

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092718\
 Data File : VW005697.D
 Acq On : 27 Sep 2018 14:00
 Operator : VA/AP
 Sample : J5074-01RE
 Misc : 6.07G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CA-SOIL-1RE

Quant Time: Sep 28 01:21:18 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	115520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	176256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	121332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	50831	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	86398	63.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	126.98%	
35) Dibromofluoromethane	7.89	113	68640	61.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	123.86%	
50) Toluene-d8	10.33	98	184792	40.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	81.88%	
62) 4-Bromofluorobenzene	12.62	95	60915	36.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	72.96%	

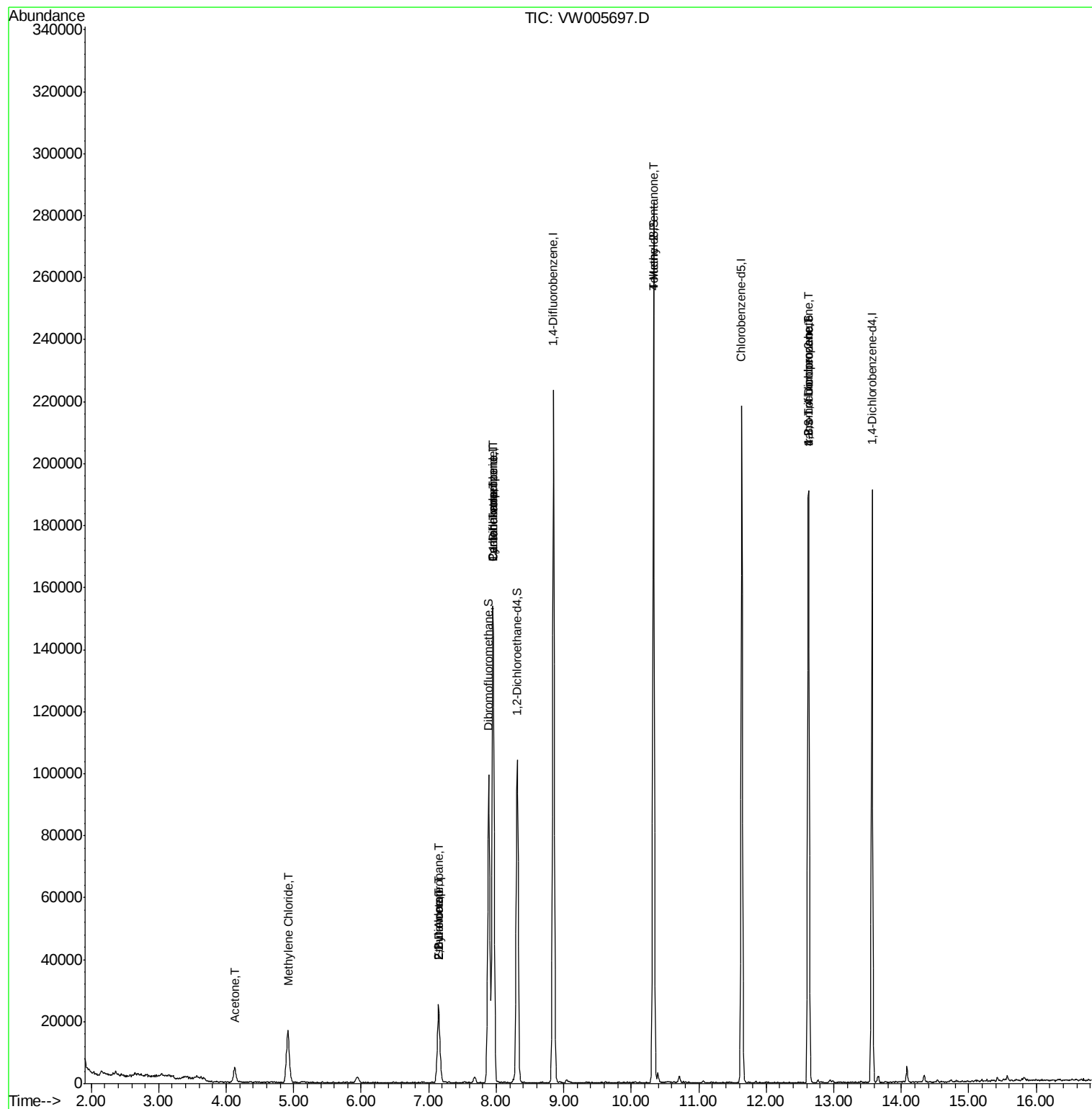
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	79	Below Cal	#	72
16) Acetone	4.12	43	8507	31.515	ug/l	97
20) Methylene Chloride	4.92	84	12056	6.875	ug/l	96
25) 2-Butanone	7.14	43	1693	5.122	ug/l #	50
26) 2,2-Dichloropropane	7.15	77	1702	1.107	ug/l #	54
31) Cyclohexane	7.96	56	2557	1.212	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	8776	4.946	ug/l #	51
37) Ethyl Acetate	7.14	43	1693	2.267	ug/l #	10
38) Carbon Tetrachloride	7.95	117	11366	5.978	ug/l #	15
51) 4-Methyl-2-Pentanone	10.33	43	874	1.182	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	32080	74.036	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	32080	166.752	ug/l #	7

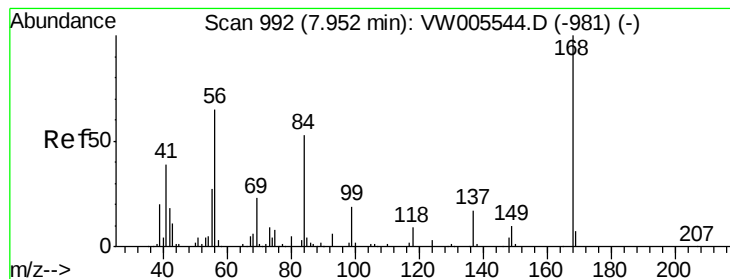
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW005697.D

Acq: 27 Sep 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

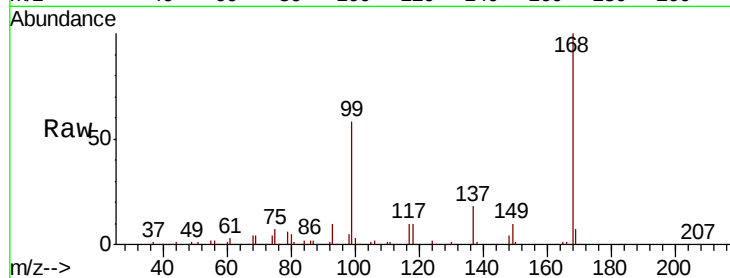
CA-SOIL-1RE

Tgt Ion:168 Resp: 115520

Ion Ratio Lower Upper

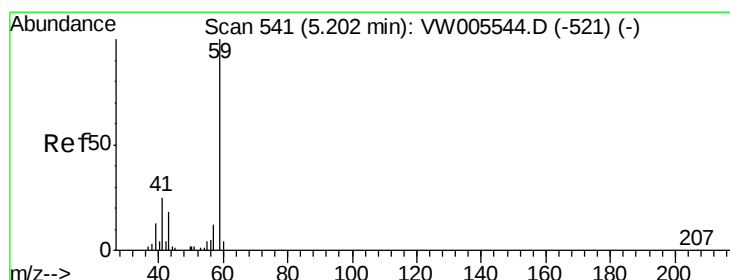
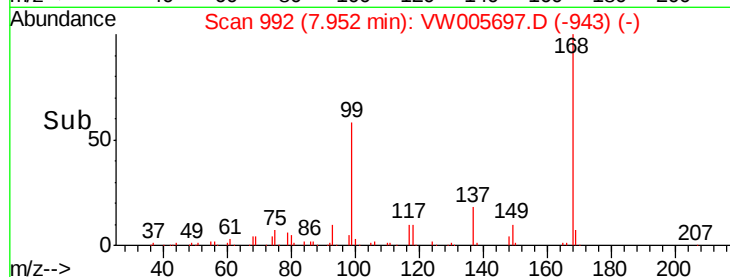
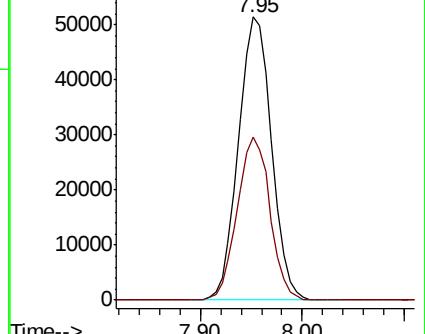
168 100

99 57.7 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 540

Delta R.T. -0.01 min

Lab File: VW005697.D

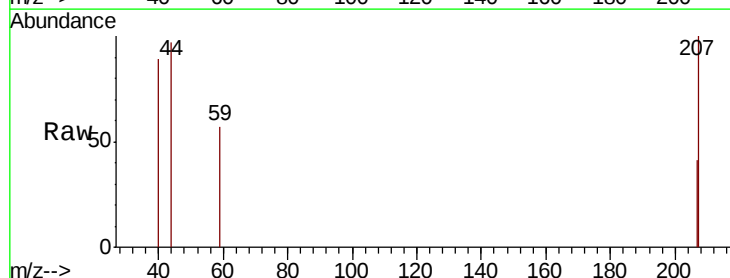
Acq: 27 Sep 2018 14:00

Tgt Ion: 59 Resp: 79

Ion Ratio Lower Upper

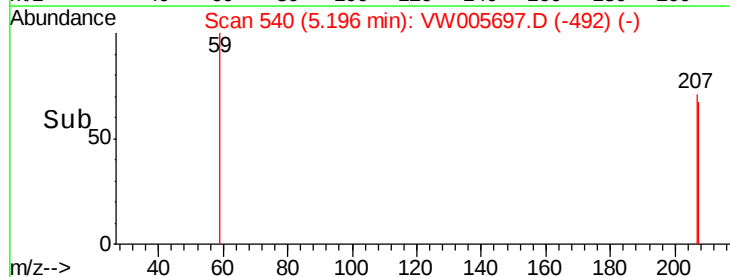
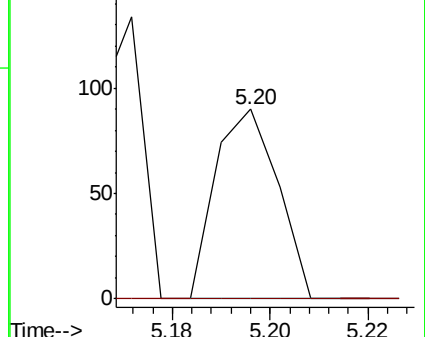
59 100

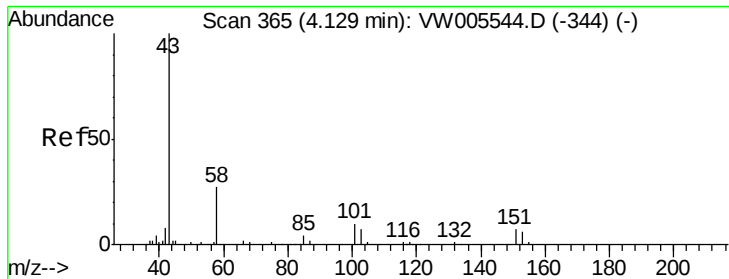
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

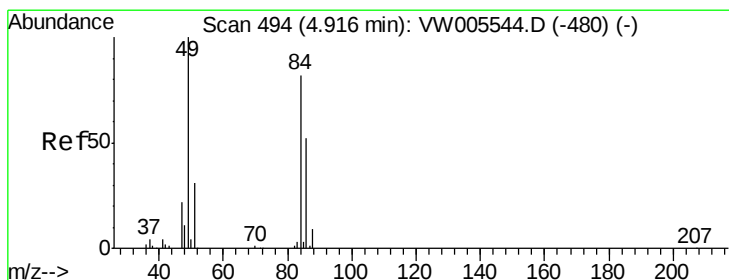
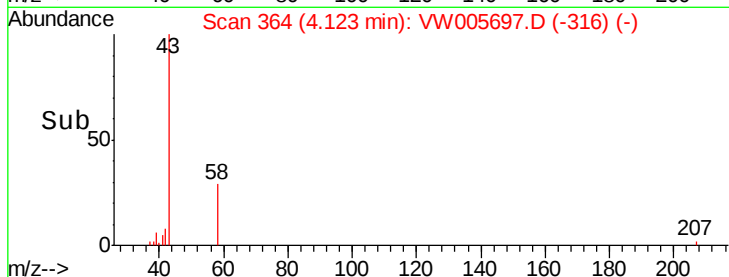
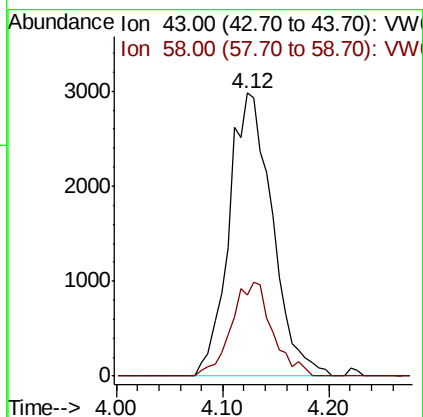
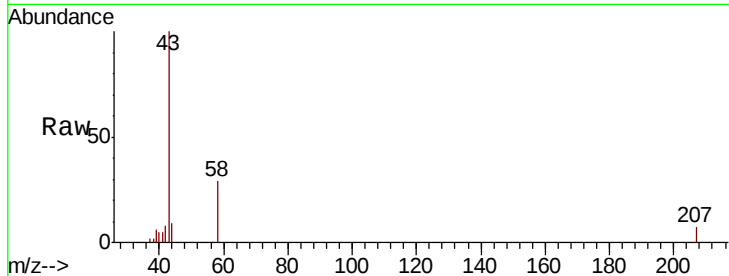




#16
Acetone
Concen: 31.515 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.01 min
Lab File: VW005697.D
Acq: 27 Sep 2018 14:00

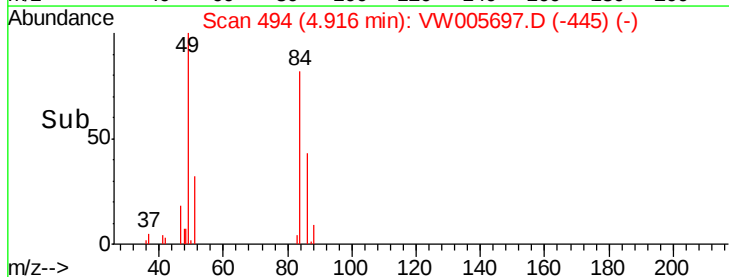
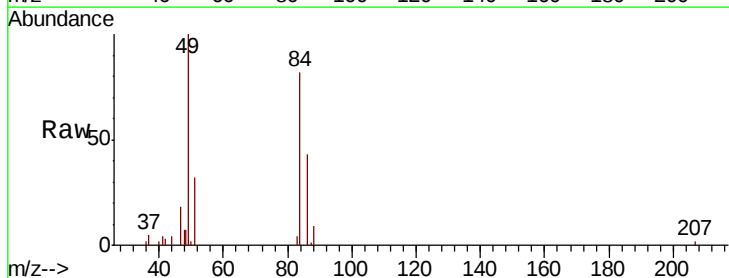
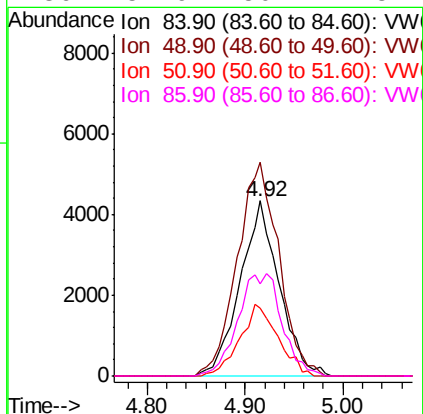
Instrument :
MSVOA_W
ClientSampleId :
CA-SOIL-1RE

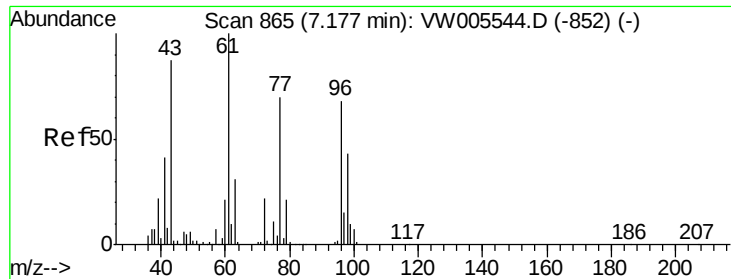
Tgt Ion: 43 Resp: 8507
Ion Ratio Lower Upper
43 100
58 28.8 21.8 32.8



#20
Methylene Chloride
Concen: 6.875 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW005697.D
Acq: 27 Sep 2018 14:00

Tgt Ion: 84 Resp: 12056
Ion Ratio Lower Upper
84 100
49 122.2 97.0 145.6
51 38.5 30.2 45.2
86 52.9 50.2 75.4





#25

2-Butanone

Concen: 5.122 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW005697.D

Acq: 27 Sep 2018 14:00

Instrument :

MSVOA_W

ClientSampled :

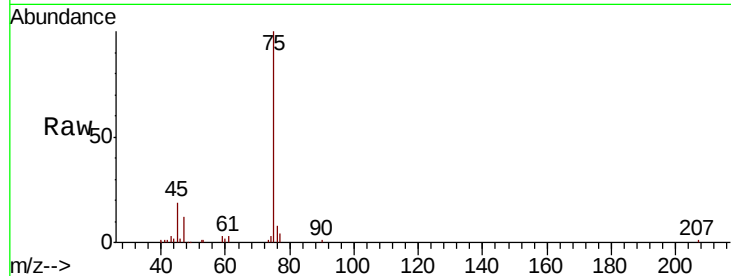
CA-SOIL-1RE

Tgt Ion: 43 Resp: 1693

Ion Ratio Lower Upper

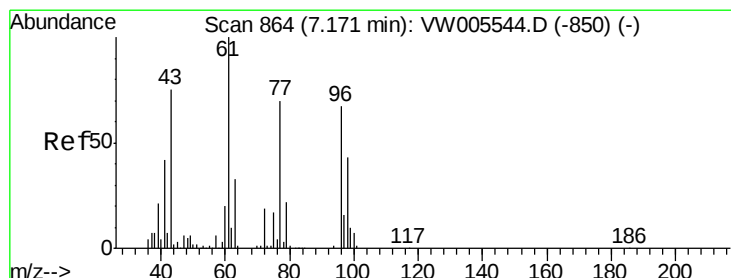
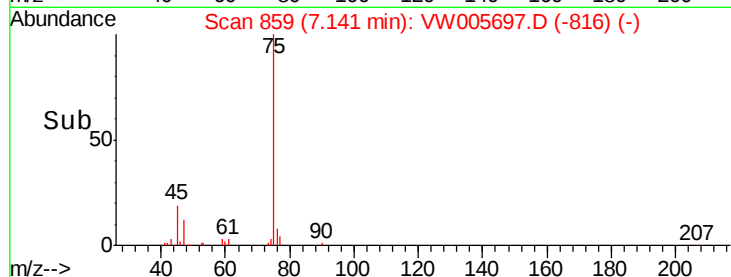
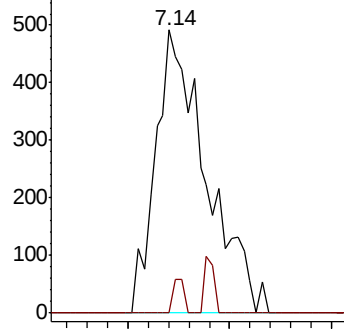
43 100

72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.107 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW005697.D

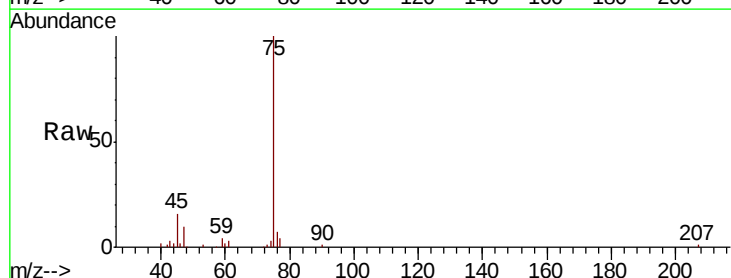
Acq: 27 Sep 2018 14:00

Tgt Ion: 77 Resp: 1702

Ion Ratio Lower Upper

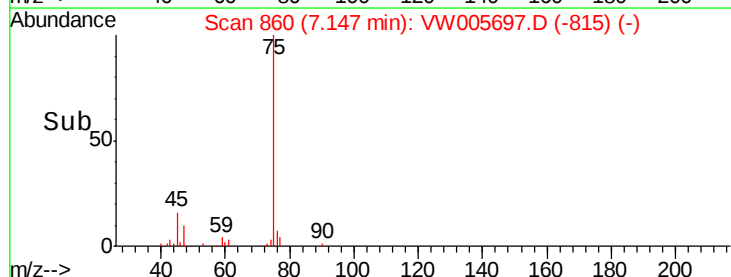
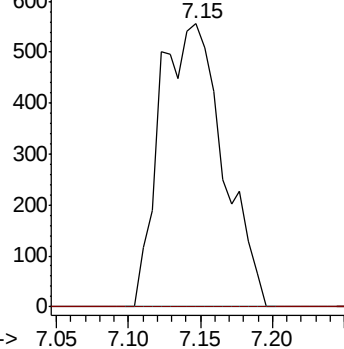
77 100

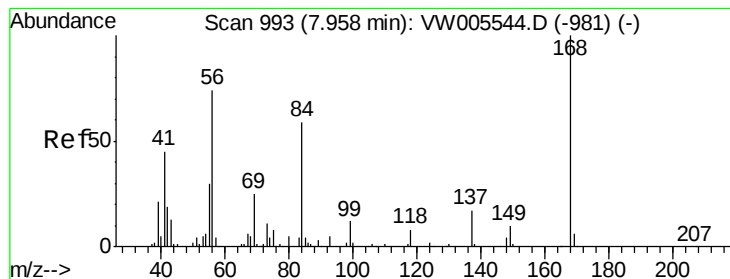
97 0.0 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#31

Cyclohexane

Concen: 1.212 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005697.D

Acq: 27 Sep 2018 14:00

Instrument :

MSVOA_W

ClientSampled :

CA-SOIL-1RE

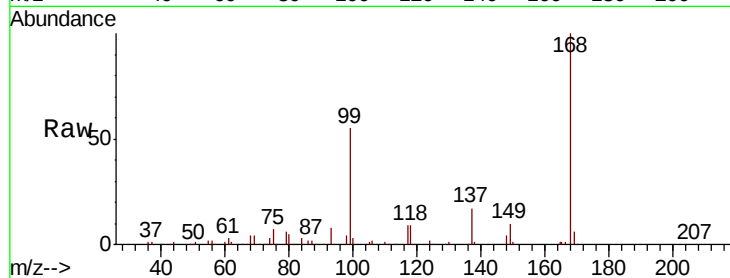
Tgt Ion: 56 Resp: 2557

Ion Ratio Lower Upper

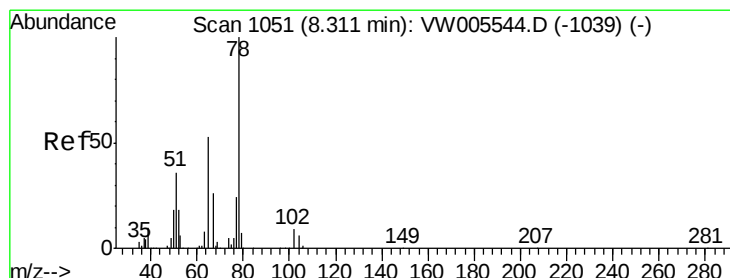
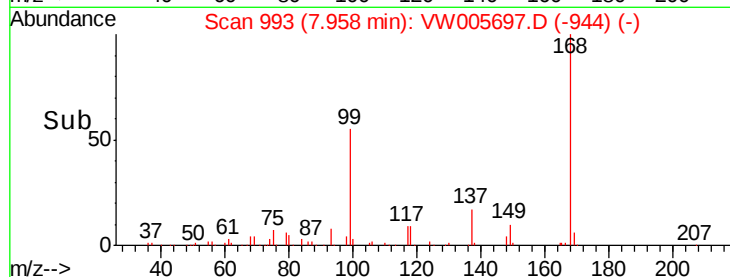
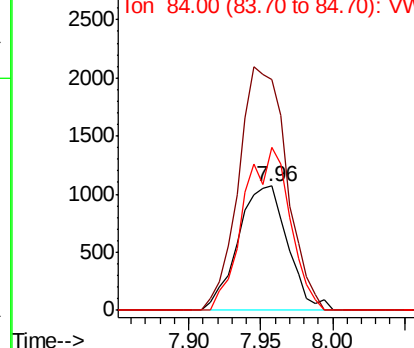
56 100

69 186.2 27.0 40.4#

84 131.0 64.2 96.4#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 63.486 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005697.D

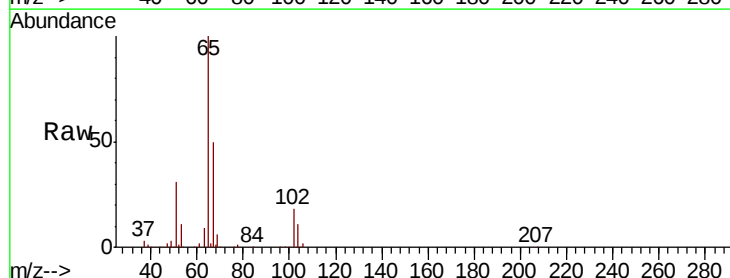
Acq: 27 Sep 2018 14:00

Tgt Ion: 65 Resp: 86398

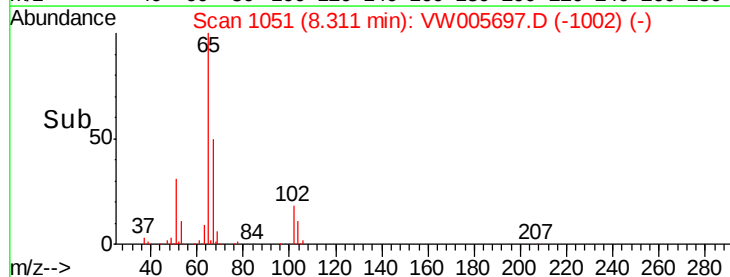
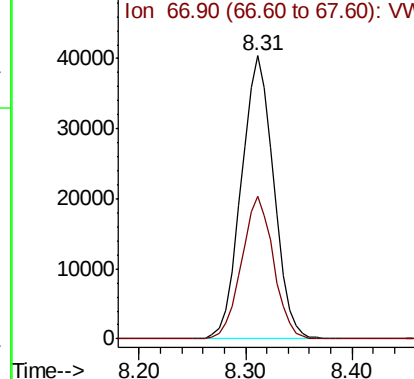
Ion Ratio Lower Upper

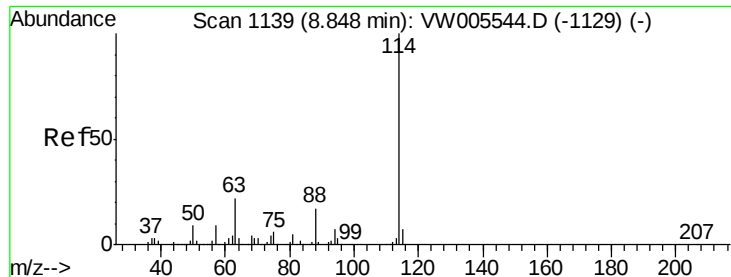
65 100

67 49.5 0.0 100.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

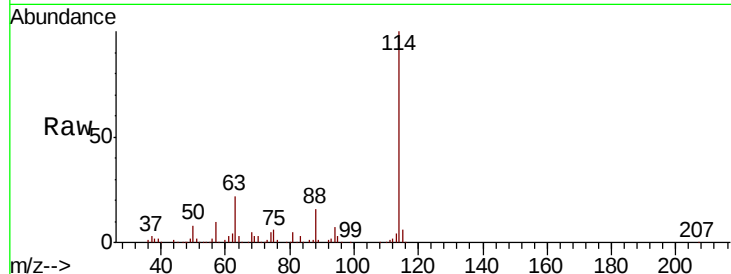




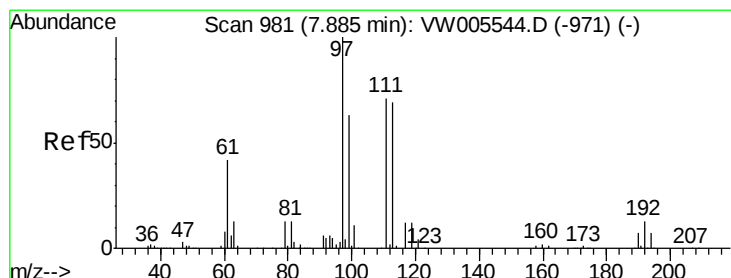
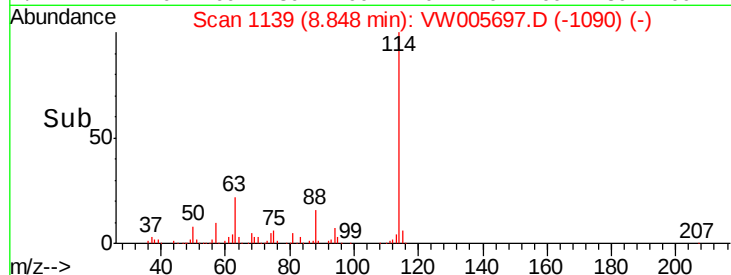
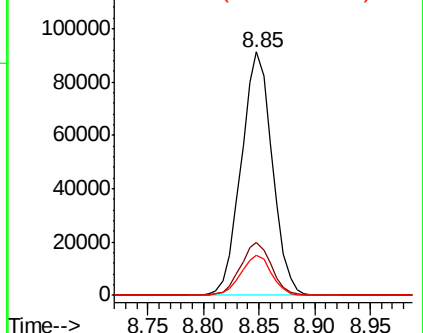
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005697.D
 Acq: 27 Sep 2018 14:00

Instrument :
 MSVOA_W
 ClientSampleId :
 CA-SOIL-1RE

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.0
88	16.4	0.0	33.0

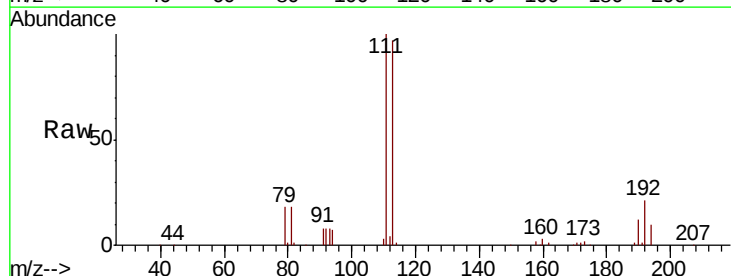


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

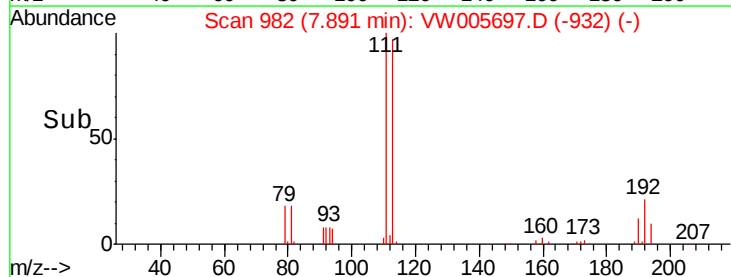
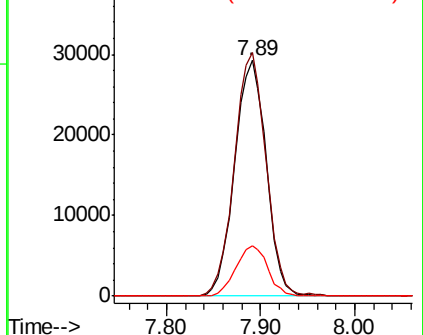


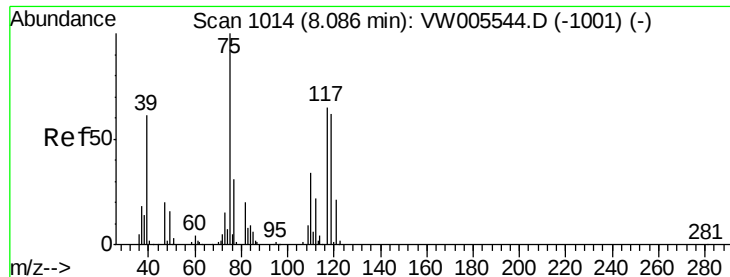
#35
 Dibromofluoromethane
 Concen: 61.927 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005697.D
 Acq: 27 Sep 2018 14:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.6	123.8
192	21.5	17.0	25.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.946 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW005697.D

Acq: 27 Sep 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

CA-SOIL-1RE

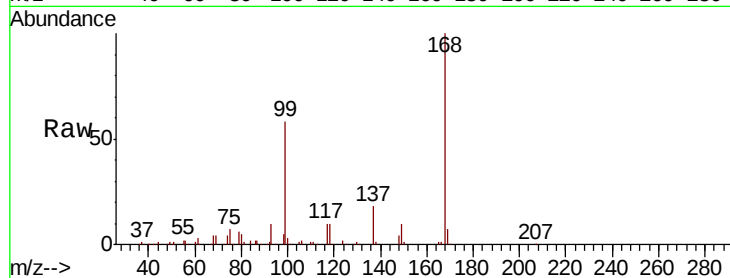
Tgt Ion: 75 Resp: 8776

Ion Ratio Lower Upper

75 100

110 9.9 17.0 50.9#

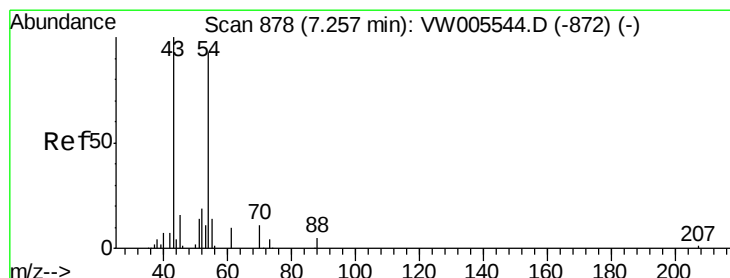
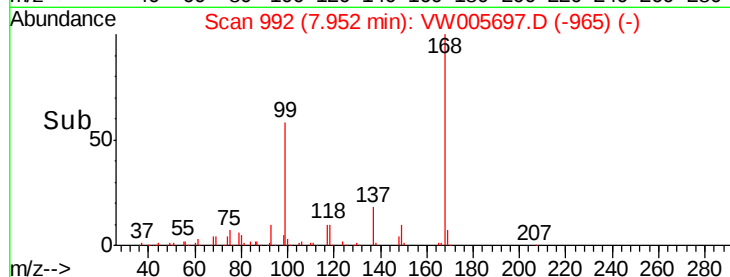
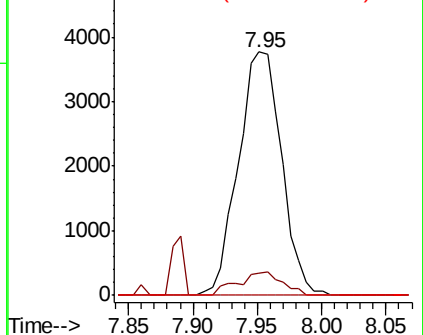
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 2.267 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.12 min

Lab File: VW005697.D

Acq: 27 Sep 2018 14:00

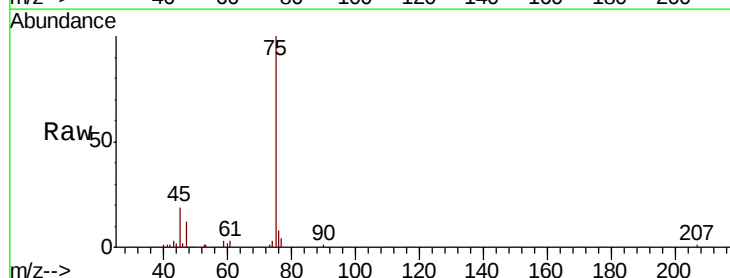
Tgt Ion: 43 Resp: 1693

Ion Ratio Lower Upper

43 100

61 68.4 10.4 15.6#

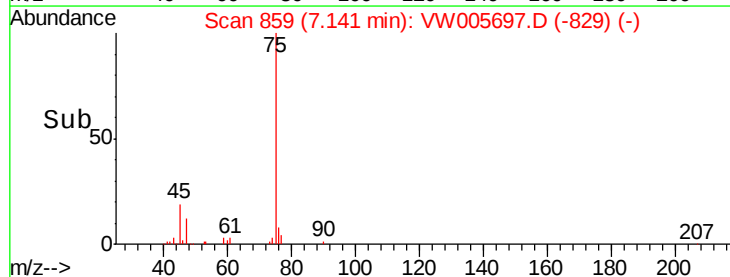
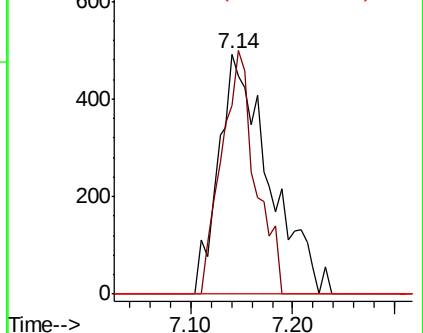
70 0.0 8.2 12.2#

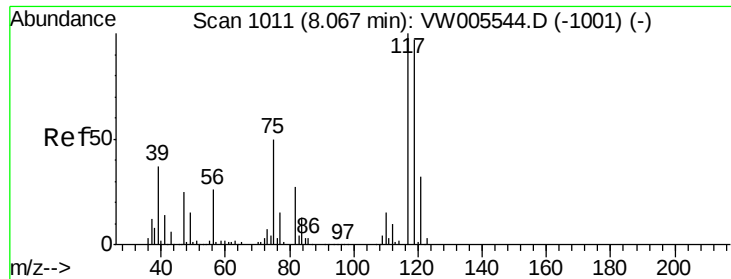


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

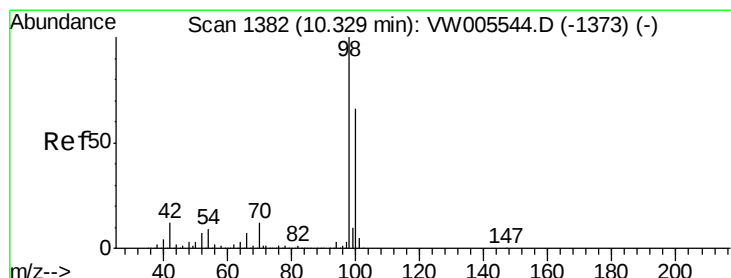
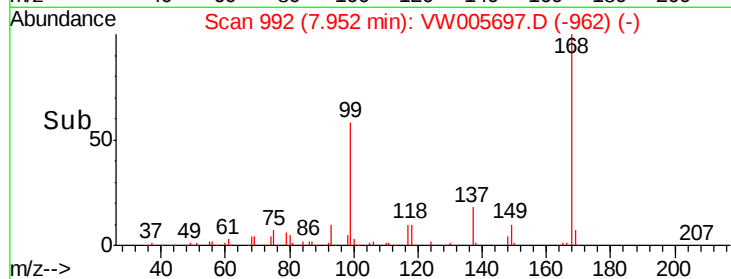
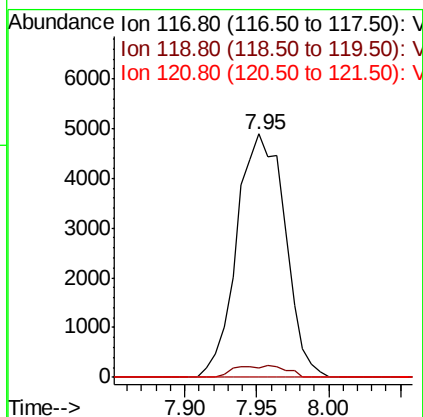
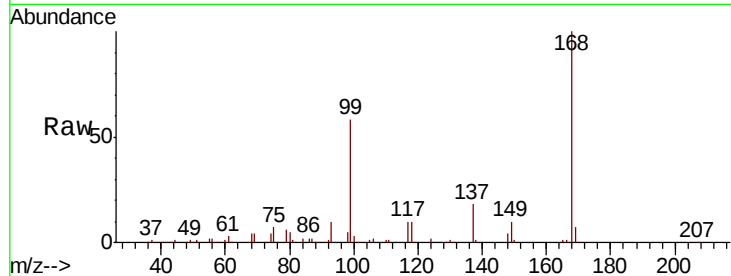




#38
Carbon Tetrachloride
Concen: 5.978 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW005697.D
Acq: 27 Sep 2018 14:00

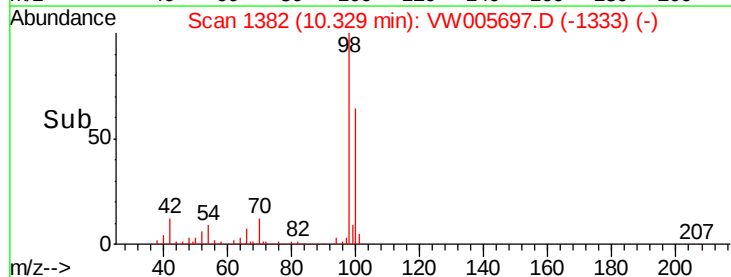
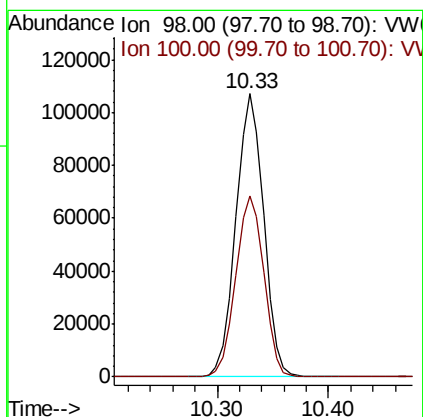
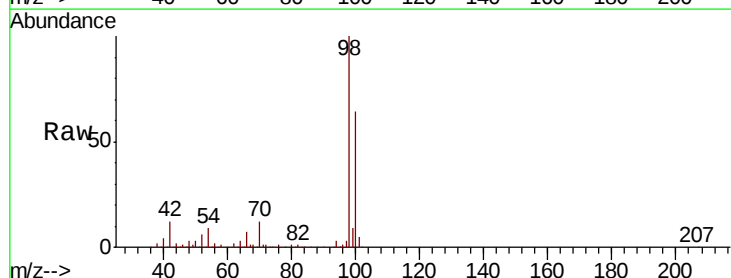
Instrument :
MSVOA_W
ClientSampleId :
CA-SOIL-1RE

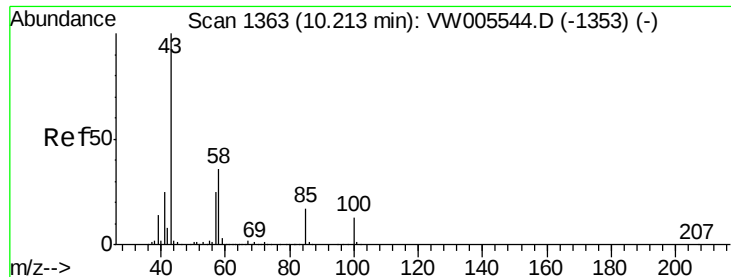
Tgt Ion:117 Resp: 11366
Ion Ratio Lower Upper
117 100
119 4.0 77.6 116.4#
121 0.0 25.7 38.5#



#50
Toluene-d8
Concen: 40.945 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005697.D
Acq: 27 Sep 2018 14:00

Tgt Ion: 98 Resp: 184792
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4

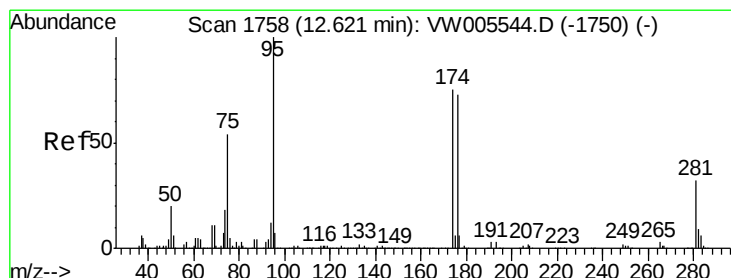
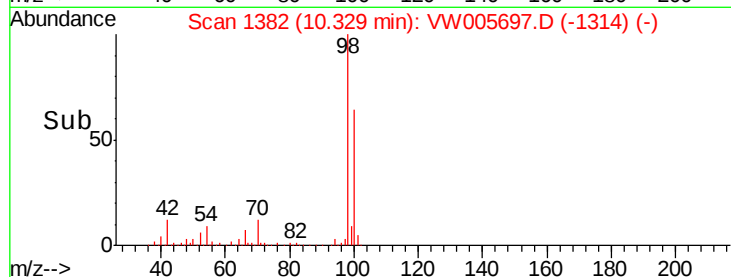
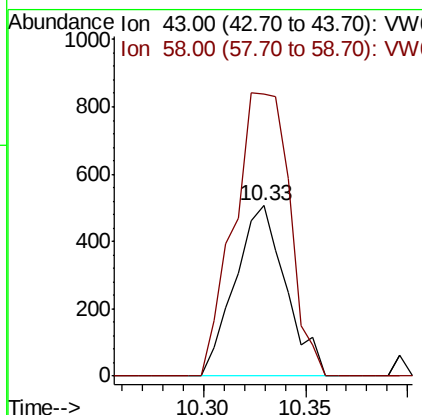
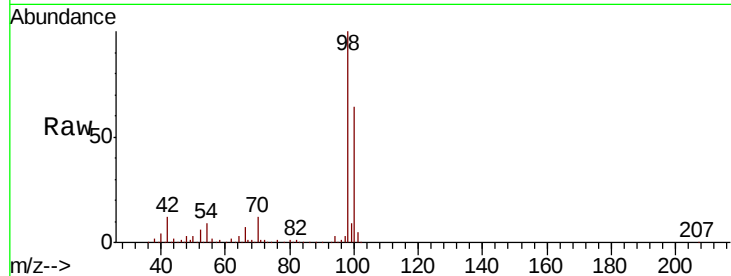




#51
 4-Methyl-2-Pentanone
 Concen: 1.182 ug/l
 RT: 10.33 min Scan# 1382
 Delta R.T. 0.12 min
 Lab File: VW005697.D
 Acq: 27 Sep 2018 14:00

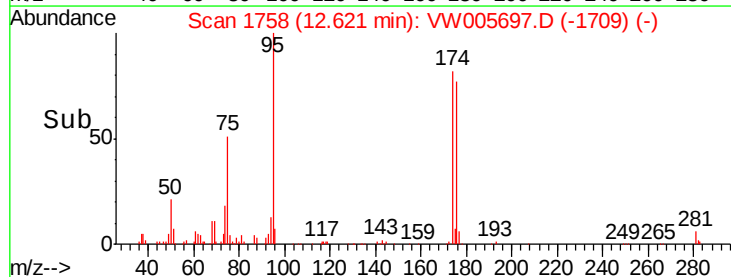
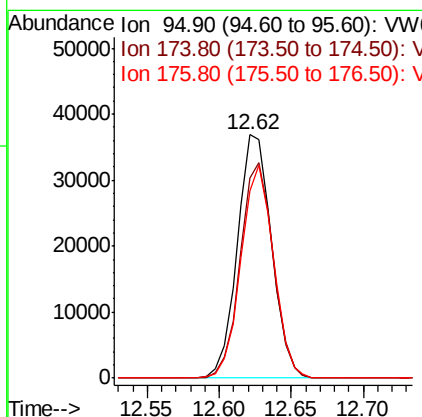
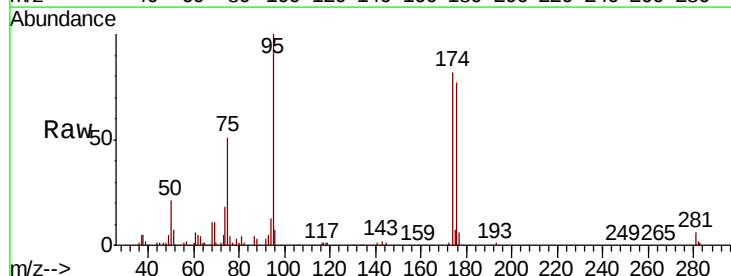
Instrument :
 MSVOA_W
 ClientSampleId :
 CA-SOIL-1RE

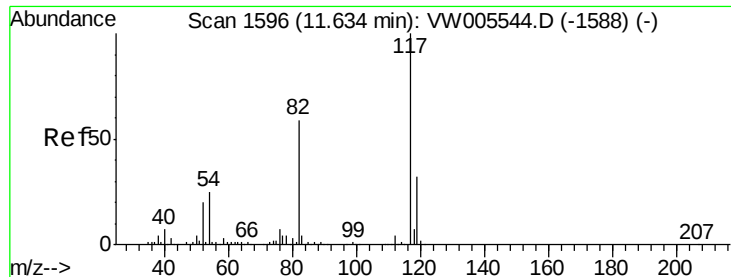
Tgt Ion: 43 Resp: 874
 Ion Ratio Lower Upper
 43 100
 58 182.6 30.0 45.0#



#62
 4-Bromofluorobenzene
 Concen: 36.476 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW005697.D
 Acq: 27 Sep 2018 14:00

Tgt Ion: 95 Resp: 60915
 Ion Ratio Lower Upper
 95 100
 174 85.2 0.0 163.8
 176 82.9 0.0 158.0

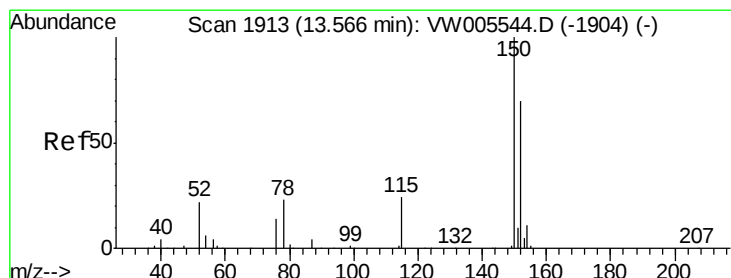
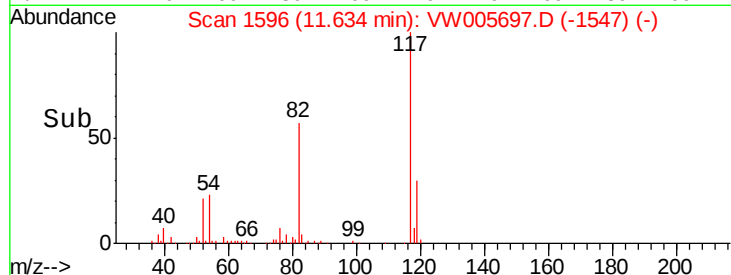
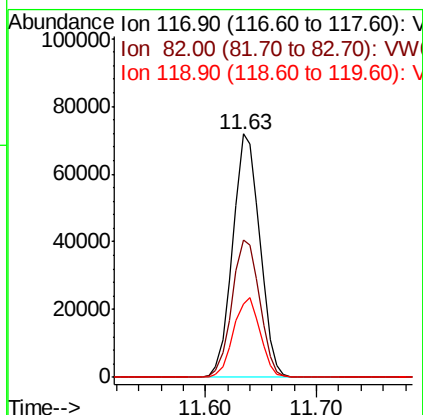
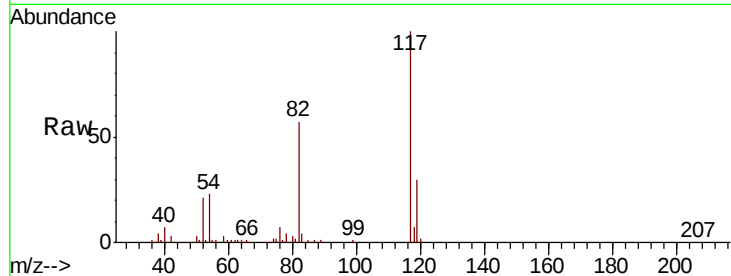




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW005697.D
Acq: 27 Sep 2018 14:00

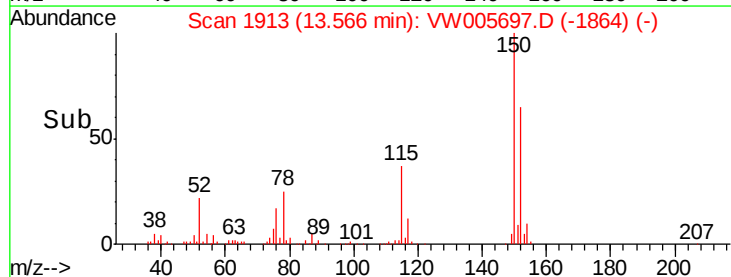
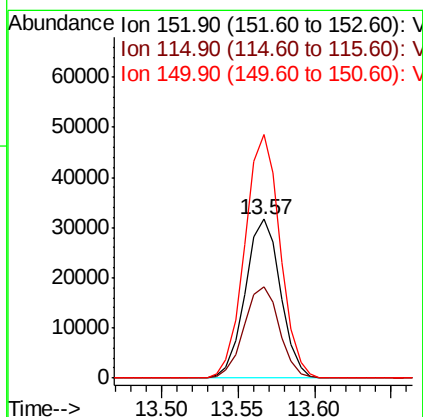
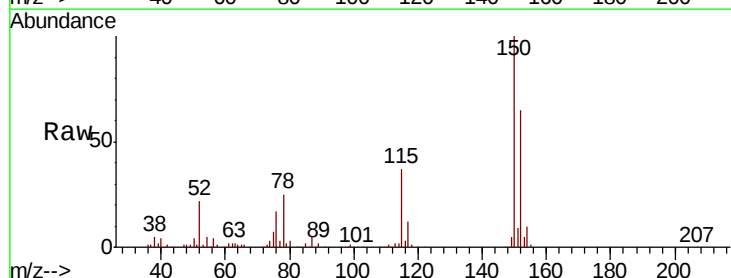
Instrument :
MSVOA_W
ClientSampleId :
CA-SOIL-1RE

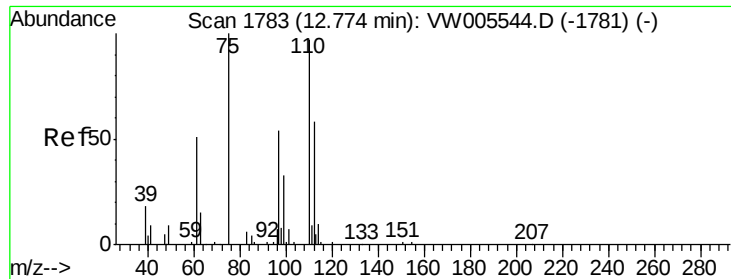
Tgt Ion:117 Resp: 121332
Ion Ratio Lower Upper
117 100
82 56.6 46.9 70.3
119 30.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005697.D
Acq: 27 Sep 2018 14:00

Tgt Ion:152 Resp: 50831
Ion Ratio Lower Upper
152 100
115 57.7 30.0 90.0
150 153.2 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 74.036 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005697.D

Acq: 27 Sep 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

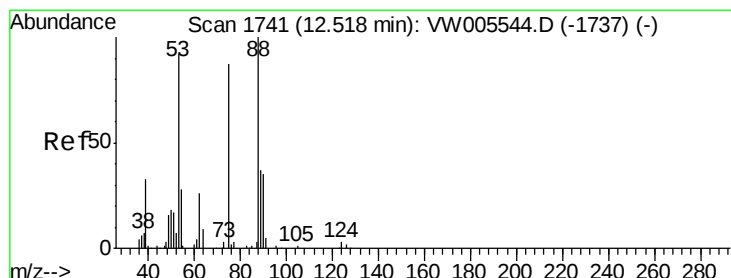
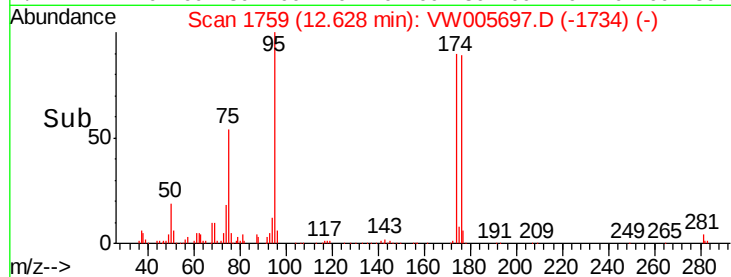
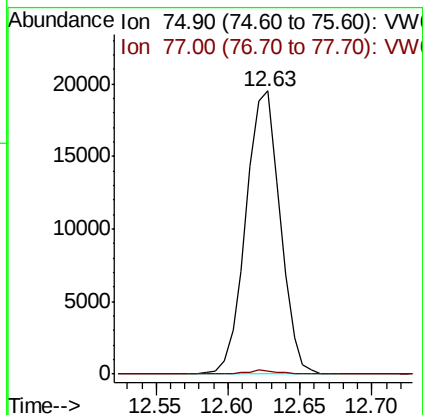
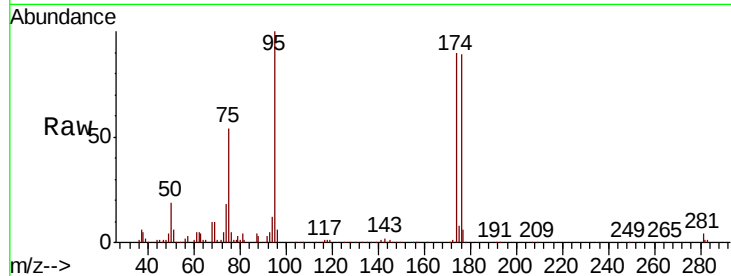
CA-SOIL-1RE

Tgt Ion: 75 Resp: 32080

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 166.752 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005697.D

Acq: 27 Sep 2018 14:00

Tgt Ion: 75 Resp: 32080

Ion Ratio Lower Upper

75 100

53 0.0 85.8 128.6#

89 0.0 37.3 55.9#

