

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092618\
 Data File : VW005666.D
 Acq On : 26 Sep 2018 21:08
 Operator : VA/AP
 Sample : J5074-01
 Misc : 6.09G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CA-SOIL-1

Quant Time: Sep 27 06:56:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	243246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	398250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	135672	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	179596	62.67	ug/l	0.00
Spiked Amount			Recovery	=	125.34%	
35) Dibromofluoromethane	7.88	113	146228	58.39	ug/l	0.00
Spiked Amount			Recovery	=	116.78%	
50) Toluene-d8	10.33	98	512622	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.62	95	161631	42.84	ug/l	0.00
Spiked Amount			Recovery	=	85.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	143	Below Cal	#	41
11) Tert butyl alcohol	5.16	59	117	Below Cal	#	72
13) Acrolein	3.63	56	33	Below Cal		92
16) Acetone	4.12	43	19424	35.001	ug/l	93
20) Methylene Chloride	4.92	84	22021	5.342	ug/l	92
25) 2-Butanone	7.16	43	1454	2.089	ug/l	91
31) Cyclohexane	7.95	56	5406	1.217	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	19394	4.838	ug/l #	50
38) Carbon Tetrachloride	7.95	117	23828	5.547	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	2487	1.489	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	82275	71.141	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	82275	160.230	ug/l #	7

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

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ALS Vial : 13 Sample Multiplier: 1



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005666.D

Acq: 26 Sep 2018 21:08

Instrument :

MSVOA_W

ClientSampleId :

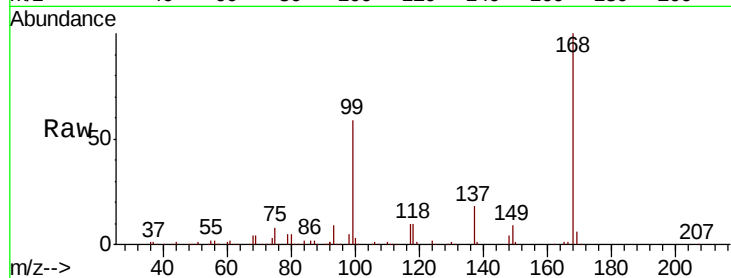
CA-SOIL-1

Tgt Ion:168 Resp: 243246

Ion Ratio Lower Upper

168 100

99 58.7 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

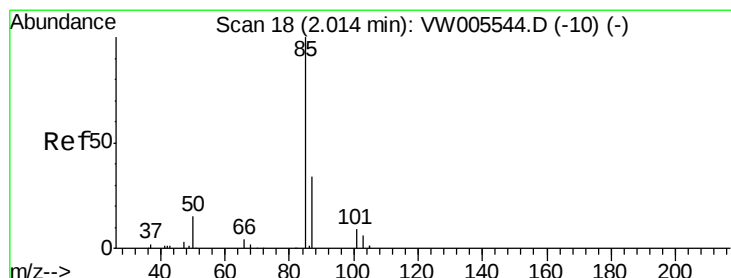
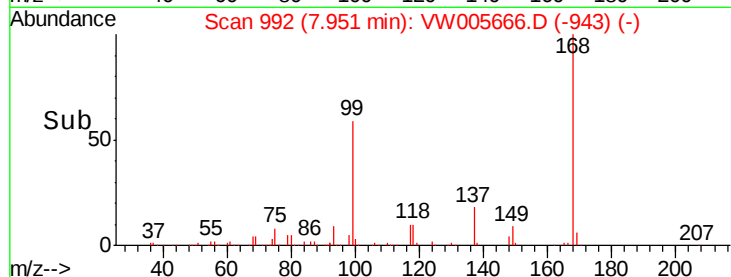
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005666.D

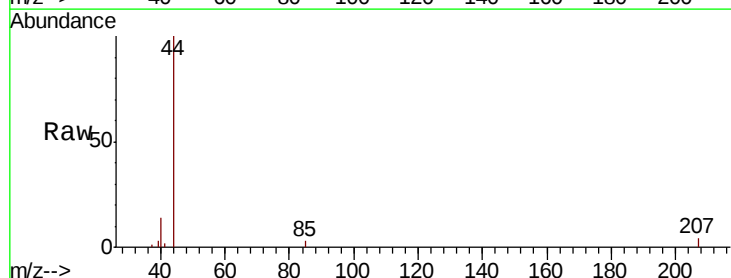
Acq: 26 Sep 2018 21:08

Tgt Ion: 85 Resp: 143

Ion Ratio Lower Upper

85 100

87 0.0 17.0 50.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

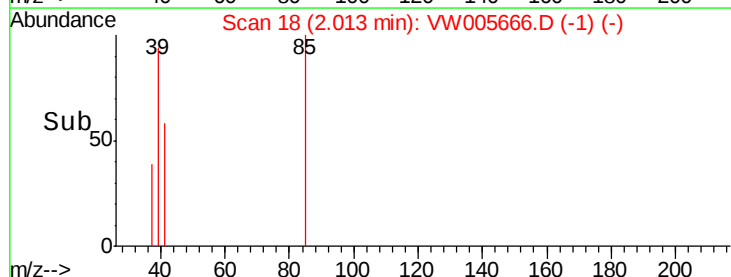
150

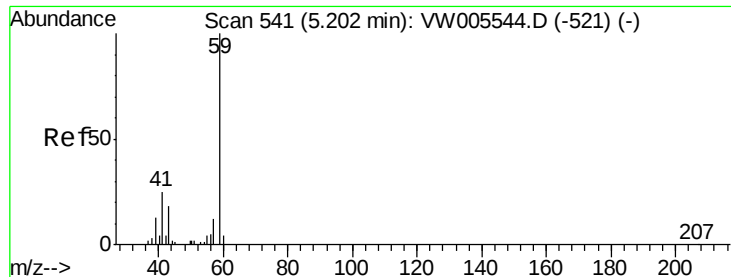
100

50

0

Time-->





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. -0.04 min

Lab File: VW005666.D

Acq: 26 Sep 2018 21:08

Instrument :

MSVOA_W

ClientSampled :

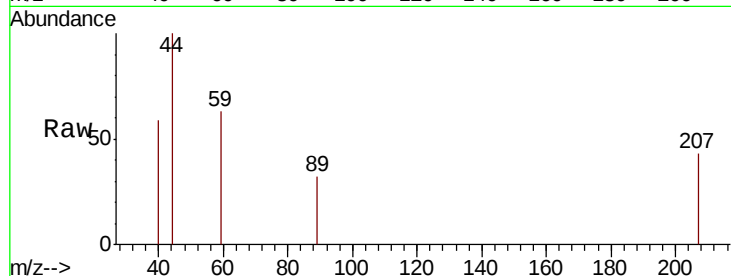
CA-SOIL-1

Tgt Ion: 59 Resp: 117

Ion Ratio Lower Upper

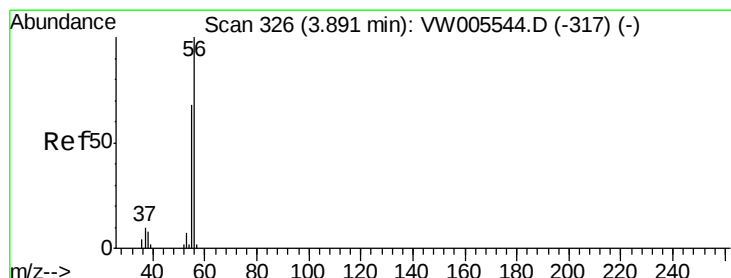
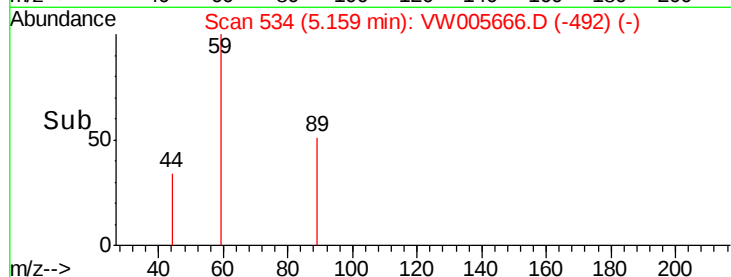
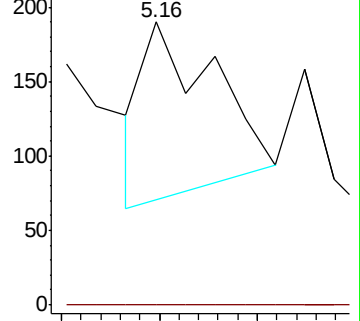
59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#13

Acrolein

Concen: Below Cal

RT: 3.63 min Scan# 283

Delta R.T. -0.26 min

Lab File: VW005666.D

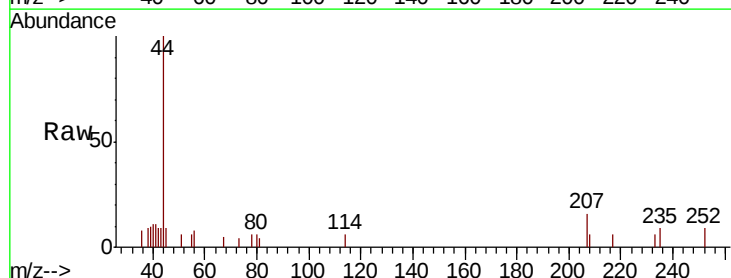
Acq: 26 Sep 2018 21:08

Tgt Ion: 56 Resp: 33

Ion Ratio Lower Upper

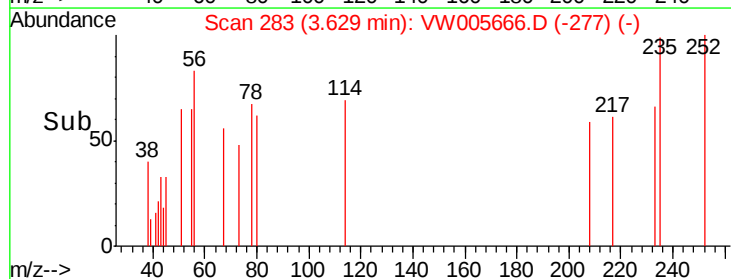
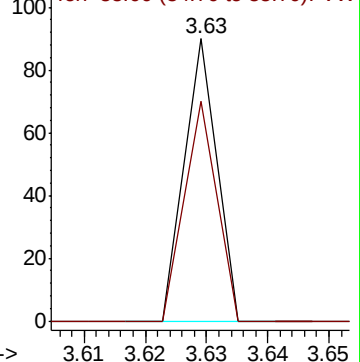
56 100

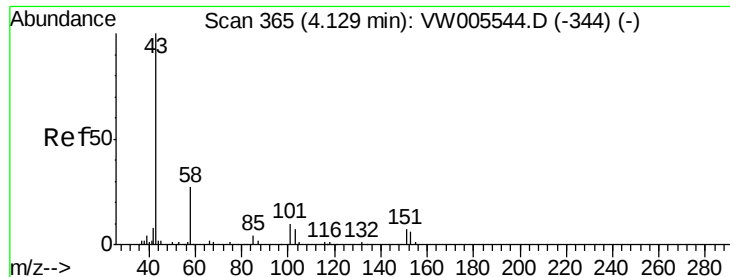
55 78.8 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 35.001 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005666.D

Acq: 26 Sep 2018 21:08

Instrument :

MSVOA_W

ClientSampleId :

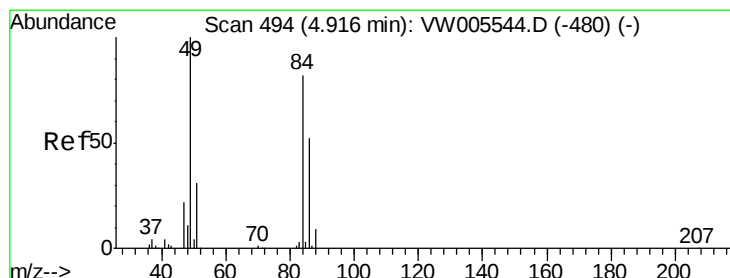
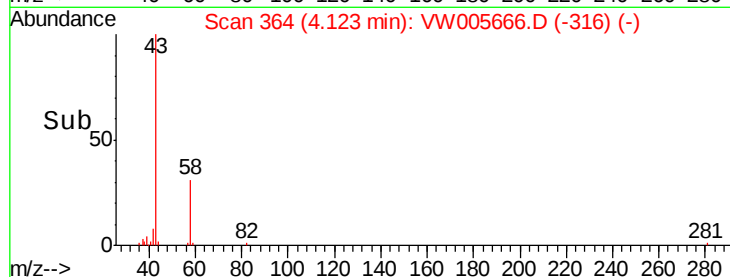
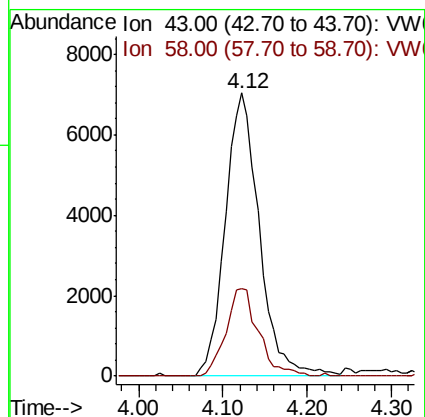
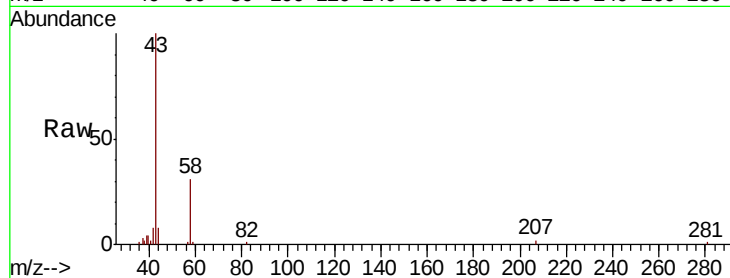
CA-SOIL-1

Tgt Ion: 43 Resp: 19424

Ion Ratio Lower Upper

43 100

58 30.9 21.8 32.8



#20

Methylene Chloride

Concen: 5.342 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW005666.D

Acq: 26 Sep 2018 21:08

Tgt Ion: 84 Resp: 22021

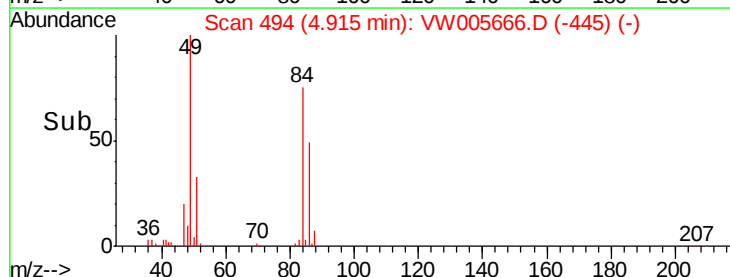
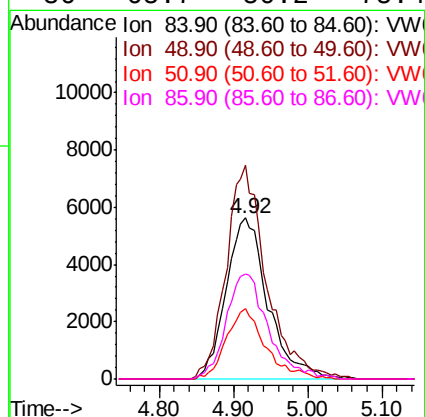
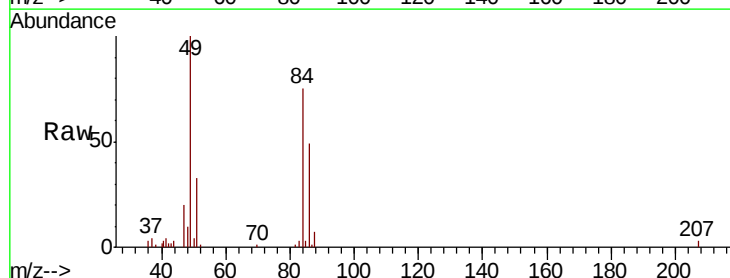
Ion Ratio Lower Upper

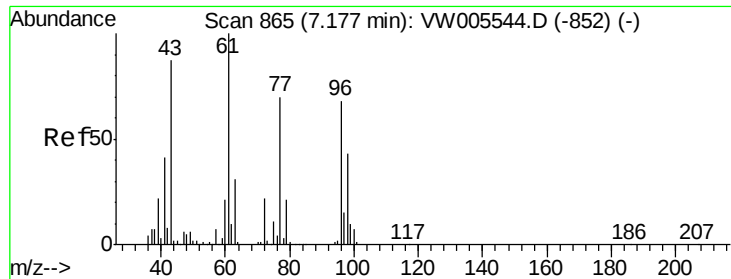
84 100

49 132.9 97.0 145.6

51 43.7 30.2 45.2

86 65.7 50.2 75.4





#25

2-Butanone

Concen: 2.089 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.02 min

Lab File: VW005666.D

Acq: 26 Sep 2018 21:08

Instrument :

MSVOA_W

ClientSampleId :

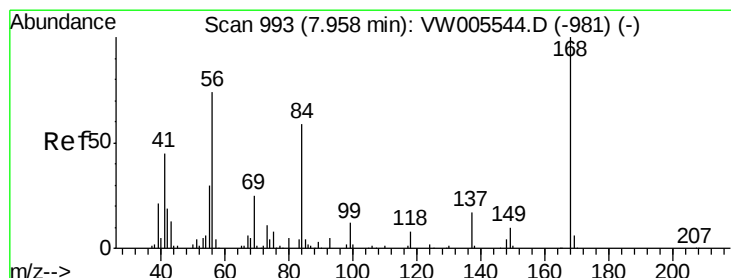
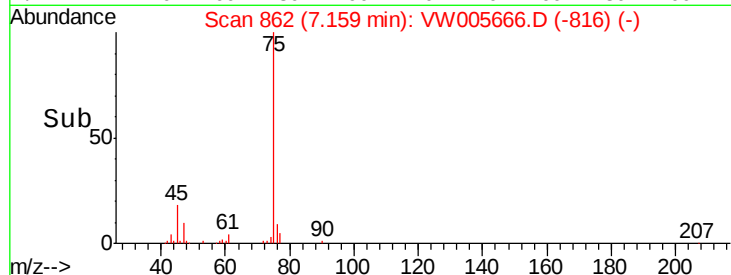
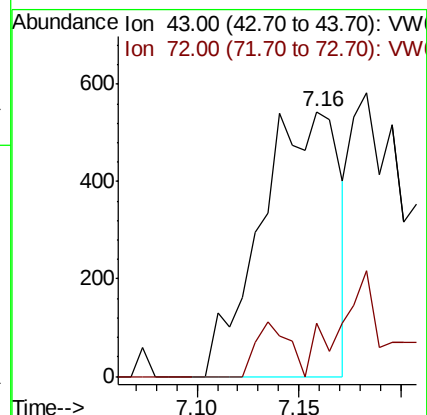
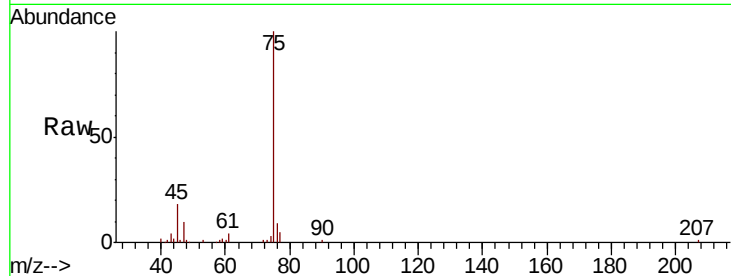
CA-SOIL-1

Tgt Ion: 43 Resp: 1454

Ion Ratio Lower Upper

43 100

72 20.2 19.9 29.9



#31

Cyclohexane

Concen: 1.217 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005666.D

Acq: 26 Sep 2018 21:08

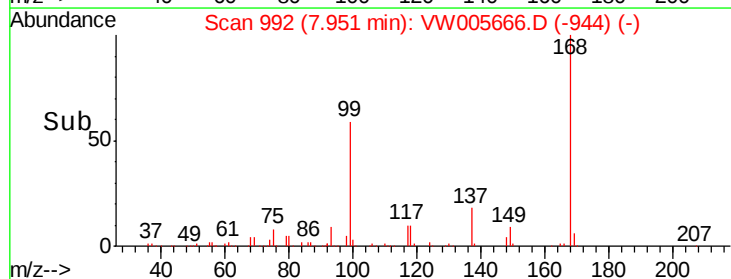
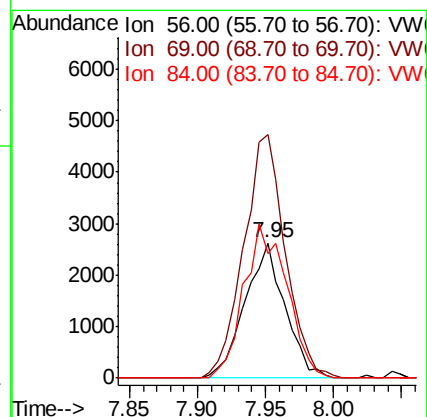
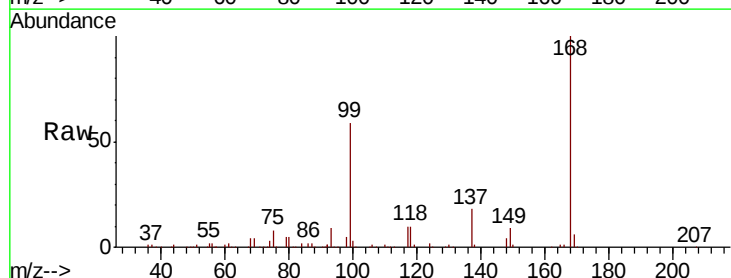
Tgt Ion: 56 Resp: 5406

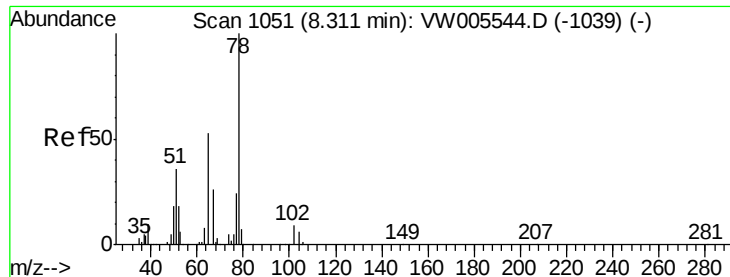
Ion Ratio Lower Upper

56 100

69 180.0 27.0 40.4#

84 92.2 64.2 96.4

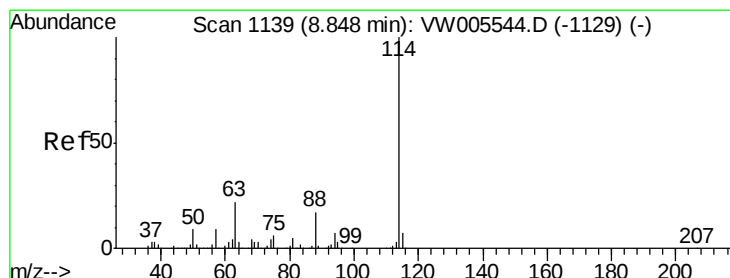
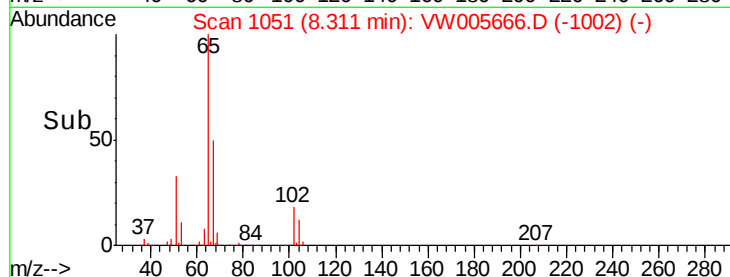
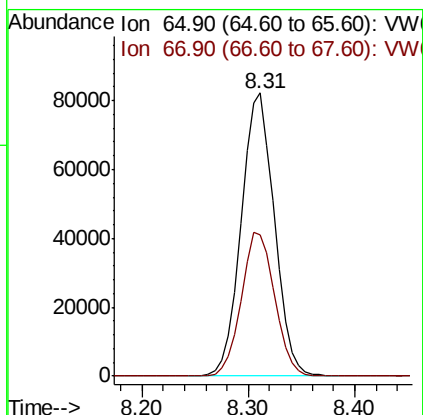
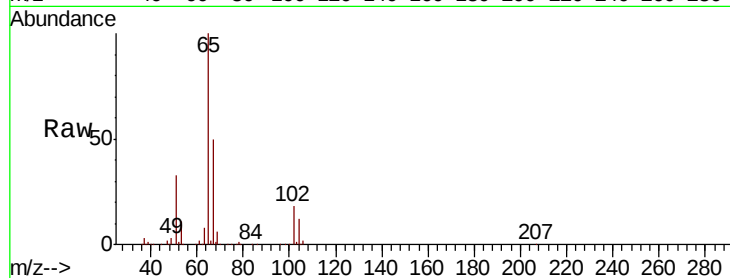




#33
 1,2-Dichloroethane-d4
 Concen: 62.673 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005666.D
 Acq: 26 Sep 2018 21:08

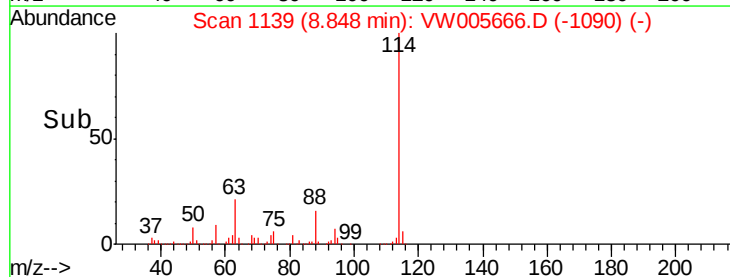
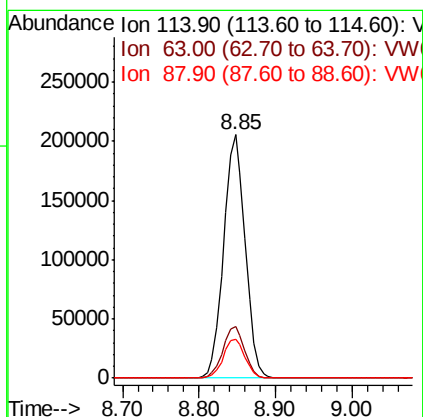
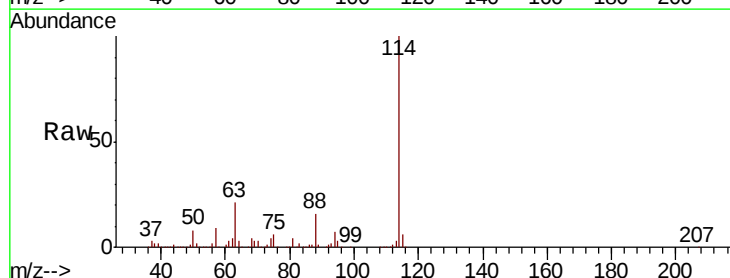
Instrument :
 MSVOA_W
 ClientSampleId :
 CA-SOIL-1

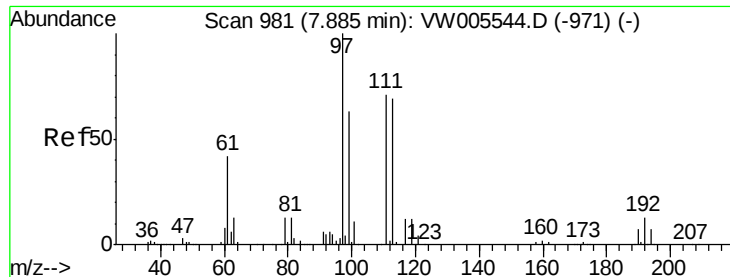
Tgt Ion: 65 Resp: 179596
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005666.D
 Acq: 26 Sep 2018 21:08

Tgt Ion: 114 Resp: 398250
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.0
 88 15.7 0.0 33.0

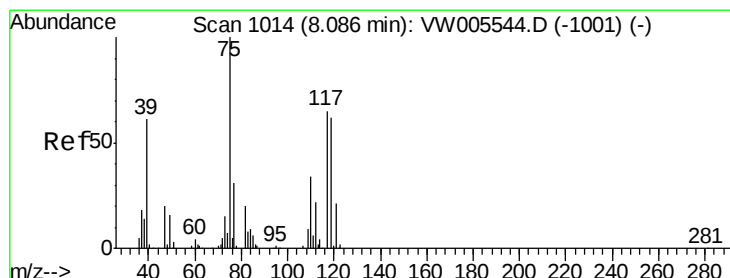
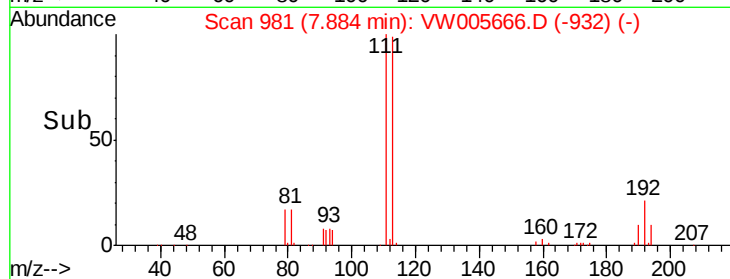
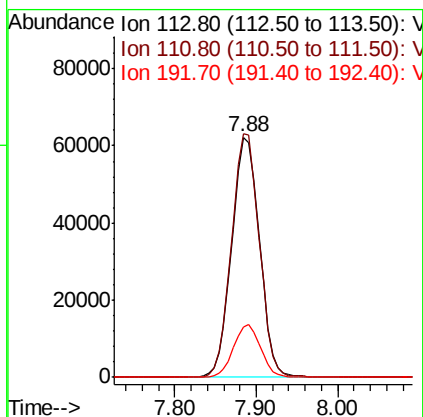
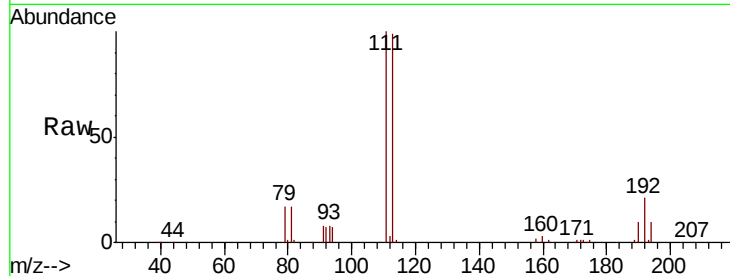




#35
 Dibromofluoromethane
 Concen: 58.388 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW005666.D
 Acq: 26 Sep 2018 21:08

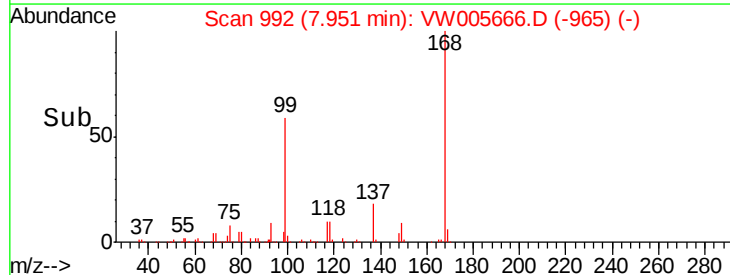
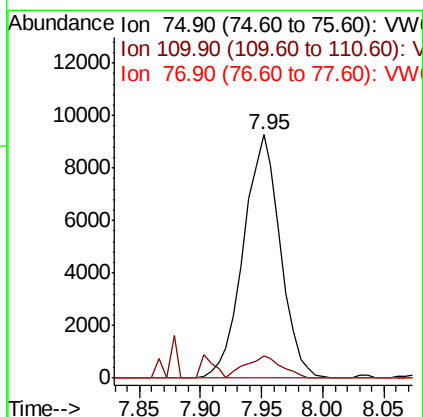
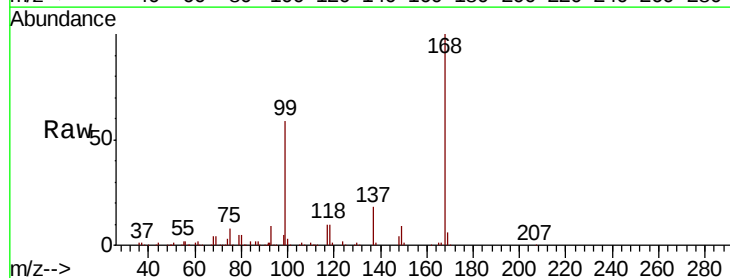
Instrument :
 MSVOA_W
 ClientSampleId :
 CA-SOIL-1

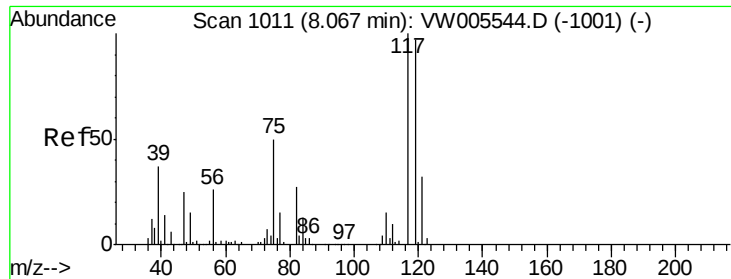
Tgt Ion: 113 Resp: 146228
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.6 123.8
 192 21.4 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 4.838 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005666.D
 Acq: 26 Sep 2018 21:08

Tgt Ion: 75 Resp: 19394
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.0 50.9#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.547 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005666.D

Acq: 26 Sep 2018 21:08

Instrument :

MSVOA_W

ClientSampleId :

CA-SOIL-1

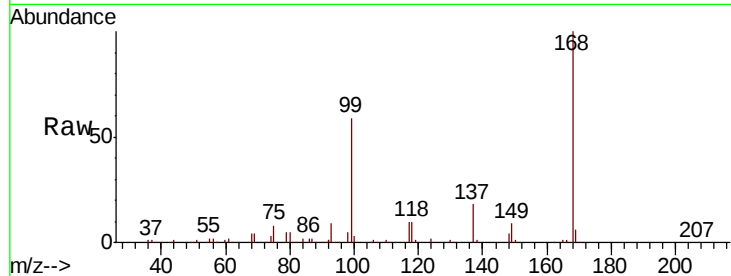
Tgt Ion:117 Resp: 23828

Ion Ratio Lower Upper

117 100

119 6.4 77.6 116.4#

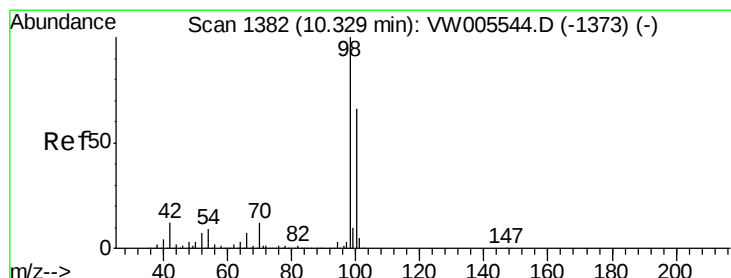
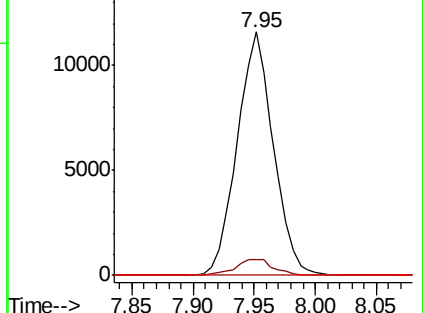
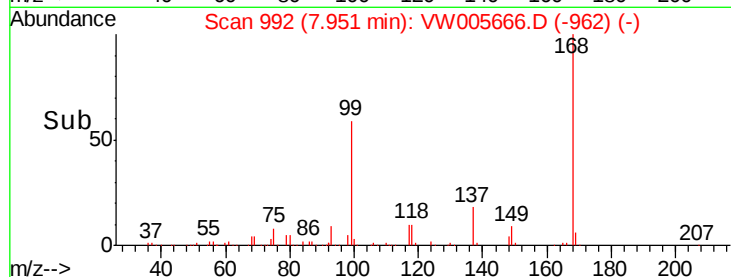
121 0.0 25.7 38.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.269 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005666.D

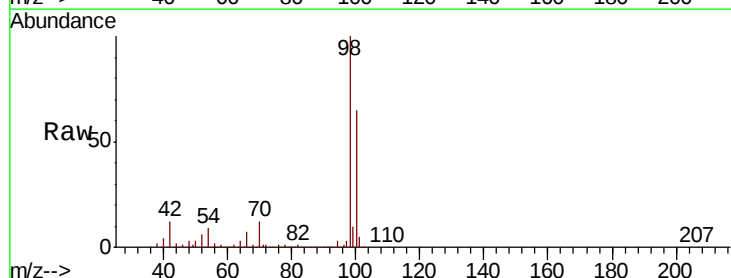
Acq: 26 Sep 2018 21:08

Tgt Ion: 98 Resp: 512622

Ion Ratio Lower Upper

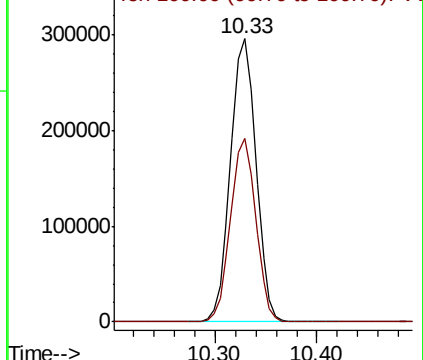
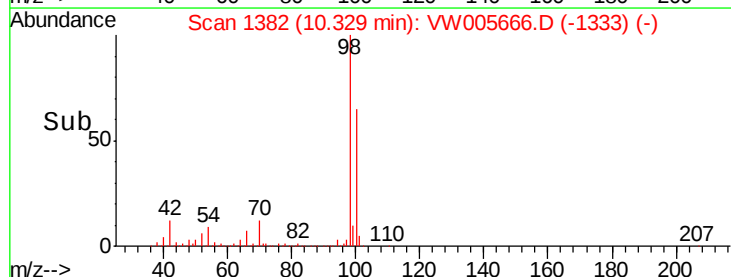
98 100

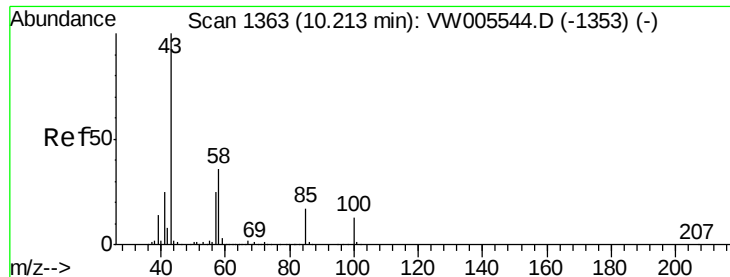
100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.489 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW005666.D

Acq: 26 Sep 2018 21:08

Instrument :

MSVOA_W

ClientSampleId :

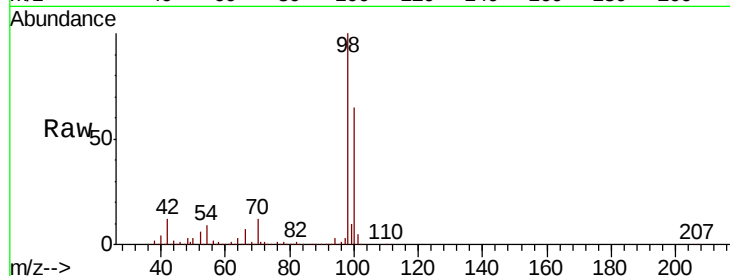
CA-SOIL-1

Tgt Ion: 43 Resp: 2487

Ion Ratio Lower Upper

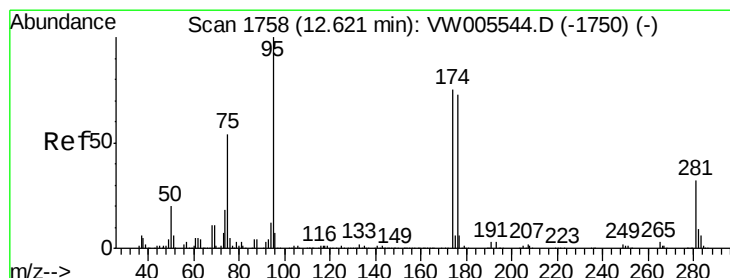
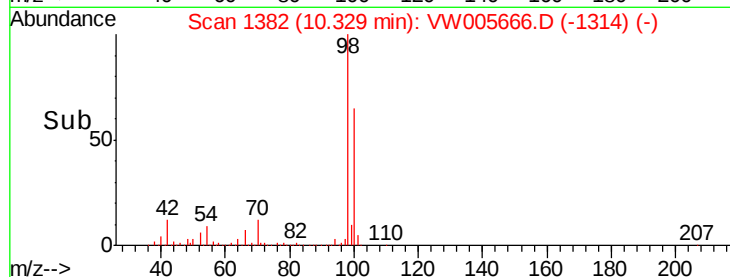
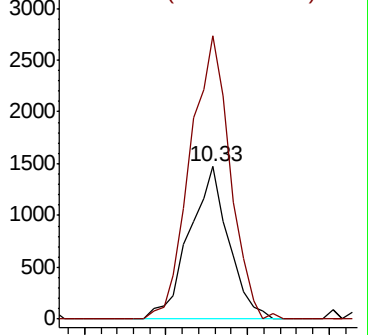
43 100

58 186.5 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 42.835 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005666.D

Acq: 26 Sep 2018 21:08

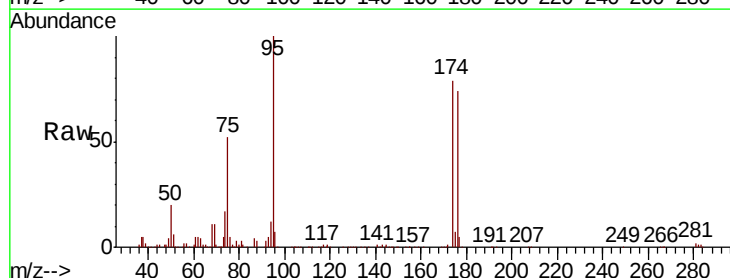
Tgt Ion: 95 Resp: 161631

Ion Ratio Lower Upper

95 100

174 80.9 0.0 163.8

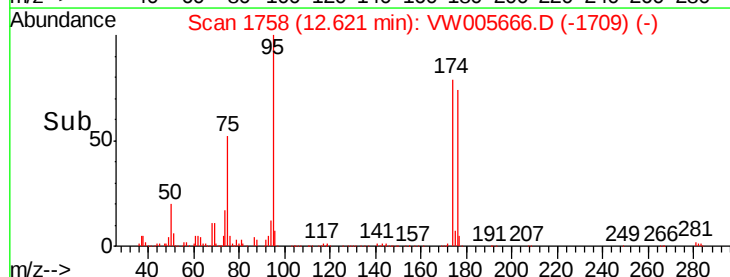
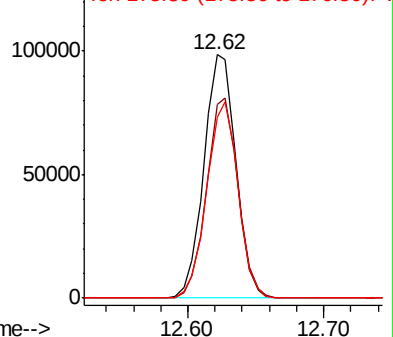
176 78.9 0.0 158.0

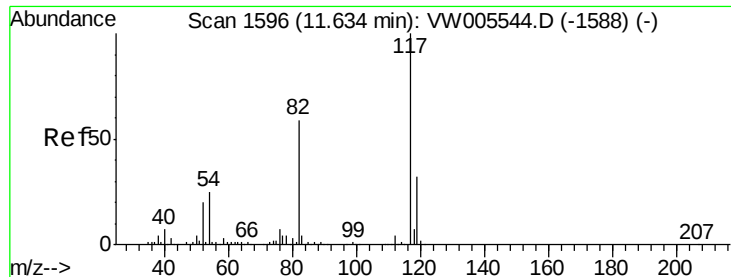


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

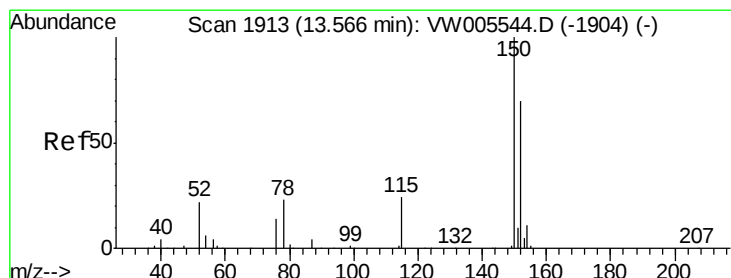
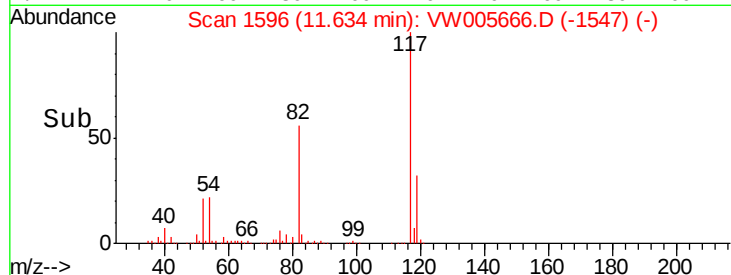
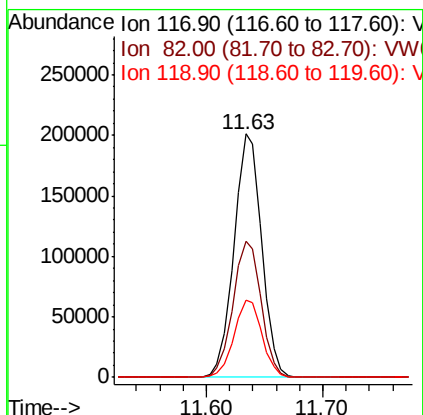
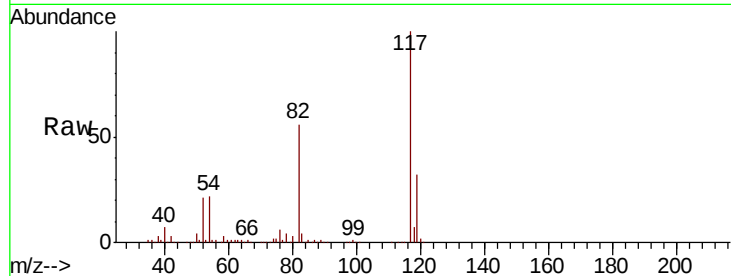




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005666.D
Acq: 26 Sep 2018 21:08

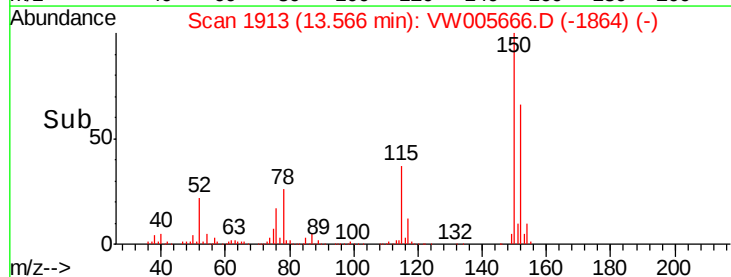
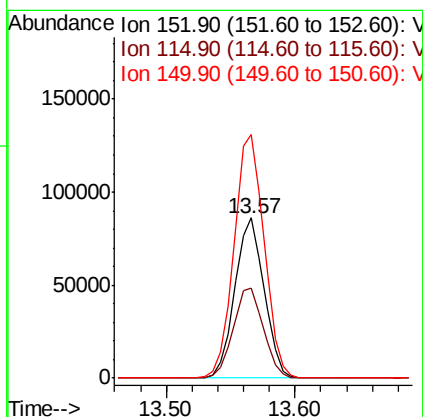
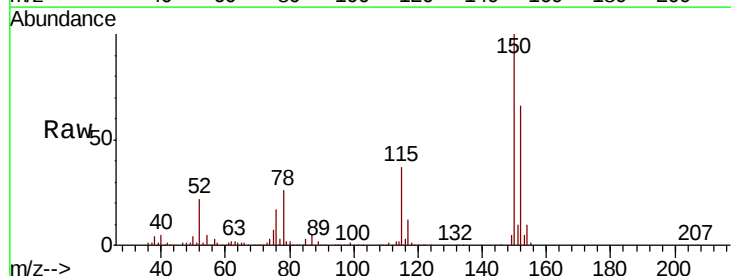
Instrument :
MSVOA_W
ClientSampleId :
CA-SOIL-1

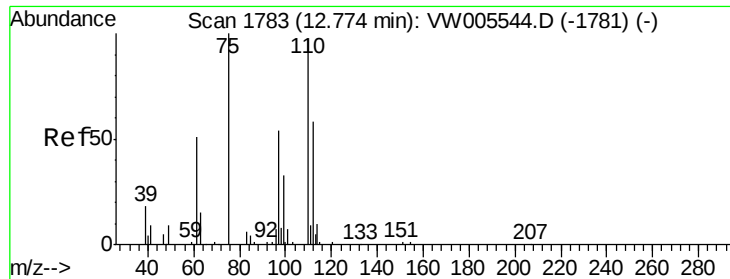
Tgt Ion:117 Resp: 333240
Ion Ratio Lower Upper
117 100
82 56.0 46.9 70.3
119 32.0 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005666.D
Acq: 26 Sep 2018 21:08

Tgt Ion:152 Resp: 135672
Ion Ratio Lower Upper
152 100
115 57.9 30.0 90.0
150 156.0 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 71.141 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005666.D

Acq: 26 Sep 2018 21:08

Instrument :

MSVOA_W

ClientSampleId :

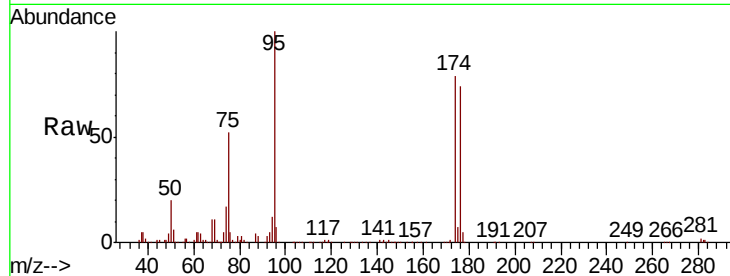
CA-SOIL-1

Tgt Ion: 75 Resp: 82275

Ion Ratio Lower Upper

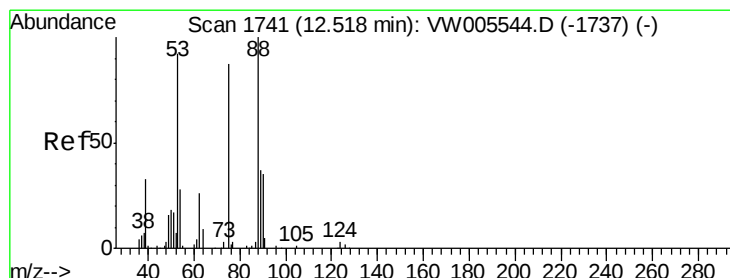
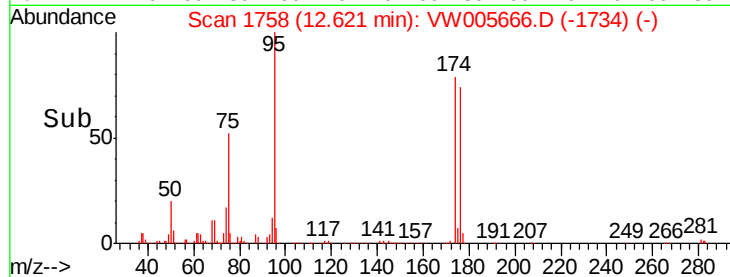
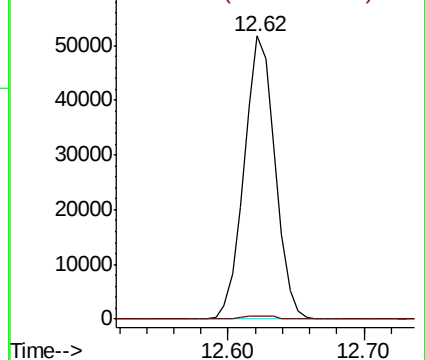
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 160.230 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005666.D

Acq: 26 Sep 2018 21:08

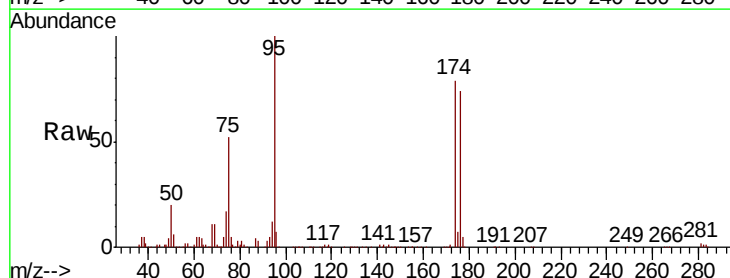
Tgt Ion: 75 Resp: 82275

Ion Ratio Lower Upper

75 100

53 0.2 85.8 128.6#

89 0.1 37.3 55.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

