

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091418\
 Data File : VD060006.D
 Acq On : 14 Sep 2018 13:22
 Operator : JC/SY
 Sample : J4853-01RE
 Misc : 5.82g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-SOILRE

Quant Time: Sep 14 13:58:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1255408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	1773788	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1213493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	366940	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	476695	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
35) Dibromofluoromethane	6.29	113	606432	43.76	ug/l	0.00
Spiked Amount			Recovery	=	87.52%	
50) Toluene-d8	9.43	98	1529989	39.84	ug/l	0.00
Spiked Amount			Recovery	=	79.68%	
62) 4-Bromofluorobenzene	12.42	95	441497	30.09	ug/l	0.00
Spiked Amount			Recovery	=	60.18%	

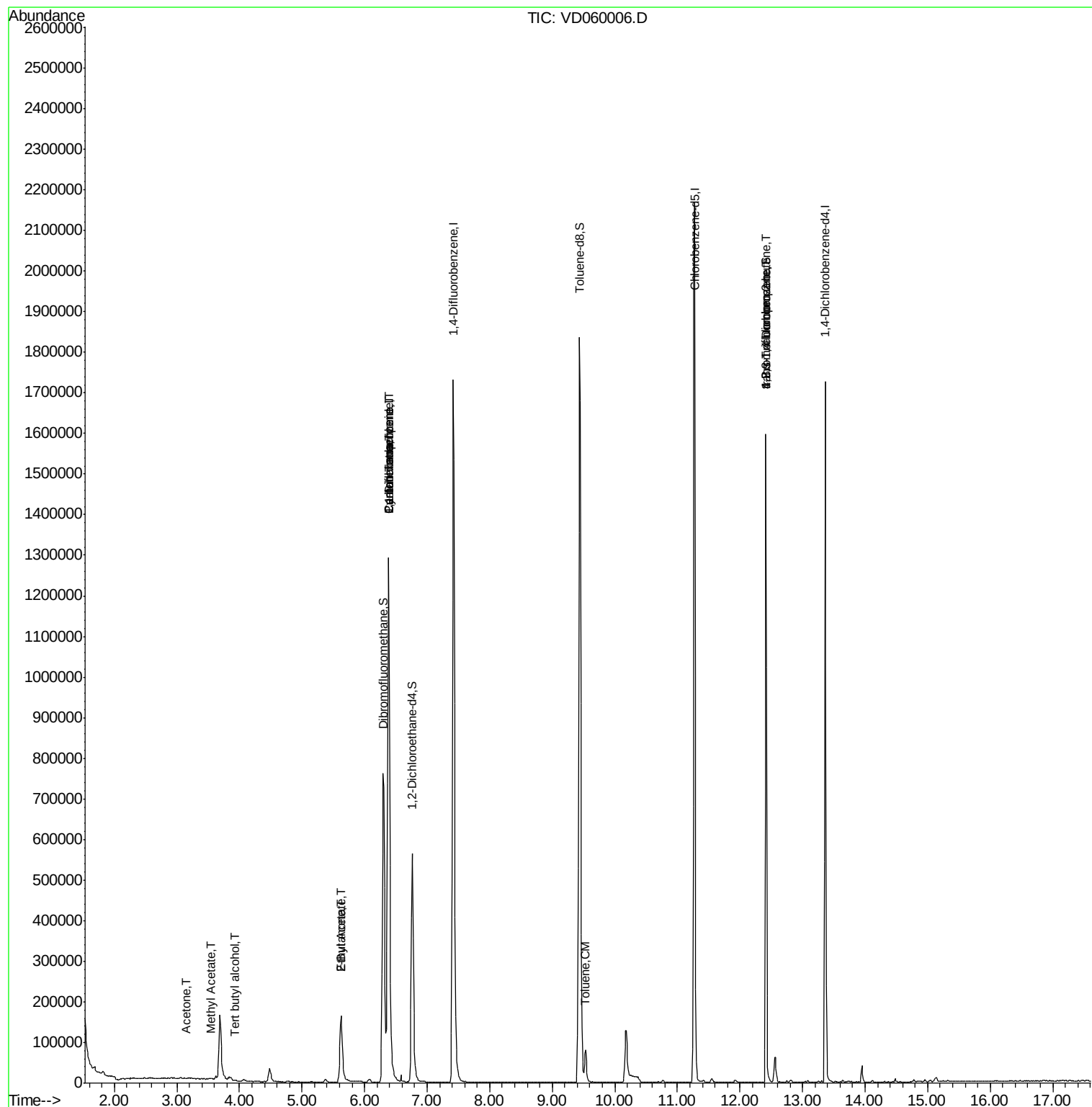
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.93	59	1878	2.38	ug/l #	74
16) Acetone	3.14	43	3252	1.72	ug/l #	53
18) Methyl Acetate	3.54	43	4411	1.15	ug/l #	64
20) Methylene Chloride	3.69	84	96576	Below Cal		98
25) 2-Butanone	5.62	43	12487	2.45	ug/l #	61
31) Cyclohexane	6.37	56	24082	1.11	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	92104	5.23	ug/l #	46
37) Ethyl Acetate	5.62	43	12487	1.03	ug/l #	14
38) Carbon Tetrachloride	6.38	117	98717	6.00	ug/l #	16
51) 4-Methyl-2-Pentanone	9.33	43	459	Below Cal	#	42
52) Toluene	9.53	92	37860	1.32	ug/l	95
59) 2-Hexanone	10.48	43	1347	Below Cal	#	30
76) 1,2,3-Trichloropropane	12.42	75	130446	23.28	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.42	75	178658	105.61	ug/l #	15
89) n-Butylbenzene	13.64	91	1249	Below Cal	#	83
91) 1,2-Dichlorobenzene	13.66	146	1110	Below Cal		88

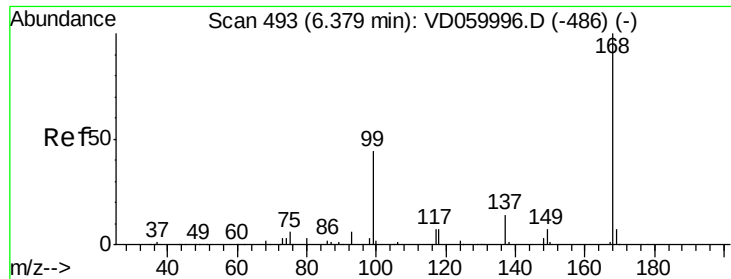
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091418\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060006.D

Acq: 14 Sep 2018 13:22

Instrument :

MSVOA_D

ClientSampleId :

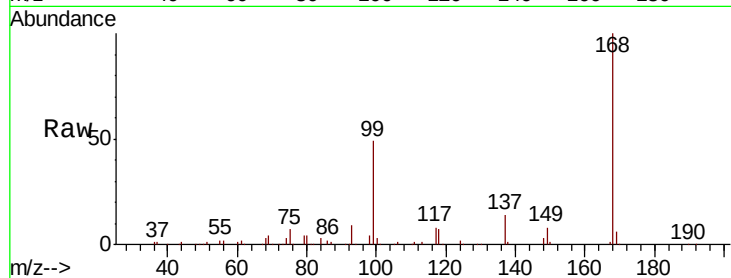
CS-SOILRE

Tot Ion:168 Resp: 1255408

Ion Ratio Lower Upper

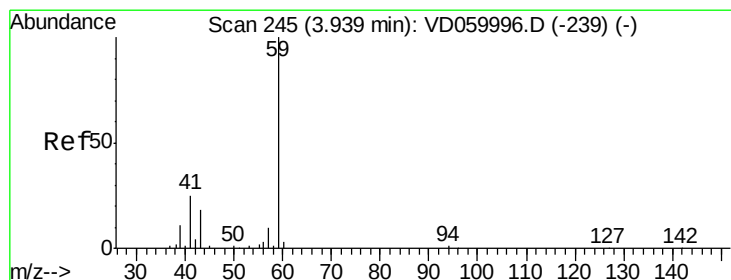
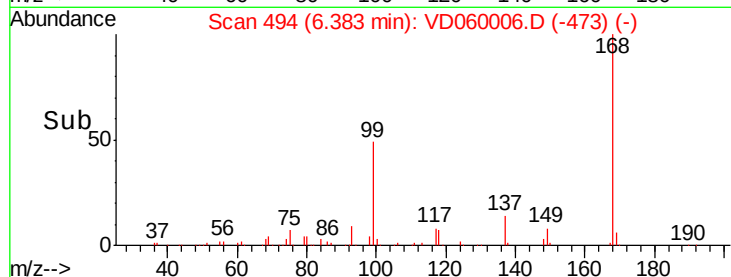
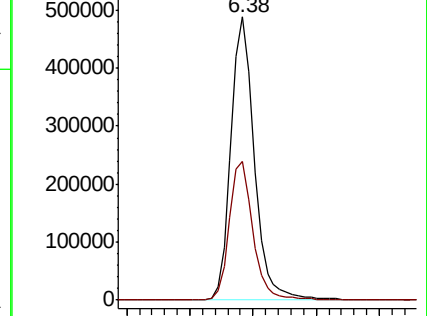
168 100

99 48.8 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.38 ug/l

RT: 3.93 min Scan# 245

Delta R.T. -0.01 min

Lab File: VD060006.D

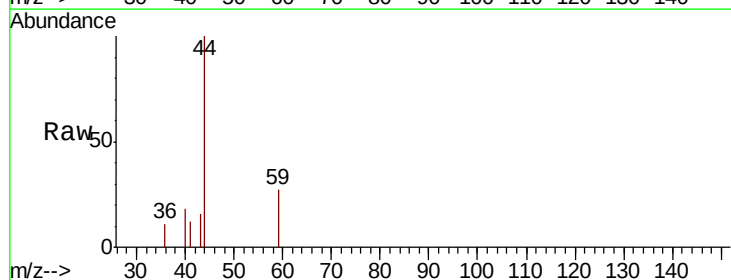
Acq: 14 Sep 2018 13:22

Tgt Ion: 59 Resp: 1878

Ion Ratio Lower Upper

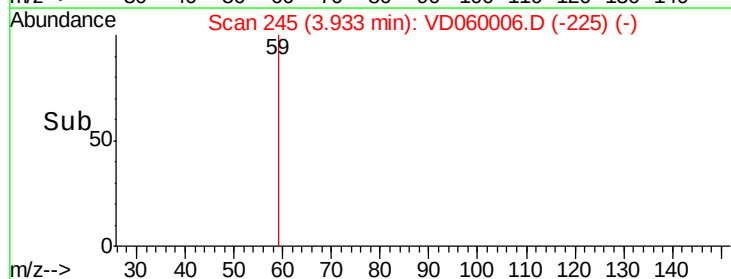
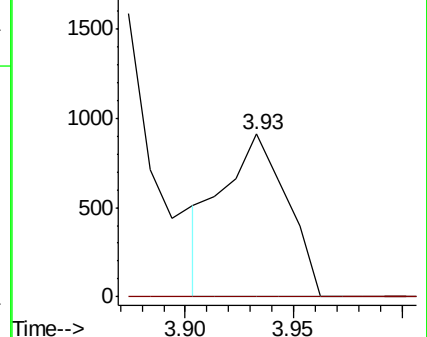
59 100

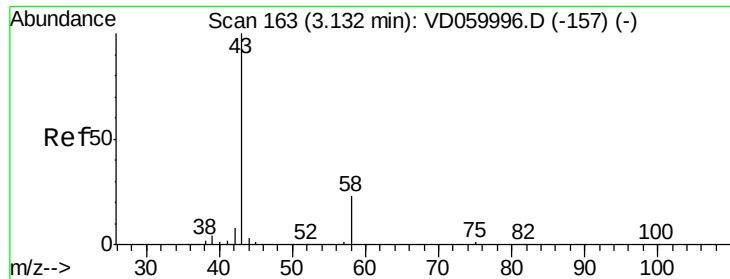
57 0.0 7.4 11.2#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 1.72 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD060006.D

Acq: 14 Sep 2018 13:22

Instrument :

MSVOA_D

ClientSampleId :

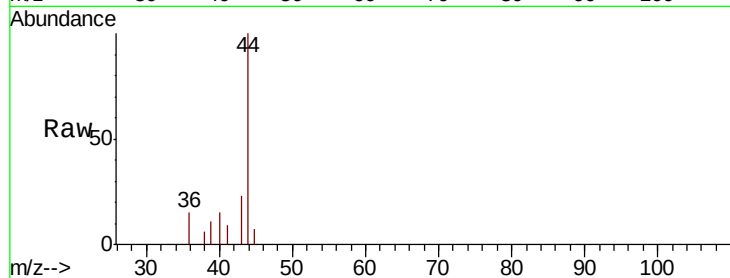
CS-SOILRE

Tot Ion: 43 Resp: 3252

Ion Ratio Lower Upper

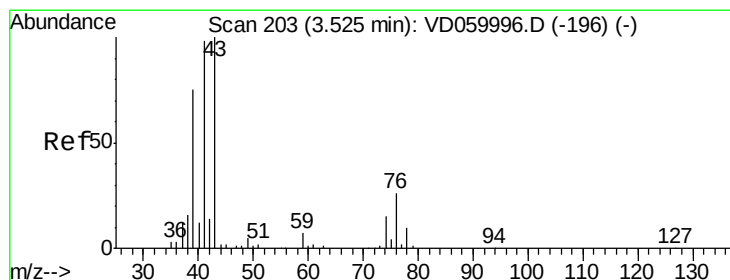
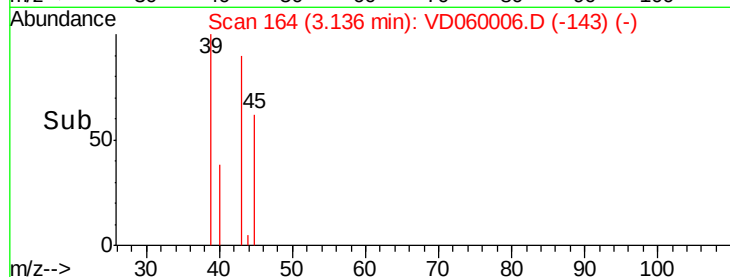
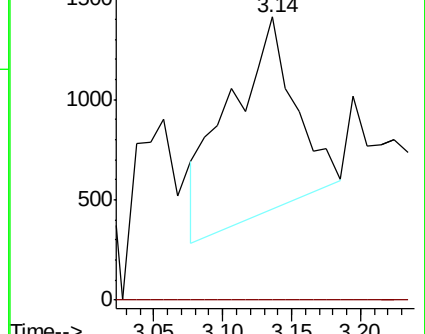
43 100

58 0.0 18.1 27.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.15 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.01 min

Lab File: VD060006.D

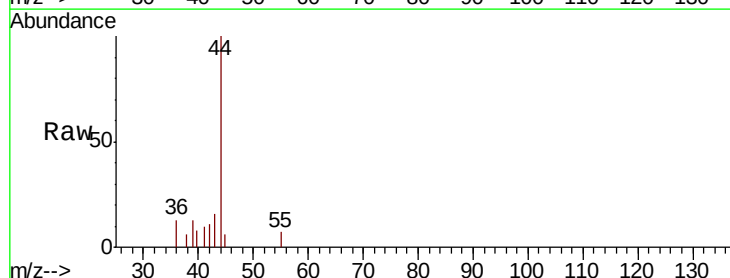
Acq: 14 Sep 2018 13:22

Tgt Ion: 43 Resp: 4411

Ion Ratio Lower Upper

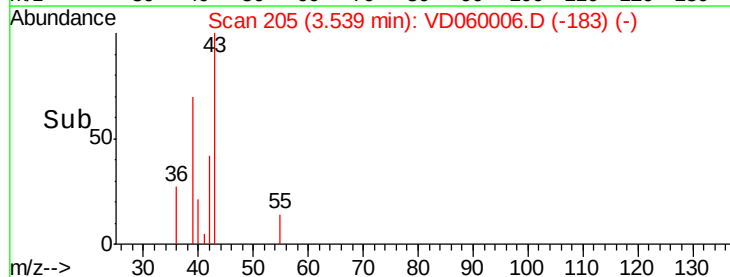
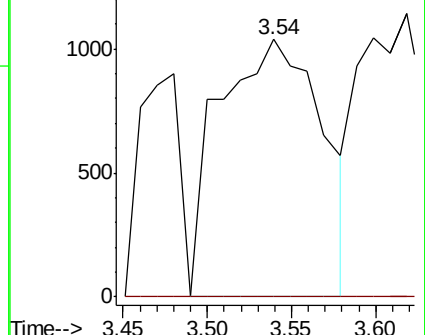
43 100

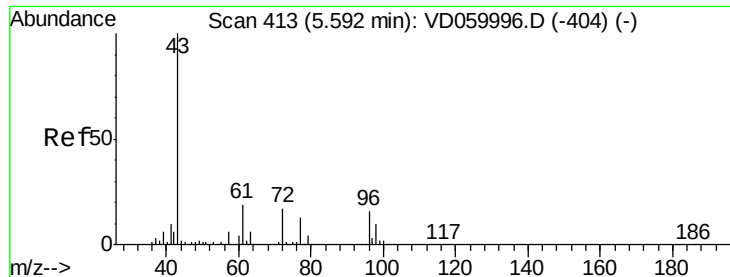
74 0.0 11.8 17.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#25

2-Butanone

Concen: 2.45 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060006.D

Acq: 14 Sep 2018 13:22

Instrument :

MSVOA_D

ClientSampleId :

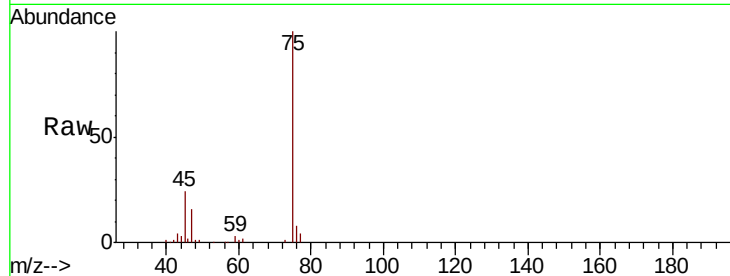
CS-SOILRE

Tot Ion: 43 Resp: 12487

Ion Ratio Lower Upper

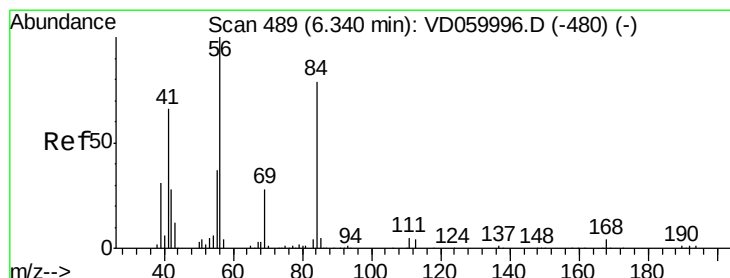
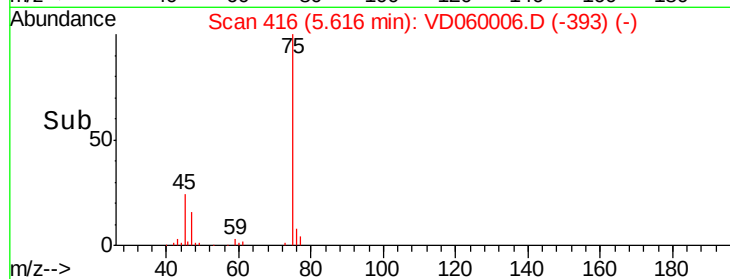
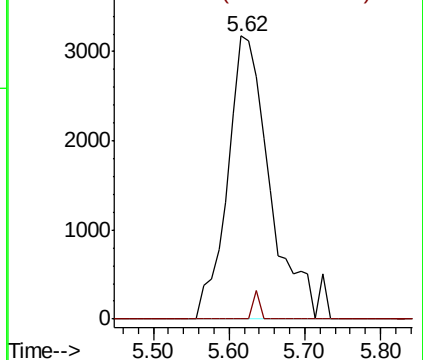
43 100

72 0.0 13.6 20.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.11 ug/l

RT: 6.37 min Scan# 493

Delta R.T. 0.03 min

Lab File: VD060006.D

Acq: 14 Sep 2018 13:22

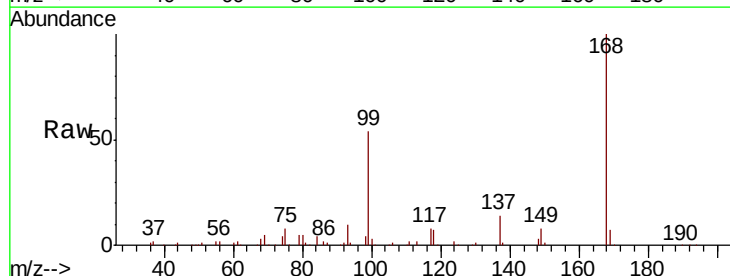
Tgt Ion: 56 Resp: 24082

Ion Ratio Lower Upper

56 100

69 201.4 22.7 34.1#

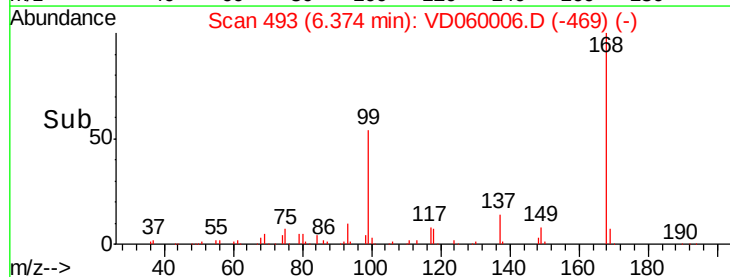
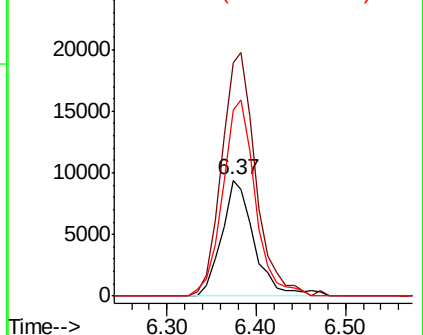
84 159.7 64.0 96.0#

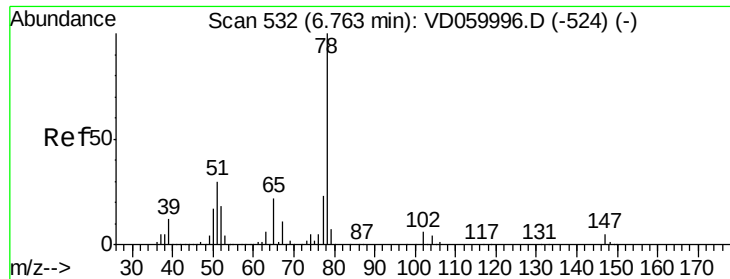


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

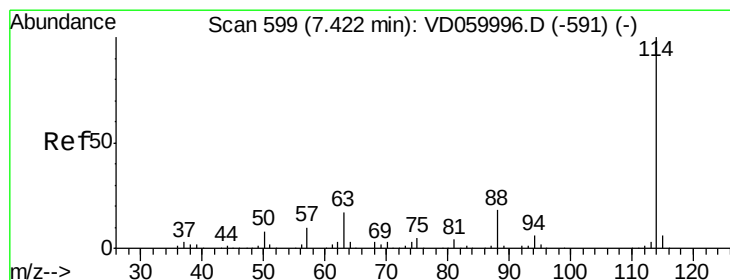
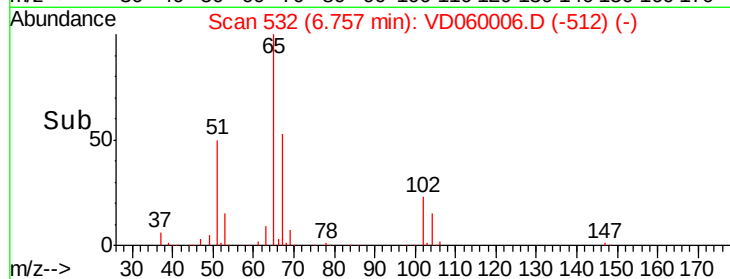
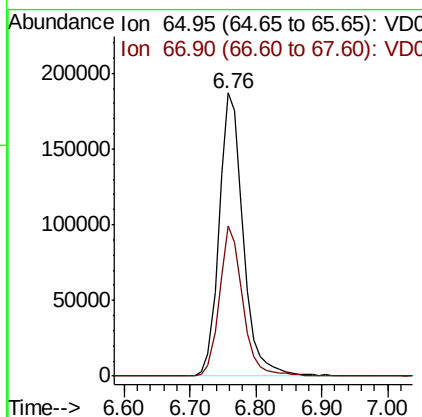
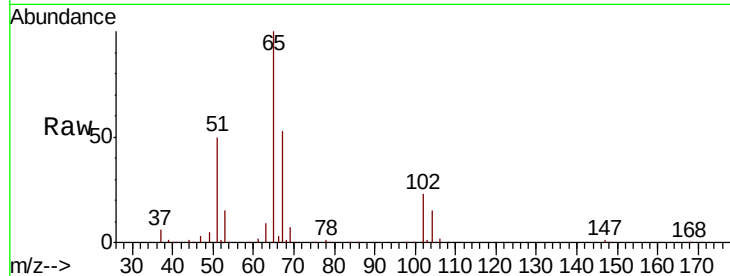




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VD060006.D
 Acq: 14 Sep 2018 13:22

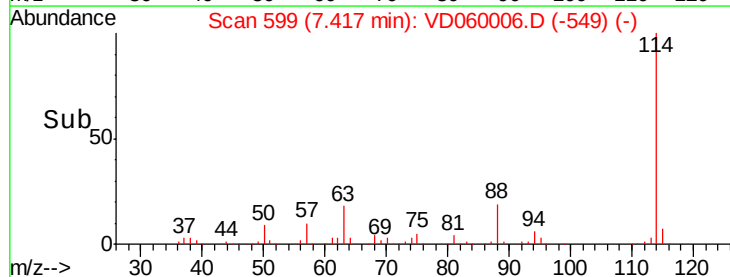
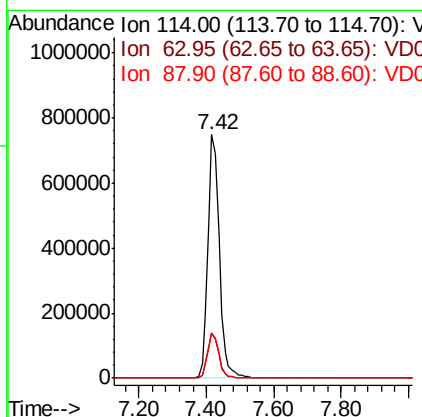
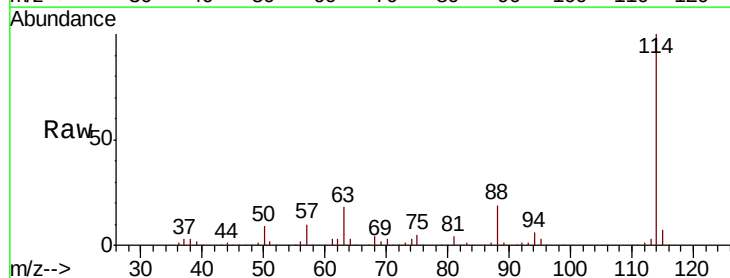
Instrument :
 MSVOA_D
 ClientSampleId :
 CS-SOILRE

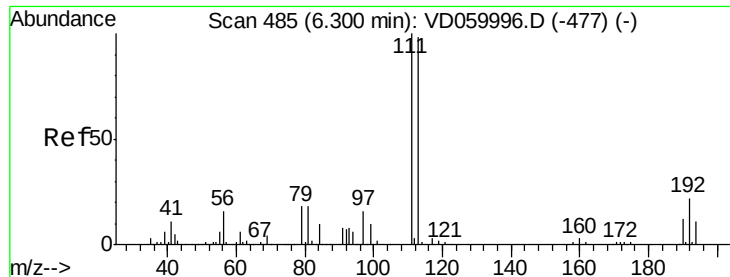
Tot Ion: 65 Resp: 476695
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: VD060006.D
 Acq: 14 Sep 2018 13:22

Tgt Ion: 114 Resp: 1773788
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 34.4
 88 18.6 0.0 35.8





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.29 min Scan# 485

Delta R.T. -0.01 min

Lab File: VD060006.D

Acq: 14 Sep 2018 13:22

Instrument :

MSVOA_D

ClientSampleId :

CS-SOILRE

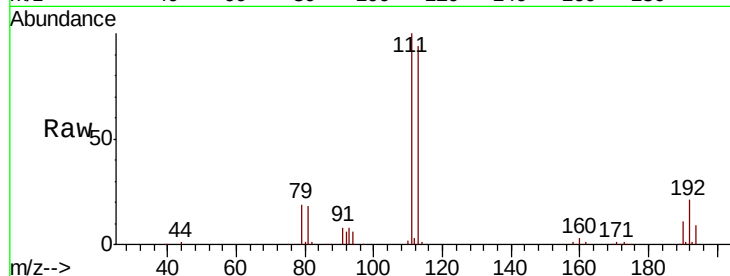
Tot Ion:113 Resp: 606432

Ion Ratio Lower Upper

113 100

111 106.0 81.3 121.9

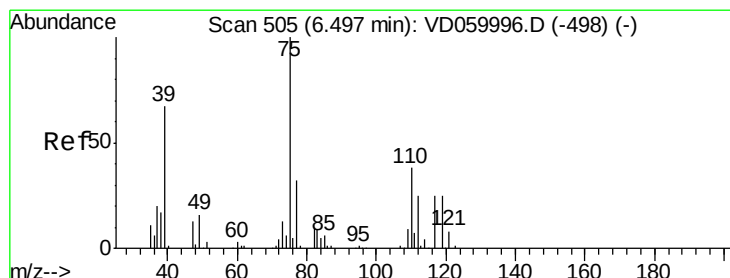
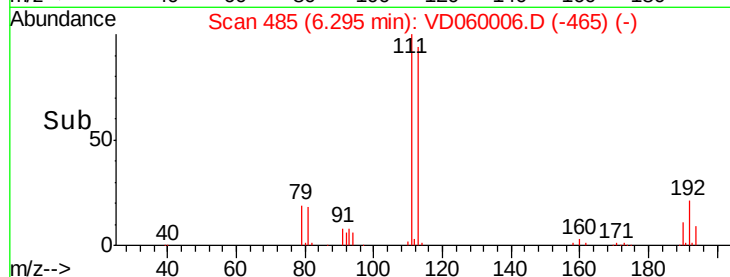
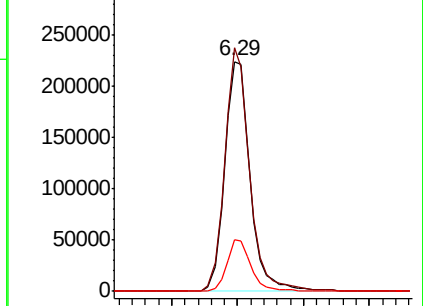
192 22.3 18.1 27.1



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: 5.23 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.11 min

Lab File: VD060006.D

Acq: 14 Sep 2018 13:22

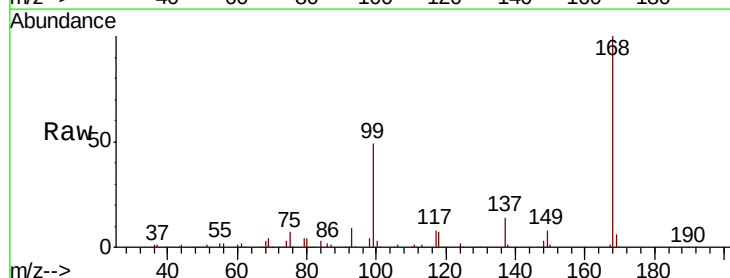
Tgt Ion: 75 Resp: 92104

Ion Ratio Lower Upper

75 100

110 7.1 18.9 56.9#

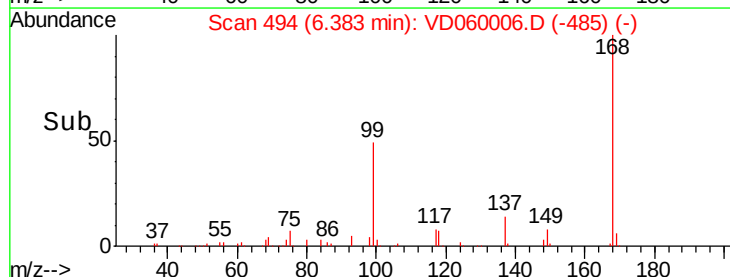
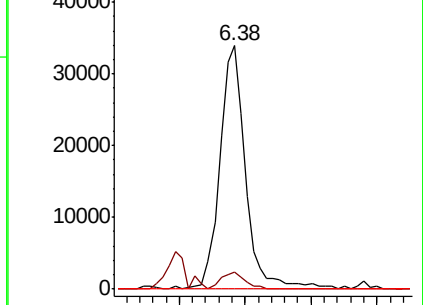
77 0.0 25.3 37.9#

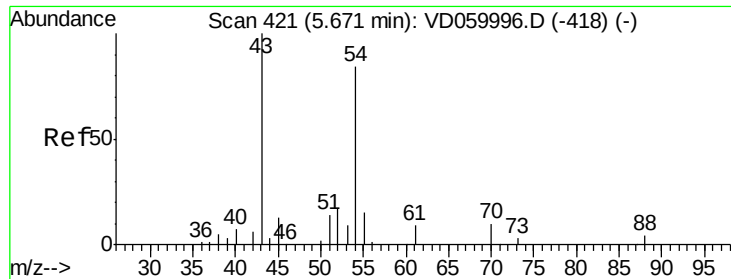


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

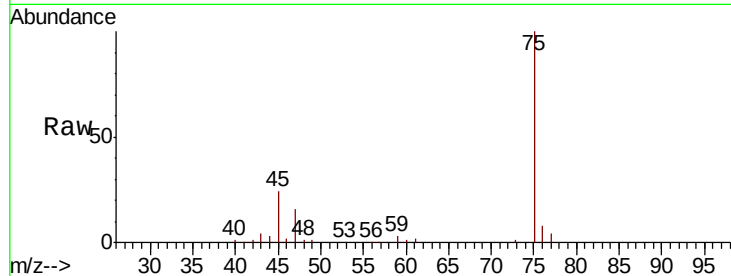




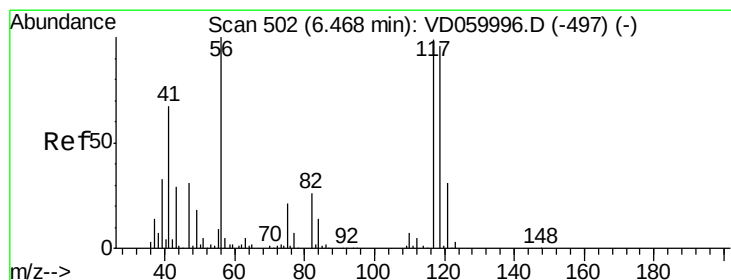
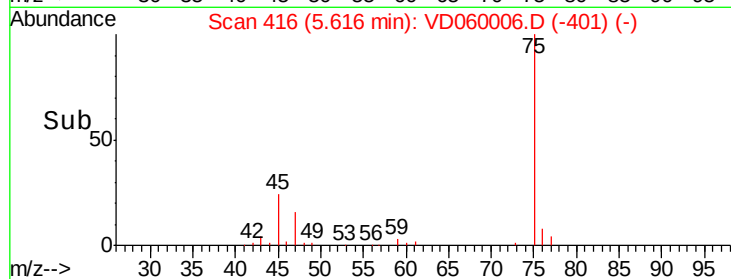
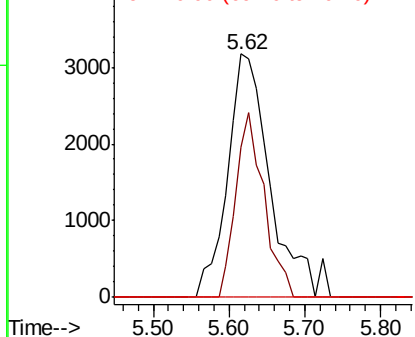
#37
Ethyl Acetate
Concen: 1.03 ug/l
RT: 5.62 min Scan# 416
Delta R.T. -0.05 min
Lab File: VD060006.D
Acq: 14 Sep 2018 13:22

Instrument :
MSVOA_D
ClientSampleId :
CS-SOILRE

Tot Ion: 43 Resp: 12487
Ion Ratio Lower Upper
43 100
61 61.6 10.2 15.2#
70 0.0 6.1 9.1#

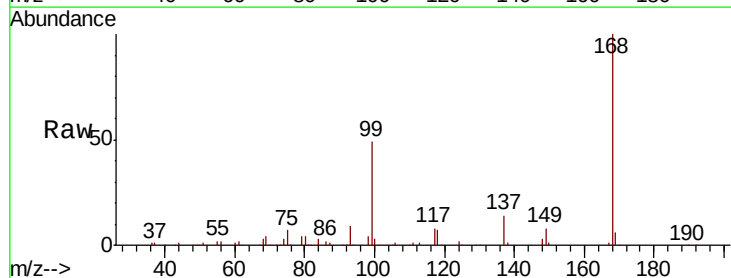


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

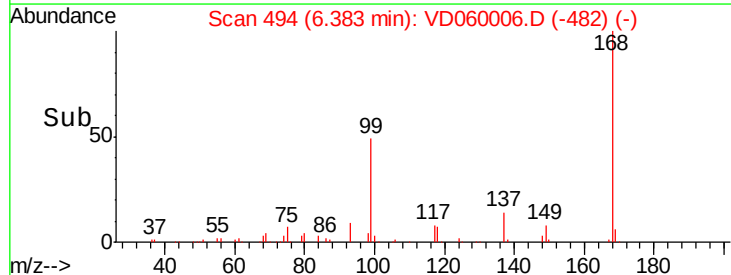
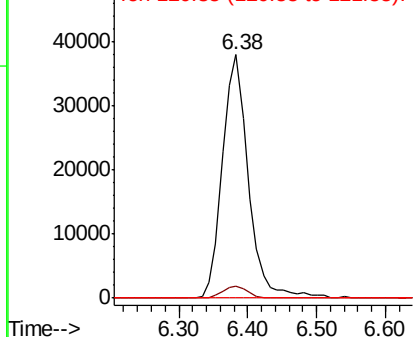


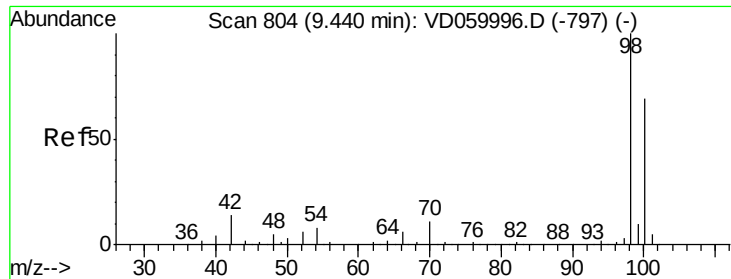
#38
Carbon Tetrachloride
Concen: 6.00 ug/l
RT: 6.38 min Scan# 494
Delta R.T. -0.08 min
Lab File: VD060006.D
Acq: 14 Sep 2018 13:22

Tgt Ion: 117 Resp: 98717
Ion Ratio Lower Upper
117 100
119 4.9 76.7 115.1#
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

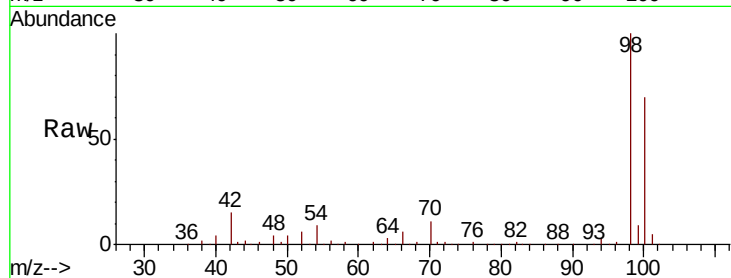




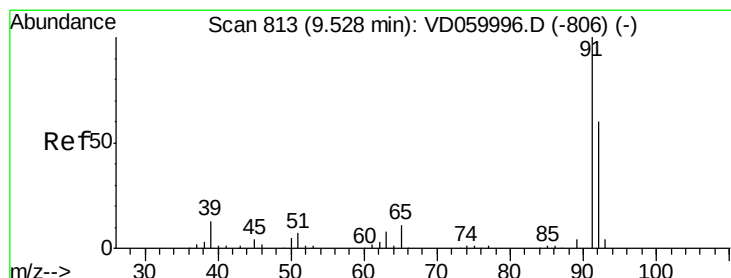
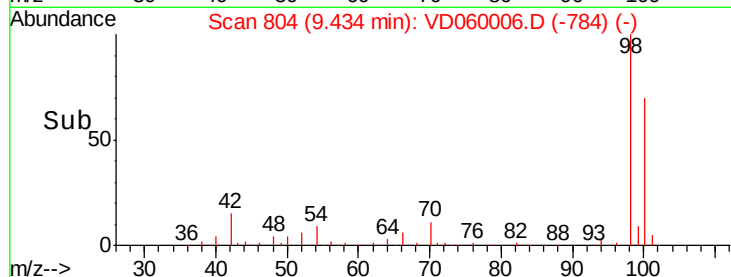
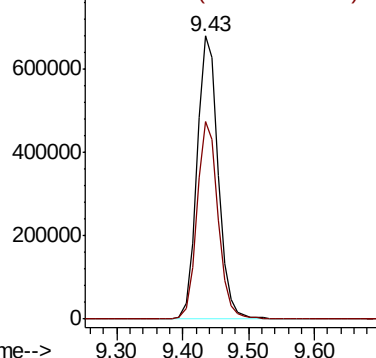
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.01 min
Lab File: VD060006.D
Acq: 14 Sep 2018 13:22

Instrument :
MSVOA_D
ClientSampleId :
CS-SOILRE

Tot Ion: 98 Resp: 1529989
Ion Ratio Lower Upper
98 100
100 69.6 55.8 83.6

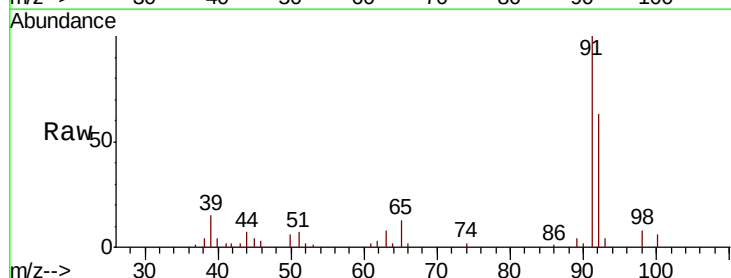


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

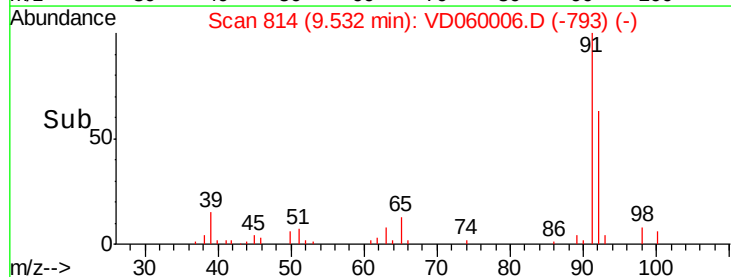
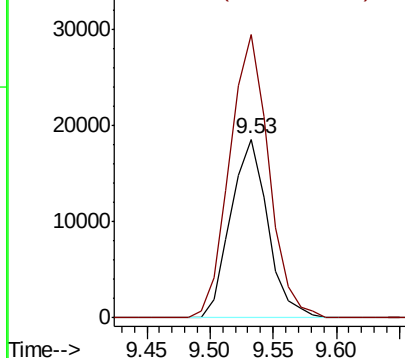


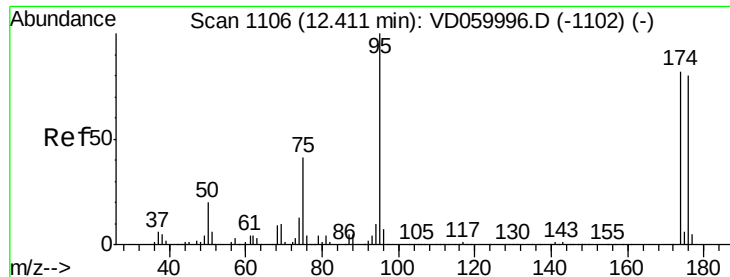
#52
Toluene
Concen: 1.32 ug/l
RT: 9.53 min Scan# 814
Delta R.T. 0.00 min
Lab File: VD060006.D
Acq: 14 Sep 2018 13:22

Tgt Ion: 92 Resp: 37860
Ion Ratio Lower Upper
92 100
91 158.5 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060006.D

Acq: 14 Sep 2018 13:22

Instrument :

MSVOA_D

ClientSampleId :

CS-SOILRE

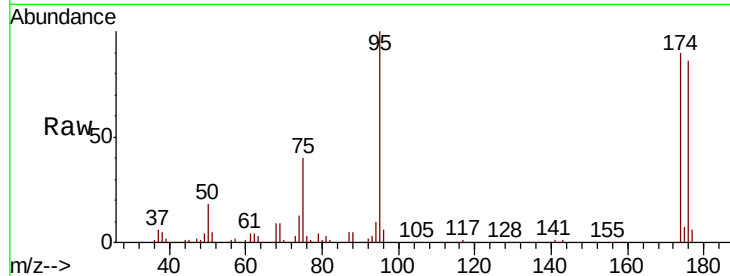
Tot Ion: 95 Resp: 441497

Ion Ratio Lower Upper

95 100

174 90.3 0.0 165.0

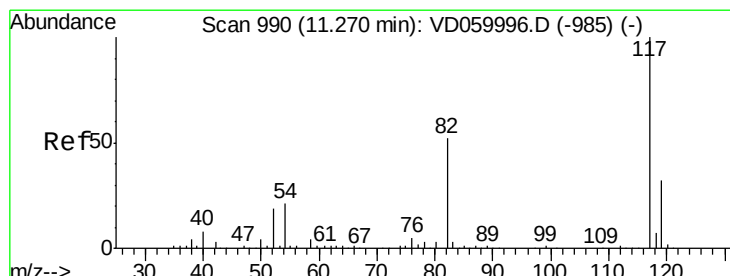
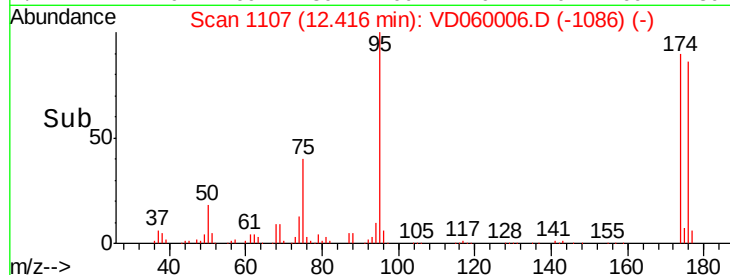
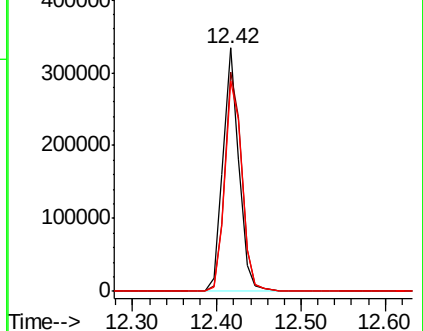
176 86.5 0.0 160.2



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: 50.00 ug/l

RT: 11.27 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD060006.D

Acq: 14 Sep 2018 13:22

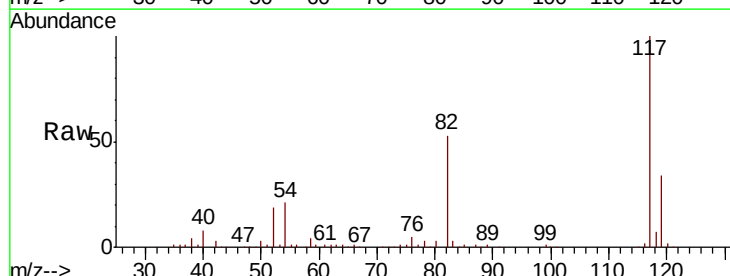
Tgt Ion: 117 Resp: 1213493

Ion Ratio Lower Upper

117 100

82 52.7 41.7 62.5

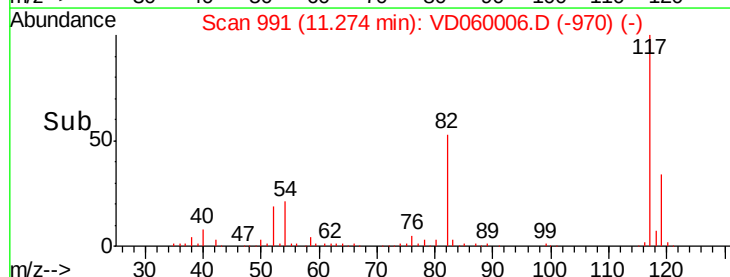
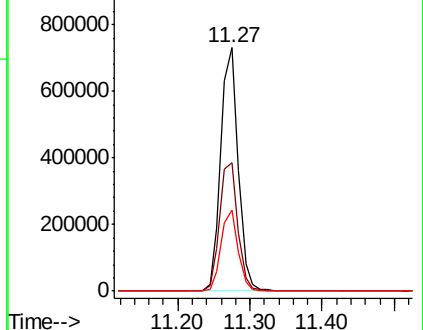
119 33.5 26.0 39.0

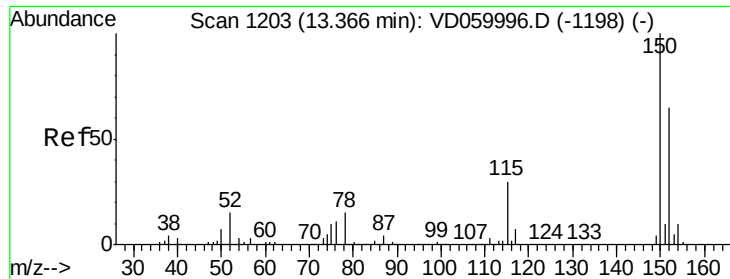


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD060006.D

Acq: 14 Sep 2018 13:22

Instrument :

MSVOA_D

ClientSampleId :

CS-SOILRE

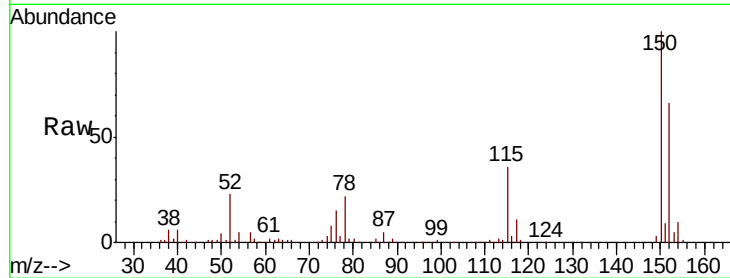
Tot Ion:152 Resp: 366940

Ion Ratio Lower Upper

152 100

115 54.5 24.6 73.8

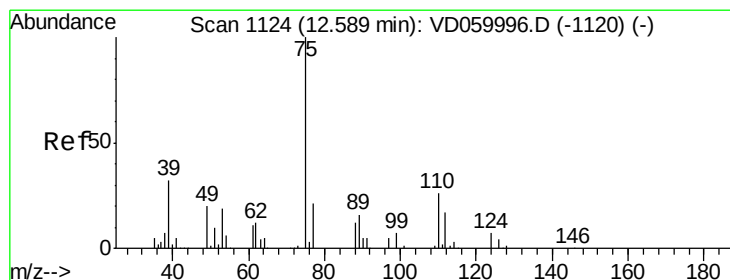
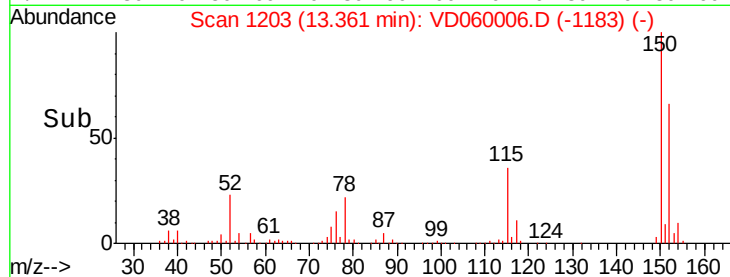
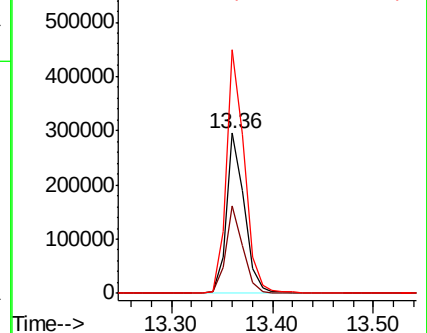
150 152.2 0.0 313.4



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: 23.28 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.17 min

Lab File: VD060006.D

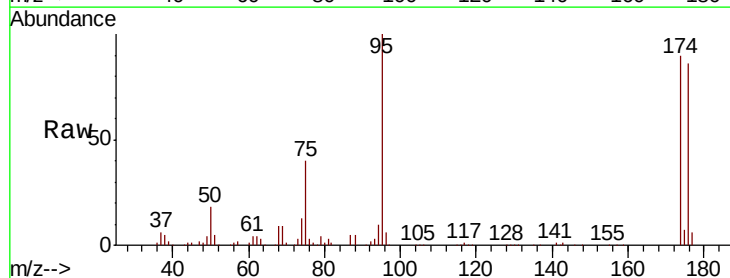
Acq: 14 Sep 2018 13:22

Tgt Ion: 75 Resp: 130446

Ion Ratio Lower Upper

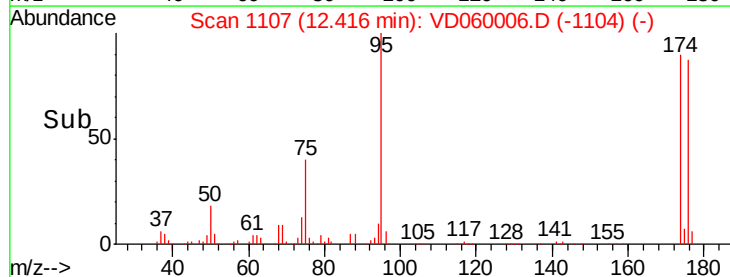
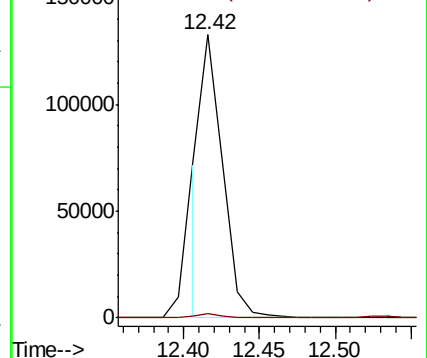
75 100

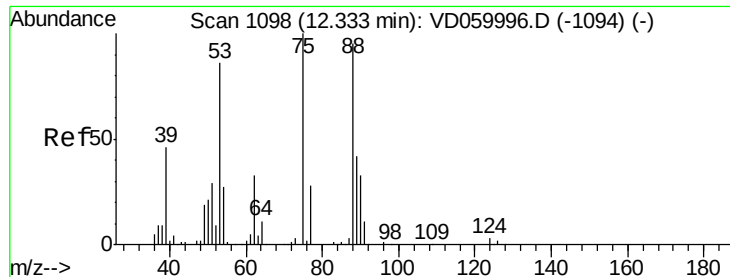
77 1.3 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 105.61 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.08 min

Lab File: VD060006.D

Acq: 14 Sep 2018 13:22

Instrument :

MSVOA_D

ClientSampleId :

CS-SOILRE

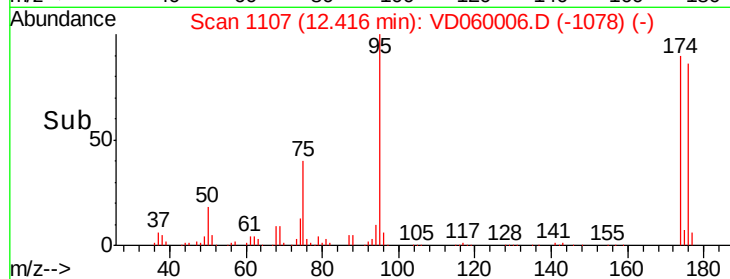
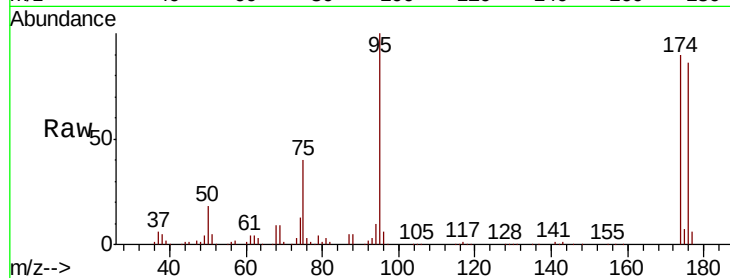
Tot Ion: 75 Resp: 178658

Ion Ratio Lower Upper

75 100

53 0.0 68.4 102.6#

89 0.0 33.8 50.6#



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

