

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122218\
 Data File : VD060707.D
 Acq On : 22 Dec 2018 14:29
 Operator : VA/AP
 Sample : J6500-02
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Dec 24 02:19:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

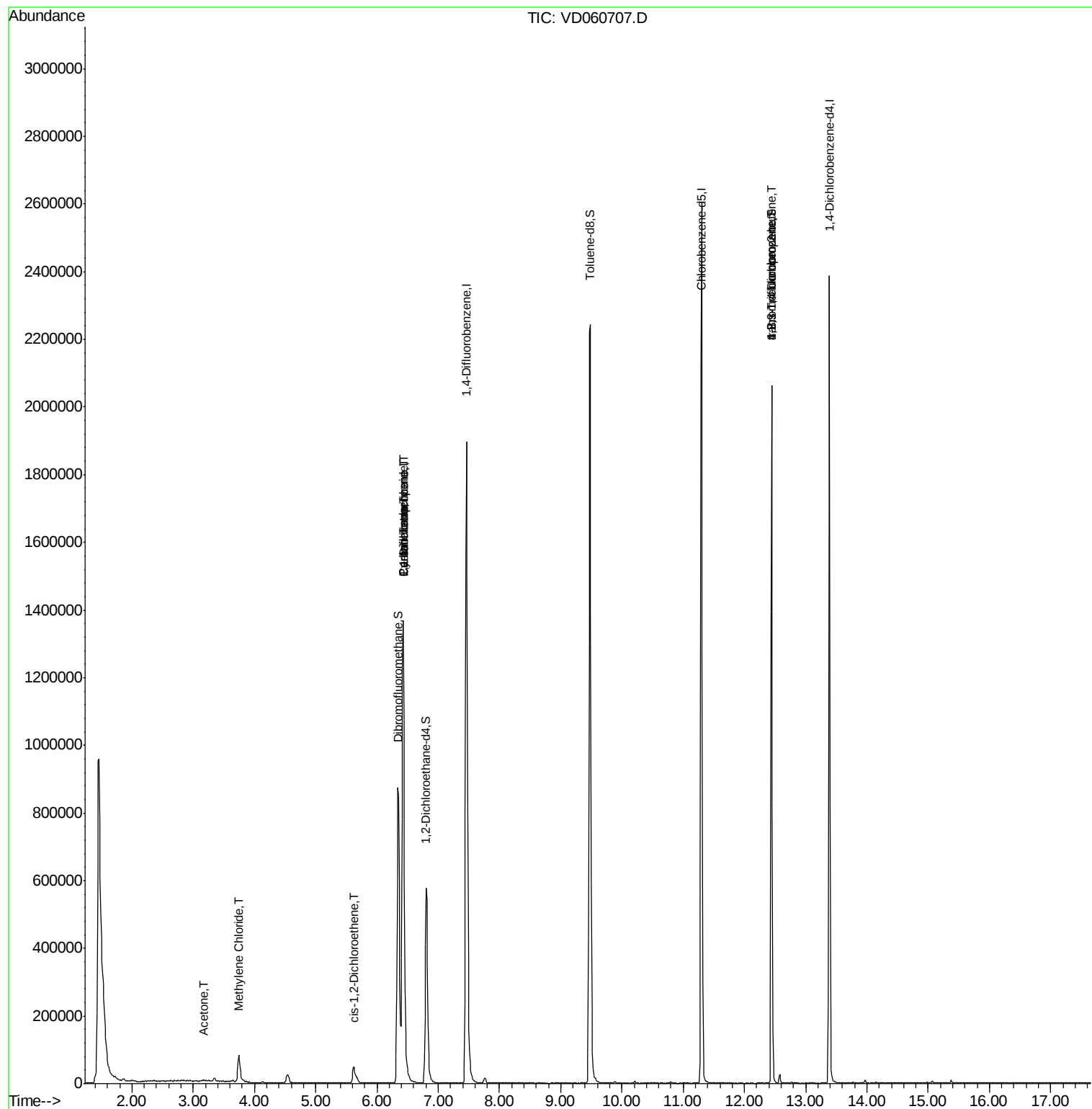
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1377715	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.46	114	2010837	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.30	117	1414557	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.39	152	554920	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.80	65	495591	52.05	ug/l	0.01
Spiked Amount 50.000			Recovery	=	104.10%	
35) Dibromofluoromethane	6.34	113	708674	48.15	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.30%	
50) Toluene-d8	9.48	98	1901430	43.30	ug/l	0.02
Spiked Amount 50.000			Recovery	=	86.60%	
62) 4-Bromofluorobenzene	12.44	95	559193	36.36	ug/l	0.02
Spiked Amount 50.000			Recovery	=	72.72%	
Target Compounds						
					Qvalue	
16) Acetone	3.18	43	7205	4.333	ug/l #	87
20) Methylene Chloride	3.74	84	52153	3.020	ug/l	94
27) cis-1,2-Dichloroethene	5.61	96	31445	1.984	ug/l	83
31) Cyclohexane	6.43	56	26651	1.108	ug/l #	1
36) 1,1-Dichloropropene	6.43	75	98090	4.737	ug/l #	45
38) Carbon Tetrachloride	6.43	117	106483	5.829	ug/l #	15
76) 1,2,3-Trichloropropane	12.44	75	225966	35.767	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.44	75	226683	129.850	ug/l #	13

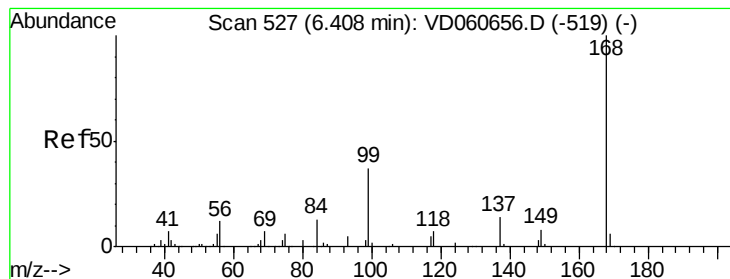
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122218\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 529

Delta R.T. 0.02 min

Lab File: VD060707.D

Acq: 22 Dec 2018 14:29

Instrument :

MSVOA_D

ClientSampleId :

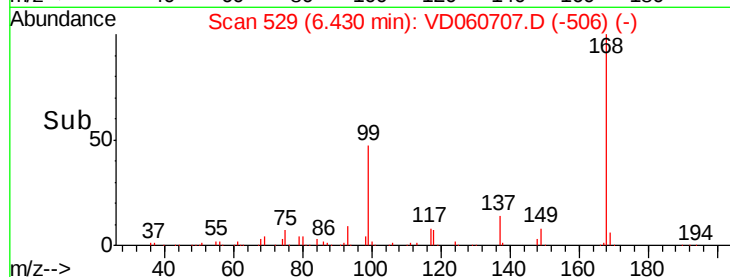
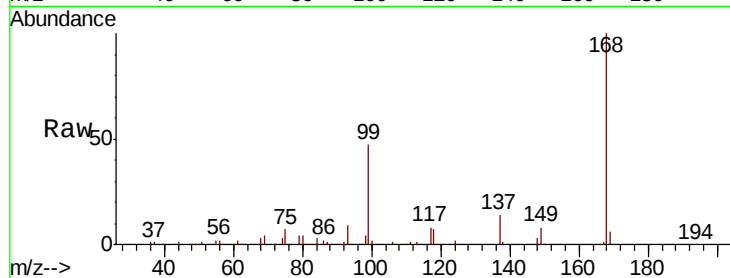
SOIL-CUTTINGS

Tot Ion:168 Resp: 1377715

Ion Ratio Lower Upper

168 100

99 46.6 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.43

500000

400000

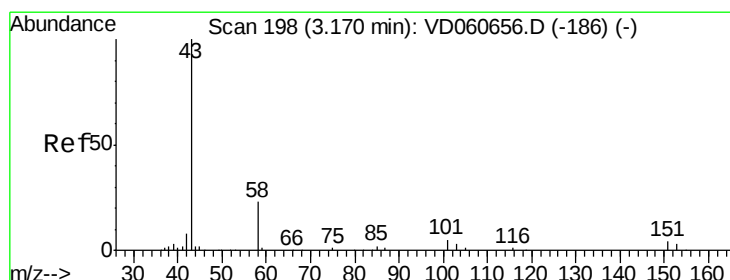
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 4.333 ug/l

RT: 3.18 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD060707.D

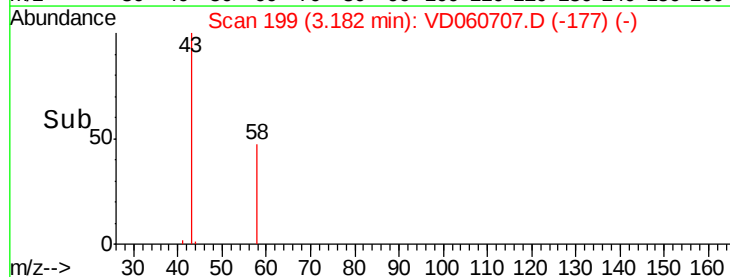
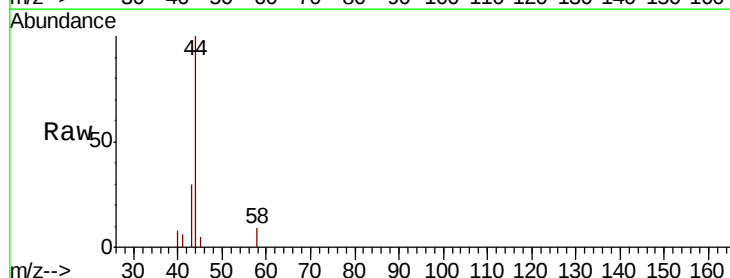
Acq: 22 Dec 2018 14:29

Tgt Ion: 43 Resp: 7205

Ion Ratio Lower Upper

43 100

58 28.8 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.18

2000

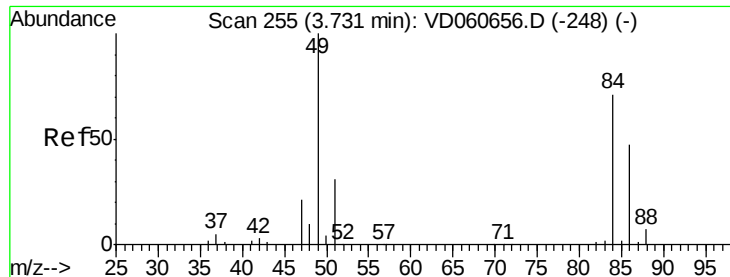
1500

1000

500

0

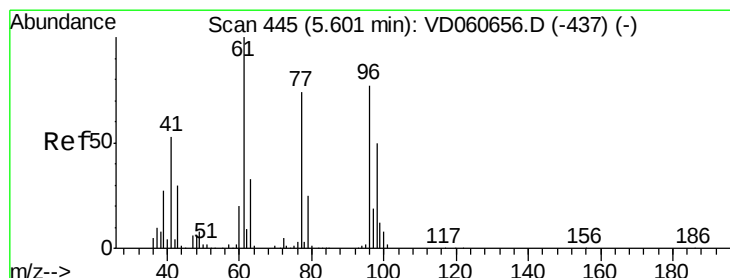
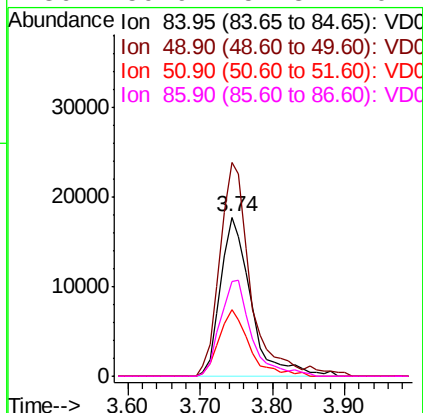
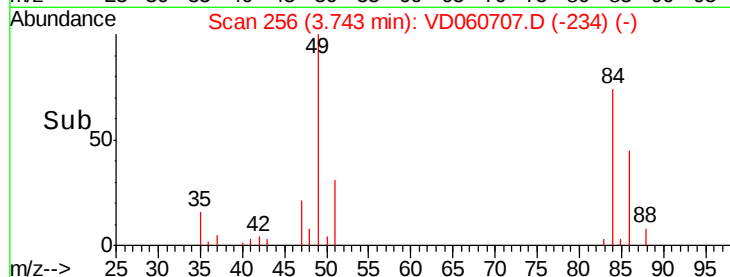
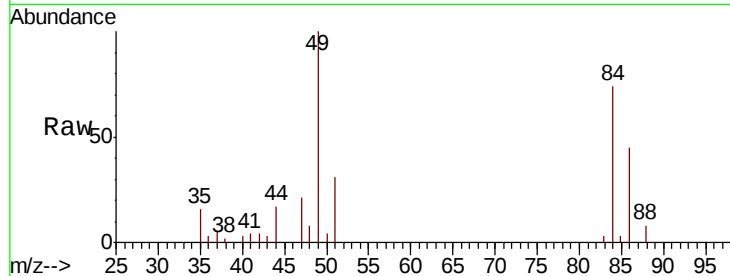
Time-->



#20
Methvlene Chloride
Concen: 3.020 ug/l
RT: 3.74 min Scan# 256
Delta R.T. 0.01 min
Lab File: VD060707.D
Acq: 22 Dec 2018 14:29

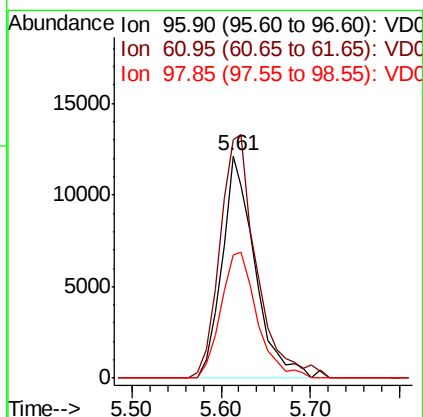
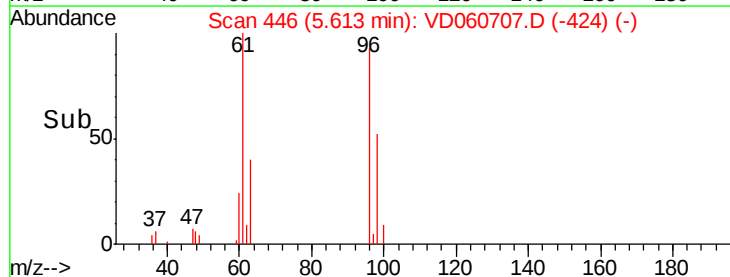
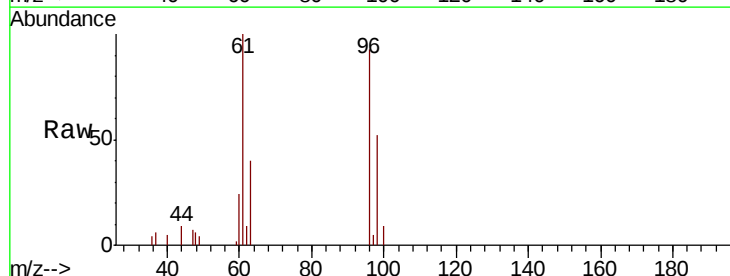
Instrument :
MSVOA_D
ClientSampleId :
SOIL-CUTTINGS

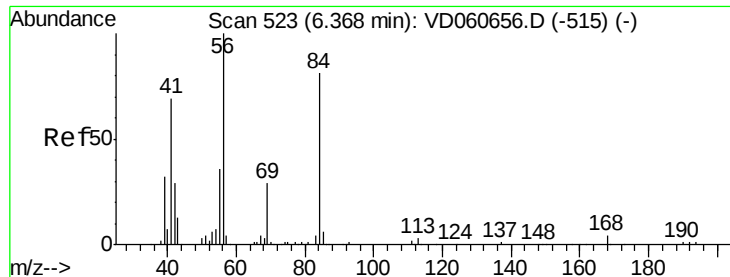
Tot Ion: 84 Resp: 52153
Ion Ratio Lower Upper
84 100
49 134.4 113.6 170.4
51 42.0 34.7 52.1
86 59.9 52.8 79.2



#27
cis-1,2-Dichloroethene
Concen: 1.984 ug/l
RT: 5.61 min Scan# 446
Delta R.T. 0.01 min
Lab File: VD060707.D
Acq: 22 Dec 2018 14:29

Tgt Ion: 96 Resp: 31445
Ion Ratio Lower Upper
96 100
61 107.1 0.0 259.4
98 55.8 0.0 130.0

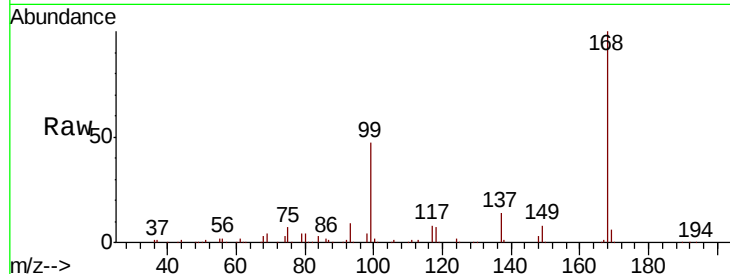




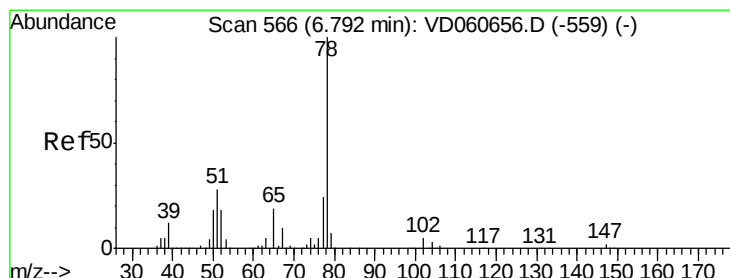
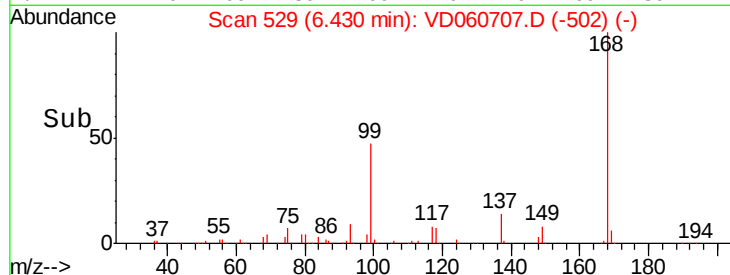
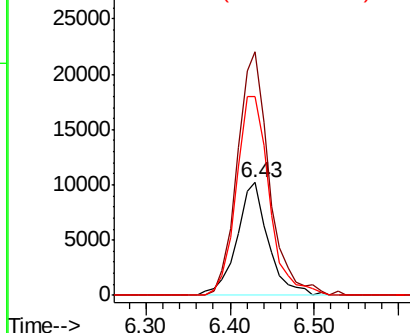
#31
Cyclohexane
Concen: 1.108 ug/l
RT: 6.43 min Scan# 529
Delta R.T. 0.06 min
Lab File: VD060707.D
Acq: 22 Dec 2018 14:29

Instrument :
MSVOA_D
ClientSampleId :
SOIL-CUTTINGS

Tot Ion	Ratio	Lower	Upper
56	100		
69	216.3	23.6	35.4#
84	177.0	65.8	98.6#

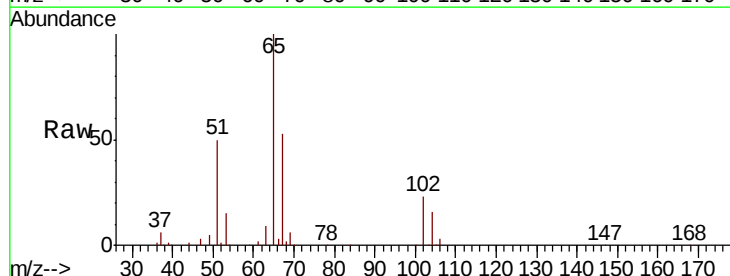


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

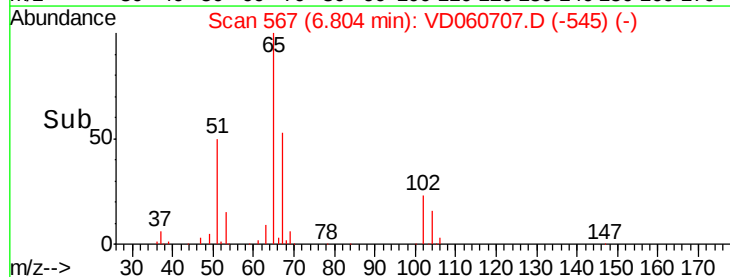
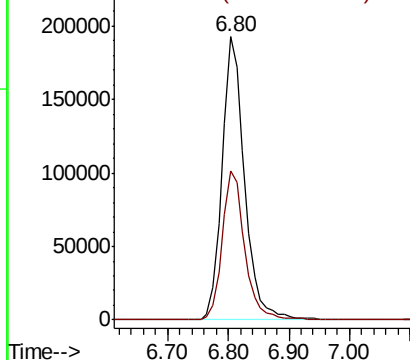


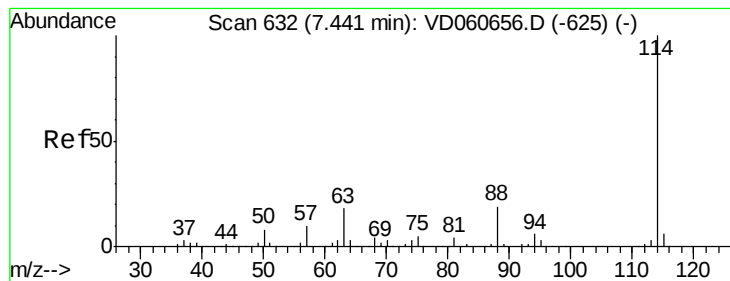
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.80 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD060707.D
Acq: 22 Dec 2018 14:29

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	105.4



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.46 min Scan# 634

Delta R.T. 0.02 min

Lab File: VD060707.D

Acq: 22 Dec 2018 14:29

Instrument :

MSVOA_D

ClientSampleId :

SOIL-CUTTINGS

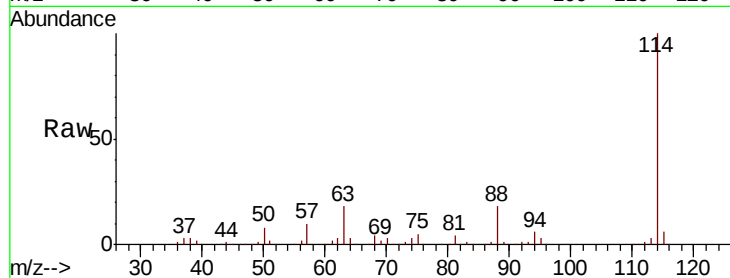
Tot Ion:114 Resp: 2010837

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.2

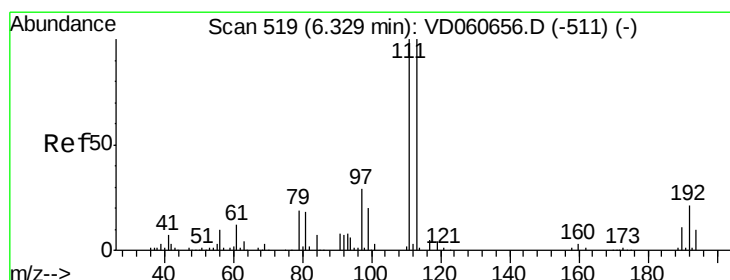
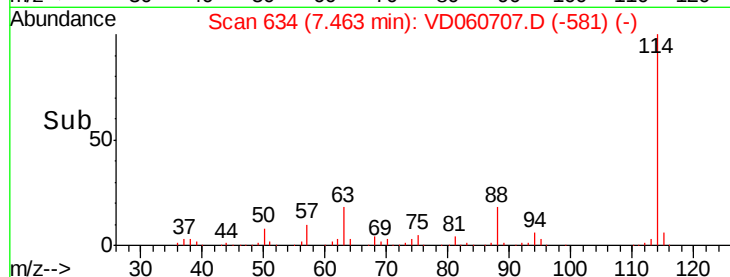
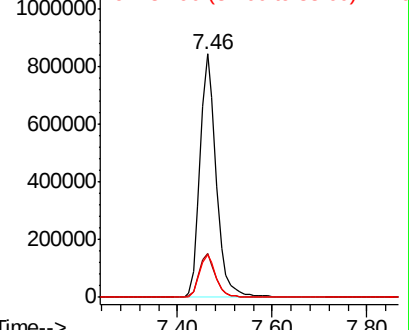
88 17.8 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.34 min Scan# 520

Delta R.T. 0.01 min

Lab File: VD060707.D

Acq: 22 Dec 2018 14:29

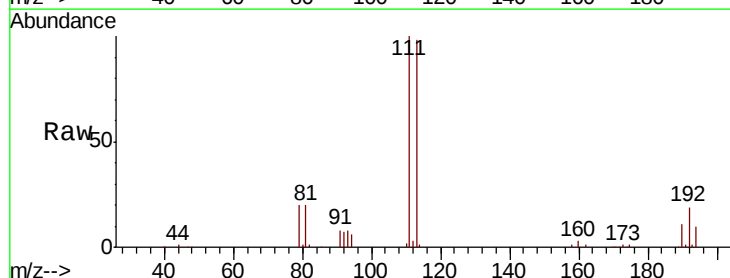
Tgt Ion:113 Resp: 708674

Ion Ratio Lower Upper

113 100

111 101.7 80.0 120.0

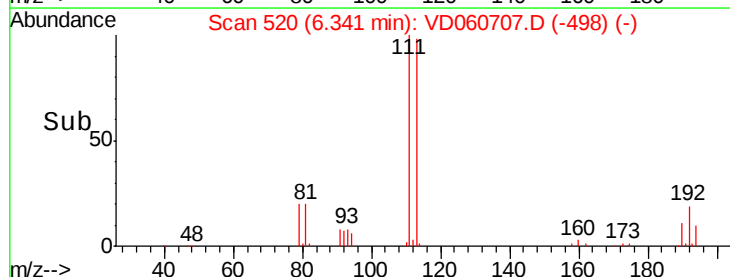
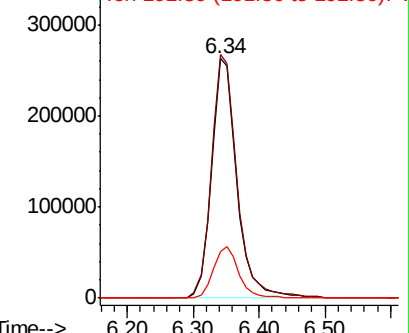
192 19.6 16.6 25.0

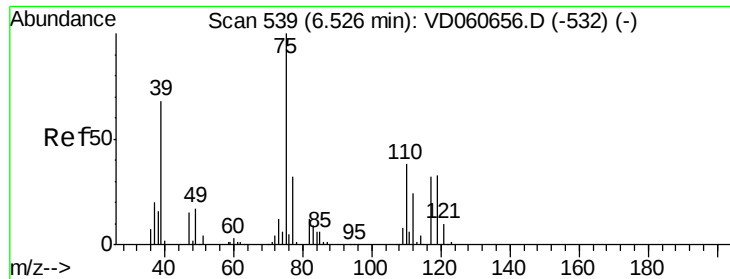


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 4.737 ug/l

RT: 6.43 min Scan# 529

Delta R.T. -0.10 min

Lab File: VD060707.D

Acq: 22 Dec 2018 14:29

Instrument :

MSVOA_D

ClientSampleId :

SOIL-CUTTINGS

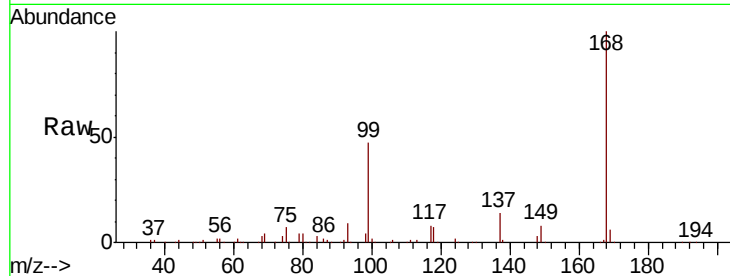
Tot Ion: 75 Resp: 98090

Ion Ratio Lower Upper

75 100

110 5.6 18.9 56.7#

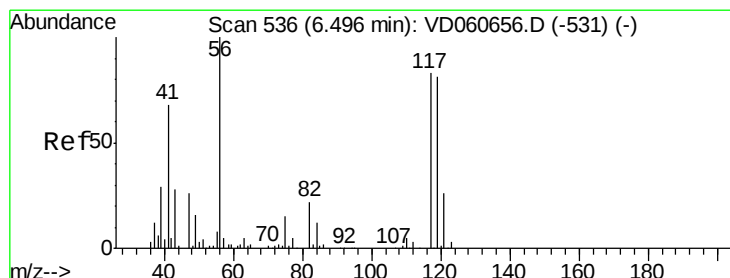
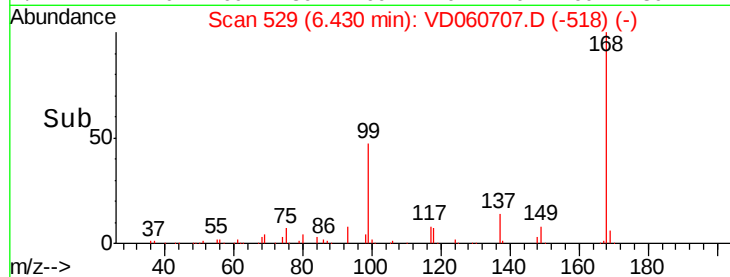
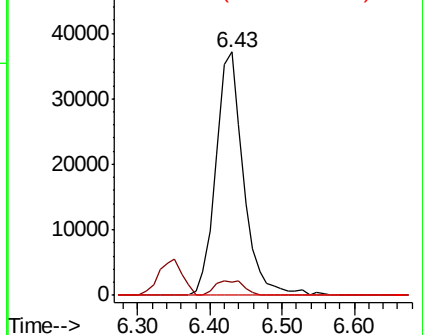
77 0.0 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 5.829 ug/l

RT: 6.43 min Scan# 529

Delta R.T. -0.07 min

Lab File: VD060707.D

Acq: 22 Dec 2018 14:29

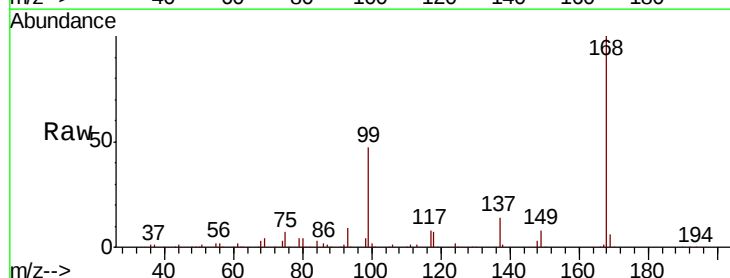
Tgt Ion: 117 Resp: 106483

Ion Ratio Lower Upper

117 100

119 3.8 77.0 115.4#

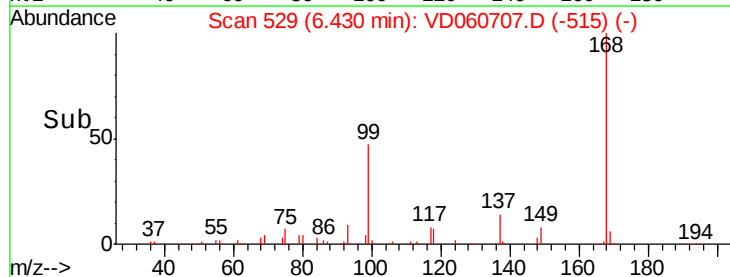
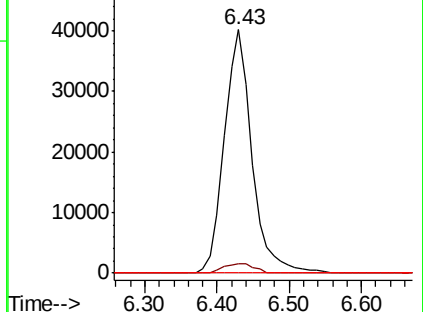
121 0.0 24.7 37.1#

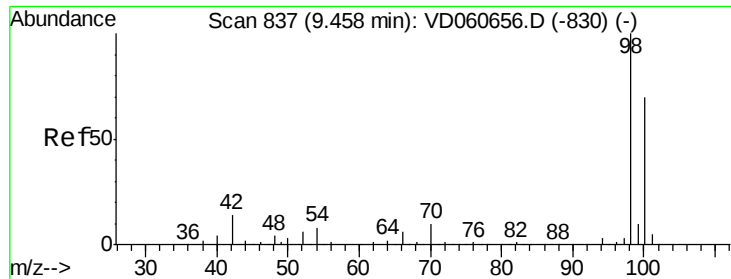


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.48 min Scan# 839

Delta R.T. 0.02 min

Lab File: VD060707.D

Acq: 22 Dec 2018 14:29

Instrument :

MSVOA_D

ClientSampleId :

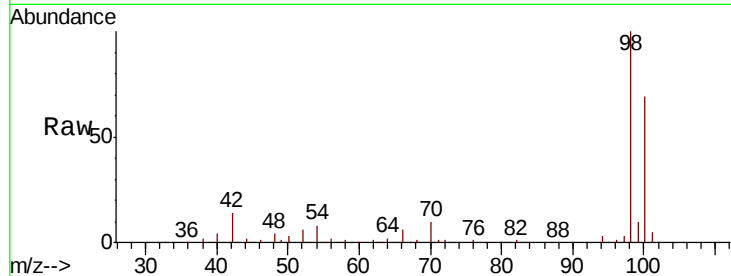
SOIL-CUTTINGS

Tot Ion: 98 Resp: 1901430

Ion Ratio Lower Upper

98 100

100 69.4 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): VD060707.D (-816) (-)

Ion 100.05 (99.75 to 100.75): VD060707.D (-816) (-)

9.48

800000

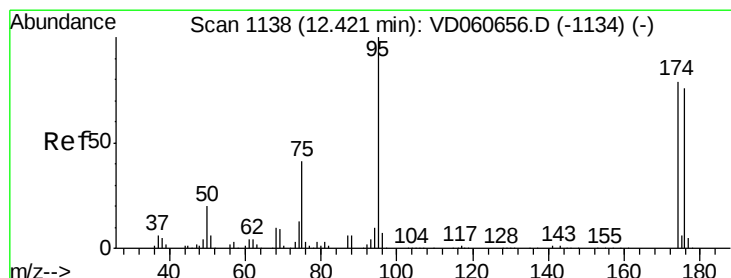
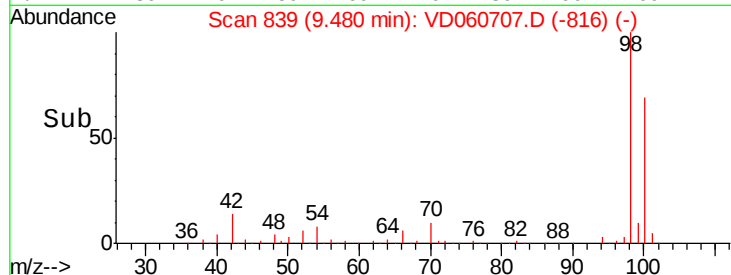
600000

400000

200000

0

Time--> 9.30 9.40 9.50 9.60 9.70



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.44 min Scan# 1140

Delta R.T. 0.02 min

Lab File: VD060707.D

Acq: 22 Dec 2018 14:29

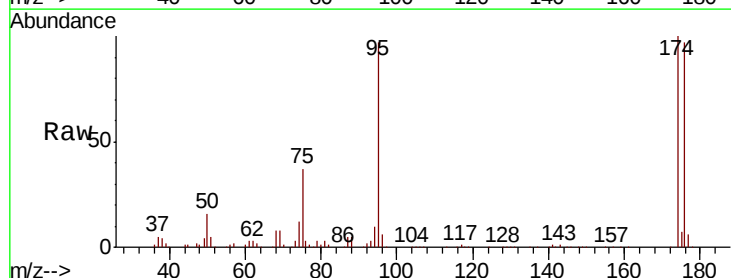
Tgt Ion: 95 Resp: 559193

Ion Ratio Lower Upper

95 100

174 103.4 0.0 158.2

176 99.8 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): VD060707.D (-1117) (-)

Ion 173.90 (173.60 to 174.60): VD060707.D (-1117) (-)

Ion 175.90 (175.60 to 176.60): VD060707.D (-1117) (-)

12.44

500000

400000

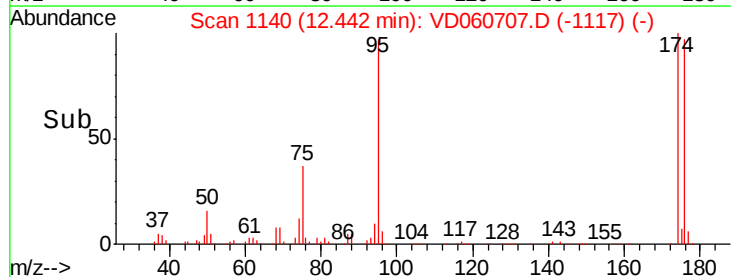
300000

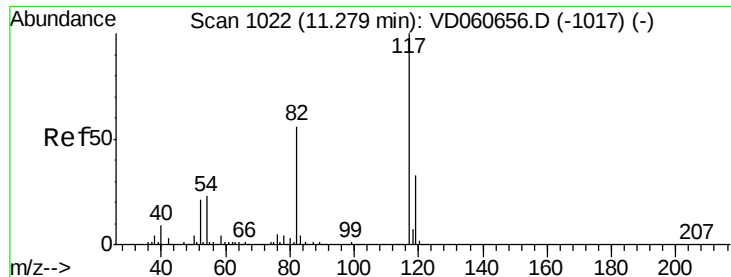
200000

100000

0

Time--> 12.40 12.50

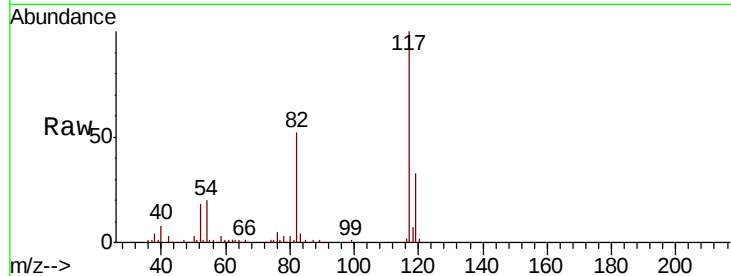




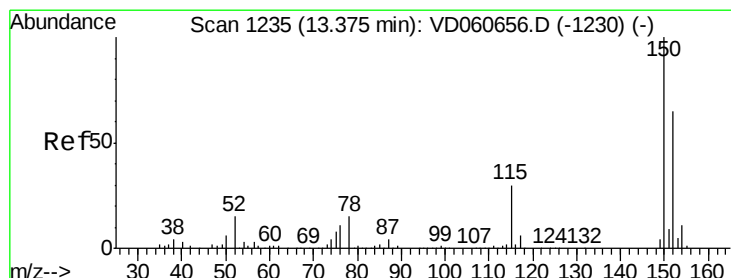
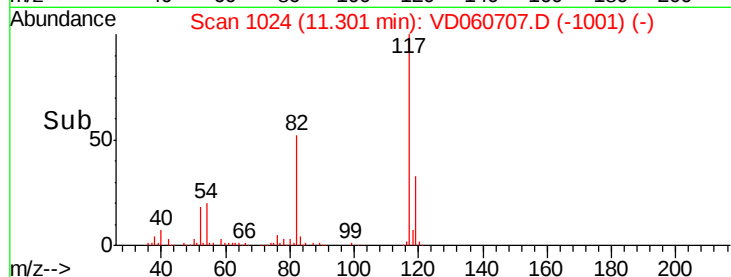
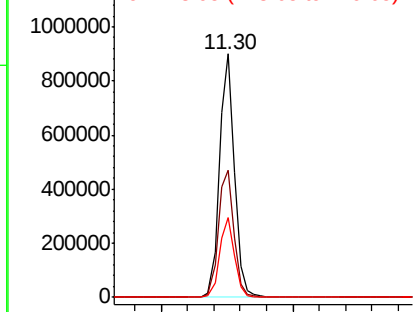
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 1024
Delta R.T. 0.02 min
Lab File: VD060707.D
Acq: 22 Dec 2018 14:29

Instrument :
MSVOA_D
ClientSampleId :
SOIL-CUTTINGS

Tot Ion:117 Resp: 1414557
Ion Ratio Lower Upper
117 100
82 52.1 44.5 66.7
119 32.8 26.3 39.5

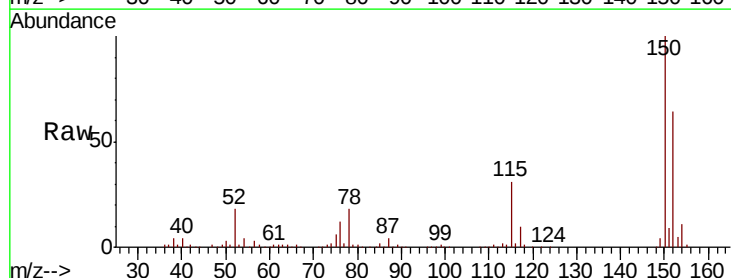


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

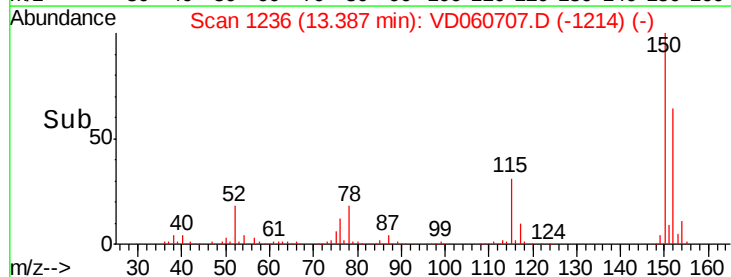
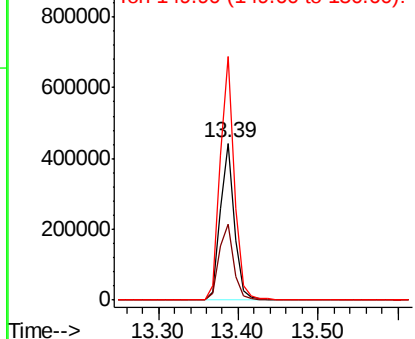


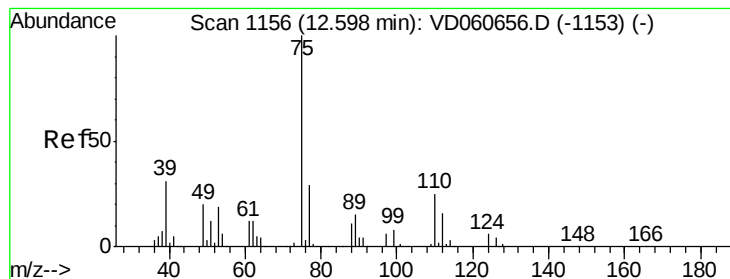
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.39 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VD060707.D
Acq: 22 Dec 2018 14:29

Tgt Ion:152 Resp: 554920
Ion Ratio Lower Upper
152 100
115 48.4 24.1 72.3
150 155.4 0.0 315.0



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





#76

1,2,3-Trichloropropane

Concen: 35.767 ug/l

RT: 12.44 min Scan# 1140

Delta R.T. -0.16 min

Lab File: VD060707.D

Acq: 22 Dec 2018 14:29

Instrument :

MSVOA_D

ClientSampleId :

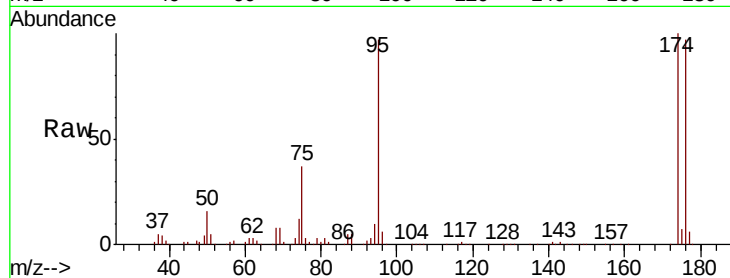
SOIL-CUTTINGS

Tot Ion: 75 Resp: 225966

Ion Ratio Lower Upper

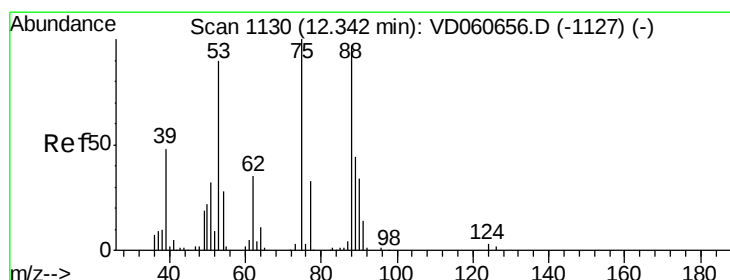
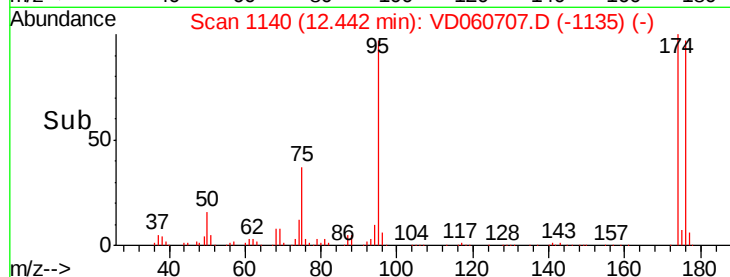
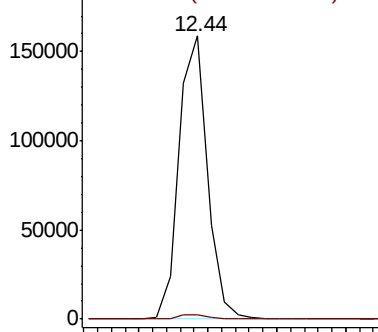
75 100

77 1.4 16.7 50.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 129.850 ug/l

RT: 12.44 min Scan# 1140

Delta R.T. 0.10 min

Lab File: VD060707.D

Acq: 22 Dec 2018 14:29

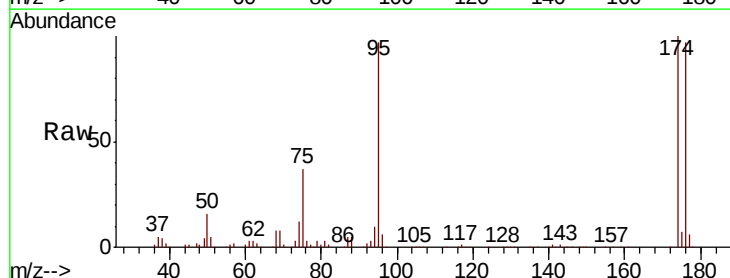
Tgt Ion: 75 Resp: 226683

Ion Ratio Lower Upper

75 100

53 0.0 72.1 108.1#

89 0.0 35.1 52.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

