

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058281.D
 Acq On : 22 Jun 2018 6:42
 Operator : VA/AP
 Sample : J3594-05
 Misc : 6.14g/5ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HC-SOIL-3

Quant Time: Jun 22 08:25:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	621770	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.70	114	833801	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.69	117	645628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	274039	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	350323	55.78	ug/l	0.01
Spiked Amount			Recovery	=	111.56%	
35) Dibromofluoromethane	5.56	113	355955	52.45	ug/l	0.01
Spiked Amount			Recovery	=	104.90%	
50) Toluene-d8	8.71	98	757355	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	
62) 4-Bromofluorobenzene	11.93	95	284952	42.49	ug/l	0.00
Spiked Amount			Recovery	=	84.98%	

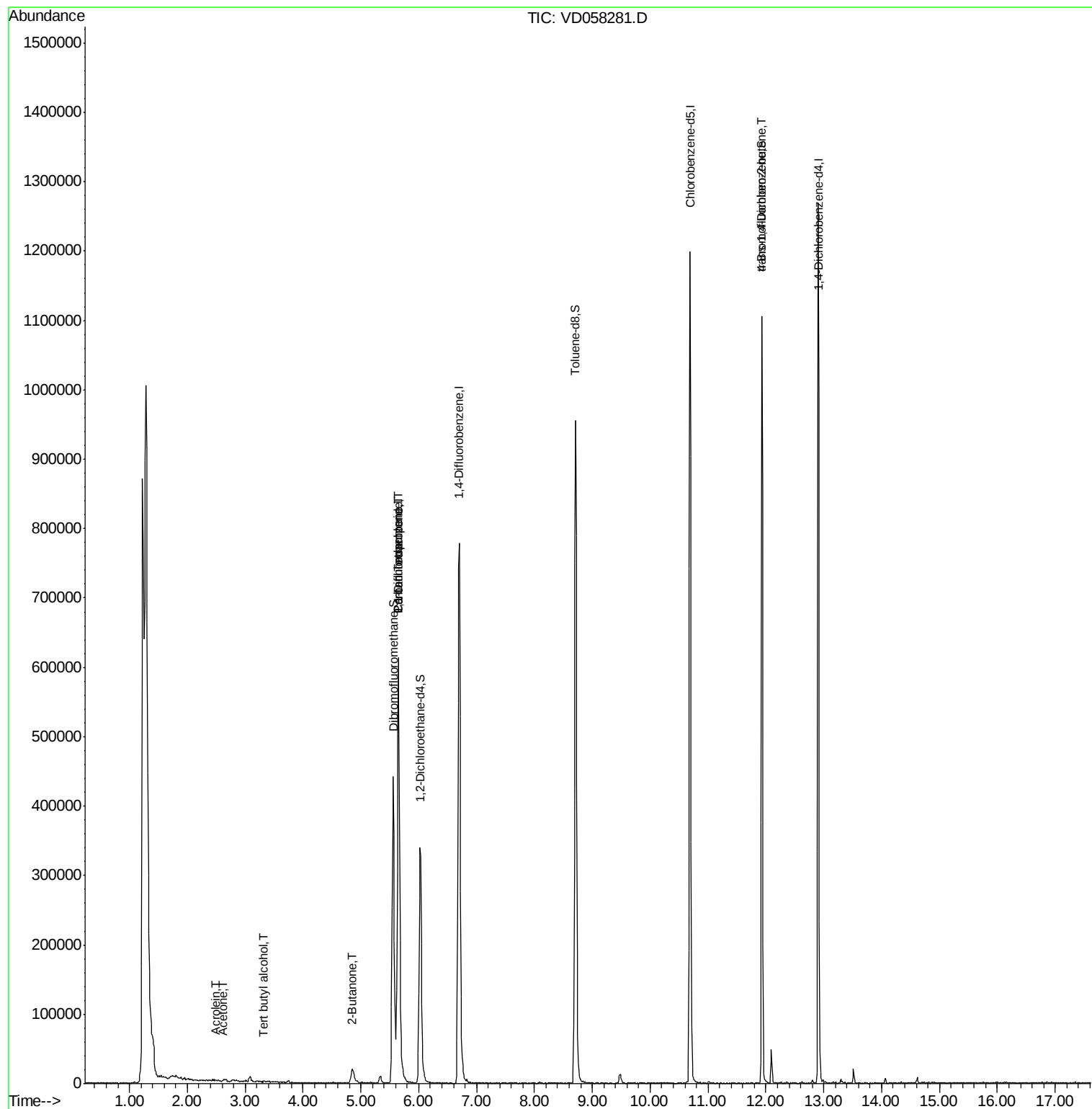
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	353	Below Cal	#	43
3) Chloromethane	1.39	50	199	Below Cal	#	43
5) Bromomethane	1.84	94	232	Below Cal	#	3
11) Tert butyl alcohol	3.32	59	260	1.255	ug/l #	78
13) Acrolein	2.49	56	197	1.666	ug/l #	74
16) Acetone	2.62	43	4896	5.700	ug/l #	62
20) Methylene Chloride	3.08	84	3330	Below Cal	#	71
25) 2-Butanone	4.84	43	2079	1.111	ug/l #	60
31) Cyclohexane	5.65	56	12859	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	51462	6.239	ug/l #	48
38) Carbon Tetrachloride	5.65	117	51681	6.306	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.93	75	144297	147.871	ug/l #	1
82) 4-Chlorotoluene	12.32	91	339	Below Cal	#	45

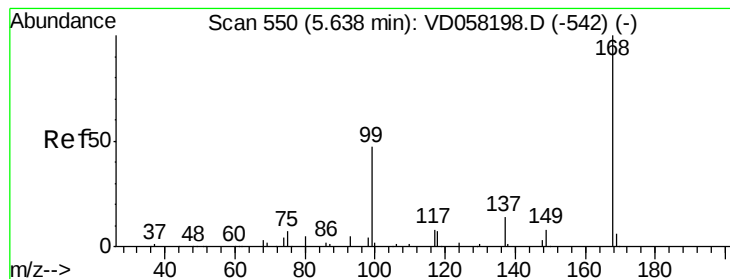
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062118\
Data File : VD058281.D
Acq On : 22 Jun 2018 6:42
Operator : VA/AP
Sample : J3594-05
Misc : 6.14g/5ml/MSVOA D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HC-SOIL-3

Quant Time: Jun 22 08:25:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058281.D

Acq: 22 Jun 2018 6:42

Instrument :

MSVOA_D

ClientSampleId :

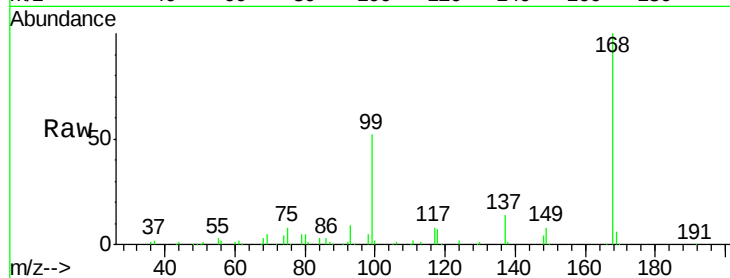
HC-SOIL-3

Tot Ion:168 Resp: 621770

Ion Ratio Lower Upper

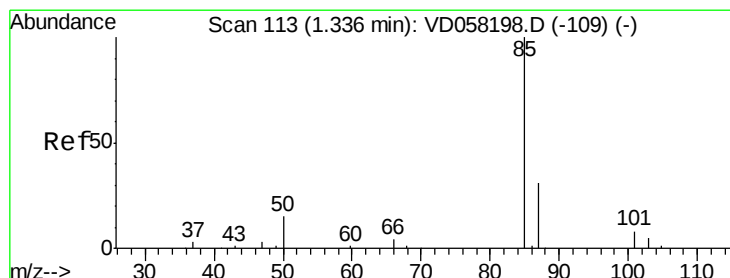
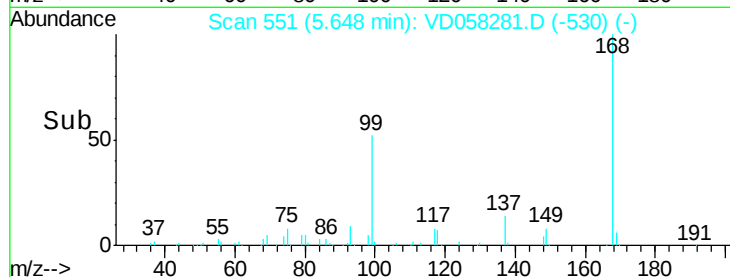
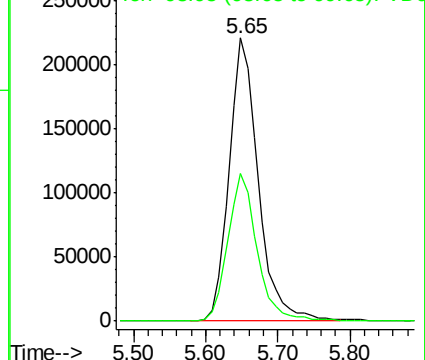
168 100

99 52.1 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.36 min Scan# 115

Delta R.T. 0.02 min

Lab File: VD058281.D

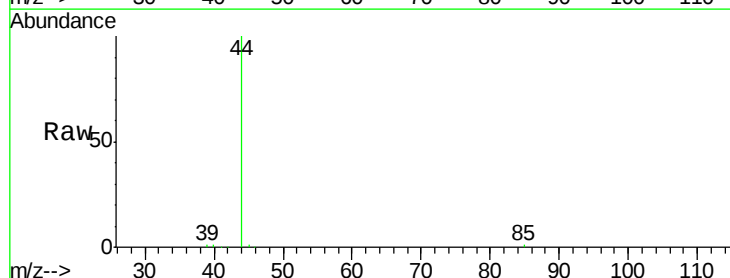
Acq: 22 Jun 2018 6:42

Tgt Ion: 85 Resp: 353

Ion Ratio Lower Upper

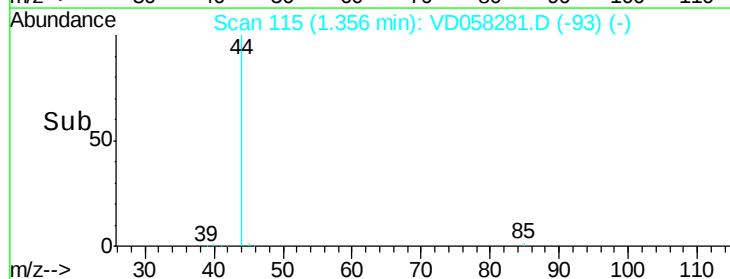
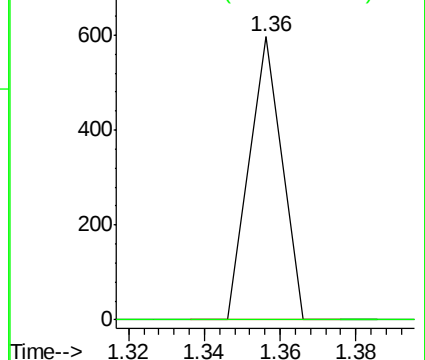
85 100

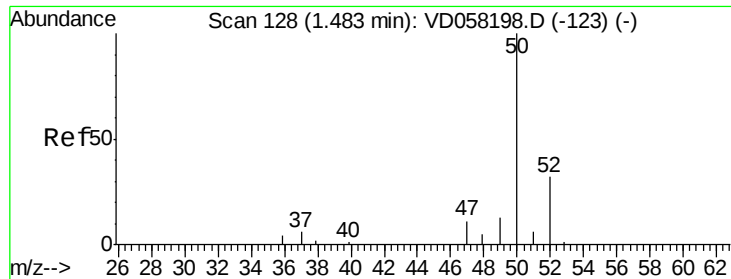
87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 1.39 min Scan# 118

Delta R.T. -0.10 min

Lab File: VD058281.D

Acq: 22 Jun 2018 6:42

Instrument :

MSVOA_D

ClientSampleId :

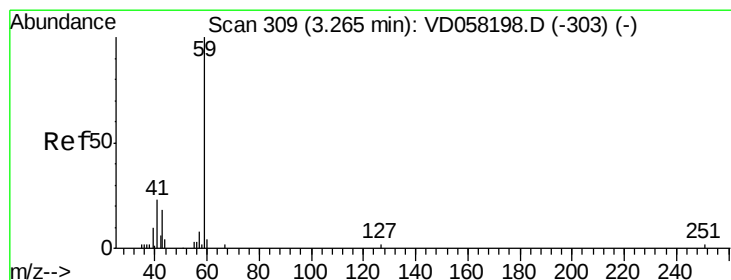
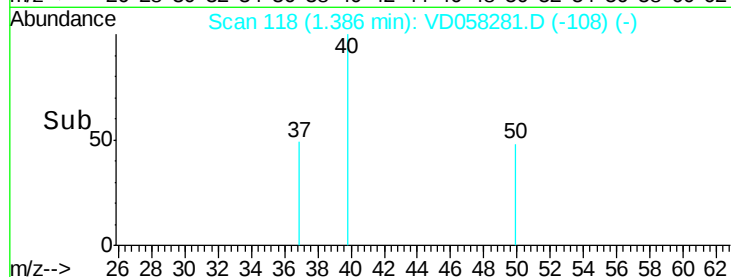
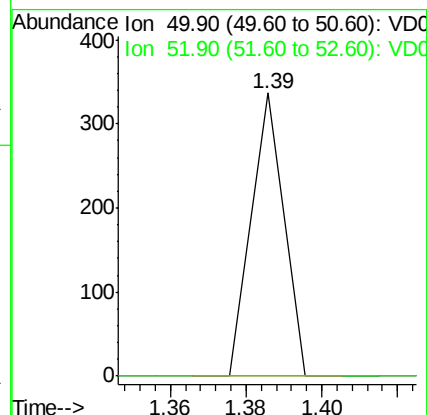
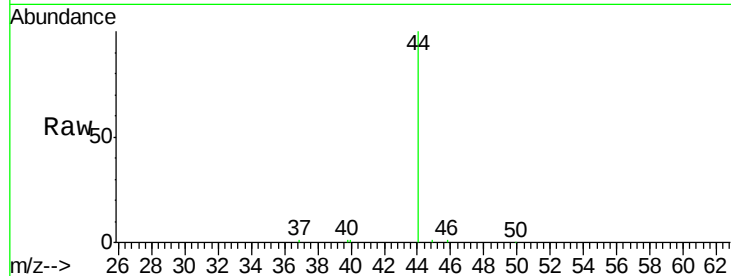
HC-SOIL-3

Tot Ion: 50 Resp: 199

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#



#11

Tert butyl alcohol

Concen: 1.255 ug/l

RT: 3.32 min Scan# 314

Delta R.T. 0.05 min

Lab File: VD058281.D

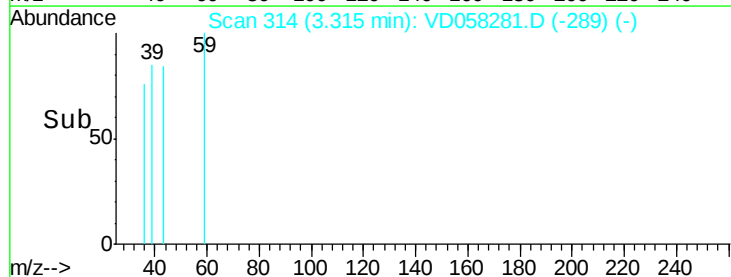
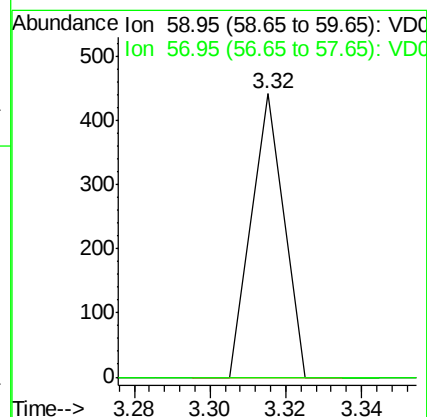
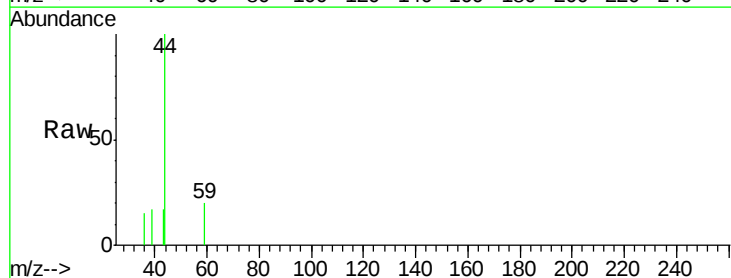
Acq: 22 Jun 2018 6:42

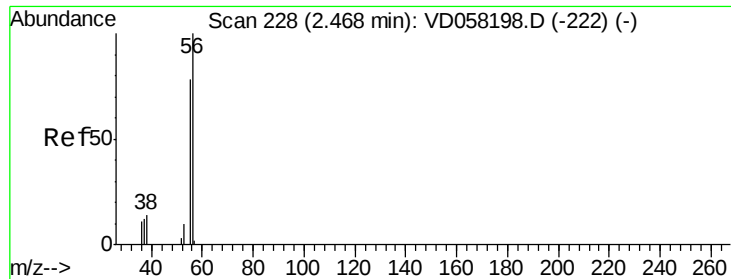
Tgt Ion: 59 Resp: 260

Ion Ratio Lower Upper

59 100

57 0.0 6.2 9.4#





#13

Acrolein

Concen: 1.666 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.02 min

Lab File: VD058281.D

Acq: 22 Jun 2018 6:42

Instrument :

MSVOA_D

ClientSampled :

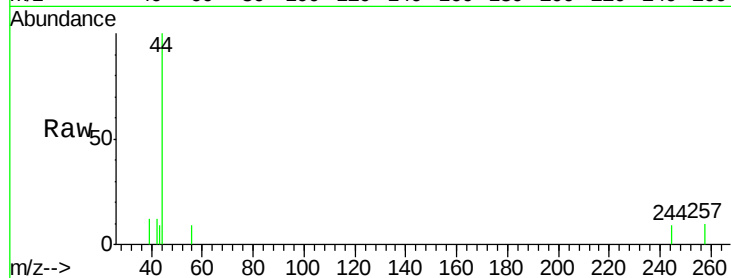
HC-SOIL-3

Tot Ion: 56 Resp: 197

Ion Ratio Lower Upper

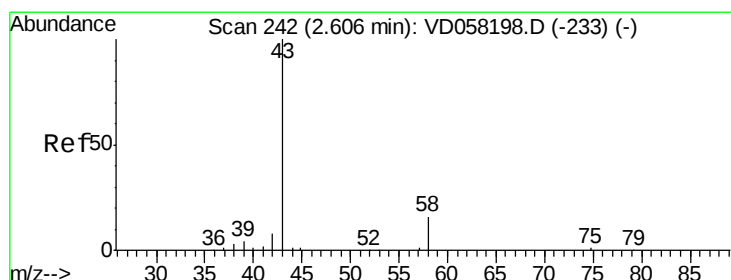
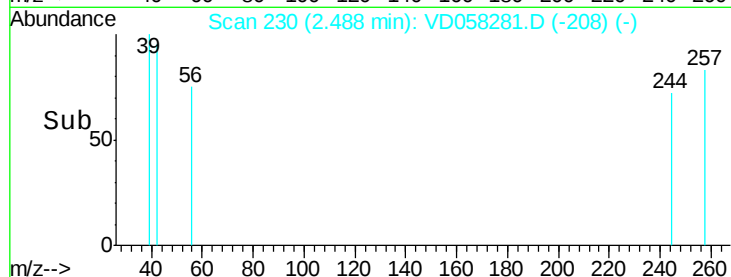
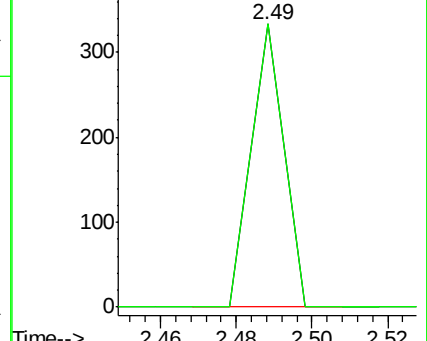
56 100

55 100.0 62.1 93.1#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 5.700 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058281.D

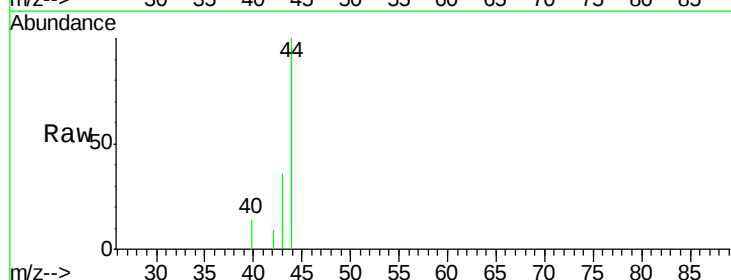
Acq: 22 Jun 2018 6:42

Tgt Ion: 43 Resp: 4896

Ion Ratio Lower Upper

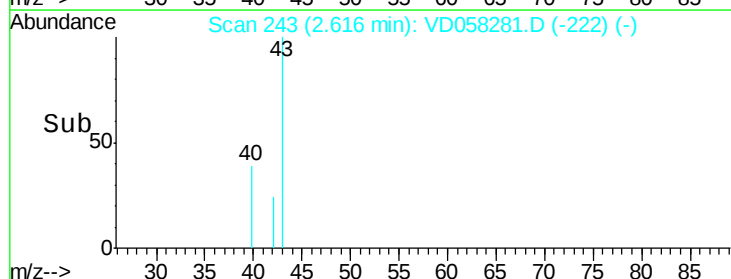
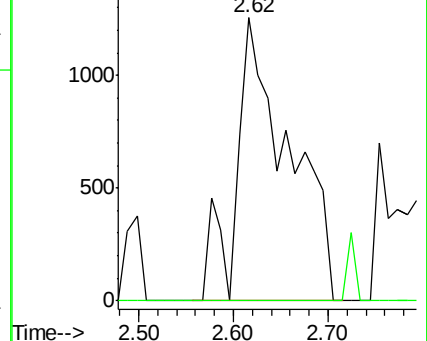
43 100

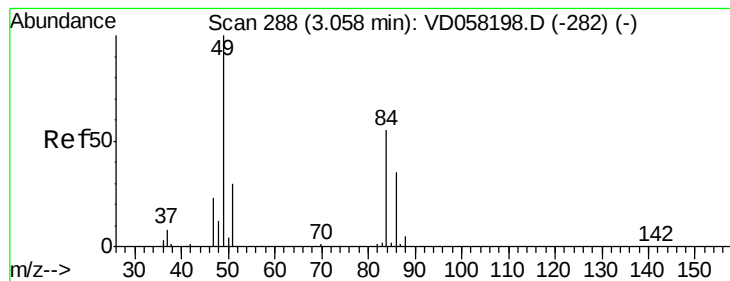
58 0.0 12.7 19.1#



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: 3.08 min Scan# 290

Delta R.T. 0.02 min

Lab File: VD058281.D

Acq: 22 Jun 2018 6:42

Instrument :

MSVOA_D

ClientSampleId :

HC-SOIL-3

Tot Ion: 84 Resp: 3330

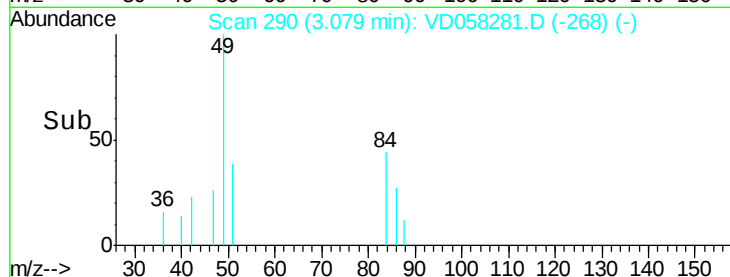
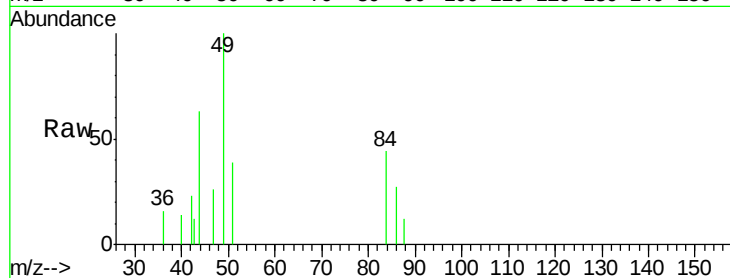
Ion Ratio Lower Upper

84 100

49 229.3 145.0 217.6#

51 88.3 42.9 64.3#

86 62.0 50.1 75.1

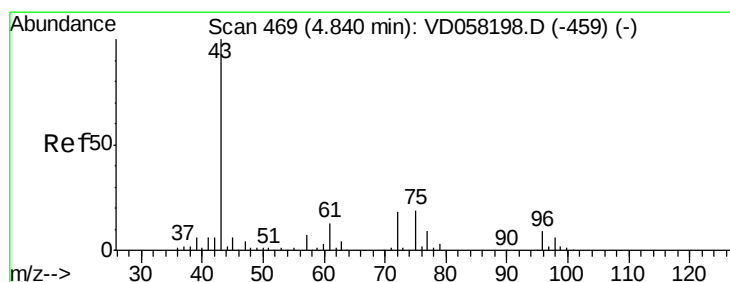
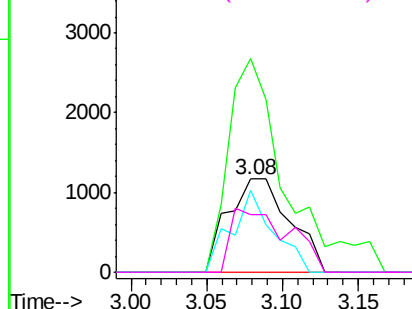


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.111 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058281.D

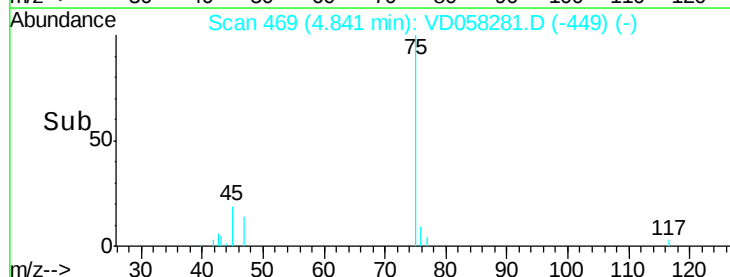
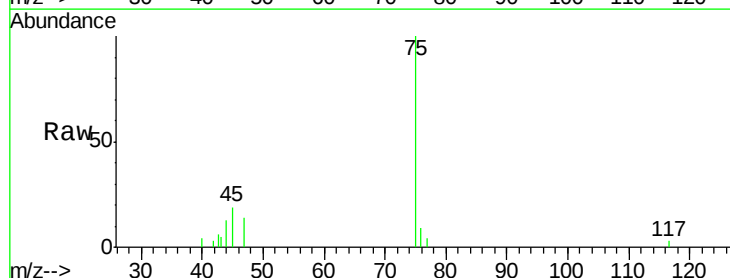
Acq: 22 Jun 2018 6:42

Tgt Ion: 43 Resp: 2079

Ion Ratio Lower Upper

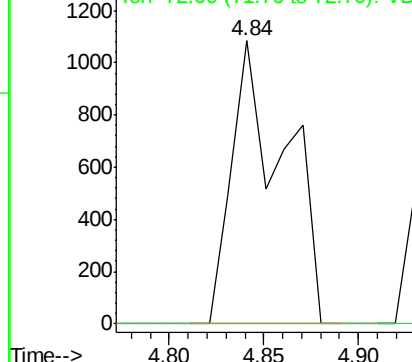
43 100

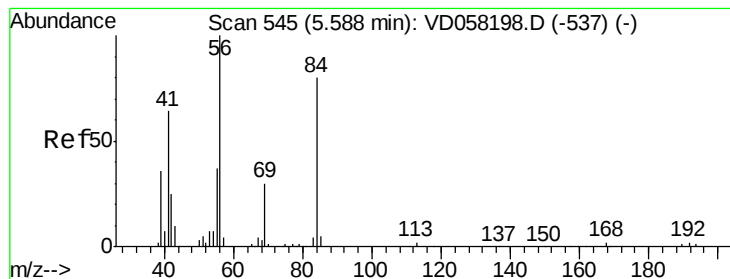
72 0.0 14.1 21.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: Below Cal

RT: 5.65 min Scan# 551

Delta R.T. 0.06 min

Lab File: VD058281.D

Acq: 22 Jun 2018 6:42

Instrument :

MSVOA_D

ClientSampleId :

HC-SOIL-3

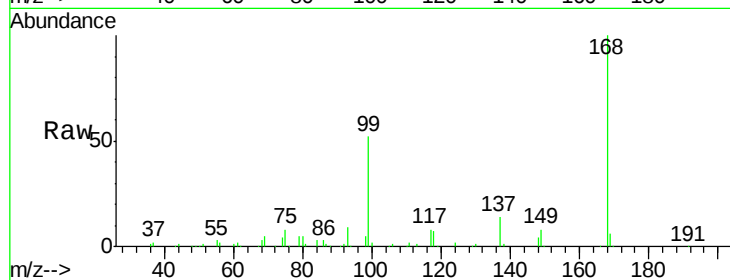
Tot Ion: 56 Resp: 12859

Ion Ratio Lower Upper

56 100

69 216.2 23.6 35.4#

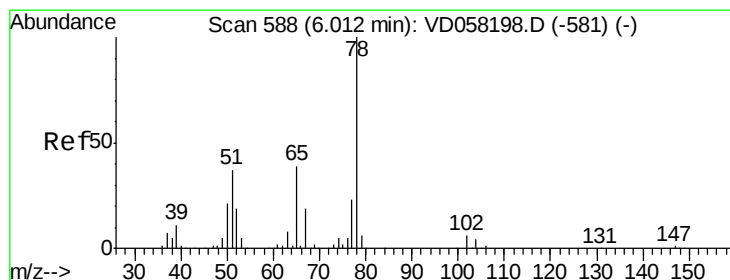
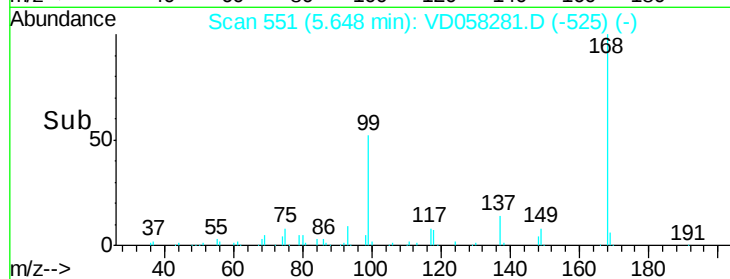
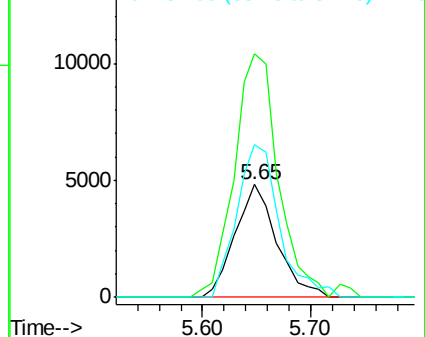
84 135.6 65.2 97.8#



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: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058281.D

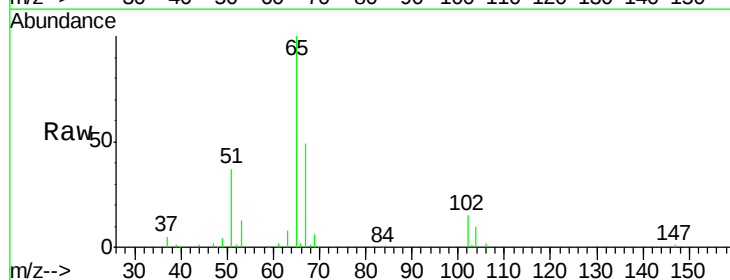
Acq: 22 Jun 2018 6:42

Tgt Ion: 65 Resp: 350323

Ion Ratio Lower Upper

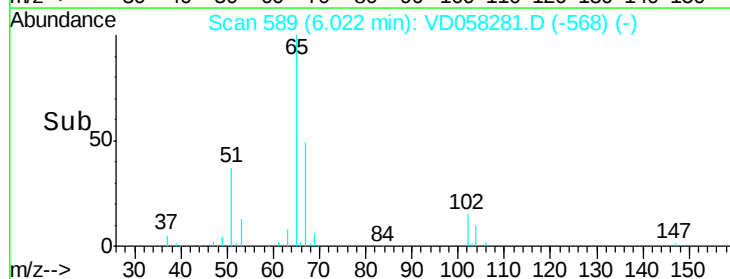
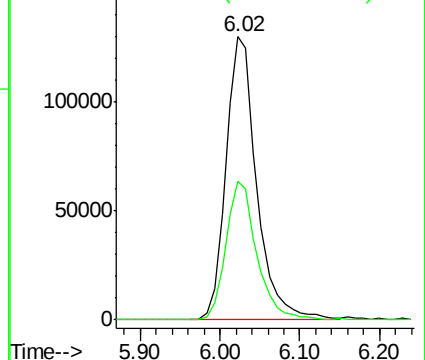
65 100

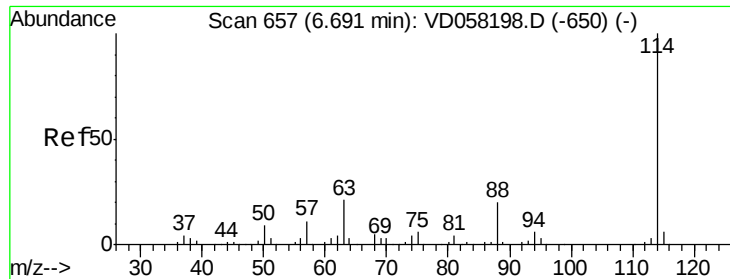
67 49.1 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

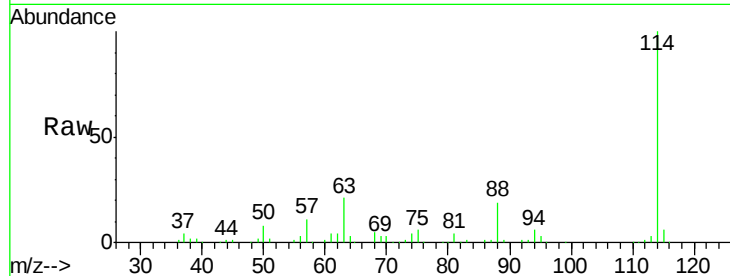




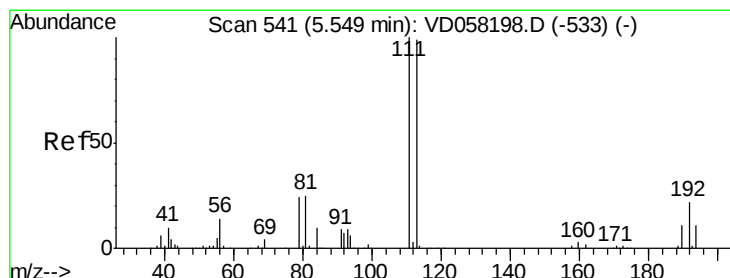
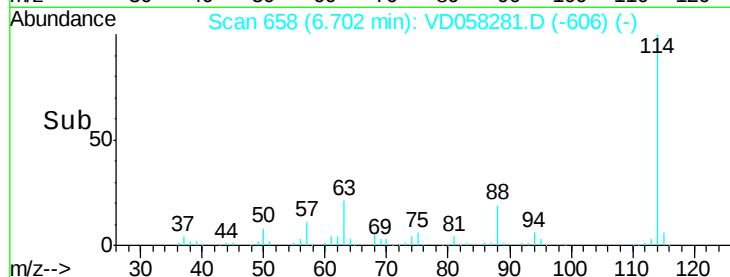
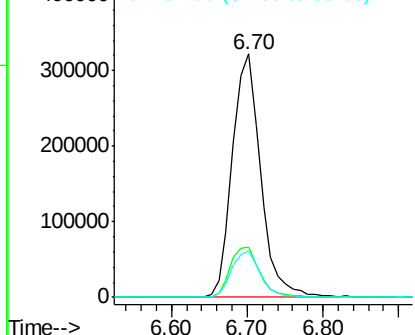
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.70 min Scan# 658
Delta R.T. 0.01 min
Lab File: VD058281.D
Acq: 22 Jun 2018 6:42

Instrument :
MSVOA_D
ClientSampleId :
HC-SOIL-3

Tot Ion:114 Resp: 833801
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 18.9 0.0 40.6

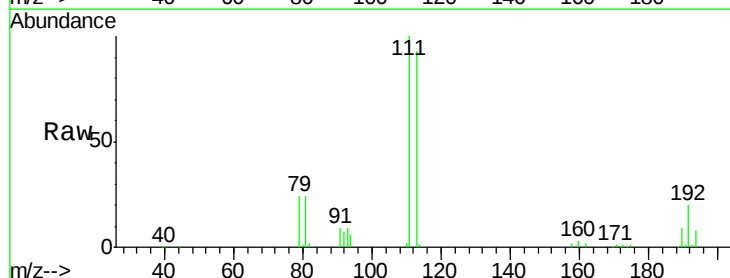


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

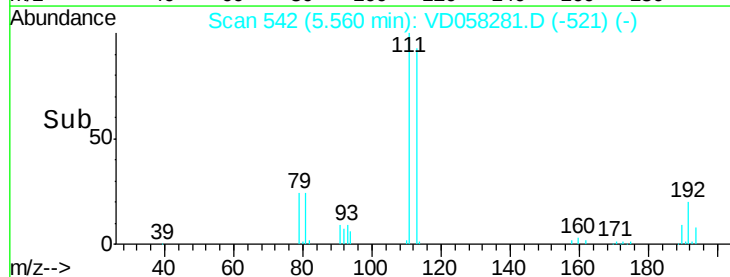
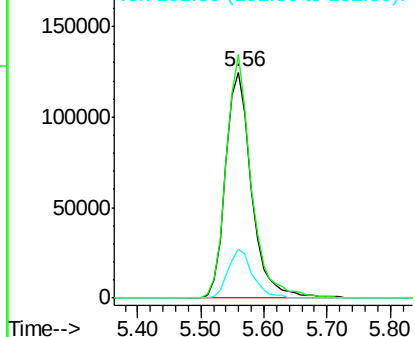


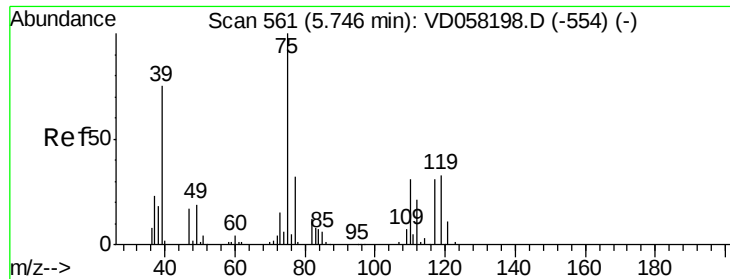
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.56 min Scan# 542
Delta R.T. 0.01 min
Lab File: VD058281.D
Acq: 22 Jun 2018 6:42

Tgt Ion:113 Resp: 355955
Ion Ratio Lower Upper
113 100
111 107.7 80.6 121.0
192 21.8 17.8 26.6



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

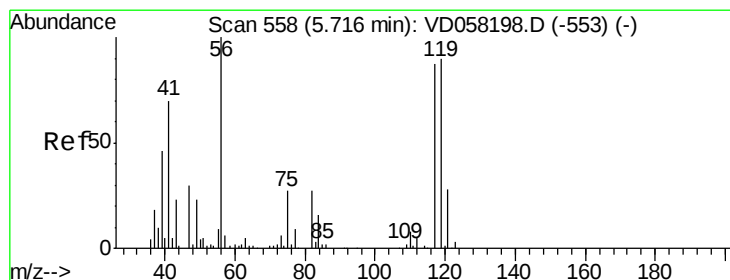
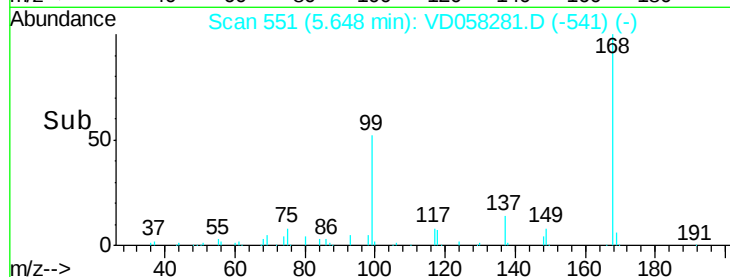
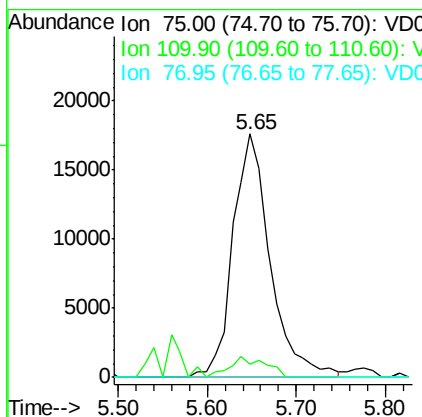
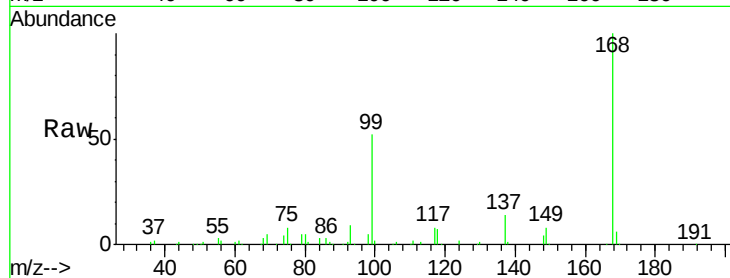




#36
 1,1-Dichloropropene
 Concen: 6.239 ug/l
 RT: 5.65 min Scan# 551
 Delta R.T. -0.10 min
 Lab File: VD058281.D
 Acq: 22 Jun 2018 6:42

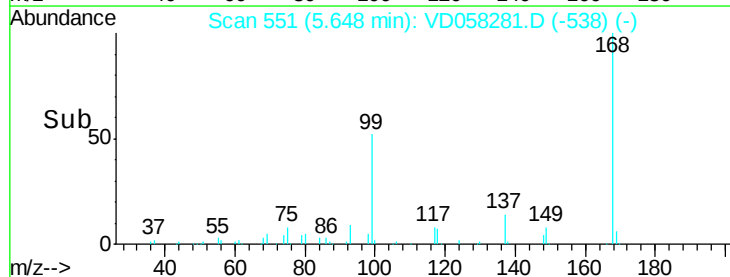
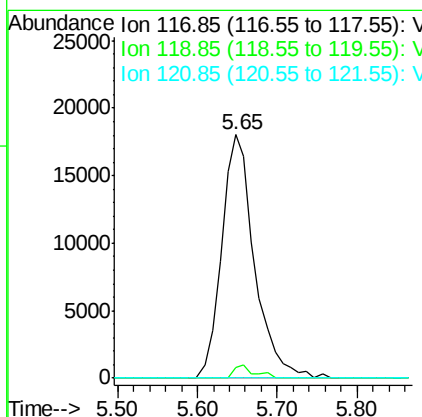
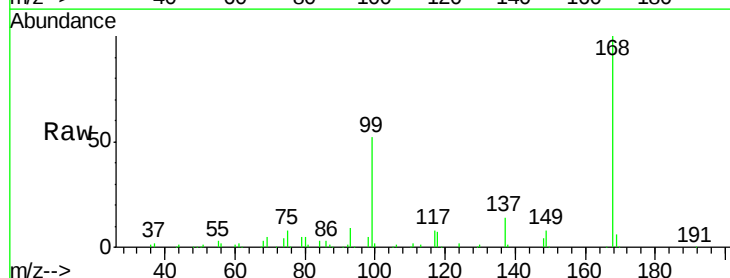
Instrument :
 MSVOA_D
 ClientSampleId :
 HC-SOIL-3

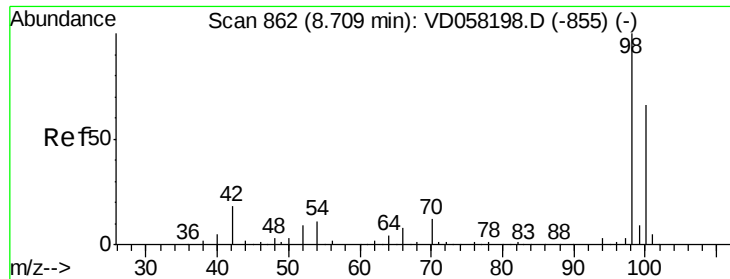
Tot Ion: 75 Resp: 51462
 Ion Ratio Lower Upper
 75 100
 110 5.3 15.4 46.4#
 77 0.0 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 6.306 ug/l
 RT: 5.65 min Scan# 551
 Delta R.T. -0.07 min
 Lab File: VD058281.D
 Acq: 22 Jun 2018 6:42

Tgt Ion: 117 Resp: 51681
 Ion Ratio Lower Upper
 117 100
 119 4.4 78.8 118.2#
 121 0.0 25.0 37.6#

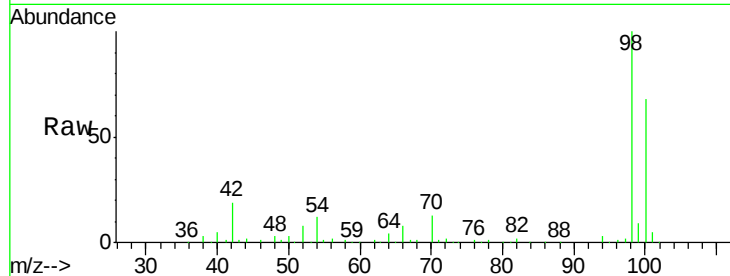




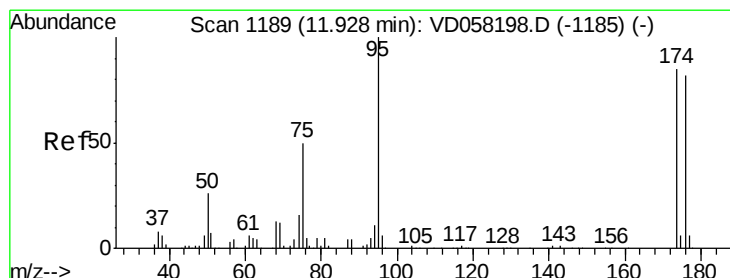
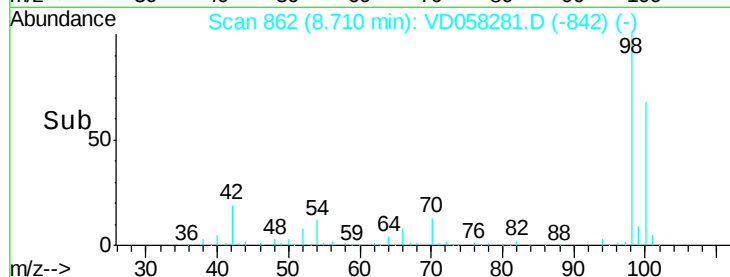
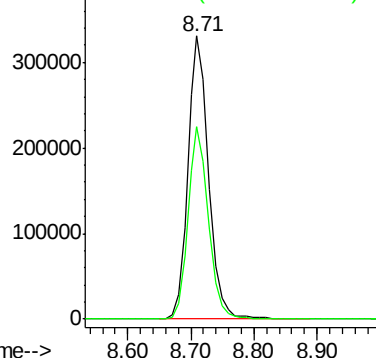
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.00 min
Lab File: VD058281.D
Acq: 22 Jun 2018 6:42

Instrument :
MSVOA_D
ClientSampleId :
HC-SOIL-3

Tot Ion: 98 Resp: 757355
Ion Ratio Lower Upper
98 100
100 67.9 53.6 80.4

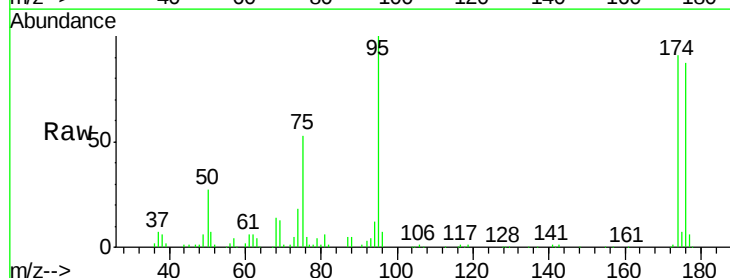


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

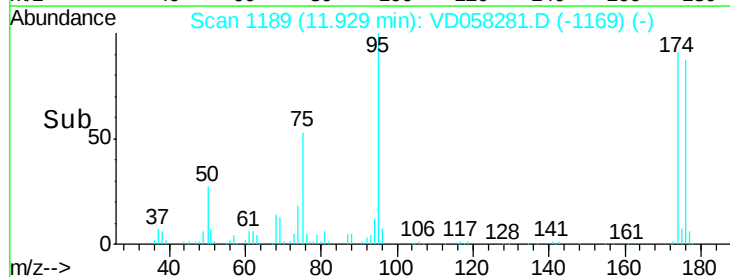
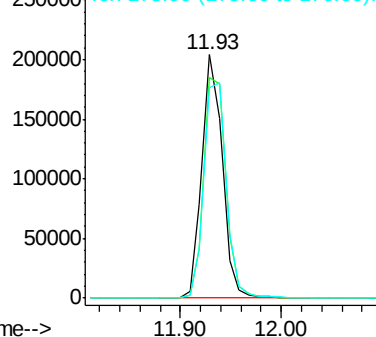


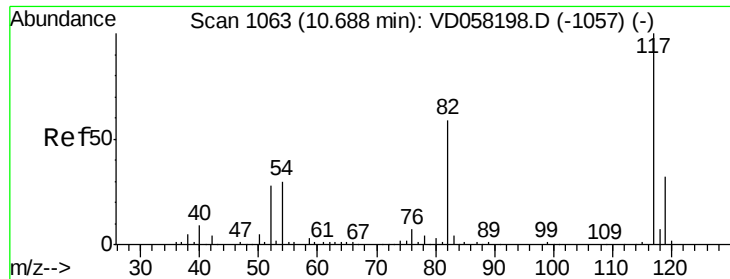
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VD058281.D
Acq: 22 Jun 2018 6:42

Tgt Ion: 95 Resp: 284952
Ion Ratio Lower Upper
95 100
174 90.5 0.0 170.2
176 86.5 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): VD0
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: 10.69 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD058281.D

Acq: 22 Jun 2018 6:42

Instrument :

MSVOA_D

ClientSampleId :

HC-SOIL-3

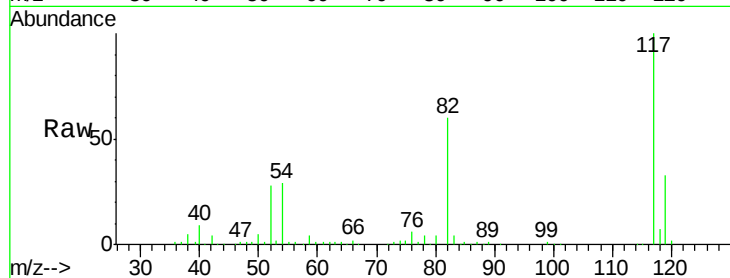
Tot Ion:117 Resp: 645628

Ion Ratio Lower Upper

117 100

82 60.3 47.0 70.6

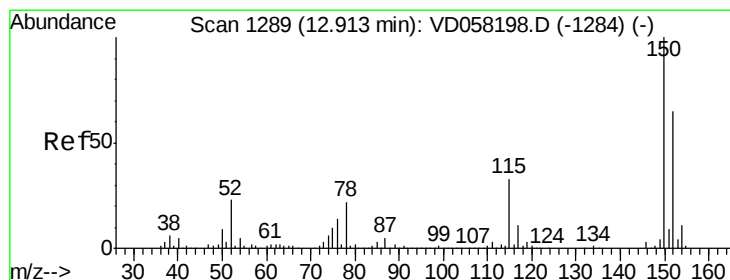
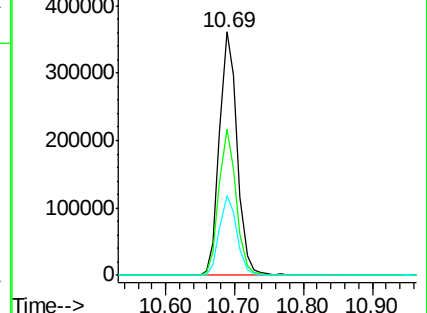
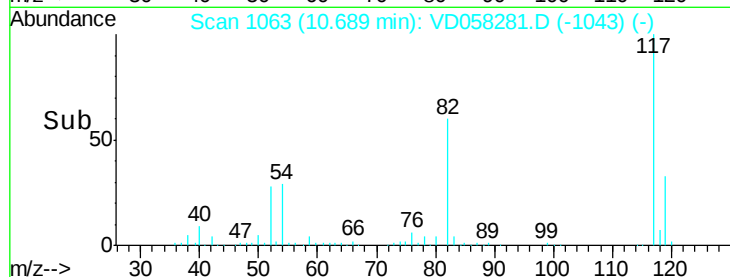
119 32.7 25.3 37.9



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: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058281.D

Acq: 22 Jun 2018 6:42

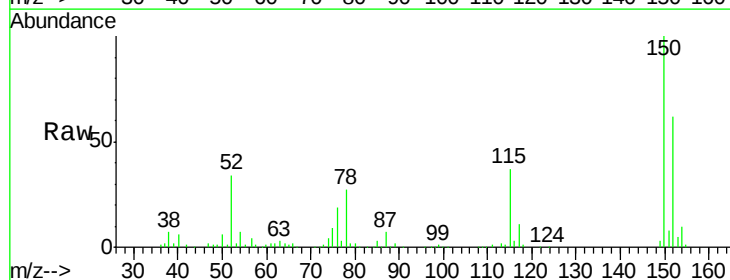
Tgt Ion:152 Resp: 274039

Ion Ratio Lower Upper

152 100

115 59.9 25.1 75.3

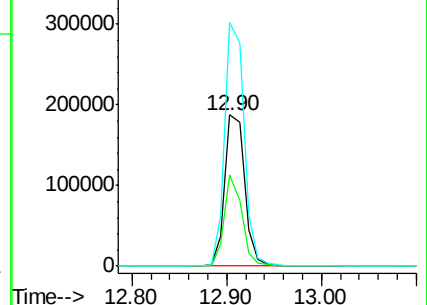
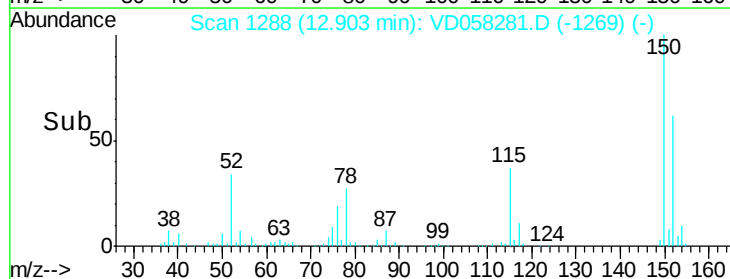
150 160.8 0.0 308.8

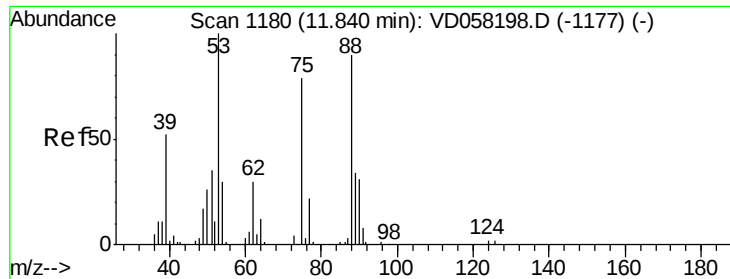


Abundance Ion 151.90 (151.60 to 152.60): V

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: 147.871 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058281.D

Acq: 22 Jun 2018 6:42

Instrument :

MSVOA_D

ClientSampleId :

HC-SOIL-3

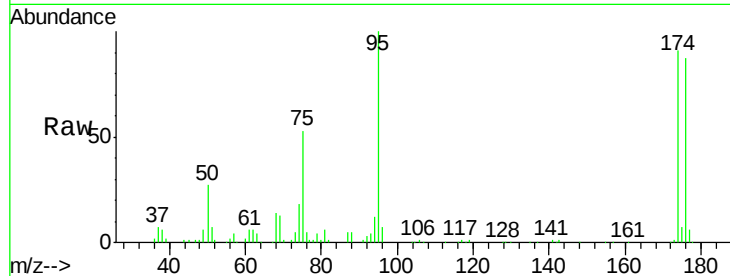
Tot Ion: 75 Resp: 144297

Ion Ratio Lower Upper

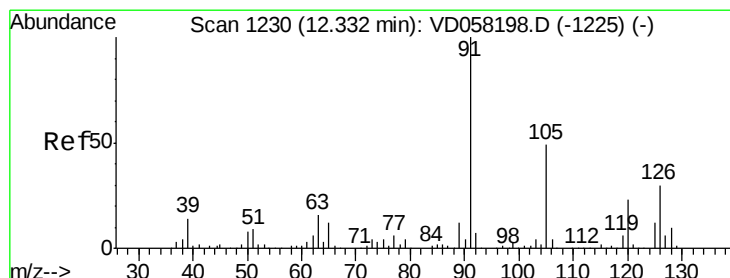
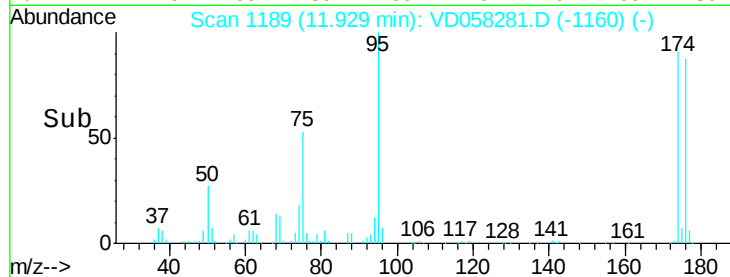
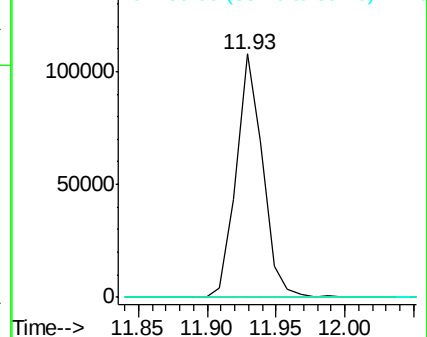
75 100

53 0.0 100.8 151.2#

89 0.0 34.6 52.0#



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# 1229

Delta R.T. -0.01 min

Lab File: VD058281.D

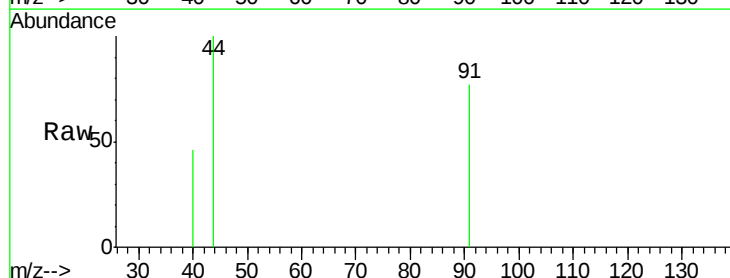
Acq: 22 Jun 2018 6:42

Tgt Ion: 91 Resp: 339

Ion Ratio Lower Upper

91 100

126 0.0 14.9 44.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

