

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
 Data File : VW009166.D
 Acq On : 13 Mar 2019 20:03
 Operator : SY/VA
 Sample : K1895-01
 Misc : 4.35G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OILY-SOIL

Quant Time: Mar 14 06:02:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	324923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	513237	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	509877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	219213	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	177447	54.28	ug/l	0.00
Spiked Amount			Recovery	=	108.56%	
35) Dibromofluoromethane	7.88	113	153038	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
50) Toluene-d8	10.32	98	683279	53.84	ug/l	0.00
Spiked Amount			Recovery	=	107.68%	
62) 4-Bromofluorobenzene	12.62	95	341791	68.41	ug/l	0.00
Spiked Amount			Recovery	=	136.82%	

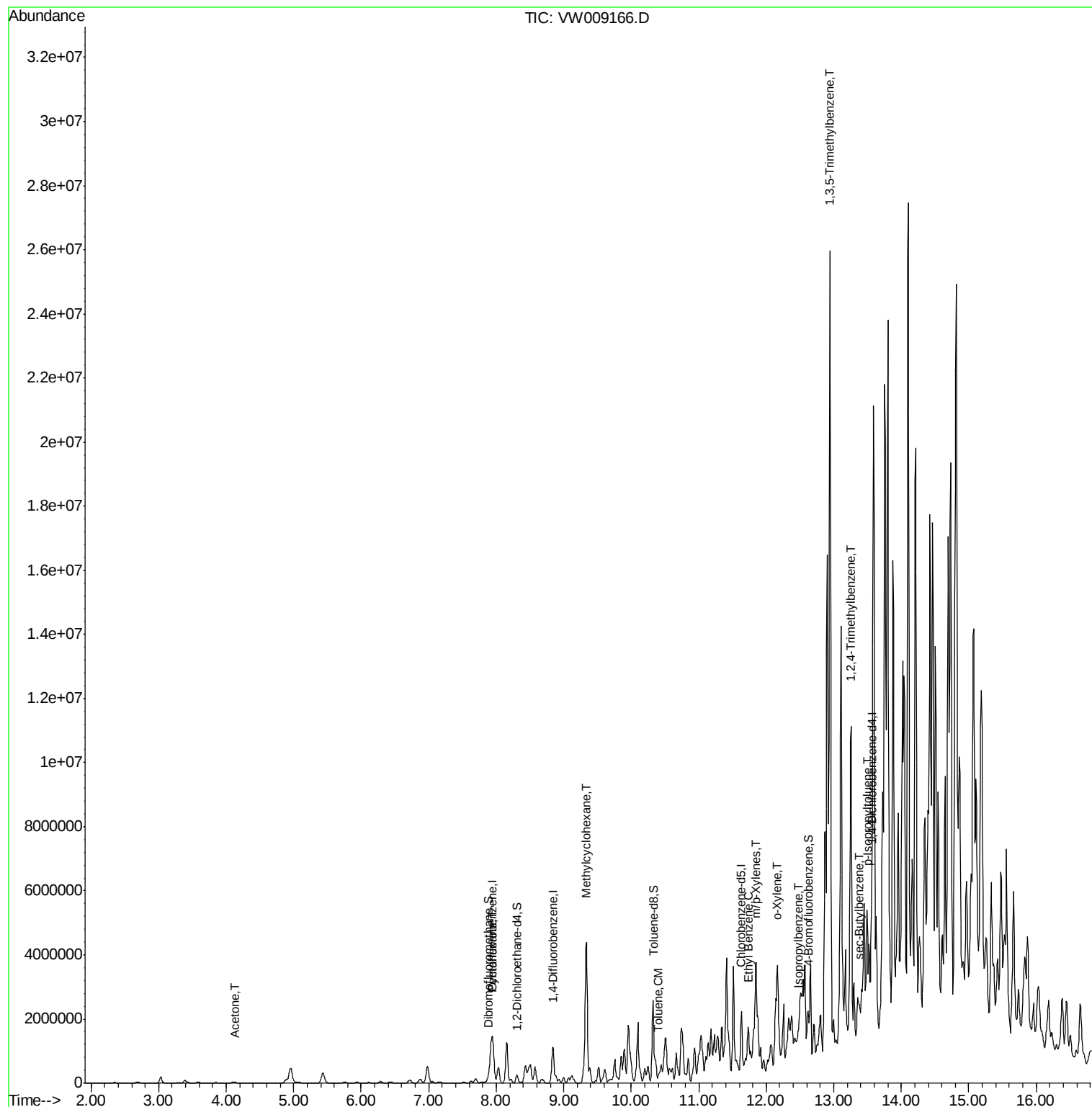
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	36149	49.003	ug/l	99
31) Cyclohexane	7.95	56	574615	94.253	ug/l	94
39) Methylcyclohexane	9.34	83	1631314	255.216	ug/l	97
52) Toluene	10.39	92	9821	1.011	ug/l	96
67) Ethyl Benzene	11.73	91	160134	7.987	ug/l	97
68) m/p-Xylenes	11.85	106	420559	53.143	ug/l	97
69) o-Xylene	12.16	106	665164	90.335	ug/l	98
73) Isopropylbenzene	12.46	105	276056	17.585	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	9894537	731.220	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	5076805	370.888	ug/l	100
85) sec-Butylbenzene	13.38	105	372040	22.003	ug/l #	48
86) p-Isopropyltoluene	13.50	119	427028	28.231	ug/l	96

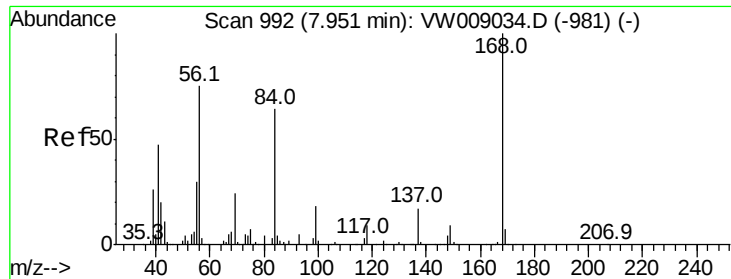
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031319\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

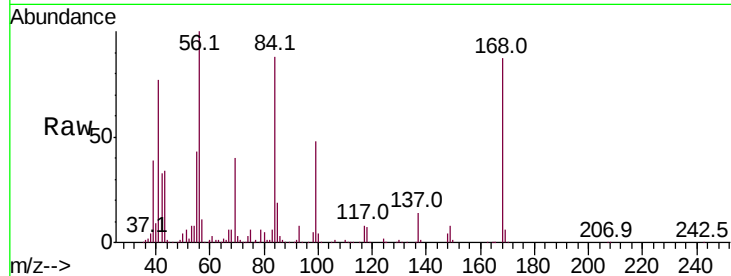
OILY-SOIL

Tot Ion:168 Resp: 324923

Ion Ratio Lower Upper

168 100

99 55.6 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

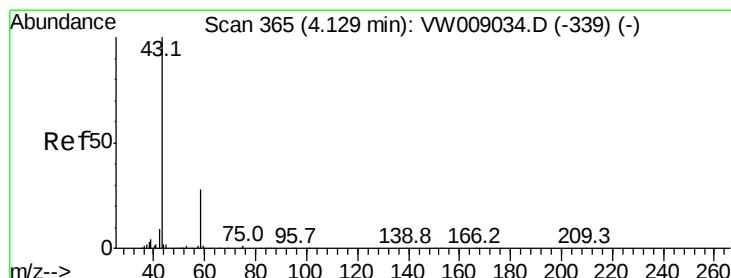
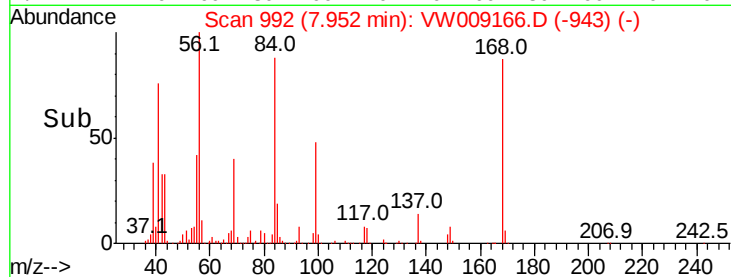
100000

50000

0

7.90 8.00 8.10

Time-->



#16

Acetone

Concen: 49.003 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW009166.D

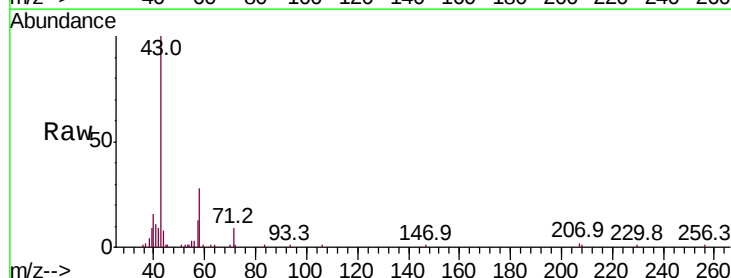
Acq: 13 Mar 2019 20:03

Tgt Ion: 43 Resp: 36149

Ion Ratio Lower Upper

43 100

58 28.4 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

10000

8000

6000

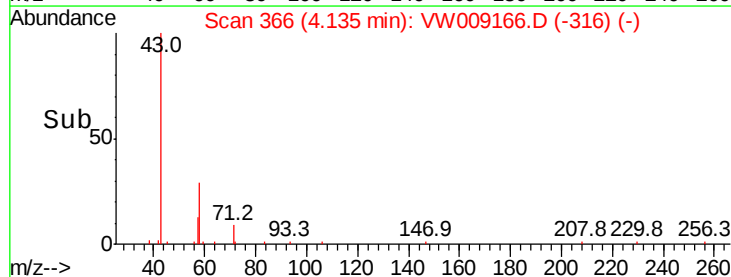
4000

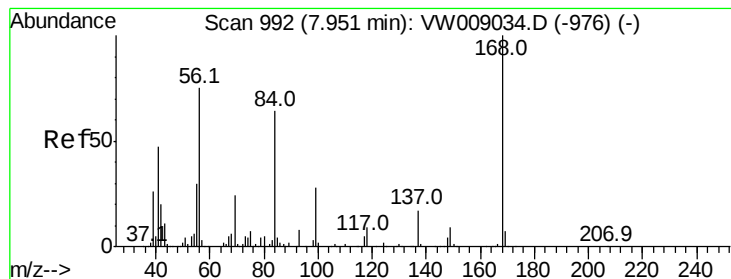
2000

0

3.90 4.00 4.10 4.20 4.30

Time-->





#31

Cyclohexane

Concen: 94.253 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

OILY-SOIL

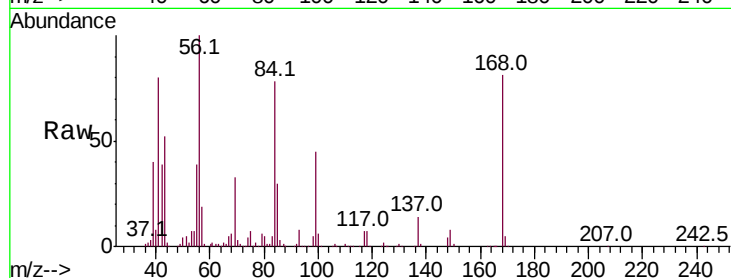
Tot Ion: 56 Resp: 574615

Ion Ratio Lower Upper

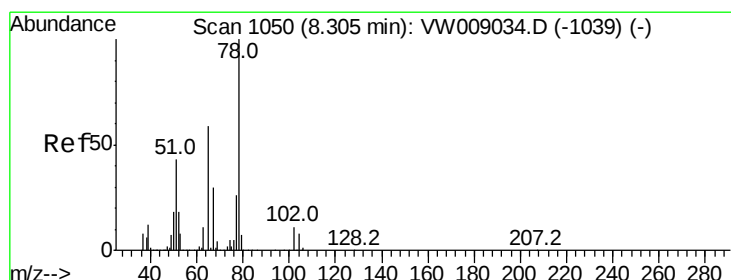
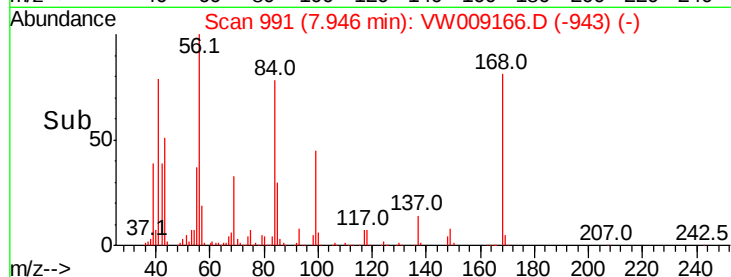
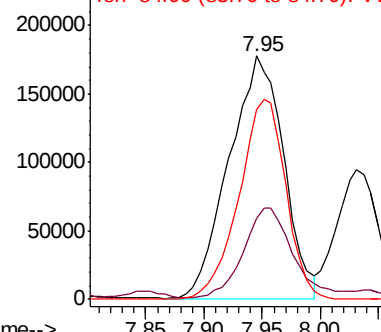
56 100

69 31.5 25.5 38.3

84 78.4 68.6 103.0



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 54.281 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009166.D

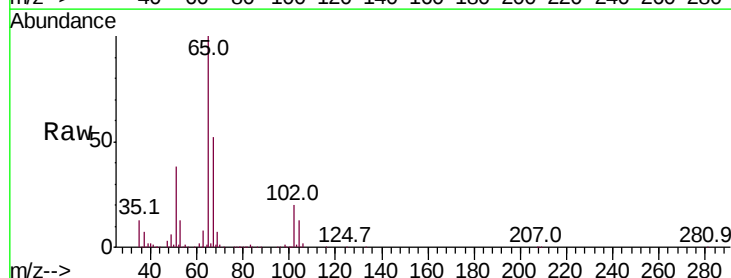
Acq: 13 Mar 2019 20:03

Tgt Ion: 65 Resp: 177447

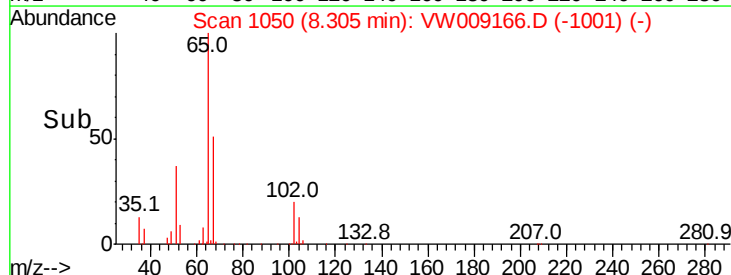
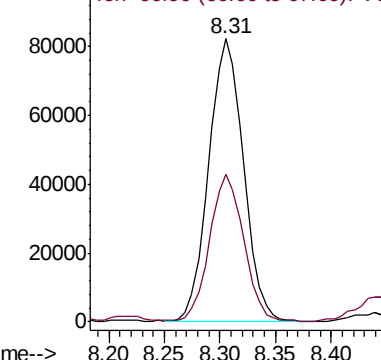
Ion Ratio Lower Upper

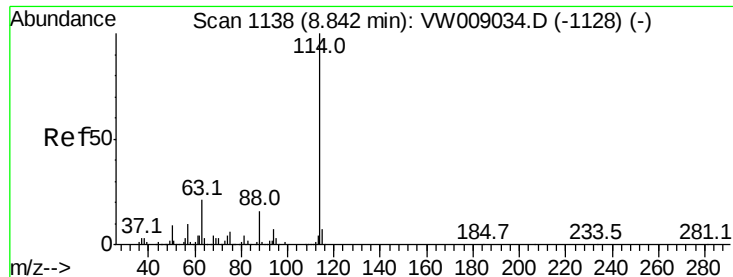
65 100

67 50.8 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

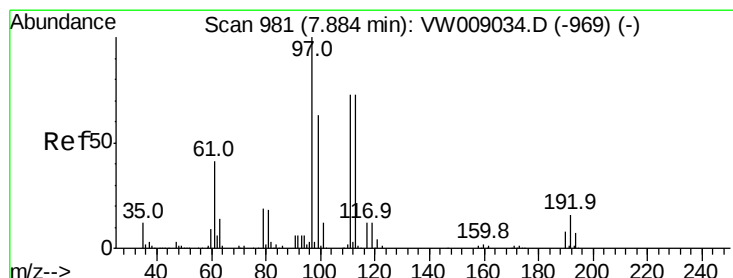
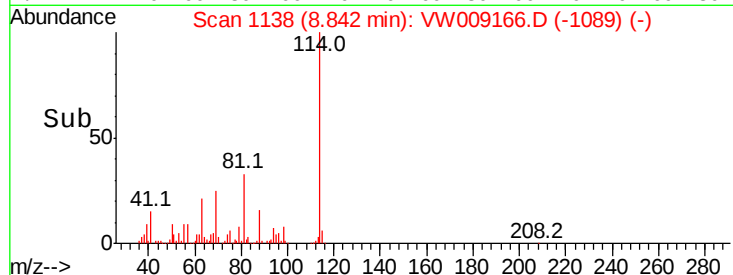
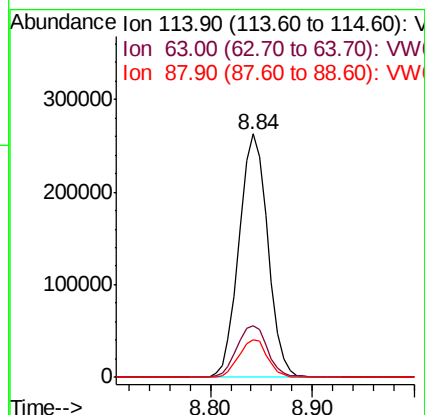
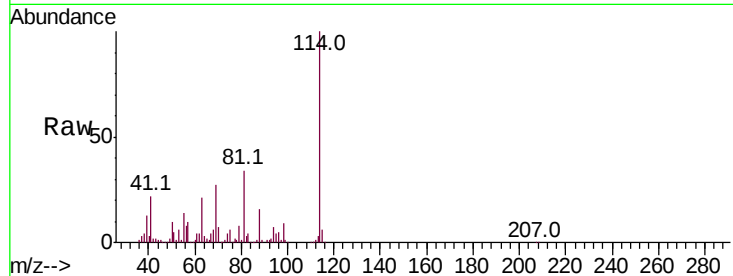




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009166.D
 Acq: 13 Mar 2019 20:03

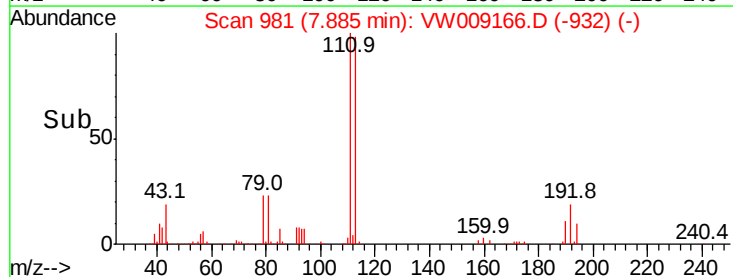
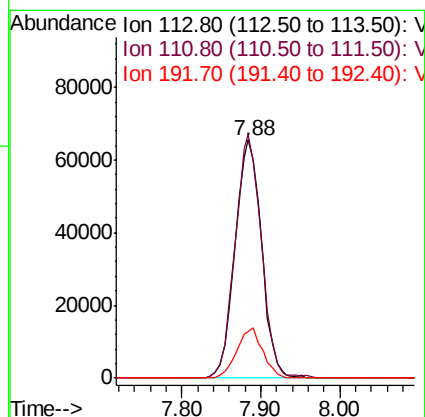
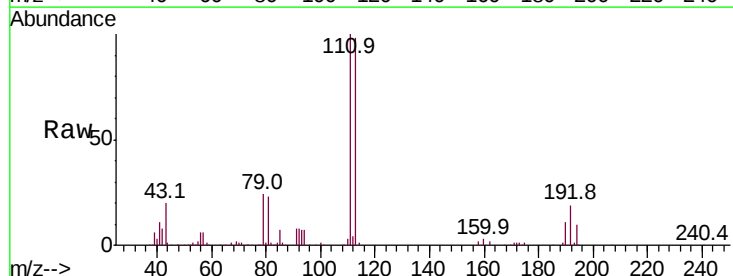
Instrument :
 MSVOA_W
 ClientSampleId :
 OILY-SOIL

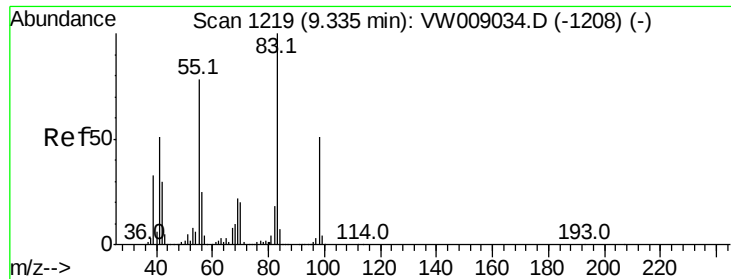
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.2
88	15.6	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 49.525 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009166.D
 Acq: 13 Mar 2019 20:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.0	121.4
192	20.5	17.1	25.7

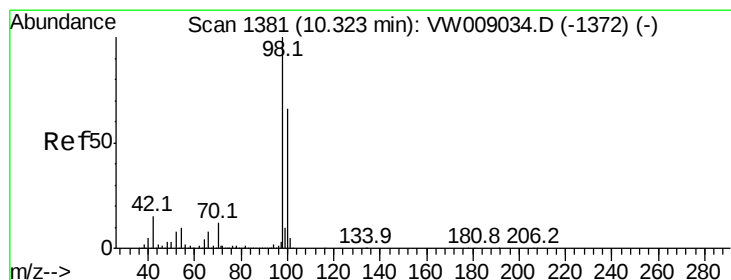
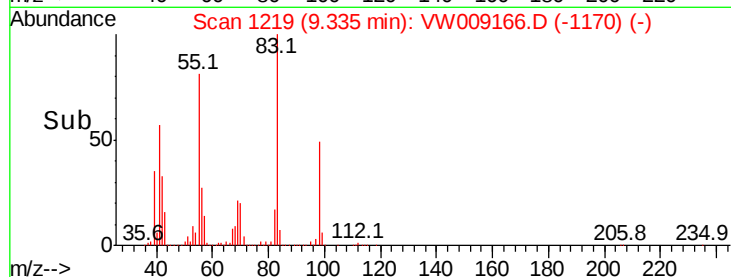
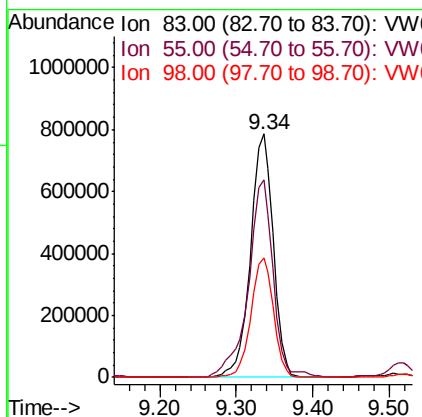
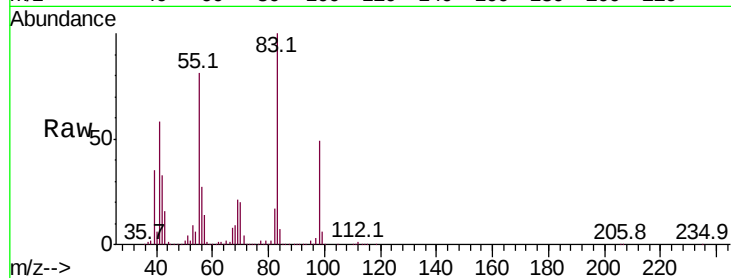




#39
Methvlcvclohexane
Concen: 255.216 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

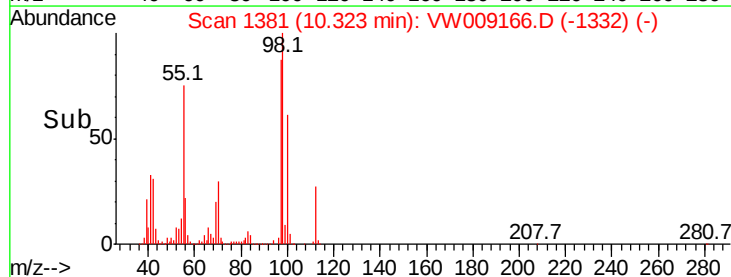
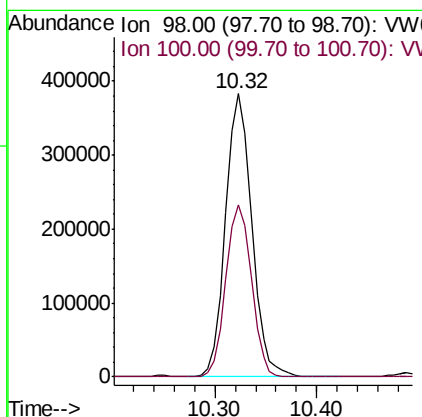
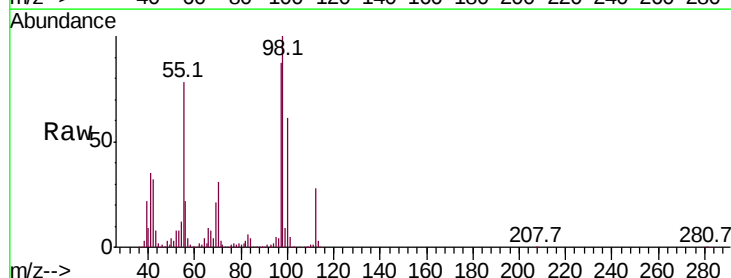
Instrument :
MSVOA_W
ClientSampleId :
OILY-SOIL

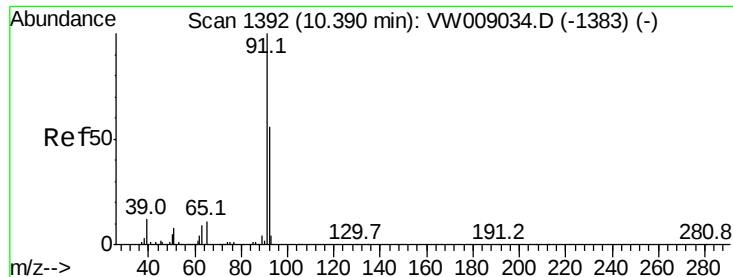
Tot Ion: 83 Resp: 1631314
Ion Ratio Lower Upper
83 100
55 80.9 62.7 94.1
98 48.9 40.8 61.2



#50
Toluene-d8
Concen: 53.837 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

Tgt Ion: 98 Resp: 683279
Ion Ratio Lower Upper
98 100
100 59.6 51.9 77.9





#52

Toluene

Concen: 1.011 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Instrument :

MSVOA_W

ClientSampled :

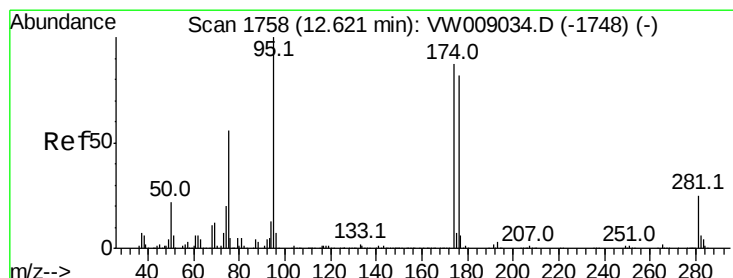
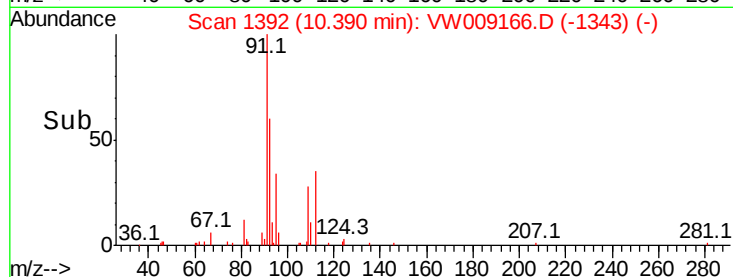
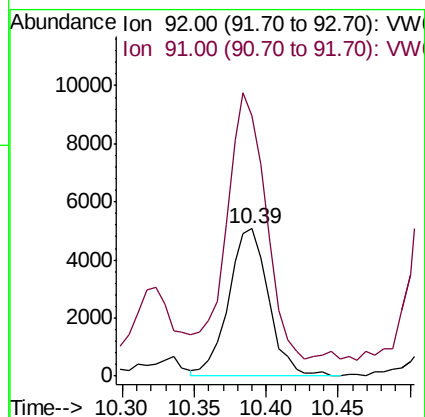
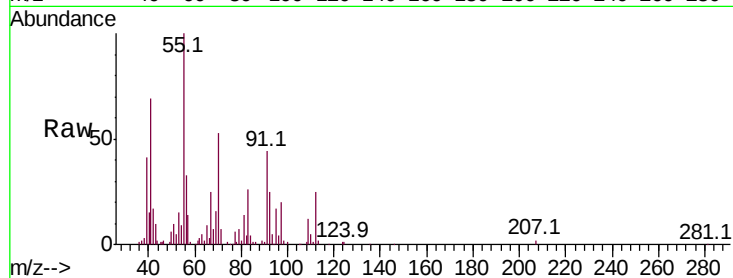
OILY-SOIL

Tot Ion: 92 Resp: 9821

Ion Ratio Lower Upper

92 100

91 180.0 139.9 209.9



#62

4-Bromofluorobenzene

Concen: 68.410 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

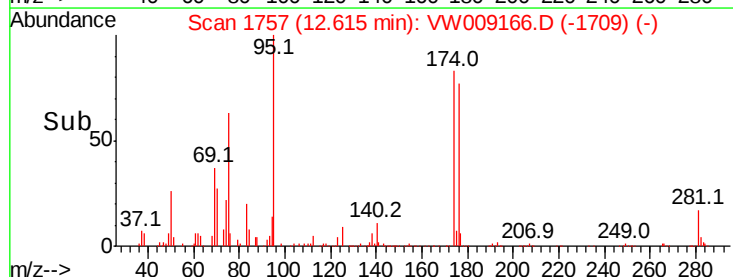
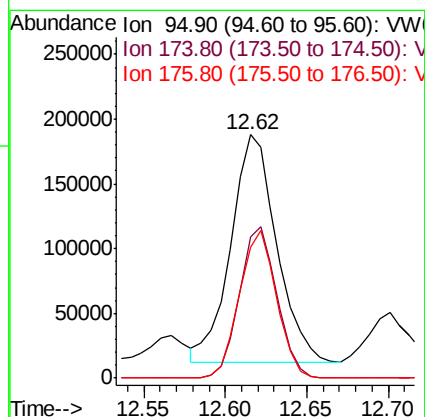
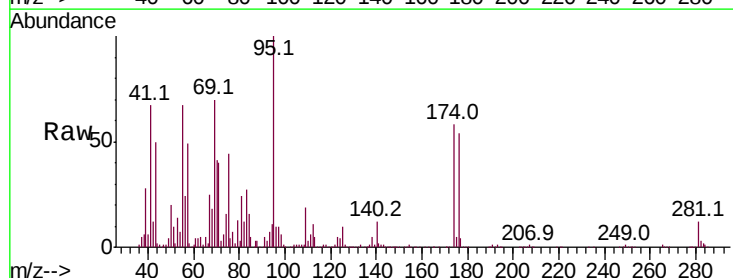
Tgt Ion: 95 Resp: 341791

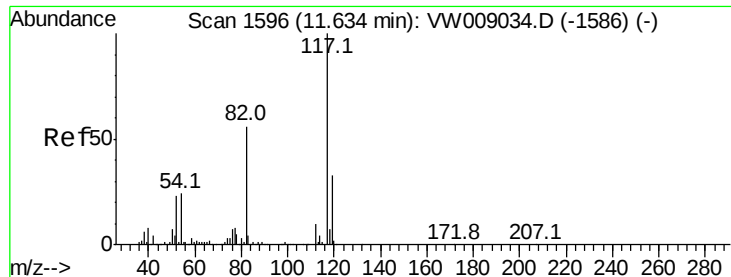
Ion Ratio Lower Upper

95 100

174 54.8 0.0 167.0

176 52.7 0.0 159.4

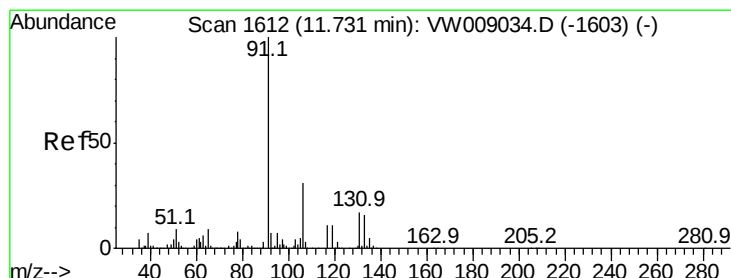
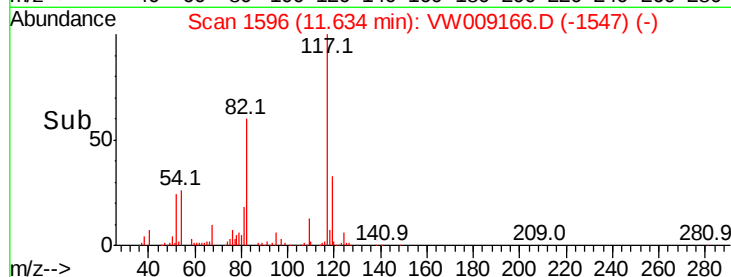
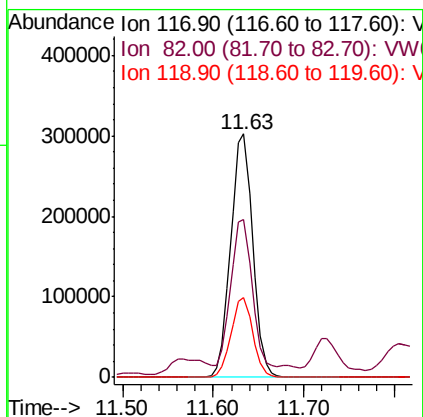
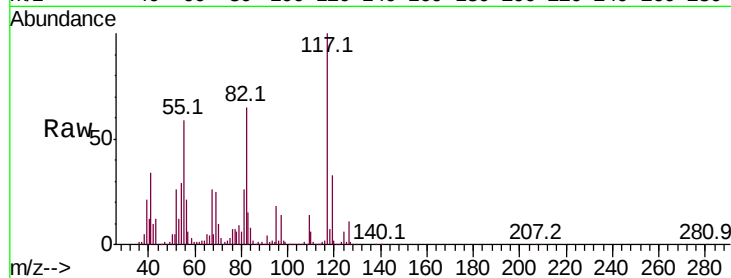




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

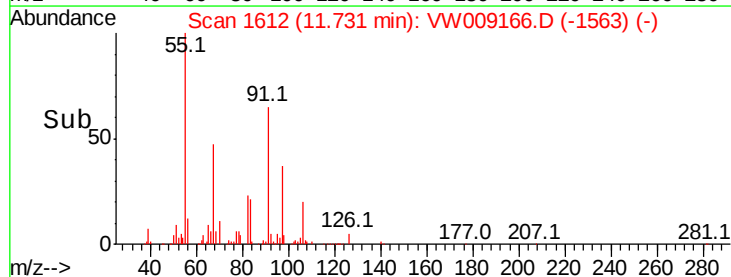
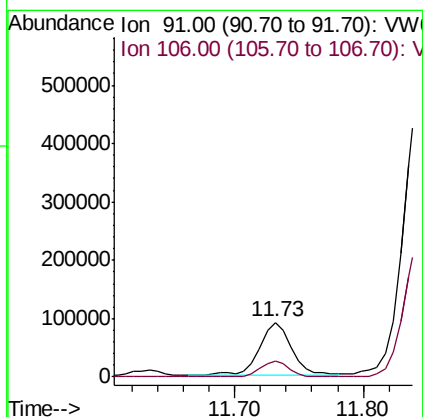
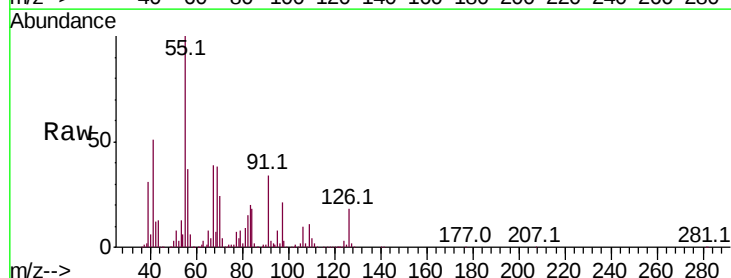
Instrument :
MSVOA_W
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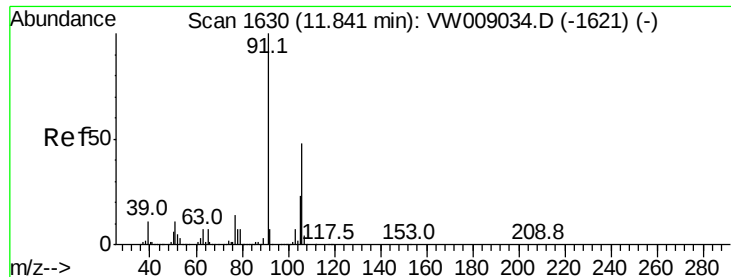
Tot Ion:117 Resp: 509877
Ion Ratio Lower Upper
117 100
82 57.6 45.0 67.6
119 32.5 26.6 39.8



#67
Ethyl Benzene
Concen: 7.987 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009166.D
Acq: 13 Mar 2019 20:03

Tgt Ion: 91 Resp: 160134
Ion Ratio Lower Upper
91 100
106 29.3 25.0 37.4





#68

m/p-Xylenes

Concen: 53.143 ug/l

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Instrument :

MSVOA_W

ClientSampled :

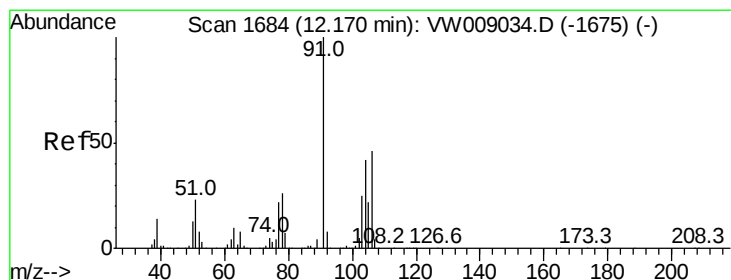
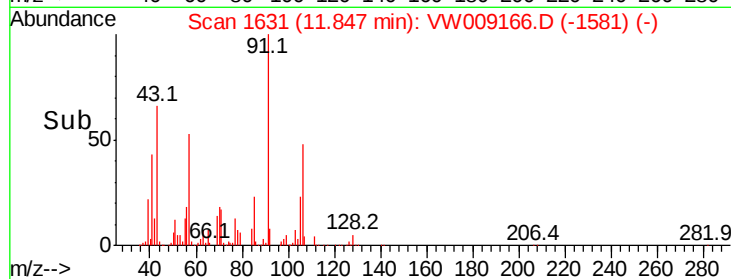
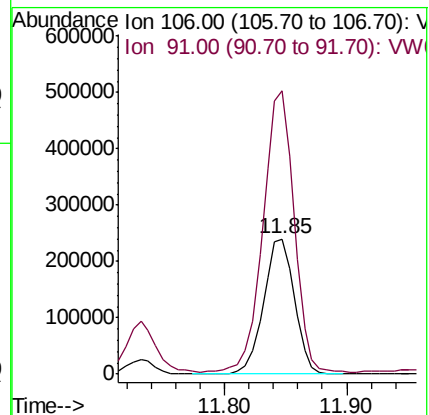
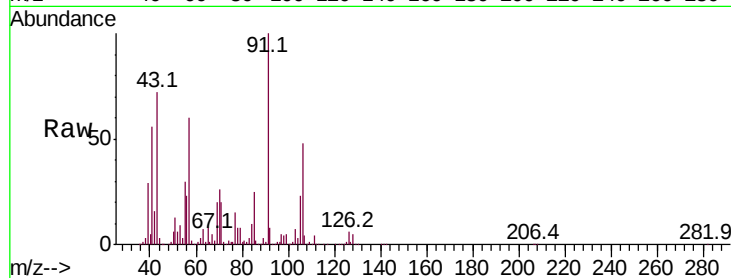
OILY-SOIL

Tot Ion:106 Resp: 420559

Ion Ratio Lower Upper

106 100

91 208.9 163.2 244.8



#69

o-Xylene

Concen: 90.335 ug/l

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW009166.D

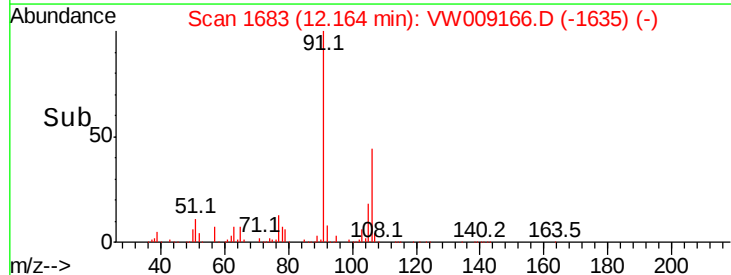
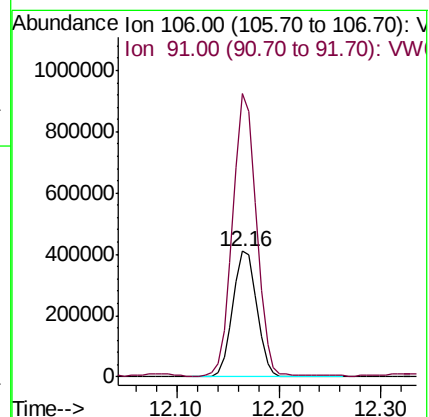
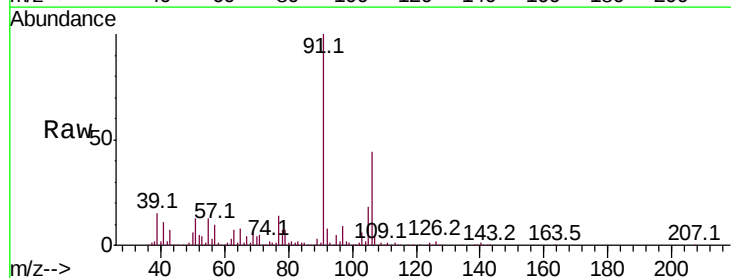
Acq: 13 Mar 2019 20:03

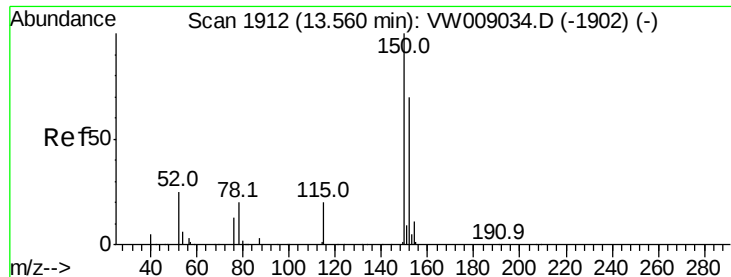
Tgt Ion:106 Resp: 665164

Ion Ratio Lower Upper

106 100

91 221.1 108.6 325.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

OILY-SOIL

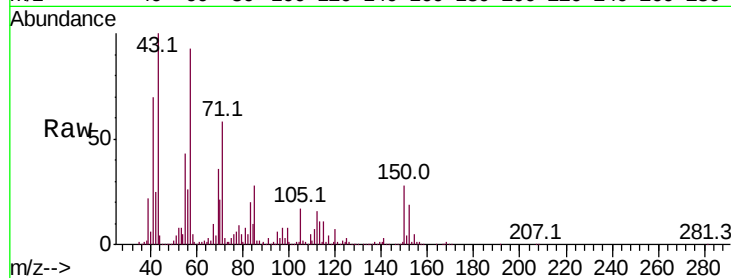
Tot Ion:152 Resp: 219213

Ion Ratio Lower Upper

152 100

115 0.0 28.9 86.7#

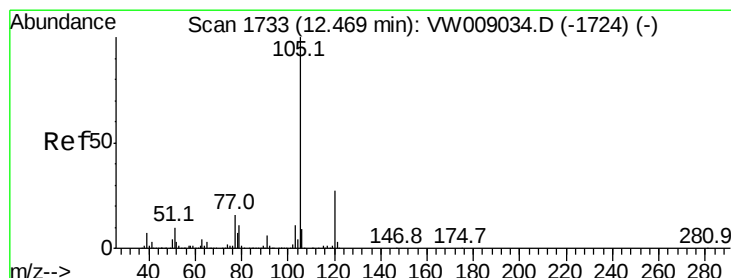
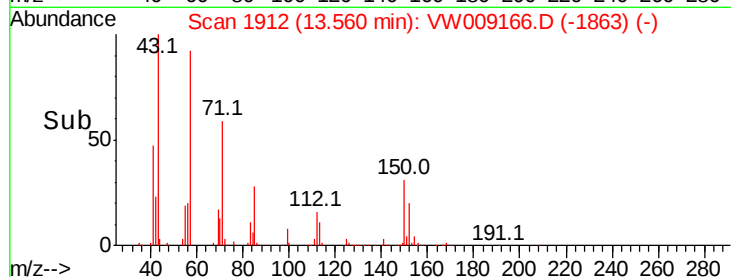
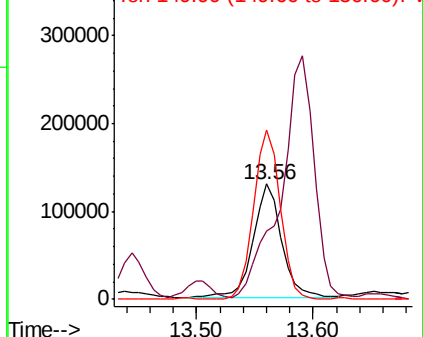
150 140.0 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 17.585 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009166.D

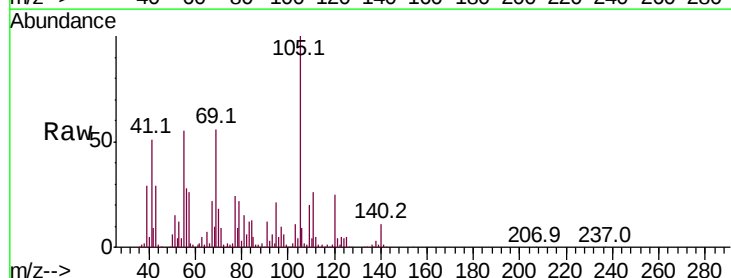
Acq: 13 Mar 2019 20:03

Tgt Ion:105 Resp: 276056

Ion Ratio Lower Upper

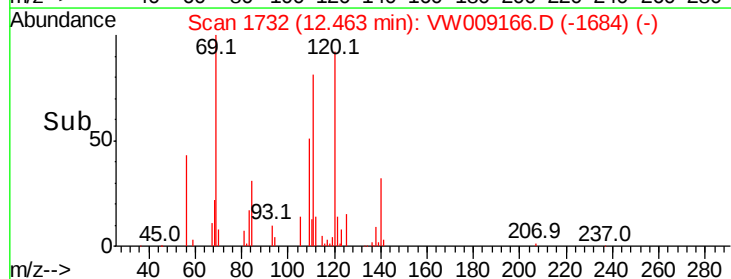
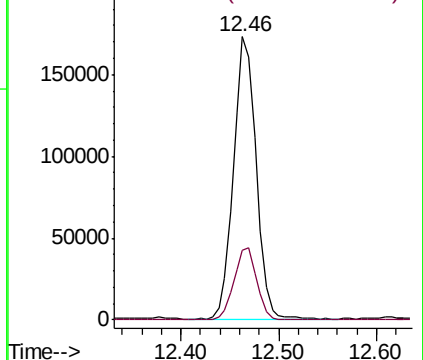
105 100

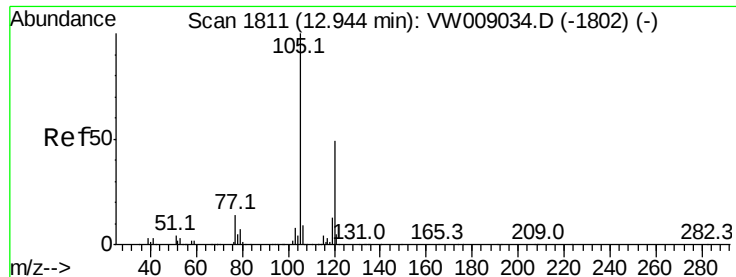
120 25.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 731.220 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

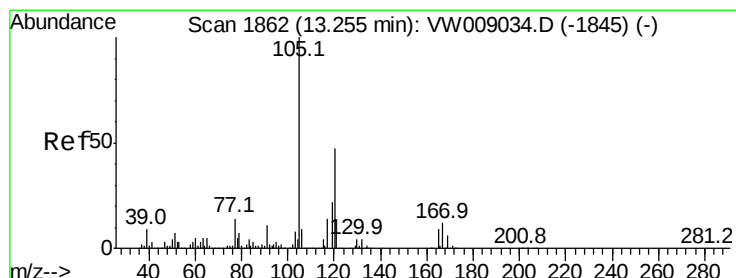
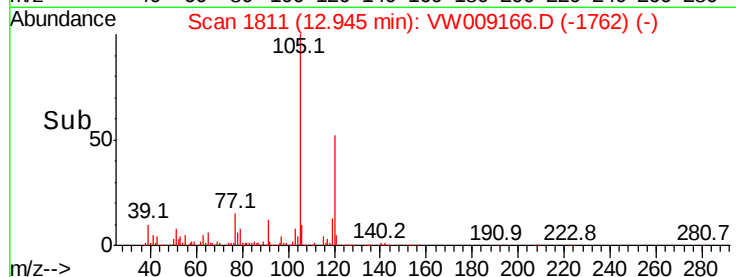
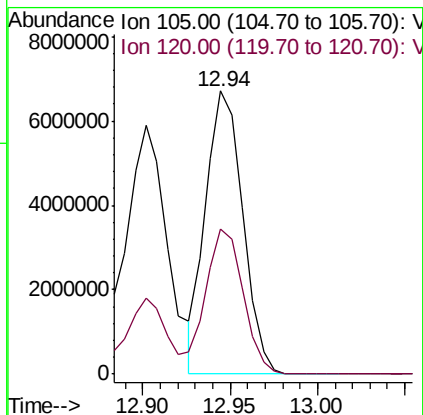
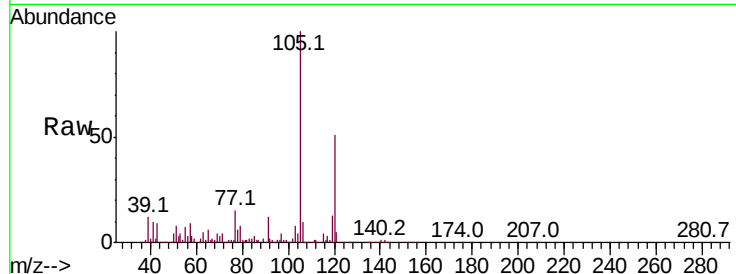
OILY-SOIL

Tot Ion:105 Resp: 9894537

Ion Ratio Lower Upper

105 100

120 52.5 24.4 73.2



#84

1,2,4-Trimethylbenzene

Concen: 370.888 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW009166.D

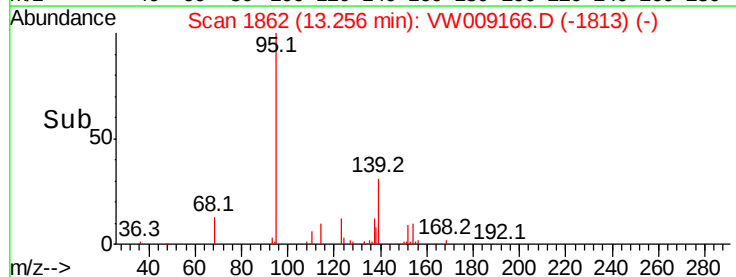
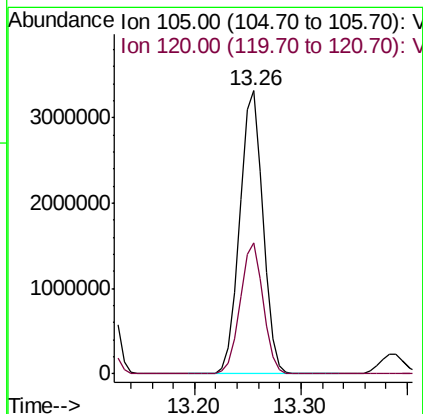
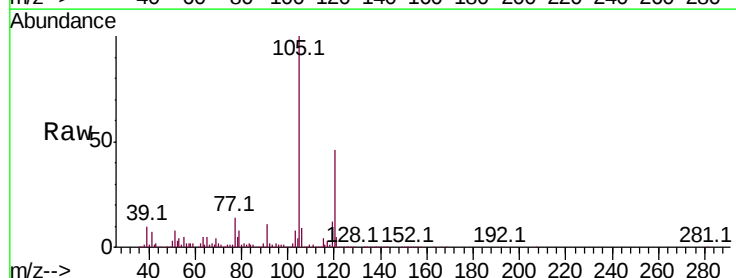
Acq: 13 Mar 2019 20:03

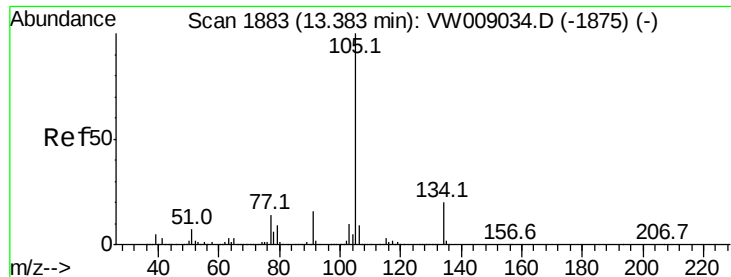
Tgt Ion:105 Resp: 5076805

Ion Ratio Lower Upper

105 100

120 45.8 22.8 68.4





#85

sec-Butylbenzene

Concen: 22.003 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

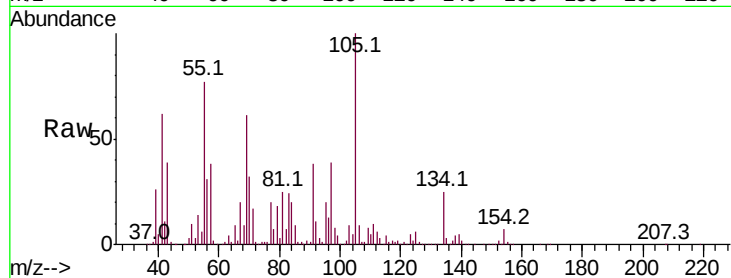
OILY-SOIL

Tot Ion:105 Resp: 372040

Ion Ratio Lower Upper

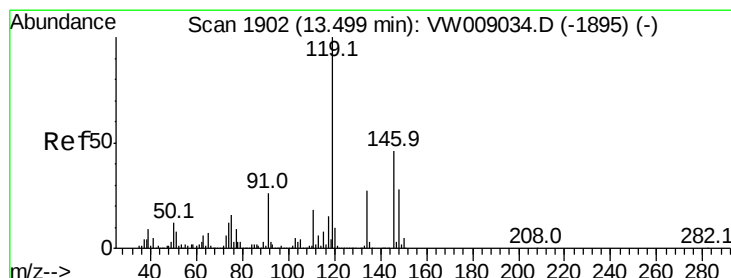
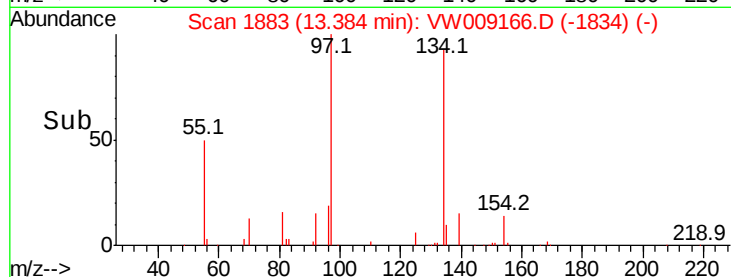
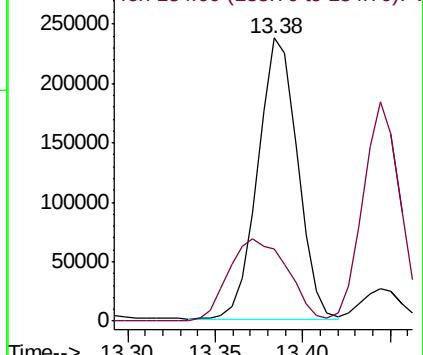
105 100

134 43.9 10.0 30.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 28.231 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009166.D

Acq: 13 Mar 2019 20:03

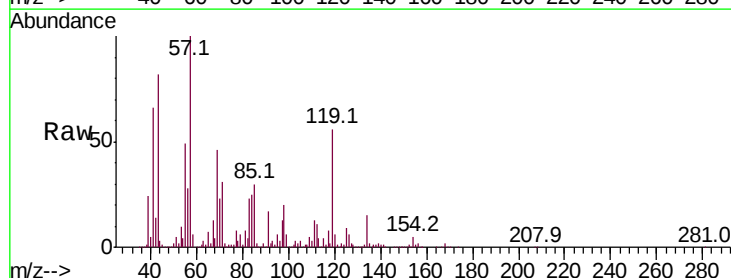
Tgt Ion:119 Resp: 427028

Ion Ratio Lower Upper

119 100

134 25.4 13.3 39.9

91 27.9 12.3 36.9



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

