

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002539.D
 Acq On : 15 May 2018 03:56
 Operator : JC/SY
 Sample : J2870-05
 Misc : 6.88G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CONCRETE-RUBBLE-PILE-B

Quant Time: May 15 07:33:12 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	38431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	59560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	54680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	24181	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	20438	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
35) Dibromofluoromethane	7.88	113	17723	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
50) Toluene-d8	10.33	98	52448	36.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.96%	
62) 4-Bromofluorobenzene	12.63	95	18290	34.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.58%	

Target Compounds

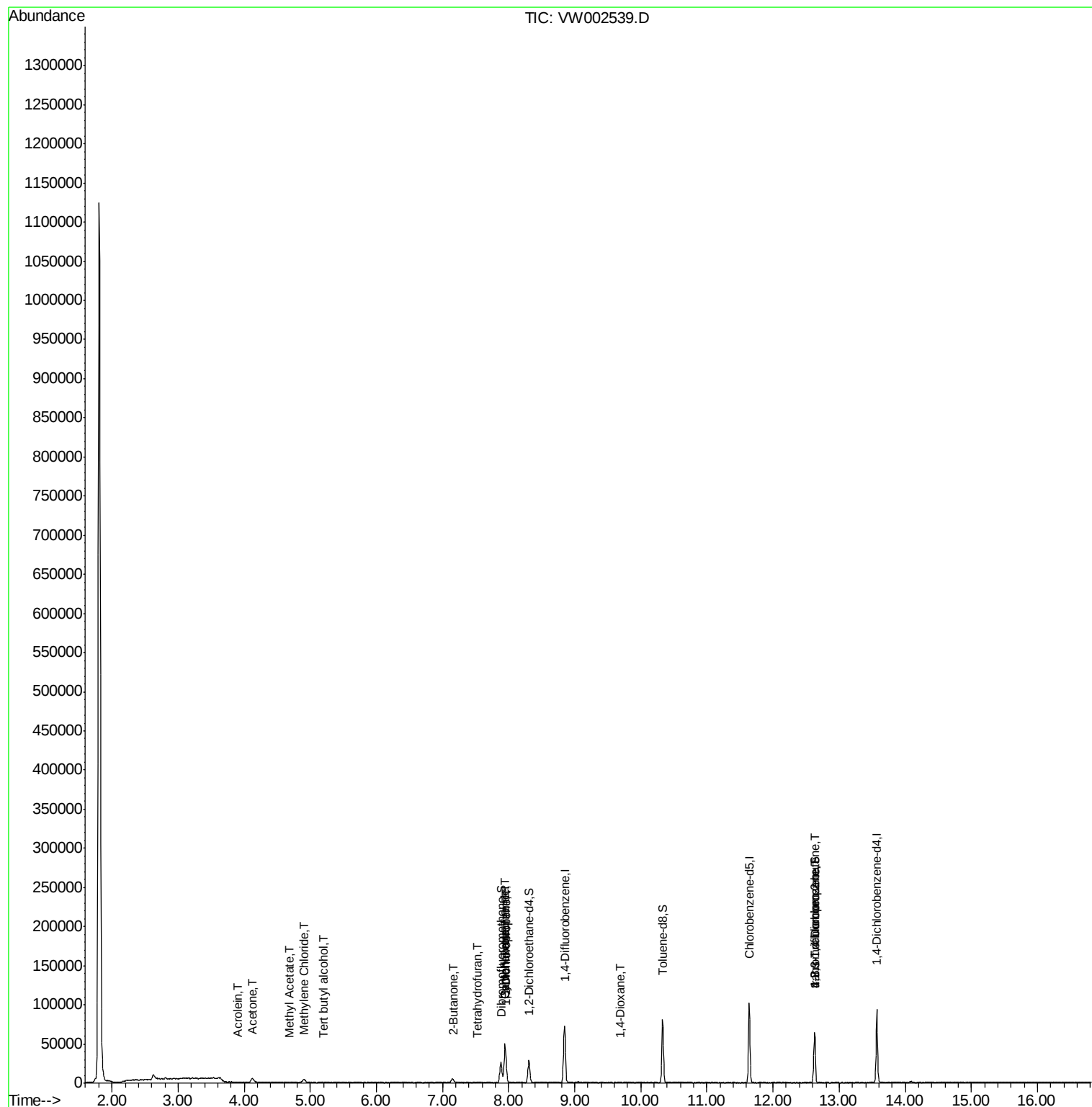
						Qvalue
11) Tert butyl alcohol	5.20	59	160	5.24	ug/l #	72
13) Acrolein	3.90	56	100	3.33	ug/l #	14
16) Acetone	4.12	43	9058	108.04	ug/l	95
18) Methyl Acetate	4.68	43	407	1.67	ug/l #	51
20) Methylene Chloride	4.91	84	2557	5.20	ug/l #	81
25) 2-Butanone	7.17	43	277	2.34	ug/l #	52
29) Tetrahydrofuran	7.53	42	195	2.63	ug/l #	44
31) Cyclohexane	7.95	56	793	1.41	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	3186	6.06	ug/l #	53
38) Carbon Tetrachloride	7.95	117	3648	7.09	ug/l #	18
49) 1,4-Dioxane	9.70	88	20	5.48	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	9826	42.99	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	9826	117.21	ug/l #	8

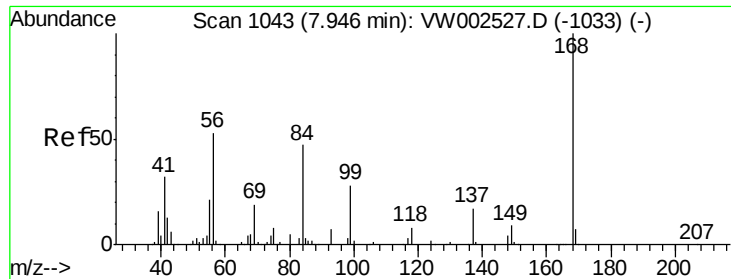
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002539.D

Acq: 15 May 2018 03:56

Instrument :

MSVOA_W

ClientSampleId :

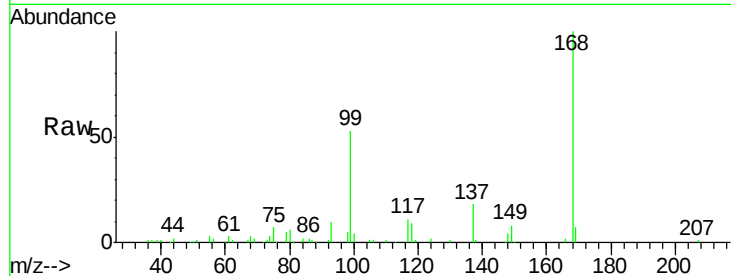
CONCRETE-RUBBLE-PILE-B

Tgt Ion:168 Resp: 38431

Ion Ratio Lower Upper

168 100

99 52.9 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

20000

15000

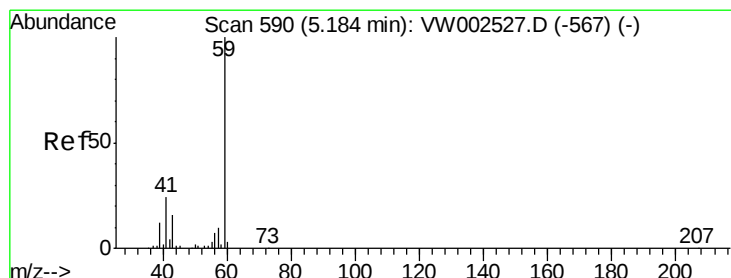
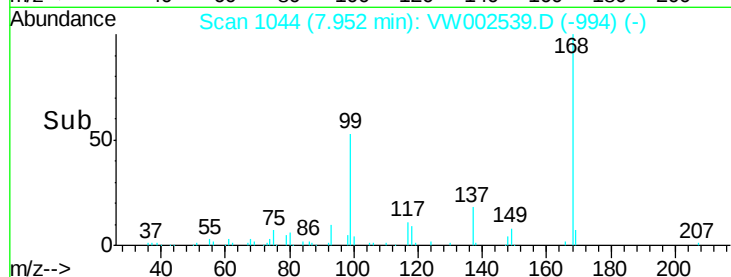
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 5.24 ug/l

RT: 5.20 min Scan# 592

Delta R.T. 0.01 min

Lab File: VW002539.D

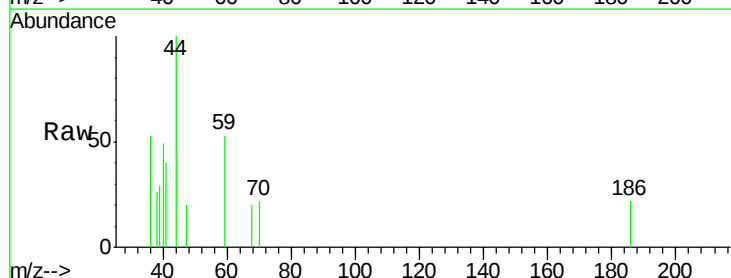
Acq: 15 May 2018 03:56

Tgt Ion: 59 Resp: 160

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

150

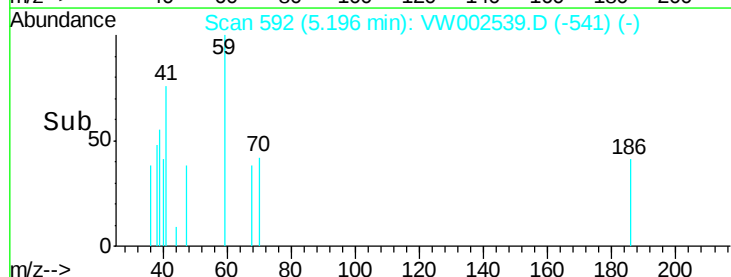
100

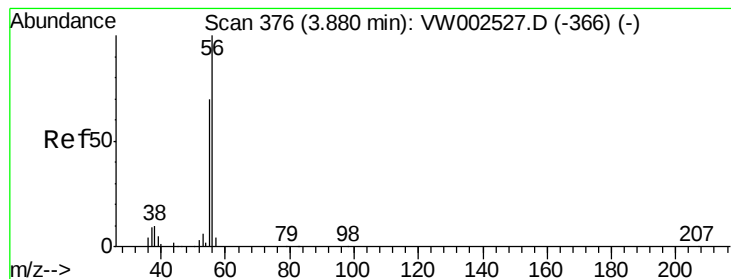
50

0

5.16 5.18 5.20 5.22

Time-->





#13

Acrolein

Concen: 3.33 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.02 min

Lab File: VW002539.D

Acq: 15 May 2018 03:56

Instrument :

MSVOA_W

ClientSampleId :

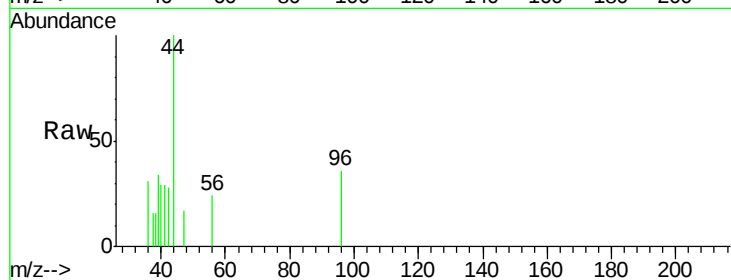
CONCRETE-RUBBLE-PILE-B

Tgt Ion: 56 Resp: 100

Ion Ratio Lower Upper

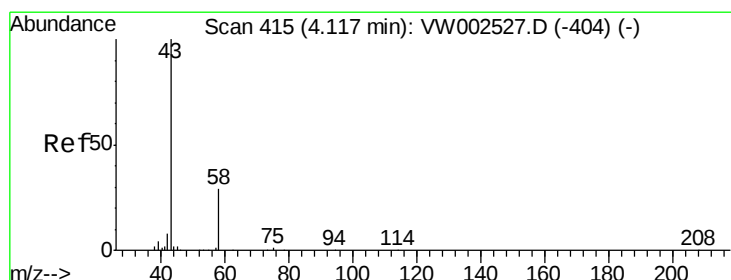
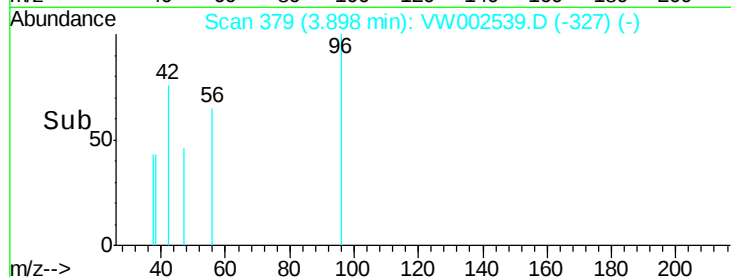
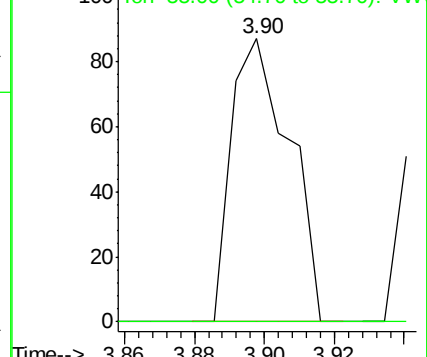
56 100

55 0.0 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 108.04 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW002539.D

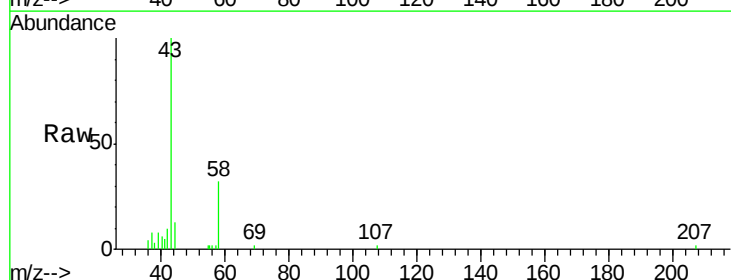
Acq: 15 May 2018 03:56

Tgt Ion: 43 Resp: 9058

Ion Ratio Lower Upper

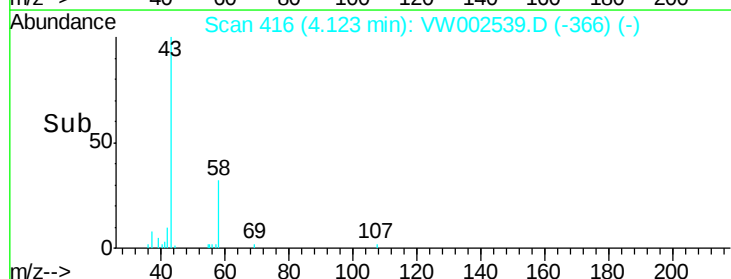
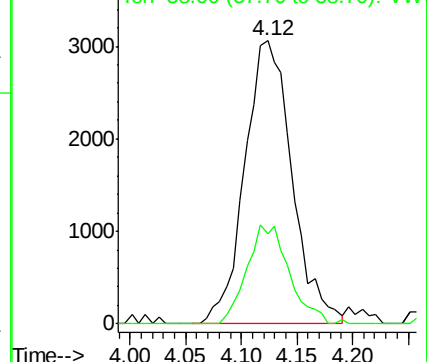
43 100

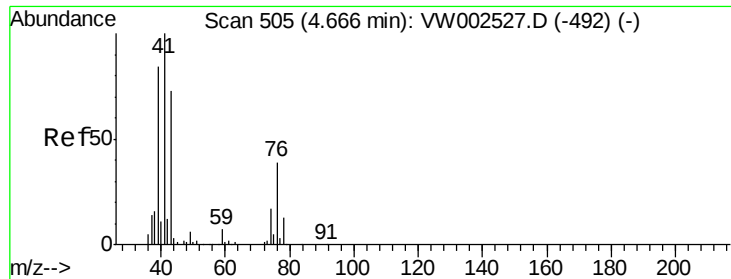
58 31.7 23.4 35.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

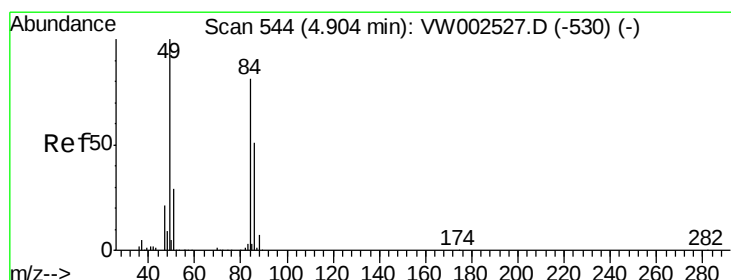
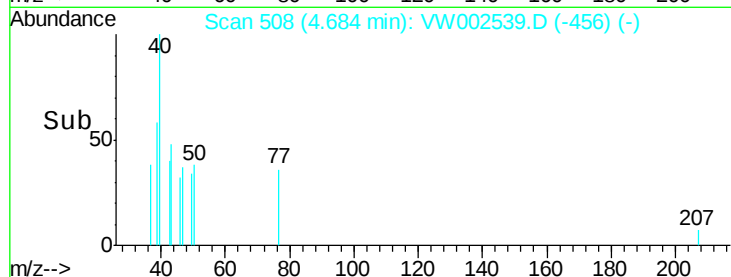
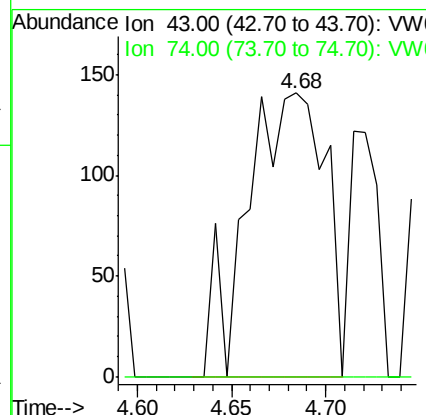
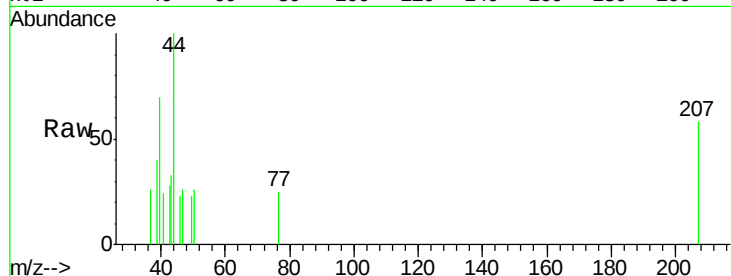




#18
Methyl Acetate
Concen: 1.67 ug/l
RT: 4.68 min Scan# 508
Delta R.T. 0.02 min
Lab File: VW002539.D
Acq: 15 May 2018 03:56

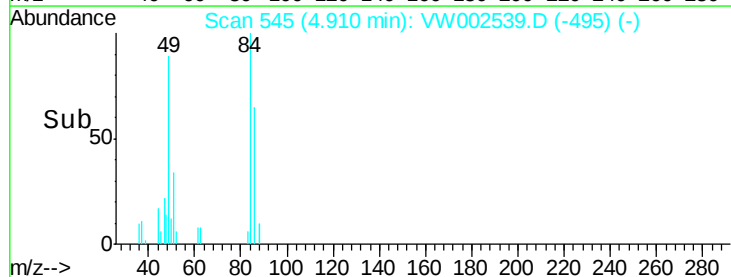
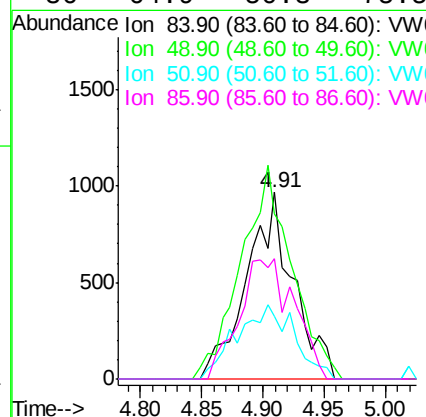
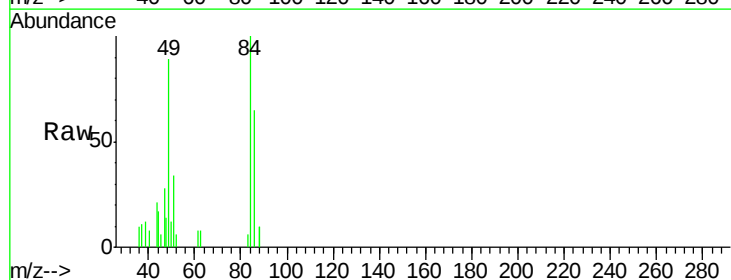
Instrument :
MSVOA_W
ClientSampleId :
CONCRETE-RUBBLE-PILE-B

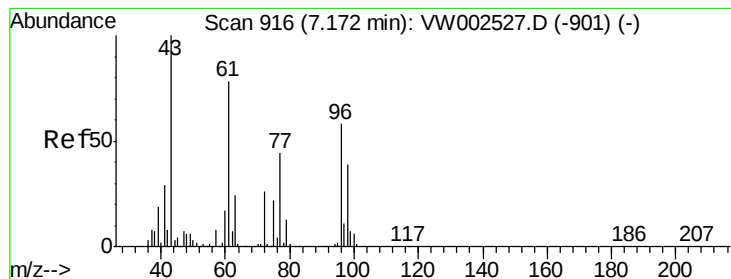
Tgt Ion: 43 Resp: 407
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#20
Methylene Chloride
Concen: 5.20 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.01 min
Lab File: VW002539.D
Acq: 15 May 2018 03:56

Tgt Ion: 84 Resp: 2557
Ion Ratio Lower Upper
84 100
49 88.7 99.4 149.0#
51 33.8 29.0 43.6
86 64.9 50.3 75.5





#25

2-Butanone

Concen: 2.34 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW002539.D

Acq: 15 May 2018 03:56

Instrument :

MSVOA_W

ClientSampleId :

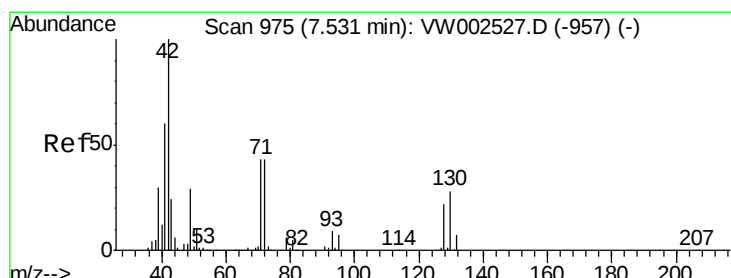
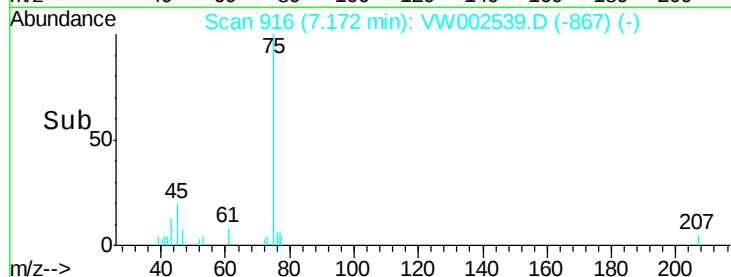
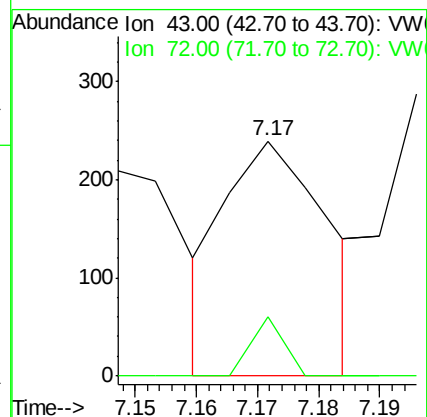
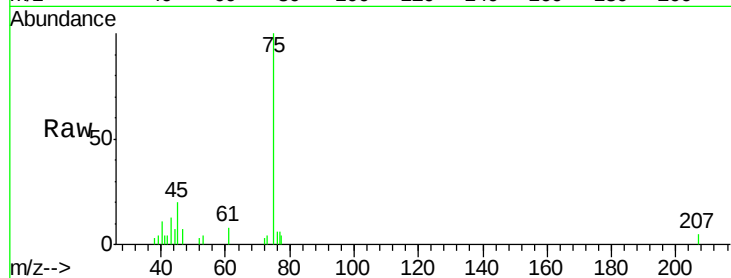
CONCRETE-RUBBLE-PILE-B

Tgt Ion: 43 Resp: 277

Ion Ratio Lower Upper

43 100

72 50.4 20.9 31.3#



#29

Tetrahydrofuran

Concen: 2.63 ug/l

RT: 7.53 min Scan# 974

Delta R.T. -0.01 min

Lab File: VW002539.D

Acq: 15 May 2018 03:56

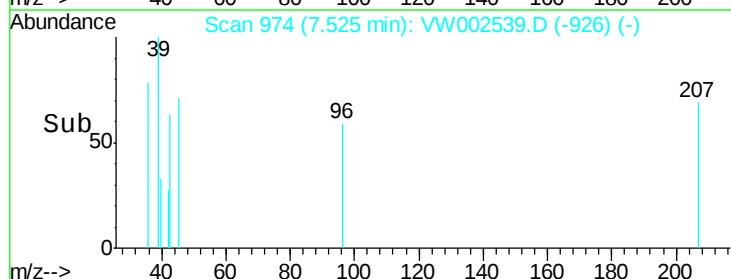
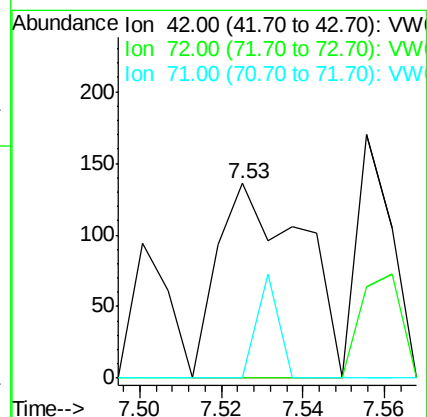
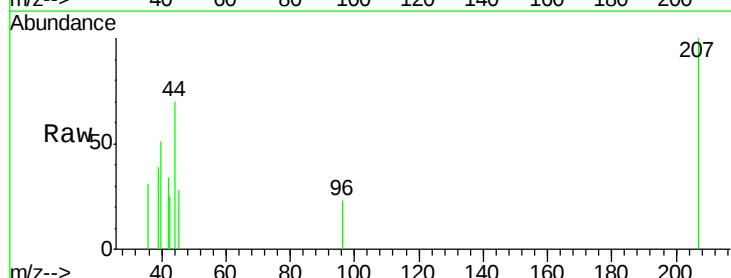
Tgt Ion: 42 Resp: 195

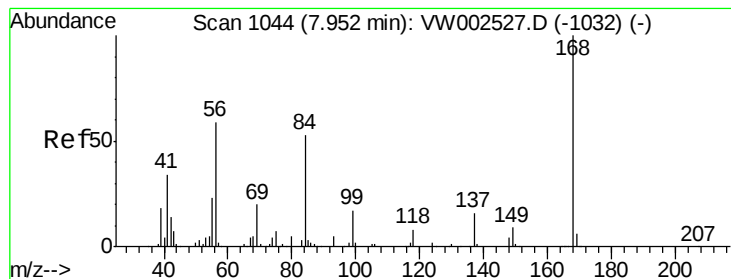
Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.4#

71 13.8 33.0 49.6#





#31

Cyclohexane

Concen: 1.41 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW002539.D

Acq: 15 May 2018 03:56

Instrument :

MSVOA_W

ClientSampleId :

CONCRETE-RUBBLE-PILE-B

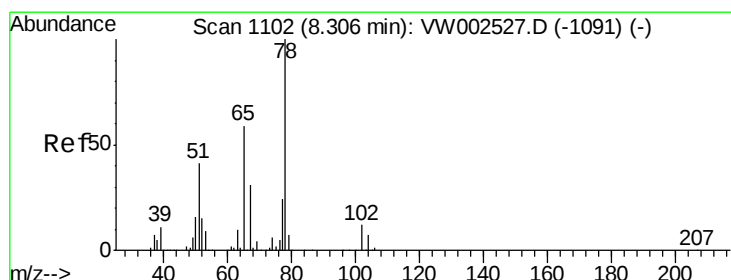
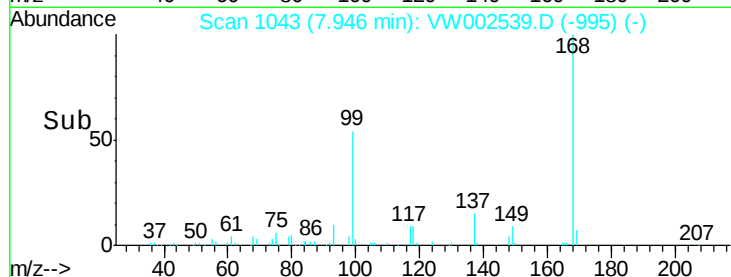
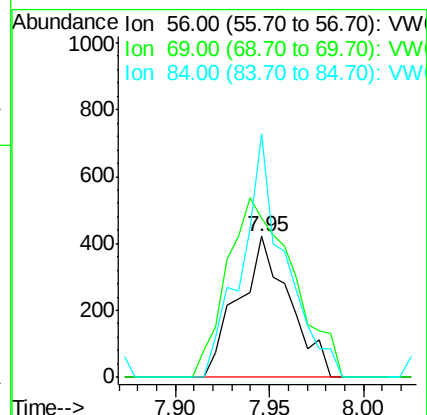
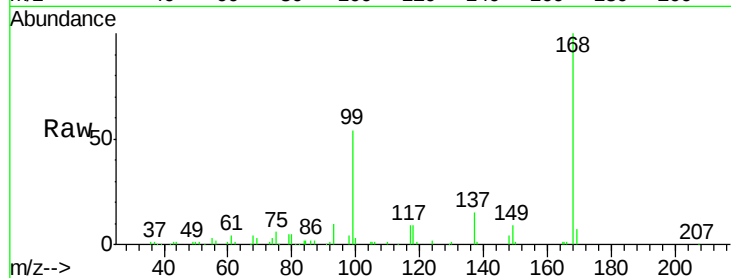
Tgt Ion: 56 Resp: 793

Ion Ratio Lower Upper

56 100

69 113.3 27.0 40.4#

84 172.9 72.2 108.2#



#33

1,2-Dichloroethane-d4

Concen: 51.46 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW002539.D

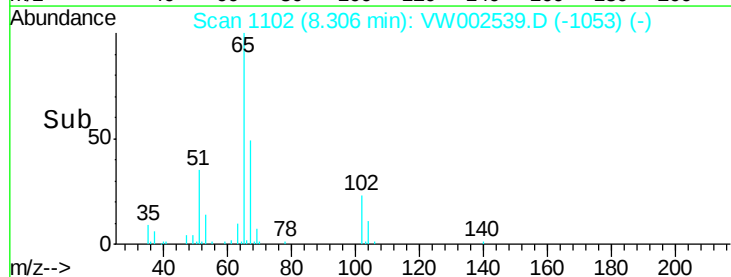
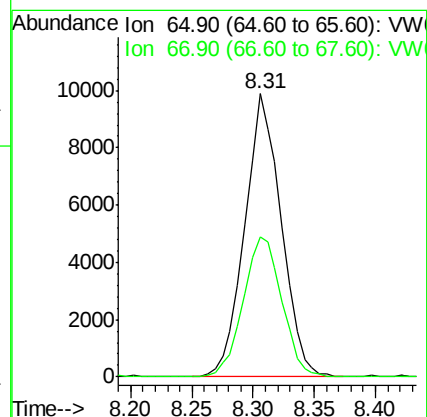
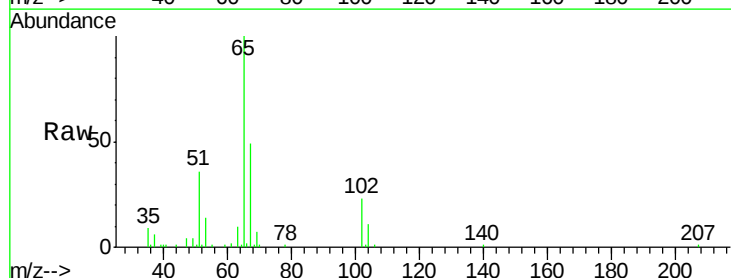
Acq: 15 May 2018 03:56

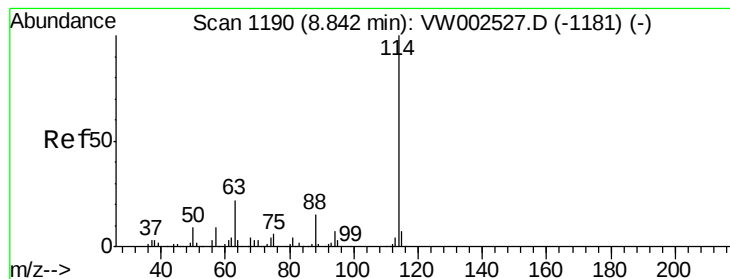
Tgt Ion: 65 Resp: 20438

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VW002539.D

Acq: 15 May 2018 03:56

Instrument :

MSVOA_W

ClientSampleId :

CONCRETE-RUBBLE-PILE-B

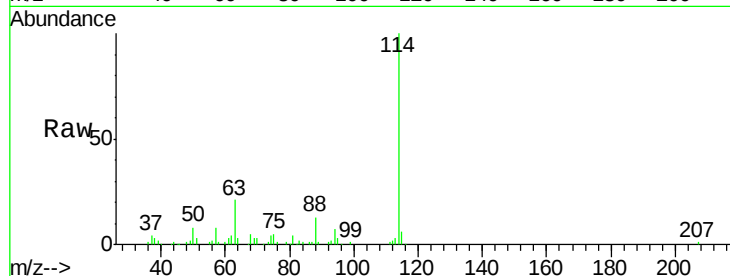
Tgt Ion:114 Resp: 59560

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

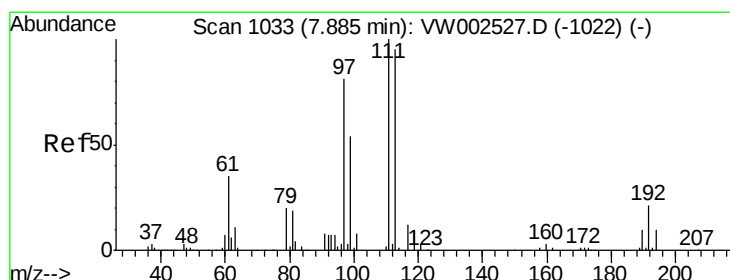
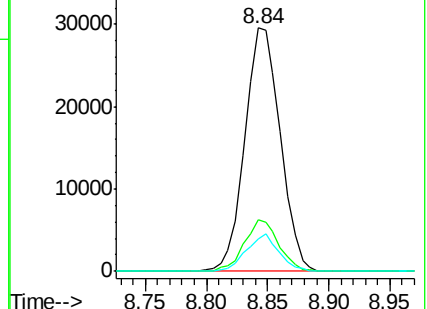
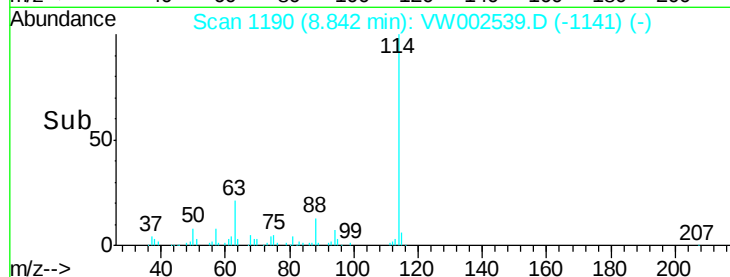
88 13.5 0.0 29.2



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: 46.91 ug/l

RT: 7.88 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VW002539.D

Acq: 15 May 2018 03:56

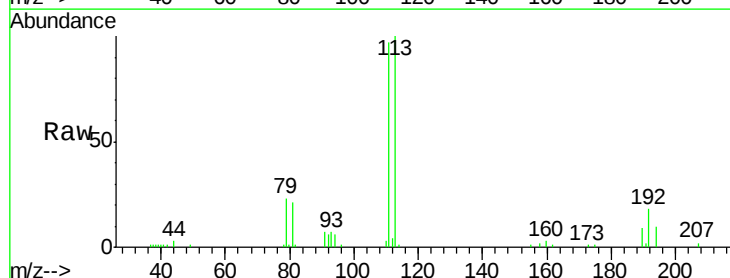
Tgt Ion:113 Resp: 17723

Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.8

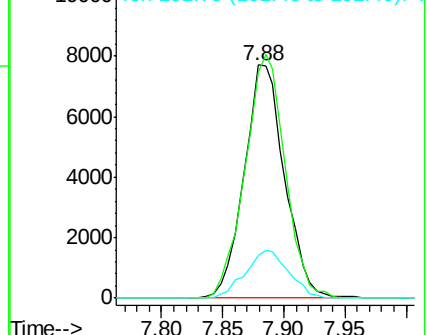
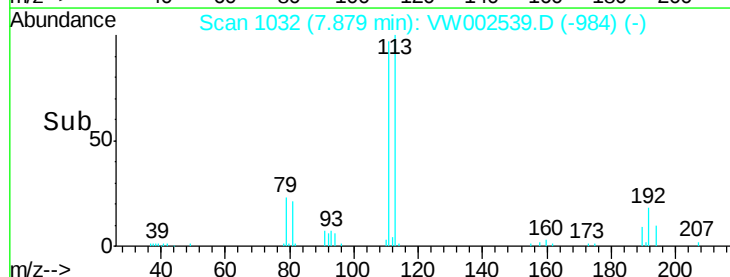
192 22.0 17.5 26.3

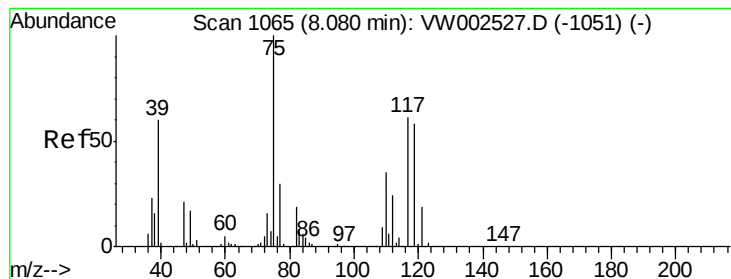


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 6.06 ug/l

RT: 7.96 min Scan# 1046

Delta R.T. -0.12 min

Lab File: VW002539.D

Acq: 15 May 2018 03:56

Instrument :

MSVOA_W

ClientSampleId :

CONCRETE-RUBBLE-PILE-B

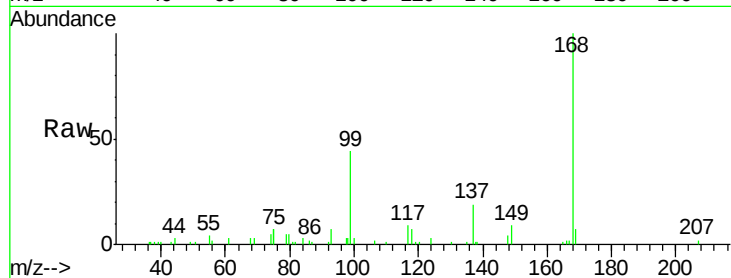
Tgt Ion: 75 Resp: 3186

Ion Ratio Lower Upper

75 100

110 13.1 17.8 53.5#

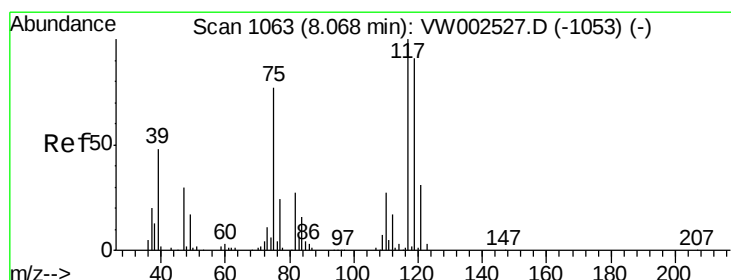
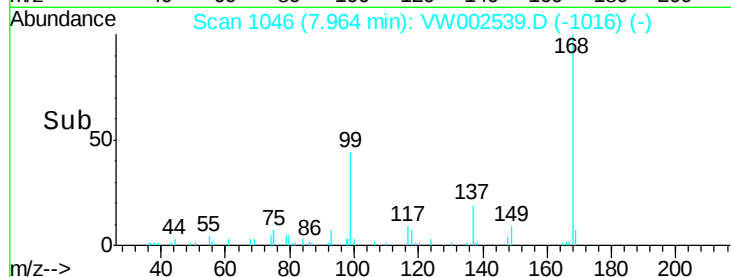
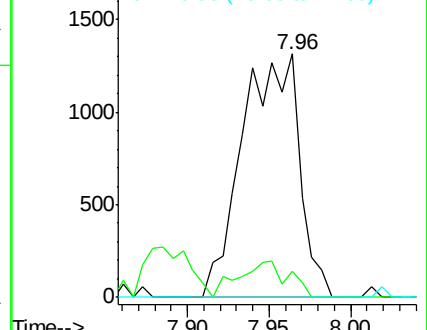
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 7.09 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW002539.D

Acq: 15 May 2018 03:56

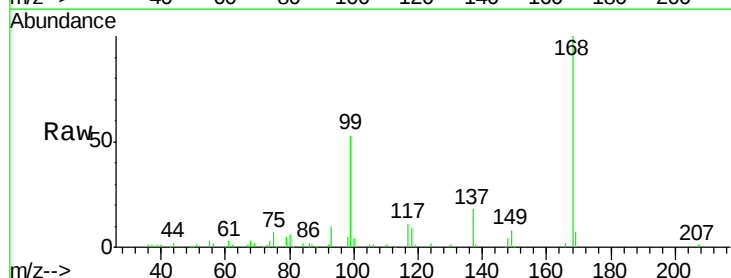
Tgt Ion: 117 Resp: 3648

Ion Ratio Lower Upper

117 100

119 4.7 73.1 109.7#

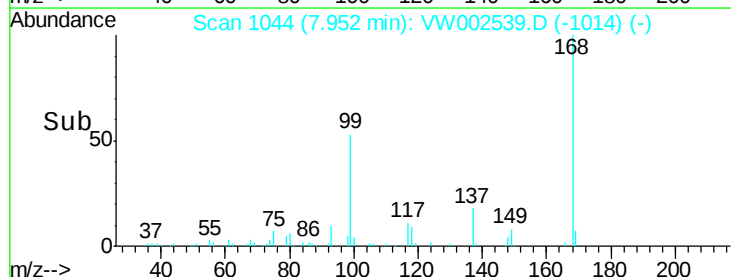
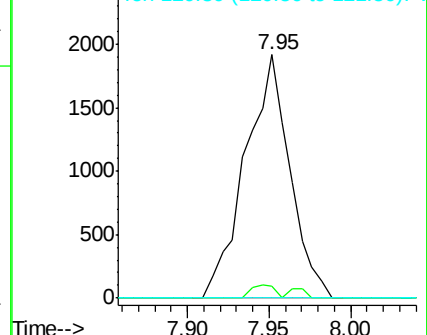
121 0.0 24.4 36.6#

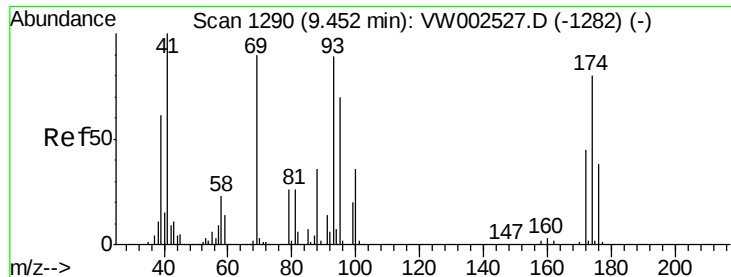


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 5.48 ug/l

RT: 9.70 min Scan# 1331

Delta R.T. 0.25 min

Lab File: VW002539.D

Acq: 15 May 2018 03:56

Instrument :

MSVOA_W

ClientSampleId :

CONCRETE-RUBBLE-PILE-B

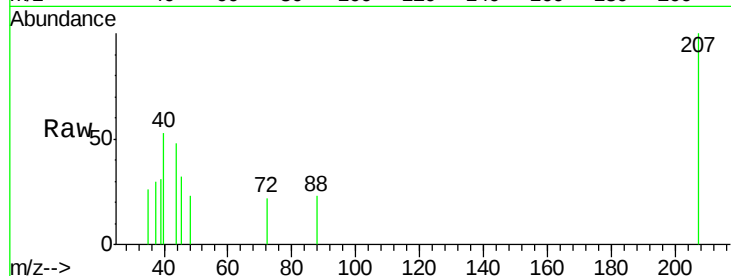
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 160.0 27.0 40.4#

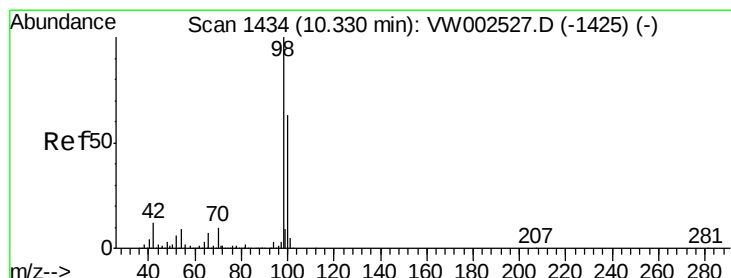
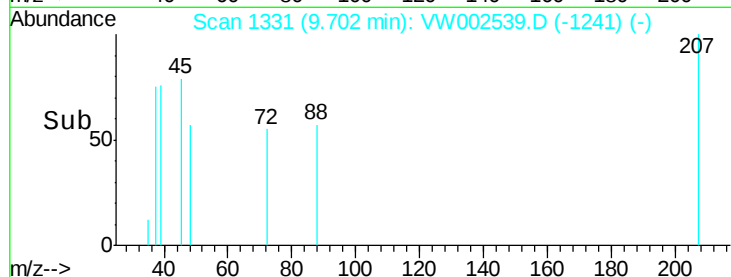
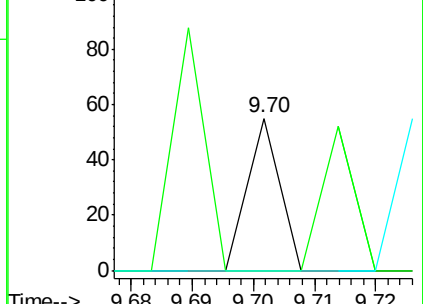
58 0.0 56.9 85.3#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 36.48 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW002539.D

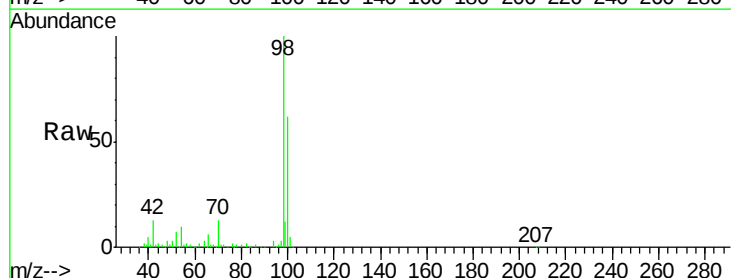
Acq: 15 May 2018 03:56

Tgt Ion: 98 Resp: 52448

Ion Ratio Lower Upper

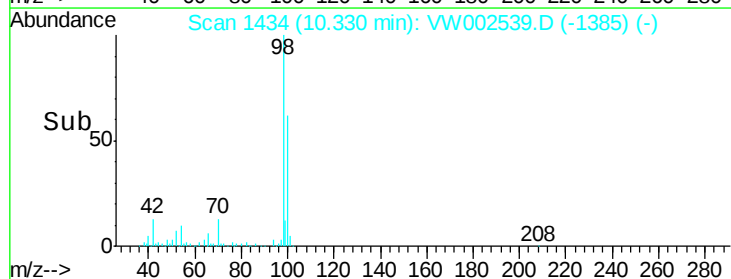
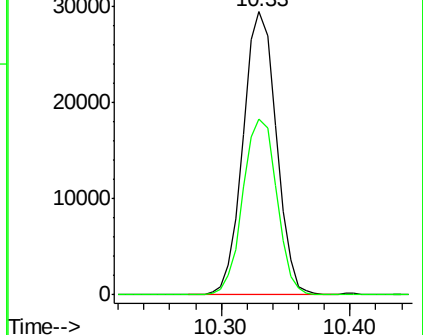
98 100

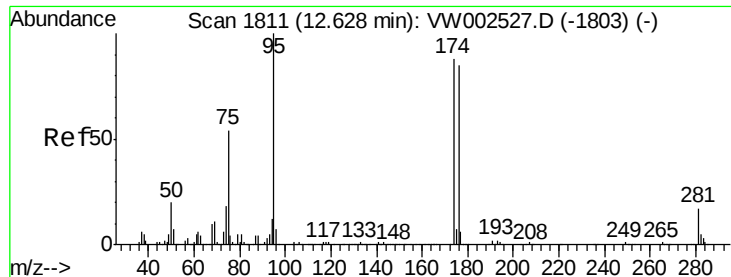
100 63.2 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

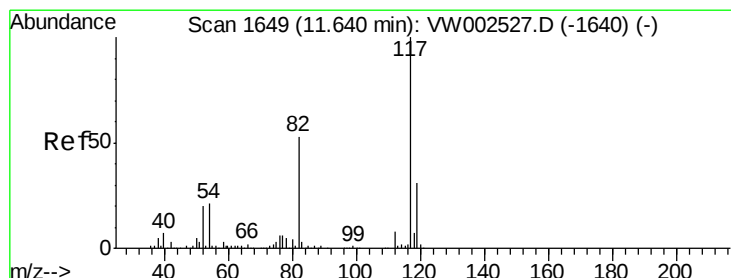
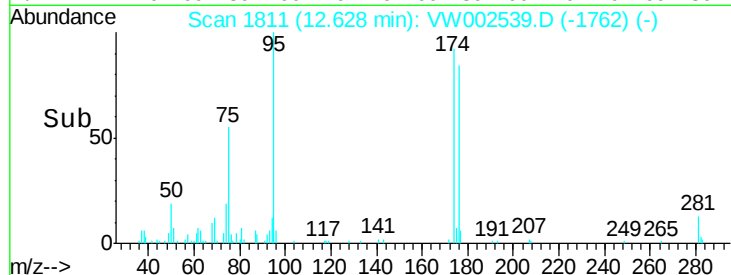
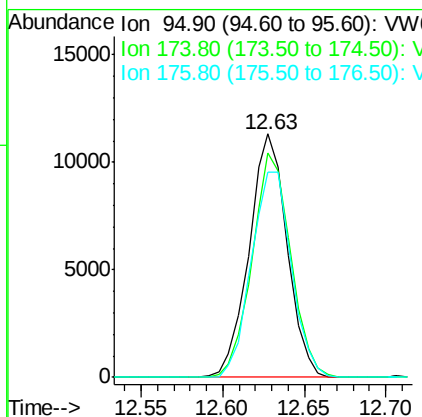
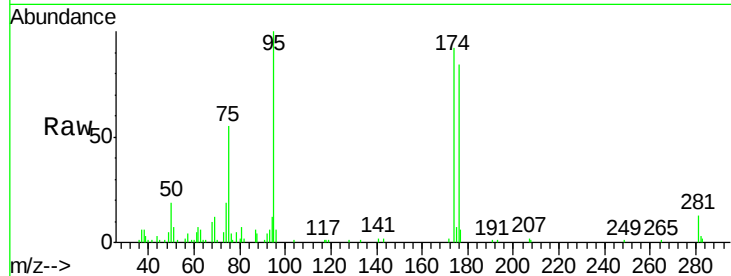




#62
4-Bromofluorobenzene
Concen: 34.79 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW002539.D
Acq: 15 May 2018 03:56

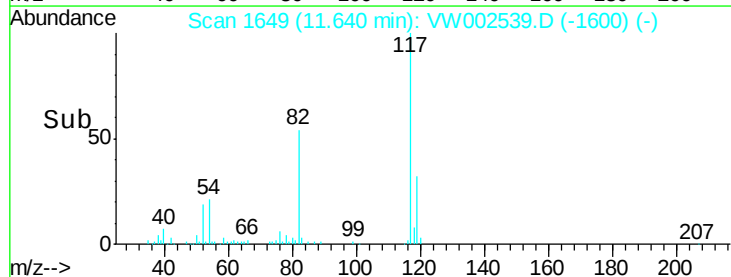
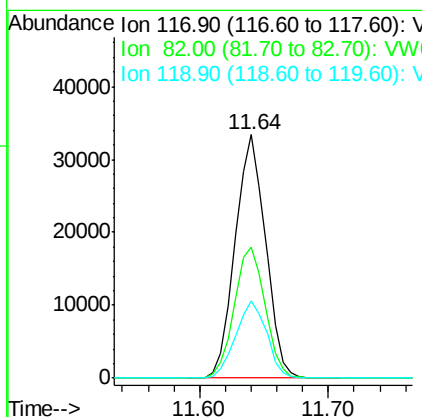
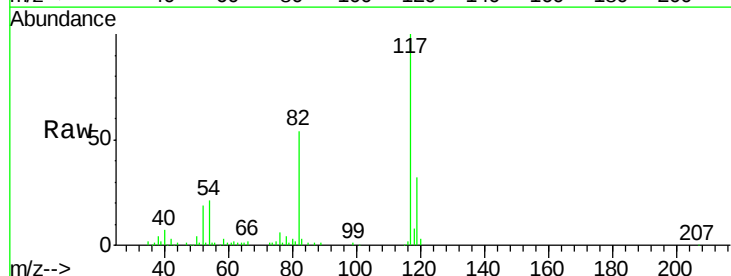
Instrument :
MSVOA_W
ClientSampleId :
CONCRETE-RUBBLE-PILE-B

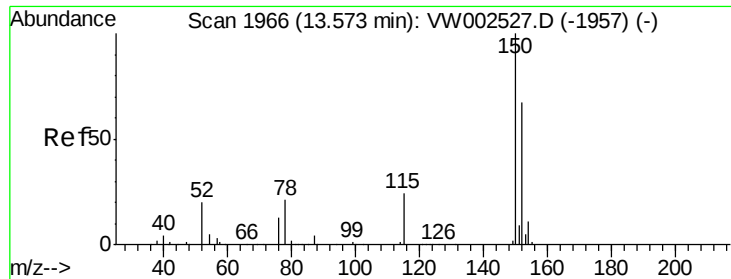
Tgt Ion: 95 Resp: 18290
Ion Ratio Lower Upper
95 100
174 93.0 0.0 176.6
176 89.3 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW002539.D
Acq: 15 May 2018 03:56

Tgt Ion: 117 Resp: 54680
Ion Ratio Lower Upper
117 100
82 53.6 42.6 64.0
119 31.6 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VW002539.D

Acq: 15 May 2018 03:56

Instrument :

MSVOA_W

ClientSampleId :

CONCRETE-RUBBLE-PILE-B

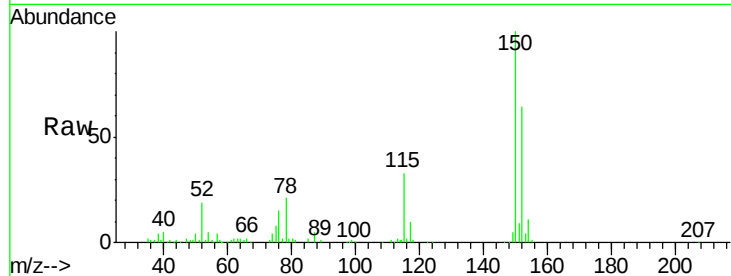
Tgt Ion:152 Resp: 24181

Ion Ratio Lower Upper

152 100

115 57.8 28.0 84.0

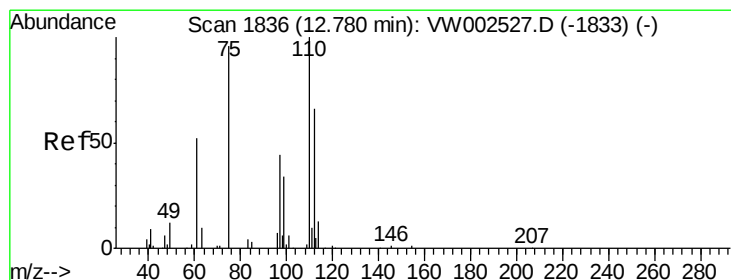
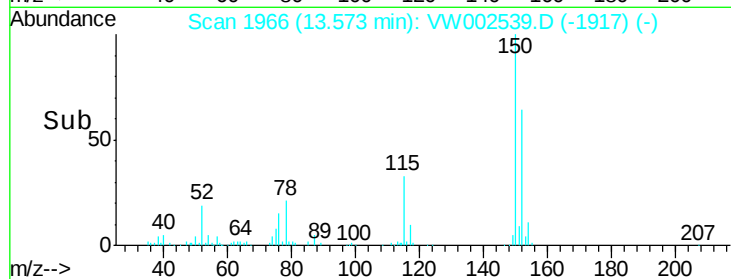
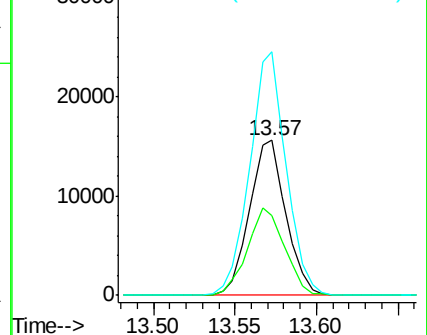
150 157.4 0.0 345.4



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: 42.99 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002539.D

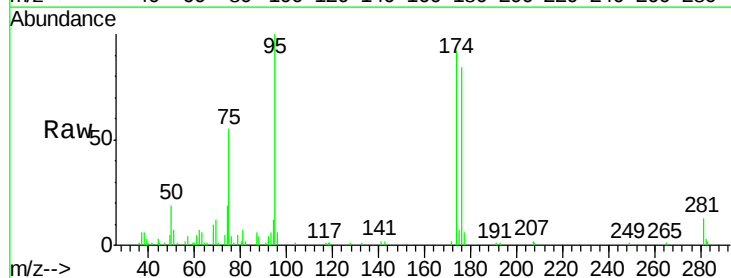
Acq: 15 May 2018 03:56

Tgt Ion: 75 Resp: 9826

Ion Ratio Lower Upper

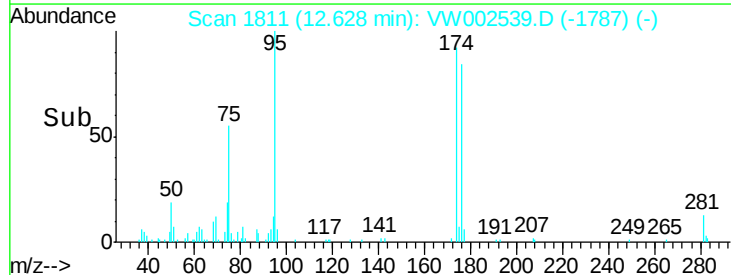
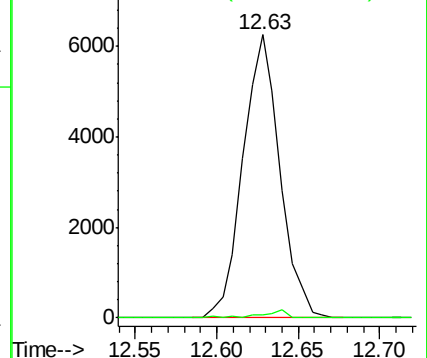
75 100

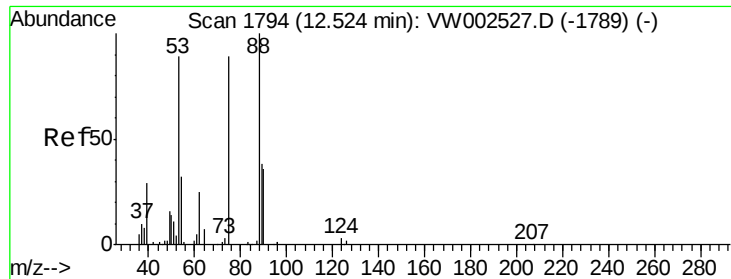
77 1.8 0.0 0.0#



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: 117.21 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002539.D

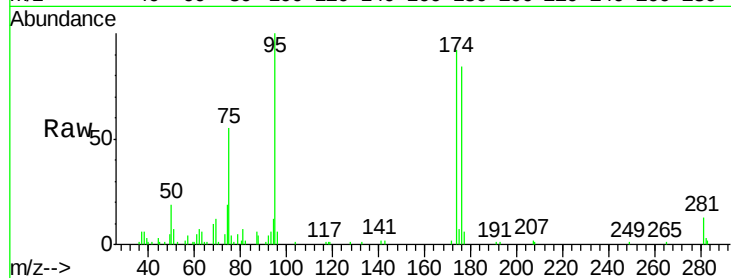
Acq: 15 May 2018 03:56

Instrument :

MSVOA_W

ClientSampleId :

CONCRETE-RUBBLE-PILE-B



Tgt Ion: 75 Resp: 9826

Ion Ratio Lower Upper

75 100

53 0.5 82.6 124.0#

89 0.0 39.2 58.8#

