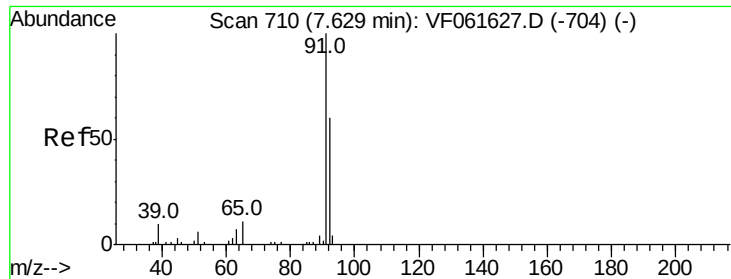
Tot Ion: 98 Resp: 319886
Ion Ratio Lower Upper
98 100
100 65.7 55.4 83.2



#51
4-Methyl-2-Pentanone
Concen: 1.167 ug/l
RT: 8.26 min Scan# 773
Delta R.T. -0.01 min
Lab File: VF061796.D
Acq: 28 Feb 2019 19:19

Tgt Ion: 43 Resp: 2089
Ion Ratio Lower Upper
43 100
58 28.9 33.1 49.7#





#52

Toluene

Concen: 5.887 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.02 min

Lab File: VF061796.D

Acq: 28 Feb 2019 19:19

Instrument :

MSVOA_F

ClientSampleId :

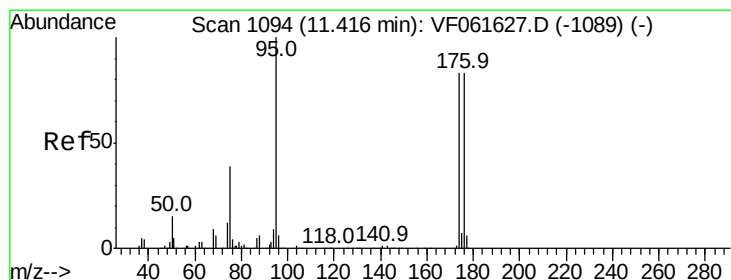
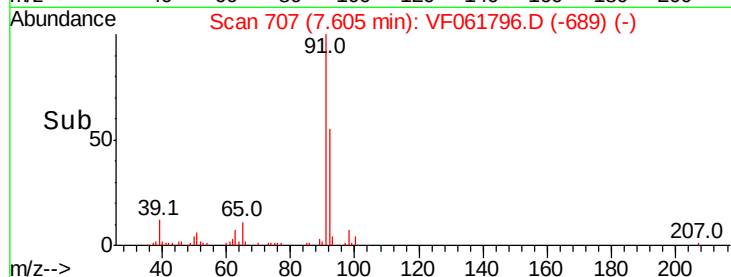
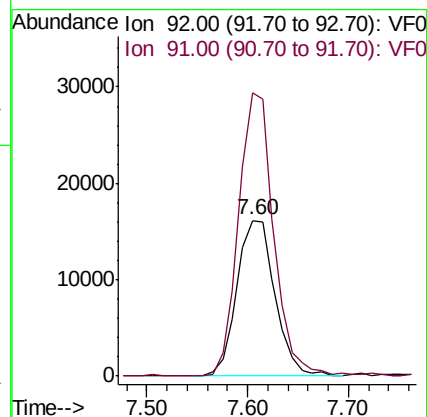
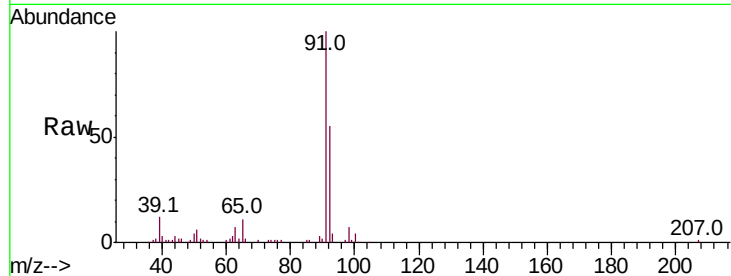
SOIL-PILE

Tot Ion: 92 Resp: 42542

Ion Ratio Lower Upper

92 100

91 181.5 133.9 200.9



#62

4-Bromofluorobenzene

Concen: 36.396 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061796.D

Acq: 28 Feb 2019 19:19

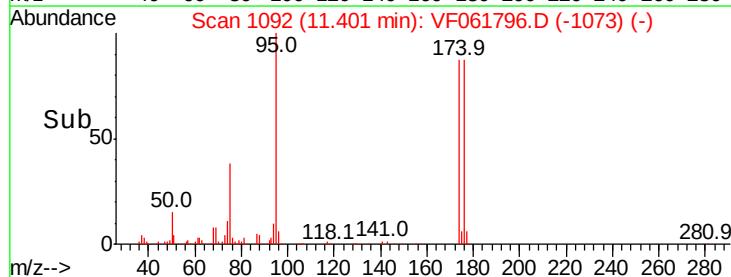
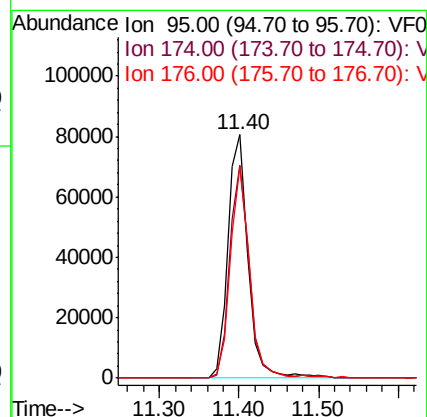
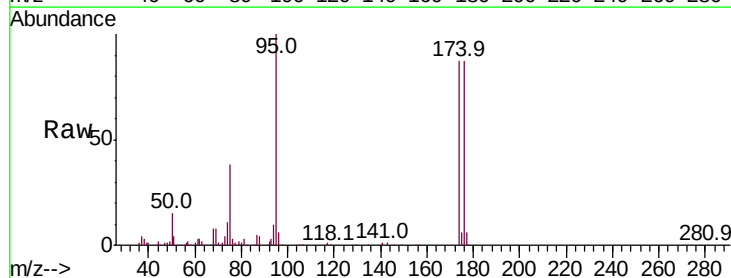
Tgt Ion: 95 Resp: 144563

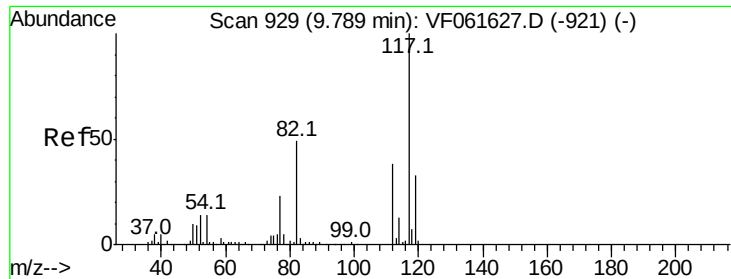
Ion Ratio Lower Upper

95 100

174 87.3 0.0 165.8

176 87.0 0.0 167.0

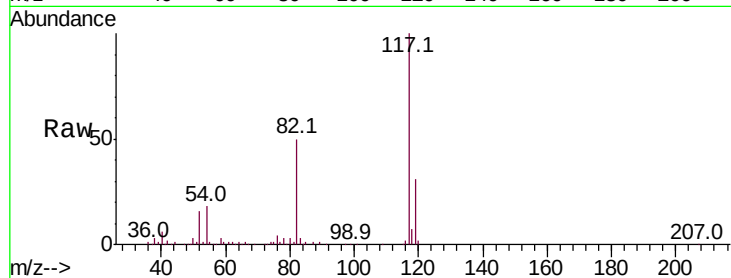




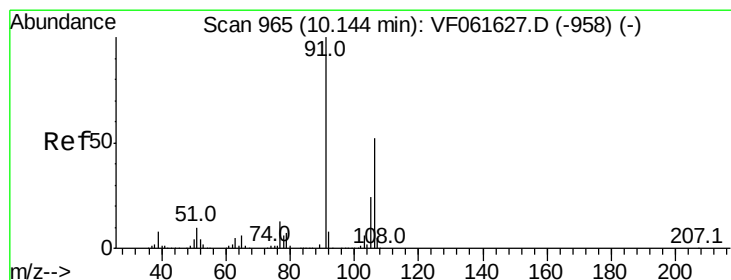
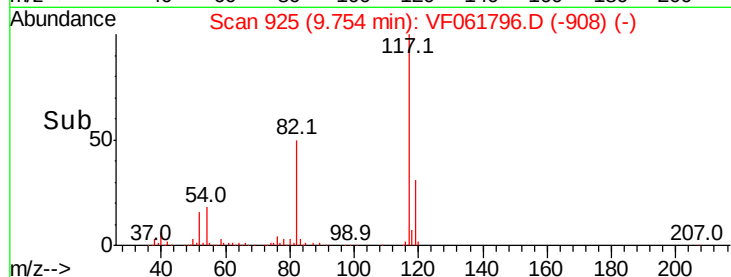
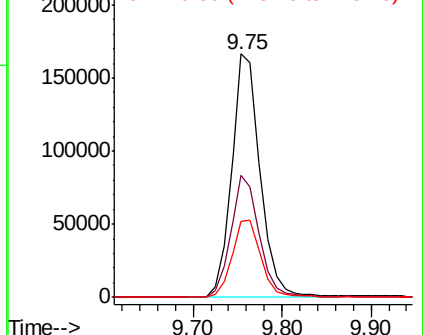
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061796.D
Acq: 28 Feb 2019 19:19

Instrument :
MSVOA_F
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.1	39.3	58.9
119	31.1	26.6	40.0

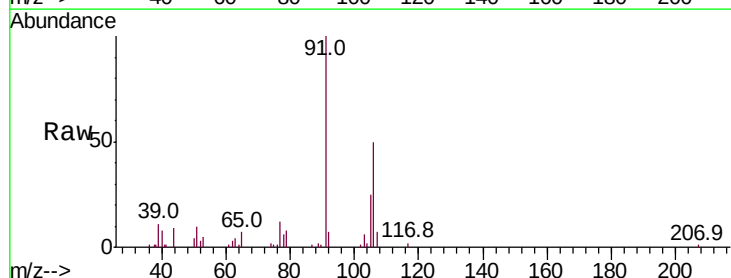


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

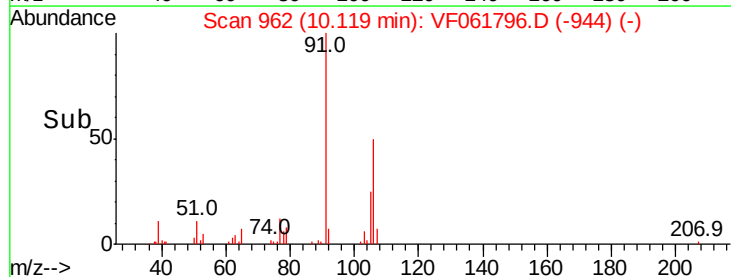
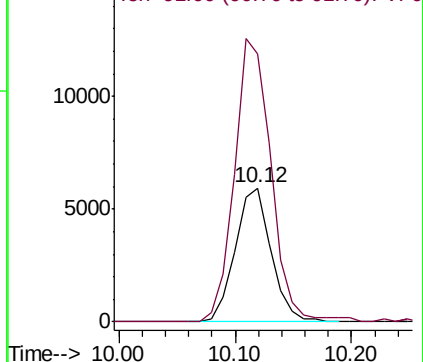


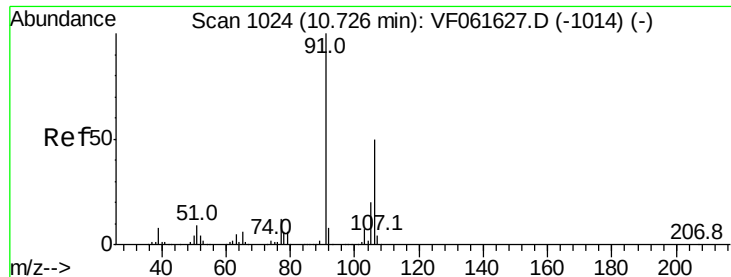
#68
m/p-Xylenes
Concen: 2.644 ug/l
RT: 10.12 min Scan# 962
Delta R.T. -0.02 min
Lab File: VF061796.D
Acq: 28 Feb 2019 19:19

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.7	153.0	229.6



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

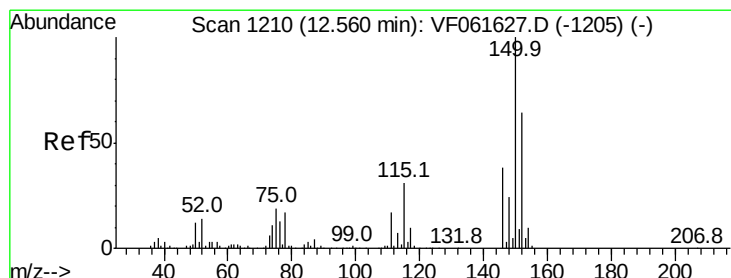
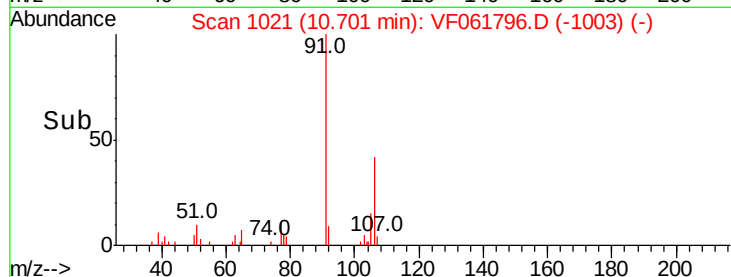
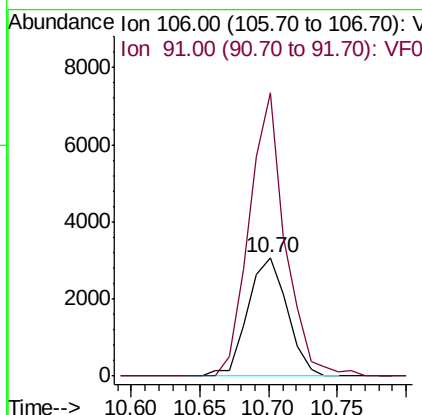
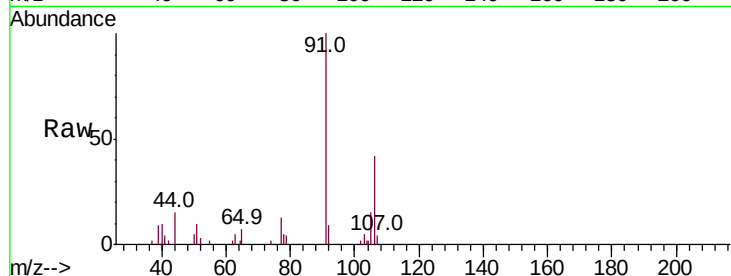




#69
o-Xylene
Concen: 1.198 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF061796.D
Acq: 28 Feb 2019 19:19

Instrument :
MSVOA_F
ClientSampleId :
SOIL-PILE

Tot Ion:106 Resp: 6157
Ion Ratio Lower Upper
106 100
91 238.5 100.1 300.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF061796.D
Acq: 28 Feb 2019 19:19

Tgt Ion:152 Resp: 189469
Ion Ratio Lower Upper
152 100
115 55.1 24.3 72.8
150 158.7 0.0 312.0

