

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052019\
 Data File : VD062471.D
 Acq On : 20 May 2019 22:13
 Operator : FY/SY
 Sample : k2869-09RE
 Misc : 5.75g/5mL/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ROCKY-SOIL

Quant Time: May 21 03:42:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	722722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1046407	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	803965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	402068	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	239851	31.00	ug/l	0.00
Spiked Amount			Recovery	=	62.00%	
35) Dibromofluoromethane	6.93	113	309622	32.80	ug/l	-0.01
Spiked Amount			Recovery	=	65.60%	
50) Toluene-d8	10.42	98	612384	29.64	ug/l	-0.01
Spiked Amount			Recovery	=	59.28%	
62) 4-Bromofluorobenzene	13.56	95	269946	29.87	ug/l	-0.01
Spiked Amount			Recovery	=	59.74%	

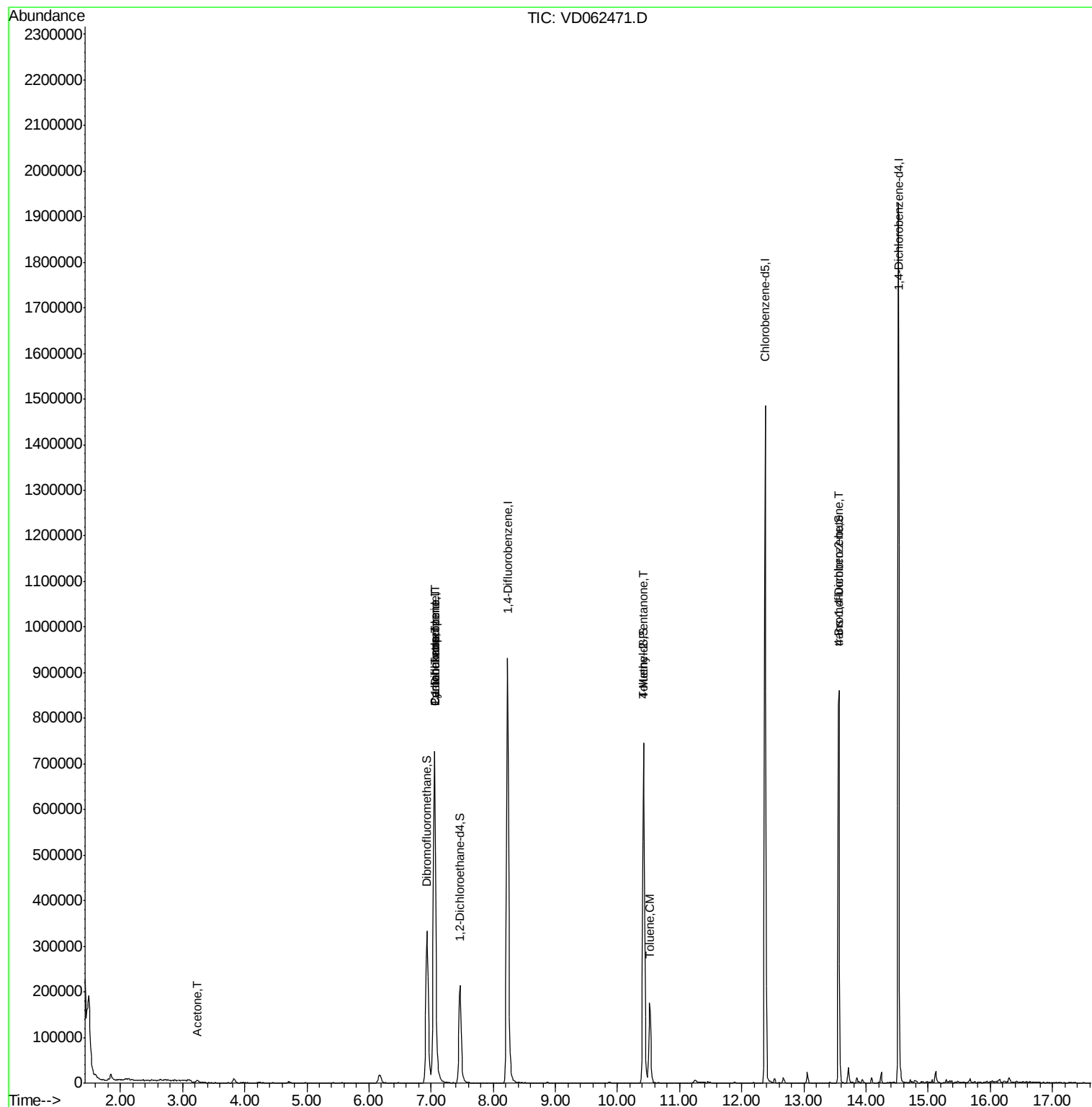
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	185	Below Cal	#	42
16) Acetone	3.23	43	10568	7.623	ug/l #	83
20) Methylene Chloride	3.82	84	6552	Below Cal	#	85
31) Cyclohexane	7.05	56	14652	2.006	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	55625	5.560	ug/l #	48
38) Carbon Tetrachloride	7.05	117	71521	4.810	ug/l #	12
51) 4-Methyl-2-Pentanone	10.42	43	3703	1.087	ug/l #	1
52) Toluene	10.51	92	92270	6.868	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.56	75	118790	88.938	ug/l #	16

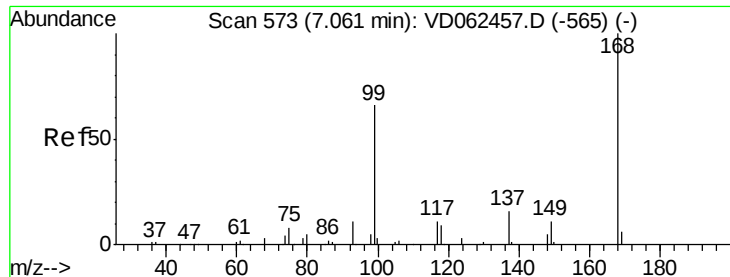
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 21 03:42:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.00 min

Lab File: VD062471.D

Acq: 20 May 2019 22:13

Instrument :

MSVOA_D

ClientSampleId :

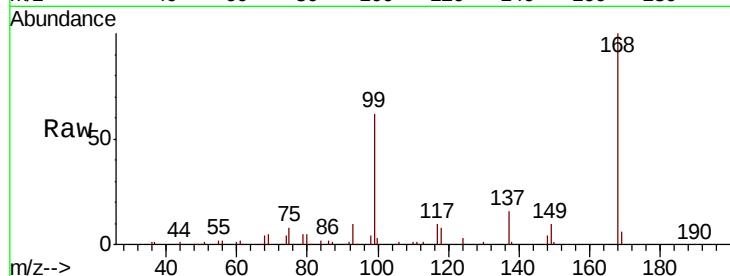
ROCKY-SOIL

Tot Ion:168 Resp: 722722

Ion Ratio Lower Upper

168 100

99 62.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

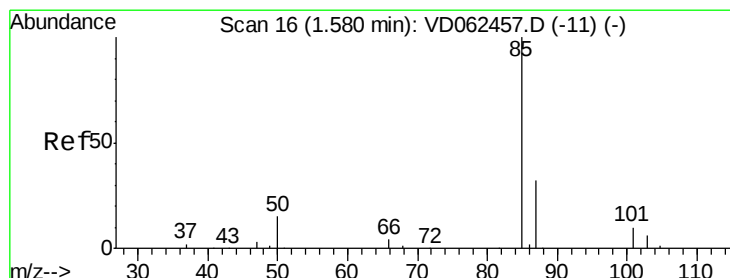
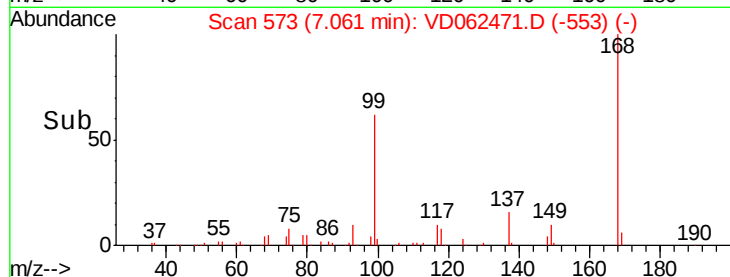
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD062471.D

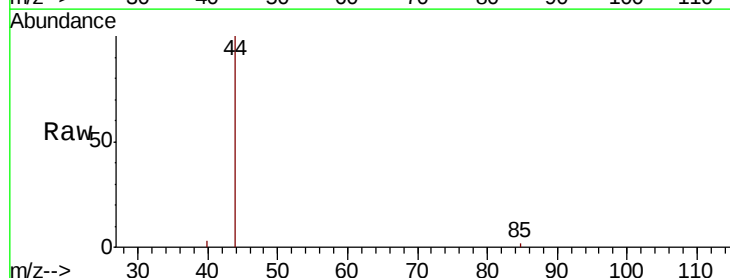
Acq: 20 May 2019 22:13

Tgt Ion: 85 Resp: 185

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.6#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

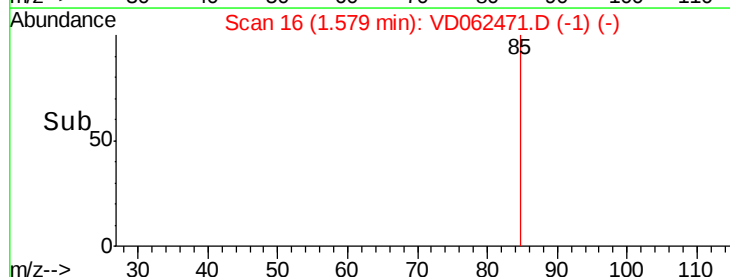
300

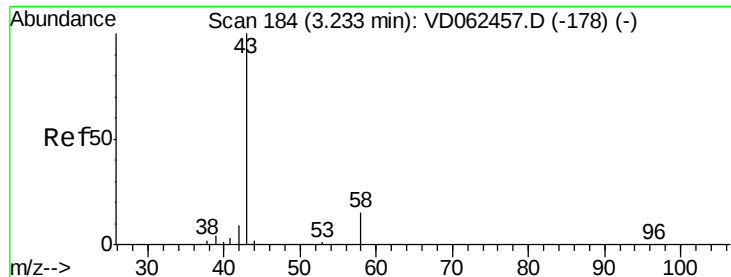
200

100

0

Time-->





#16

Acetone

Concen: 7.623 ug/l

RT: 3.23 min Scan# 184

Delta R.T. -0.00 min

Lab File: VD062471.D

Acq: 20 May 2019 22:13

Instrument :

MSVOA_D

ClientSampleId :

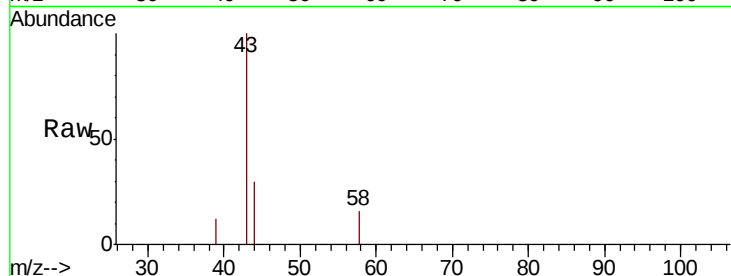
ROCKY-SOIL

Tot Ion: 43 Resp: 10568

Ion Ratio Lower Upper

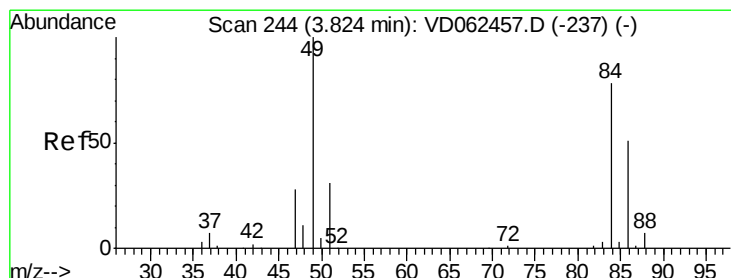
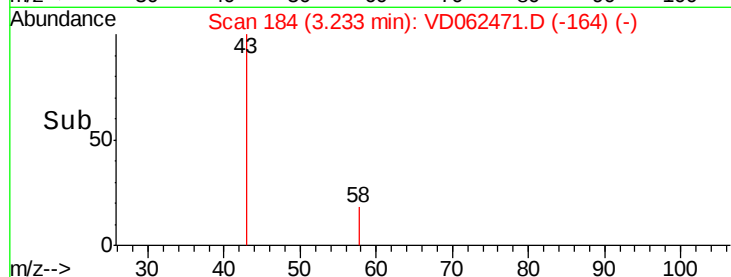
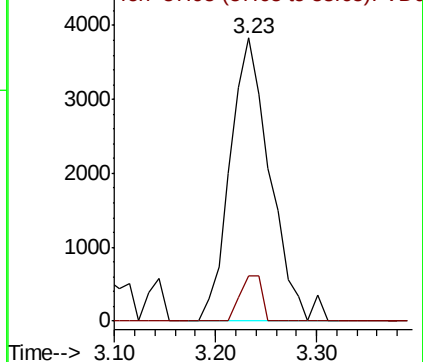
43 100

58 16.2 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.82 min Scan# 244

Delta R.T. 0.00 min

Lab File: VD062471.D

Acq: 20 May 2019 22:13

Tgt Ion: 84 Resp: 6552

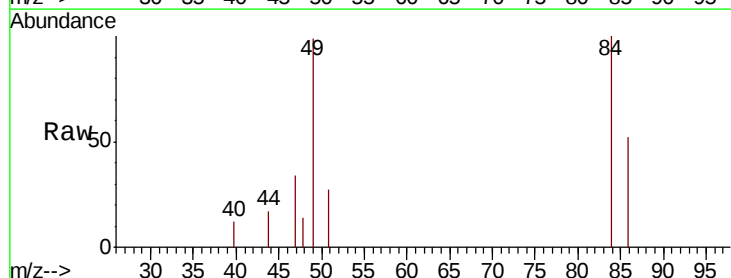
Ion Ratio Lower Upper

84 100

49 99.2 94.0 141.0

51 26.6 29.0 43.4#

86 52.3 49.8 74.6

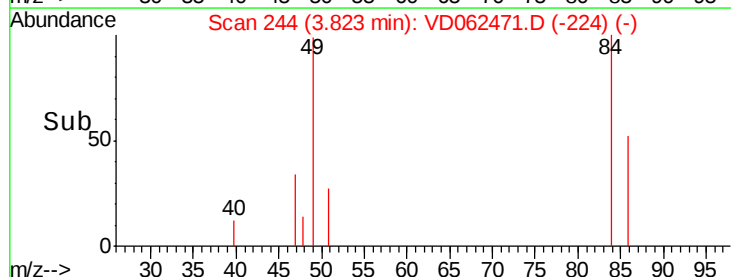
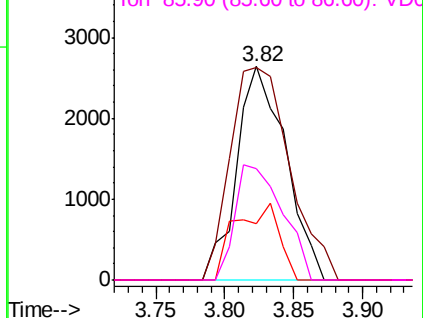


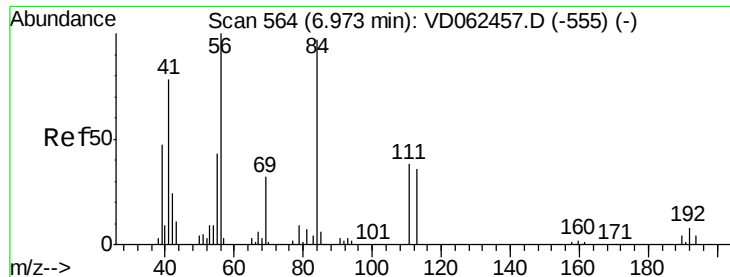
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

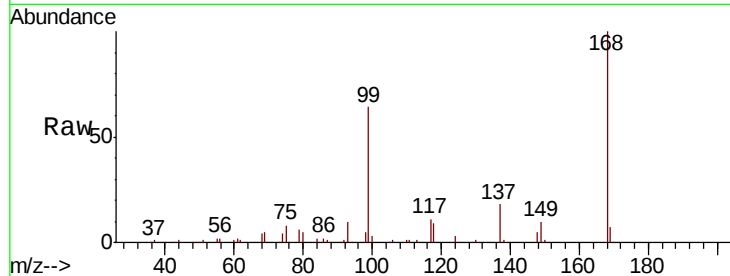




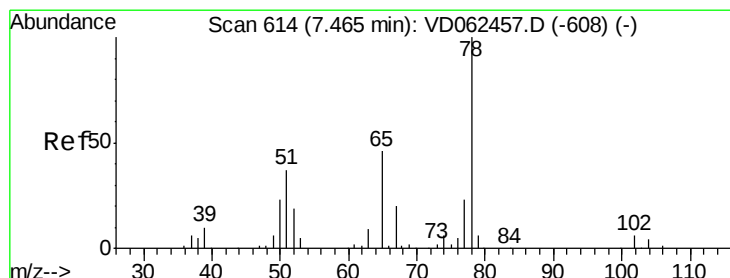
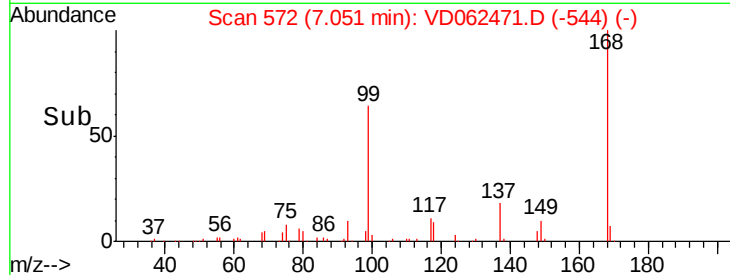
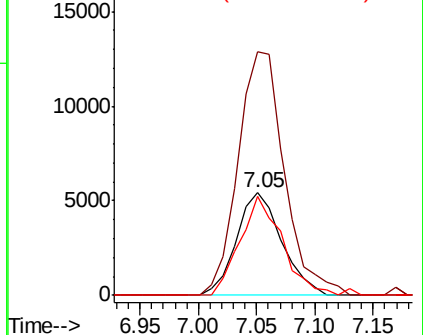
#31
Cyclohexane
Concen: 2.006 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.08 min
Lab File: VD062471.D
Acq: 20 May 2019 22:13

Instrument :
MSVOA_D
ClientSampleId :
ROCKY-SOIL

Tot Ion: 56 Resp: 14652
Ion Ratio Lower Upper
56 100
69 237.3 25.8 38.6#
84 96.0 72.2 108.4

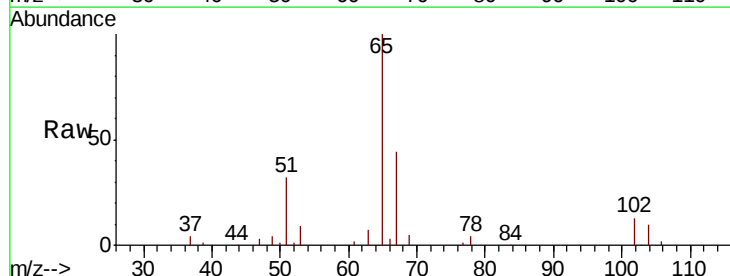


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

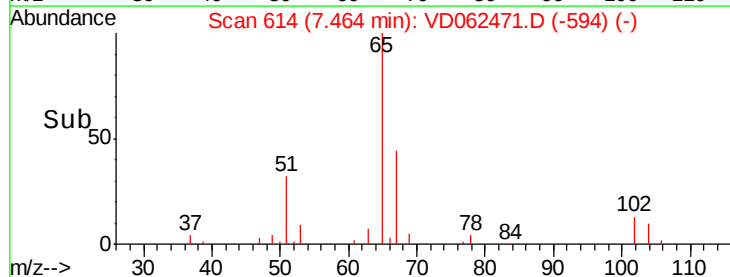
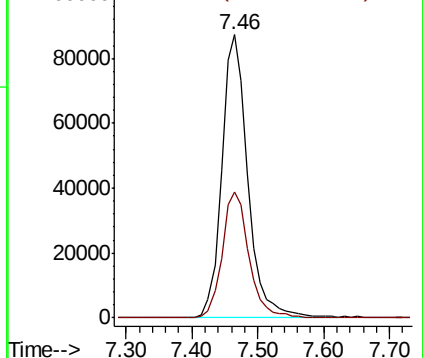


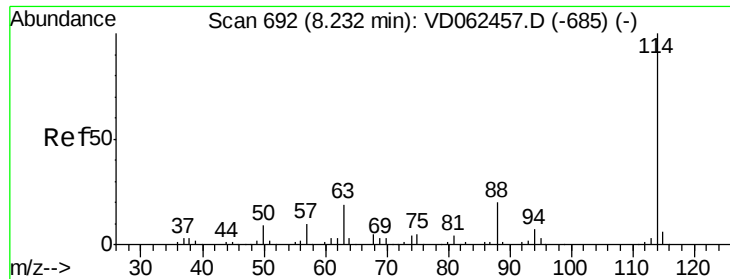
#33
1,2-Dichloroethane-d4
Concen: 31.003 ug/l
RT: 7.46 min Scan# 614
Delta R.T. -0.00 min
Lab File: VD062471.D
Acq: 20 May 2019 22:13

Tgt Ion: 65 Resp: 239851
Ion Ratio Lower Upper
65 100
67 44.5 0.0 98.0



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: 8.23 min Scan# 692

Delta R.T. -0.00 min

Lab File: VD062471.D

Acq: 20 May 2019 22:13

Instrument :

MSVOA_D

ClientSampleId :

ROCKY-SOIL

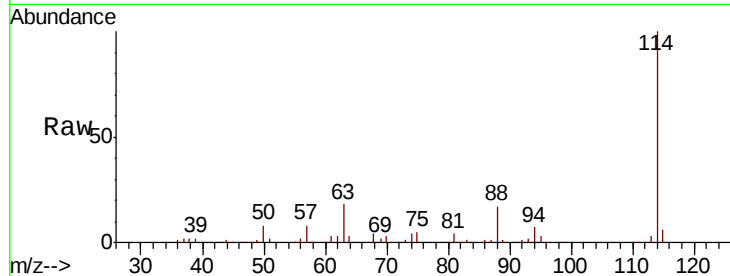
Tot Ion:114 Resp: 1046407

Ion Ratio Lower Upper

114 100

63 17.9 0.0 32.4

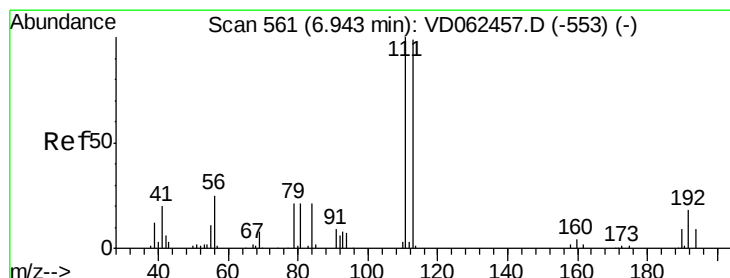
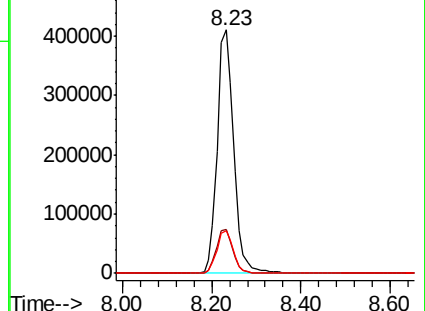
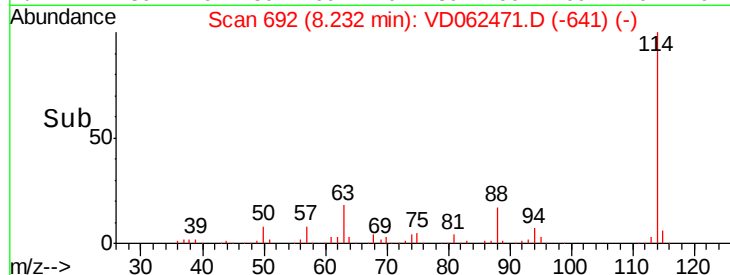
88 17.5 0.0 33.6



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: 32.799 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD062471.D

Acq: 20 May 2019 22:13

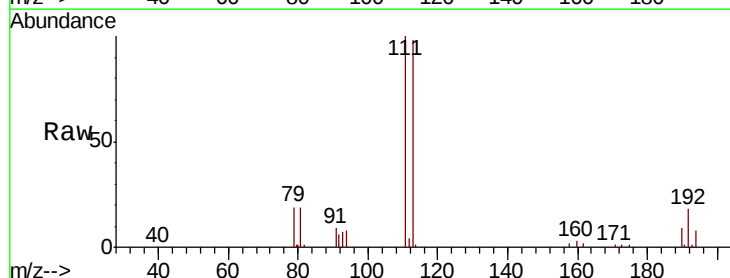
Tgt Ion:113 Resp: 309622

Ion Ratio Lower Upper

113 100

111 102.1 78.5 117.7

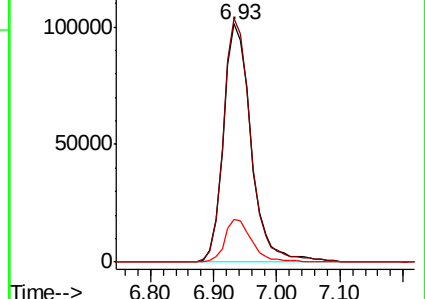
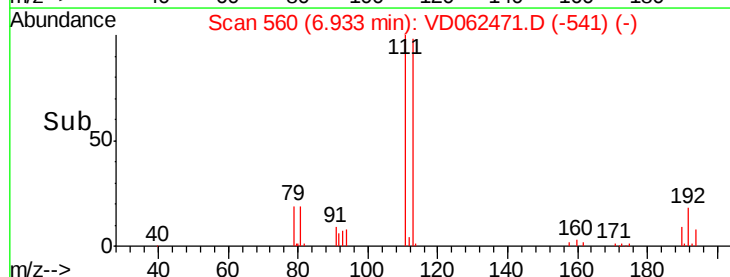
192 18.1 13.0 19.4

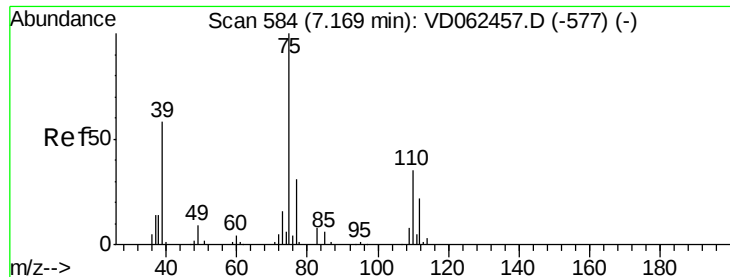


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.560 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.11 min

Lab File: VD062471.D

Acq: 20 May 2019 22:13

Instrument :

MSVOA_D

ClientSampleId :

ROCKY-SOIL

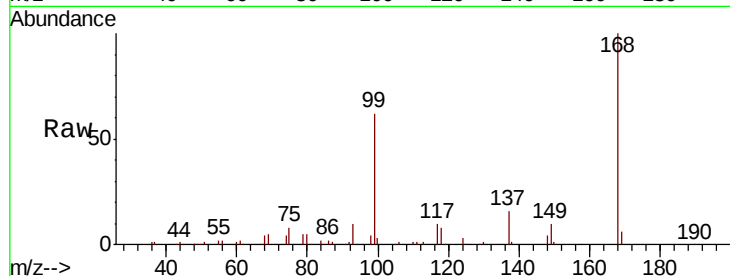
Tot Ion: 75 Resp: 55625

Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.1#

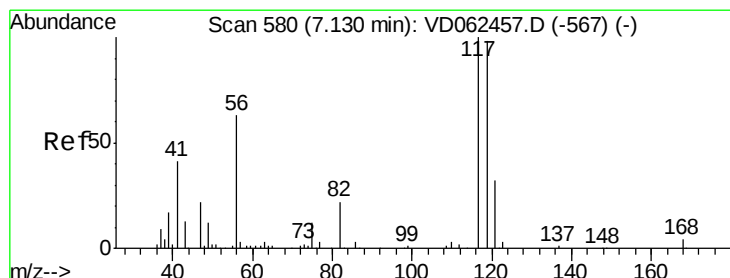
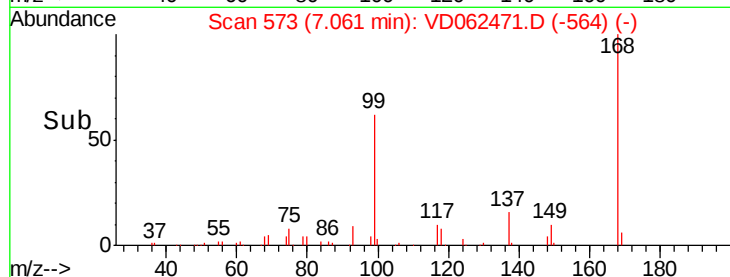
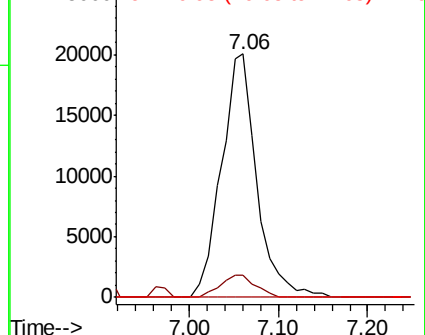
77 0.0 25.6 38.4#



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: 4.810 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.08 min

Lab File: VD062471.D

Acq: 20 May 2019 22:13

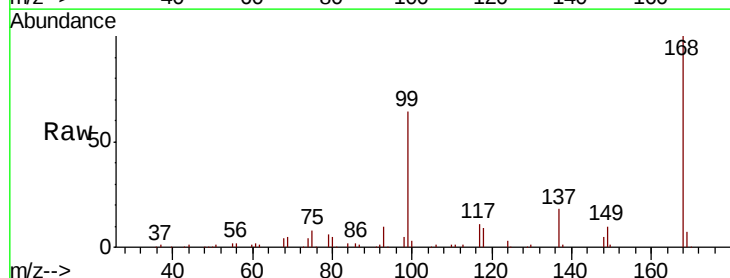
Tgt Ion: 117 Resp: 71521

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

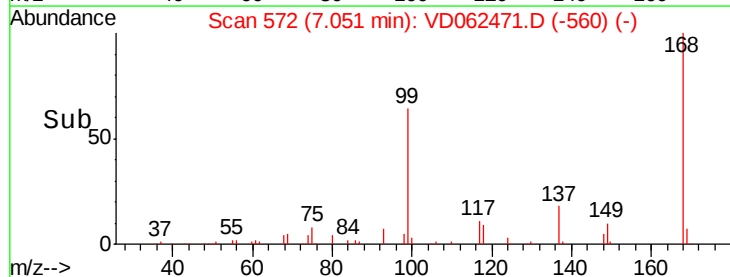
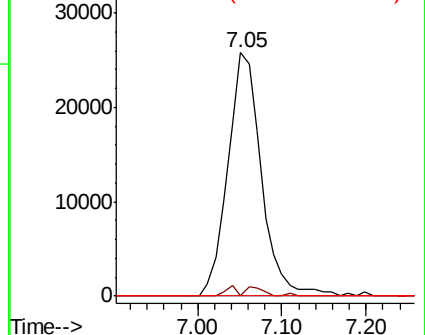
121 0.0 25.9 38.9#

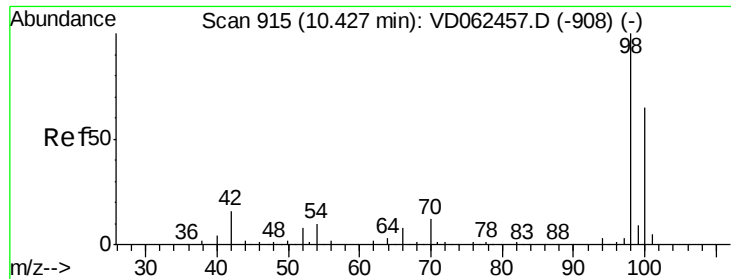


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

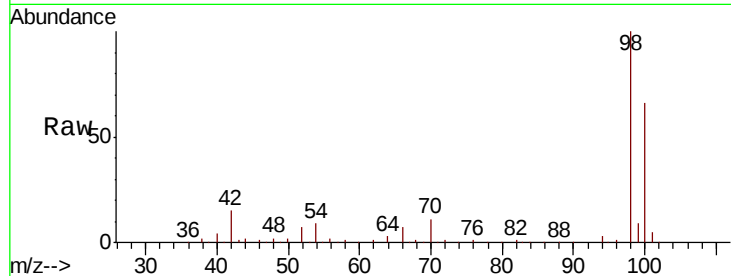




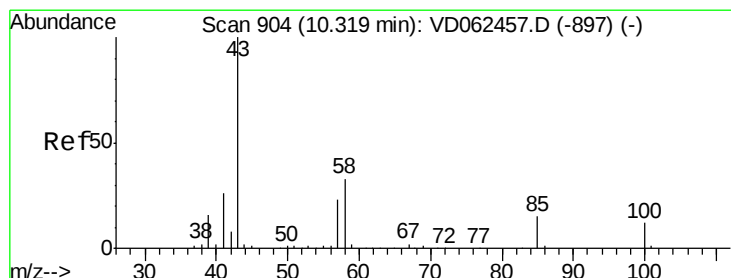
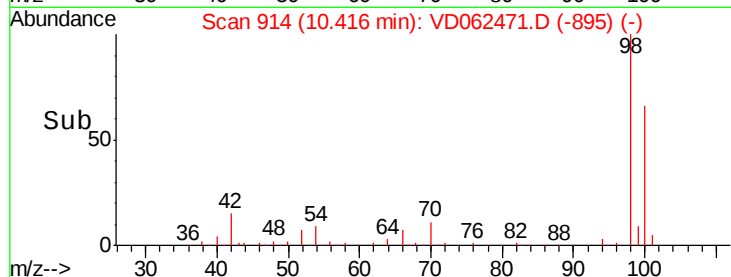
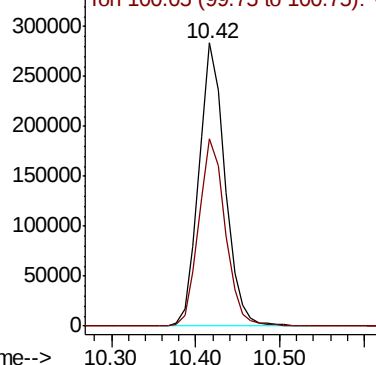
#50
Toluene-d8
Concen: 29.644 ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD062471.D
Acq: 20 May 2019 22:13

Instrument :
MSVOA_D
ClientSampleId :
ROCKY-SOIL

Tot Ion: 98 Resp: 612384
Ion Ratio Lower Upper
98 100
100 66.3 53.8 80.8

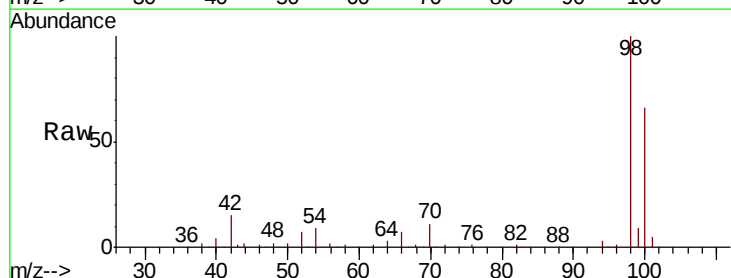


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

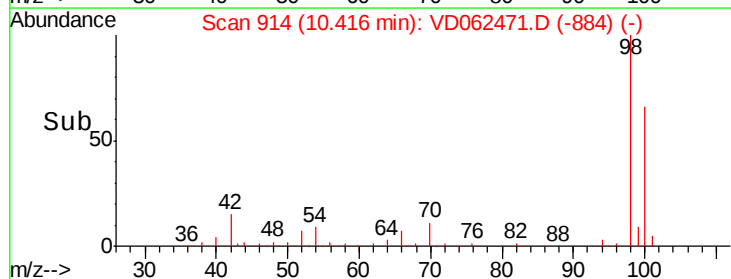
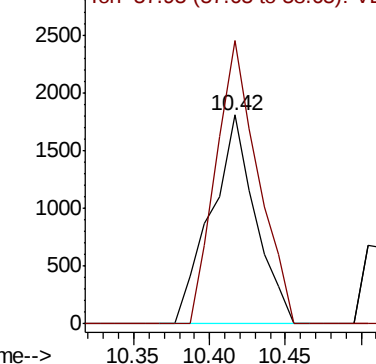


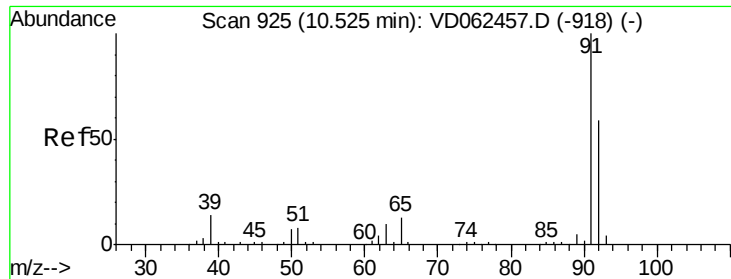
#51
4-Methyl-2-Pentanone
Concen: 1.087 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.10 min
Lab File: VD062471.D
Acq: 20 May 2019 22:13

Tgt Ion: 43 Resp: 3703
Ion Ratio Lower Upper
43 100
58 135.5 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 6.868 ug/l

RT: 10.51 min Scan# 924

Delta R.T. -0.01 min

Lab File: VD062471.D

Acq: 20 May 2019 22:13

Instrument :

MSVOA_D

ClientSampleId :

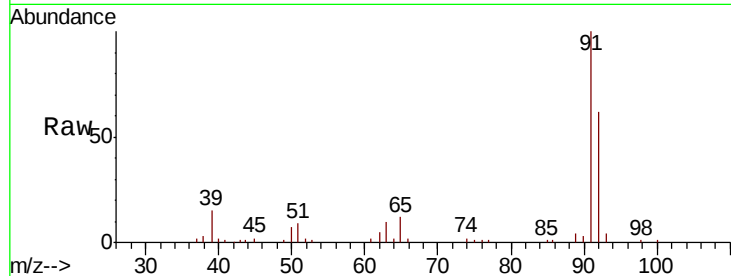
ROCKY-SOIL

Tot Ion: 92 Resp: 92270

Ion Ratio Lower Upper

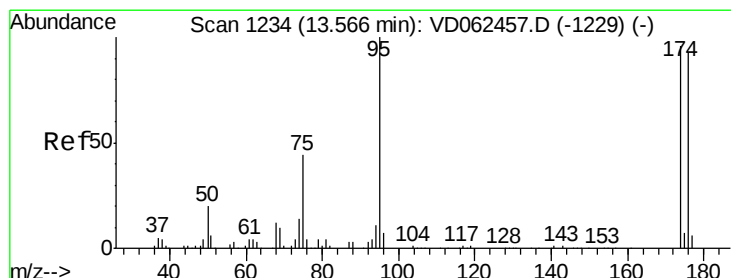
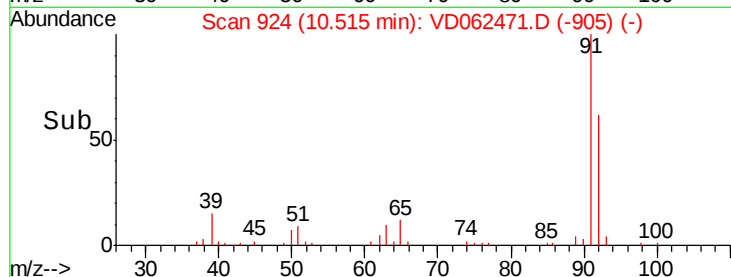
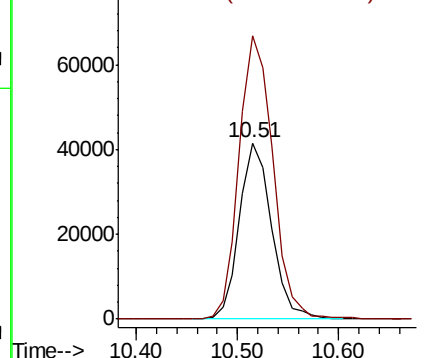
92 100

91 160.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 29.873 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.01 min

Lab File: VD062471.D

Acq: 20 May 2019 22:13

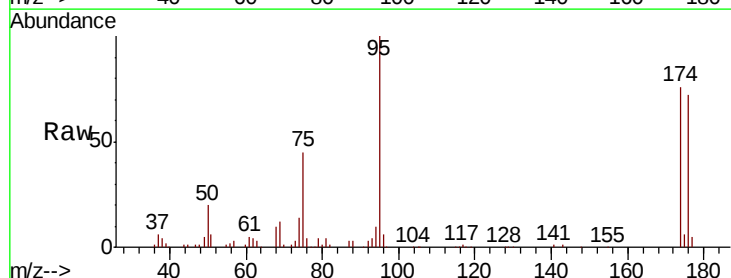
Tgt Ion: 95 Resp: 269946

Ion Ratio Lower Upper

95 100

174 75.8 0.0 181.8

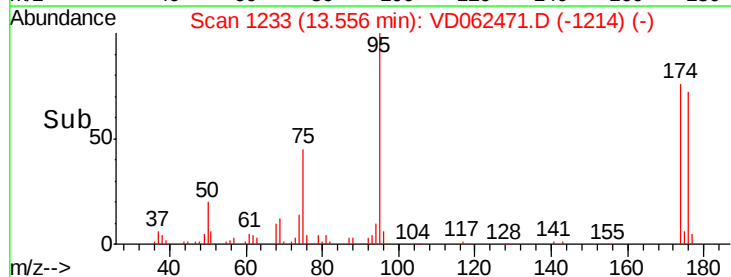
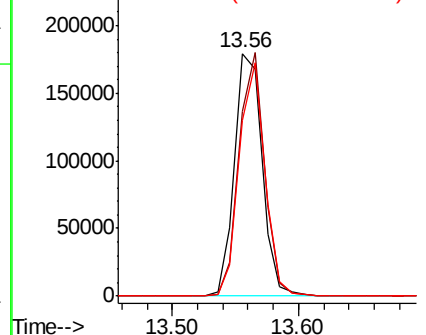
176 72.5 0.0 174.4

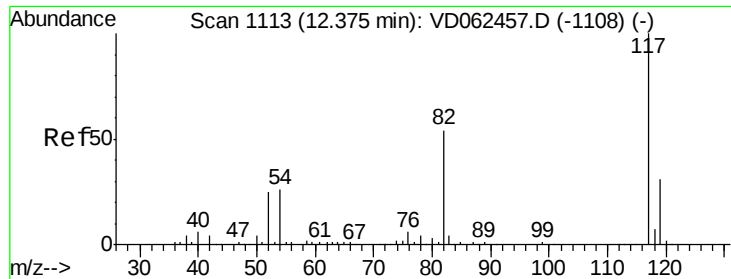


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VD062471.D

Acq: 20 May 2019 22:13

Instrument :

MSVOA_D

ClientSampleId :

ROCKY-SOIL

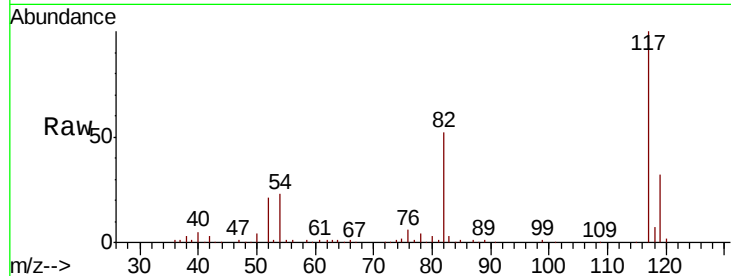
Tot Ion:117 Resp: 803965

Ion Ratio Lower Upper

117 100

82 52.0 36.2 54.2

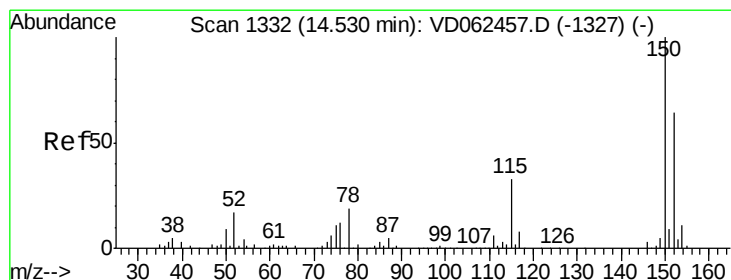
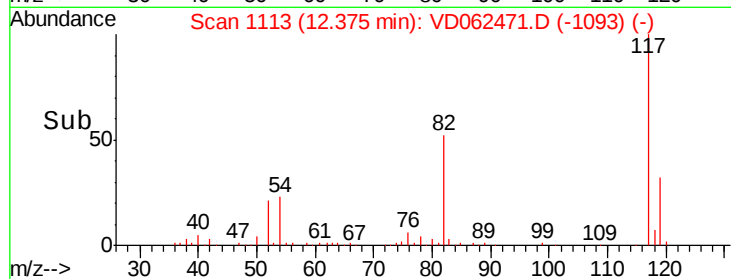
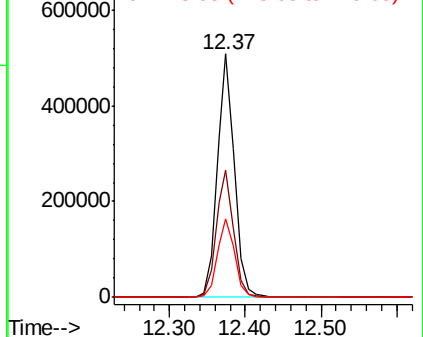
119 32.3 26.2 39.4



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): VD

Ion 118.95 (118.65 to 119.65): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VD062471.D

Acq: 20 May 2019 22:13

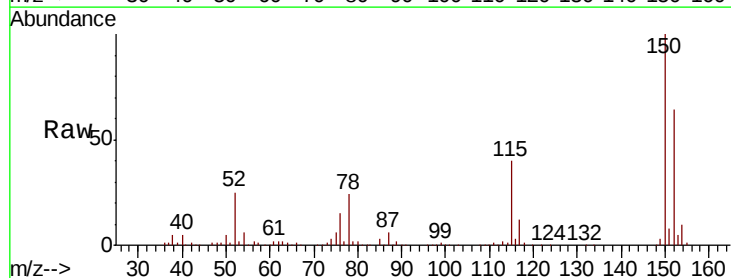
Tgt Ion:152 Resp: 402068

Ion Ratio Lower Upper

152 100

115 63.2 30.9 92.7

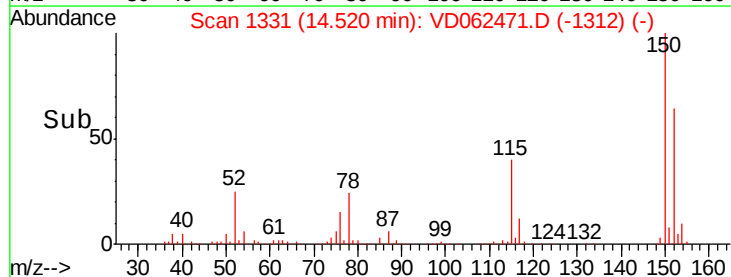
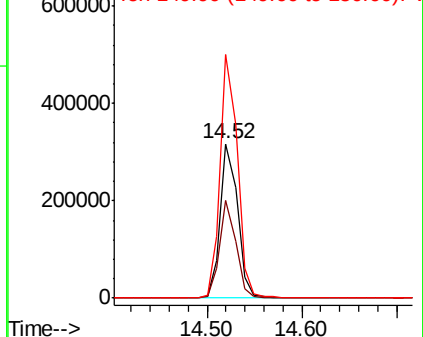
150 157.5 0.0 314.8

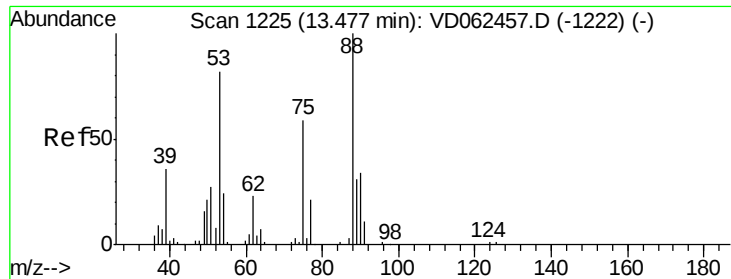


Abundance Ion 151.90 (151.60 to 152.60): V

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: 88.938 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062471.D

Acq: 20 May 2019 22:13

Instrument :

MSVOA_D

ClientSampleId :

ROCKY-SOIL

Tot Ion: 75 Resp: 118790

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

