

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD057979.D
 Acq On : 7 Jun 2018 18:43
 Operator : JC/SY
 Sample : J3352-01
 Misc : 5.23g/5ml/MSVOA_D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PS-SOIL

Quant Time: Jun 08 06:50:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	698239	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	924582	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	712337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	337837	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	321220	46.02	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	92.04%	
35) Dibromofluoromethane	5.54	113	325386	45.49	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	90.98%	
50) Toluene-d8	8.69	98	738403	43.42	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	86.84%	
62) 4-Bromofluorobenzene	11.92	95	290439	39.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.30%	

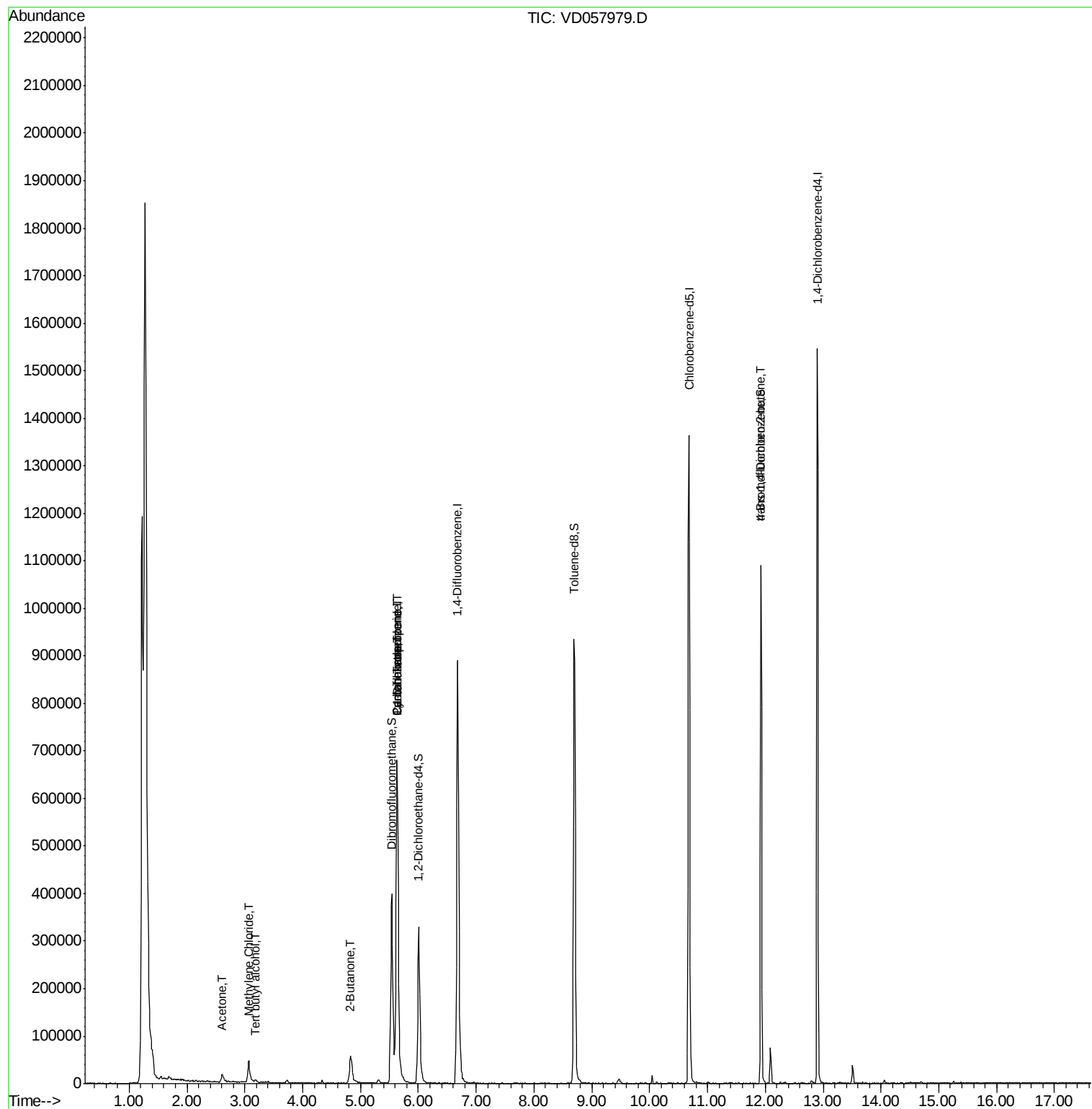
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.19	59	4067	21.748	ug/l #	74
16) Acetone	2.61	43	36169	35.963	ug/l	93
20) Methylene Chloride	3.06	84	23079	1.829	ug/l	85
25) 2-Butanone	4.82	43	7637	3.341	ug/l	99
31) Cyclohexane	5.62	56	16555	1.364	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	63074	6.192	ug/l #	49
38) Carbon Tetrachloride	5.63	117	58357	5.813	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.92	75	142544	113.405	ug/l #	6
82) 4-Chlorotoluene	12.32	91	573	Below Cal	#	50
89) n-Butylbenzene	13.18	91	897	Below Cal	#	30

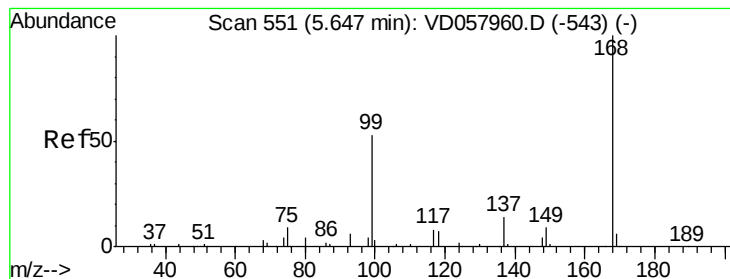
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
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Quant Time: Jun 08 06:50:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD057979.D

Acq: 7 Jun 2018 18:43

Instrument :

MSVOA_D

ClientSampleId :

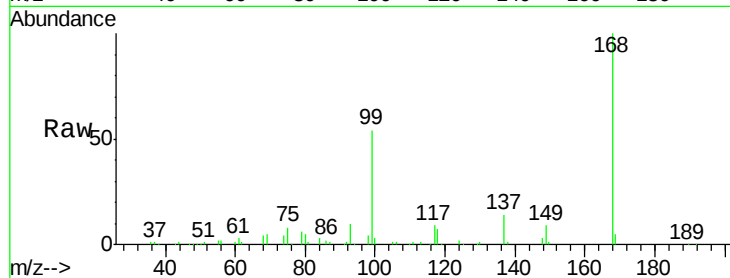
PS-SOIL

Tgt Ion:168 Resp: 698239

Ion Ratio Lower Upper

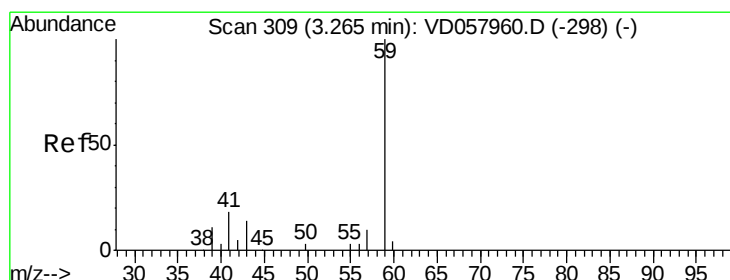
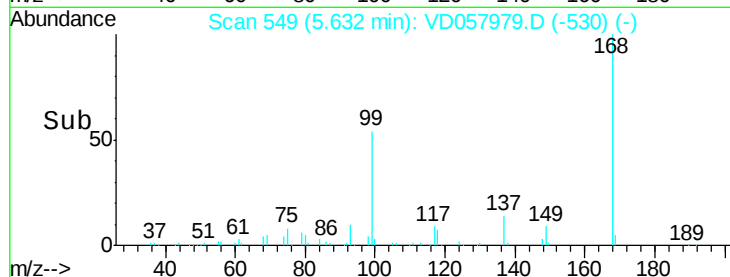
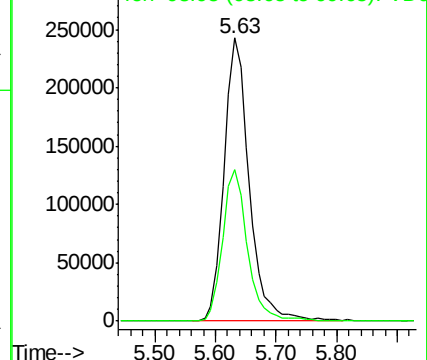
168 100

99 53.5 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 21.748 ug/l

RT: 3.19 min Scan# 301

Delta R.T. -0.07 min

Lab File: VD057979.D

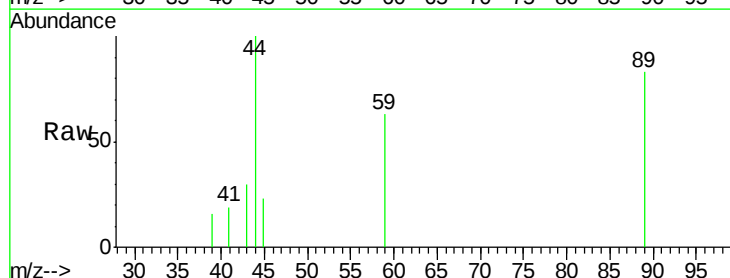
Acq: 7 Jun 2018 18:43

Tgt Ion: 59 Resp: 4067

Ion Ratio Lower Upper

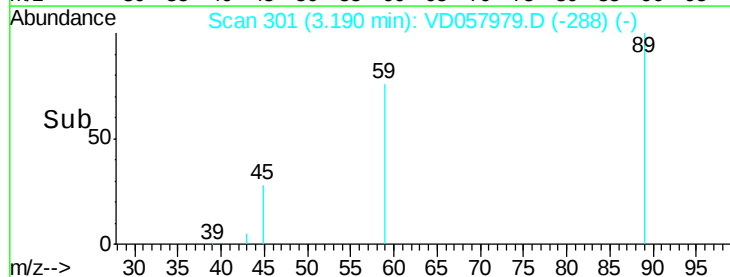
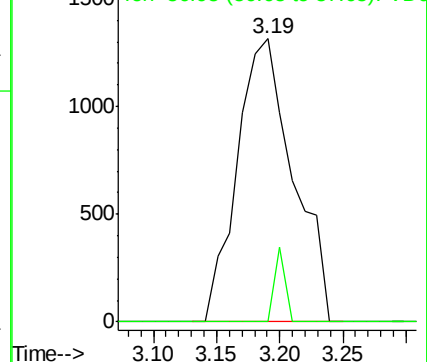
59 100

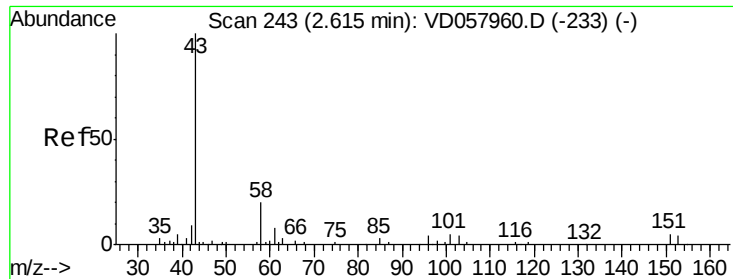
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 35.963 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD057979.D

Acq: 7 Jun 2018 18:43

Instrument :

MSVOA_D

ClientSampleId :

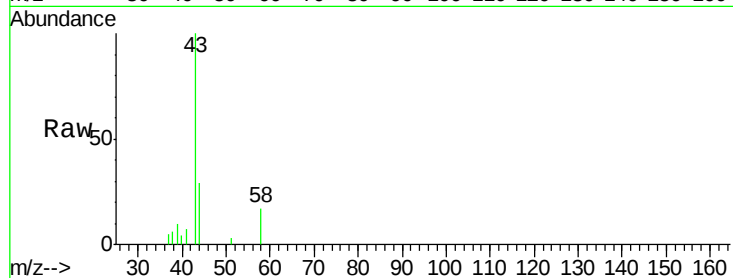
PS-SOIL

Tgt Ion: 43 Resp: 36169

Ion Ratio Lower Upper

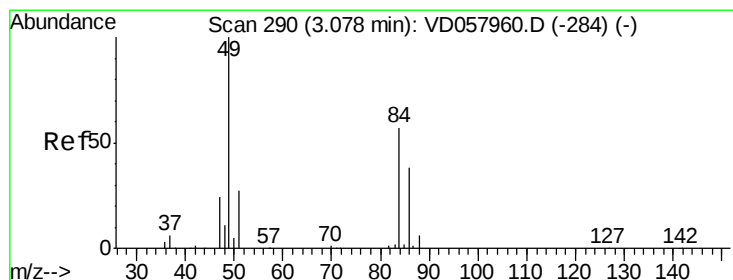
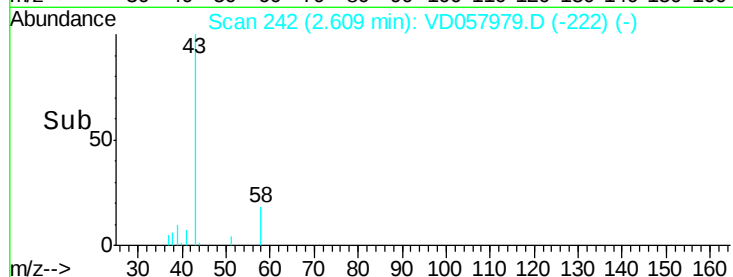
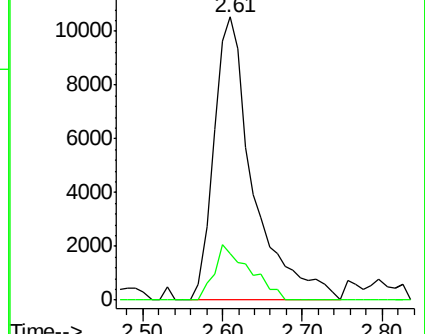
43 100

58 16.6 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 1.829 ug/l

RT: 3.06 min Scan# 288

Delta R.T. -0.01 min

Lab File: VD057979.D

Acq: 7 Jun 2018 18:43

Tgt Ion: 84 Resp: 23079

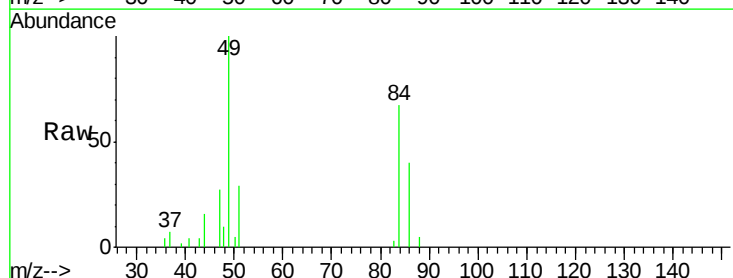
Ion Ratio Lower Upper

84 100

49 149.2 141.4 212.0

51 43.9 38.3 57.5

86 59.8 52.9 79.3

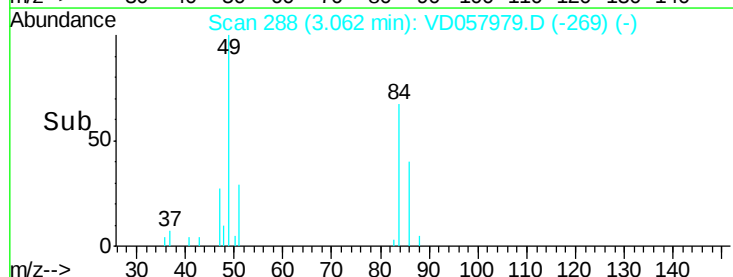
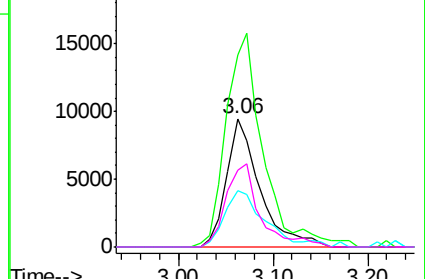


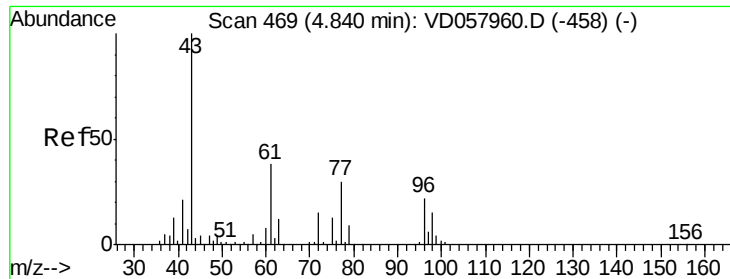
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 3.341 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD057979.D

Acq: 7 Jun 2018 18:43

Instrument :

MSVOA_D

ClientSampleID :

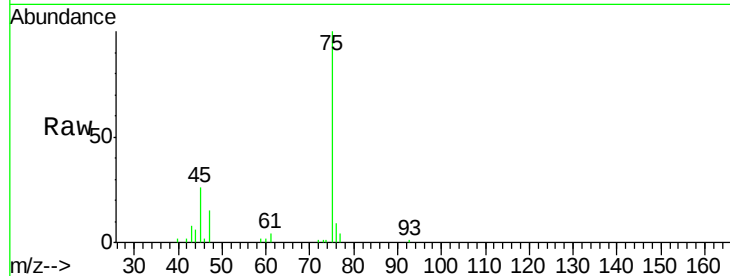
PS-SOIL

Tgt Ion: 43 Resp: 7637

Ion Ratio Lower Upper

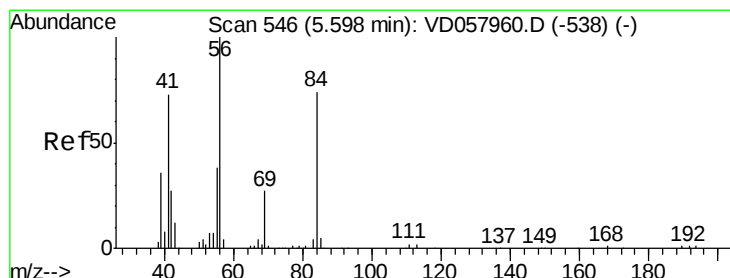
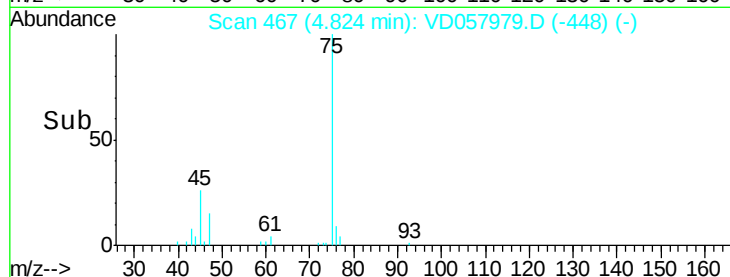
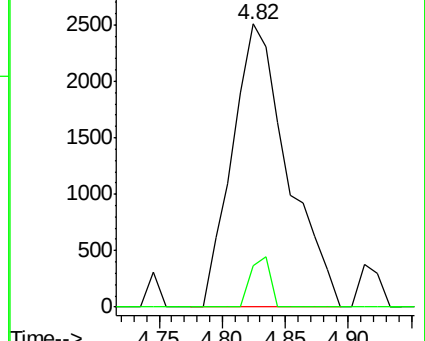
43 100

72 14.5 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.364 ug/l

RT: 5.62 min Scan# 548

Delta R.T. 0.02 min

Lab File: VD057979.D

Acq: 7 Jun 2018 18:43

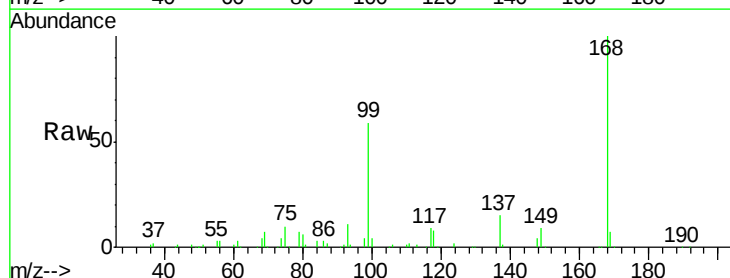
Tgt Ion: 56 Resp: 16555

Ion Ratio Lower Upper

56 100

69 246.1 21.5 32.3#

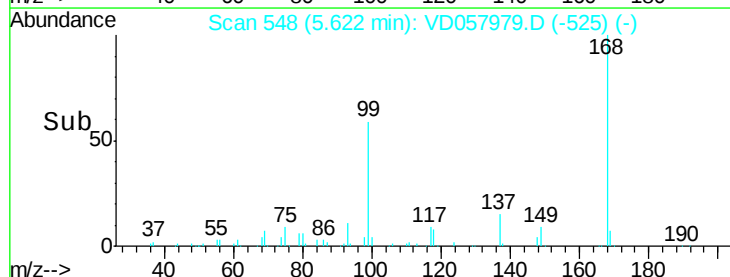
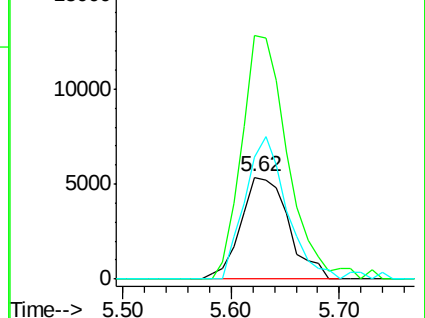
84 120.0 61.0 91.6#

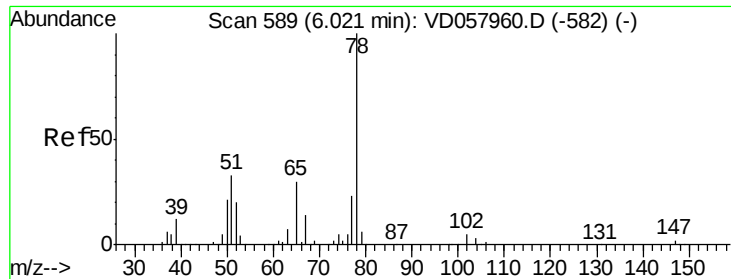


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

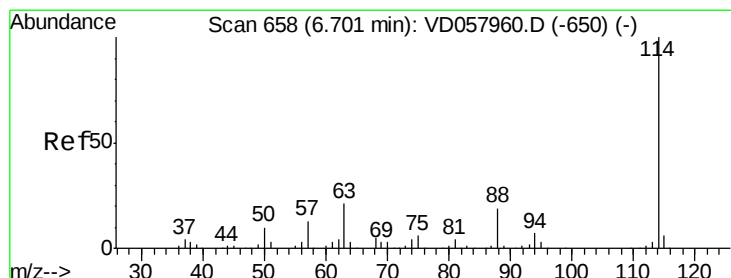
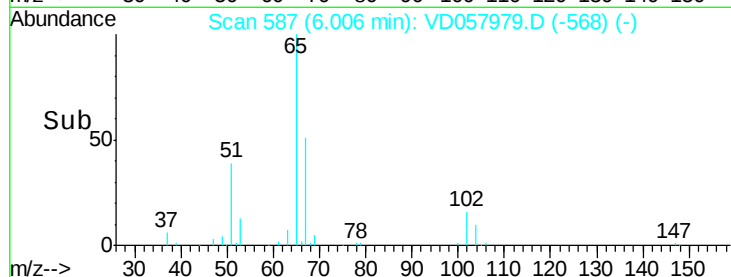
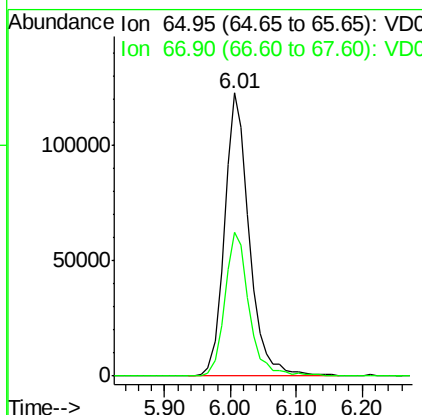
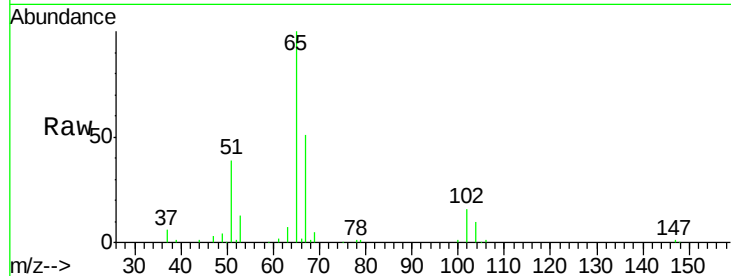




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.01 min Scan# 587
 Delta R.T. -0.02 min
 Lab File: VD057979.D
 Acq: 7 Jun 2018 18:43

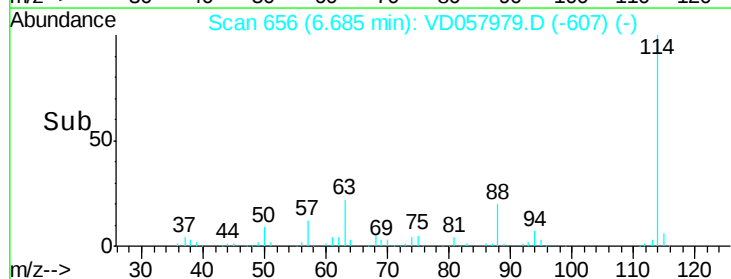
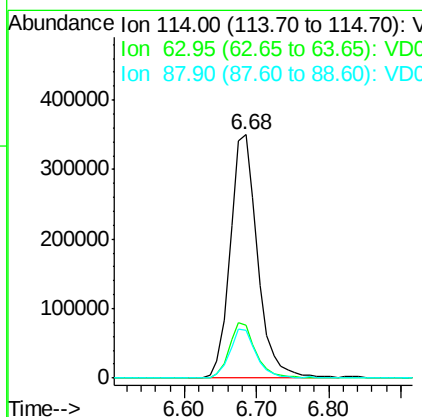
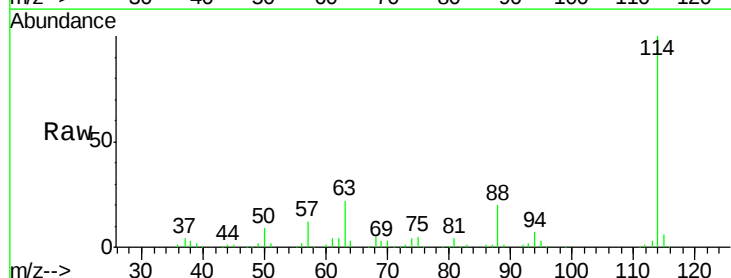
Instrument :
 MSVOA_D
 ClientSampleId :
 PS-SOIL

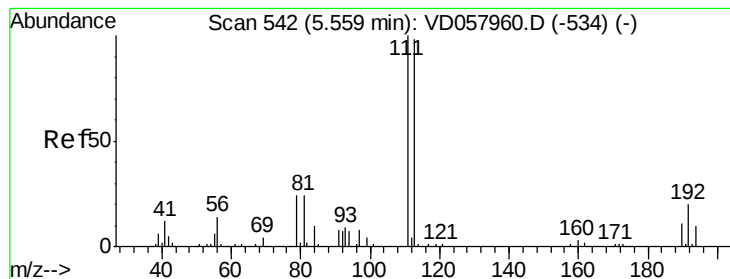
Tgt Ion: 65 Resp: 321220
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD057979.D
 Acq: 7 Jun 2018 18:43

Tgt Ion: 114 Resp: 924582
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.8
 88 19.8 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD057979.D

Acq: 7 Jun 2018 18:43

Instrument :

MSVOA_D

ClientSampleId :

PS-SOIL

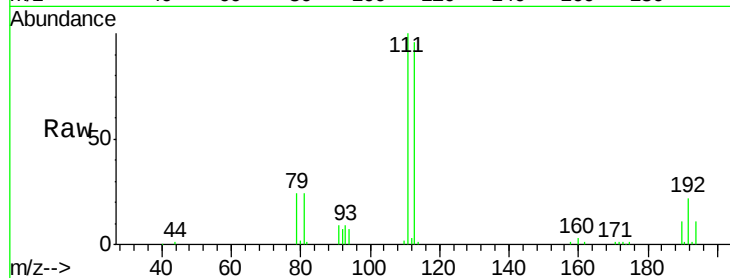
Tgt Ion:113 Resp: 325386

Ion Ratio Lower Upper

113 100

111 104.4 81.5 122.3

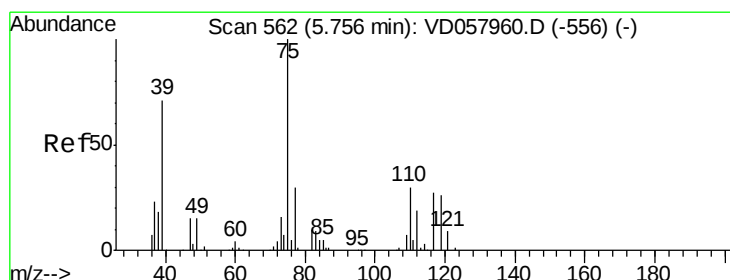
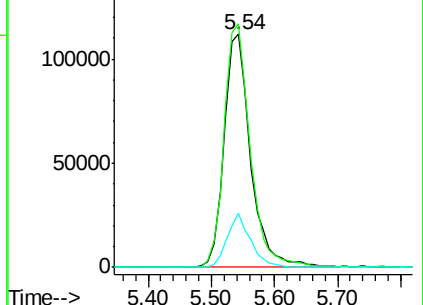
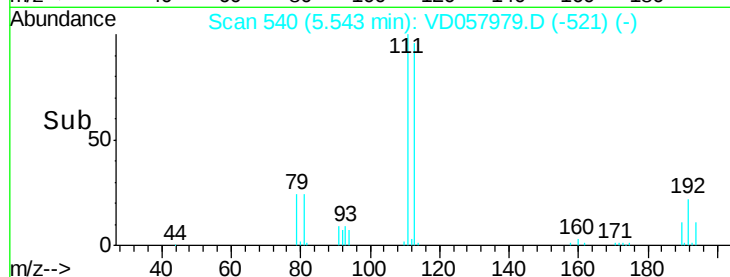
192 23.4 16.4 24.6



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: 6.192 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.12 min

Lab File: VD057979.D

Acq: 7 Jun 2018 18:43

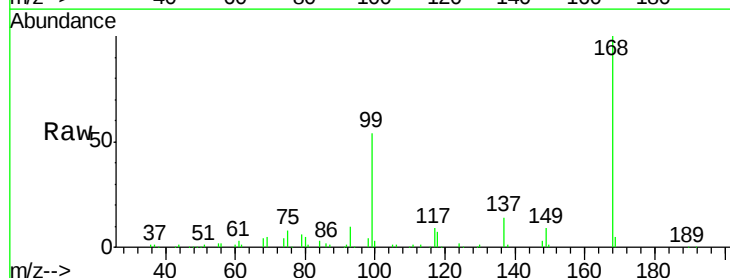
Tgt Ion: 75 Resp: 63074

Ion Ratio Lower Upper

75 100

110 4.2 14.8 44.3#

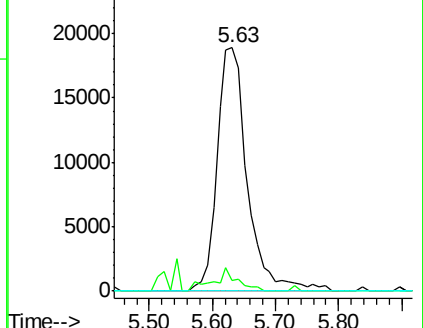
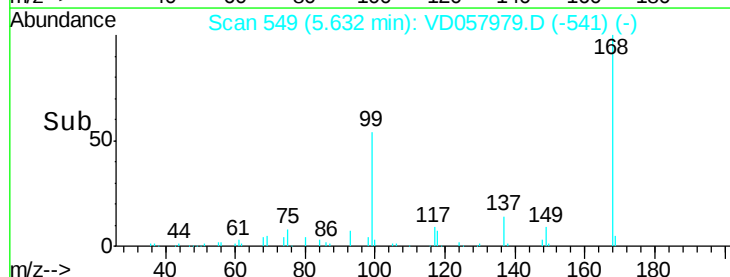
77 0.0 23.9 35.9#

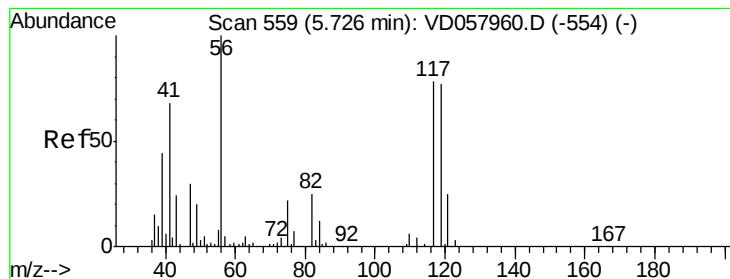


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.813 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.09 min

Lab File: VD057979.D

Acq: 7 Jun 2018 18:43

Instrument :

MSVOA_D

ClientSampled :

PS-SOIL

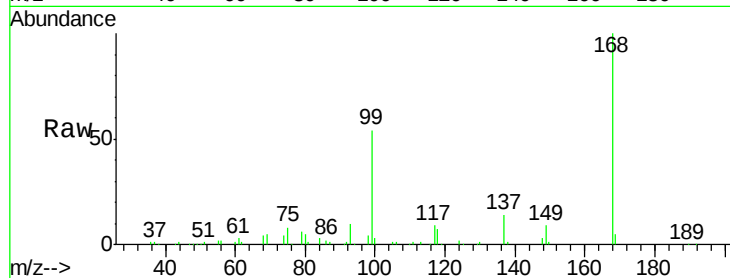
Tgt Ion:117 Resp: 58357

Ion Ratio Lower Upper

117 100

119 4.1 76.1 114.1#

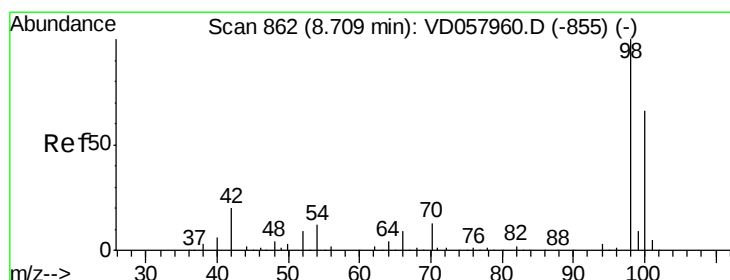
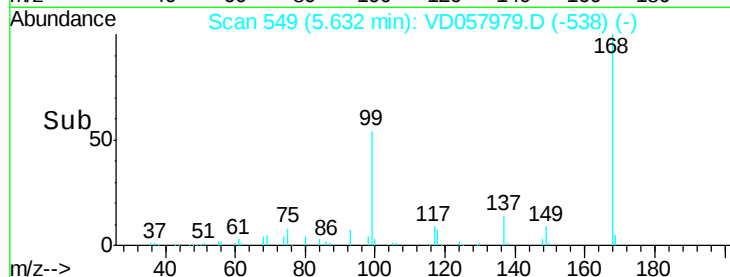
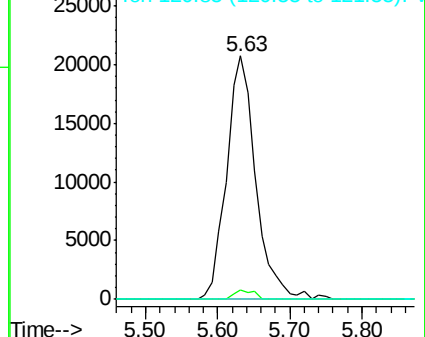
121 0.0 24.9 37.3#



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: 8.69 min Scan# 860

Delta R.T. -0.02 min

Lab File: VD057979.D

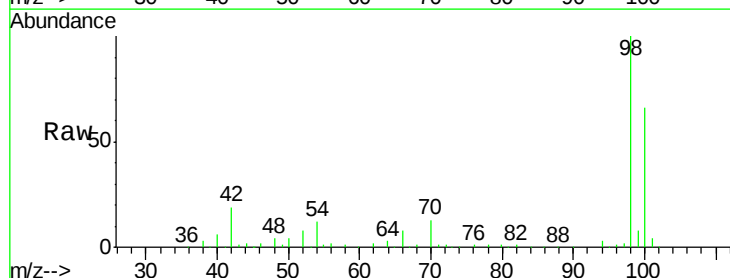
Acq: 7 Jun 2018 18:43

Tgt Ion: 98 Resp: 738403

Ion Ratio Lower Upper

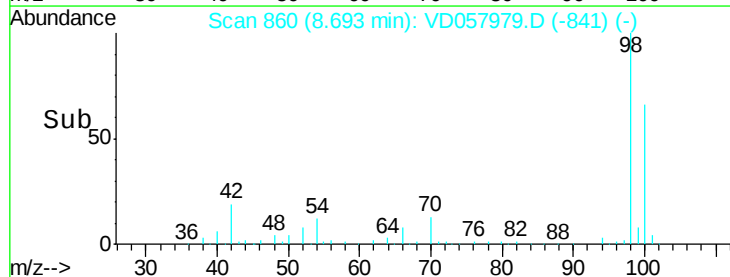
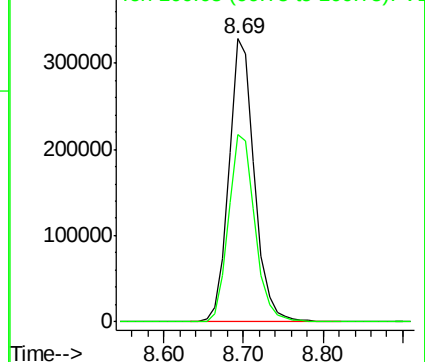
98 100

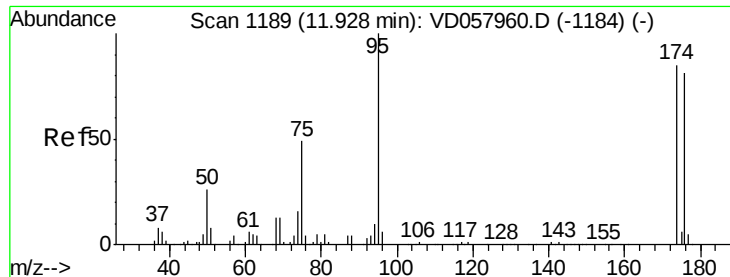
100 66.3 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

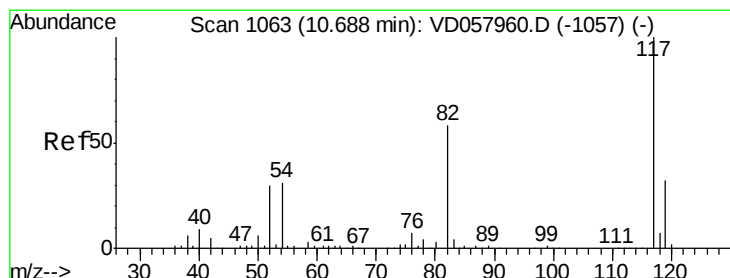
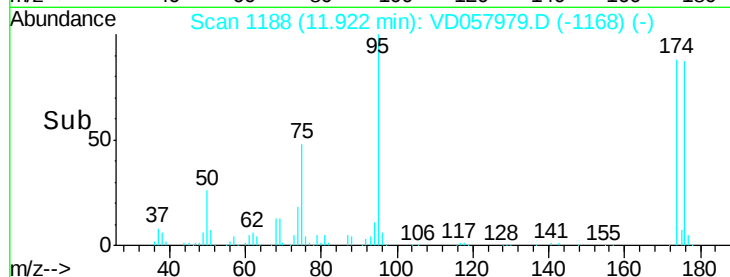
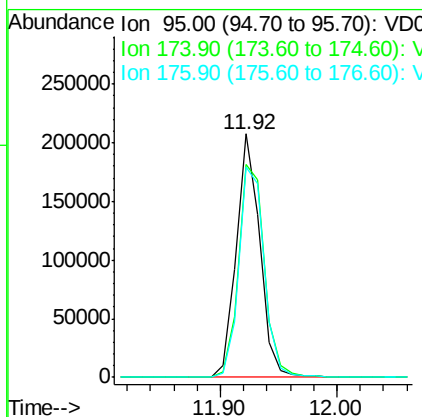
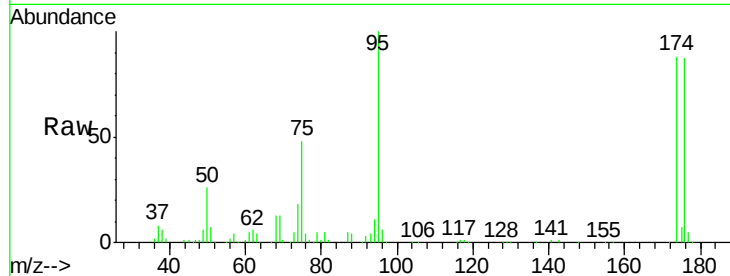




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD057979.D
Acq: 7 Jun 2018 18:43

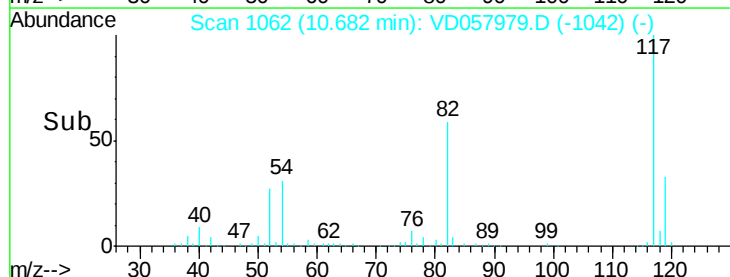
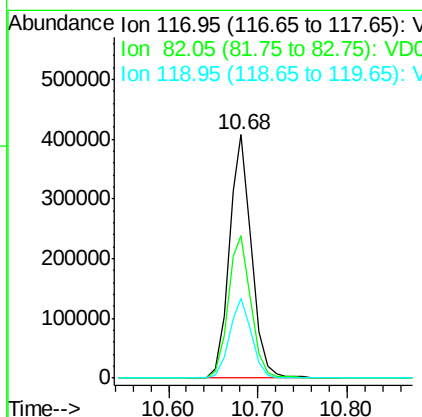
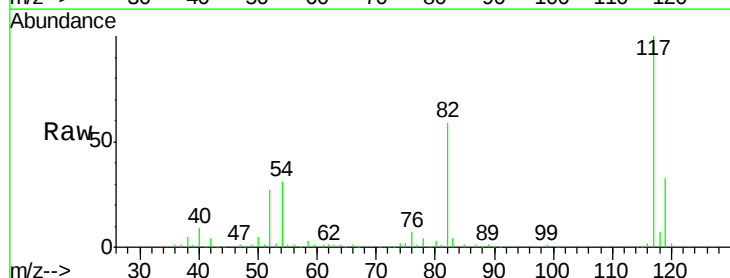
Instrument :
MSVOA_D
ClientSampled :
PS-SOIL

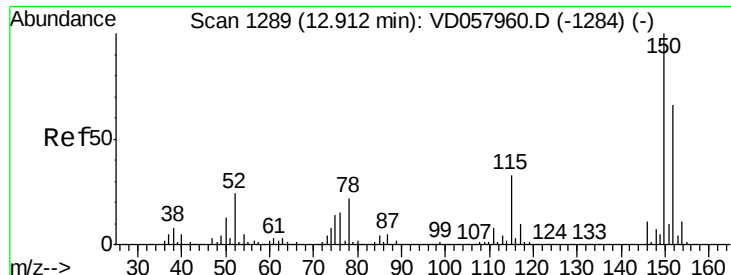
Tgt Ion: 95 Resp: 290439
Ion Ratio Lower Upper
95 100
174 87.6 0.0 169.4
176 86.6 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD057979.D
Acq: 7 Jun 2018 18:43

Tgt Ion: 117 Resp: 712337
Ion Ratio Lower Upper
117 100
82 58.7 46.8 70.2
119 33.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD057979.D

Acq: 7 Jun 2018 18:43

Instrument :

MSVOA_D

ClientSampleId :

PS-SOIL

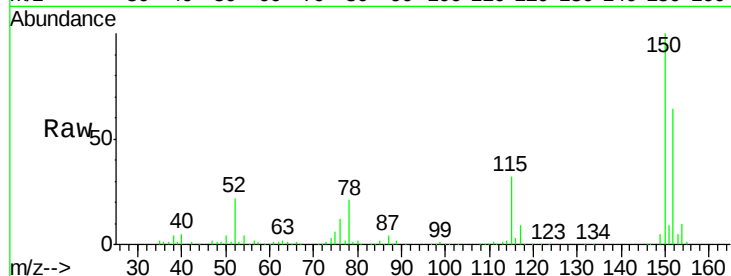
Tgt Ion: 152 Resp: 337837

Ion Ratio Lower Upper

152 100

115 49.3 25.6 76.6

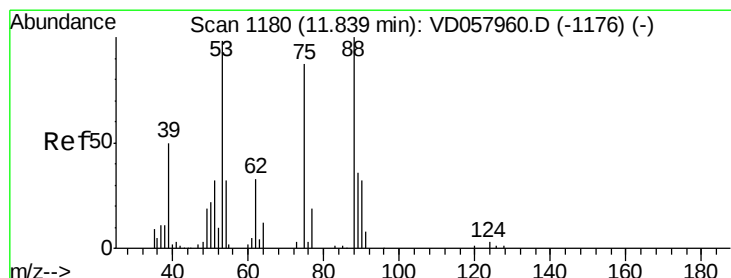
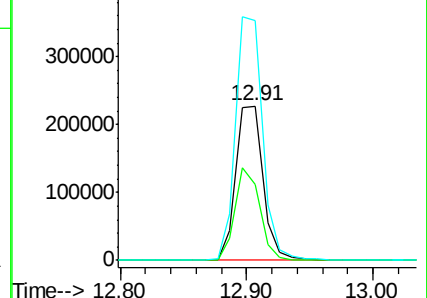
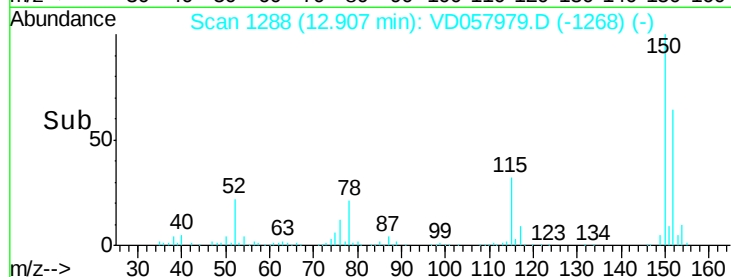
150 155.4 0.0 306.8



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: 113.405 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD057979.D

Acq: 7 Jun 2018 18:43

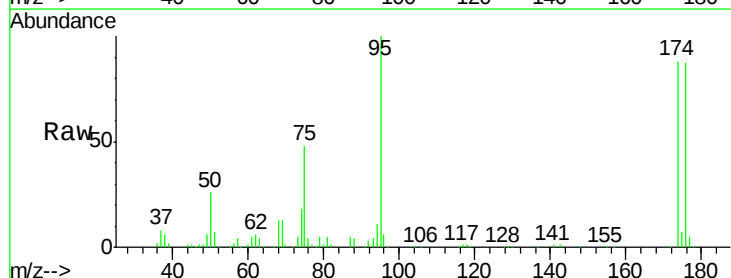
Tgt Ion: 75 Resp: 142544

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

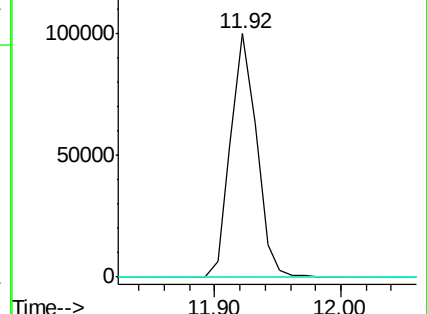
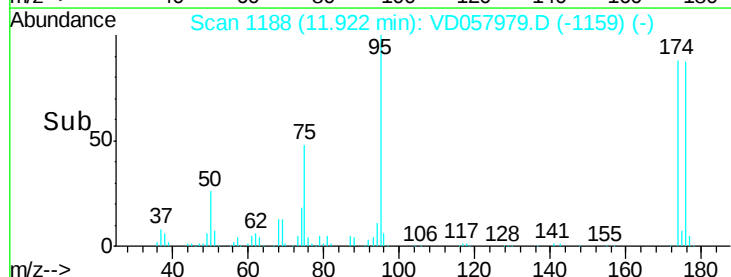
89 0.0 33.3 49.9#

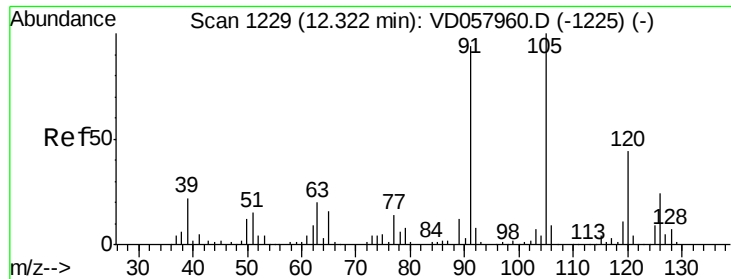


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

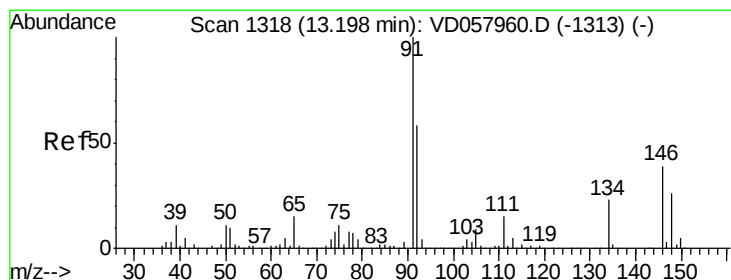
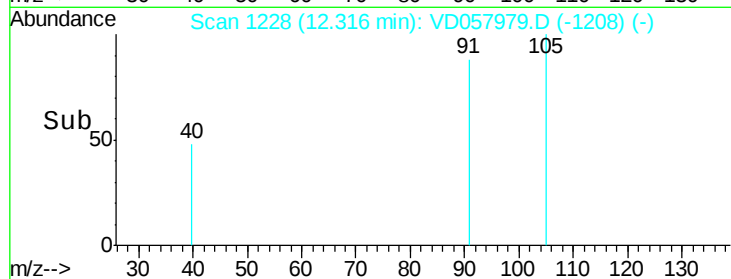
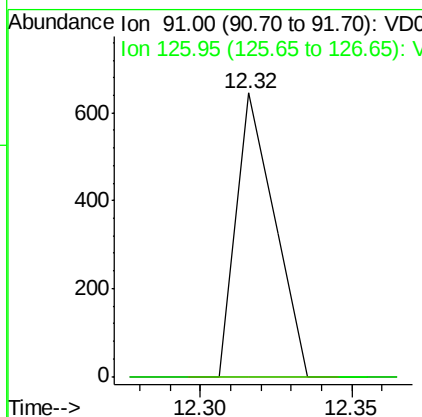
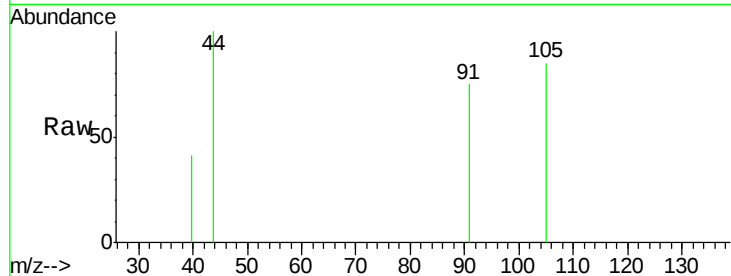




#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.32 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VD057979.D
Acq: 7 Jun 2018 18:43

Instrument :
MSVOA_D
ClientSampleId :
PS-SOIL

Tgt Ion: 91 Resp: 573
Ion Ratio Lower Upper
91 100
126 0.0 12.5 37.5#



#89
n-Butylbenzene
Concen: Below Cal
RT: 13.18 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD057979.D
Acq: 7 Jun 2018 18:43

Tgt Ion: 91 Resp: 897
Ion Ratio Lower Upper
91 100
92 0.0 29.2 87.6#
134 0.0 11.3 33.9#

