

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062889.D
 Acq On : 25 Jun 2019 19:47
 Operator : VA/AP
 Sample : K3518-02
 Misc : 5.01g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CP-S2-SOIL

Quant Time: Jun 26 05:36:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	681922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	895035	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	744703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	317485	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	405167	54.66	ug/l	0.00
Spiked Amount			Recovery	=	109.32%	
35) Dibromofluoromethane	6.93	113	429668	56.93	ug/l	0.00
Spiked Amount			Recovery	=	113.86%	
50) Toluene-d8	10.41	98	845550	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	13.56	95	340669	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	

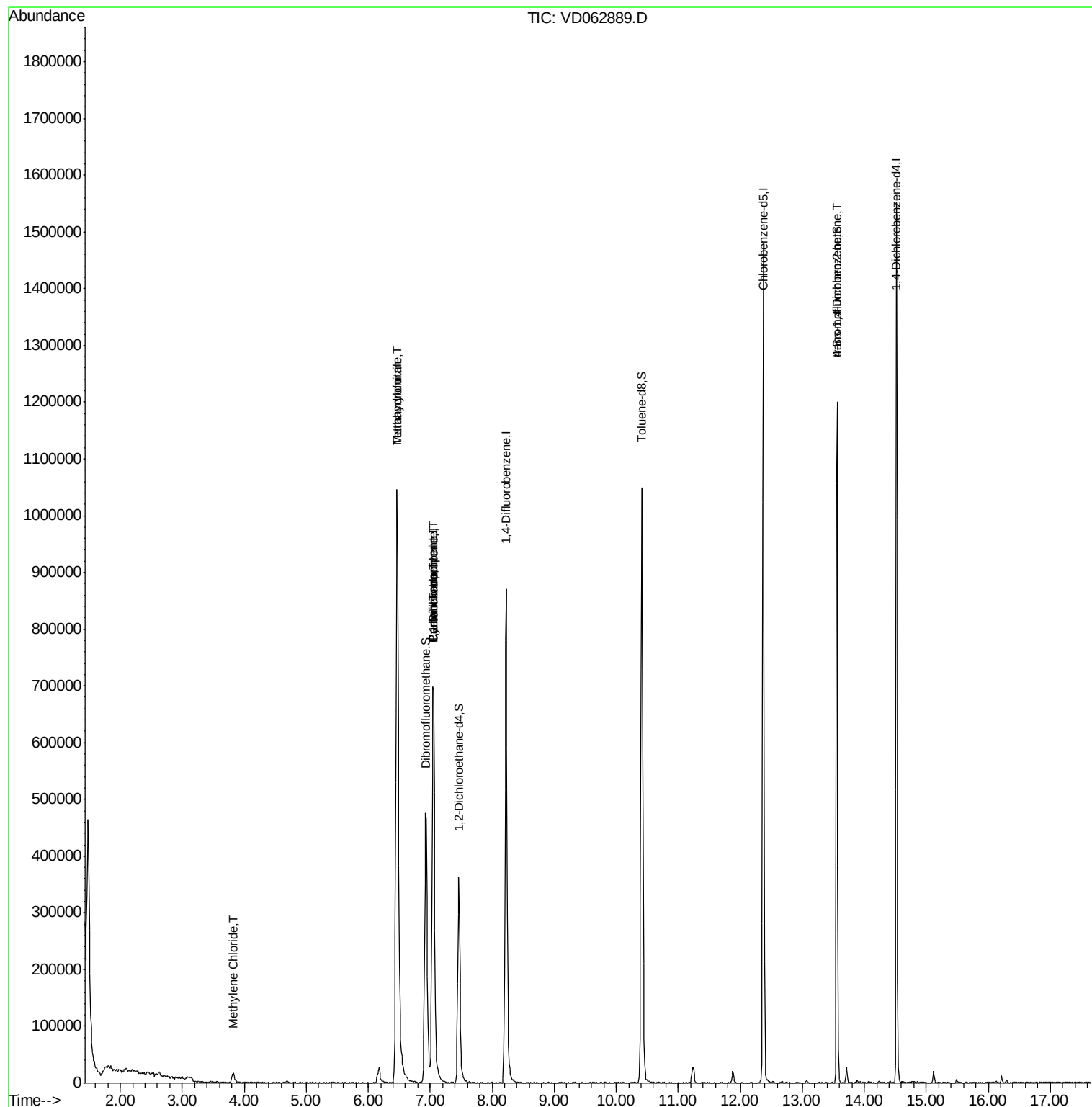
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	1554	Below Cal	#	64
20) Methylene Chloride	3.83	84	10757	1.903	ug/l #	75
29) Tetrahydrofuran	6.46	42	852946	1300.357	ug/l	96
31) Cyclohexane	7.05	56	15649	2.248	ug/l #	23
36) 1,1-Dichloropropene	7.05	75	58957	6.958	ug/l #	52
37) Ethyl Acetate	6.15	43	1056	Below Cal	#	69
38) Carbon Tetrachloride	7.06	117	70951	5.568	ug/l #	16
41) Methacrylonitrile	6.46	41	657287	147.103	ug/l #	81
81) trans-1,4-Dichloro-2-buten	13.55	75	170400	177.394	ug/l #	2

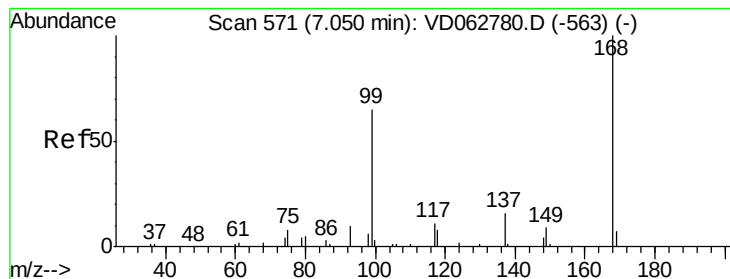
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062889.D

Acq: 25 Jun 2019 19:47

Instrument :

MSVOA_D

ClientSampleId :

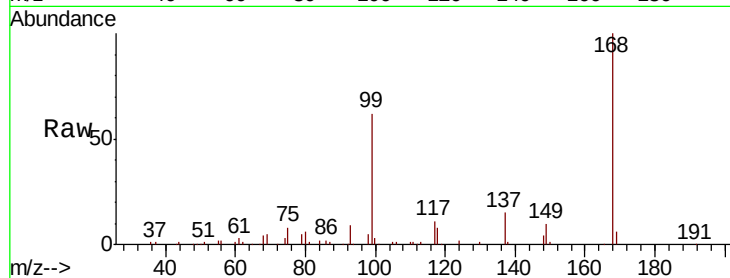
CP-S2-SOIL

Tot Ion:168 Resp: 681922

Ion Ratio Lower Upper

168 100

99 61.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

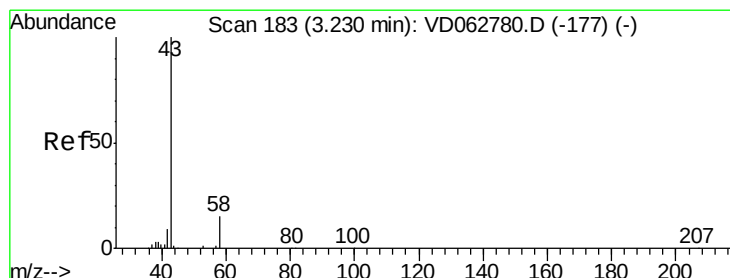
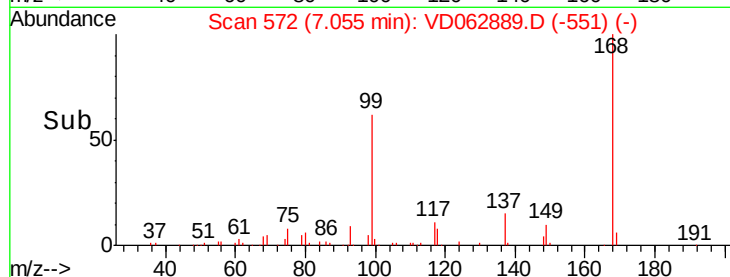
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: Below Cal

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062889.D

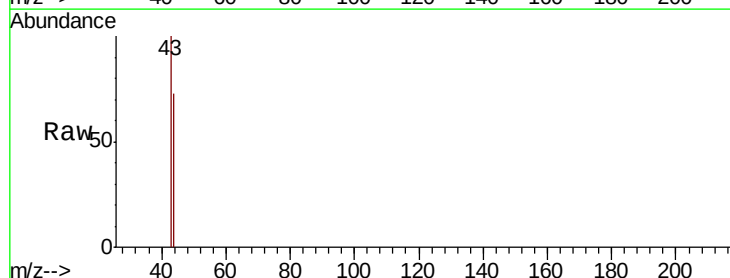
Acq: 25 Jun 2019 19:47

Tgt Ion: 43 Resp: 1554

Ion Ratio Lower Upper

43 100

58 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

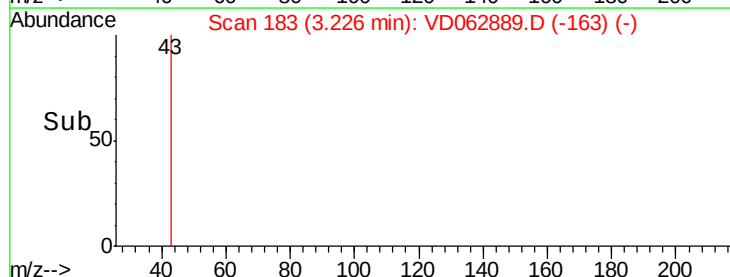
1000

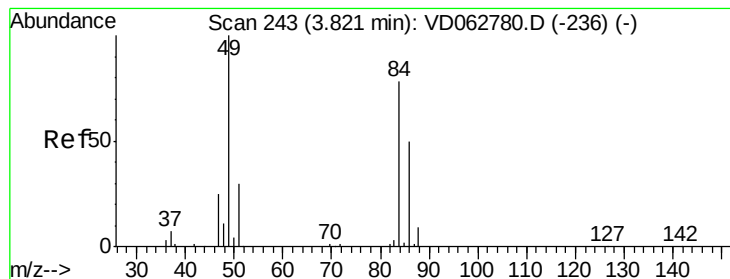
500

0

Time-->

3.20 3.25





#20

Methylene Chloride

Concen: 1.903 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD062889.D

Acq: 25 Jun 2019 19:47

Instrument :

MSVOA_D

ClientSampleId :

CP-S2-SOIL

Tot Ion: 84 Resp: 10757

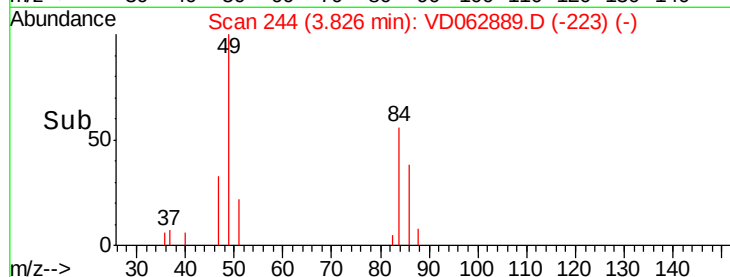
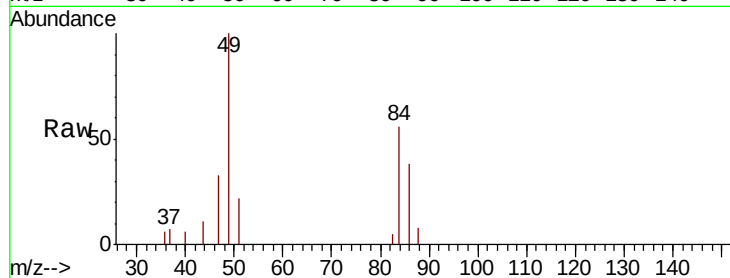
Ion Ratio Lower Upper

84 100

49 177.8 102.9 154.3#

51 38.9 31.2 46.8

86 67.0 51.4 77.2

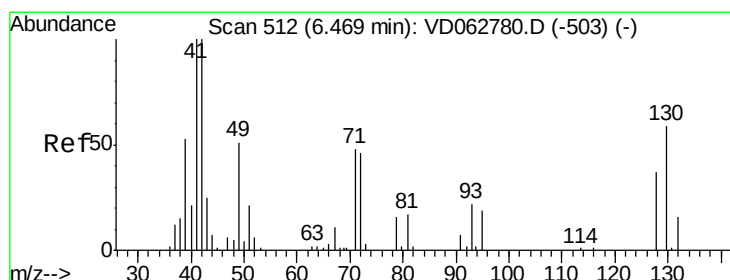
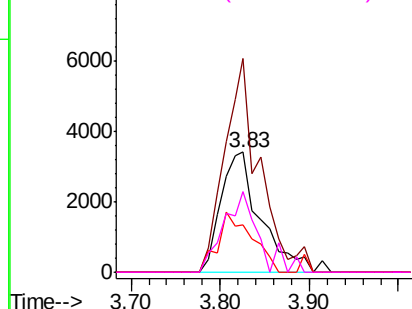


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#29

Tetrahydrofuran

Concen: 1300.357 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062889.D

Acq: 25 Jun 2019 19:47

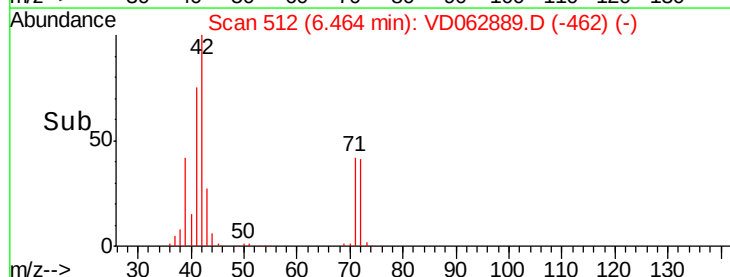
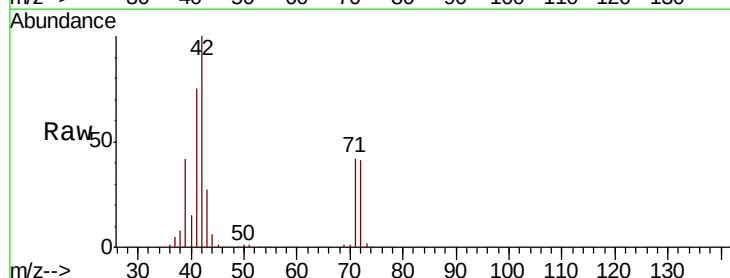
Tgt Ion: 42 Resp: 852946

Ion Ratio Lower Upper

42 100

72 40.8 35.0 52.6

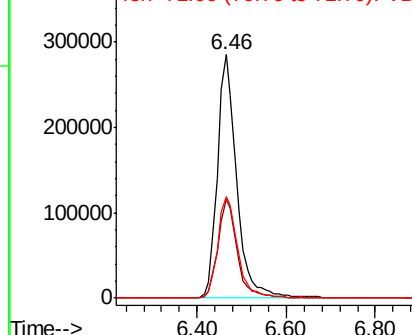
71 43.5 33.3 49.9

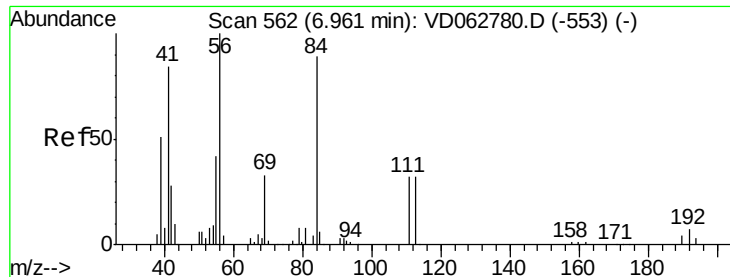


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 2.248 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.08 min

Lab File: VD062889.D

Acq: 25 Jun 2019 19:47

Instrument :

MSVOA_D

ClientSampled :

CP-S2-SOIL

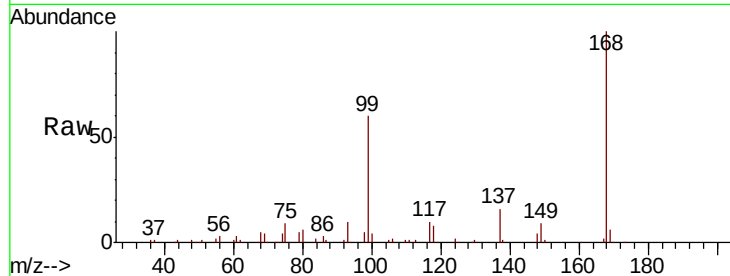
Tot Ion: 56 Resp: 15649

Ion Ratio Lower Upper

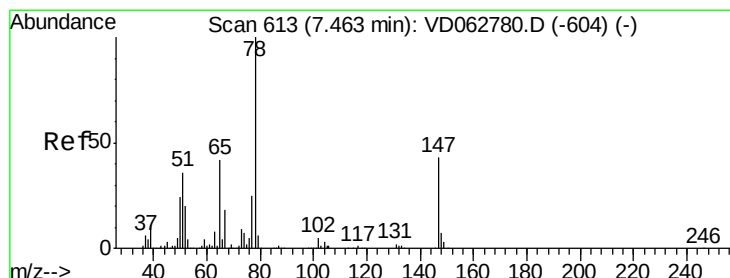
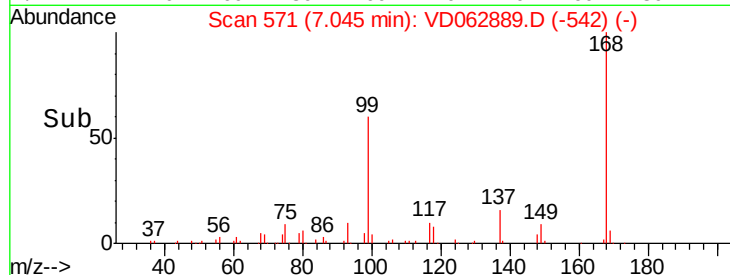
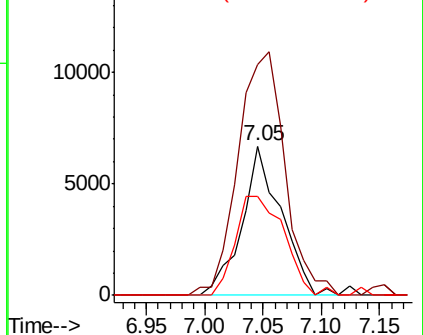
56 100

69 154.2 26.6 39.8#

84 65.9 75.5 113.3#



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: 54.661 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062889.D

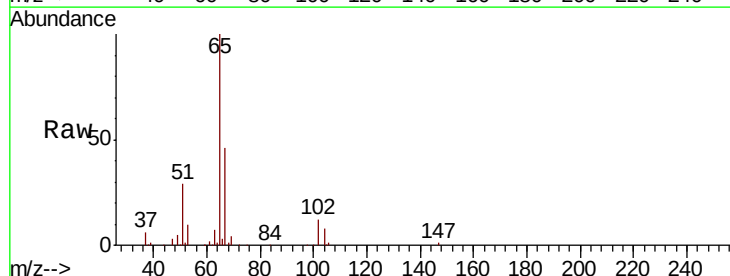
Acq: 25 Jun 2019 19:47

Tgt Ion: 65 Resp: 405167

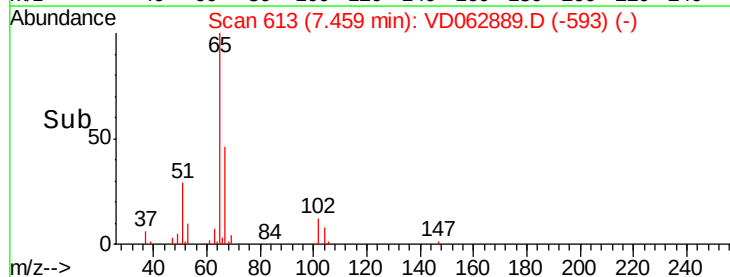
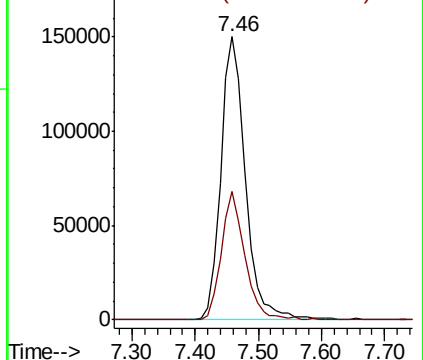
Ion Ratio Lower Upper

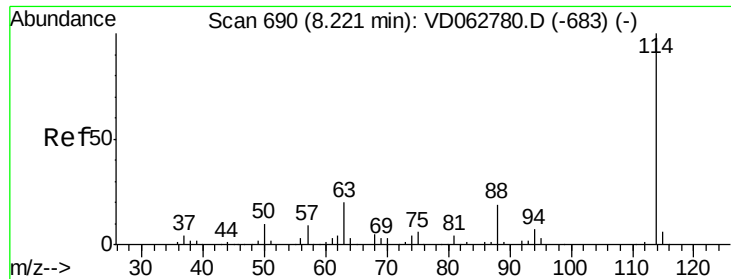
65 100

67 45.6 0.0 87.4



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

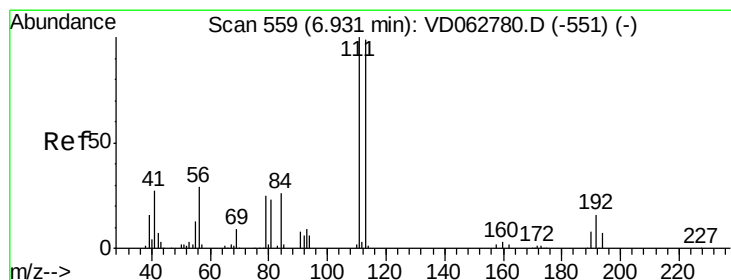
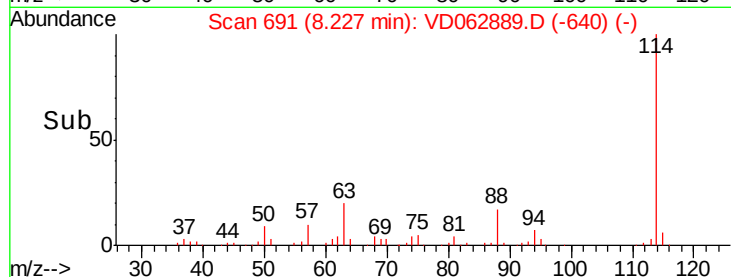
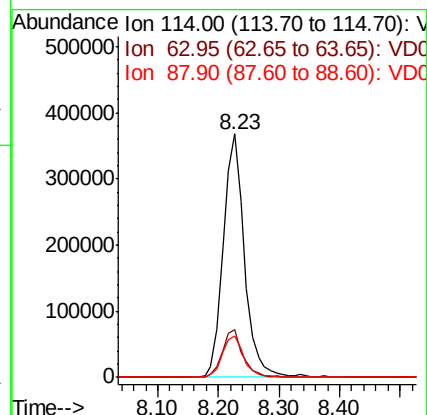
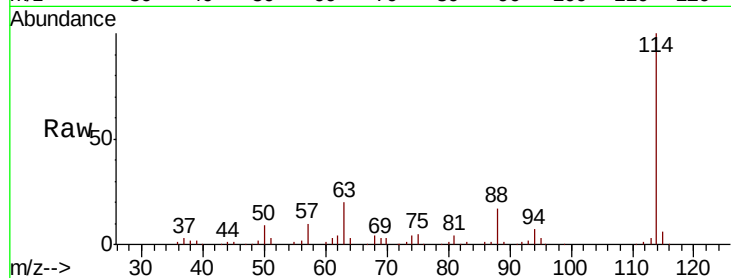




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062889.D
 Acq: 25 Jun 2019 19:47

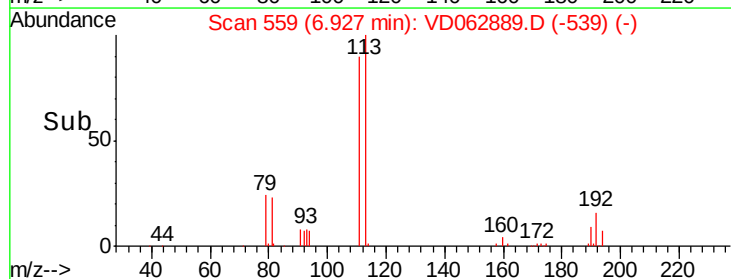
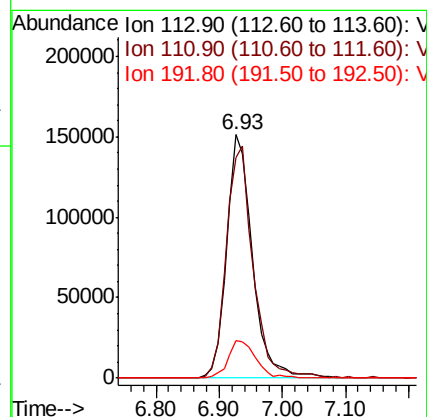
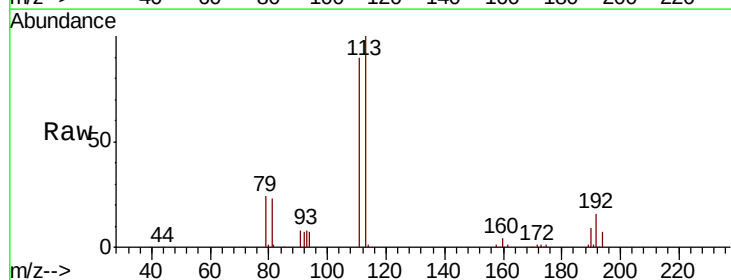
Instrument :
 MSVOA_D
 ClientSampleId :
 CP-S2-SOIL

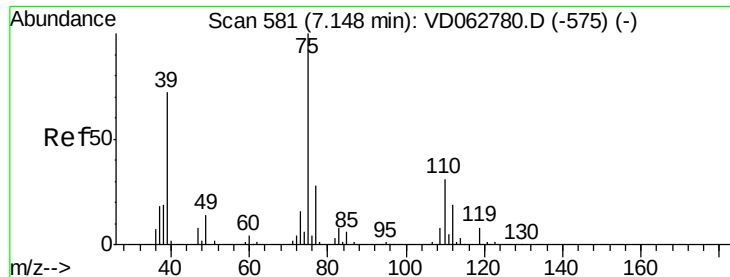
Tot Ion:114	Resp:	895035
Ion Ratio	Lower	Upper
114 100		
63 19.8	0.0	40.0
88 16.9	0.0	38.8



#35
 Dibromofluoromethane
 Concen: 56.933 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD062889.D
 Acq: 25 Jun 2019 19:47

Tgt Ion:113	Resp:	429668
Ion Ratio	Lower	Upper
113 100		
111 90.4	81.2	121.8
192 15.6	12.9	19.3

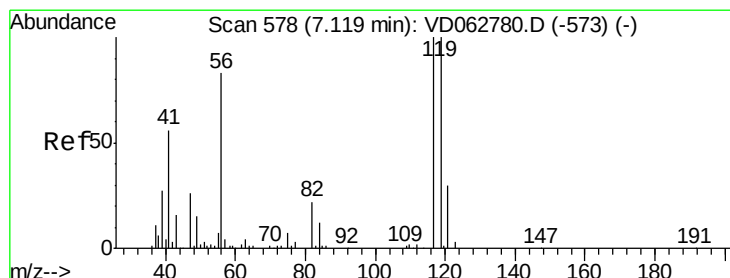
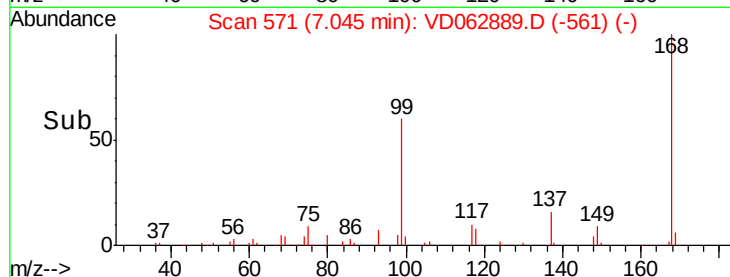
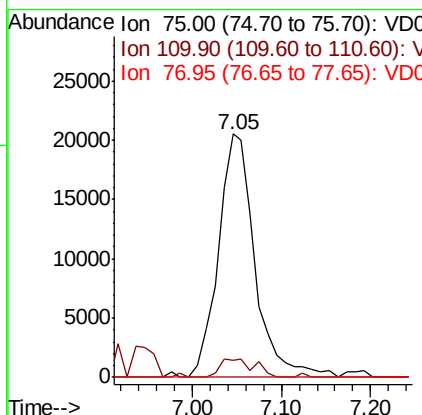
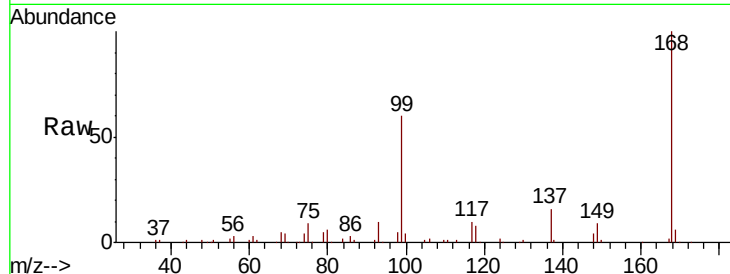




#36
 1,1-Dichloropropene
 Concen: 6.958 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.10 min
 Lab File: VD062889.D
 Acq: 25 Jun 2019 19:47

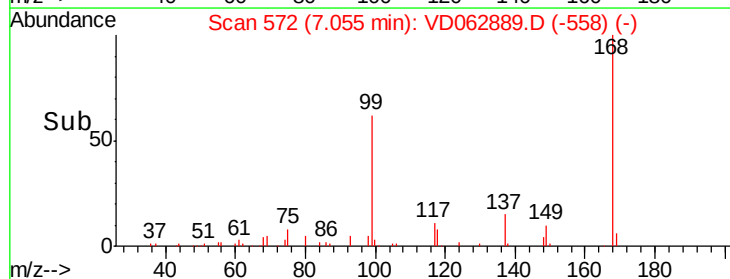
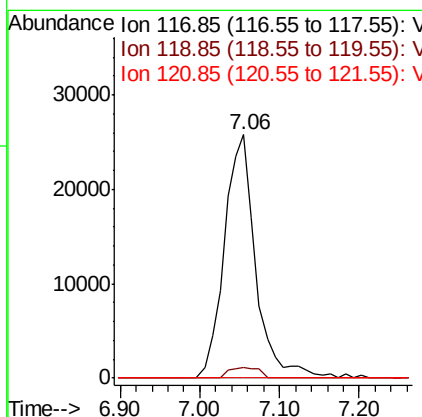
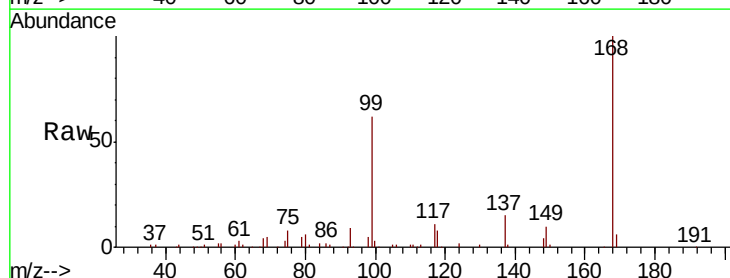
Instrument :
 MSVOA_D
 ClientSampleID :
 CP-S2-SOIL

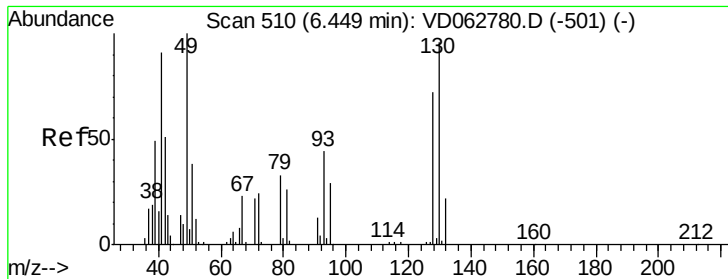
Tot Ion	75	Resp	58957
Ion Ratio	Lower	Upper	
75	100		
110	6.9	15.0	45.1#
77	0.0	22.2	33.2#



#38
 Carbon Tetrachloride
 Concen: 5.568 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD062889.D
 Acq: 25 Jun 2019 19:47

Tgt Ion	117	Resp	70951
Ion Ratio	Lower	Upper	
117	100		
119	4.3	75.4	113.2#
121	0.0	22.3	33.5#





#41

Methacrylonitrile

Concen: 147.103 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD062889.D

Acq: 25 Jun 2019 19:47

Instrument :

MSVOA_D

ClientSampleId :

CP-S2-SOIL

Tot Ion: 41 Resp: 657287

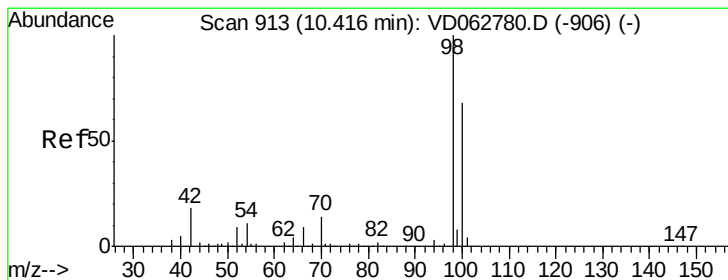
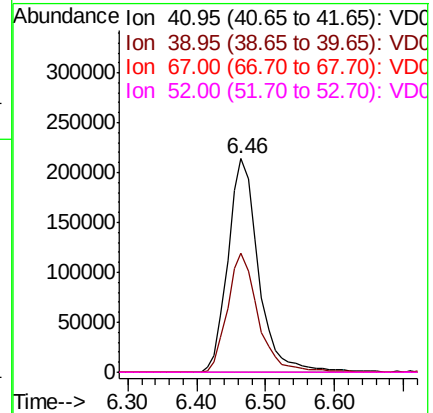
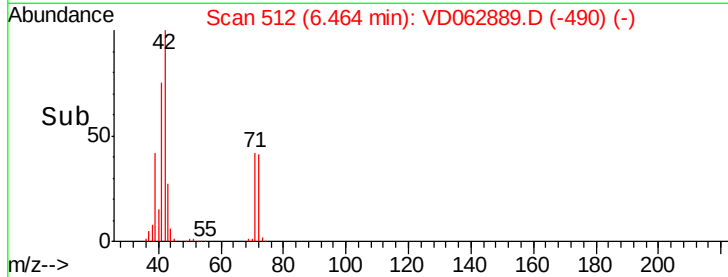
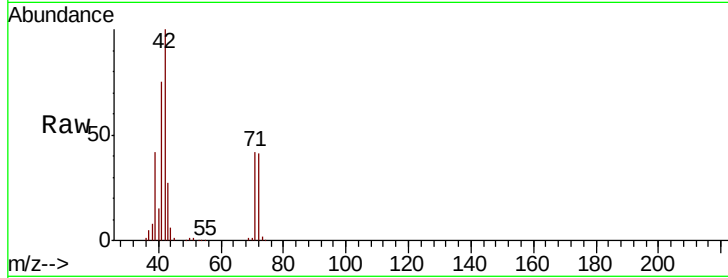
Ion Ratio Lower Upper

41 100

39 55.5 43.2 64.8

67 0.0 19.9 29.9#

52 0.0 10.2 15.4#



#50

Toluene-d8

Concen: 51.478 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD062889.D

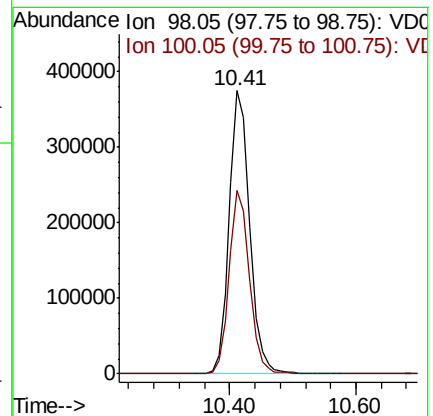
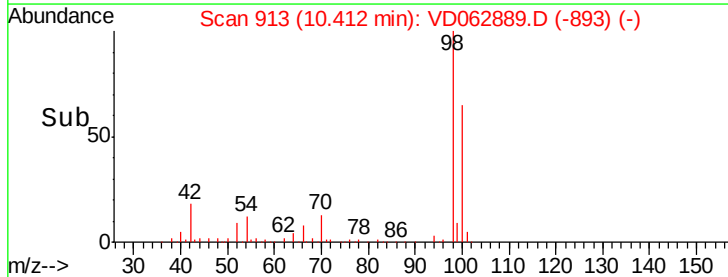
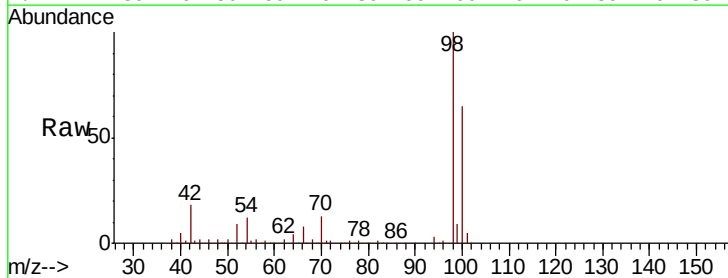
Acq: 25 Jun 2019 19:47

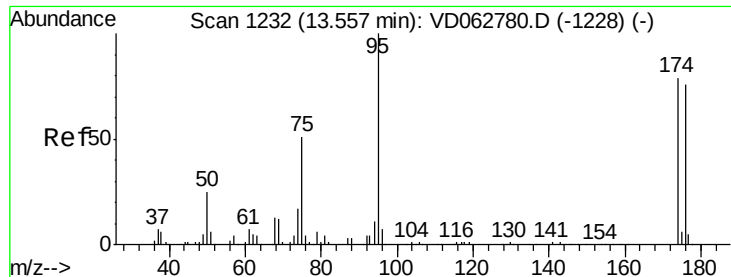
Tgt Ion: 98 Resp: 845550

Ion Ratio Lower Upper

98 100

100 64.8 54.7 82.1





#62

4-Bromofluorobenzene

Concen: 45.612 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062889.D

Acq: 25 Jun 2019 19:47

Instrument :

MSVOA_D

ClientSampleId :

CP-S2-SOIL

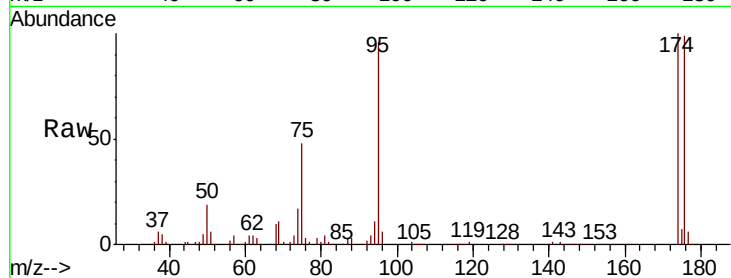
Tot Ion: 95 Resp: 340669

Ion Ratio Lower Upper

95 100

174 104.4 0.0 158.0

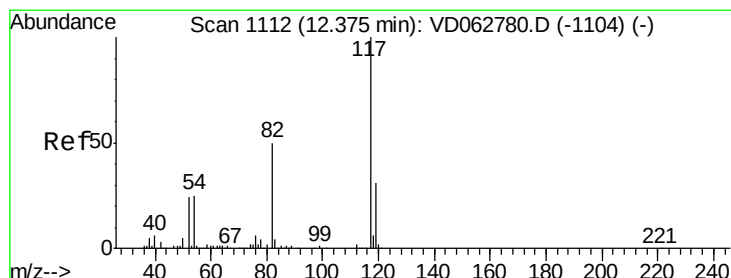
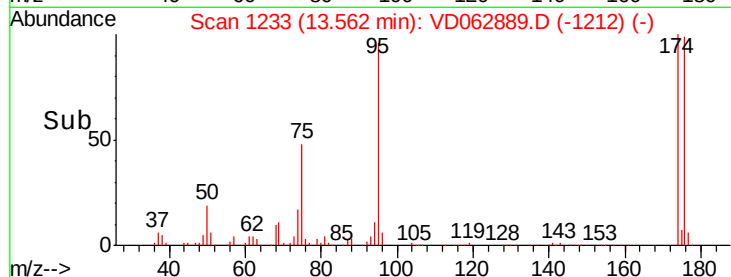
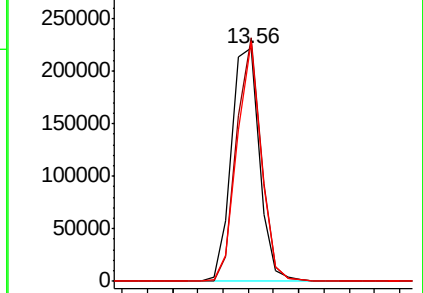
176 103.1 0.0 151.6



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: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD062889.D

Acq: 25 Jun 2019 19:47

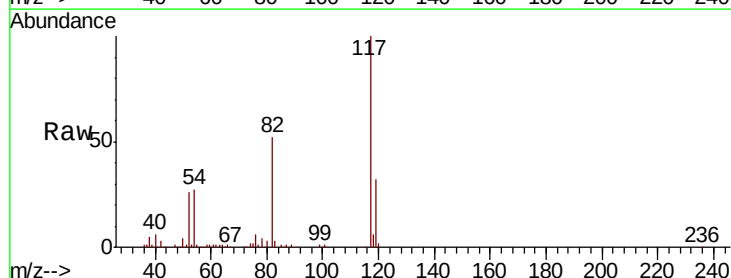
Tgt Ion: 117 Resp: 744703

Ion Ratio Lower Upper

117 100

82 52.5 40.4 60.6

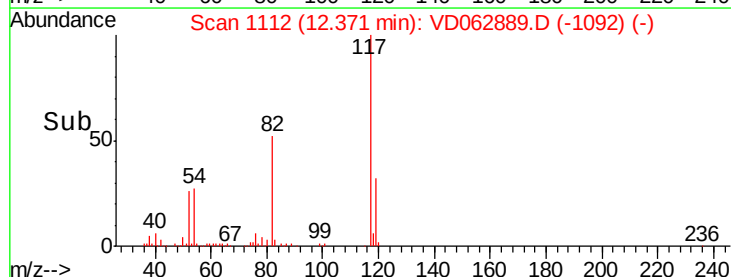
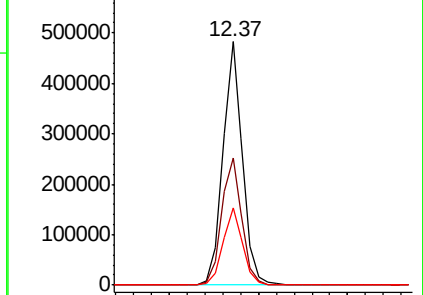
119 31.8 25.2 37.8

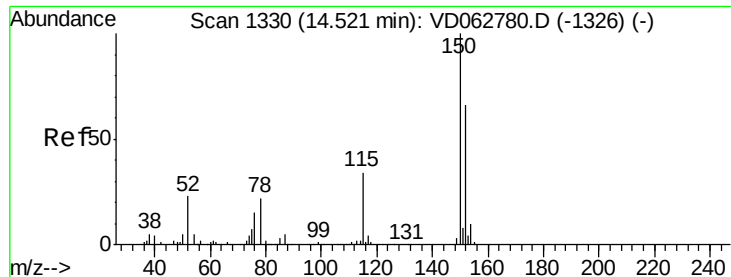


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062889.D

Acq: 25 Jun 2019 19:47

Instrument :

MSVOA_D

ClientSampleId :

CP-S2-SOIL

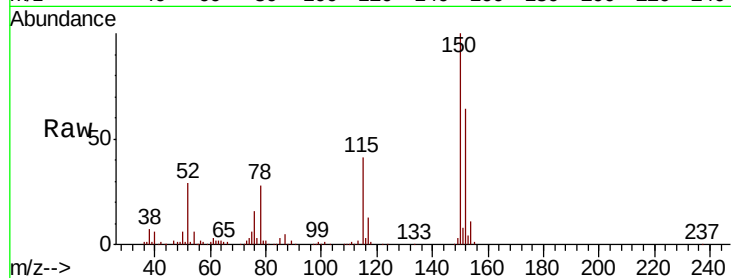
Tot Ion:152 Resp: 317485

Ion Ratio Lower Upper

152 100

115 64.5 29.2 87.6

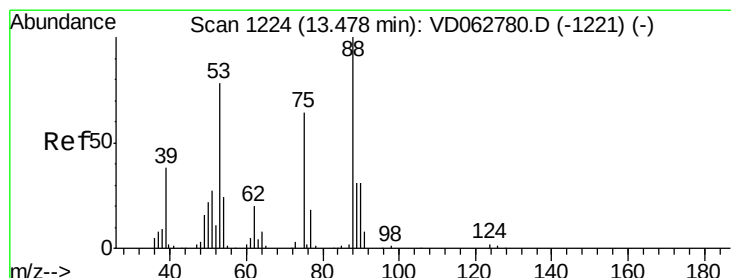
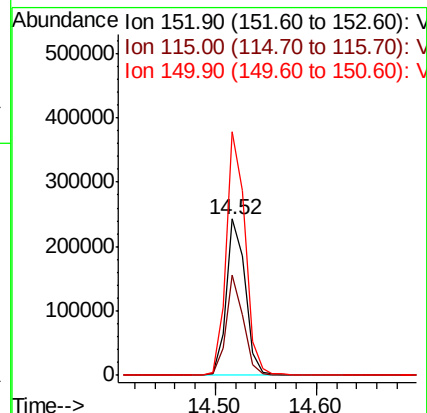
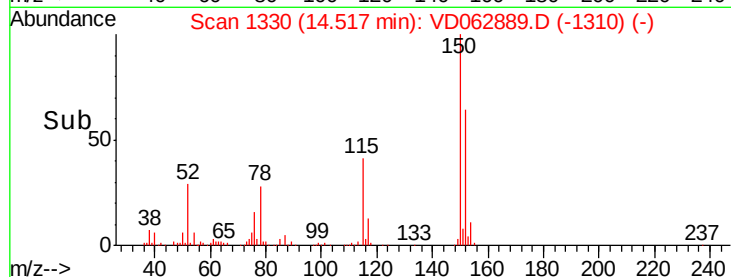
150 155.9 0.0 305.8



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: 177.394 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062889.D

Acq: 25 Jun 2019 19:47

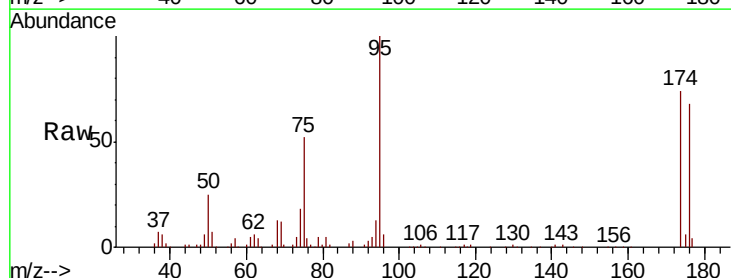
Tgt Ion: 75 Resp: 170400

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

