

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121718\
 Data File : VD060596.D
 Acq On : 17 Dec 2018 13:41
 Operator : VA/AP
 Sample : J6453-01
 Misc : 7.31g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-SOIL

Quant Time: Dec 18 11:15:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1354552	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.47	114	1879466	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.29	117	1470637	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	677400	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.81	65	475957	49.57	ug/l	0.01
Spiked Amount 50.000			Recovery	=	99.14%	
35) Dibromofluoromethane	6.34	113	642896	46.57	ug/l	0.01
Spiked Amount 50.000			Recovery	=	93.14%	
50) Toluene-d8	9.47	98	1845622	46.20	ug/l	0.01
Spiked Amount 50.000			Recovery	=	92.40%	
62) 4-Bromofluorobenzene	12.44	95	615796	43.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.16%	

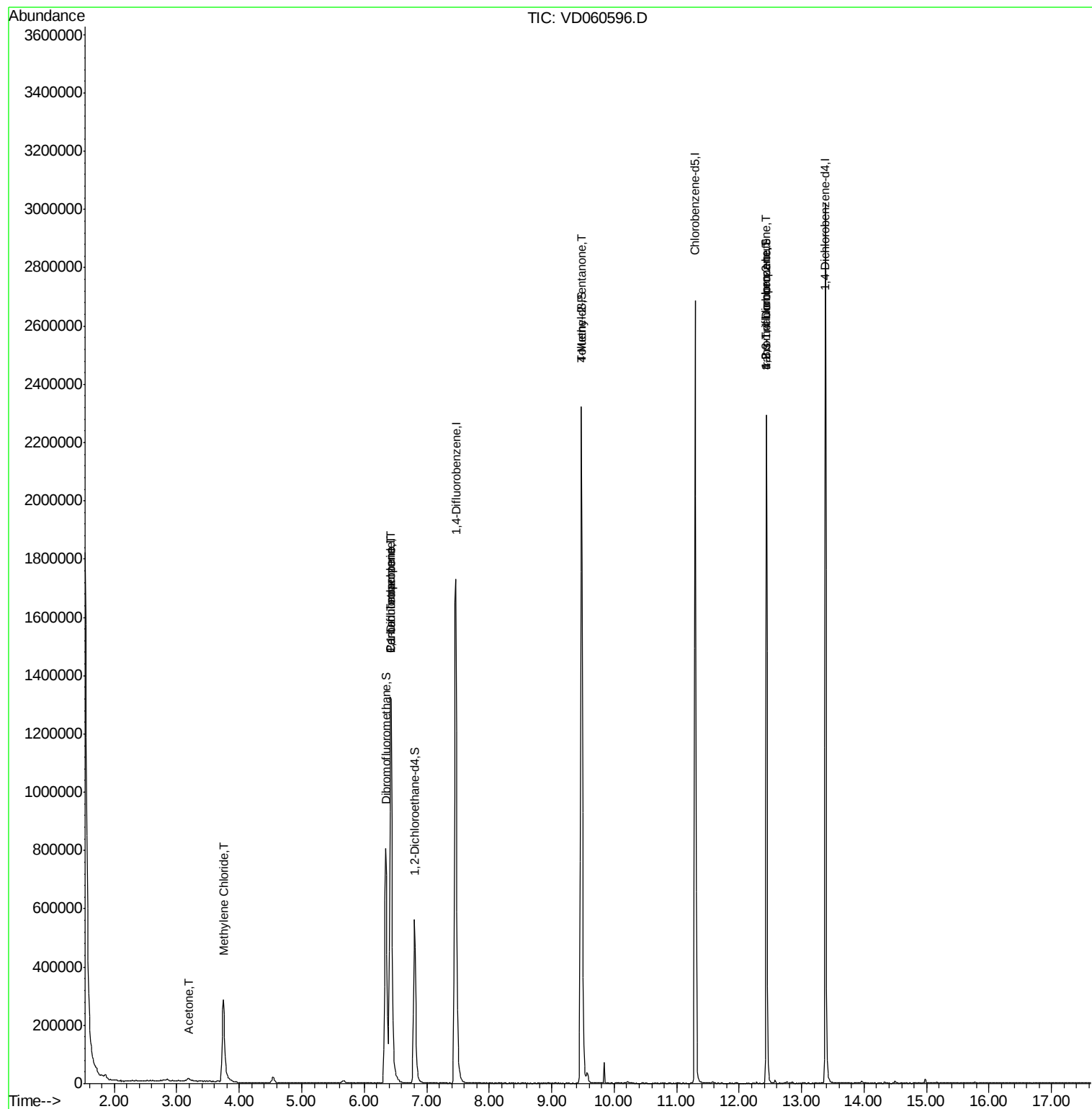
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	182	Below Cal	#	41
16) Acetone	3.19	43	23024	14.961	ug/l	97
20) Methylene Chloride	3.75	84	189546	9.819	ug/l	96
31) Cyclohexane	6.42	56	26099	Below Cal	#	1
36) 1,1-Dichloropropene	6.42	75	96412	5.248	ug/l	# 46
38) Carbon Tetrachloride	6.43	117	105635	6.405	ug/l	# 15
51) 4-Methyl-2-Pentanone	9.47	43	10158	1.660	ug/l	# 1
76) 1,2,3-Trichloropropane	12.44	75	244831	31.898	ug/l	# 44
81) trans-1,4-Dichloro-2-buten	12.44	75	249872	116.725	ug/l	# 14
89) n-Butylbenzene	13.66	91	1146	Below Cal	#	66

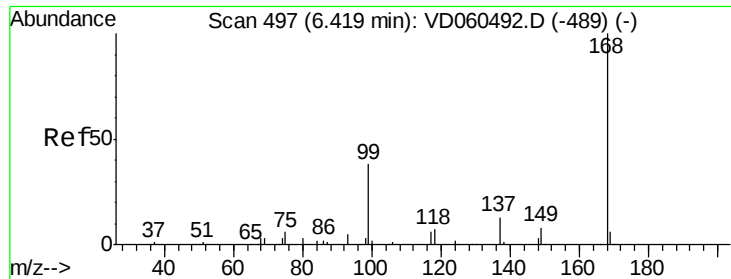
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD121718\
Data File : VD060596.D
Acq On : 17 Dec 2018 13:41
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Misc : 7.31g/5ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SS-SOIL

Quant Time: Dec 18 11:15:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060596.D

Acq: 17 Dec 2018 13:41

Instrument :

MSVOA_D

ClientSampled :

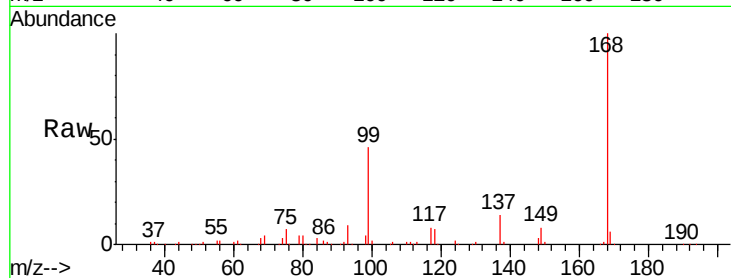
SS-SOIL

Tgt Ion:168 Resp: 1354552

Ion Ratio Lower Upper

168 100

99 45.8 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.43

500000

400000

300000

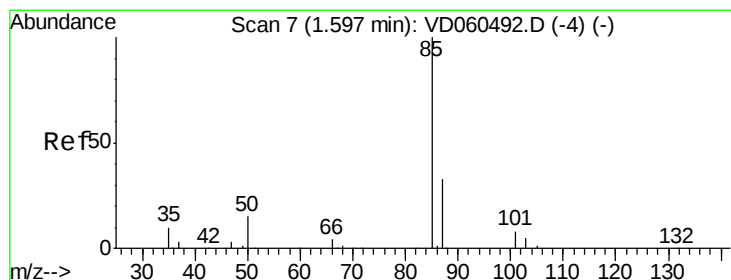
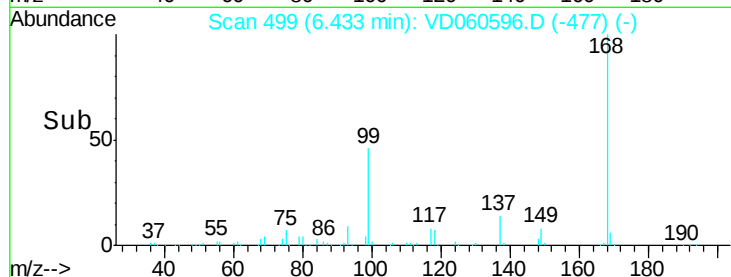
200000

100000

0

Time-->

6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.61 min Scan# 9

Delta R.T. 0.01 min

Lab File: VD060596.D

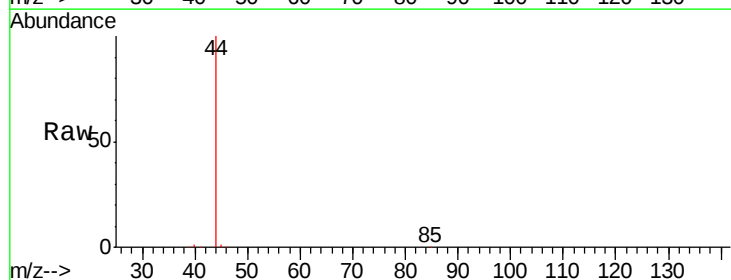
Acq: 17 Dec 2018 13:41

Tgt Ion: 85 Resp: 182

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

300

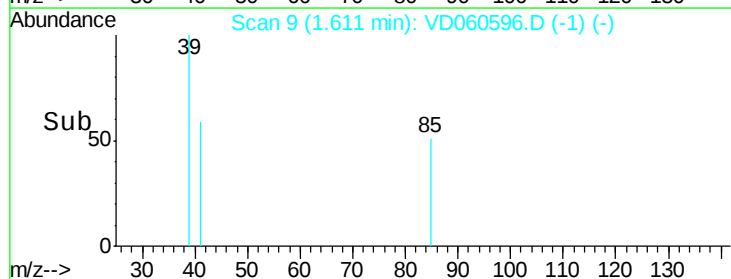
200

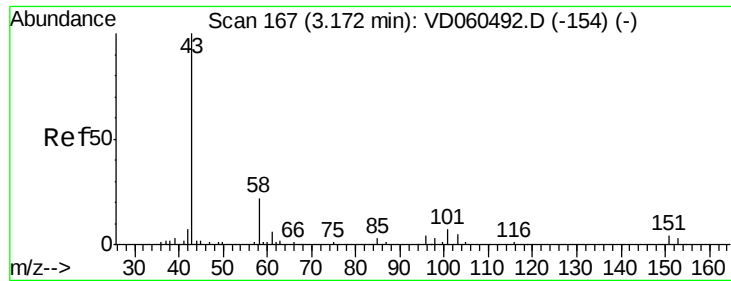
100

0

Time-->

1.58 1.60 1.62 1.64





#16

Acetone

Concen: 14.961 ug/l

RT: 3.19 min Scan# 169

Delta R.T. 0.01 min

Lab File: VD060596.D

Acq: 17 Dec 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

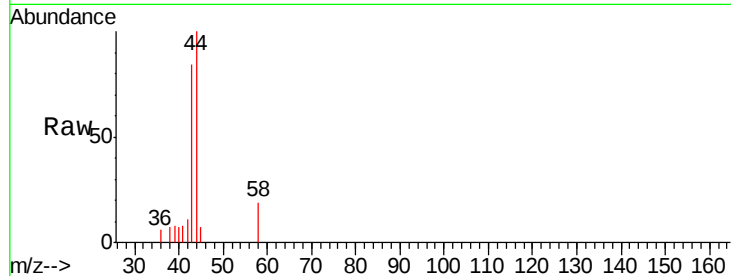
SS-SOIL

Tgt Ion: 43 Resp: 23024

Ion Ratio Lower Upper

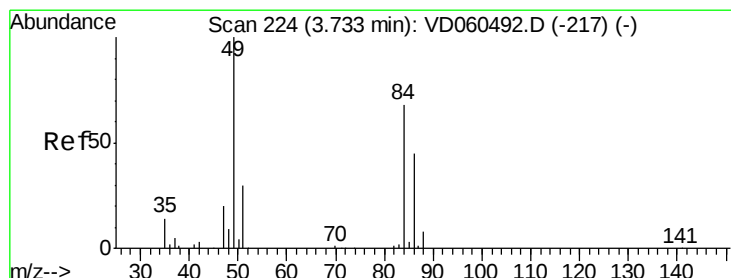
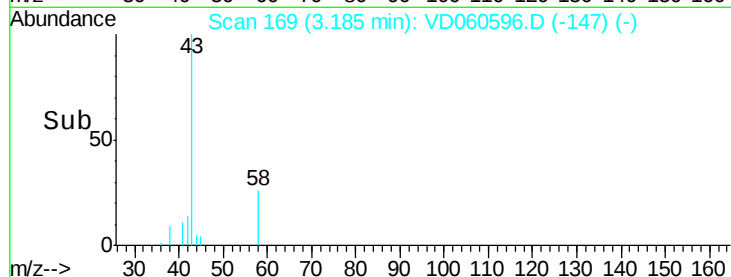
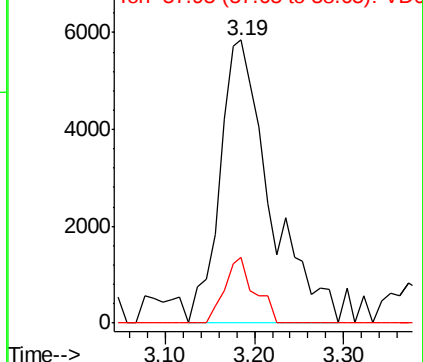
43 100

58 23.1 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 9.819 ug/l

RT: 3.75 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD060596.D

Acq: 17 Dec 2018 13:41

Tgt Ion: 84 Resp: 189546

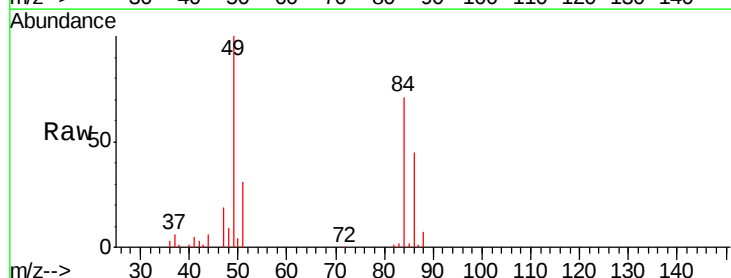
Ion Ratio Lower Upper

84 100

49 141.0 117.2 175.8

51 43.3 35.3 52.9

86 63.9 53.2 79.8

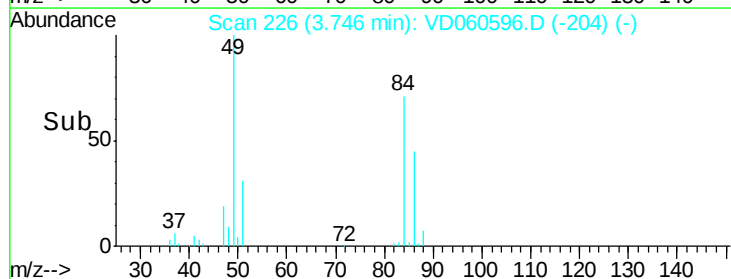
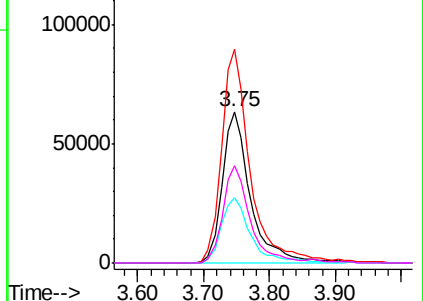


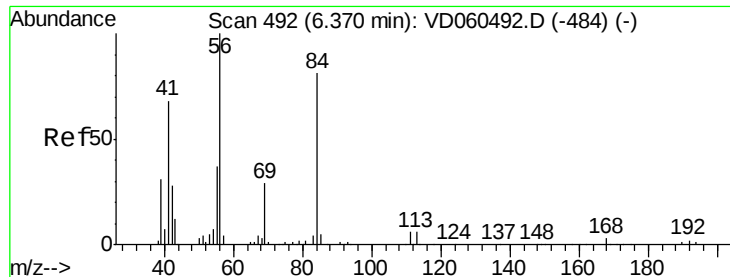
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

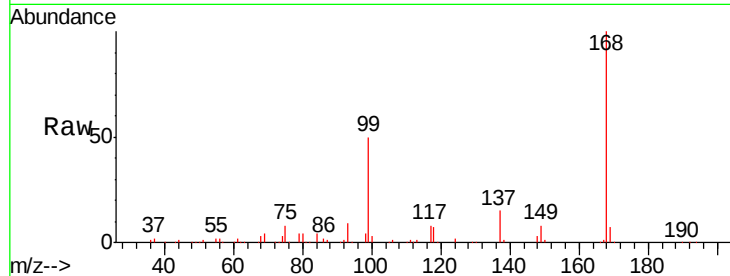




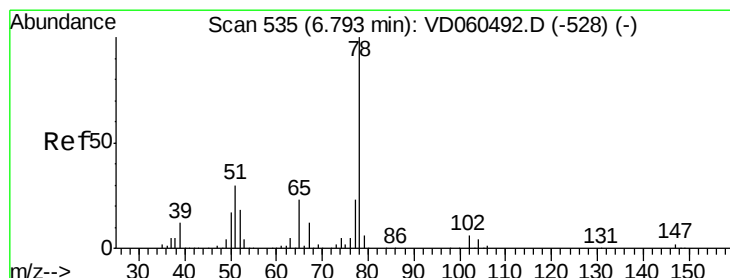
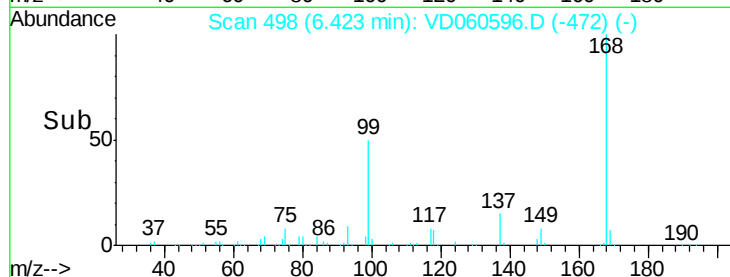
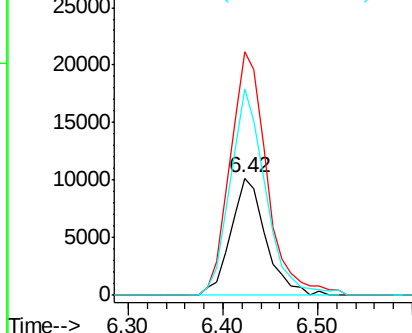
#31
Cyclohexane
Concen: Below Cal
RT: 6.42 min Scan# 498
Delta R.T. 0.05 min
Lab File: VD060596.D
Acq: 17 Dec 2018 13:41

Instrument :
MSVOA_D
ClientSampleId :
SS-SOIL

Tgt Ion: 56 Resp: 26099
Ion Ratio Lower Upper
56 100
69 208.0 22.8 34.2#
84 176.5 65.1 97.7#

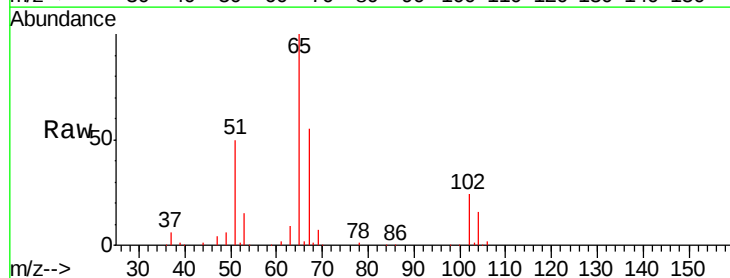


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

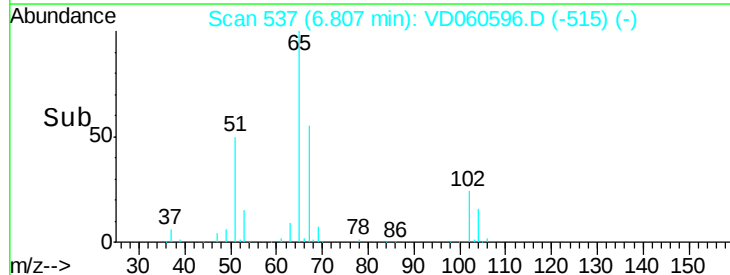
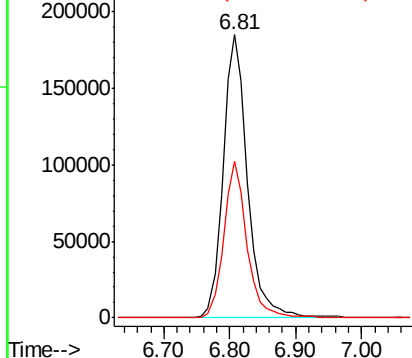


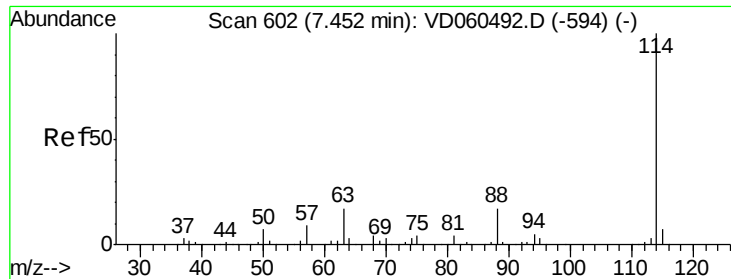
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.81 min Scan# 537
Delta R.T. 0.01 min
Lab File: VD060596.D
Acq: 17 Dec 2018 13:41

Tgt Ion: 65 Resp: 475957
Ion Ratio Lower Upper
65 100
67 55.1 0.0 106.8



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

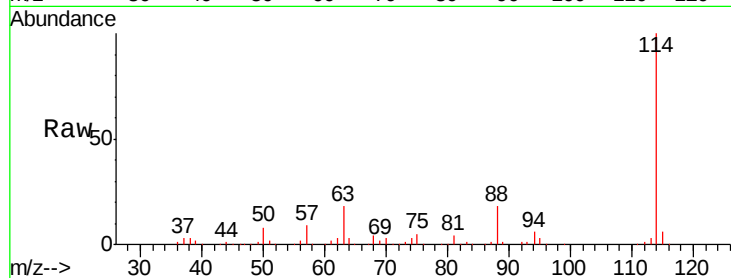




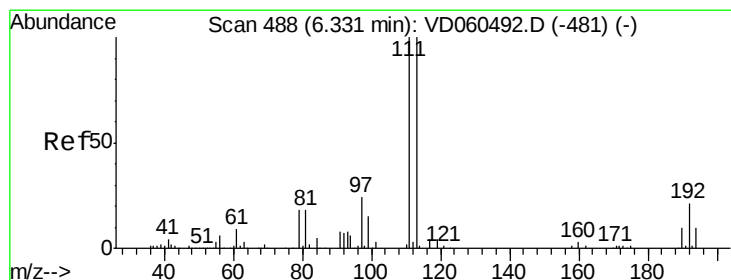
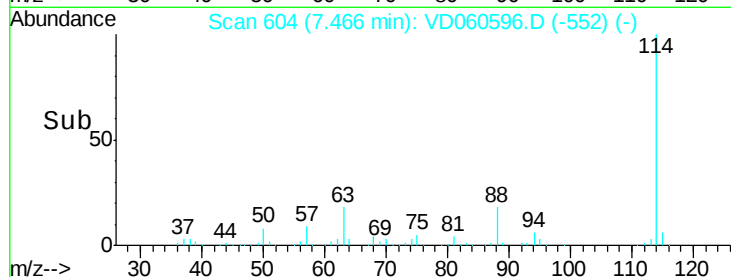
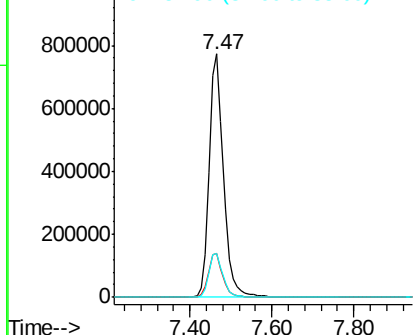
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.47 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VD060596.D
 Acq: 17 Dec 2018 13:41

Instrument :
 MSVOA_D
 ClientSampleID :
 SS-SOIL

Tgt Ion:114 Resp: 1879466
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 34.2
 88 18.1 0.0 35.0

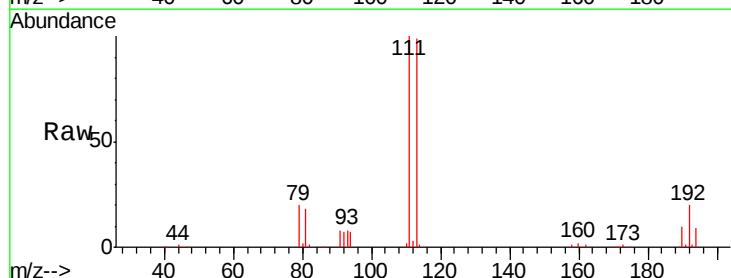


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

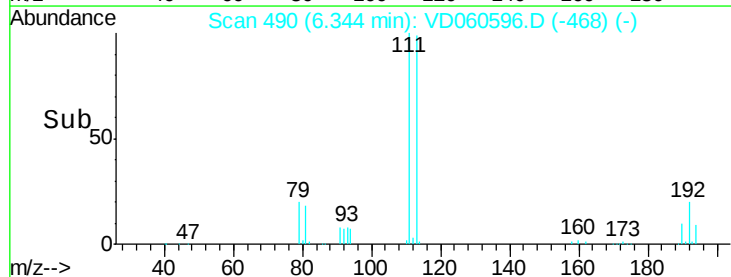
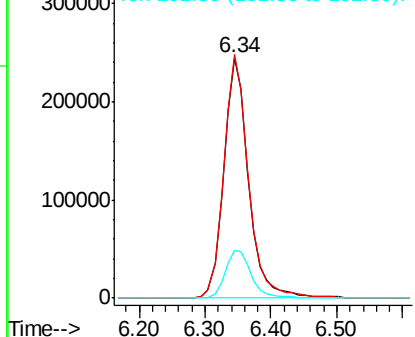


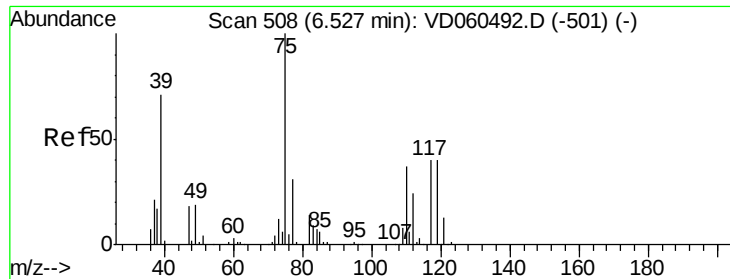
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.34 min Scan# 490
 Delta R.T. 0.01 min
 Lab File: VD060596.D
 Acq: 17 Dec 2018 13:41

Tgt Ion:113 Resp: 642896
 Ion Ratio Lower Upper
 113 100
 111 101.3 80.2 120.4
 192 19.9 16.6 24.8



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

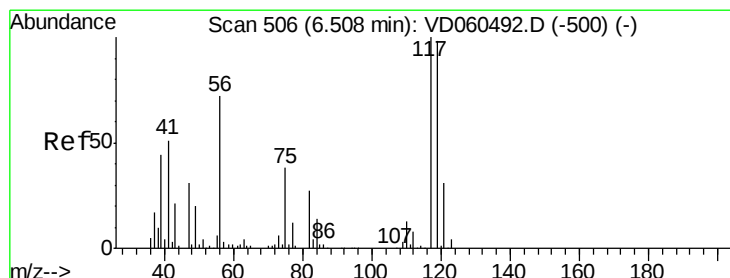
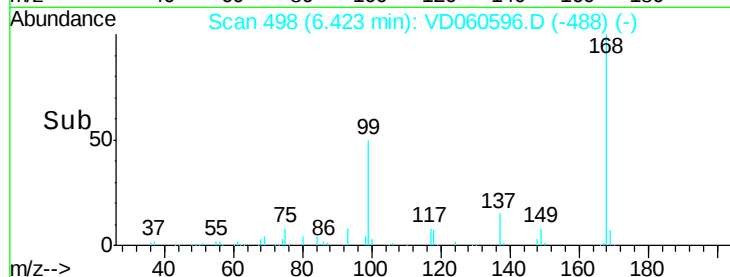
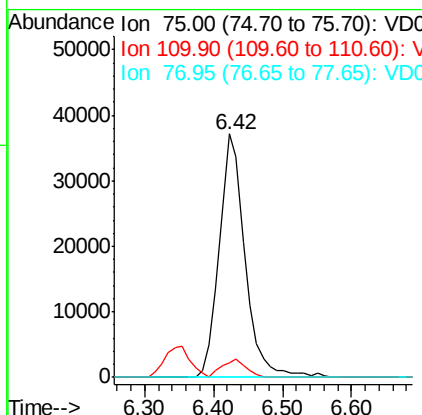
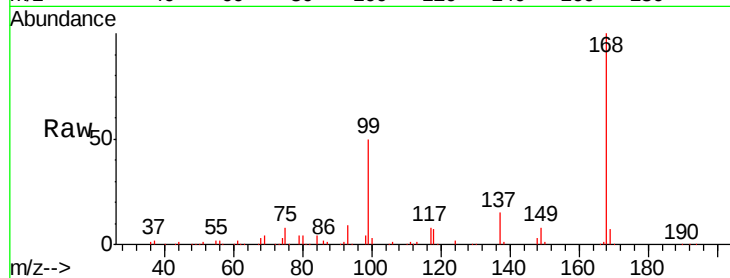




#36
 1,1-Dichloropropene
 Concen: 5.248 ug/l
 RT: 6.42 min Scan# 498
 Delta R.T. -0.10 min
 Lab File: VD060596.D
 Acq: 17 Dec 2018 13:41

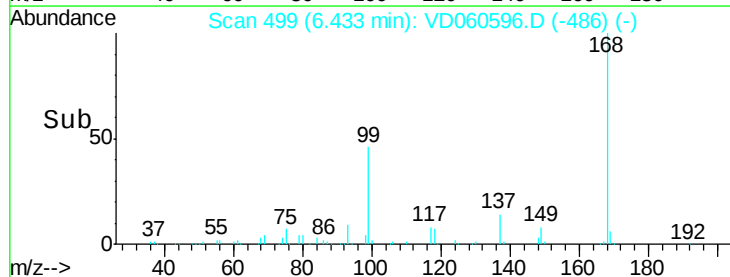
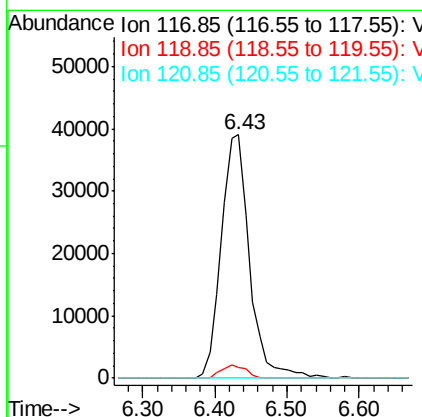
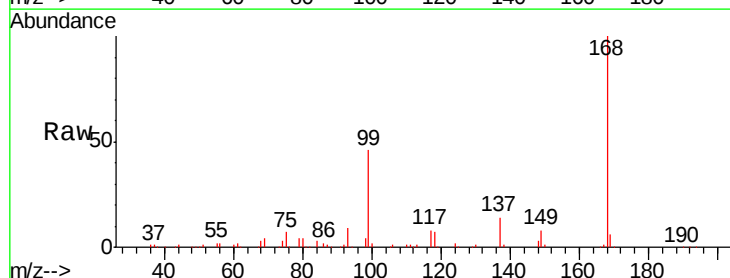
Instrument :
 MSVOA_D
 ClientSampleID :
 SS-SOIL

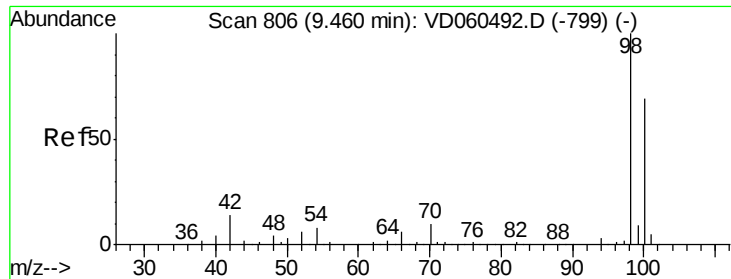
Tgt Ion: 75 Resp: 96412
 Ion Ratio Lower Upper
 75 100
 110 6.0 18.3 54.8#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.405 ug/l
 RT: 6.43 min Scan# 499
 Delta R.T. -0.08 min
 Lab File: VD060596.D
 Acq: 17 Dec 2018 13:41

Tgt Ion: 117 Resp: 105635
 Ion Ratio Lower Upper
 117 100
 119 4.4 76.8 115.2#
 121 0.0 24.4 36.6#

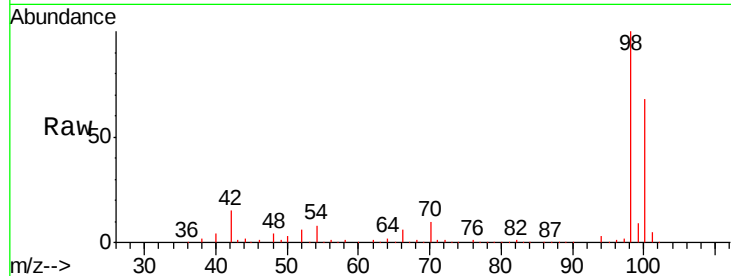




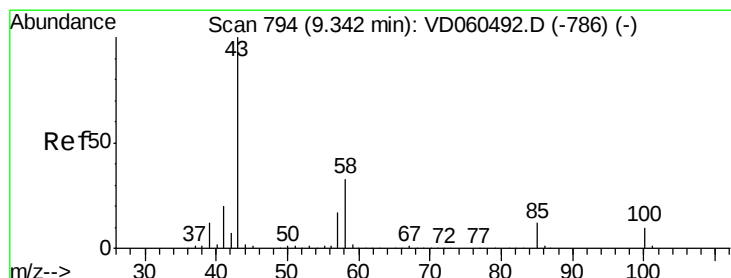
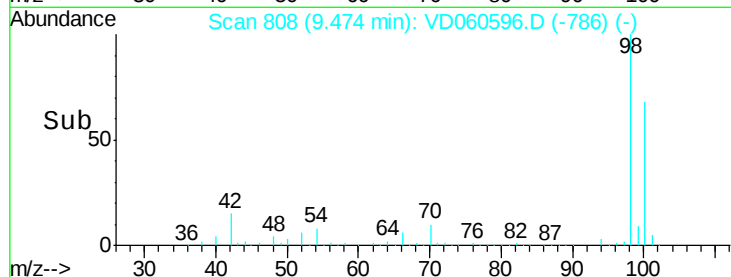
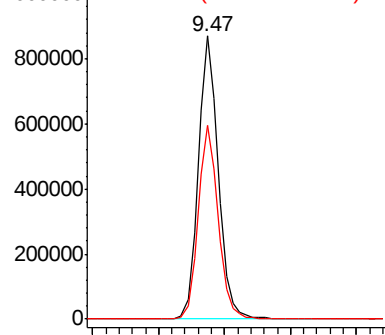
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.47 min Scan# 808
Delta R.T. 0.01 min
Lab File: VD060596.D
Acq: 17 Dec 2018 13:41

Instrument :
MSVOA_D
ClientSampleId :
SS-SOIL

Tgt Ion: 98 Resp: 1845622
Ion Ratio Lower Upper
98 100
100 68.4 55.7 83.5

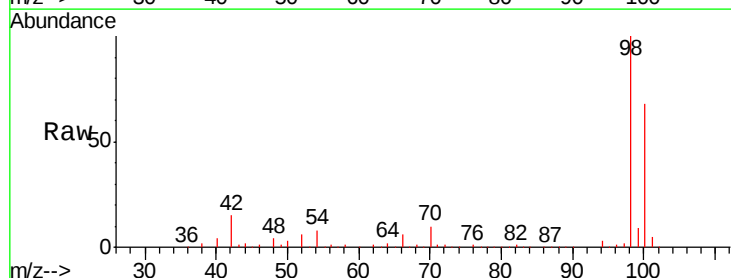


Abundance Ion 98.05 (97.75 to 98.75): VD060492.D (-799) (-)
Ion 100.05 (99.75 to 100.75): VD060492.D (-799) (-)

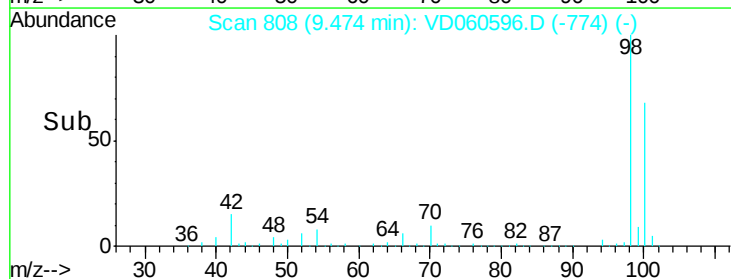
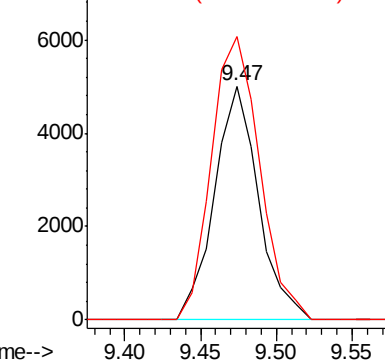


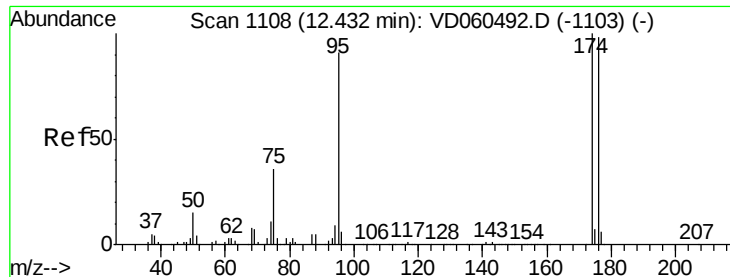
#51
4-Methyl-2-Pentanone
Concen: 1.660 ug/l
RT: 9.47 min Scan# 808
Delta R.T. 0.13 min
Lab File: VD060596.D
Acq: 17 Dec 2018 13:41

Tgt Ion: 43 Resp: 10158
Ion Ratio Lower Upper
43 100
58 121.0 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VD060492.D (-786) (-)
Ion 57.95 (57.65 to 58.65): VD060492.D (-786) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VD060596.D

Acq: 17 Dec 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

SS-SOIL

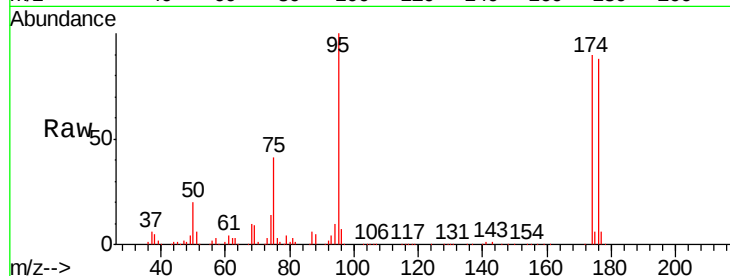
Tgt Ion: 95 Resp: 615796

Ion Ratio Lower Upper

95 100

174 89.9 0.0 219.4

176 88.0 0.0 214.6



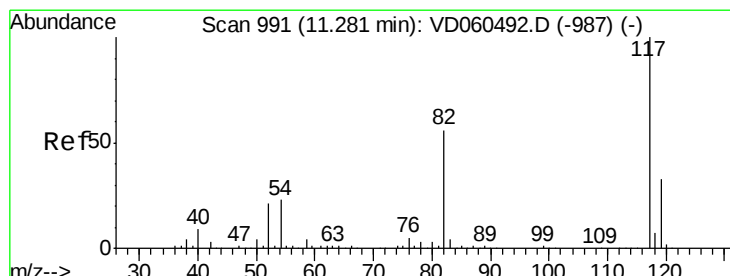
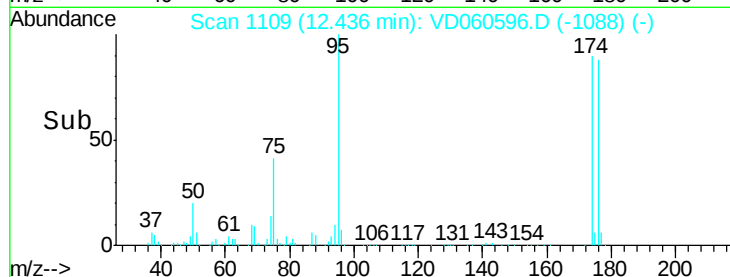
Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.44

Time--> 12.30 12.40 12.50 12.60



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.29 min Scan# 993

Delta R.T. 0.01 min

Lab File: VD060596.D

Acq: 17 Dec 2018 13:41

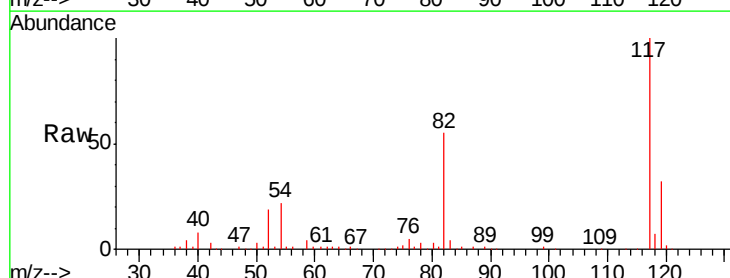
Tgt Ion: 117 Resp: 1470637

Ion Ratio Lower Upper

117 100

82 54.9 45.2 67.8

119 32.3 26.1 39.1



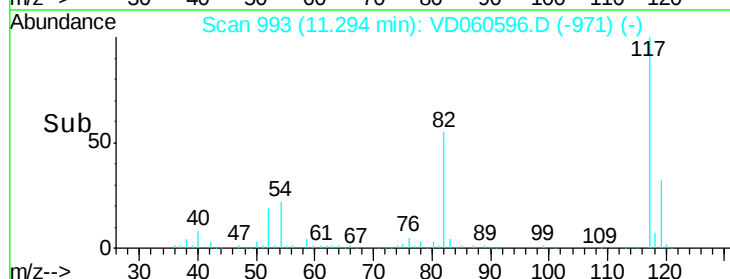
Abundance Ion 116.95 (116.65 to 117.65): V

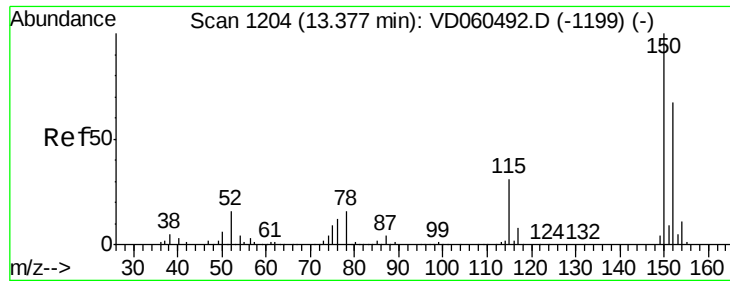
Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

11.29

Time--> 11.20 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD060596.D

Acq: 17 Dec 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

SS-SOIL

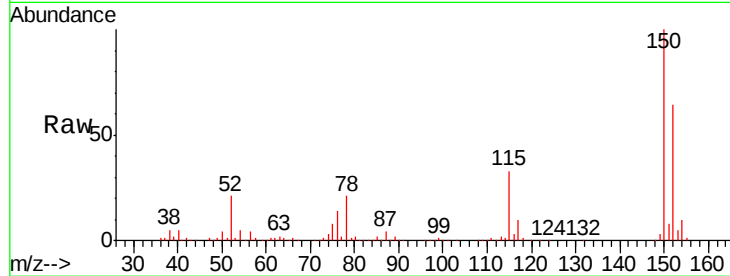
Tgt Ion:152 Resp: 677400

Ion Ratio Lower Upper

152 100

115 52.4 24.6 74.0

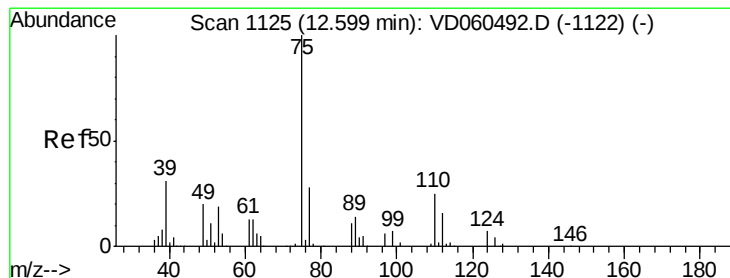
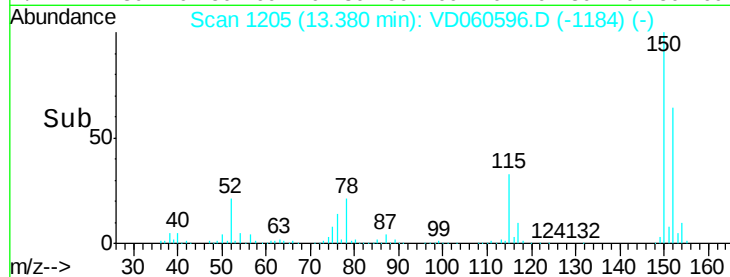
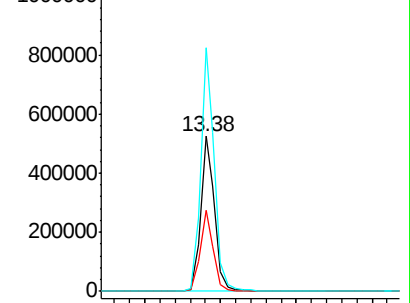
150 157.2 0.0 309.0



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



#76

1,2,3-Trichloropropane

Concen: 31.898 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.16 min

Lab File: VD060596.D

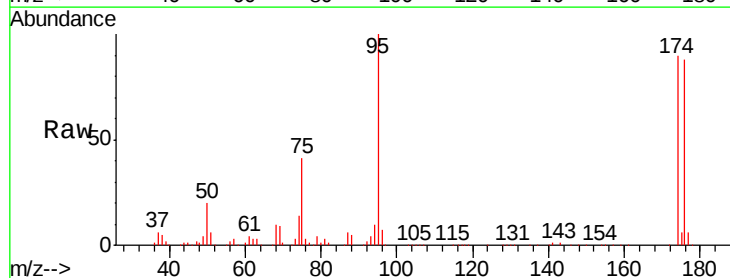
Acq: 17 Dec 2018 13:41

Tgt Ion: 75 Resp: 244831

Ion Ratio Lower Upper

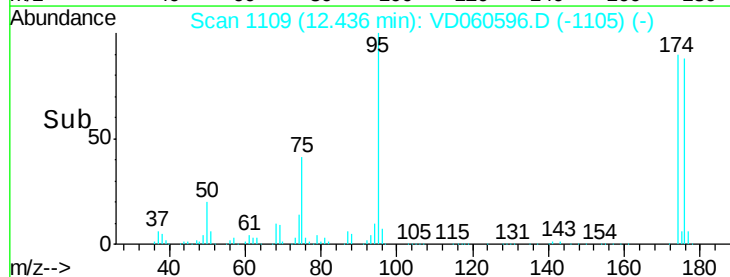
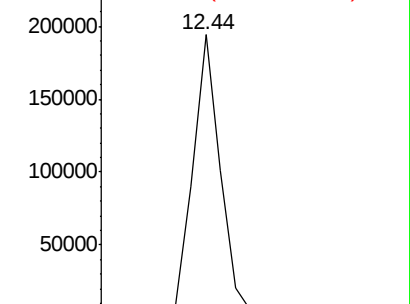
75 100

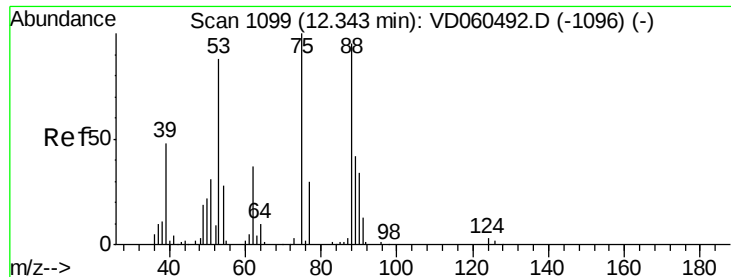
77 1.4 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 116.725 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.09 min

Lab File: VD060596.D

Acq: 17 Dec 2018 13:41

Instrument :

MSVOA_D

ClientSampleId :

SS-SOIL

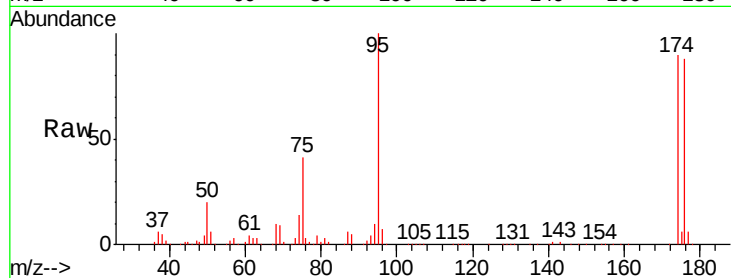
Tgt Ion: 75 Resp: 249872

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 33.6 50.4#



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

