

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058280.D
 Acq On : 22 Jun 2018 6:13
 Operator : VA/AP
 Sample : J3594-03
 Misc : 6.64g/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HC-SOIL-2

Quant Time: Jun 22 08:25:10 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	539261	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.69	114	776451	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	566846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	252017	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	354390	65.06	ug/l	0.01
Spiked Amount			Recovery	=	130.12%	
35) Dibromofluoromethane	5.56	113	362355	57.34	ug/l	0.01
Spiked Amount			Recovery	=	114.68%	
50) Toluene-d8	8.71	98	624156	40.82	ug/l	0.00
Spiked Amount			Recovery	=	81.64%	
62) 4-Bromofluorobenzene	11.93	95	297112	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	

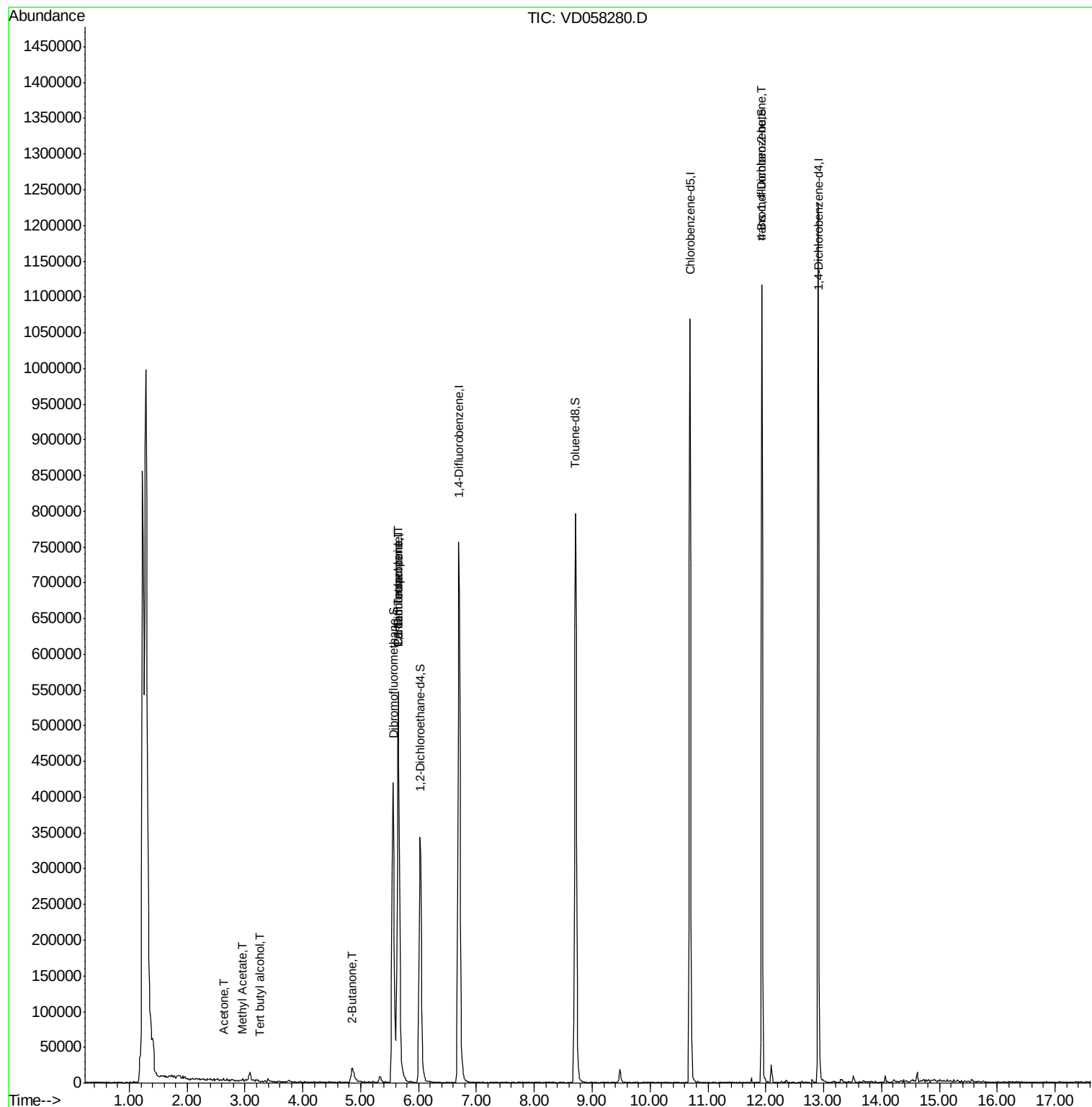
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.50	50	239	Below Cal	#	43
5) Bromomethane	1.84	94	183	Below Cal	#	3
11) Tert butyl alcohol	3.26	59	186	1.035	ug/l #	78
16) Acetone	2.62	43	3917	5.258	ug/l #	62
18) Methyl Acetate	2.95	43	2527	1.591	ug/l #	65
20) Methylene Chloride	3.09	84	4970	Below Cal		81
25) 2-Butanone	4.84	43	2332	1.436	ug/l #	60
31) Cyclohexane	5.65	56	12988	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	47322	6.161	ug/l #	51
38) Carbon Tetrachloride	5.65	117	47314	6.199	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.93	75	145477	162.108	ug/l #	1
82) 4-Chlorotoluene	12.32	91	222	Below Cal	#	45

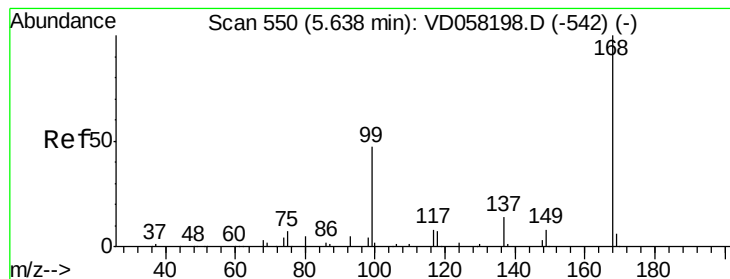
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 22 08:25:10 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: VD058280.D

Acq: 22 Jun 2018 6:13

Instrument :

MSVOA_D

ClientSampleId :

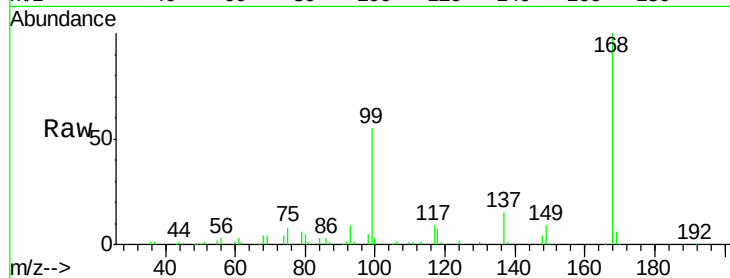
HC-SOIL-2

Tot Ion:168 Resp: 539261

Ion Ratio Lower Upper

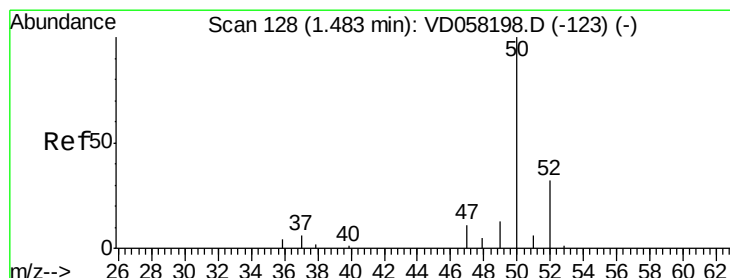
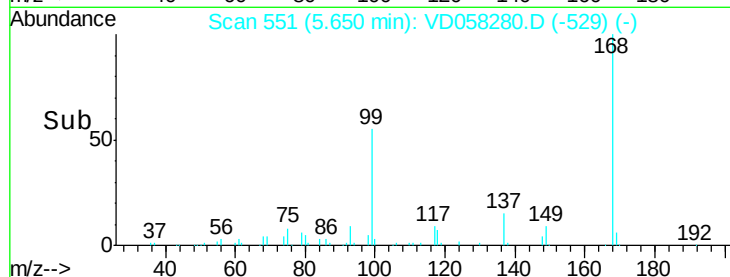
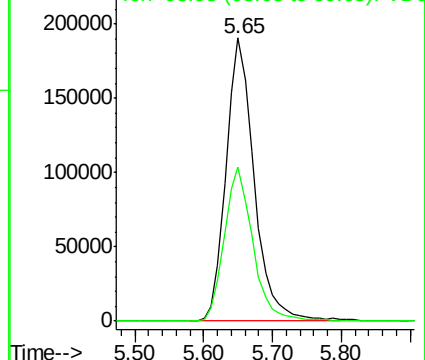
168 100

99 54.5 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: Below Cal

RT: 1.50 min Scan# 129

Delta R.T. 0.01 min

Lab File: VD058280.D

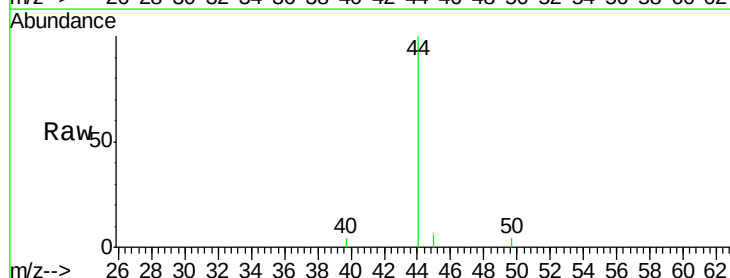
Acq: 22 Jun 2018 6:13

Tgt Ion: 50 Resp: 239

Ion Ratio Lower Upper

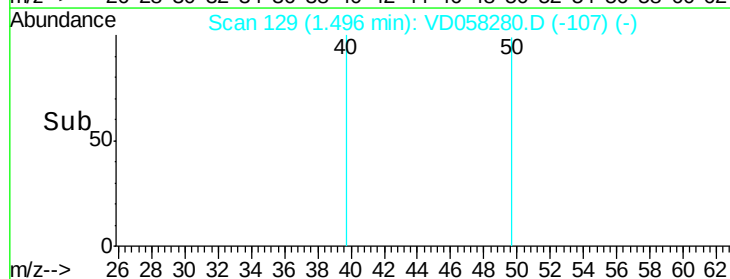
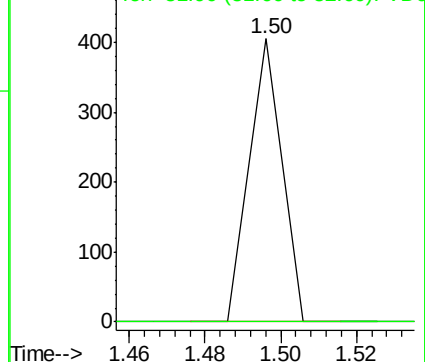
50 100

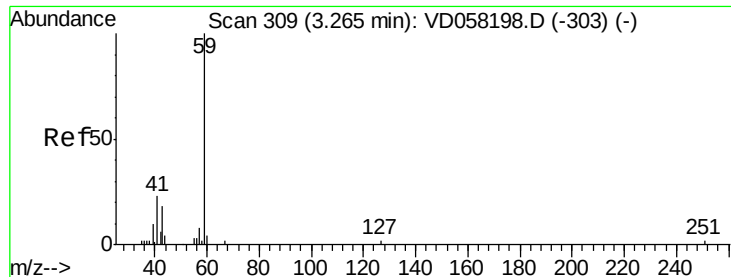
52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#11

Tert butyl alcohol

Concen: 1.035 ug/l

RT: 3.26 min Scan# 308

Delta R.T. -0.01 min

Lab File: VD058280.D

Acq: 22 Jun 2018 6:13

Instrument :

MSVOA_D

ClientSampleId :

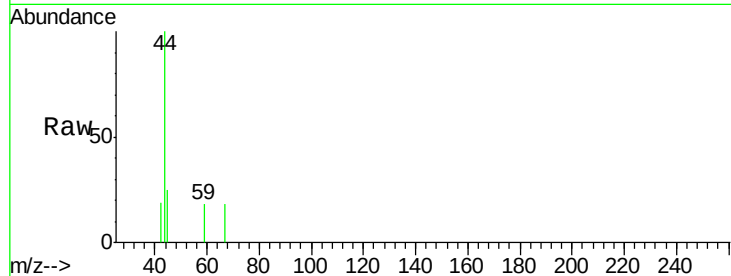
HC-SOIL-2

Tot Ion: 59 Resp: 186

Ion Ratio Lower Upper

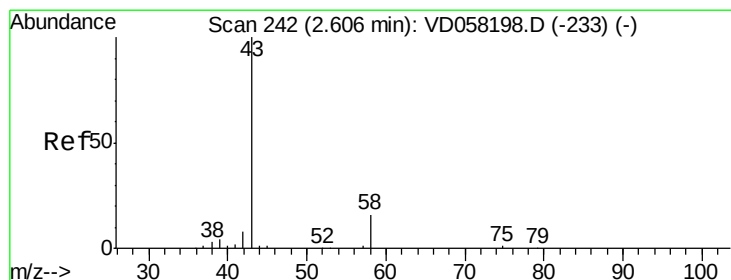
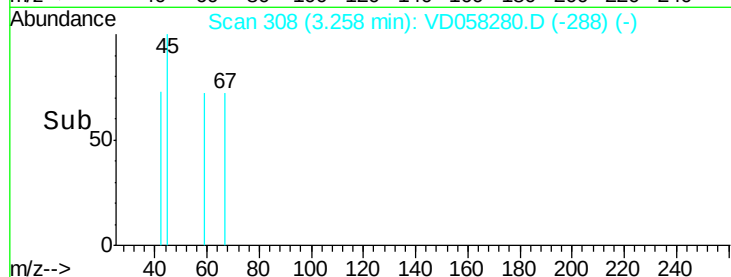
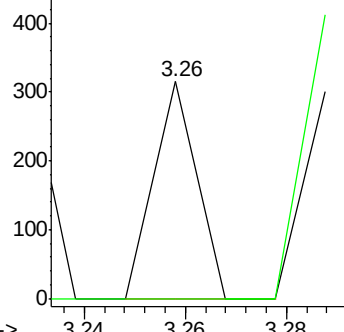
59 100

57 0.0 6.2 9.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#16

Acetone

Concen: 5.258 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058280.D

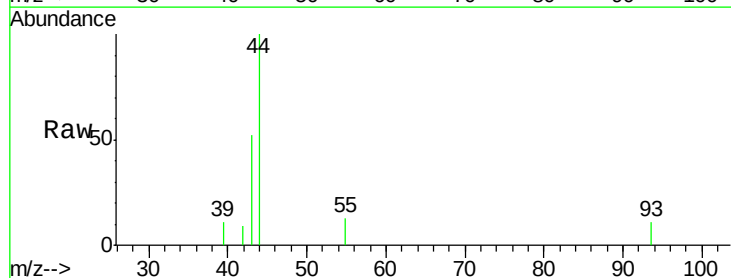
Acq: 22 Jun 2018 6:13

Tgt Ion: 43 Resp: 3917

Ion Ratio Lower Upper

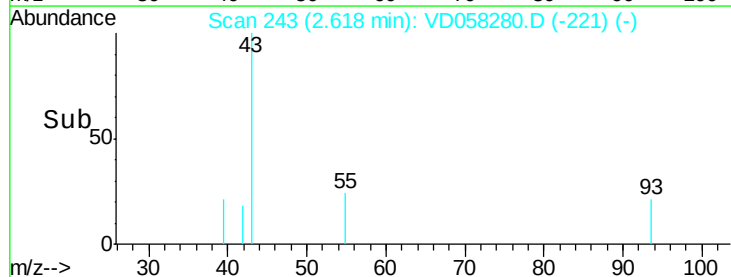
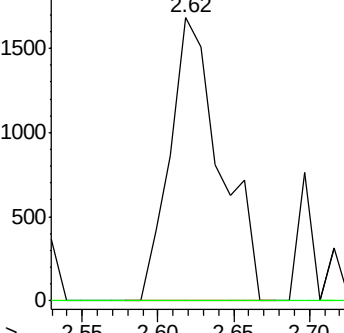
43 100

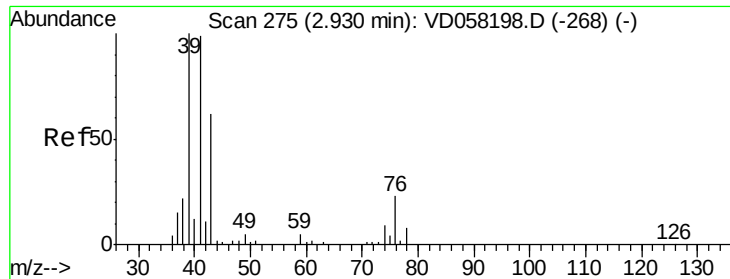
58 0.0 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

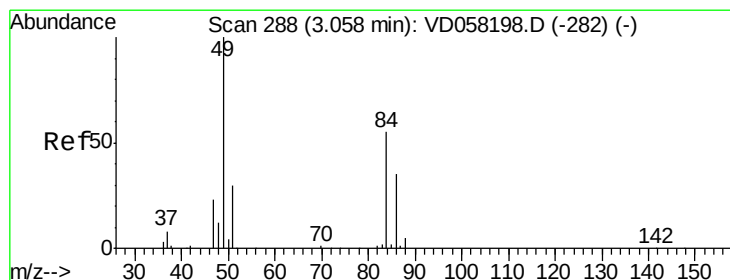
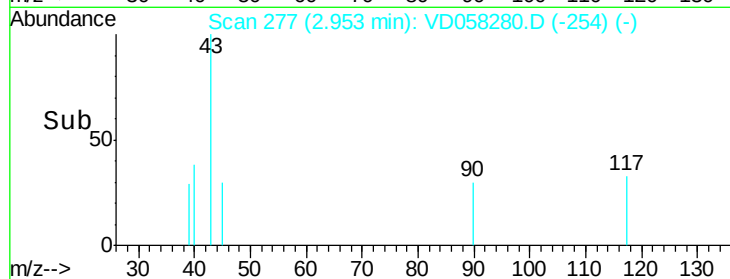
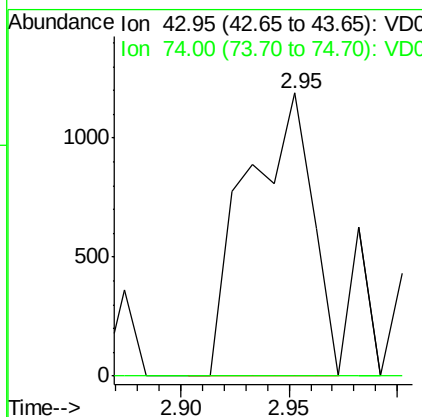
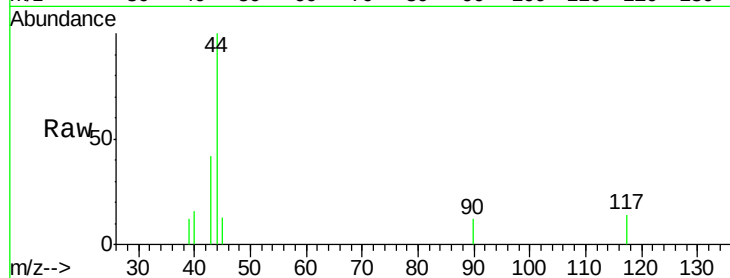




#18
Methyl Acetate
Concen: 1.591 ug/l
RT: 2.95 min Scan# 277
Delta R.T. 0.02 min
Lab File: VD058280.D
Acq: 22 Jun 2018 6:13

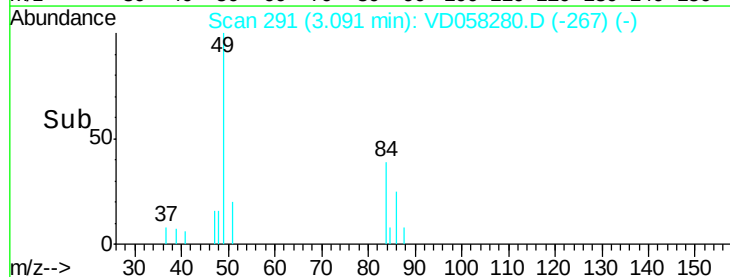
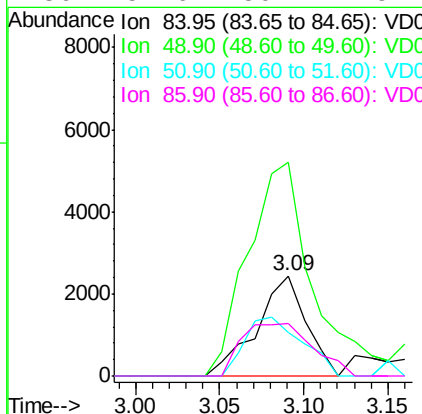
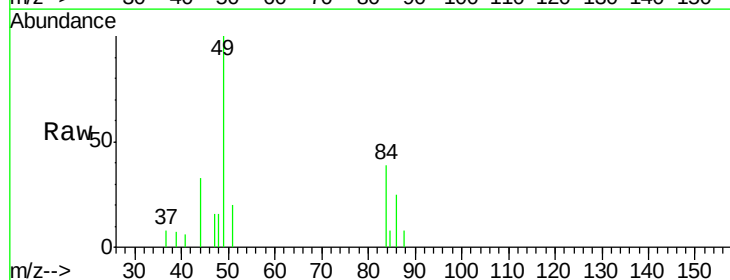
Instrument :
MSVOA_D
ClientSampled :
HC-SOIL-2

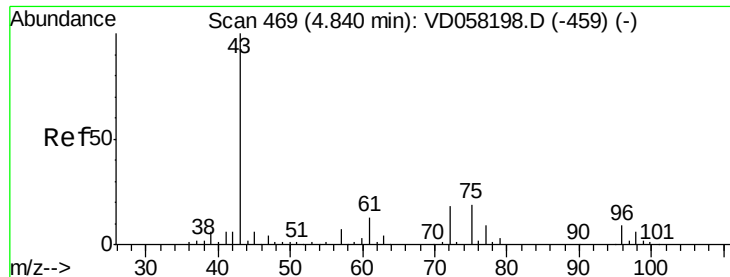
Tot Ion: 43 Resp: 2527
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.09 min Scan# 291
Delta R.T. 0.03 min
Lab File: VD058280.D
Acq: 22 Jun 2018 6:13

Tgt Ion: 84 Resp: 4970
Ion Ratio Lower Upper
84 100
49 212.9 145.0 217.6
51 43.4 42.9 64.3
86 52.6 50.1 75.1





#25

2-Butanone

Concen: 1.436 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058280.D

Acq: 22 Jun 2018 6:13

Instrument :

MSVOA_D

ClientSampled :

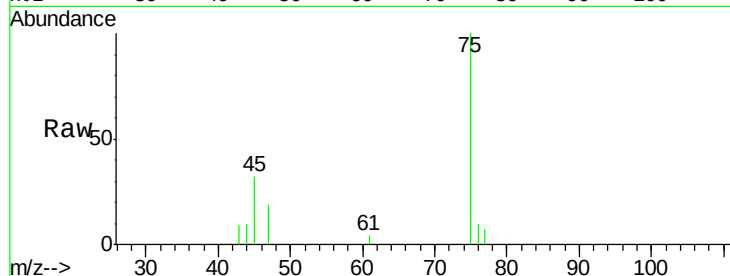
HC-SOIL-2

Tot Ion: 43 Resp: 2332

Ion Ratio Lower Upper

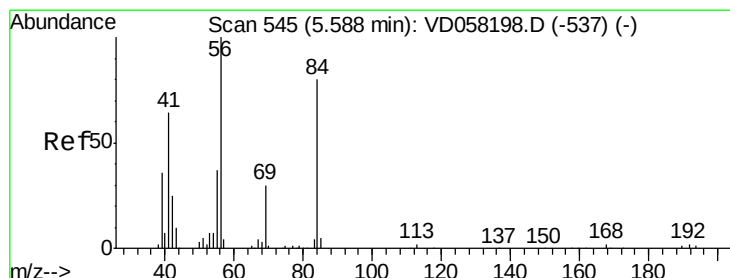
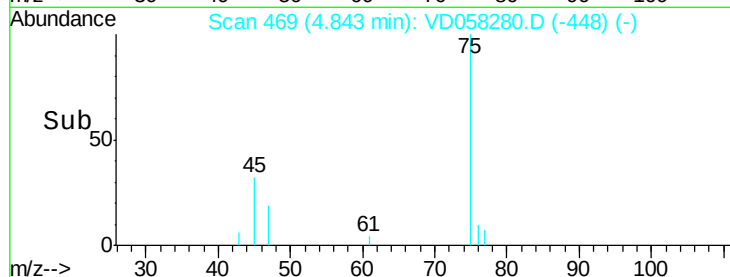
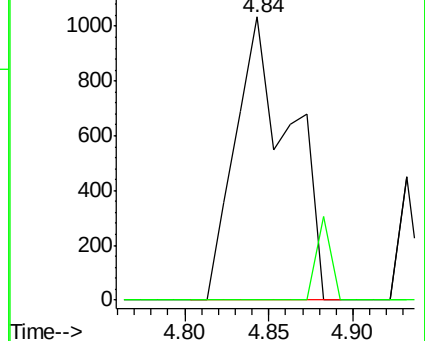
43 100

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: VD058280.D

Acq: 22 Jun 2018 6:13

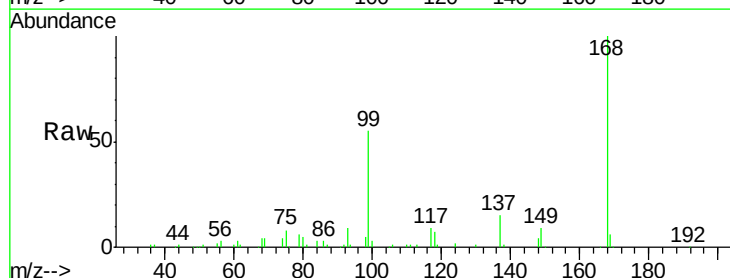
Tgt Ion: 56 Resp: 12988

Ion Ratio Lower Upper

56 100

69 176.0 23.6 35.4#

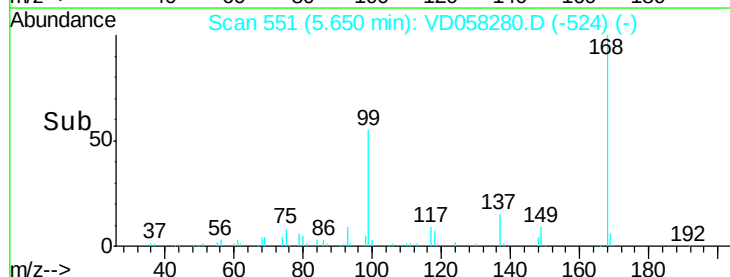
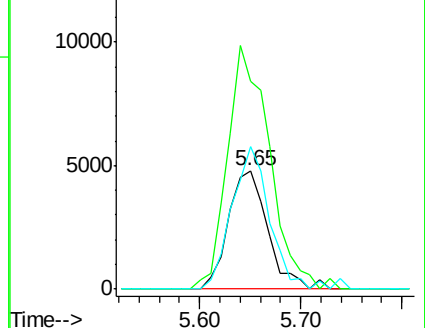
84 120.4 65.2 97.8#

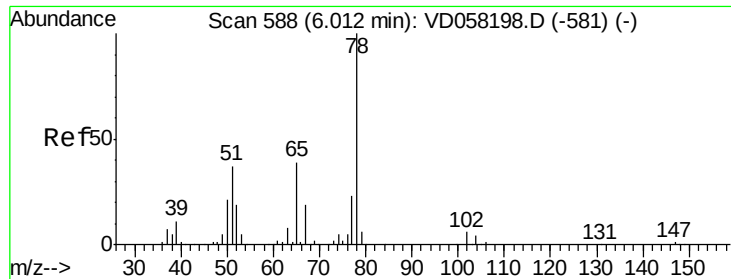


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

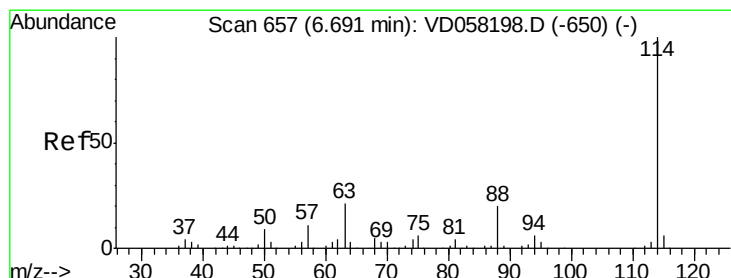
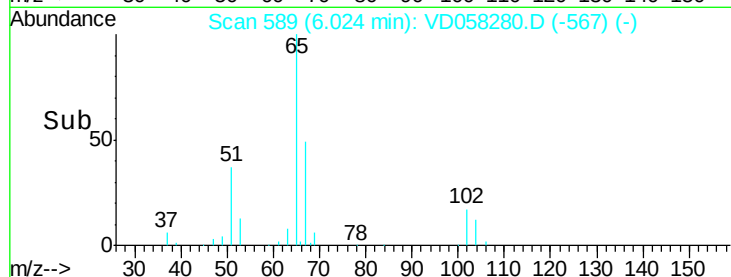
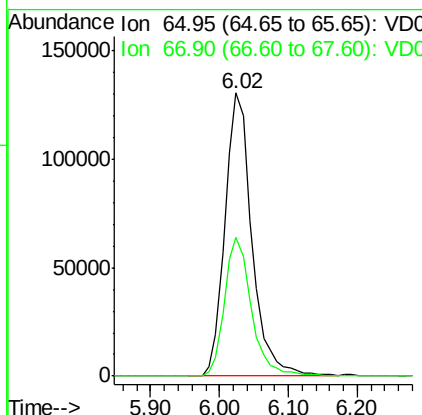
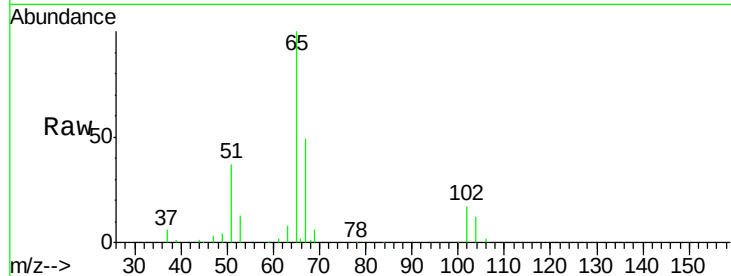




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD058280.D
 Acq: 22 Jun 2018 6:13

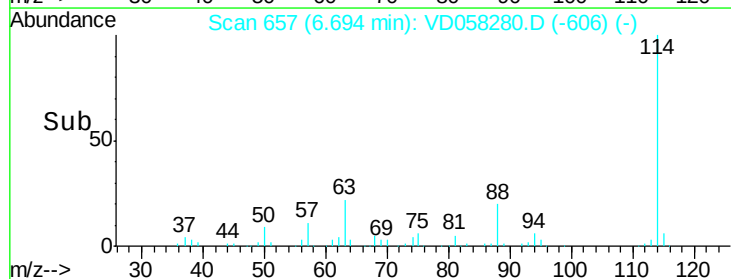
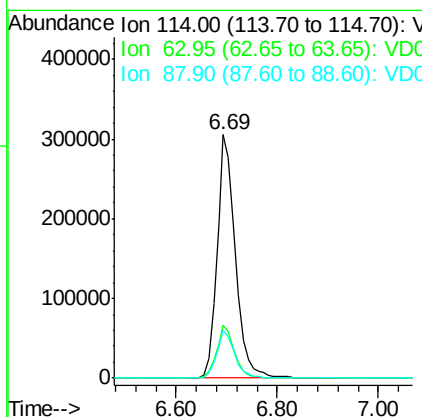
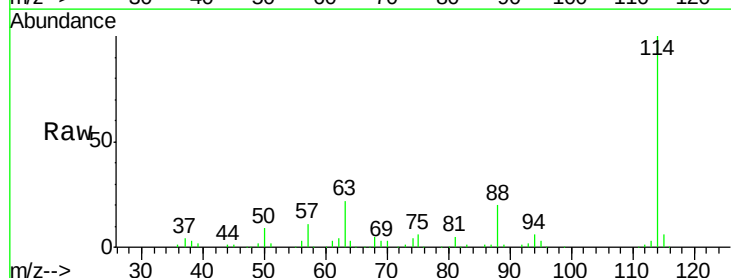
Instrument :
 MSVOA_D
 ClientSampleId :
 HC-SOIL-2

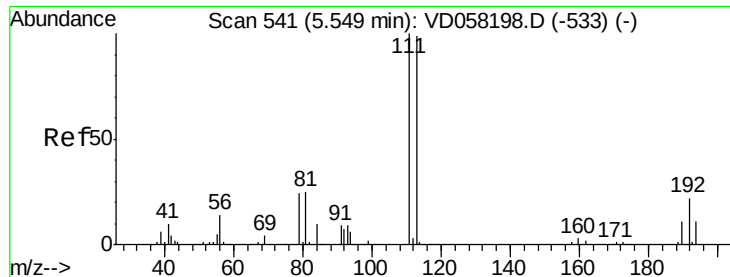
Tot Ion: 65 Resp: 354390
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD058280.D
 Acq: 22 Jun 2018 6:13

Tgt Ion: 114 Resp: 776451
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 42.6
 88 19.6 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058280.D

Acq: 22 Jun 2018 6:13

Instrument :

MSVOA_D

ClientSampleId :

HC-SOIL-2

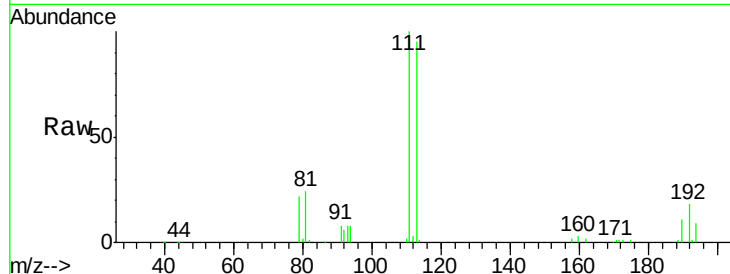
Tot Ion:113 Resp: 362355

Ion Ratio Lower Upper

113 100

111 104.9 80.6 121.0

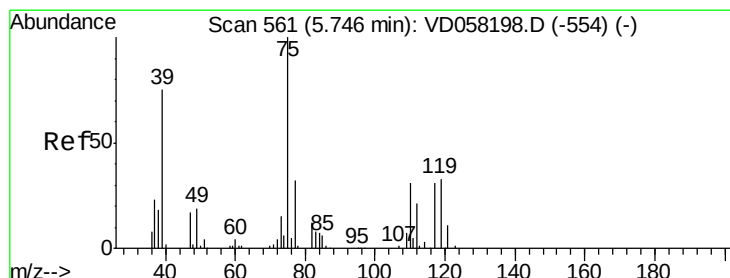
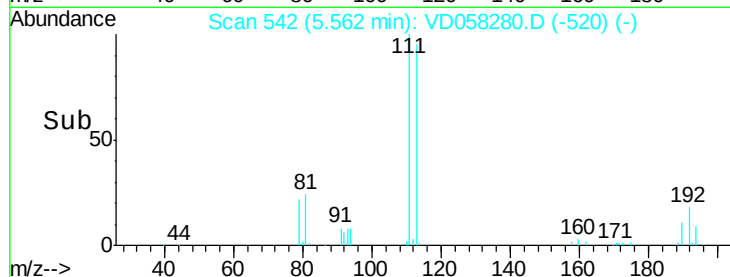
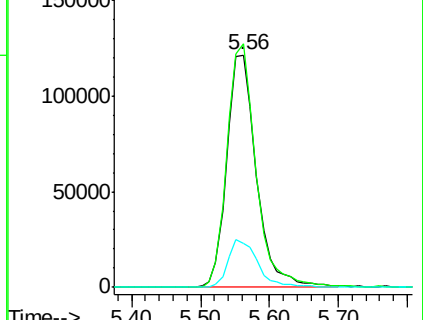
192 19.1 17.8 26.6



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: 6.161 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.10 min

Lab File: VD058280.D

Acq: 22 Jun 2018 6:13

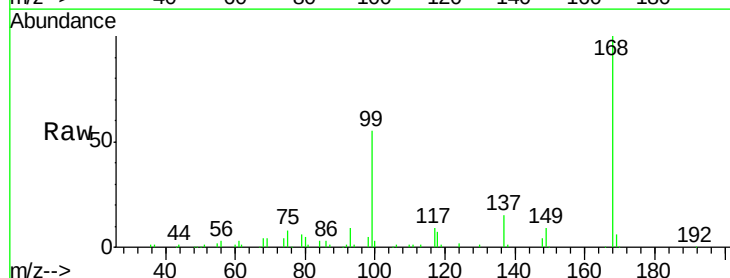
Tgt Ion: 75 Resp: 47322

Ion Ratio Lower Upper

75 100

110 8.5 15.4 46.4#

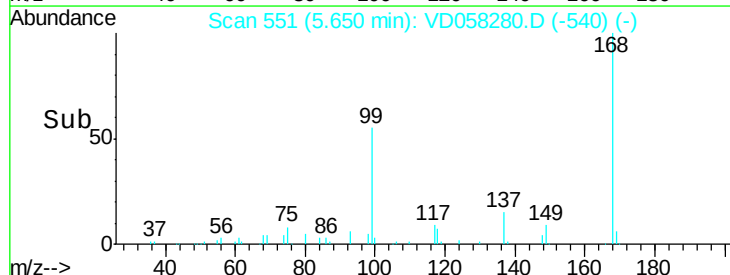
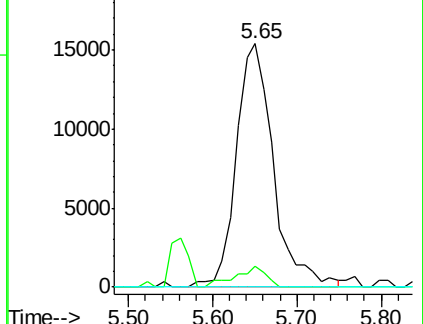
77 0.0 25.4 38.2#

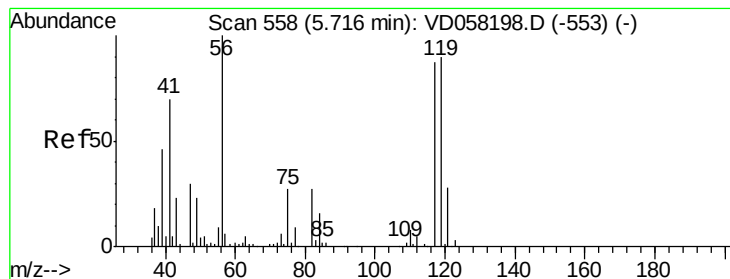


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 6.199 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.07 min

Lab File: VD058280.D

Acq: 22 Jun 2018 6:13

Instrument :

MSVOA_D

ClientSampleId :

HC-SOIL-2

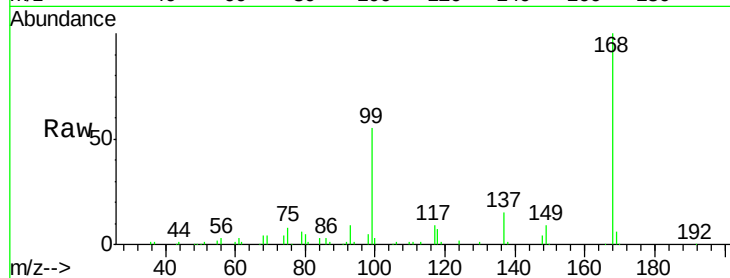
Tot Ion:117 Resp: 47314

Ion Ratio Lower Upper

117 100

119 5.8 78.8 118.2#

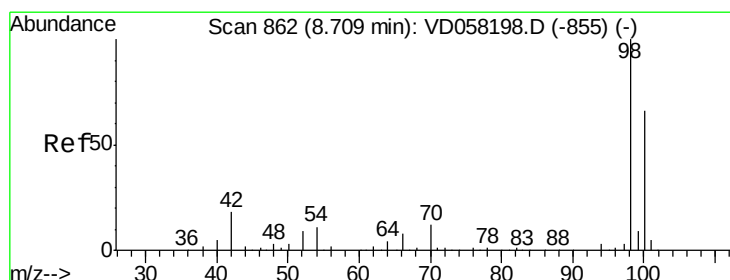
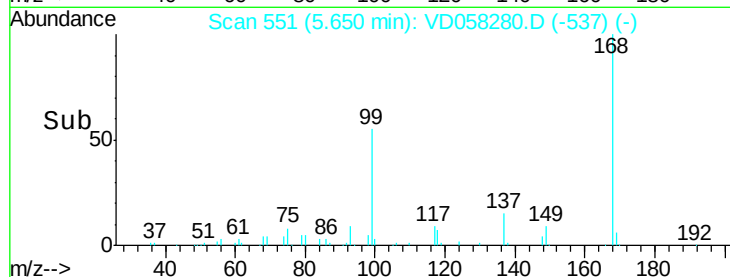
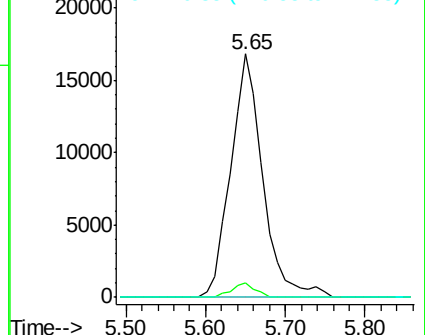
121 0.0 25.0 37.6#



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: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058280.D

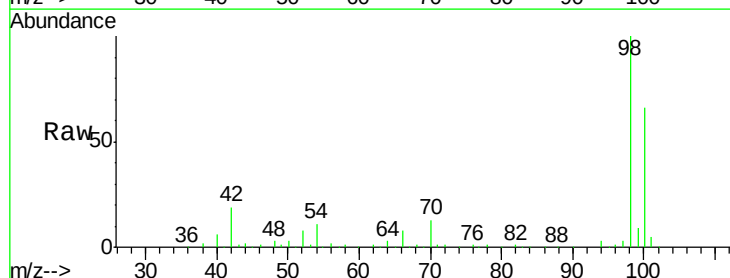
Acq: 22 Jun 2018 6:13

Tgt Ion: 98 Resp: 624156

Ion Ratio Lower Upper

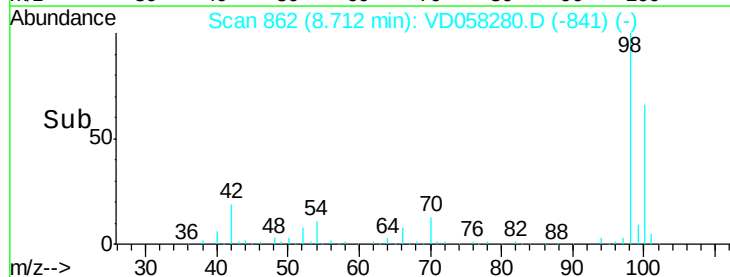
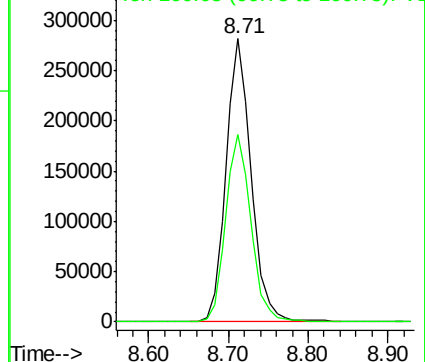
98 100

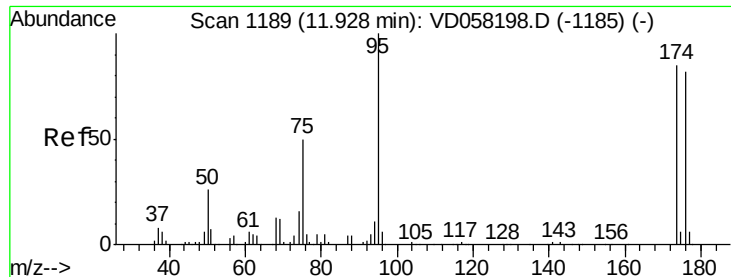
100 66.0 53.6 80.4



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: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058280.D

Acq: 22 Jun 2018 6:13

Instrument :

MSVOA_D

ClientSampleId :

HC-SOIL-2

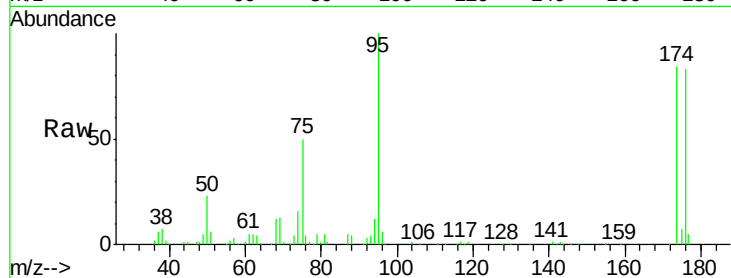
Tot Ion: 95 Resp: 297112

Ion Ratio Lower Upper

95 100

174 84.3 0.0 170.2

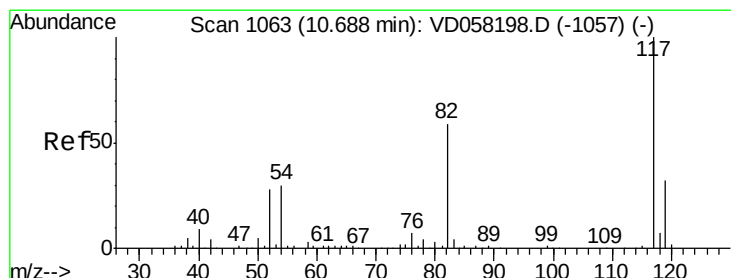
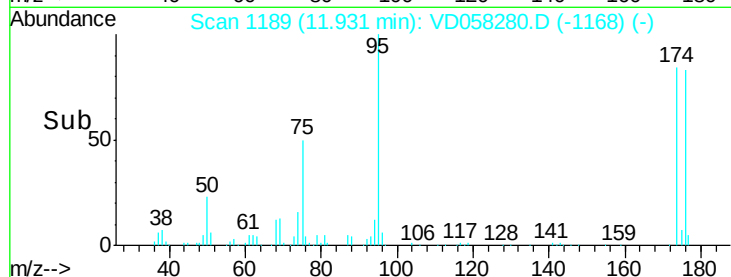
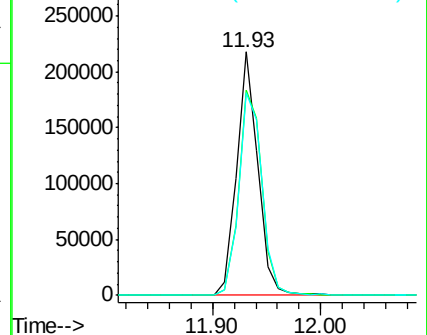
176 83.2 0.0 164.6



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: 10.69 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD058280.D

Acq: 22 Jun 2018 6:13

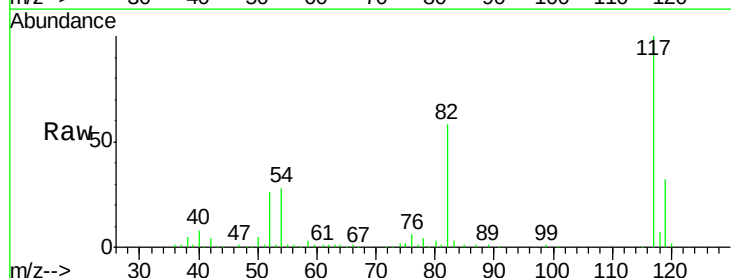
Tgt Ion: 117 Resp: 566846

Ion Ratio Lower Upper

117 100

82 58.2 47.0 70.6

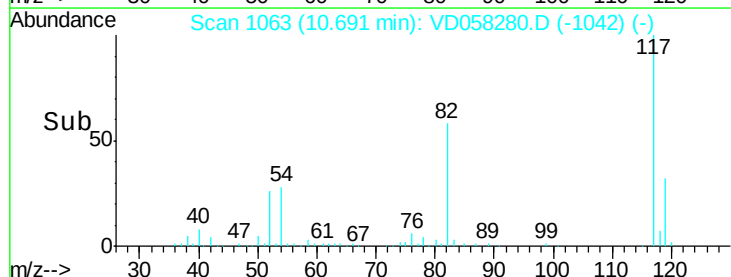
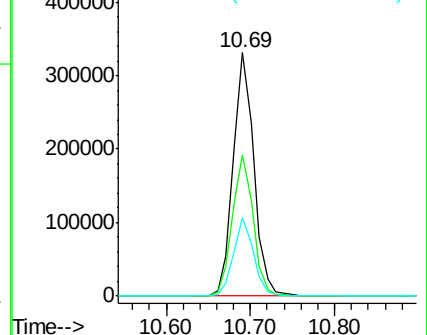
119 32.4 25.3 37.9

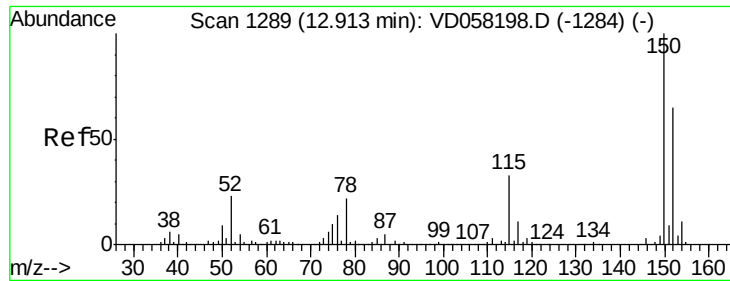


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.91 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058280.D

Acq: 22 Jun 2018 6:13

Instrument :

MSVOA_D

ClientSampleId :

HC-SOIL-2

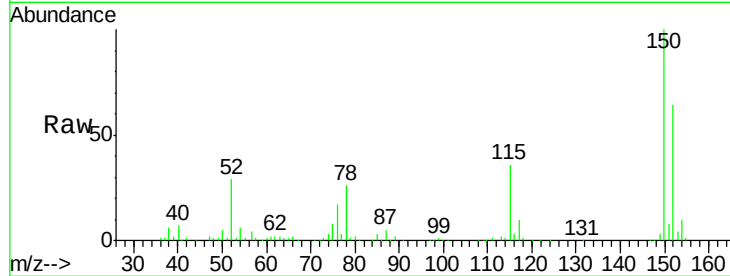
Tot Ion:152 Resp: 252017

Ion Ratio Lower Upper

152 100

115 56.2 25.1 75.3

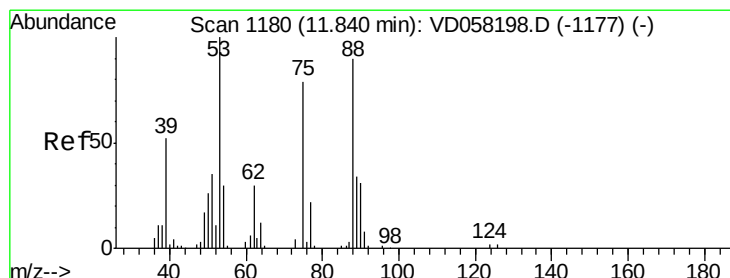
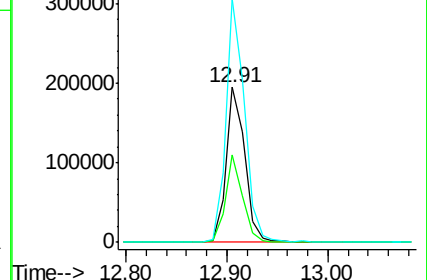
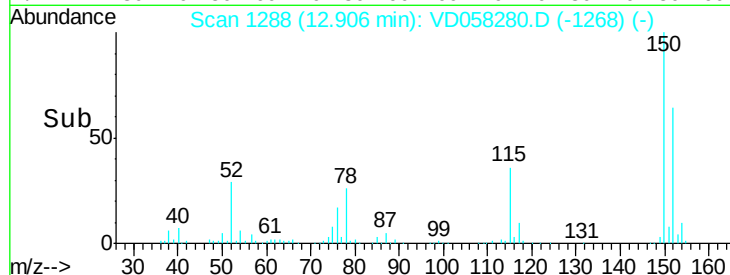
150 157.2 0.0 308.8



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: 162.108 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058280.D

Acq: 22 Jun 2018 6:13

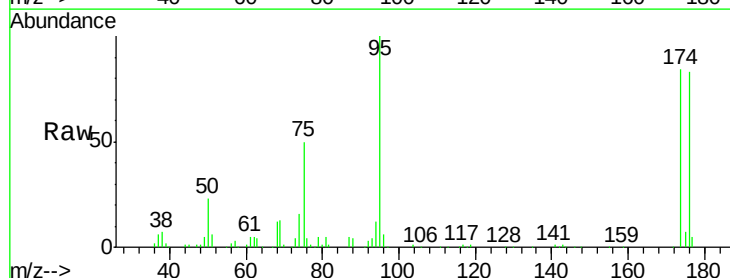
Tgt Ion: 75 Resp: 145477

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

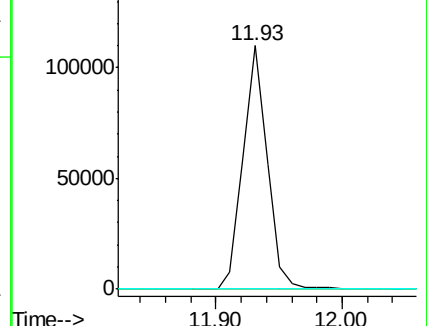
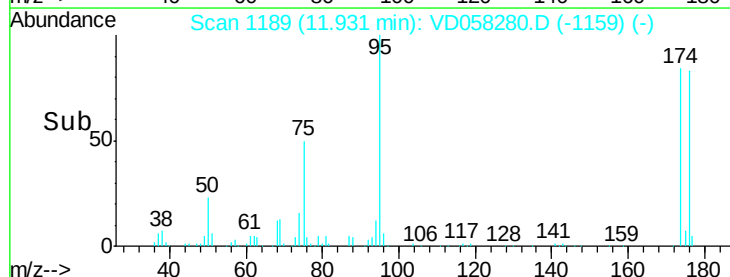
89 0.0 34.6 52.0#

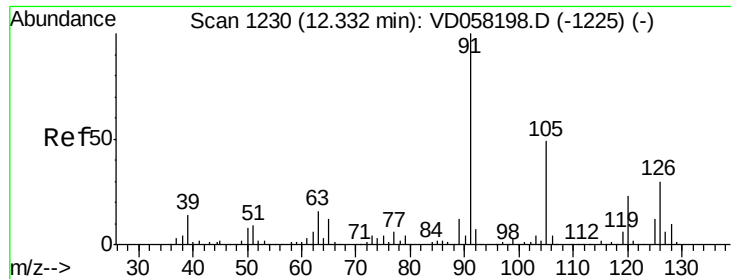


Abundance Ion 75.00 (74.70 to 75.70): VDC

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: VD058280.D
 Acq: 22 Jun 2018 6:13

Instrument :
 MSVOA_D
 ClientSampleId :
 HC-SOIL-2

Tot Ion: 91 Resp: 222
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.9 44.9#

