

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031319\
 Data File : VF061935.D
 Acq On : 13 Mar 2019 18:51
 Operator : VA/AP
 Sample : K1895-01
 Misc : 5.86g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOIL

Quant Time: Mar 14 01:48:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

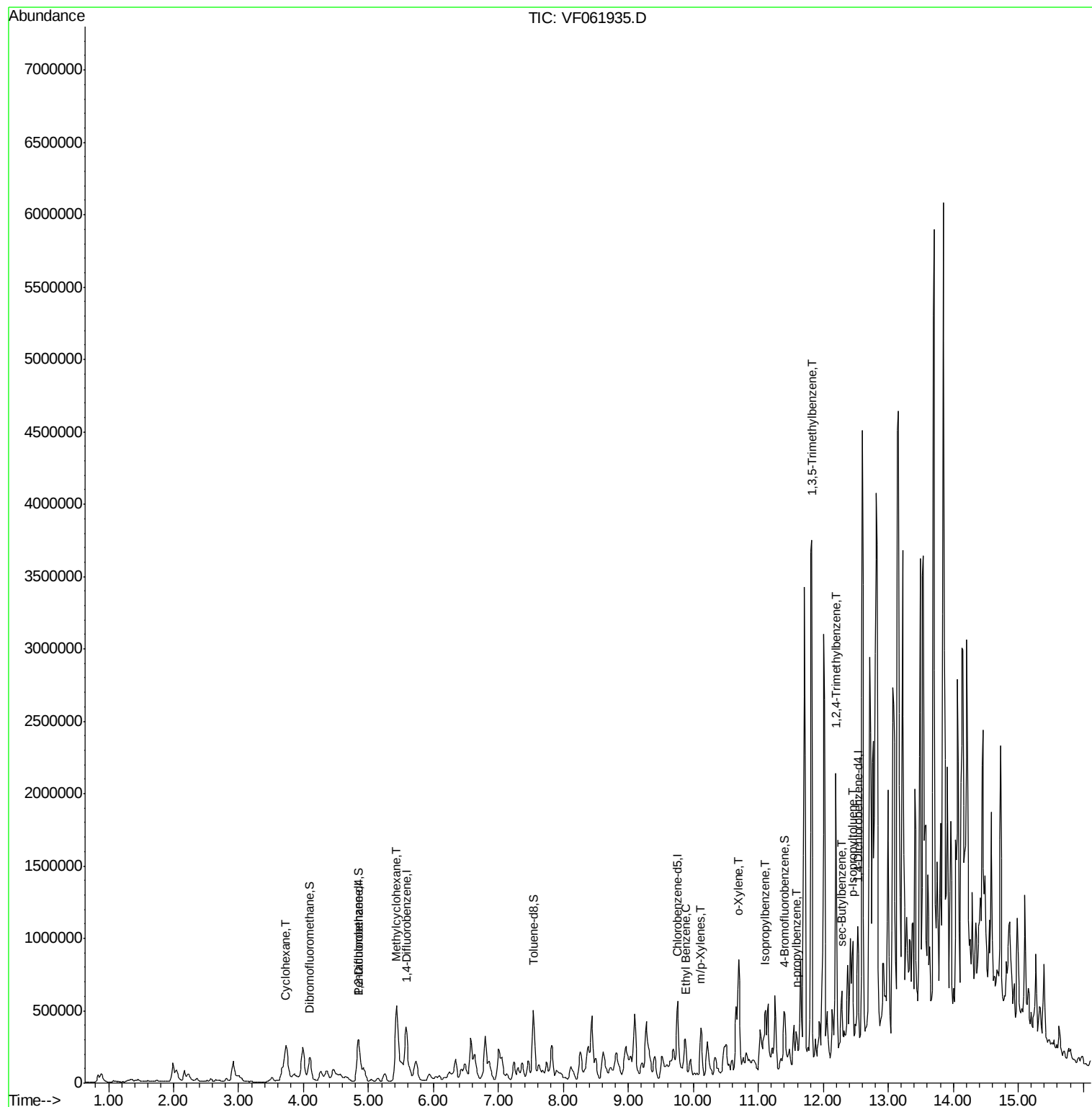
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	250384	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	412461	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	280095	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	101955	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	114276	62.67	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	125.34%	
35) Dibromofluoromethane	4.10	113	156017	54.20	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	108.40%	
50) Toluene-d8	7.54	98	365471	42.72	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	85.44%	
62) 4-Bromofluorobenzene	11.40	95	141268	42.15	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	84.30%	
Target Compounds						
					Qvalue	
31) Cyclohexane	3.72	56	181683	47.291	ug/l #	69
39) Methylcyclohexane	5.44	83	462310	100.460	ug/l	98
67) Ethyl Benzene	9.89	91	48109	5.394	ug/l	97
68) m/p-Xylenes	10.11	106	122338	35.805	ug/l	98
69) o-Xylene	10.70	106	218772	59.461	ug/l	99
73) Isopropylbenzene	11.11	105	67679	9.642	ug/l	96
78) n-propylbenzene	11.58	91	123941	15.636	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	2028013	359.868	ug/l	87
84) 1,2,4-Trimethylbenzene	12.19	105	841871	152.390	ug/l	98
85) sec-Butylbenzene	12.29	105	83018	10.661	ug/l #	60
86) p-Isopropyltoluene	12.45	119	77672m	11.734	ug/l	

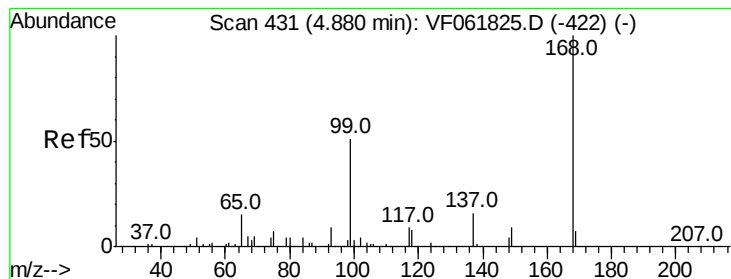
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031319\
Data File : VF061935.D
Acq On : 13 Mar 2019 18:51
Operator : VA/AP
Sample : K1895-01
Misc : 5.86g/5mL/MSVOA-F/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

Quant Time: Mar 14 01:48:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 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: VF061935.D

Acq: 13 Mar 2019 18:51

Instrument :

MSVOA_F

ClientSampled :

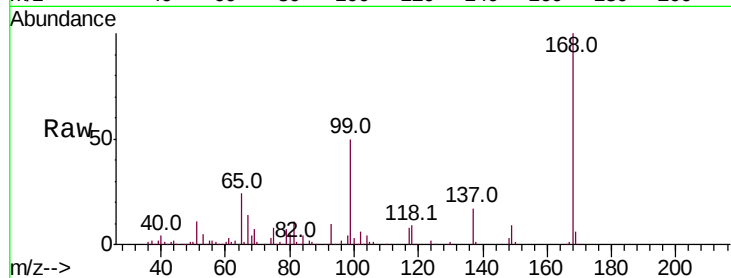
OILY-SOIL

Tot Ion:168 Resp: 250384

Ion Ratio Lower Upper

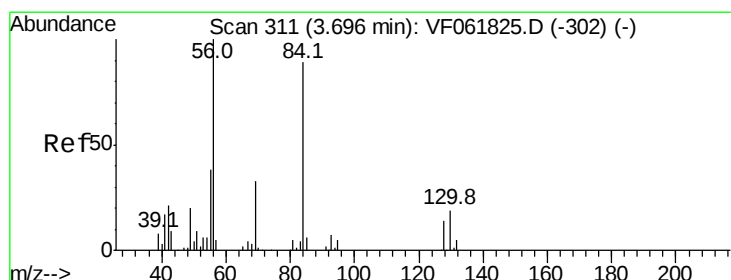
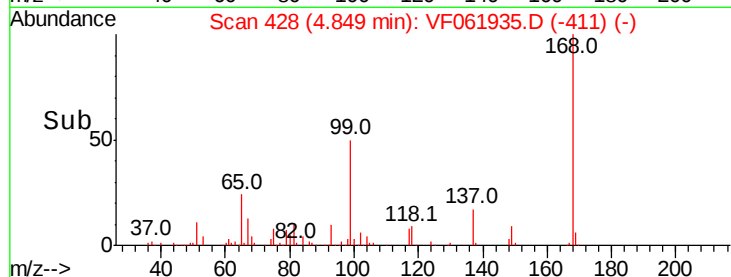
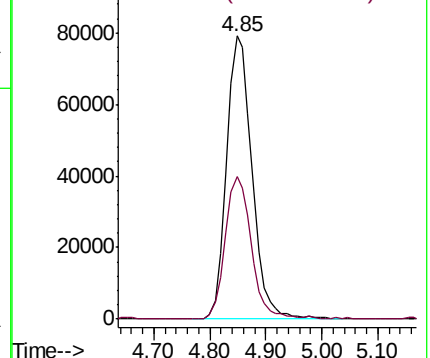
168 100

99 50.3 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#31

Cyclohexane

Concen: 47.291 ug/l

RT: 3.72 min Scan# 314

Delta R.T. 0.03 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

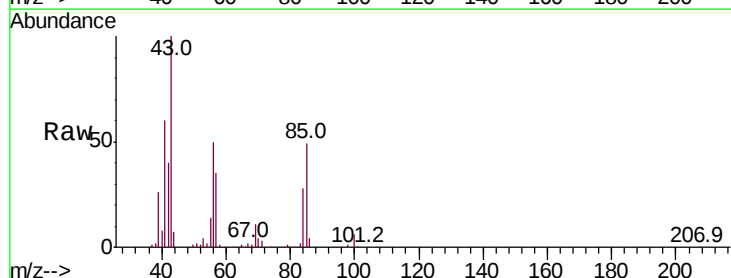
Tgt Ion: 56 Resp: 181683

Ion Ratio Lower Upper

56 100

69 22.8 26.0 39.0#

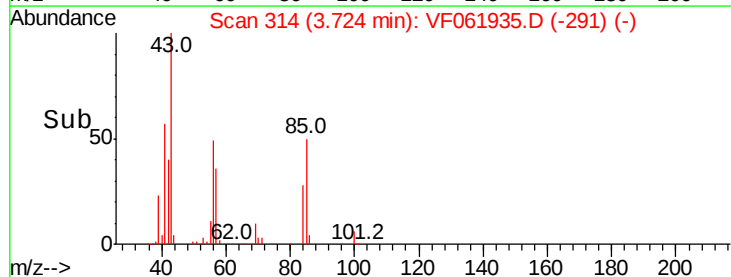
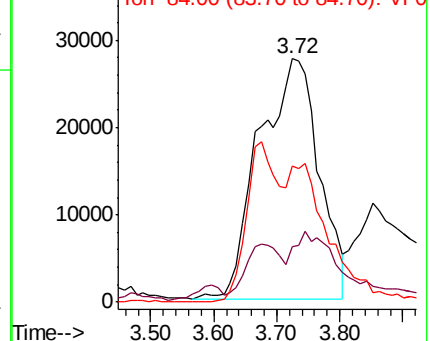
84 55.7 71.0 106.6#

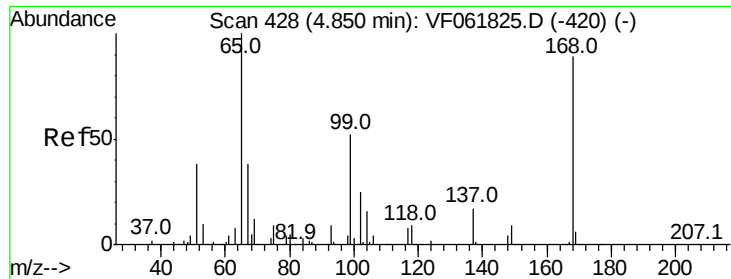


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 62.672 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

Instrument :

MSVOA_F

ClientSampleId :

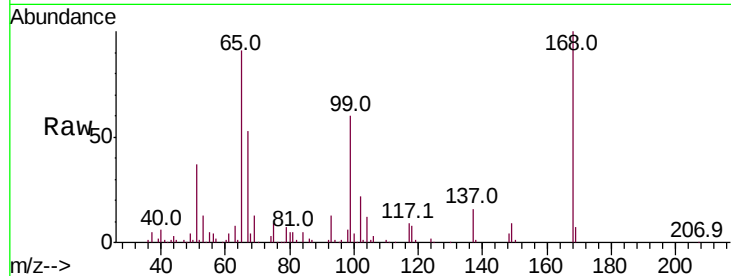
OILY-SOIL

Tot Ion: 65 Resp: 114276

Ion Ratio Lower Upper

65 100

67 57.7 0.0 108.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.83

40000

30000

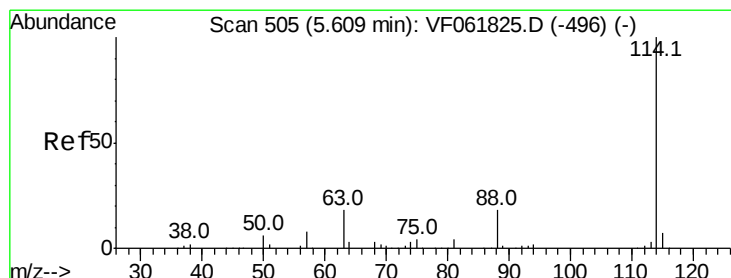
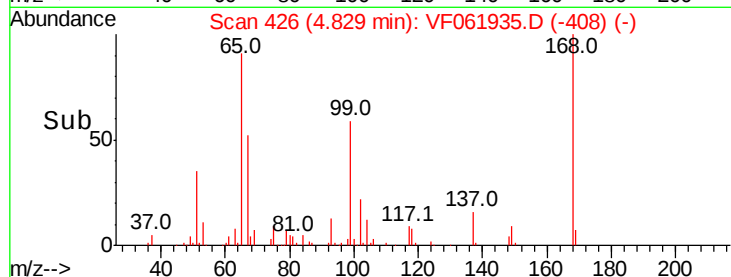
20000

10000

0

4.70 4.80 4.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

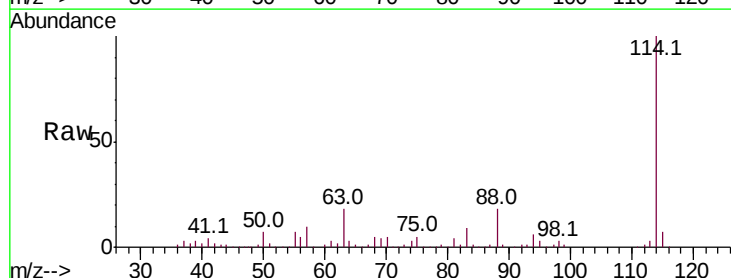
Tgt Ion: 114 Resp: 412461

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.6

88 18.0 0.0 35.6



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

200000

150000

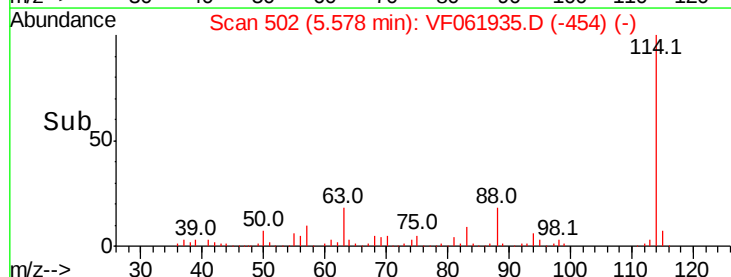
100000

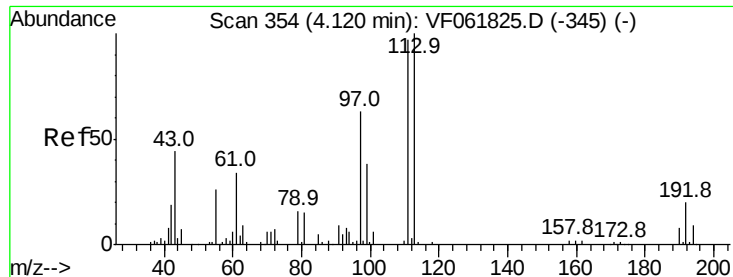
50000

0

5.40 5.60 5.80

Time-->

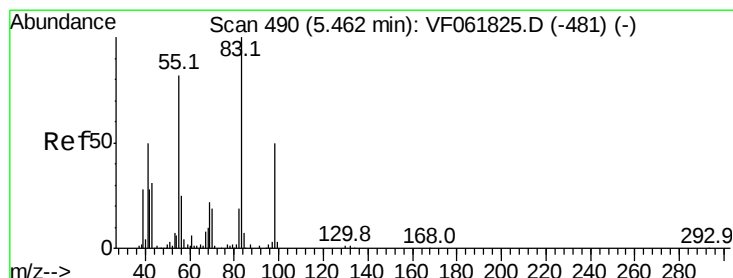
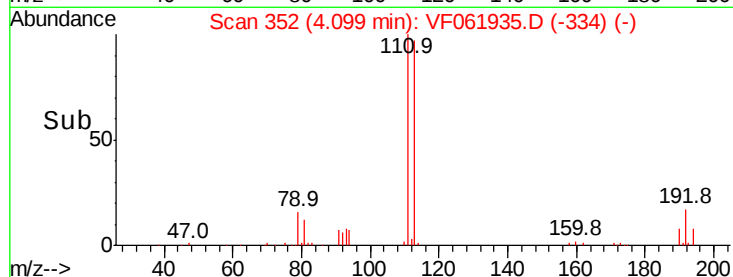
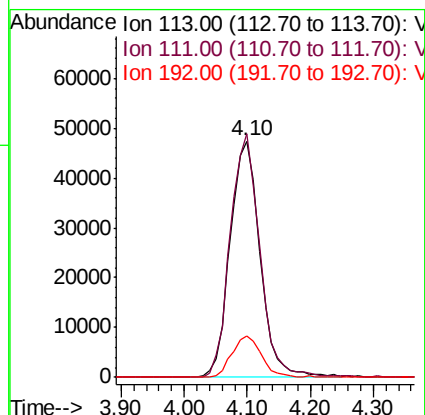
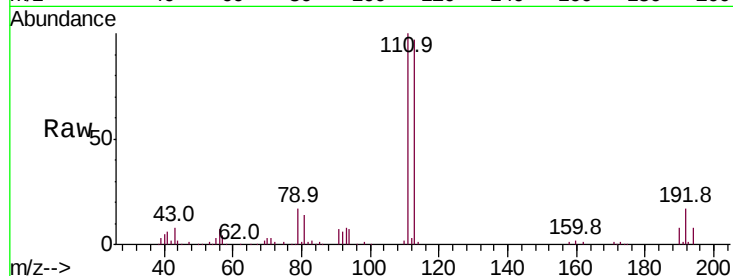




#35
 Dibromofluoromethane
 Concen: 54.202 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VF061935.D
 Acq: 13 Mar 2019 18:51

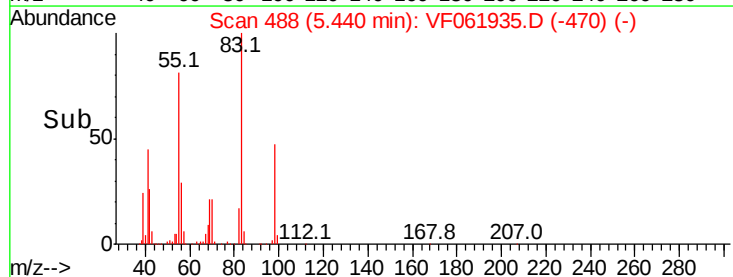
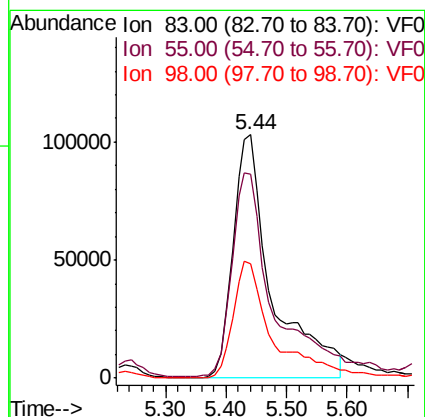
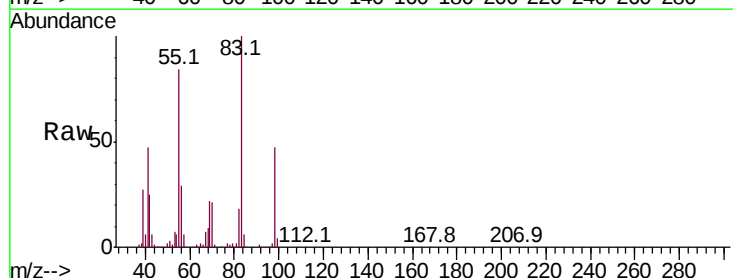
Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOIL

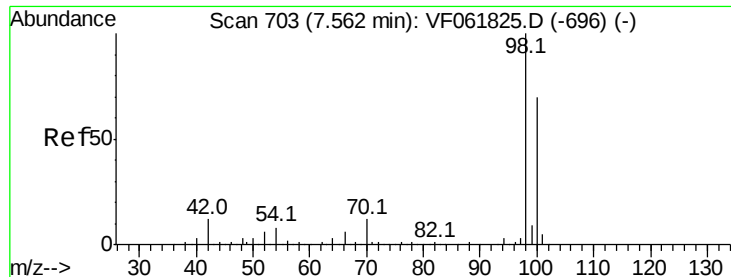
Tot Ion:113 Resp: 156017
 Ion Ratio Lower Upper
 113 100
 111 103.1 77.6 116.4
 192 17.6 15.9 23.9



#39
 Methylcyclohexane
 Concen: 100.460 ug/l
 RT: 5.44 min Scan# 488
 Delta R.T. -0.02 min
 Lab File: VF061935.D
 Acq: 13 Mar 2019 18:51

Tgt Ion: 83 Resp: 462310
 Ion Ratio Lower Upper
 83 100
 55 83.5 66.0 99.0
 98 46.8 39.8 59.6

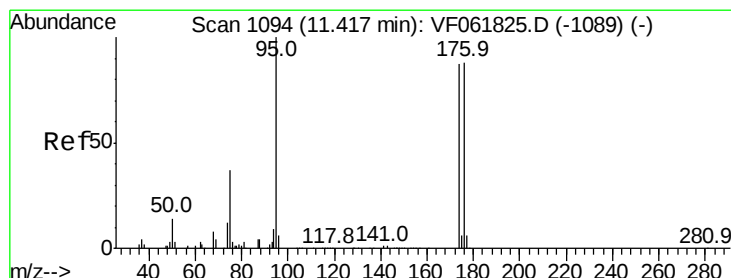
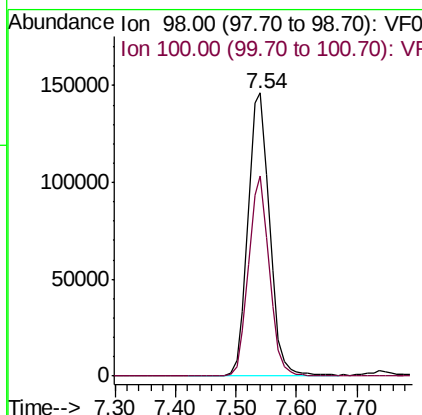
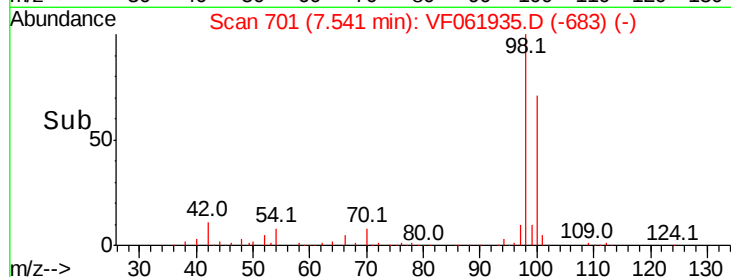
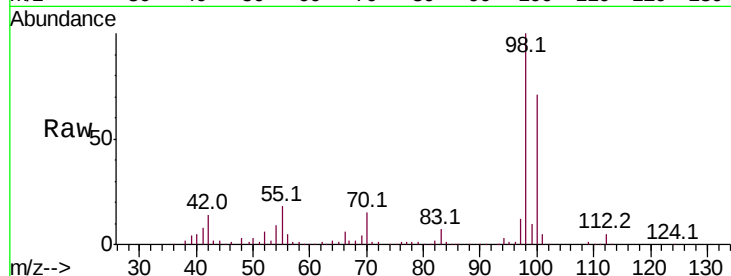




#50
Toluene-d8
Concen: 42.717 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

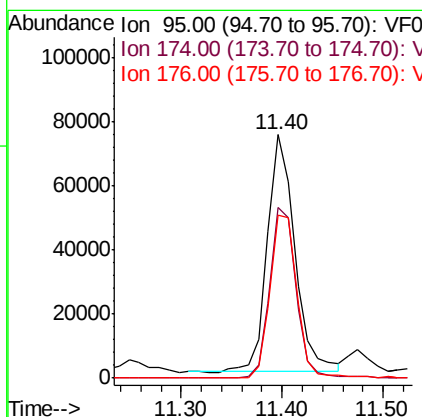
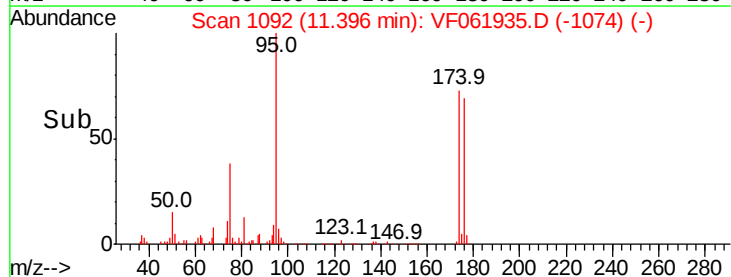
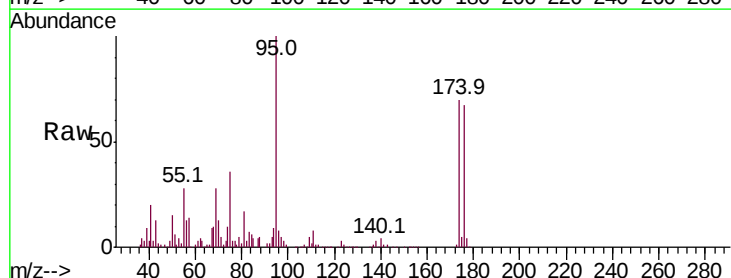
Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

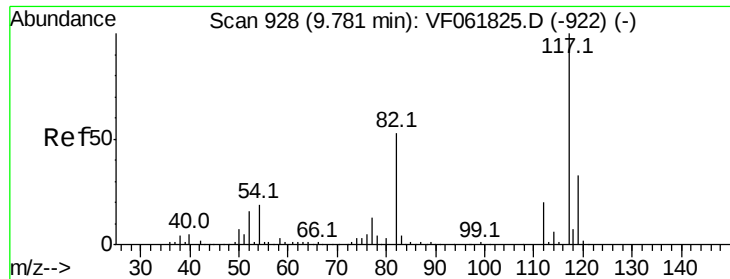
Tot Ion: 98 Resp: 365471
Ion Ratio Lower Upper
98 100
100 70.8 56.0 84.0



#62
4-Bromofluorobenzene
Concen: 42.152 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

Tgt Ion: 95 Resp: 141268
Ion Ratio Lower Upper
95 100
174 70.3 0.0 174.0
176 66.8 0.0 175.2

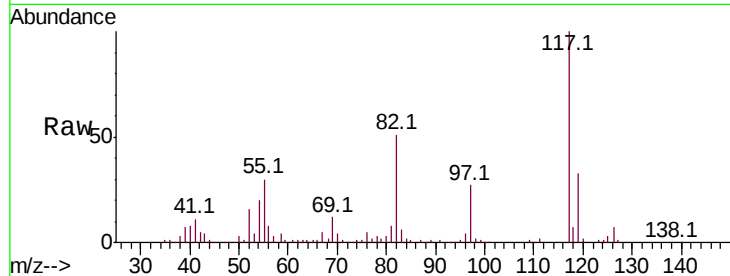




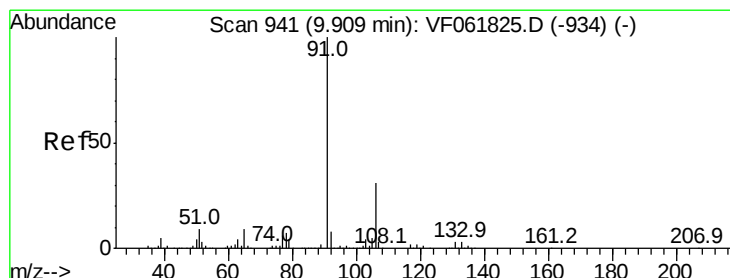
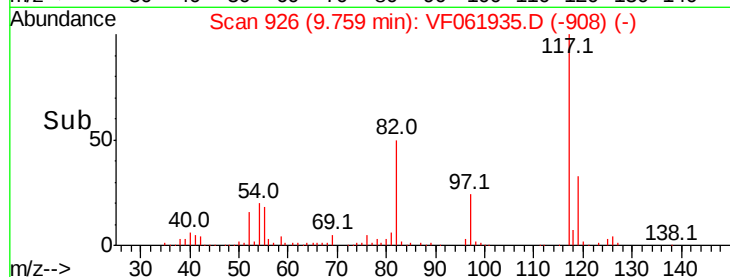
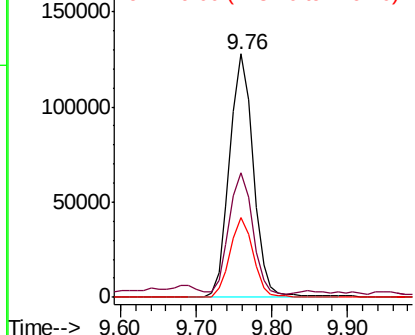
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

Tot Ion:117 Resp: 280095
Ion Ratio Lower Upper
117 100
82 51.4 42.6 63.8
119 32.8 26.0 39.0

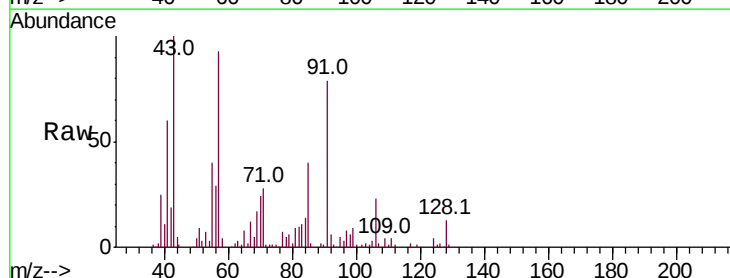


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

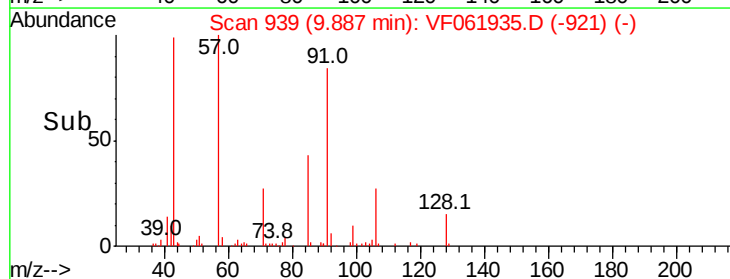
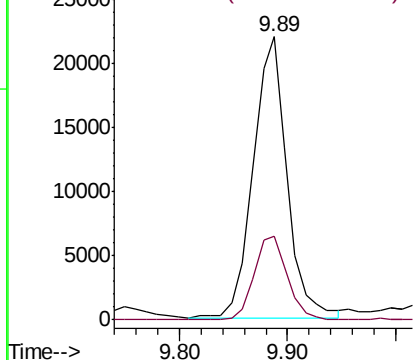


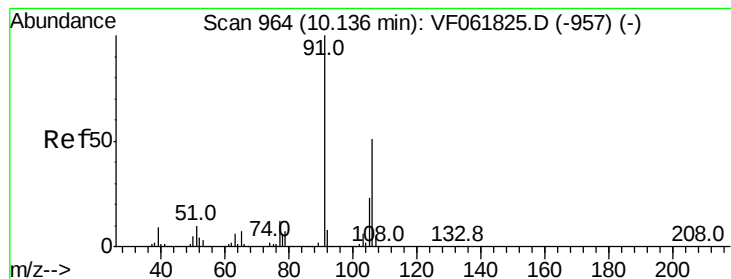
#67
Ethyl Benzene
Concen: 5.394 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.02 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

Tgt Ion: 91 Resp: 48109
Ion Ratio Lower Upper
91 100
106 29.7 25.0 37.4



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





#68

m/p-Xylenes

Concen: 35.805 ug/l

RT: 10.11 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

Instrument :

MSVOA_F

ClientSampleId :

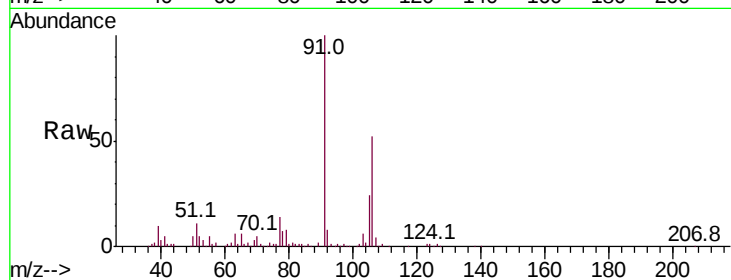
OILY-SOIL

Tot Ion:106 Resp: 122338

Ion Ratio Lower Upper

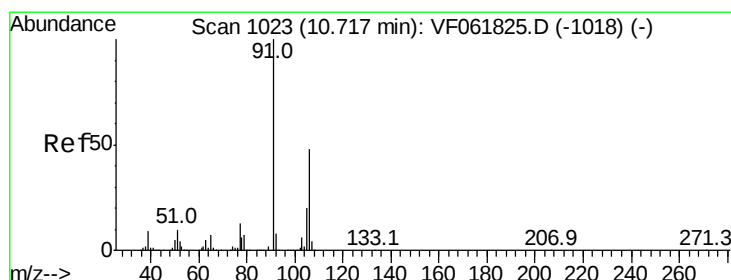
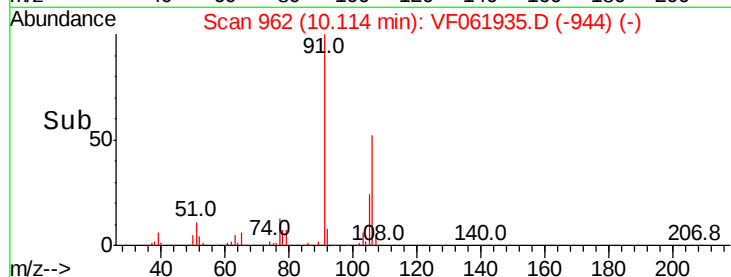
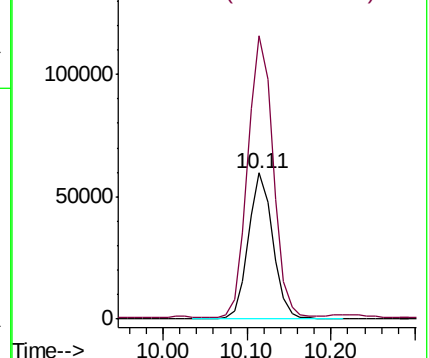
106 100

91 193.8 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 59.461 ug/l

RT: 10.70 min Scan# 1021

Delta R.T. -0.02 min

Lab File: VF061935.D

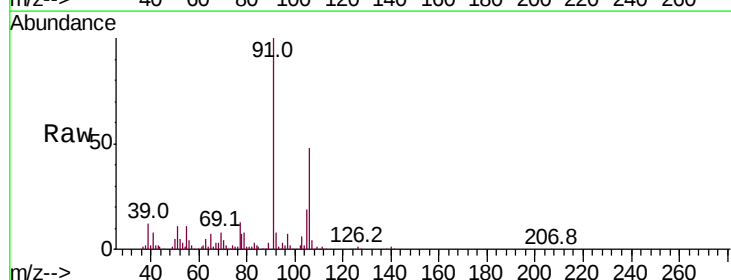
Acq: 13 Mar 2019 18:51

Tgt Ion:106 Resp: 218772

Ion Ratio Lower Upper

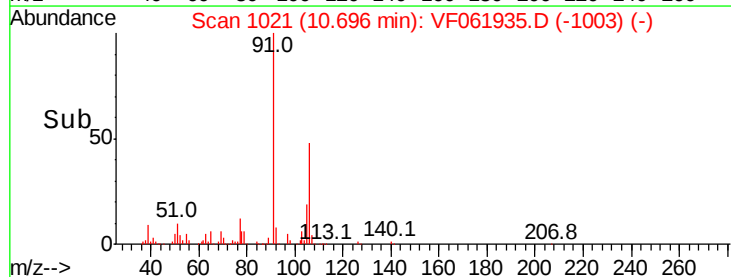
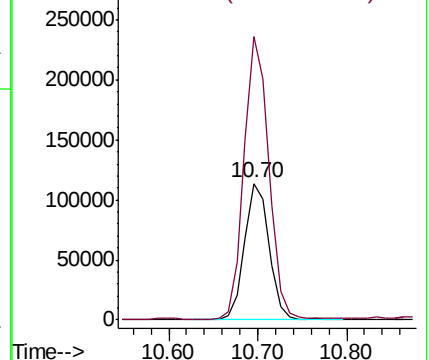
106 100

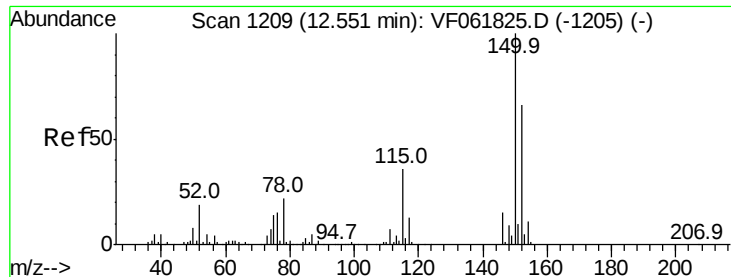
91 207.8 103.5 310.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



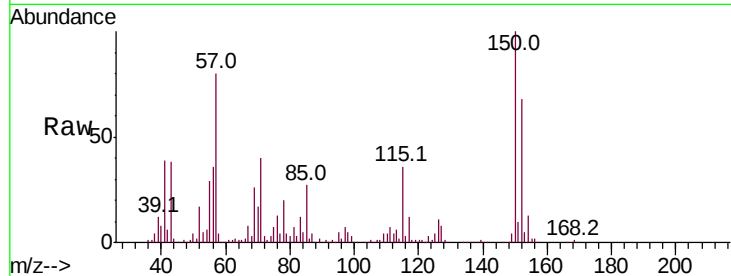


#72

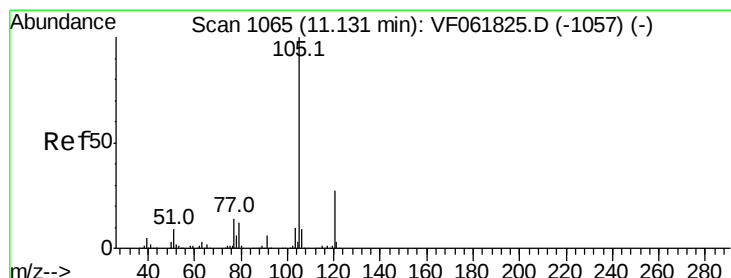
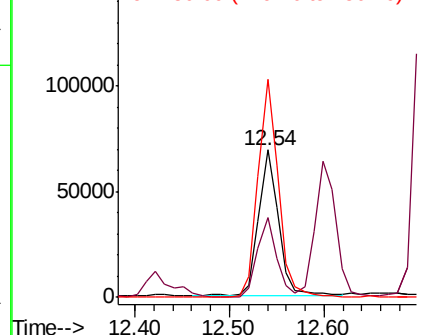
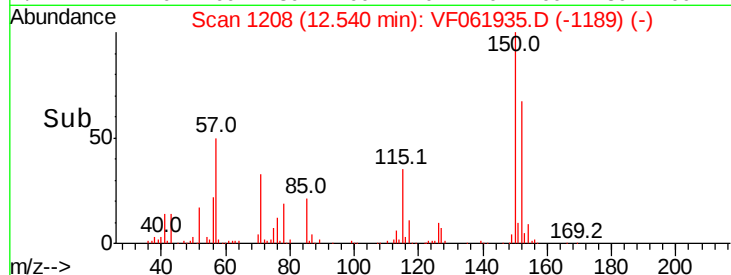
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

Tot Ion:152 Resp: 101955
Ion Ratio Lower Upper
152 100
115 53.8 27.7 83.1
150 147.9 0.0 304.2



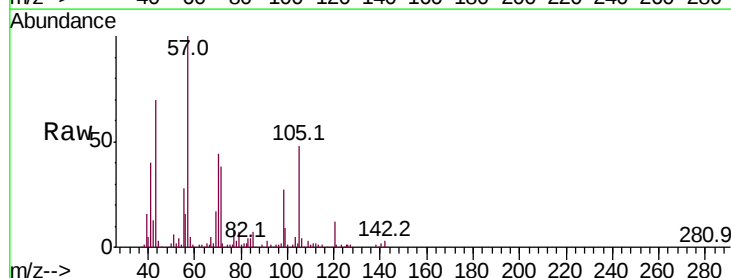
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



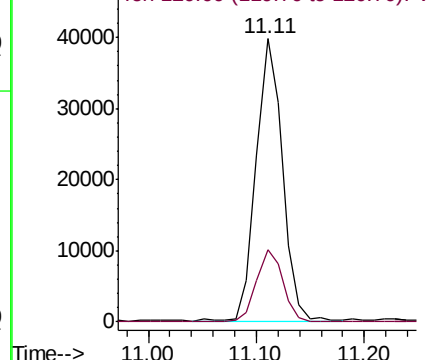
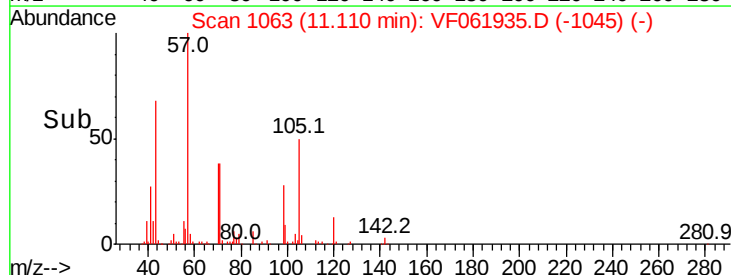
#73

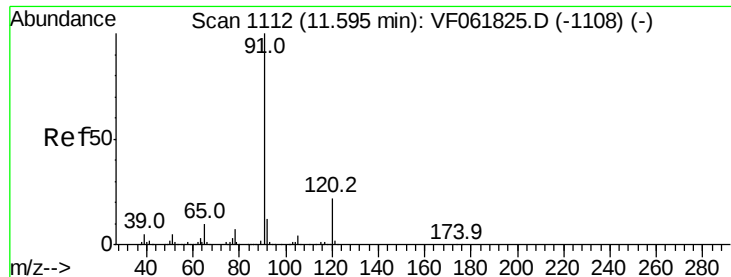
Isopropylbenzene
Concen: 9.642 ug/l
RT: 11.11 min Scan# 1063
Delta R.T. -0.02 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

Tgt Ion:105 Resp: 67679
Ion Ratio Lower Upper
105 100
120 25.3 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 15.636 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

Instrument :

MSVOA_F

ClientSampleId :

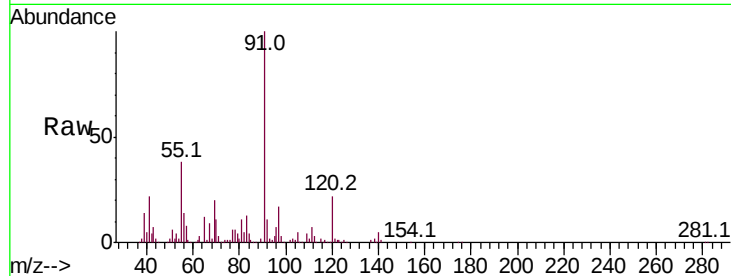
OILY-SOIL

Tot Ion: 91 Resp: 123941

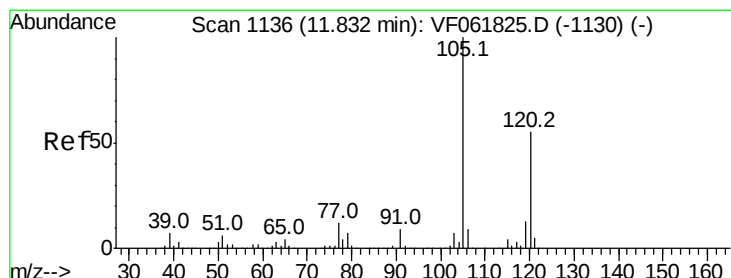
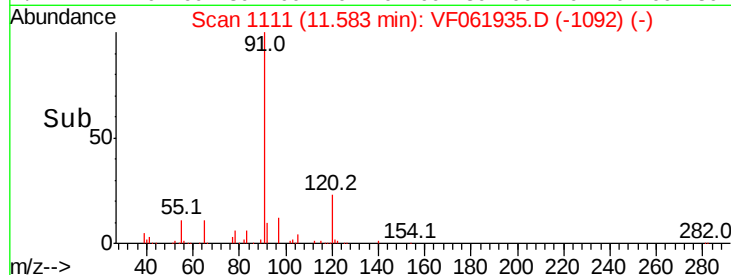
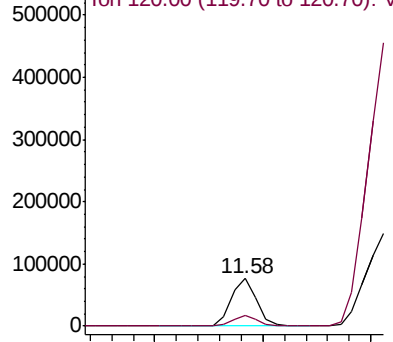
Ion Ratio Lower Upper

91 100

120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF061825.D (-1108) (-)



#80

1,3,5-Trimethylbenzene

Concen: 359.868 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF061935.D

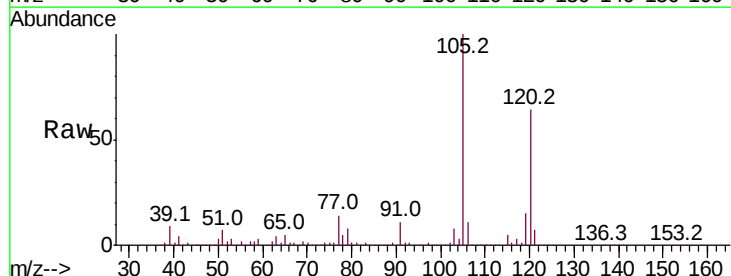
Acq: 13 Mar 2019 18:51

Tgt Ion:105 Resp: 2028013

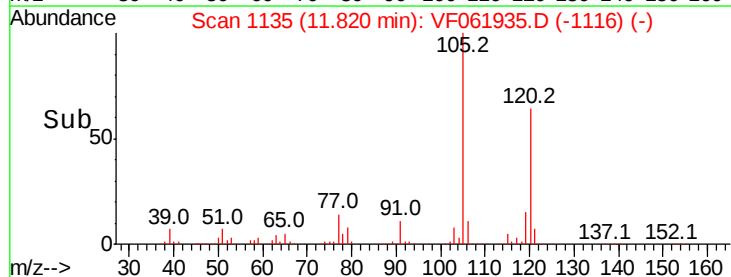
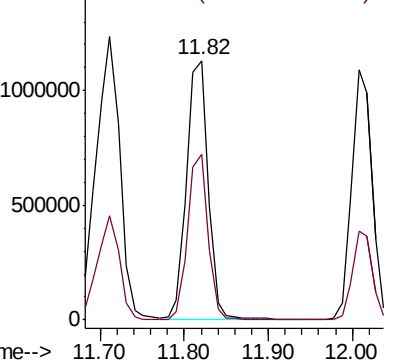
Ion Ratio Lower Upper

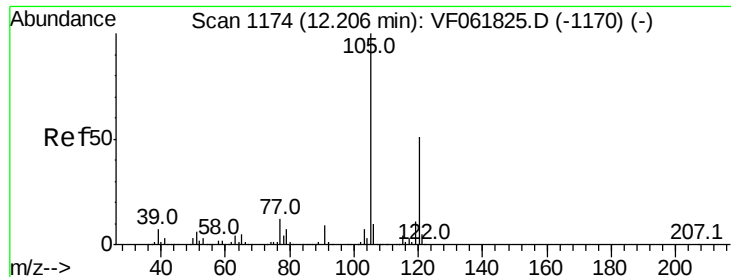
105 100

120 64.0 27.4 82.2



Abundance Ion 105.00 (104.70 to 105.70): VF061825.D (-1130) (-)

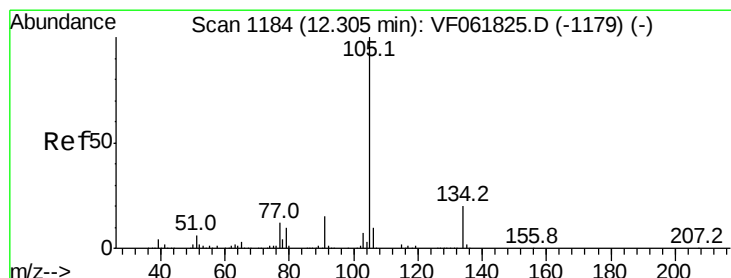
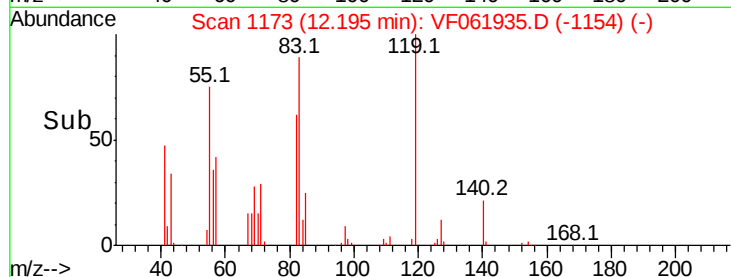
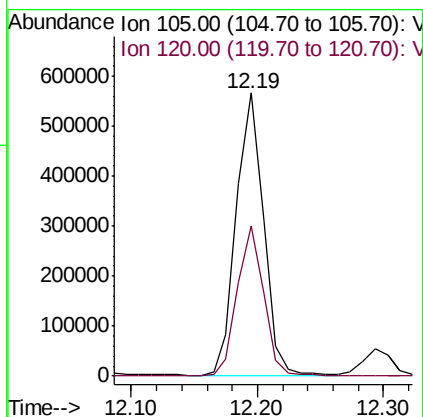
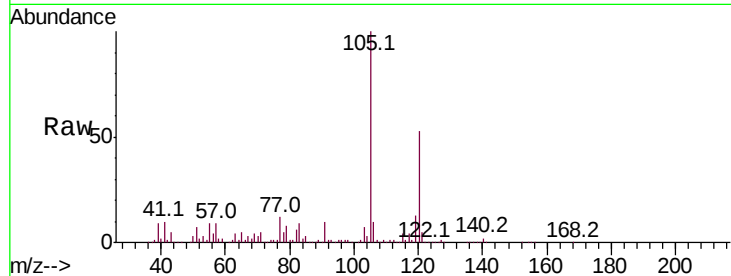




#84
1,2,4-Trimethylbenzene
Concen: 152.390 ug/l
RT: 12.19 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

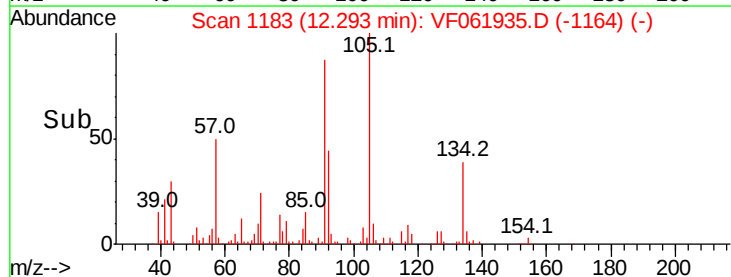
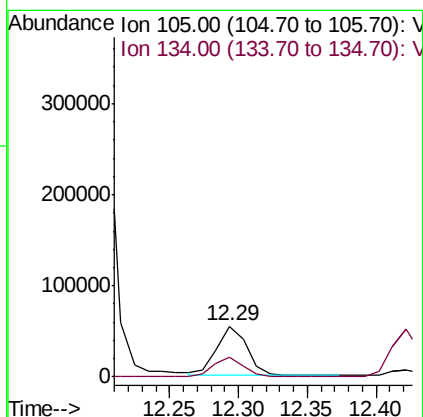
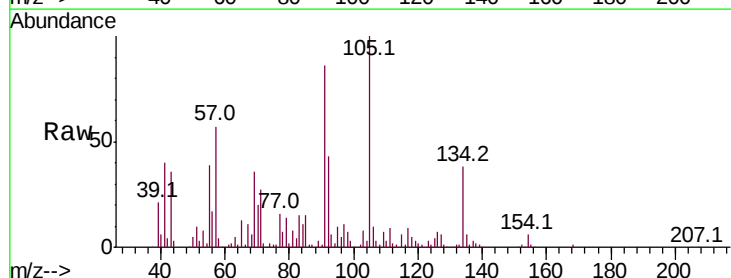
Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

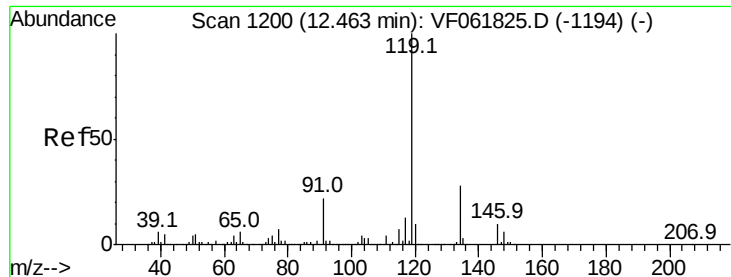
Tot Ion:105 Resp: 841871
Ion Ratio Lower Upper
105 100
120 53.0 25.8 77.4



#85
sec-Butylbenzene
Concen: 10.661 ug/l
RT: 12.29 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VF061935.D
Acq: 13 Mar 2019 18:51

Tgt Ion:105 Resp: 83018
Ion Ratio Lower Upper
105 100
134 37.8 9.8 29.5#





#86

p-Isopropyltoluene

Concen: 11.734 ug/l m

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061935.D

Acq: 13 Mar 2019 18:51

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOIL

Tot Ion:119 Resp: 77672

Ion Ratio Lower Upper

119 100

134 26.5 14.0 42.0

91 24.0 11.1 33.3

