

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061522.D
 Acq On : 2 Apr 2019 18:53
 Operator : VA/AP
 Sample : K2186-07RE
 Misc : 6.76g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-TRACK-86-87-SOIL

Quant Time: Apr 03 01:54:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	540328	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	968819	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	765881	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	347774	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	235942	51.12	ug/l	0.02
Spiked Amount			Recovery	=	102.24%	
35) Dibromofluoromethane	6.92	113	388952	52.54	ug/l	0.02
Spiked Amount			Recovery	=	105.08%	
50) Toluene-d8	10.41	98	890810	50.17	ug/l	0.02
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	13.56	95	320870	47.12	ug/l	0.01
Spiked Amount			Recovery	=	94.24%	

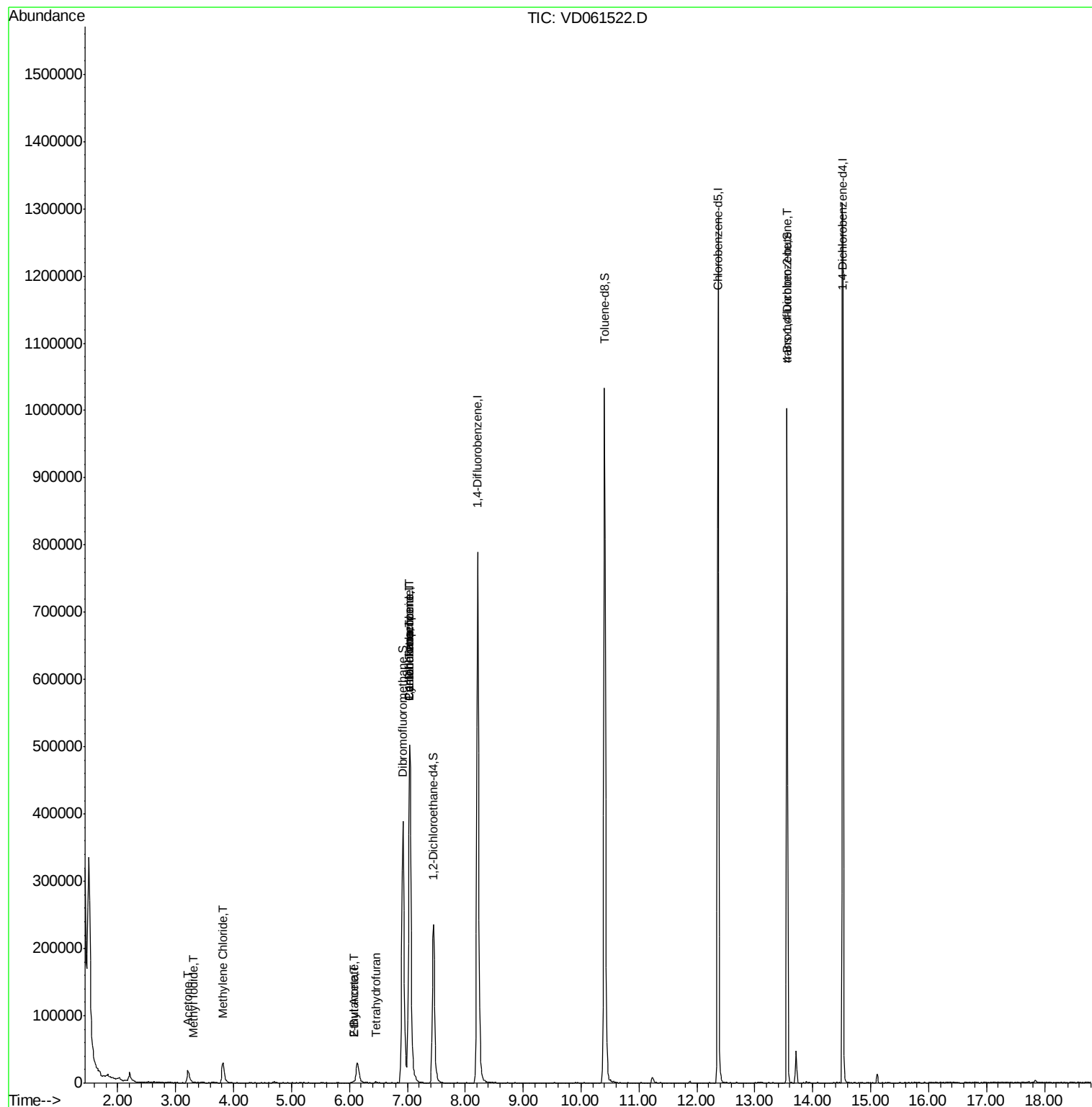
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.32	142	203	3.484	ug/l #	38
16) Acetone	3.21	43	39685	33.446	ug/l #	89
20) Methylene Chloride	3.82	84	25165	1.940	ug/l	96
25) 2-Butanone	6.07	43	6369	4.267	ug/l #	54
29) Tetrahydrofuran	6.45	42	1692	2.339	ug/l #	47
31) Cyclohexane	7.04	56	9173	1.154	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	39068	4.620	ug/l #	46
37) Ethyl Acetate	6.07	43	6369	1.761	ug/l #	65
38) Carbon Tetrachloride	7.04	117	50736	5.222	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.56	75	118057	77.075	ug/l #	18

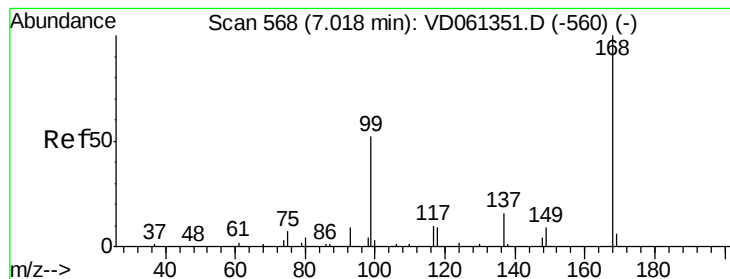
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.02 min

Lab File: VD061522.D

Acq: 2 Apr 2019 18:53

Instrument :

MSVOA_D

ClientSampleId :

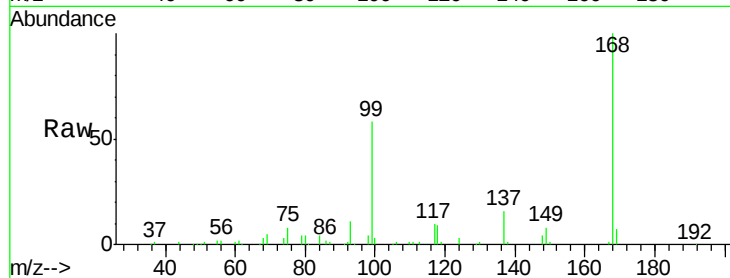
TP-TRACK-86-87-SOIL

Tot Ion:168 Resp: 540328

Ion Ratio Lower Upper

168 100

99 58.0 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.04

200000

150000

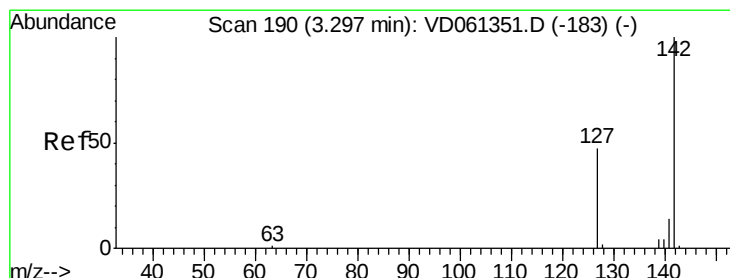
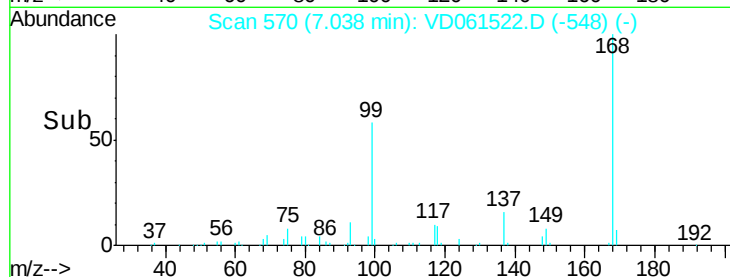
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#10

Methyl Iodide

Concen: 3.484 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD061522.D

Acq: 2 Apr 2019 18:53

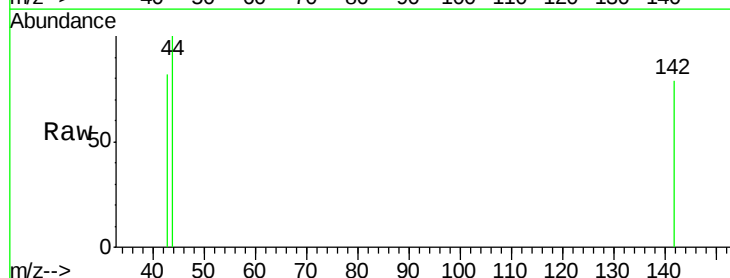
Tgt Ion:142 Resp: 203

Ion Ratio Lower Upper

142 100

127 0.0 37.7 56.5#

141 0.0 11.5 17.3#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.32

400

300

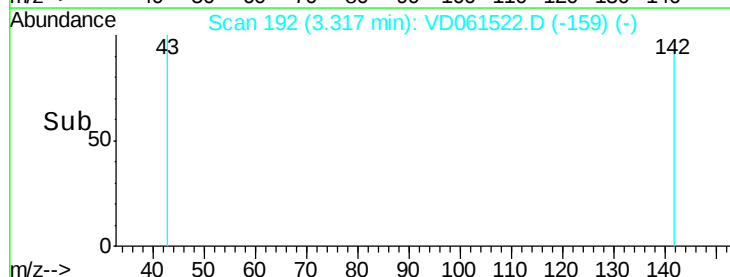
200

100

0

3.28 3.30 3.32 3.34

Time-->





#16

Acetone

Concen: 33.446 ug/l

RT: 3.21 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD061522.D

Acq: 2 Apr 2019 18:53

Instrument :

MSVOA_D

ClientSampleId :

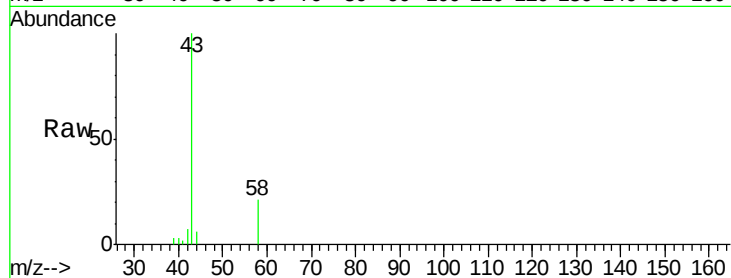
TP-TRACK-86-87-SOIL

Tot Ion: 43 Resp: 39685

Ion Ratio Lower Upper

43 100

58 21.1 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

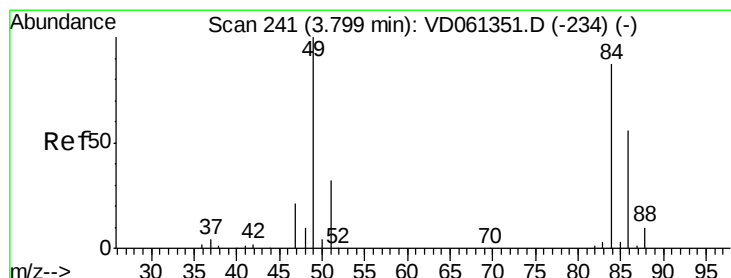
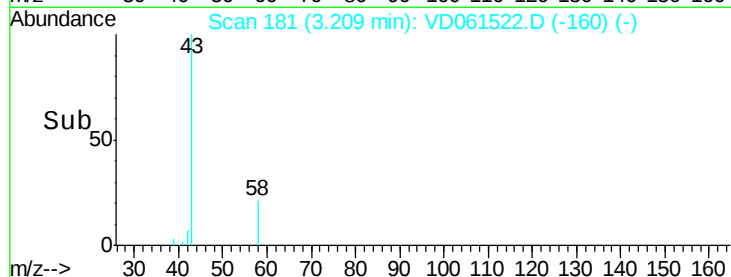
15000

10000

5000

0

Time--> 3.10 3.20 3.30



#20

Methylene Chloride

Concen: 1.940 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD061522.D

Acq: 2 Apr 2019 18:53

Tgt Ion: 84 Resp: 25165

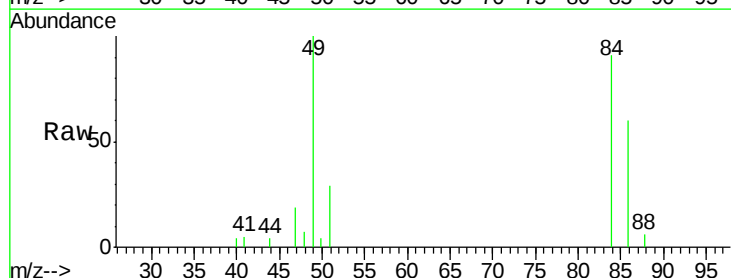
Ion Ratio Lower Upper

84 100

49 110.2 91.8 137.8

51 32.3 29.8 44.8

86 66.3 51.8 77.6



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

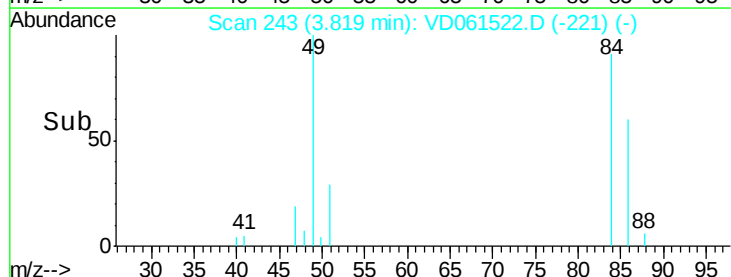
Ion 85.90 (85.60 to 86.60): VDC

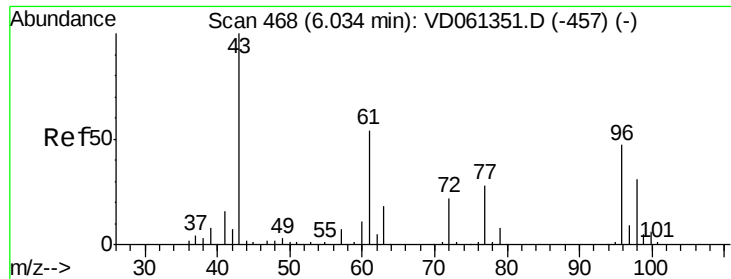
10000

5000

0

Time--> 3.70 3.80 3.90





#25

2-Butanone

Concen: 4.267 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.04 min

Lab File: VD061522.D

Acq: 2 Apr 2019 18:53

Instrument :

MSVOA_D

ClientSampleId :

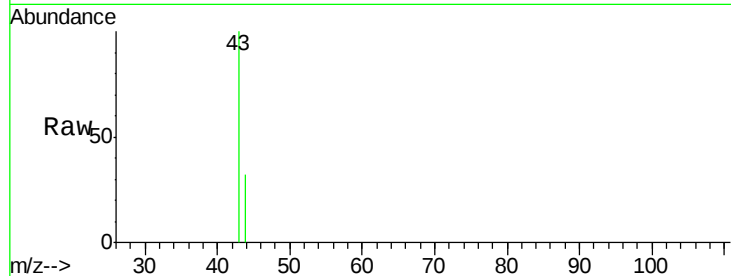
TP-TRACK-86-87-SOIL

Tot Ion: 43 Resp: 6369

Ion Ratio Lower Upper

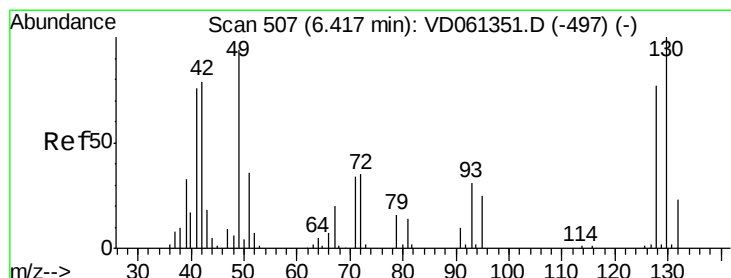
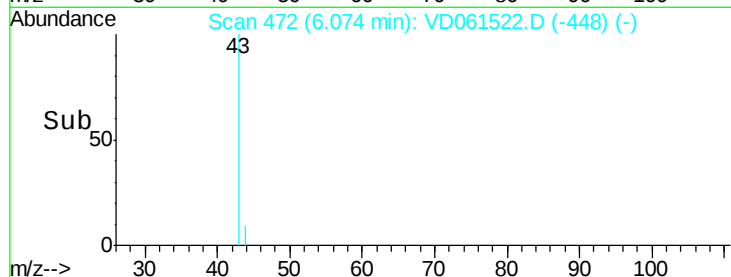
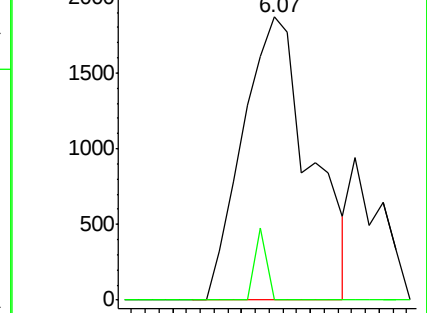
43 100

72 0.0 17.2 25.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 2.339 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.03 min

Lab File: VD061522.D

Acq: 2 Apr 2019 18:53

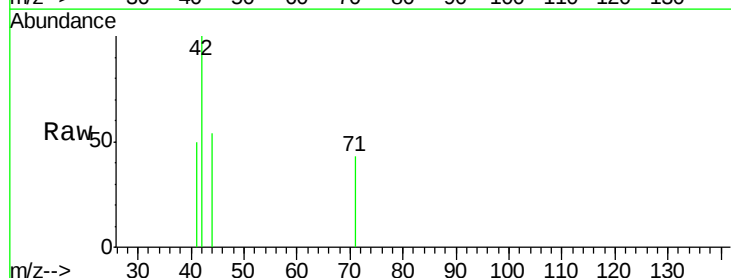
Tgt Ion: 42 Resp: 1692

Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.0#

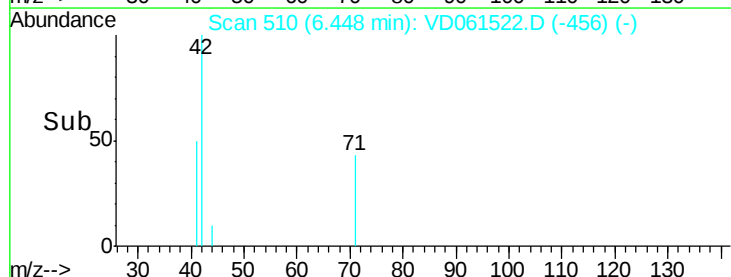
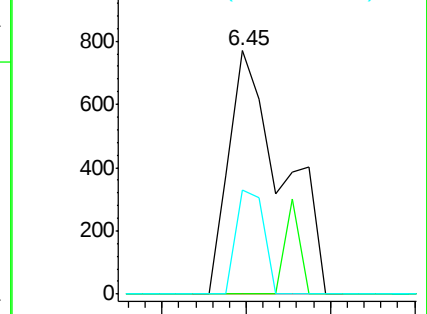
71 22.2 36.7 55.1#

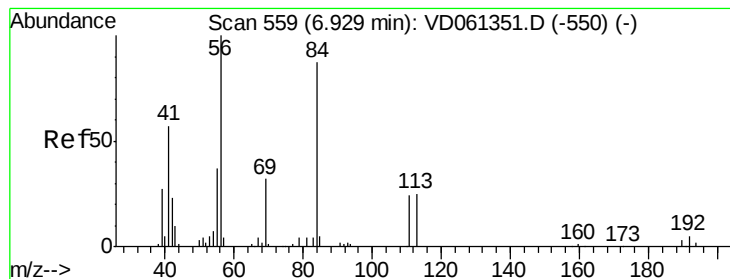


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 1.154 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.11 min

Lab File: VD061522.D

Acq: 2 Apr 2019 18:53

Instrument :

MSVOA_D

ClientSampleId :

TP-TRACK-86-87-SOIL

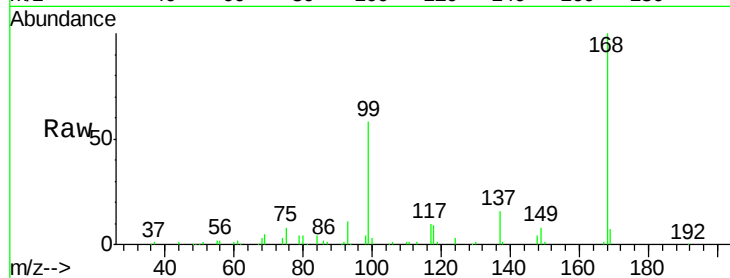
Tot Ion: 56 Resp: 9173

Ion Ratio Lower Upper

56 100

69 241.2 25.7 38.5#

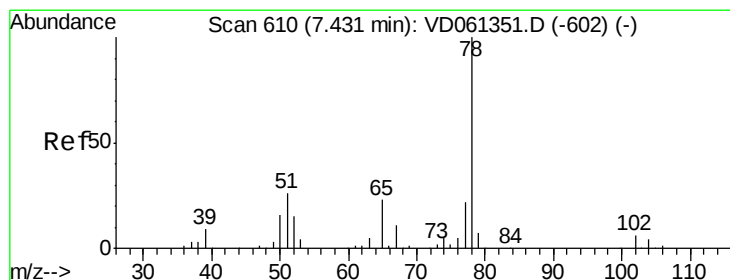
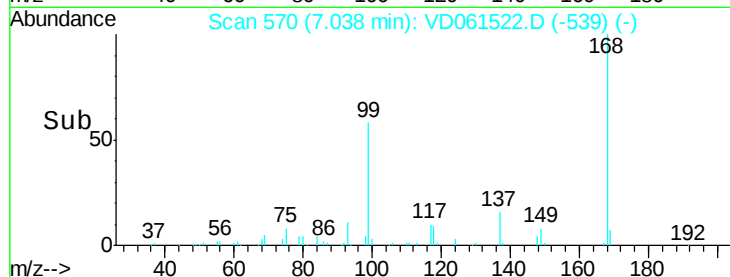
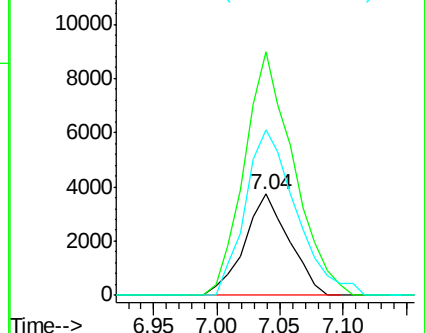
84 164.2 70.6 105.8#



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: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD061522.D

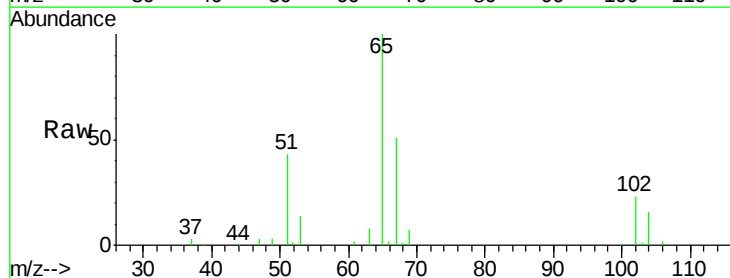
Acq: 2 Apr 2019 18:53

Tgt Ion: 65 Resp: 235942

Ion Ratio Lower Upper

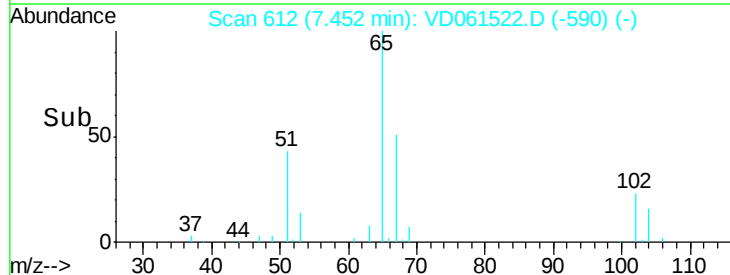
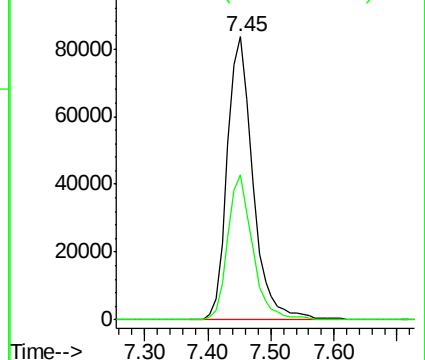
65 100

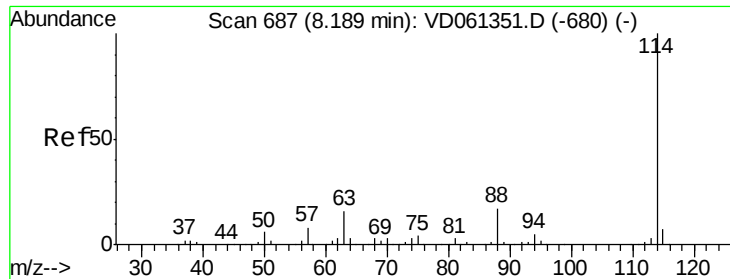
67 51.5 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

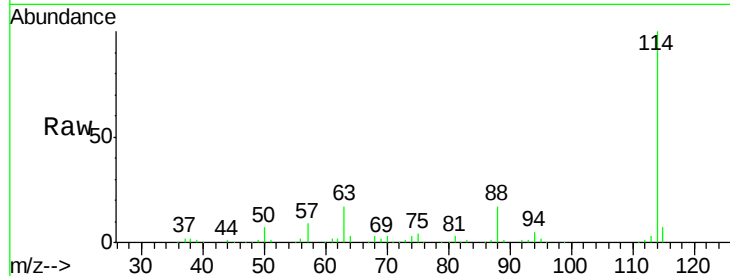




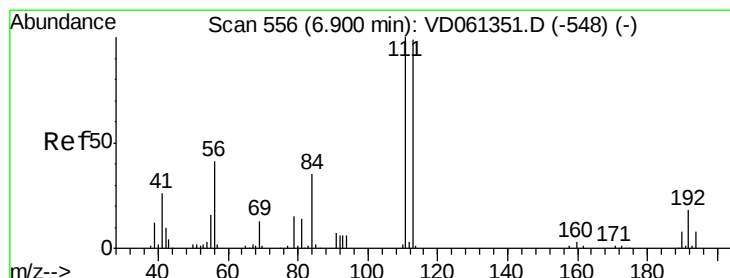
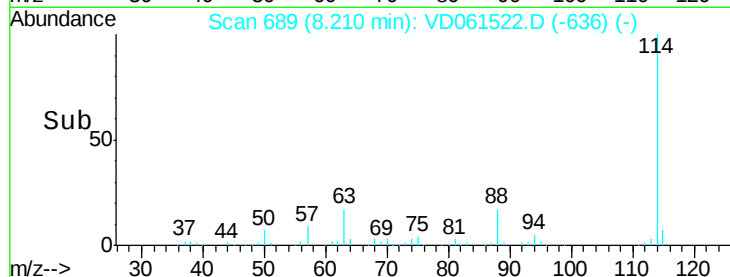
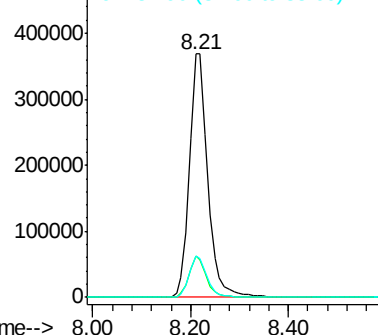
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.02 min
 Lab File: VD061522.D
 Acq: 2 Apr 2019 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-TRACK-86-87-SOIL

Tot Ion:114 Resp: 968819
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 31.6
 88 17.2 0.0 33.4

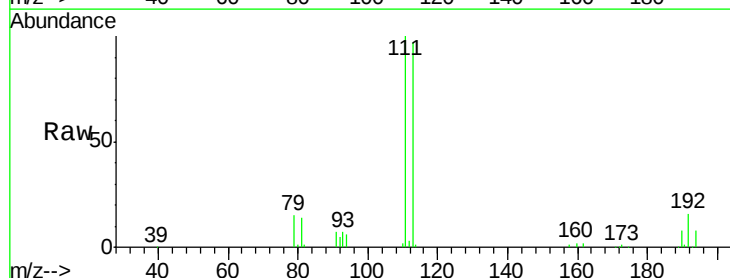


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

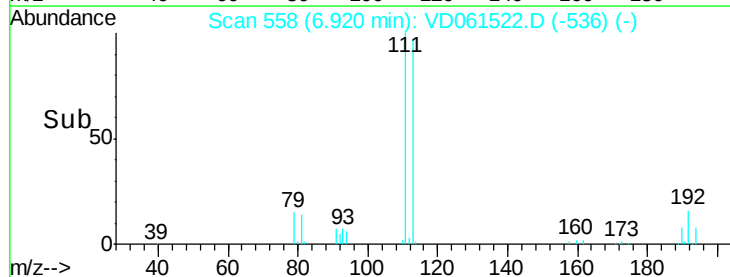
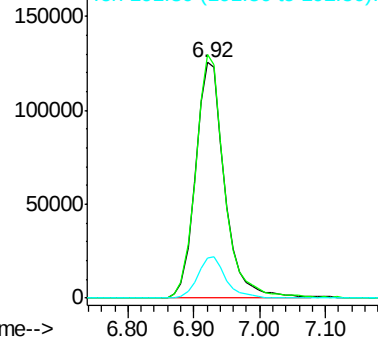


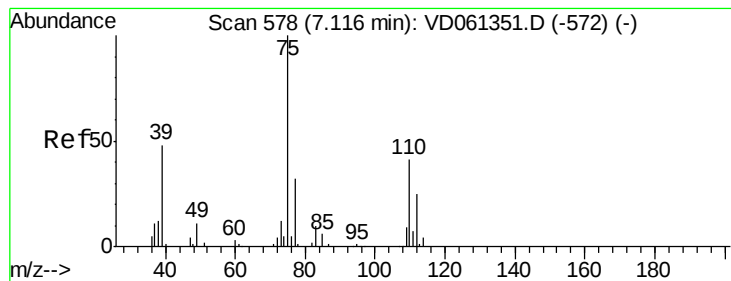
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.02 min
 Lab File: VD061522.D
 Acq: 2 Apr 2019 18:53

Tgt Ion:113 Resp: 388952
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.0 121.6
 192 17.0 14.4 21.6



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: 4.620 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD061522.D

Acq: 2 Apr 2019 18:53

Instrument :

MSVOA_D

ClientSampleId :

TP-TRACK-86-87-SOIL

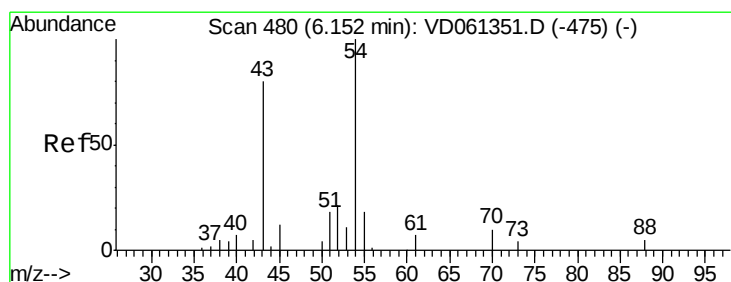
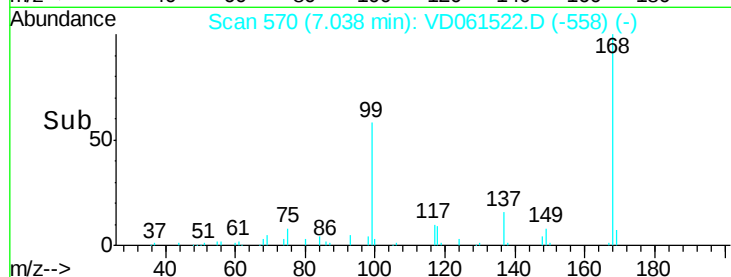
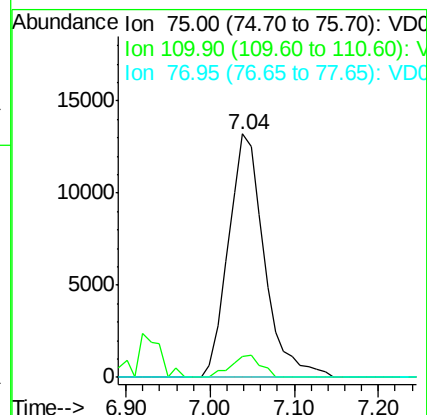
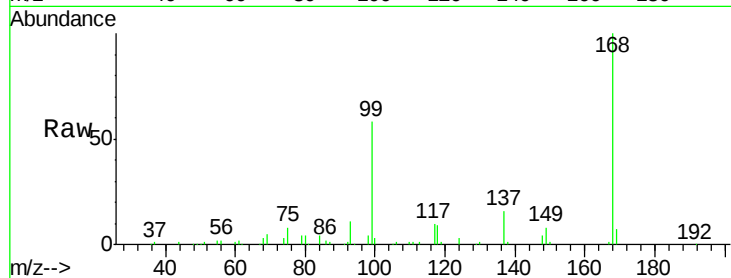
Tot Ion: 75 Resp: 39068

Ion Ratio Lower Upper

75 100

110 8.4 20.4 61.3#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 1.761 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.08 min

Lab File: VD061522.D

Acq: 2 Apr 2019 18:53

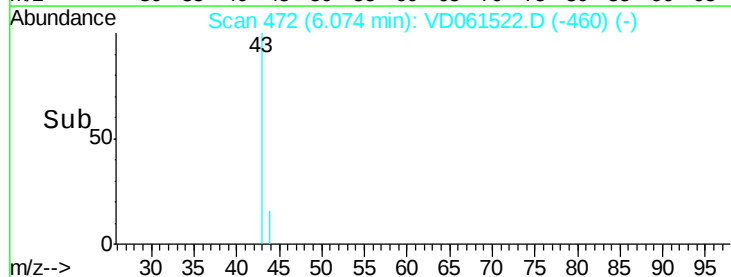
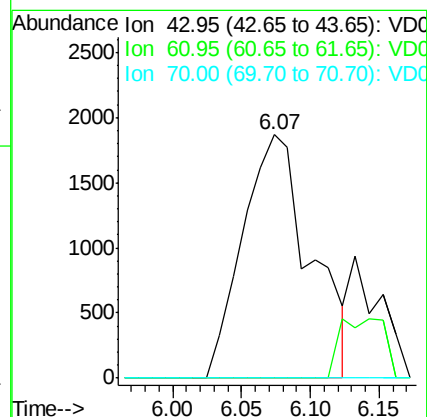
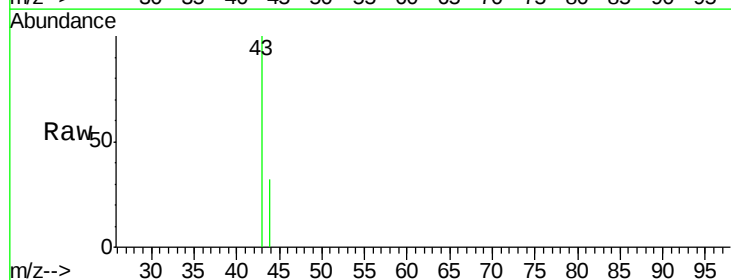
Tgt Ion: 43 Resp: 6369

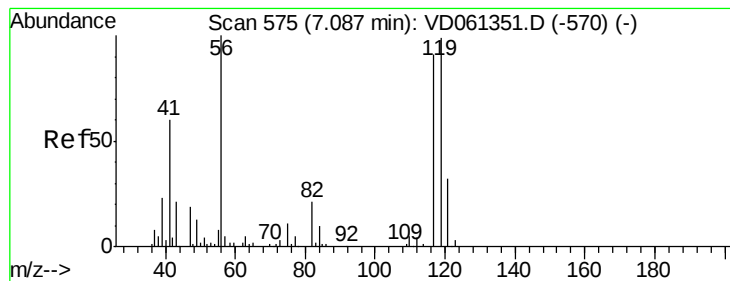
Ion Ratio Lower Upper

43 100

61 0.0 13.8 20.8#

70 0.0 7.8 11.8#





#38

Carbon Tetrachloride

Concen: 5.222 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD061522.D

Acq: 2 Apr 2019 18:53

Instrument :

MSVOA_D

ClientSampleId :

TP-TRACK-86-87-SOIL

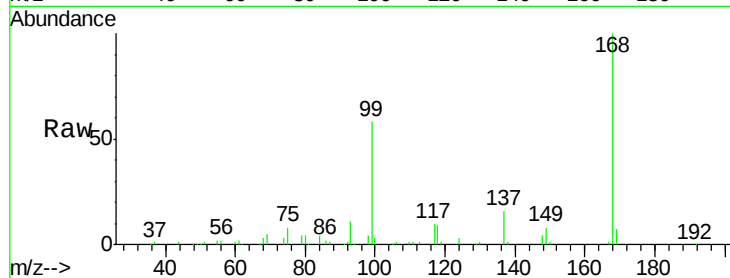
Tot Ion:117 Resp: 50736

Ion Ratio Lower Upper

117 100

119 5.7 80.1 120.1#

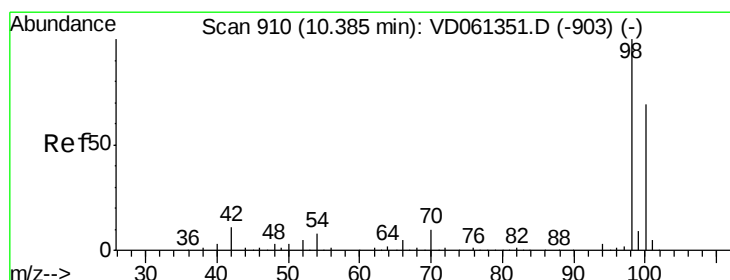
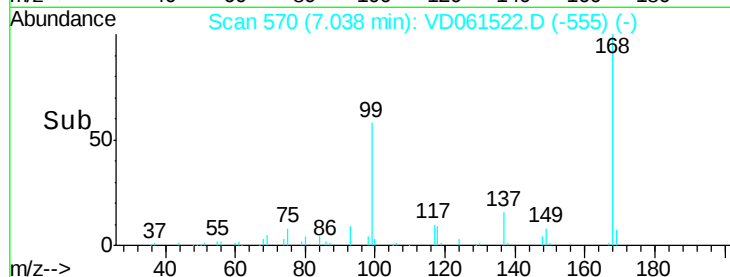
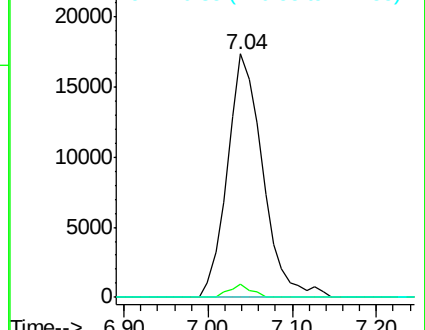
121 0.0 25.6 38.4#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.02 min

Lab File: VD061522.D

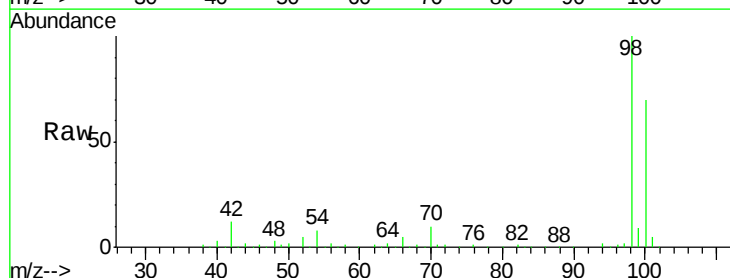
Acq: 2 Apr 2019 18:53

Tgt Ion: 98 Resp: 890810

Ion Ratio Lower Upper

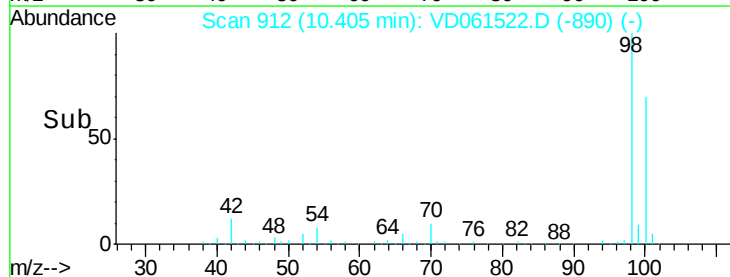
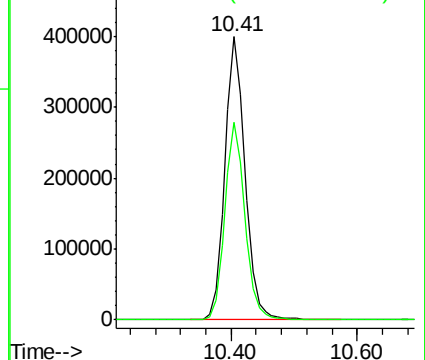
98 100

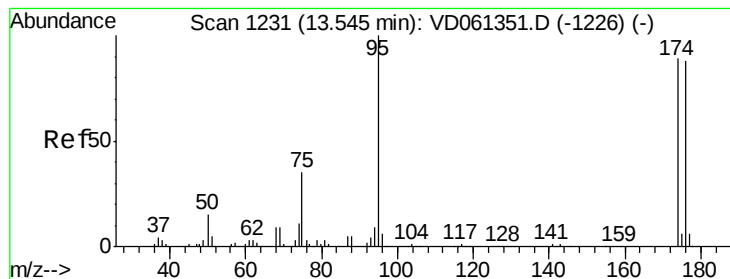
100 69.9 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD061522.D

Acq: 2 Apr 2019 18:53

Instrument :

MSVOA_D

ClientSampleId :

TP-TRACK-86-87-SOIL

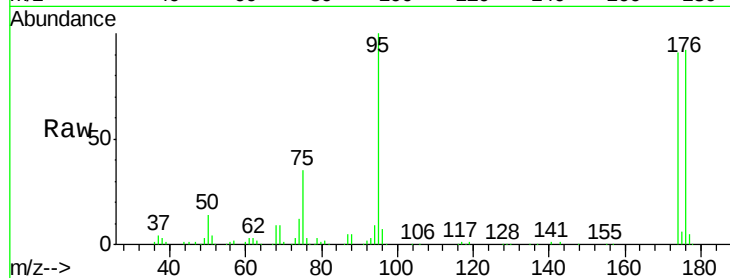
Tot Ion: 95 Resp: 320870

Ion Ratio Lower Upper

95 100

174 91.4 0.0 178.0

176 91.8 0.0 175.0

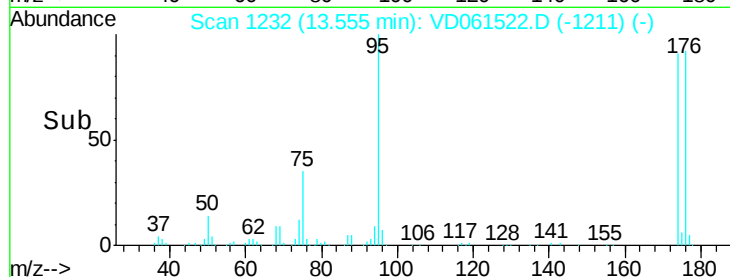


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

Time-->



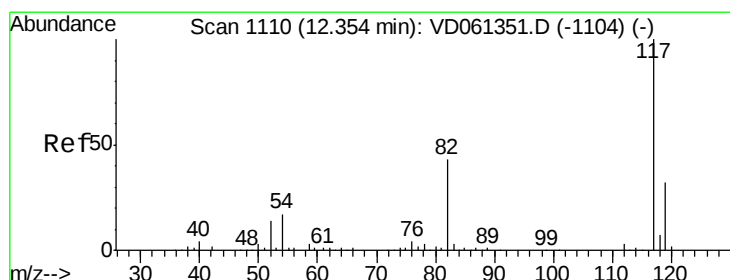
Abundance

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

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VD061522.D

Acq: 2 Apr 2019 18:53

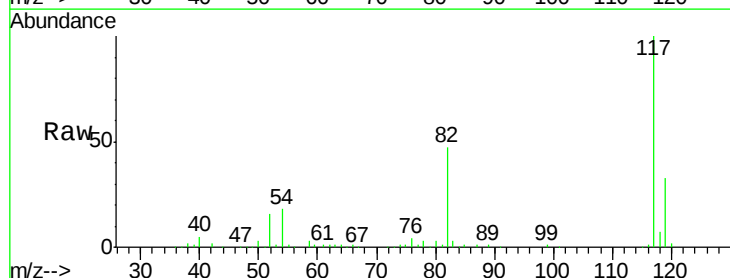
Tgt Ion: 117 Resp: 765881

Ion Ratio Lower Upper

117 100

82 46.7 34.4 51.6

119 32.6 25.8 38.6

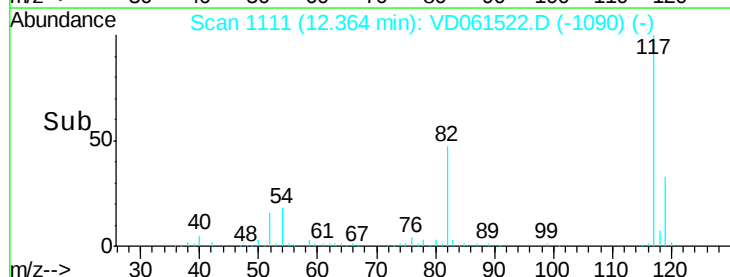


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

Time-->



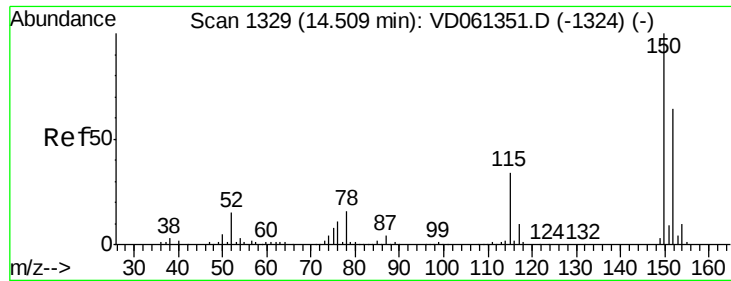
Abundance

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

Time-->

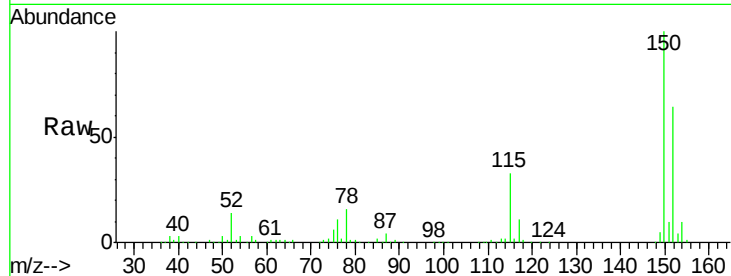


#72

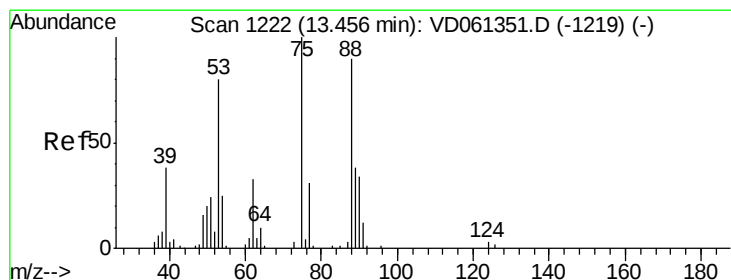
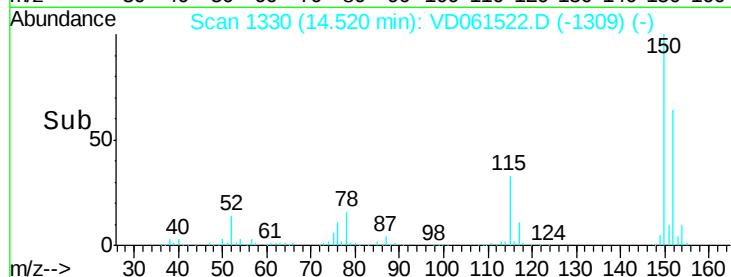
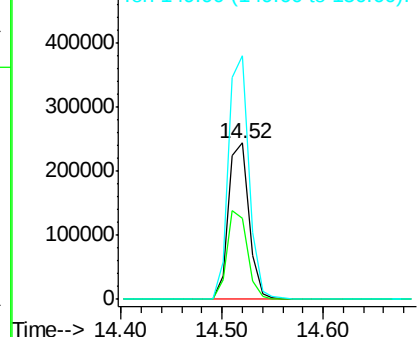
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061522.D
Acq: 2 Apr 2019 18:53

Instrument :
MSVOA_D
ClientSampleId :
TP-TRACK-86-87-SOIL

Tot Ion:152 Resp: 347774
Ion Ratio Lower Upper
152 100
115 51.8 26.9 80.6
150 155.5 0.0 318.0



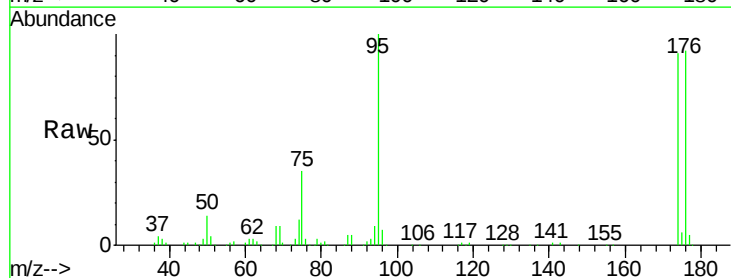
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 77.075 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.10 min
Lab File: VD061522.D
Acq: 2 Apr 2019 18:53

Tgt Ion: 75 Resp: 118057
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.8#
89 0.0 30.5 45.7#



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

