

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070918\
 Data File : VW003787.D
 Acq On : 09 Jul 2018 19:28
 Operator : SY/AP
 Sample : J3896-01
 Misc : 5.50G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-SOIL

Quant Time: Jul 10 01:56:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	24040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	31845	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	21364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	4410	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	51868	164.99	ug/l	0.00
Spiked Amount			Recovery	=	329.98%	
35) Dibromofluoromethane	7.88	113	47342	212.41	ug/l	0.00
Spiked Amount			Recovery	=	424.82%	
50) Toluene-d8	10.33	98	116127	136.21	ug/l	0.00
Spiked Amount			Recovery	=	272.42%	
62) 4-Bromofluorobenzene	12.62	95	19965	64.72	ug/l	0.00
Spiked Amount			Recovery	=	129.44%	

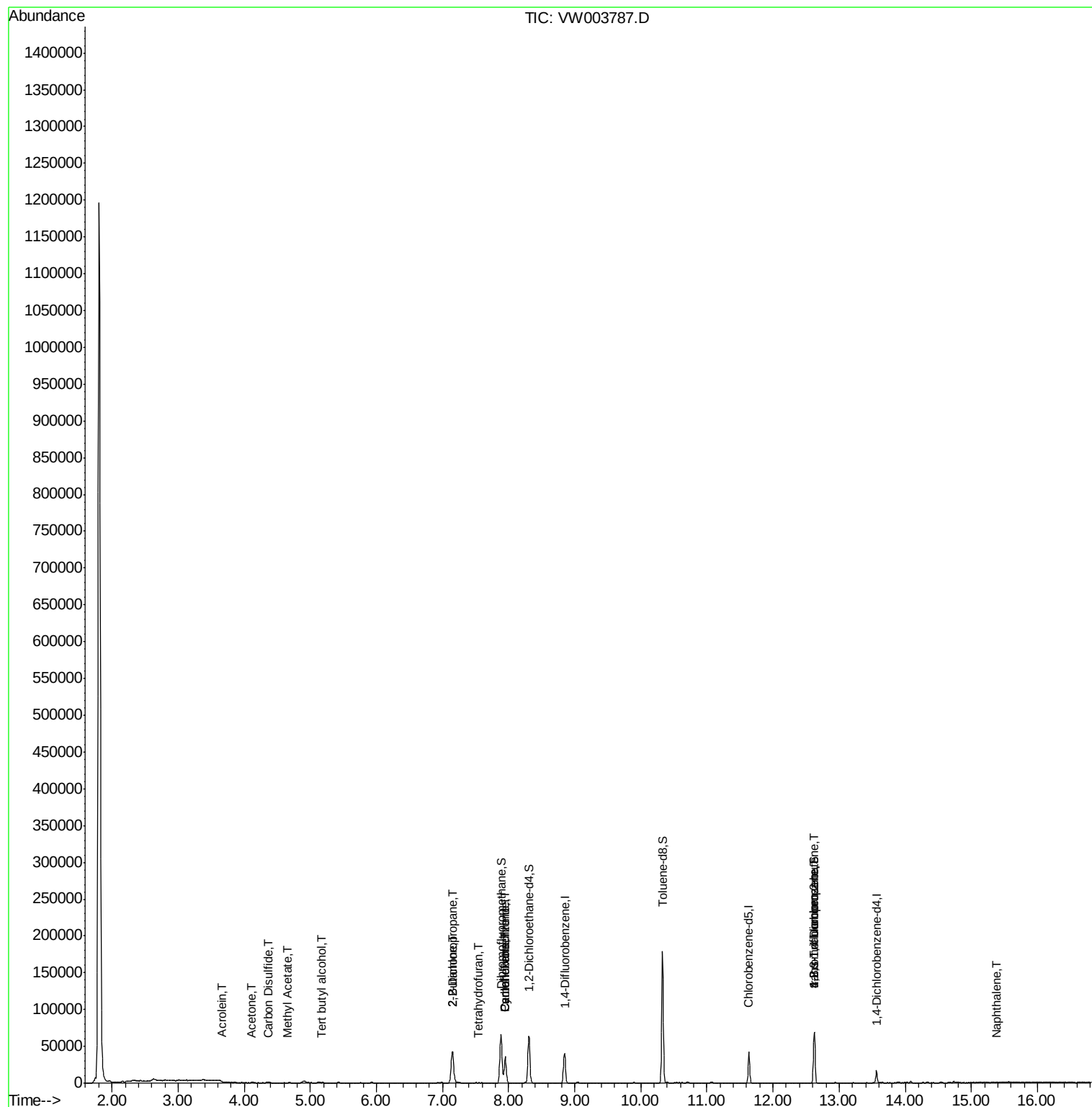
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	100	5.870	ug/l #	70
13) Acrolein	3.67	56	56	6.681	ug/l #	54
16) Acetone	4.12	43	1105	20.259	ug/l	93
17) Carbon Disulfide	4.36	76	1413	1.909	ug/l	98
18) Methyl Acetate	4.66	43	379	2.465	ug/l #	54
25) 2-Butanone	7.15	43	2511	29.393	ug/l #	87
26) 2,2-Dichloropropane	7.16	77	2891	10.210	ug/l #	53
29) Tetrahydrofuran	7.54	42	141	2.567	ug/l #	36
31) Cyclohexane	7.95	56	831	1.811	ug/l #	38
38) Carbon Tetrachloride	7.95	117	2624	8.168	ug/l #	18
76) 1,2,3-Trichloropropane	12.63	75	11399	263.223	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	11399	643.906	ug/l #	7
95) Naphthalene	15.39	128	323	1.975	ug/l #	69

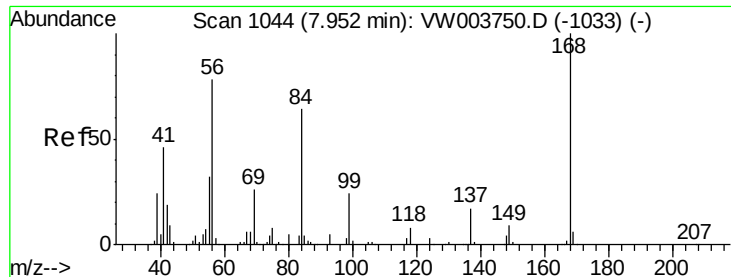
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 10 01:56:23 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003787.D

Acq: 09 Jul 2018 19:28

Instrument :

MSVOA_W

ClientSampled :

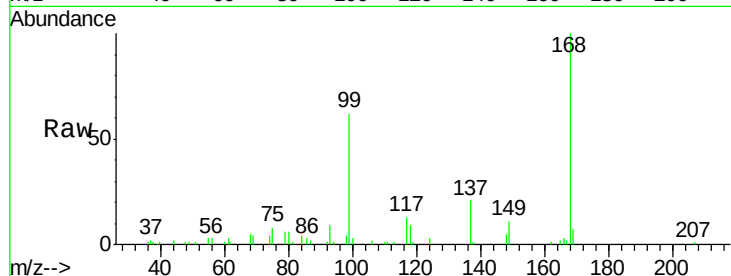
JC-SOIL

Tot Ion:168 Resp: 24040

Ion Ratio Lower Upper

168 100

99 62.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

12000

10000

8000

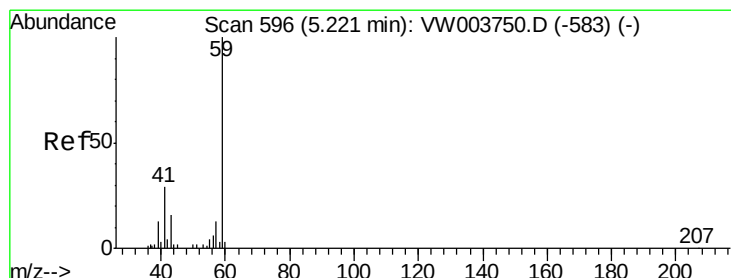
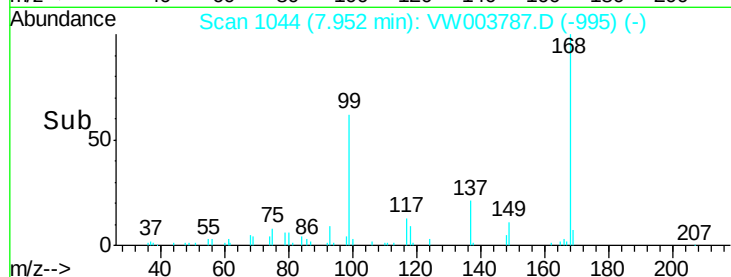
6000

4000

2000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.870 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.05 min

Lab File: VW003787.D

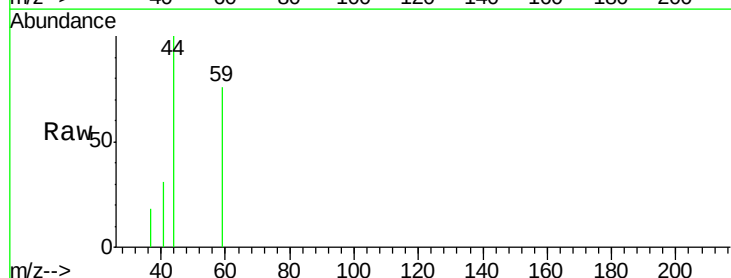
Acq: 09 Jul 2018 19:28

Tgt Ion: 59 Resp: 100

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

250

200

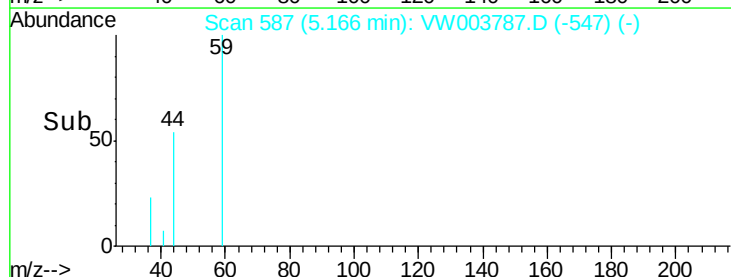
150

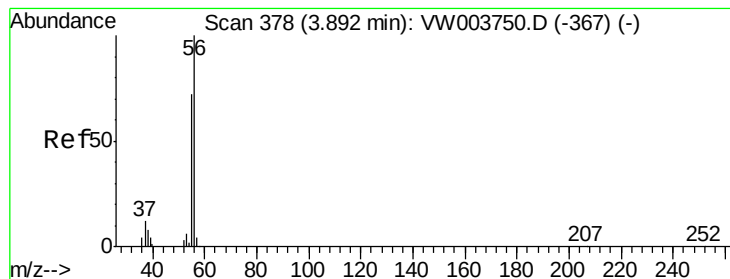
100

50

0

Time-->





#13

Acrolein

Concen: 6.681 ug/l

RT: 3.67 min Scan# 341

Delta R.T. -0.22 min

Lab File: VW003787.D

Acq: 09 Jul 2018 19:28

Instrument :

MSVOA_W

ClientSampled :

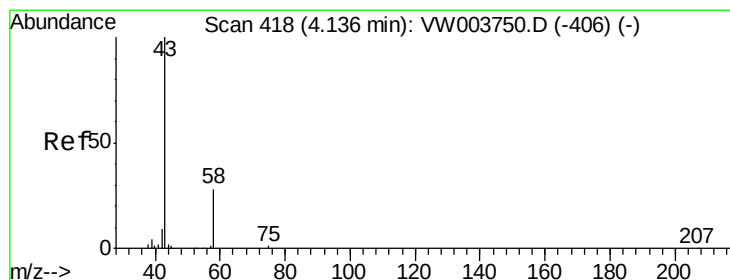
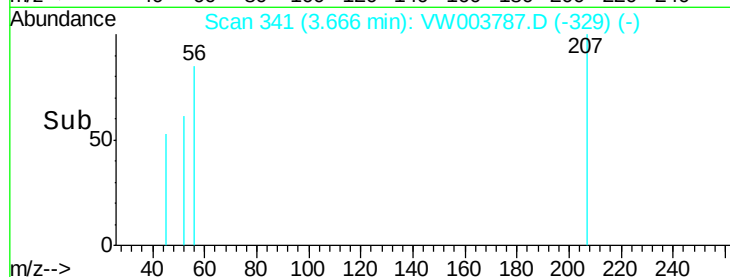
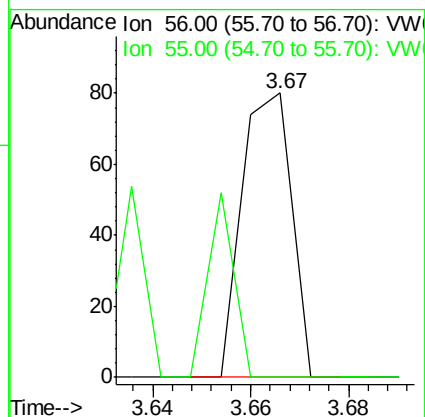
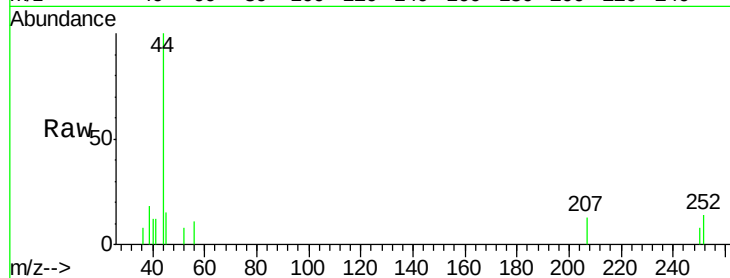
JC-SOIL

Tot Ion: 56 Resp: 56

Ion Ratio Lower Upper

56 100

55 33.9 57.5 86.3#



#16

Acetone

Concen: 20.259 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW003787.D

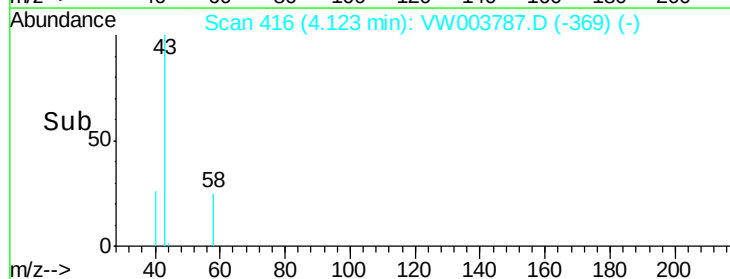
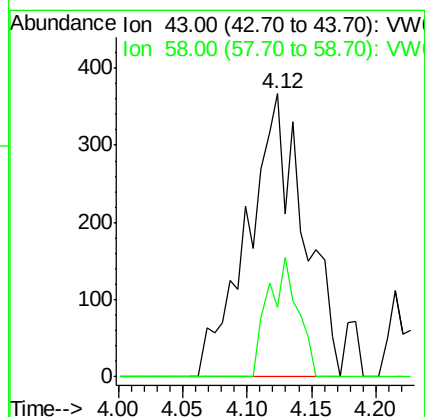
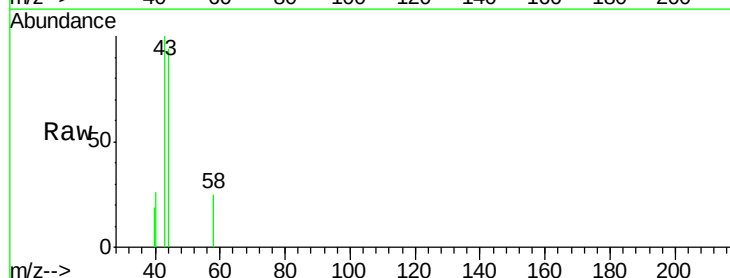
Acq: 09 Jul 2018 19:28

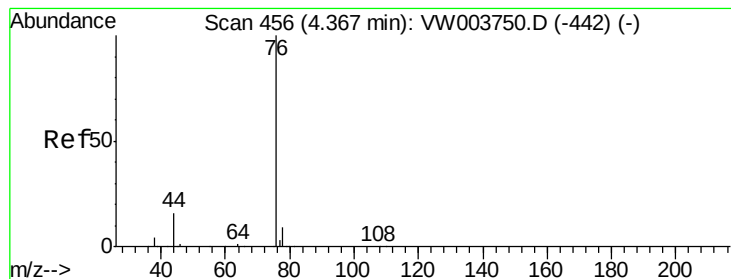
Tgt Ion: 43 Resp: 1105

Ion Ratio Lower Upper

43 100

58 24.8 22.6 34.0





#17

Carbon Disulfide

Concen: 1.909 ug/l

RT: 4.36 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW003787.D

Acq: 09 Jul 2018 19:28

Instrument :

MSVOA_W

ClientSampled :

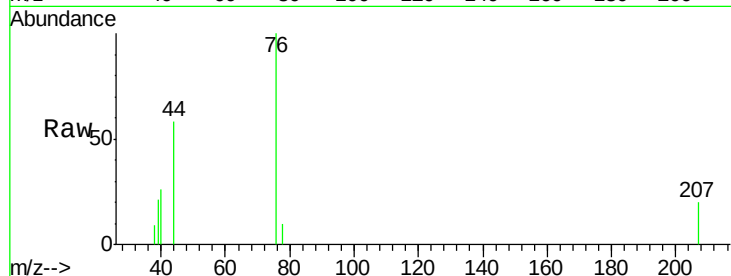
JC-SOIL

Tot Ion: 76 Resp: 1413

Ion Ratio Lower Upper

76 100

78 9.9 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.36

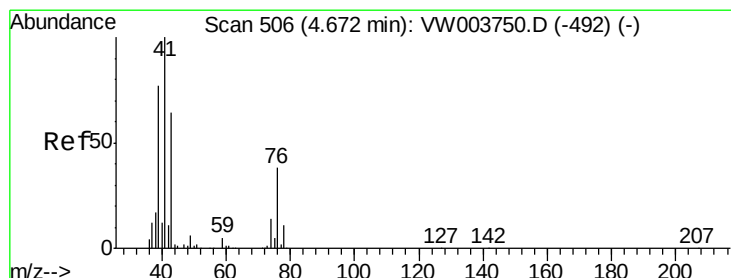
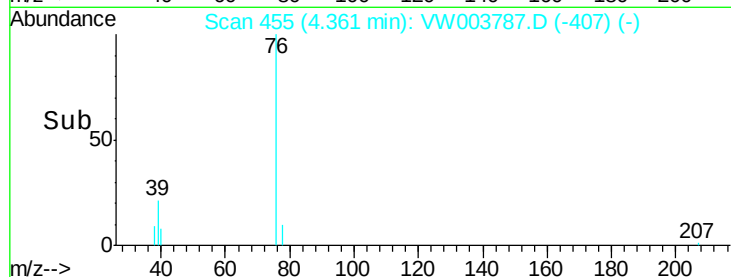
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 2.465 ug/l

RT: 4.66 min Scan# 504

Delta R.T. -0.01 min

Lab File: VW003787.D

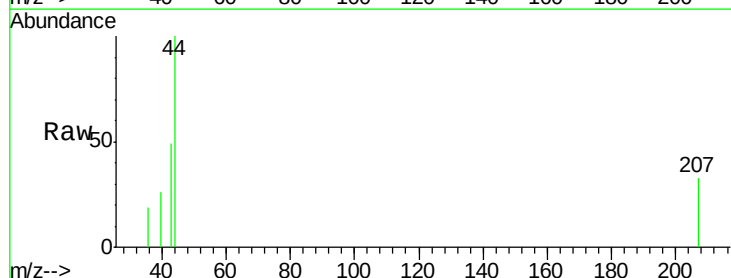
Acq: 09 Jul 2018 19:28

Tgt Ion: 43 Resp: 379

Ion Ratio Lower Upper

43 100

74 0.0 17.3 25.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.66

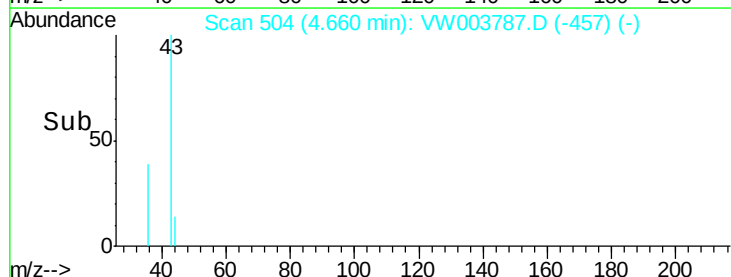
150

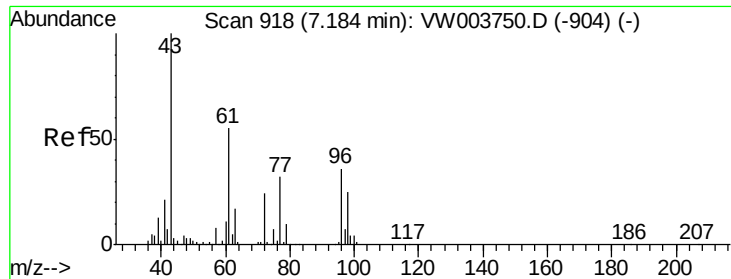
100

50

0

Time-->





#25

2-Butanone

Concen: 29.393 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.04 min

Lab File: VW003787.D

Acq: 09 Jul 2018 19:28

Instrument :

MSVOA_W

ClientSampled :

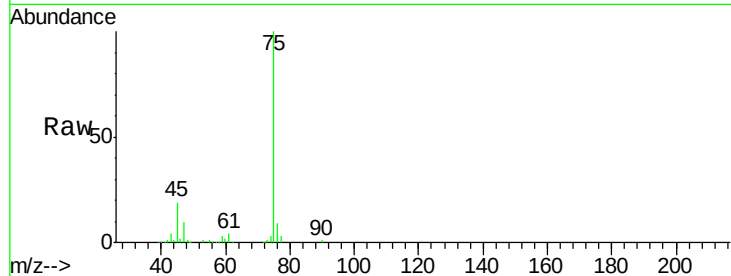
JC-SOIL

Tot Ion: 43 Resp: 2511

Ion Ratio Lower Upper

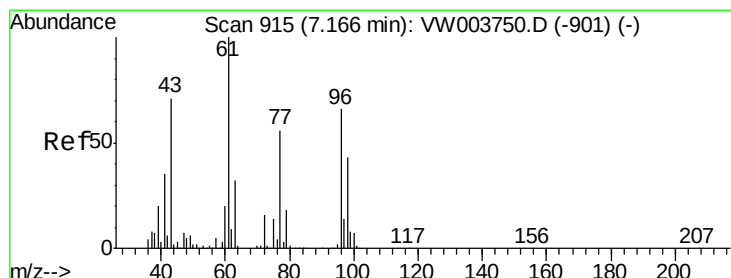
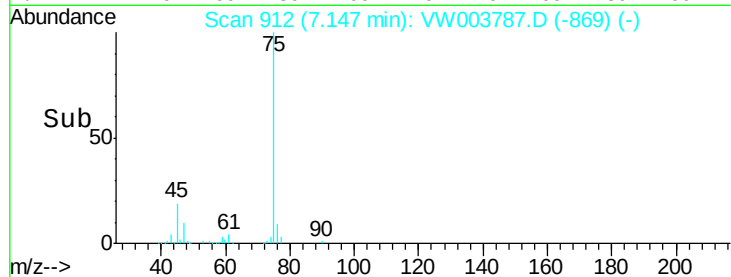
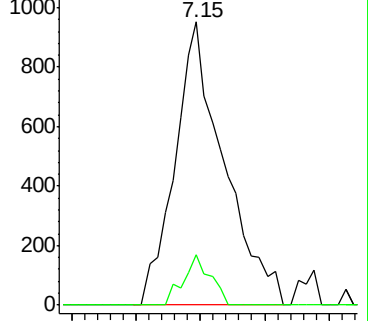
43 100

72 18.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 10.210 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW003787.D

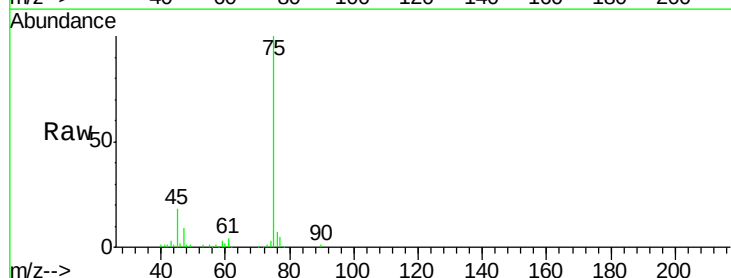
Acq: 09 Jul 2018 19:28

Tgt Ion: 77 Resp: 2891

Ion Ratio Lower Upper

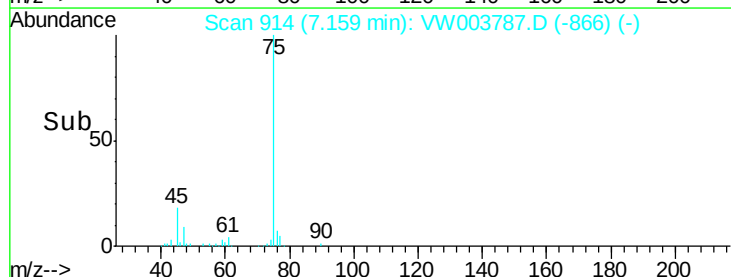
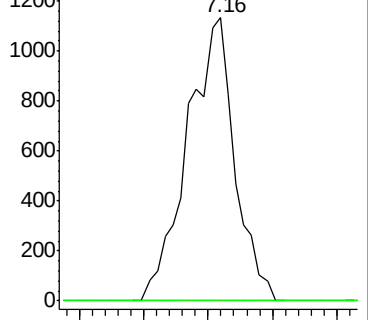
77 100

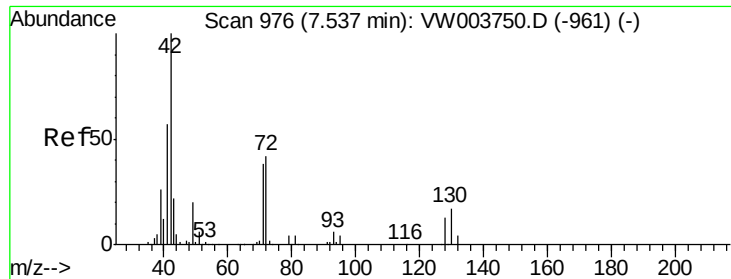
97 0.0 11.5 34.5#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#29

Tetrahydrofuran

Concen: 2.567 ug/l

RT: 7.54 min Scan# 976

Delta R.T. -0.00 min

Lab File: VW003787.D

Acq: 09 Jul 2018 19:28

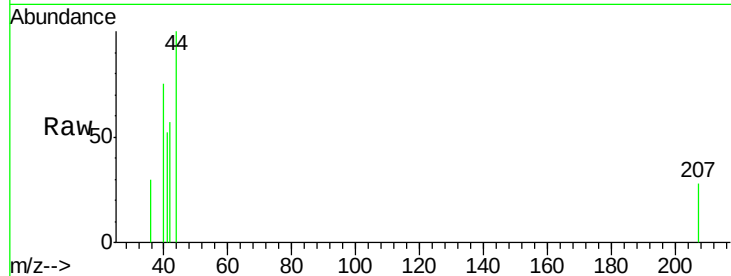
Instrument :

MSVOA_W

ClientSampled :

JC-SOIL

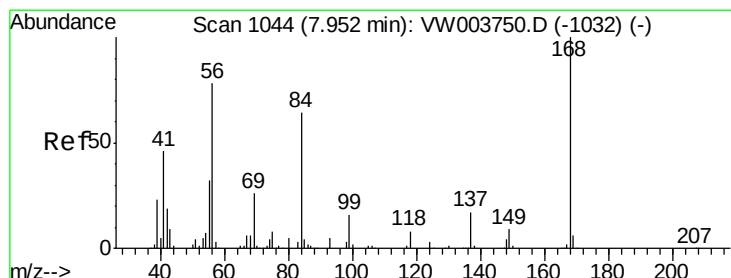
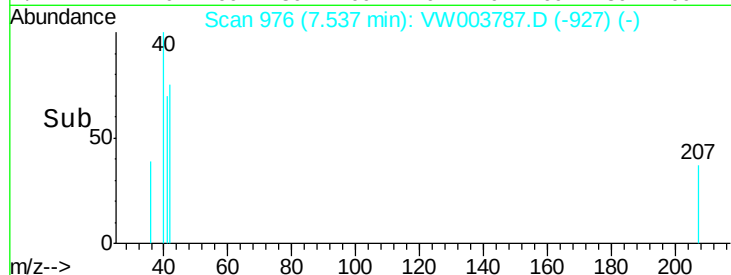
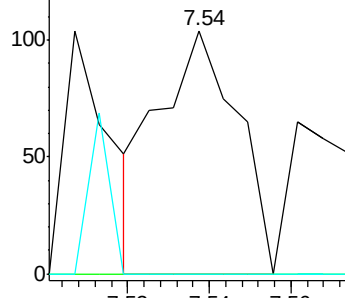
Tot Ion:	42	Resp:	141
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.8	47.8#
71	0.0	30.3	45.5#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.811 ug/l

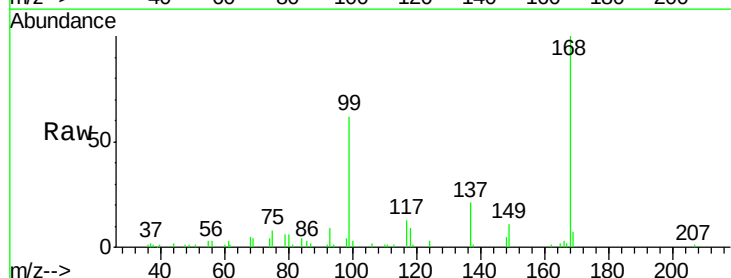
RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003787.D

Acq: 09 Jul 2018 19:28

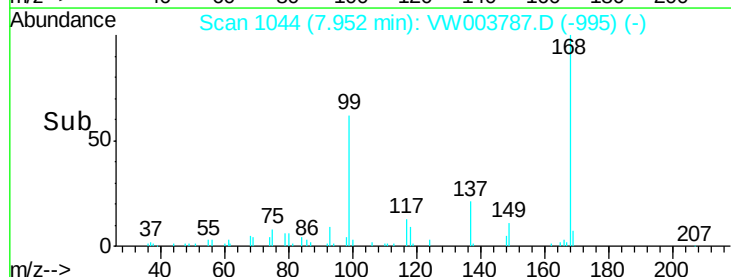
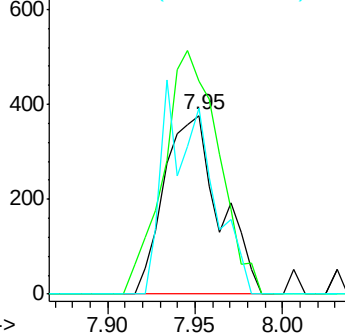
Tgt Ion:	56	Resp:	831
Ion	Ratio	Lower	Upper
56	100		
69	119.4	26.2	39.4#
84	104.3	65.5	98.3#

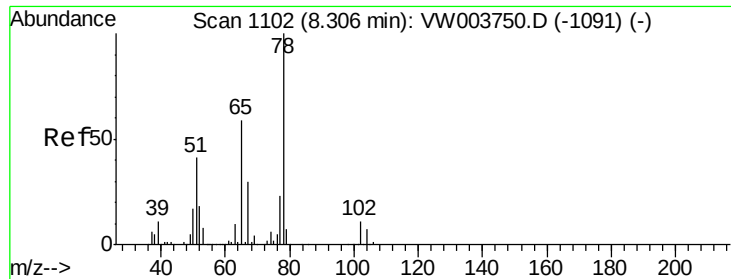


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

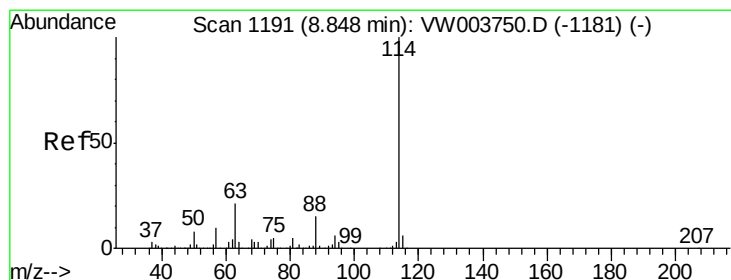
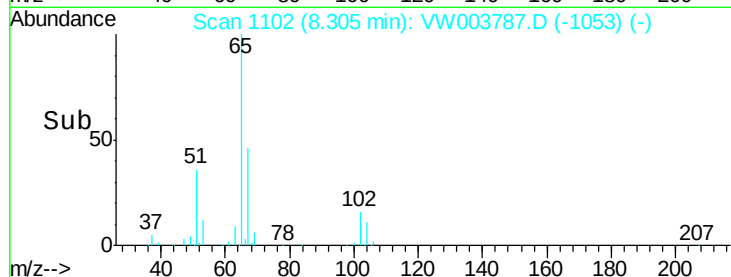
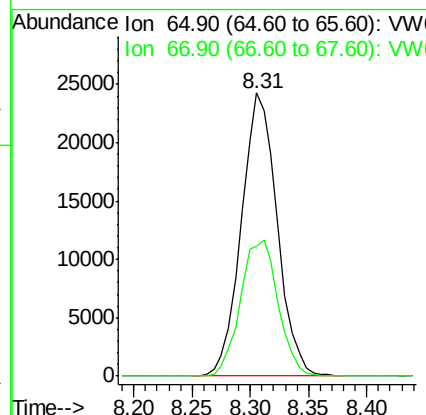
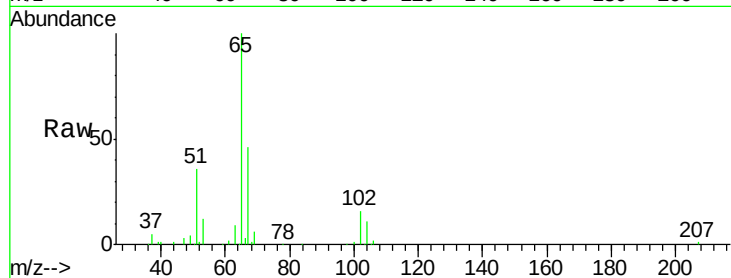




#33
 1,2-Dichloroethane-d4
 Concen: 164.987 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW003787.D
 Acq: 09 Jul 2018 19:28

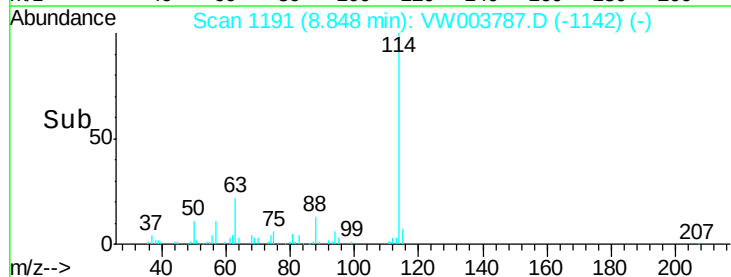
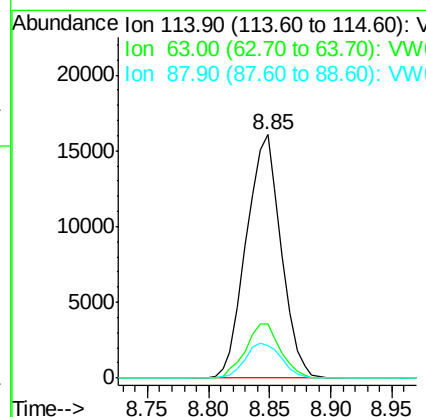
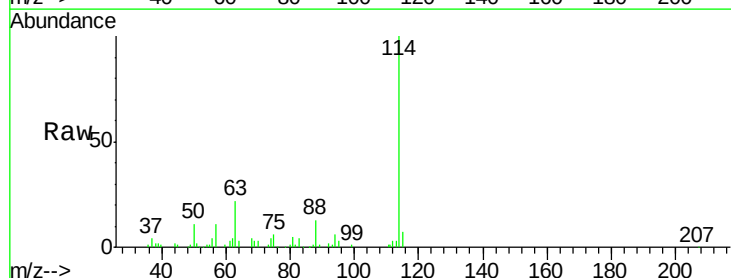
Instrument :
 MSVOA_W
 ClientSampled :
 JC-SOIL

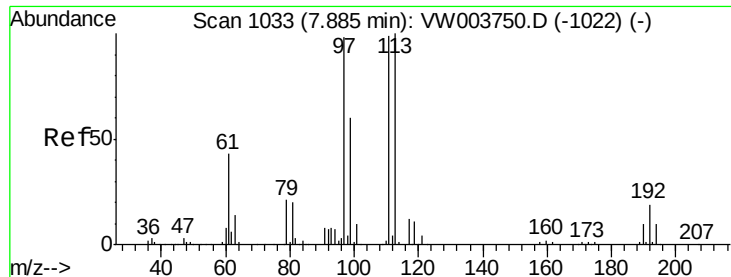
Tot Ion: 65 Resp: 51868
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003787.D
 Acq: 09 Jul 2018 19:28

Tgt Ion: 114 Resp: 31845
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 41.8
 88 13.3 0.0 30.2





#35

Dibromofluoromethane

Concen: 212.412 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003787.D

Acq: 09 Jul 2018 19:28

Instrument :

MSVOA_W

ClientSampled :

JC-SOIL

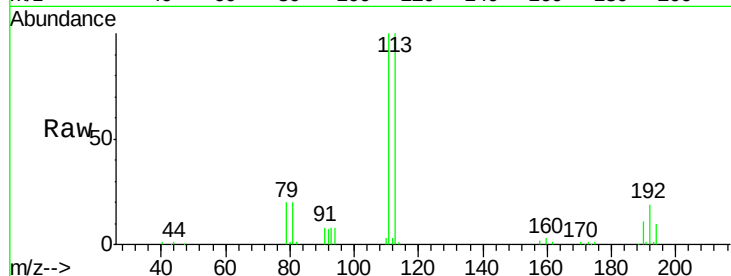
Tot Ion:113 Resp: 47342

Ion Ratio Lower Upper

113 100

111 102.1 81.7 122.5

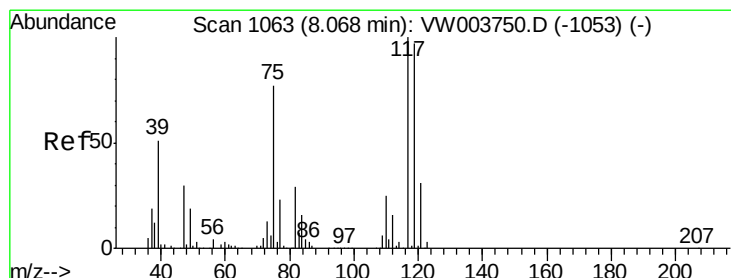
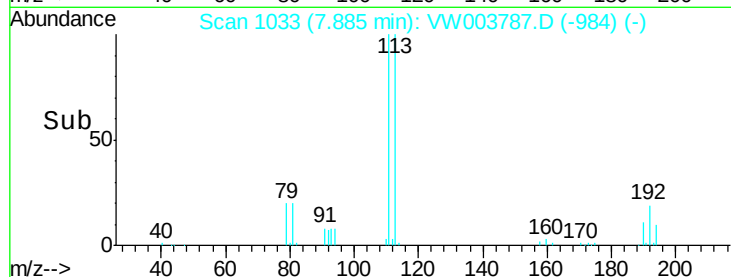
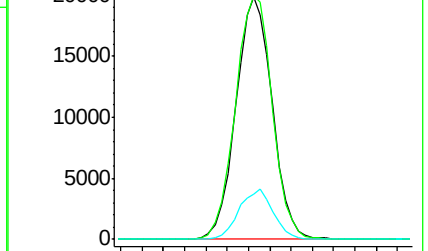
192 19.4 15.8 23.8



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



#38

Carbon Tetrachloride

Concen: 8.168 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003787.D

Acq: 09 Jul 2018 19:28

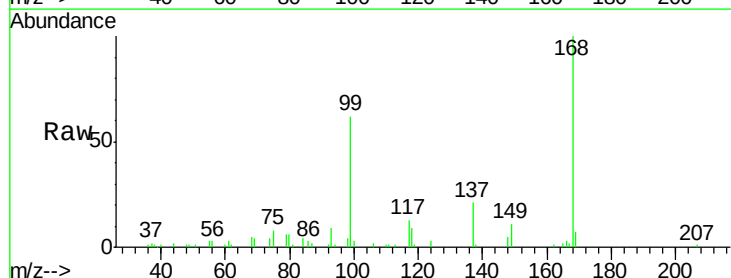
Tgt Ion:117 Resp: 2624

Ion Ratio Lower Upper

117 100

119 7.9 77.4 116.2#

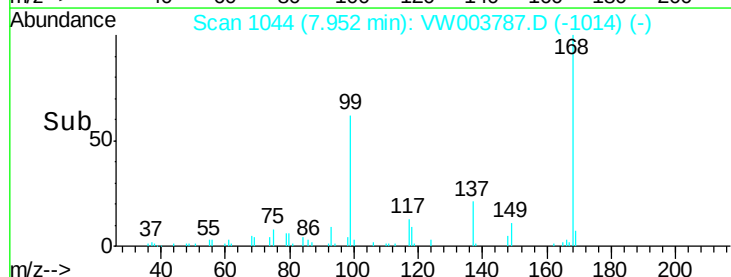
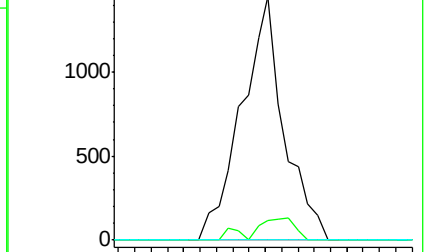
121 0.0 24.6 37.0#

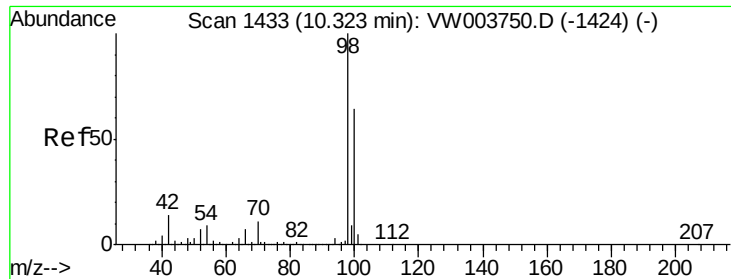


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

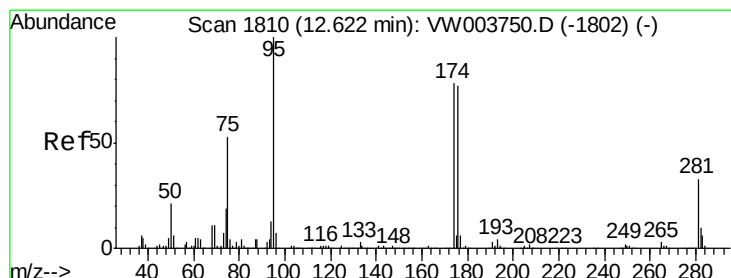
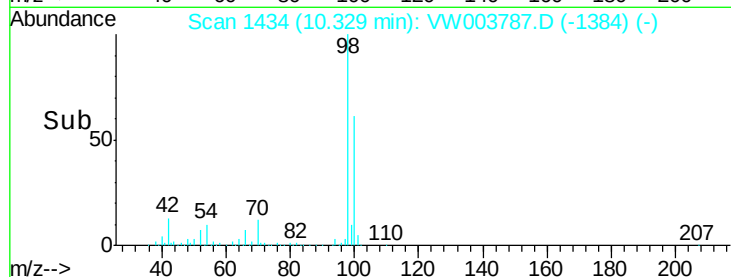
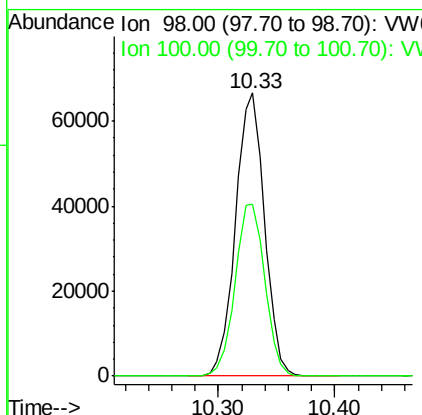
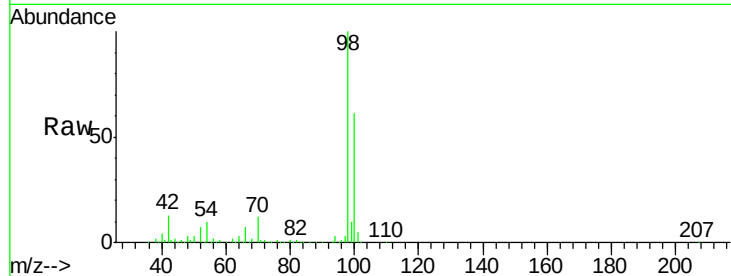




#50
Toluene-d8
Concen: 136.210 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003787.D
Acq: 09 Jul 2018 19:28

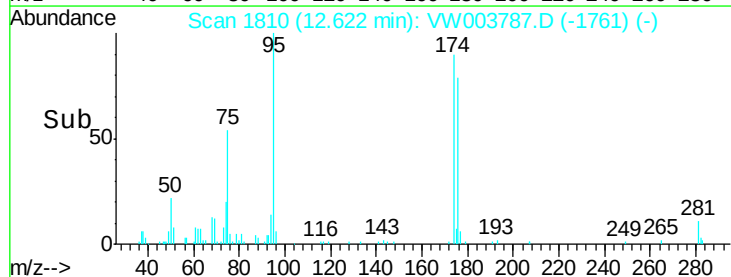
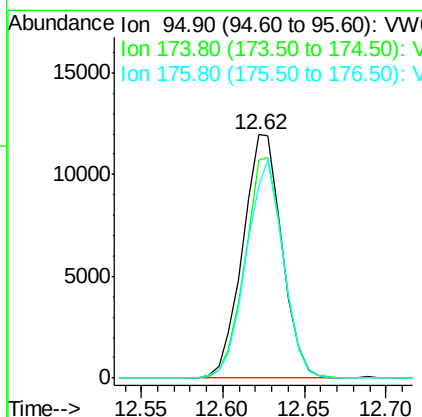
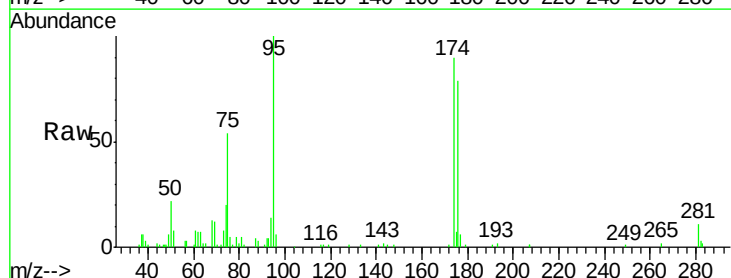
Instrument :
MSVOA_W
ClientSampleId :
JC-SOIL

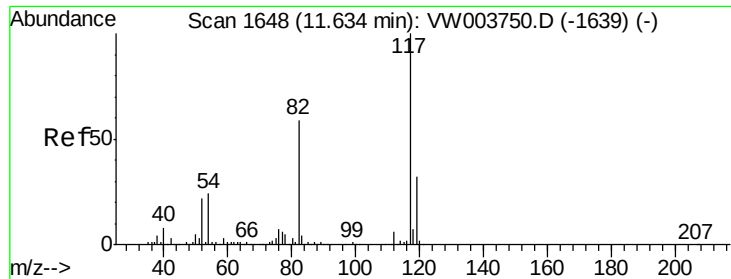
Tot Ion: 98 Resp: 116127
Ion Ratio Lower Upper
98 100
100 62.2 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 64.723 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003787.D
Acq: 09 Jul 2018 19:28

Tgt Ion: 95 Resp: 19965
Ion Ratio Lower Upper
95 100
174 88.7 0.0 163.4
176 84.3 0.0 156.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW003787.D

Acq: 09 Jul 2018 19:28

Instrument :

MSVOA_W

ClientSampleId :

JC-SOIL

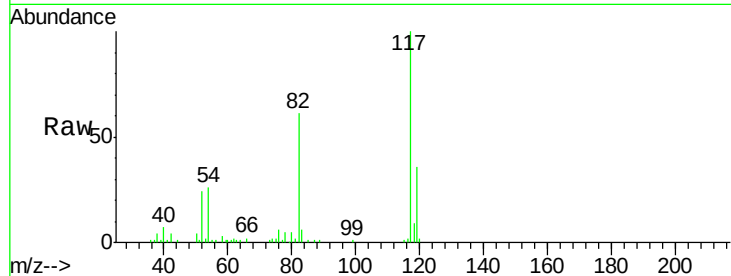
Tot Ion:117 Resp: 21364

Ion Ratio Lower Upper

117 100

82 61.3 46.9 70.3

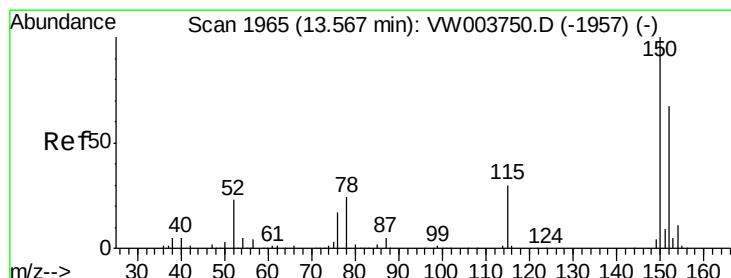
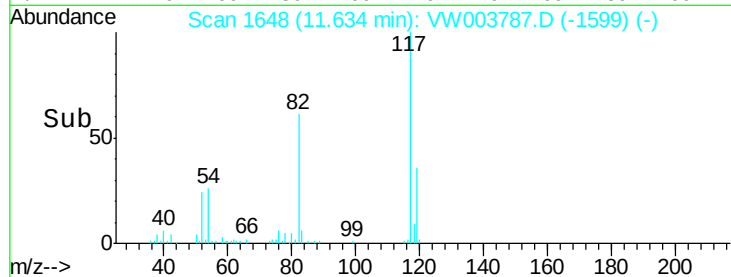
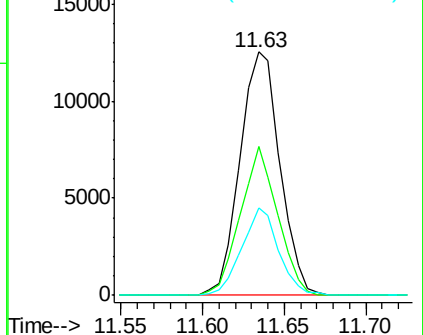
119 36.1 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003787.D

Acq: 09 Jul 2018 19:28

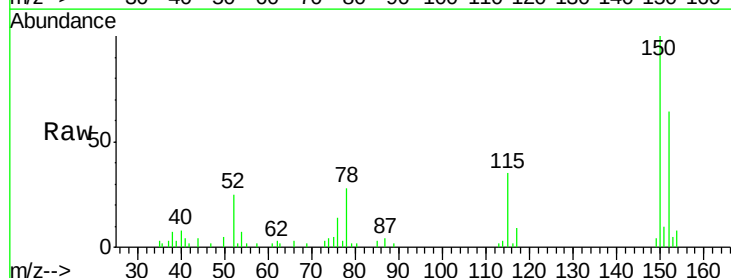
Tgt Ion:152 Resp: 4410

Ion Ratio Lower Upper

152 100

115 56.0 28.9 86.8

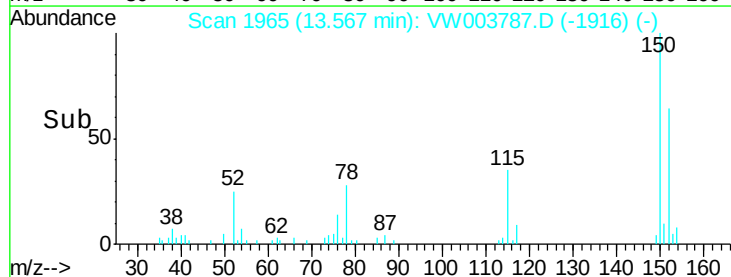
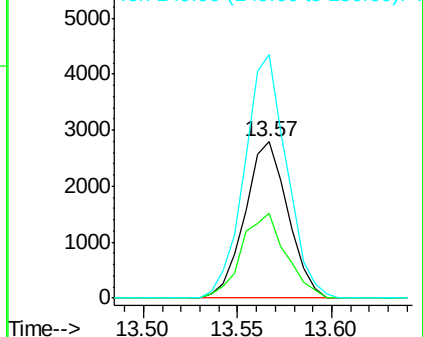
150 153.4 0.0 342.4

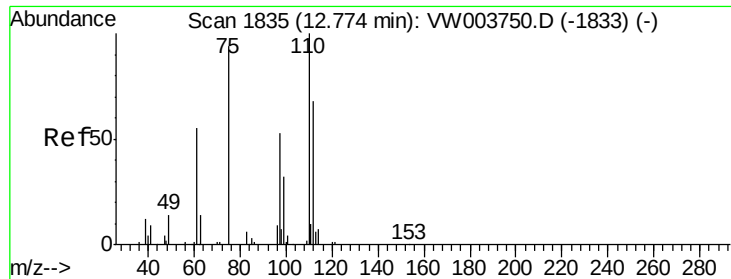


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 263.223 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW003787.D

Acq: 09 Jul 2018 19:28

Instrument :

MSVOA_W

ClientSampleId :

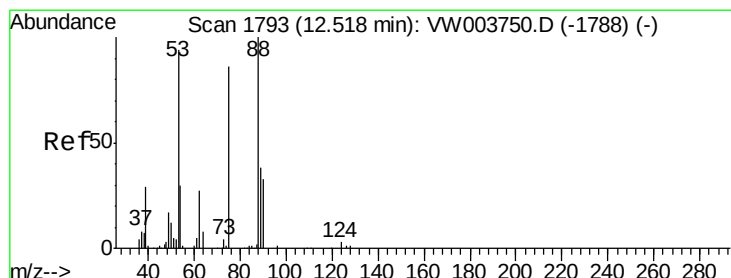
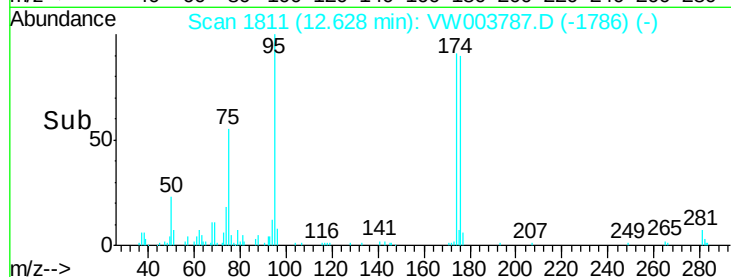
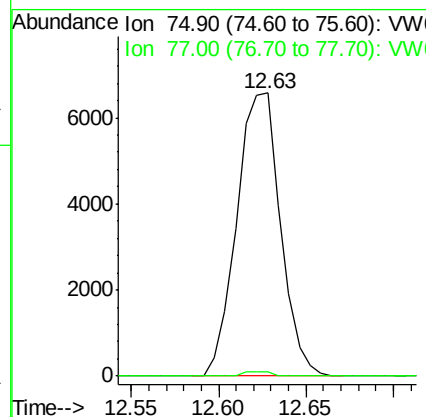
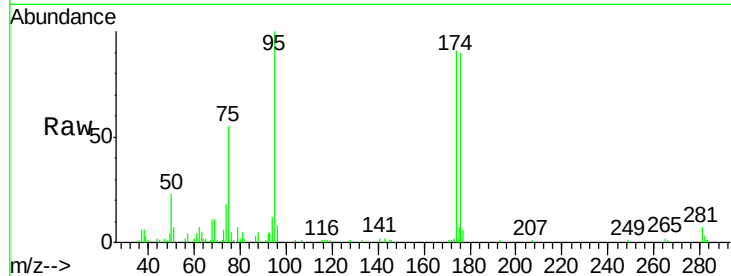
JC-SOIL

Tot Ion: 75 Resp: 11399

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 643.906 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW003787.D

Acq: 09 Jul 2018 19:28

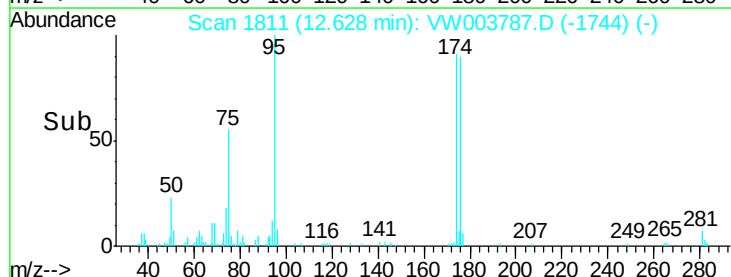
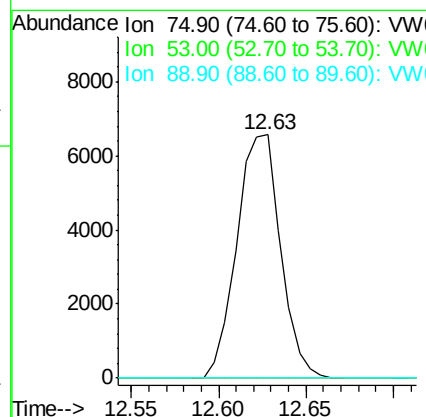
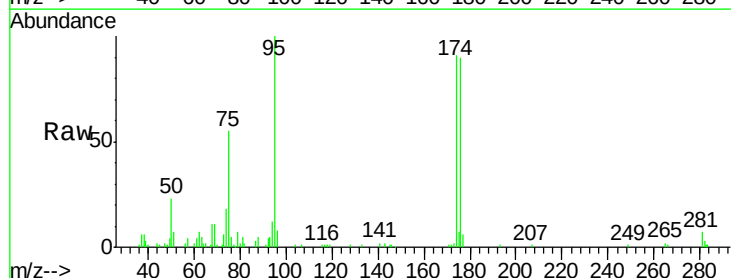
Tgt Ion: 75 Resp: 11399

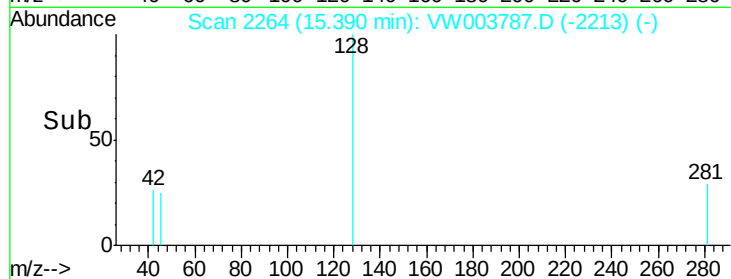
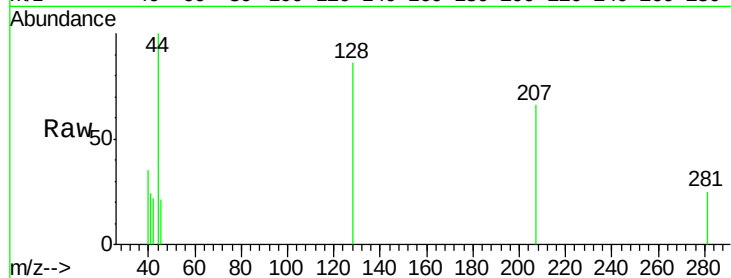
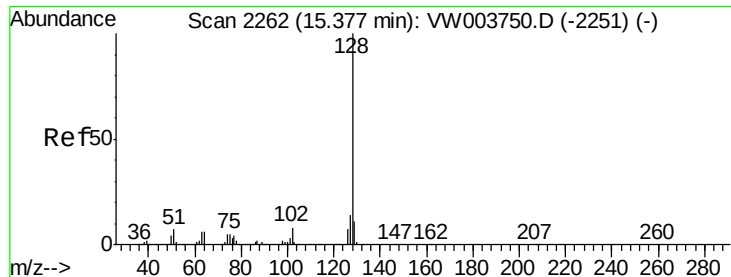
Ion Ratio Lower Upper

75 100

53 0.0 85.0 127.6#

89 0.0 36.3 54.5#





#95

Naphthalene

Concen: 1.975 ug/l

RT: 15.39 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VW003787.D

Acq: 09 Jul 2018 19:28

Instrument :

MSVOA_W

ClientSampleId :

JC-SOIL

Tot Ion:128 Resp: 323

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.6 13.0#

