

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112118\
 Data File : VD060446.D
 Acq On : 21 Nov 2018 16:57
 Operator : JC/SY
 Sample : J6024-01
 Misc : 6.95g/5ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PS-SOIL

Quant Time: Nov 26 12:19:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1013483	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	1381017	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	818910	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	179469	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	475818	65.57	ug/l	-0.01
Spiked Amount 50.000			Recovery =	131.14%		
35) Dibromofluoromethane	6.32	113	422728	41.05	ug/l	-0.01
Spiked Amount 50.000			Recovery =	82.10%		
50) Toluene-d8	9.45	98	1515747	50.29	ug/l	-0.01
Spiked Amount 50.000			Recovery =	100.58%		
62) 4-Bromofluorobenzene	12.43	95	300035	27.47	ug/l	-0.01
Spiked Amount 50.000			Recovery =	54.94%		

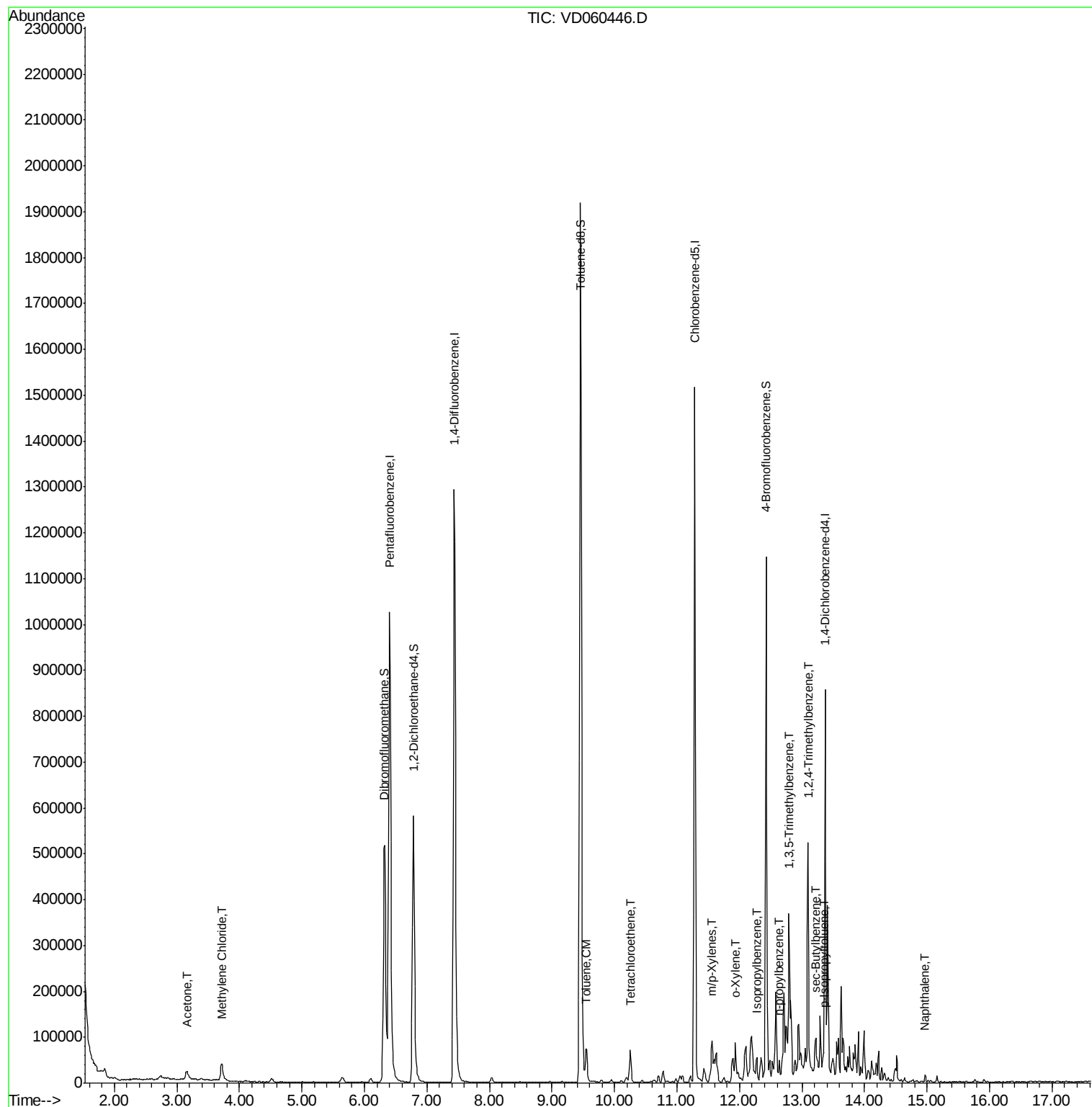
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.17	43	45744	36.34	ug/l	97
20) Methylene Chloride	3.73	84	23527	2.11	ug/l	98
52) Toluene	9.55	92	36546	1.64	ug/l	98
64) Tetrachloroethene	10.25	164	20579	2.81	ug/l	96
68) m/p-Xylenes	11.56	106	23006	2.05	ug/l	86
69) o-Xylene	11.93	106	14163	1.31	ug/l	99
73) Isopropylbenzene	12.28	105	17361	1.33	ug/l	95
78) n-propylbenzene	12.63	91	28604	1.75	ug/l	90
80) 1,3,5-Trimethylbenzene	12.79	105	139188	13.70	ug/l	96
84) 1,2,4-Trimethylbenzene	13.10	105	208867	20.58	ug/l	95
85) sec-Butylbenzene	13.22	105	27856	2.01	ug/l	100
86) p-Isopropyltoluene	13.34	119	20661	1.85	ug/l	94
95) Naphthalene	14.96	128	10465	2.13	ug/l	99

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

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Misc : 6.95g/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PS-SOIL

Quant Time: Nov 26 12:19:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060446.D

Acq: 21 Nov 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

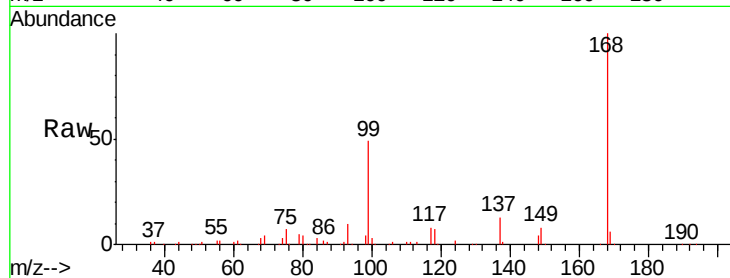
PS-SOIL

Tgt Ion:168 Resp: 1013483

Ion Ratio Lower Upper

168 100

99 48.5 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

400000

300000

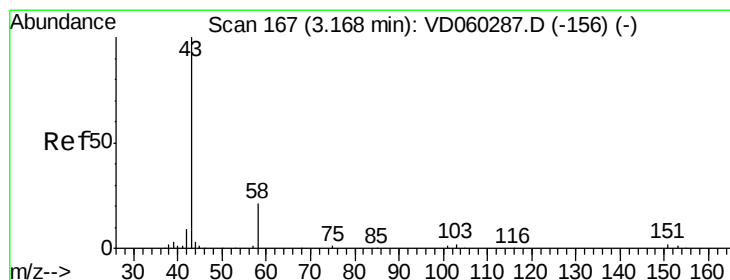
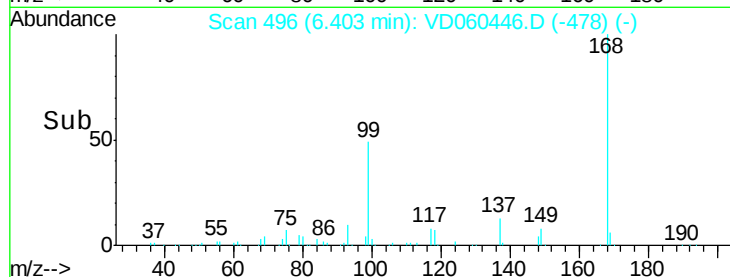
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#16

Acetone

Concen: 36.34 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060446.D

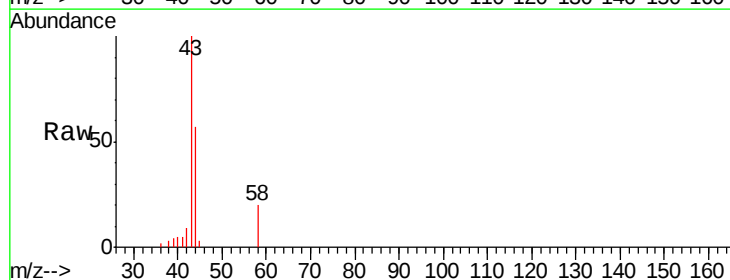
Acq: 21 Nov 2018 16:57

Tgt Ion: 43 Resp: 45744

Ion Ratio Lower Upper

43 100

58 19.5 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.17

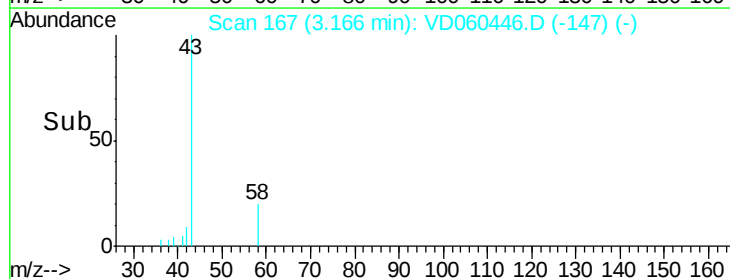
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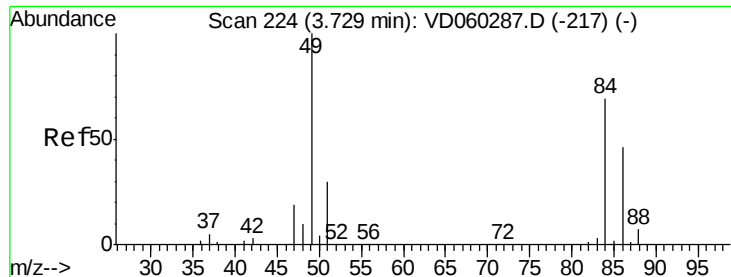
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0

3.00 3.10 3.20 3.30

Time-->

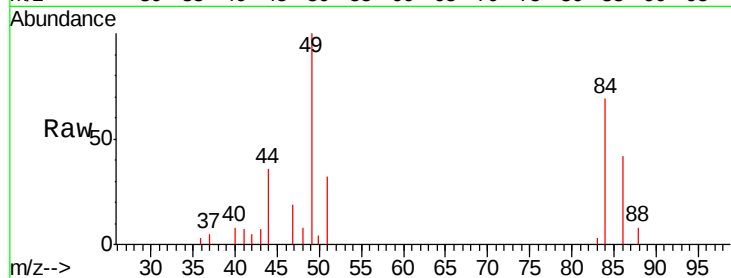




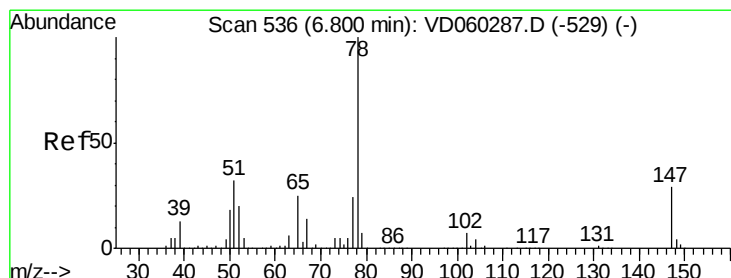
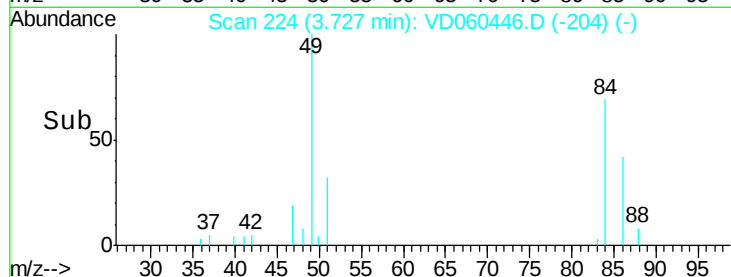
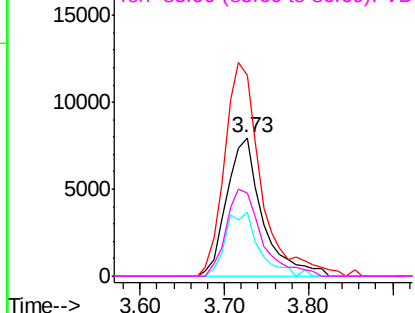
#20
Methylene Chloride
Concen: 2.11 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060446.D
Acq: 21 Nov 2018 16:57

Instrument :
MSVOA_D
ClientSampleId :
PS-SOIL

Tgt Ion: 84 Resp: 23527
Ion Ratio Lower Upper
84 100
49 144.3 115.6 173.4
51 46.5 35.6 53.4
86 60.0 52.3 78.5

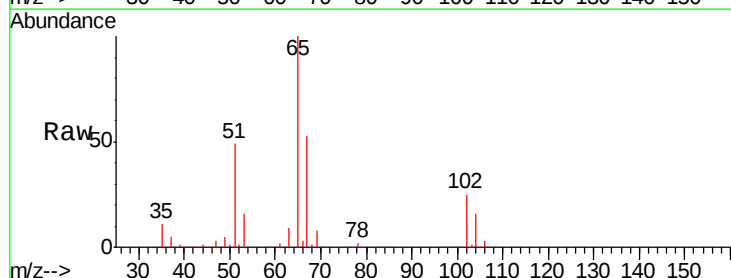


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

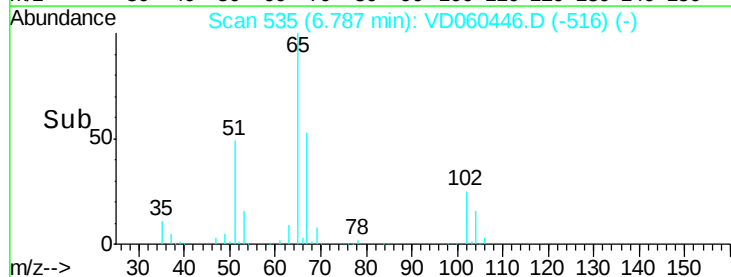
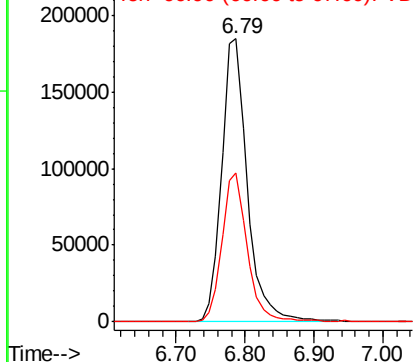


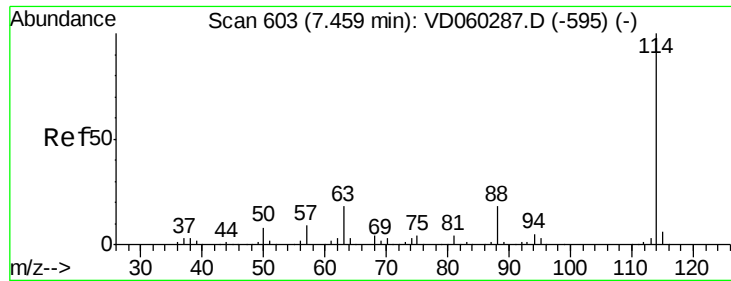
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.01 min
Lab File: VD060446.D
Acq: 21 Nov 2018 16:57

Tgt Ion: 65 Resp: 475818
Ion Ratio Lower Upper
65 100
67 52.8 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

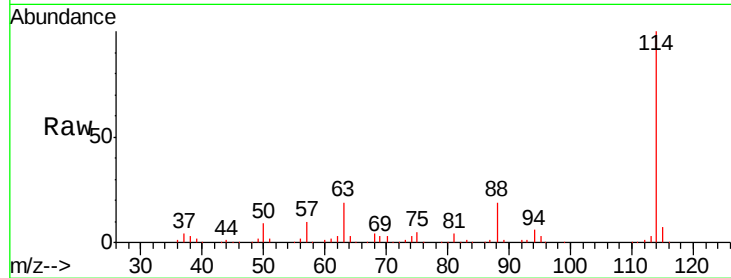




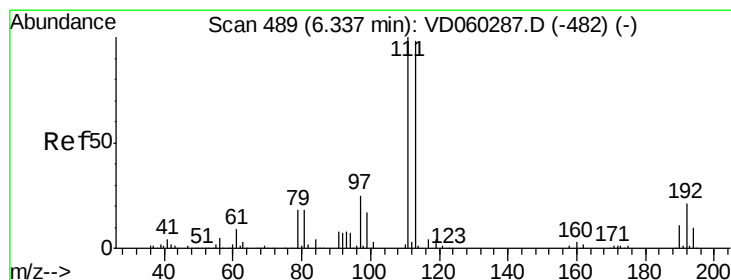
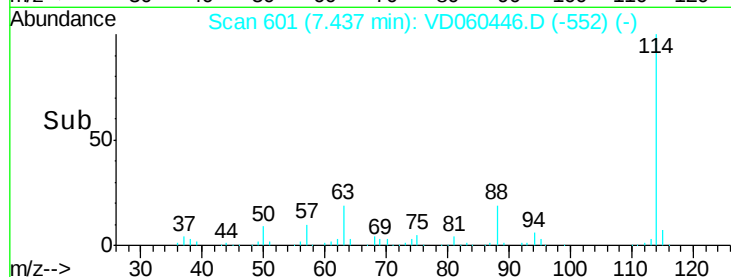
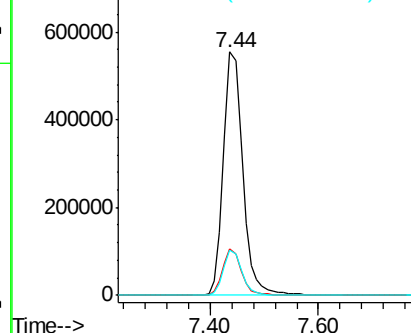
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: VD060446.D
 Acq: 21 Nov 2018 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 PS-SOIL

Tgt Ion:114 Resp: 1381017
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 34.0
 88 18.7 0.0 35.4

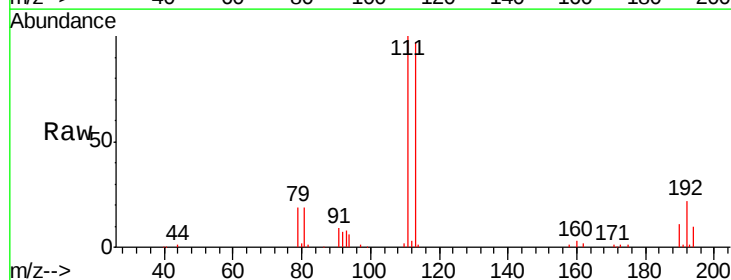


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

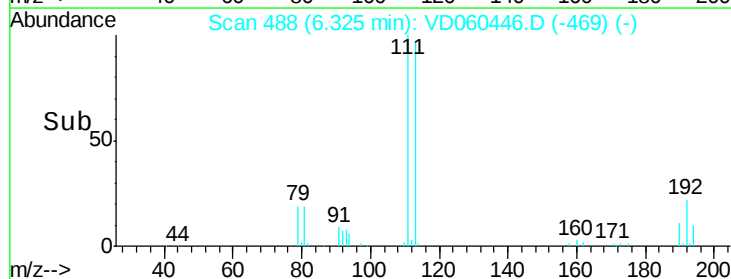
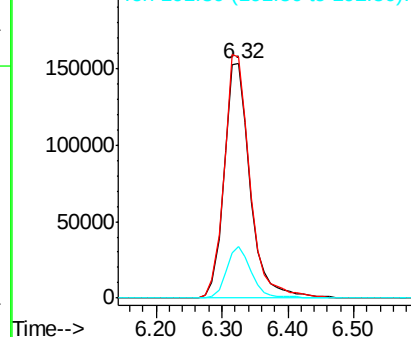


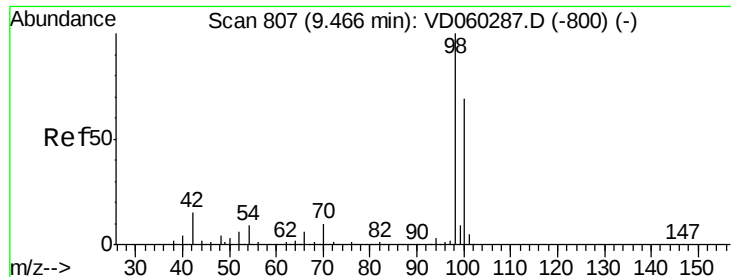
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.32 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060446.D
 Acq: 21 Nov 2018 16:57

Tgt Ion:113 Resp: 422728
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.6 122.4
 192 22.2 16.5 24.7



Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.45 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD060446.D

Acq: 21 Nov 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

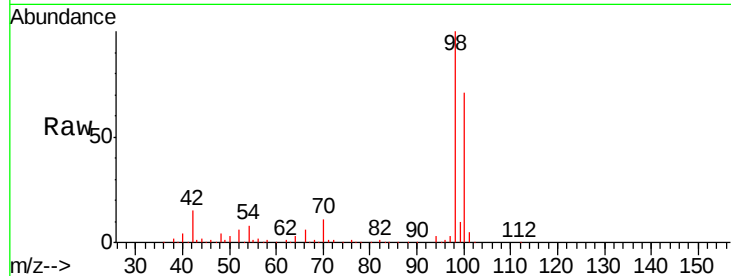
PS-SOIL

Tgt Ion: 98 Resp: 1515747

Ion Ratio Lower Upper

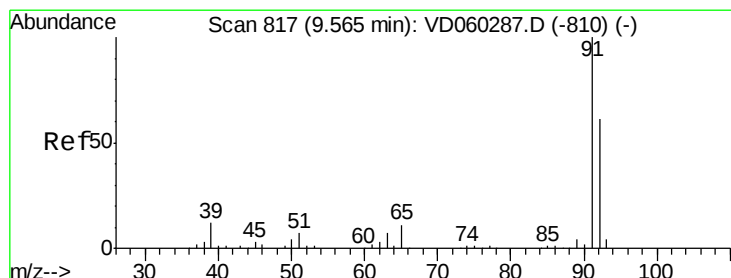
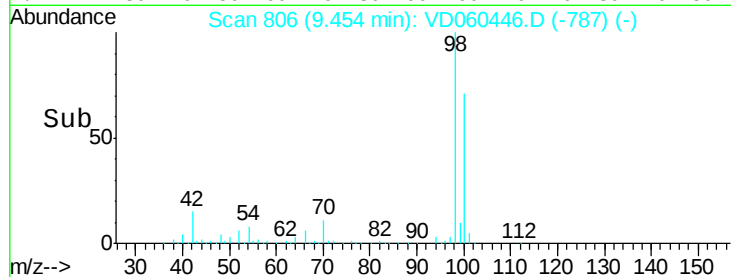
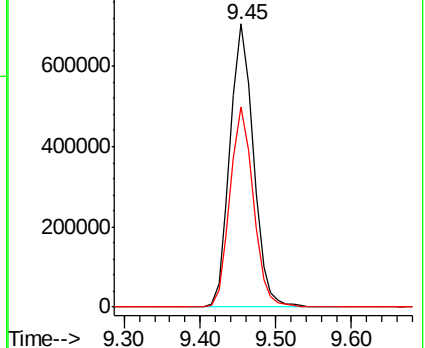
98 100

100 70.6 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#52

Toluene

Concen: 1.64 ug/l

RT: 9.55 min Scan# 816

Delta R.T. -0.01 min

Lab File: VD060446.D

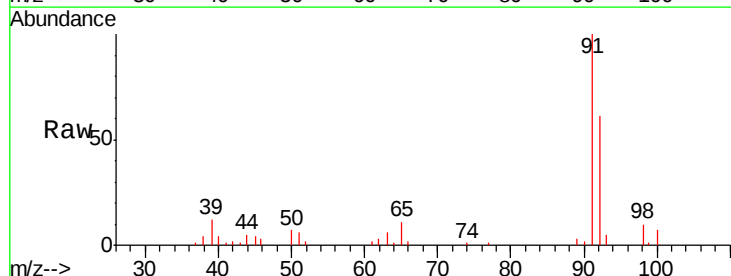
Acq: 21 Nov 2018 16:57

Tgt Ion: 92 Resp: 36546

Ion Ratio Lower Upper

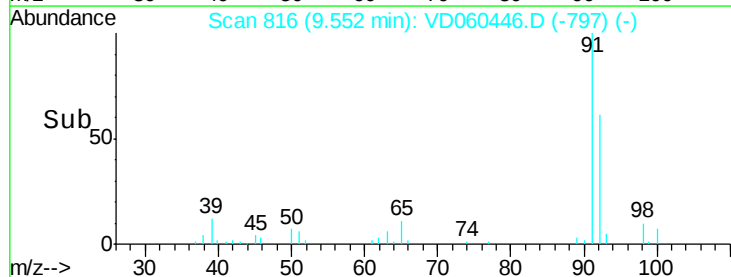
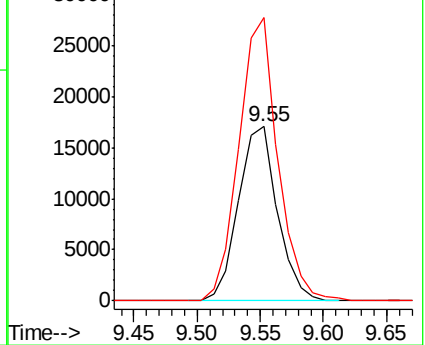
92 100

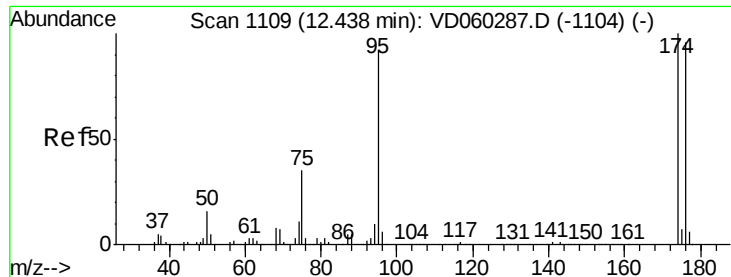
91 162.7 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060446.D

Acq: 21 Nov 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

PS-SOIL

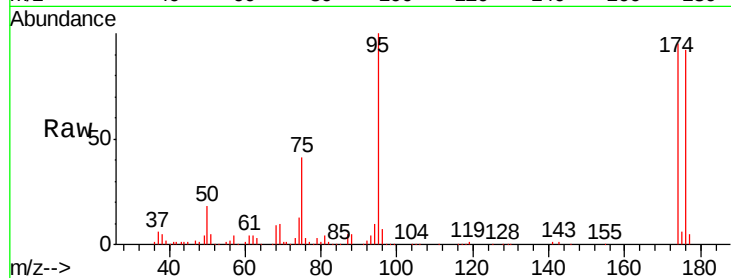
Tgt Ion: 95 Resp: 300035

Ion Ratio Lower Upper

95 100

174 95.0 0.0 160.8

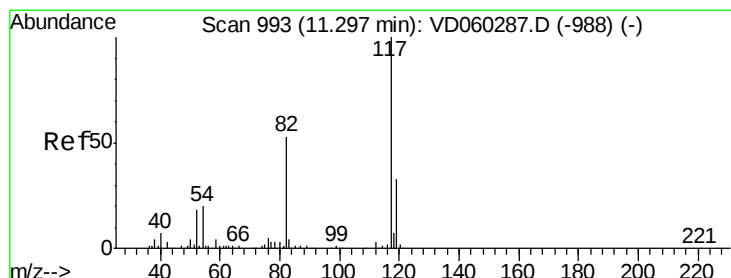
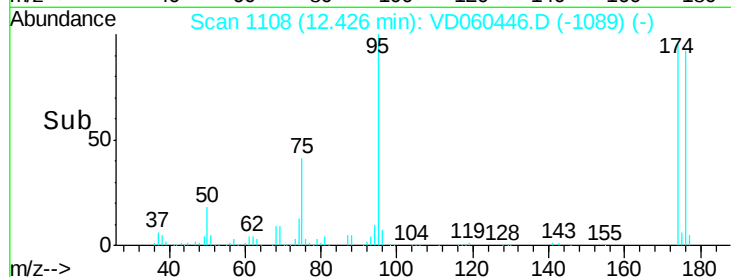
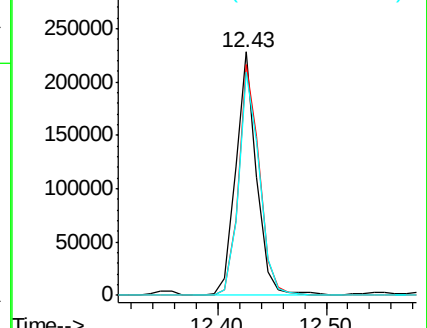
176 91.8 0.0 154.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.28 min Scan# 992

Delta R.T. -0.01 min

Lab File: VD060446.D

Acq: 21 Nov 2018 16:57

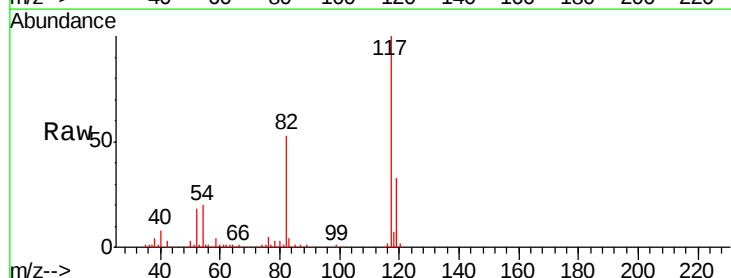
Tgt Ion: 117 Resp: 818910

Ion Ratio Lower Upper

117 100

82 53.2 43.7 65.5

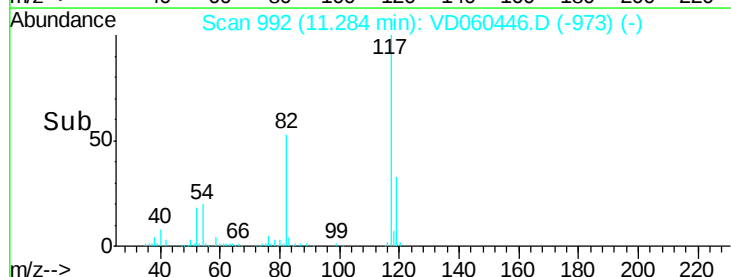
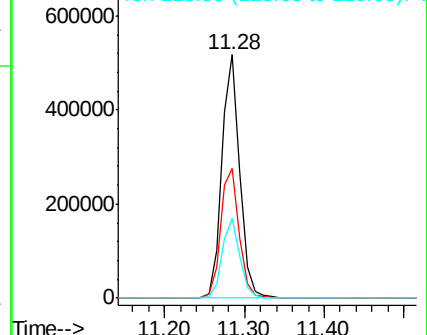
119 32.9 26.1 39.1

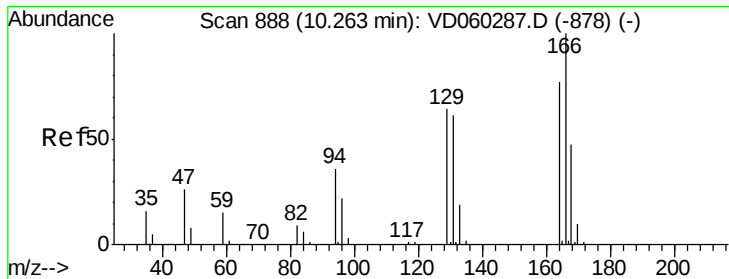


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

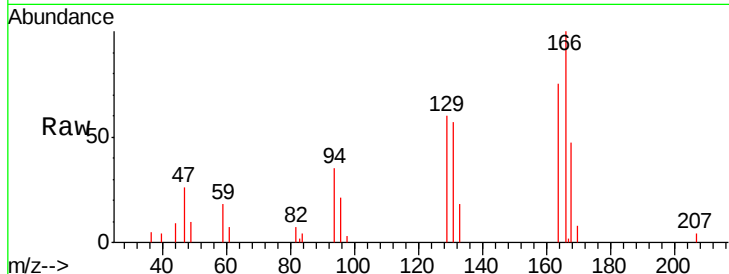




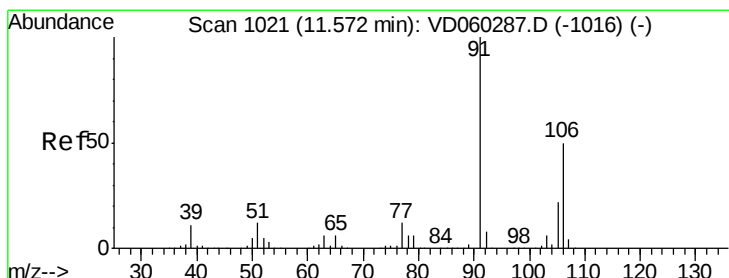
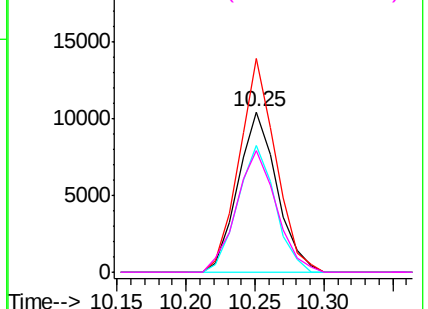
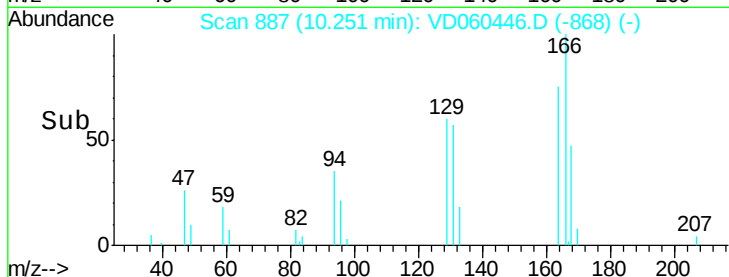
#64
Tetrachloroethene
Concen: 2.81 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060446.D
Acq: 21 Nov 2018 16:57

Instrument :
MSVOA_D
ClientSampleId :
PS-SOIL

Tgt Ion:164 Resp: 20579
Ion Ratio Lower Upper
164 100
166 133.0 103.7 155.5
129 79.2 65.6 98.4
131 75.6 64.4 96.6

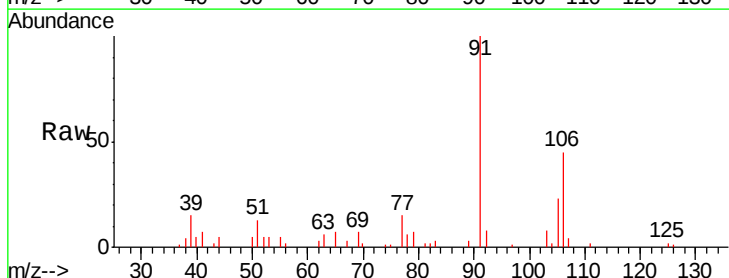


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

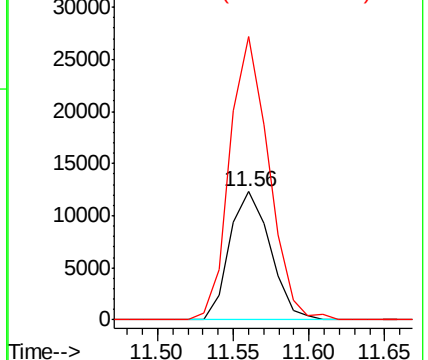
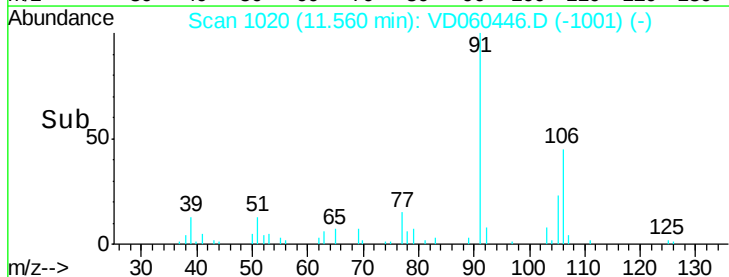


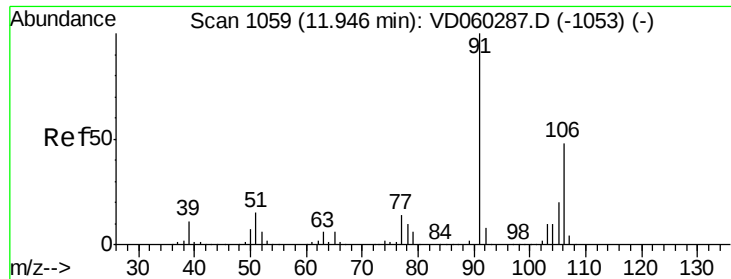
#68
m/p-Xylenes
Concen: 2.05 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD060446.D
Acq: 21 Nov 2018 16:57

Tgt Ion:106 Resp: 23006
Ion Ratio Lower Upper
106 100
91 221.1 159.4 239.2



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

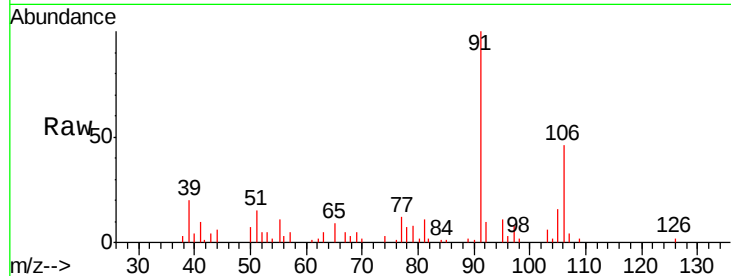




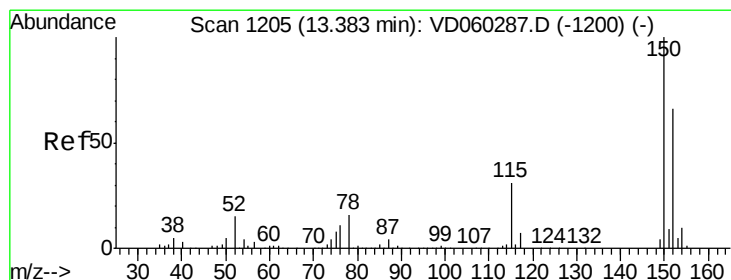
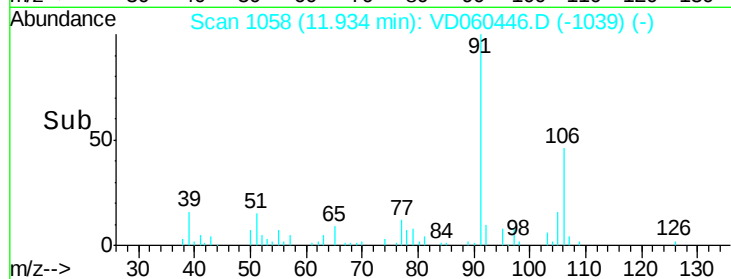
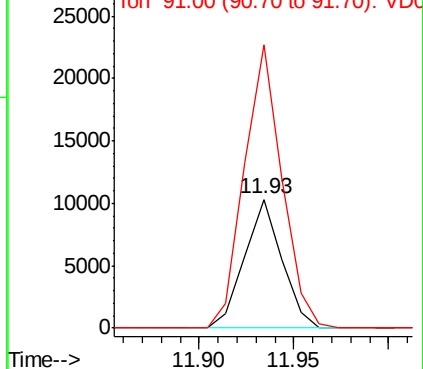
#69
o-Xylene
Concen: 1.31 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060446.D
Acq: 21 Nov 2018 16:57

Instrument :
MSVOA_D
ClientSampled :
PS-SOIL

Tgt Ion:106 Resp: 14163
Ion Ratio Lower Upper
106 100
91 219.5 109.2 327.6

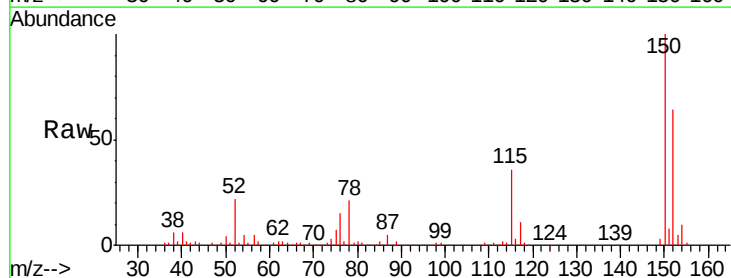


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

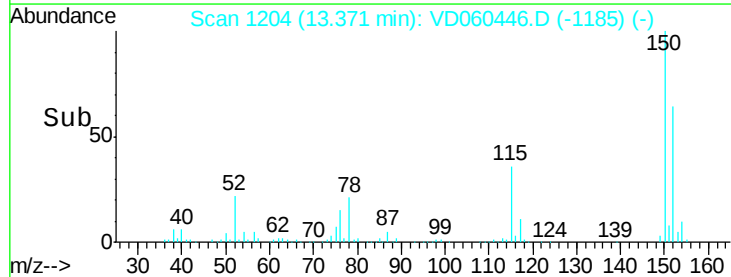
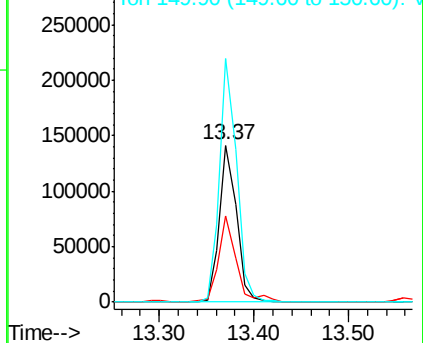


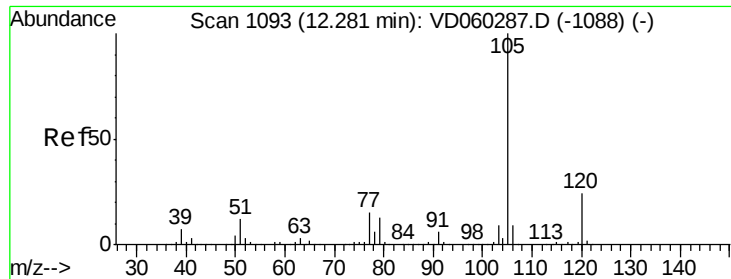
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060446.D
Acq: 21 Nov 2018 16:57

Tgt Ion:152 Resp: 179469
Ion Ratio Lower Upper
152 100
115 55.2 24.1 72.3
150 155.3 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.33 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VD060446.D

Acq: 21 Nov 2018 16:57

Instrument :

MSVOA_D

ClientSampleID :

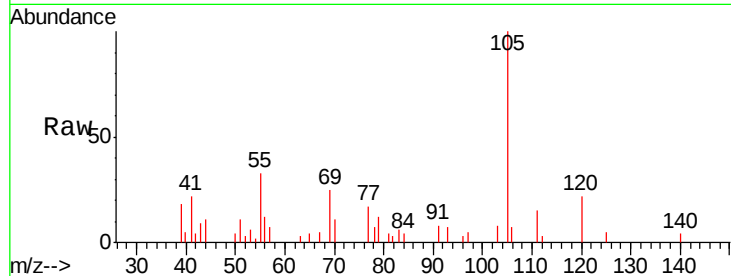
PS-SOIL

Tgt Ion: 105 Resp: 17361

Ion Ratio Lower Upper

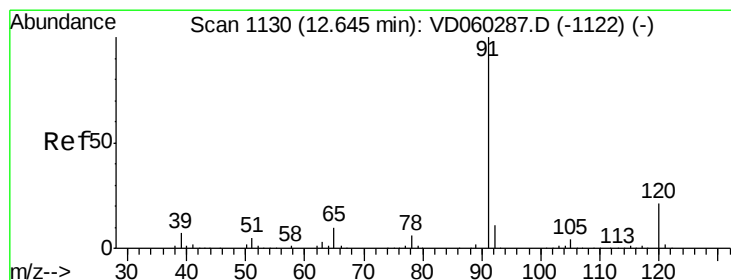
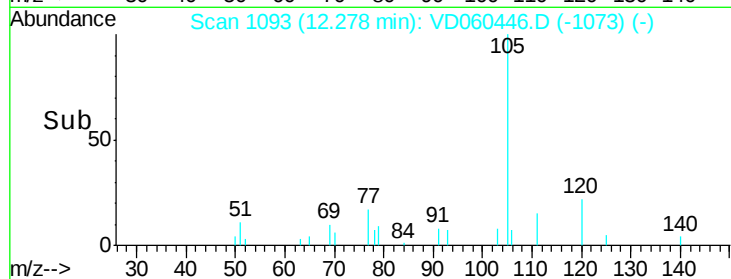
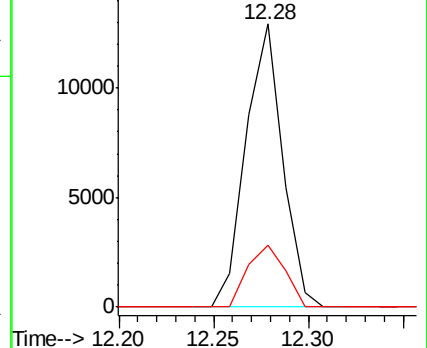
105 100

120 21.9 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#78

n-propylbenzene

Concen: 1.75 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VD060446.D

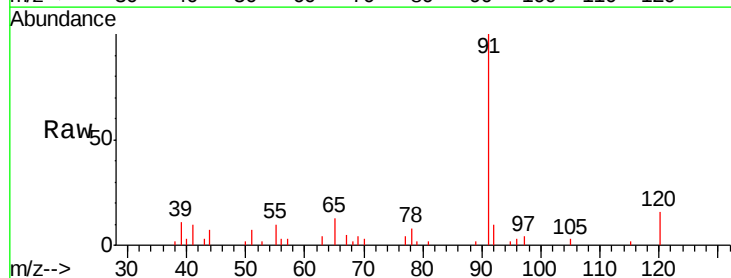
Acq: 21 Nov 2018 16:57

Tgt Ion: 91 Resp: 28604

Ion Ratio Lower Upper

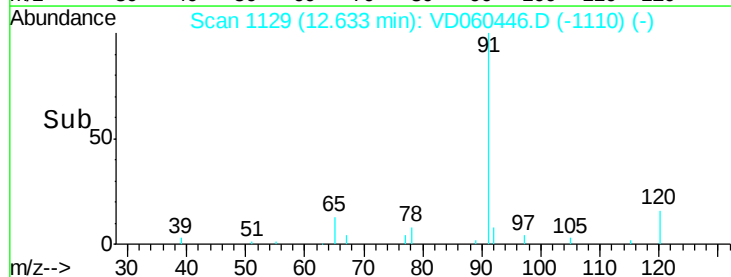
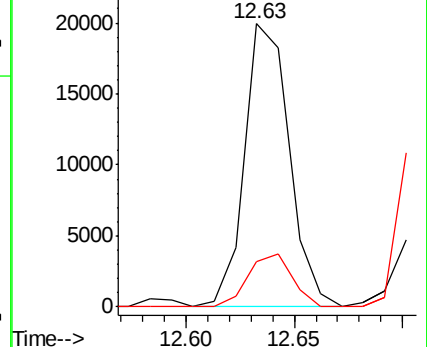
91 100

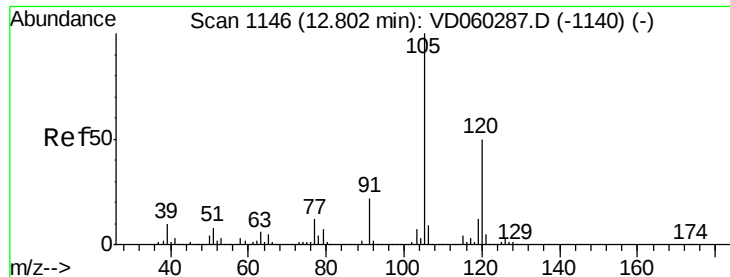
120 16.2 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#80

1,3,5-Trimethylbenzene

Concen: 13.70 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VD060446.D

Acq: 21 Nov 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

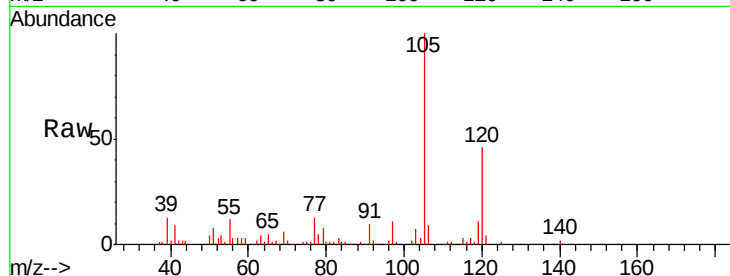
PS-SOIL

Tgt Ion:105 Resp: 139188

Ion Ratio Lower Upper

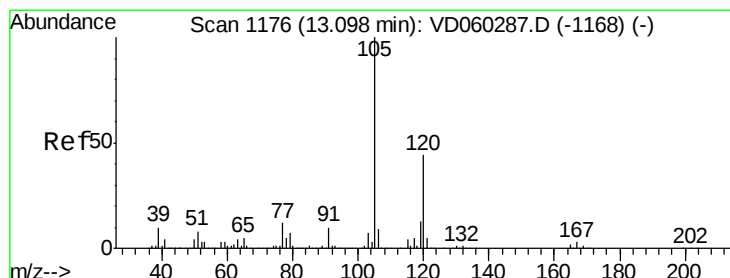
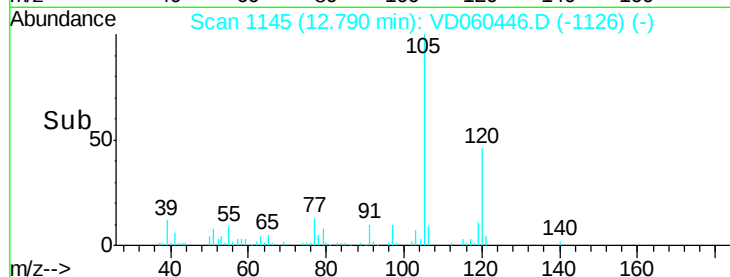
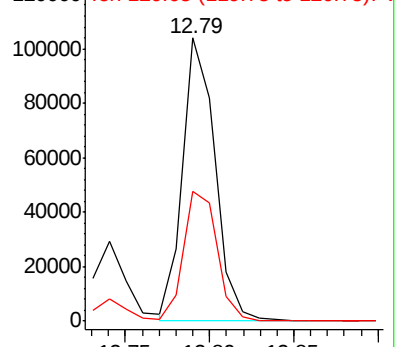
105 100

120 45.9 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#84

1,2,4-Trimethylbenzene

Concen: 20.58 ug/l

RT: 13.10 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VD060446.D

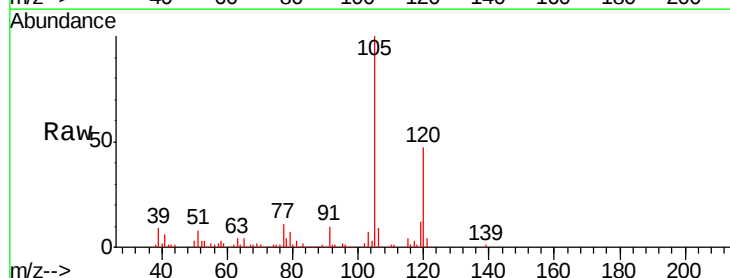
Acq: 21 Nov 2018 16:57

Tgt Ion:105 Resp: 208867

Ion Ratio Lower Upper

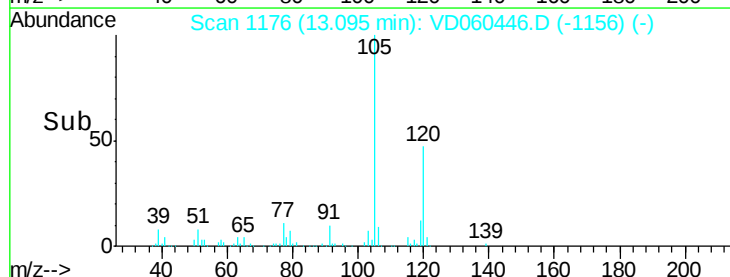
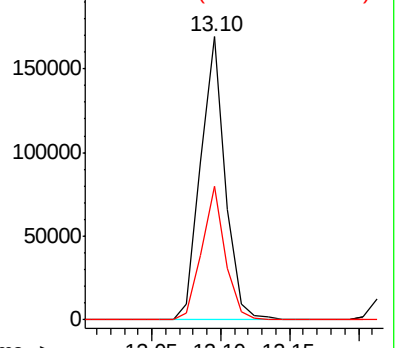
105 100

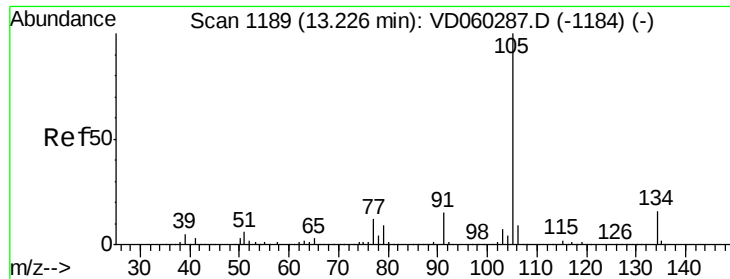
120 47.1 21.9 65.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

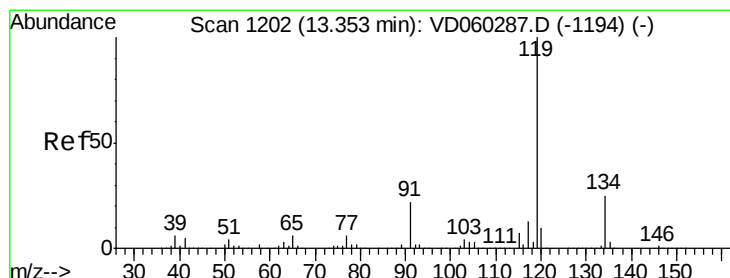
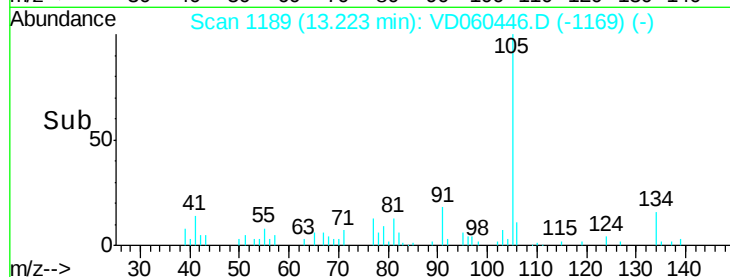
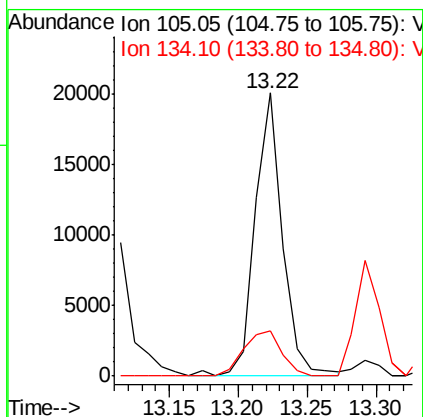
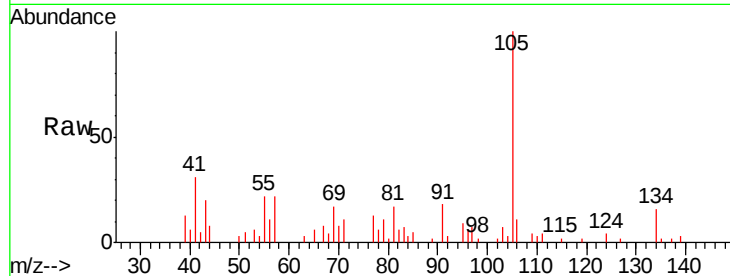




#85
 sec-Butylbenzene
 Concen: 2.01 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VD060446.D
 Acq: 21 Nov 2018 16:57

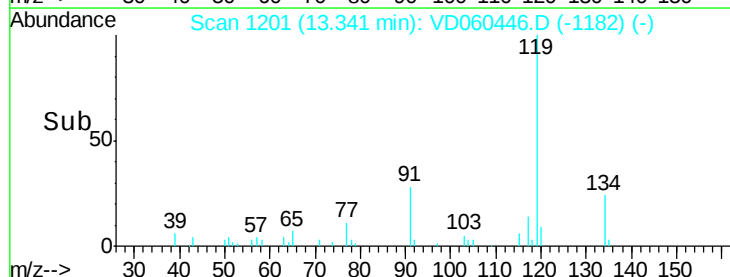
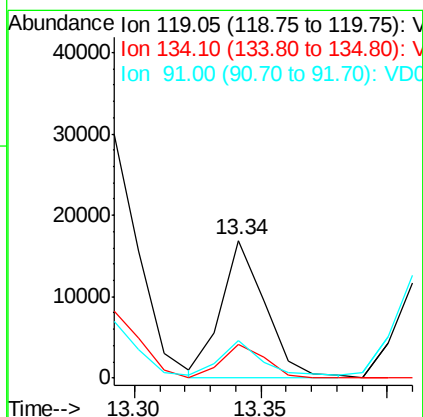
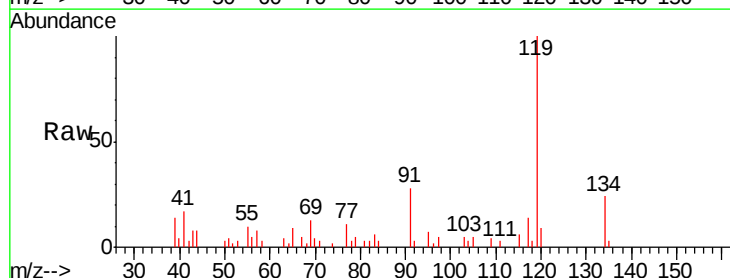
Instrument :
 MSVOA_D
 ClientSampleId :
 PS-SOIL

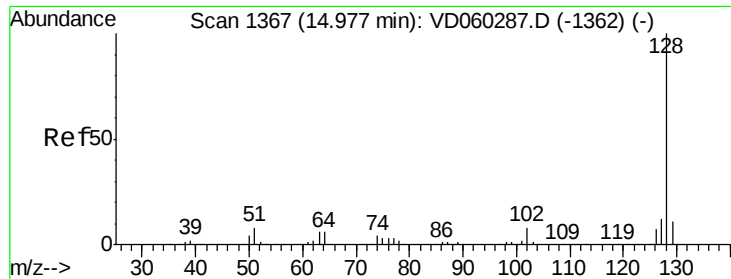
Tgt Ion:105 Resp: 27856
 Ion Ratio Lower Upper
 105 100
 134 16.2 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 1.85 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060446.D
 Acq: 21 Nov 2018 16:57

Tgt Ion:119 Resp: 20661
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.9 38.6
 91 27.6 11.3 33.8





#95

Naphthalene

Concen: 2.13 ug/l

RT: 14.96 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VD060446.D

Acq: 21 Nov 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

PS-SOIL

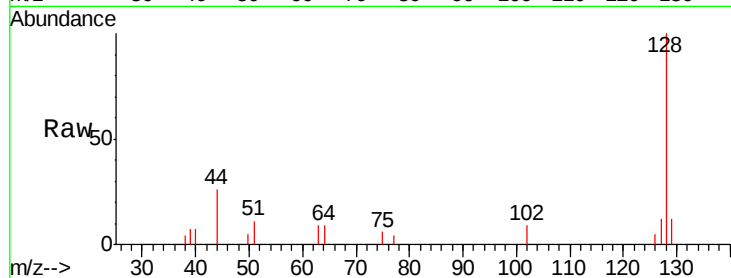
Tgt Ion:128 Resp: 10465

Ion Ratio Lower Upper

128 100

127 12.0 9.6 14.4

129 11.7 8.6 12.8



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

