

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082118\
 Data File : VW004876.D
 Acq On : 22 Aug 2018 08:19
 Operator : SY/AP
 Sample : J4585-01
 Misc : 4.77G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WS-GRAVEL-STAIN

Quant Time: Aug 22 10:53:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	431157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	693710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	485556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	115065	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	234861	56.34	ug/l	0.00
Spiked Amount			Recovery	=	112.68%	
35) Dibromofluoromethane	7.89	113	232176	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
50) Toluene-d8	10.33	98	660246	38.15	ug/l	0.00
Spiked Amount			Recovery	=	76.30%	
62) 4-Bromofluorobenzene	12.62	95	129499	20.80	ug/l	0.00
Spiked Amount			Recovery	=	41.60%	

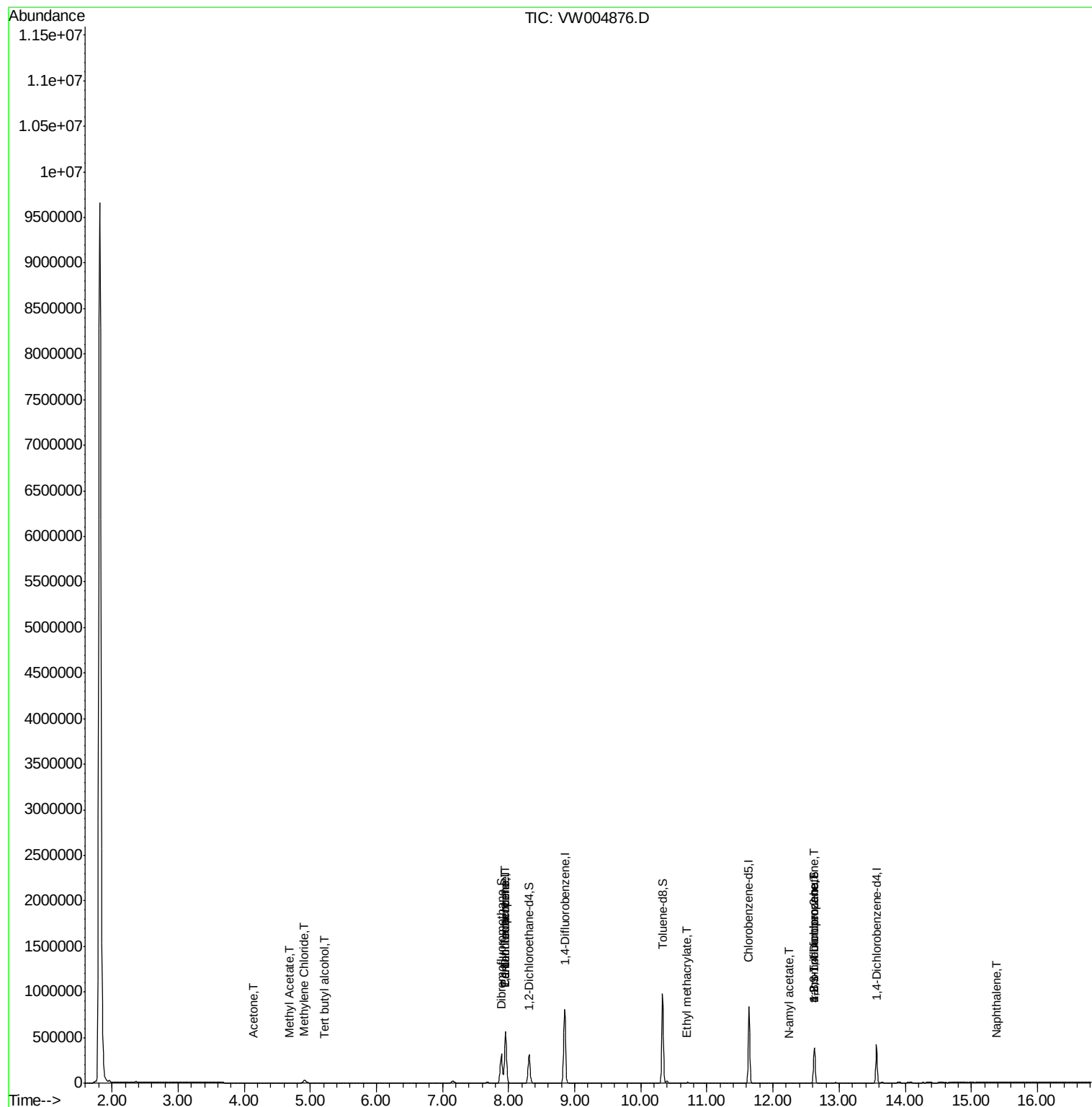
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	438	1.88	ug/l #	72
16) Acetone	4.15	43	5601	5.26	ug/l	89
18) Methyl Acetate	4.68	43	4640	2.03	ug/l	95
20) Methylene Chloride	4.92	84	25756	1.08	ug/l	95
36) 1,1-Dichloropropene	7.95	75	31012	4.34	ug/l #	49
38) Carbon Tetrachloride	7.95	117	39929	6.07	ug/l #	17
56) Ethyl methacrylate	10.69	69	42	2.99	ug/l #	1
74) N-amyl acetate	12.25	43	454	4.25	ug/l #	53
76) 1,2,3-Trichloropropane	12.62	75	60918	60.06	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60918	139.59	ug/l #	14
95) Naphthalene	15.38	128	1104	3.72	ug/l #	86

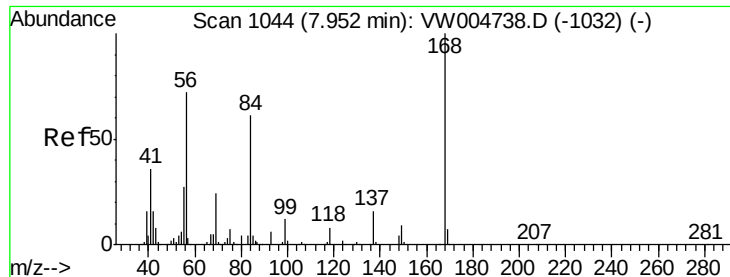
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082118\
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Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004876.D

Acq: 22 Aug 2018 08:19

Instrument :

MSVOA_W

ClientSampleId :

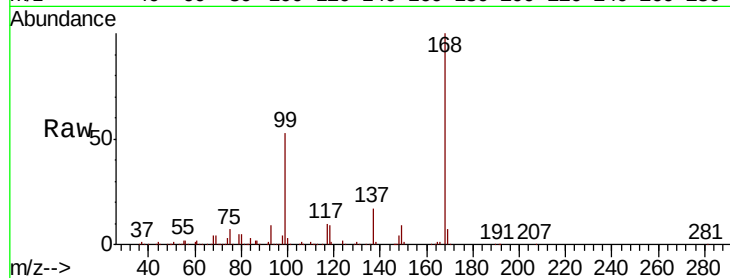
WS-GRAVEL-STAIN

Tot Ion:168 Resp: 431157

Ion Ratio Lower Upper

168 100

99 52.9 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

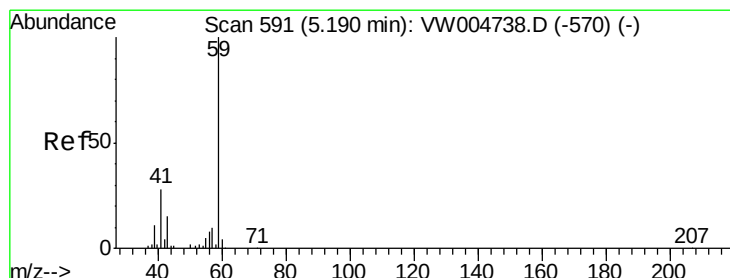
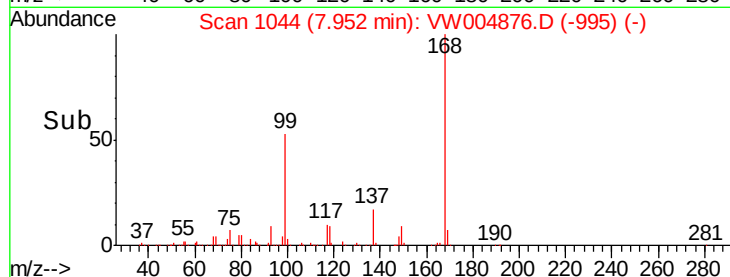
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.88 ug/l

RT: 5.20 min Scan# 593

Delta R.T. 0.01 min

Lab File: VW004876.D

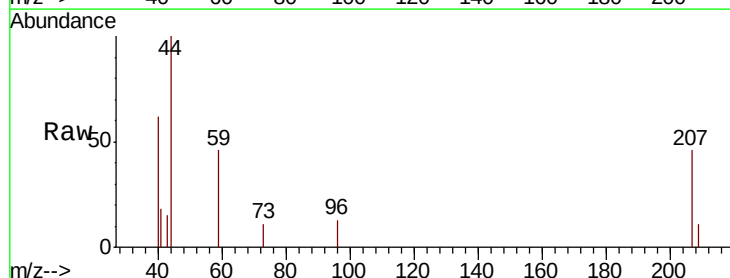
Acq: 22 Aug 2018 08:19

Tgt Ion: 59 Resp: 438

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

400

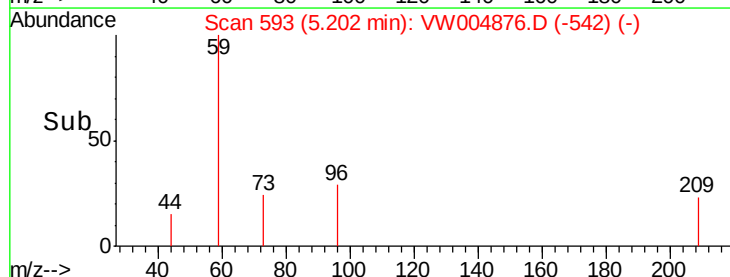
300

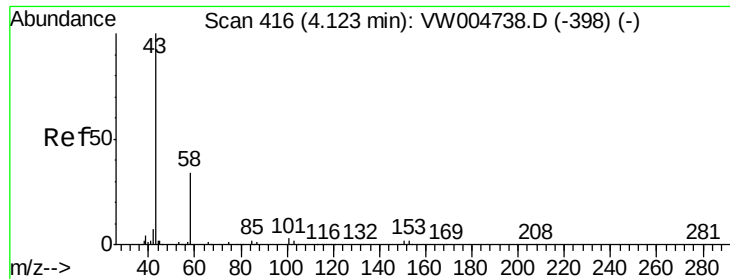
200

100

0

Time-->

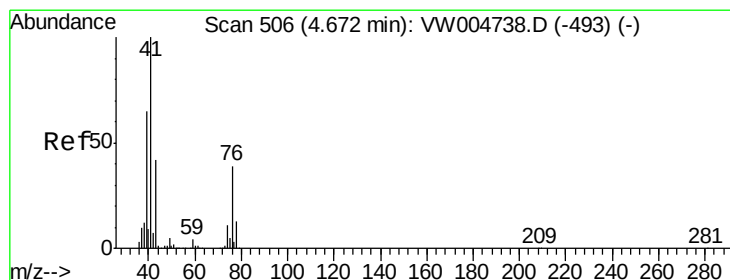
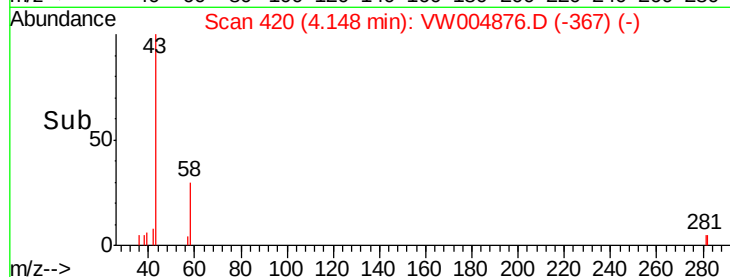
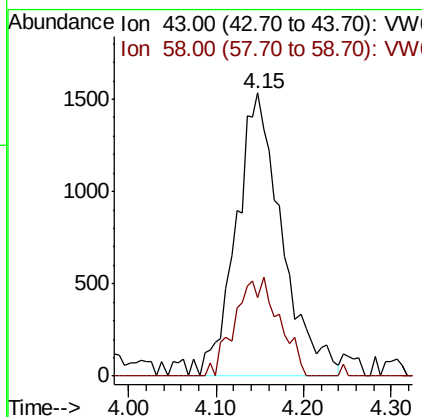
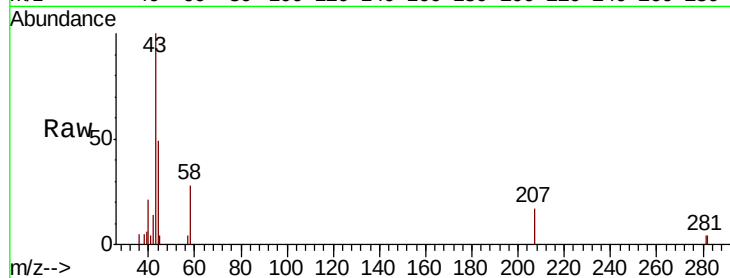




#16
Acetone
Concen: 5.26 ug/l
RT: 4.15 min Scan# 420
Delta R.T. 0.02 min
Lab File: VW004876.D
Acq: 22 Aug 2018 08:19

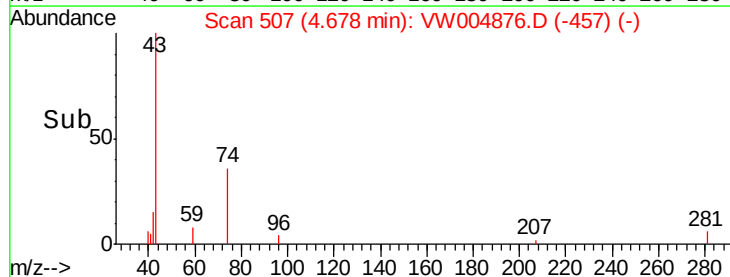
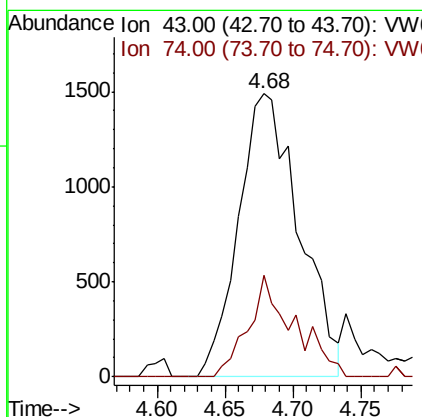
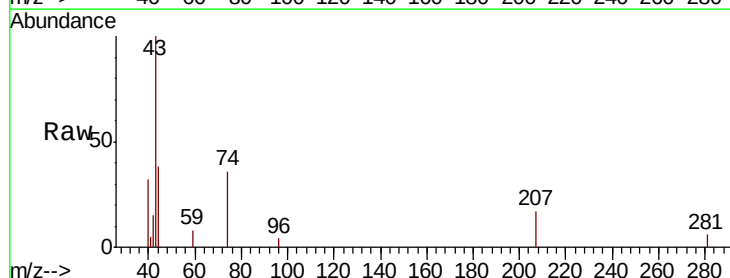
Instrument :
MSVOA_W
ClientSampleId :
WS-GRAVEL-STAIN

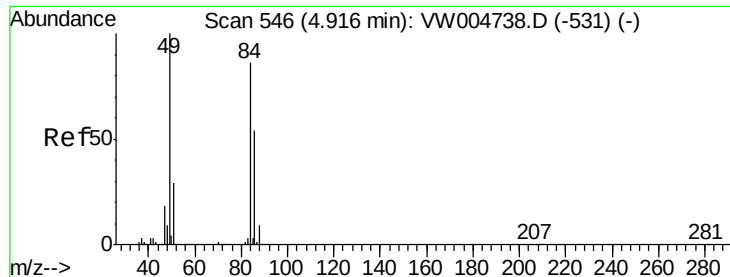
Tot Ion: 43 Resp: 5601
Ion Ratio Lower Upper
43 100
58 27.8 27.3 40.9



#18
Methyl Acetate
Concen: 2.03 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004876.D
Acq: 22 Aug 2018 08:19

Tgt Ion: 43 Resp: 4640
Ion Ratio Lower Upper
43 100
74 27.1 19.8 29.8





#20

Methylene Chloride

Concen: 1.08 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.00 min

Lab File: VW004876.D

Acq: 22 Aug 2018 08:19

Instrument :

MSVOA_W

ClientSampleId :

WS-GRAVEL-STAIN

Tot Ion: 84 Resp: 25756

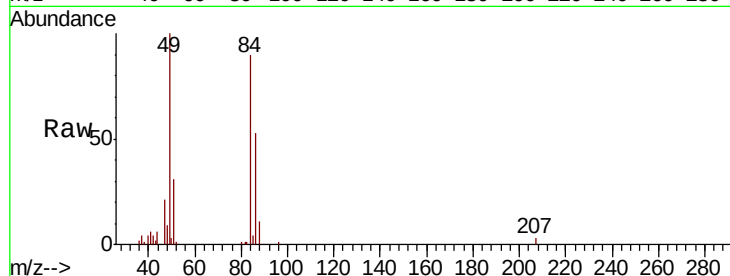
Ion Ratio Lower Upper

84 100

49 110.5 93.2 139.8

51 34.7 27.4 41.0

86 58.4 50.6 75.8

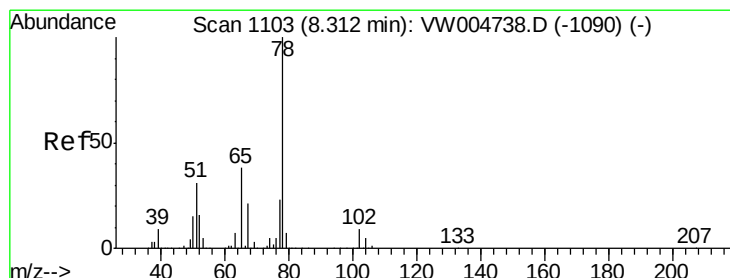
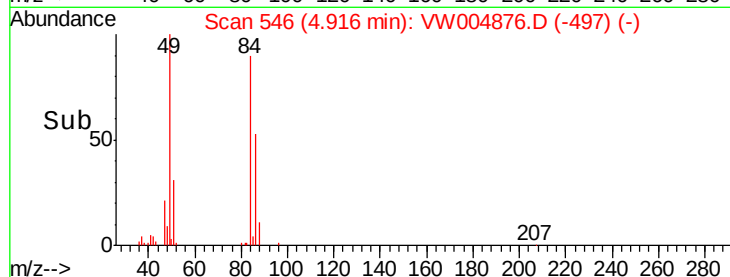
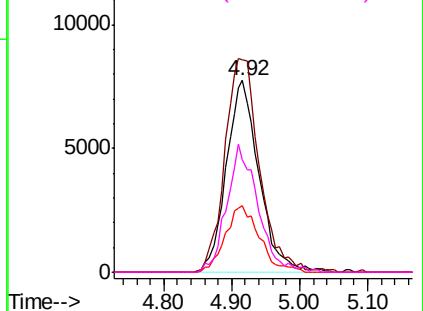


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#33

1,2-Dichloroethane-d4

Concen: 56.34 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004876.D

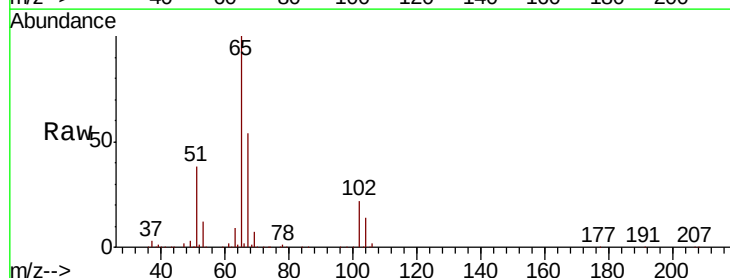
Acq: 22 Aug 2018 08:19

Tgt Ion: 65 Resp: 234861

Ion Ratio Lower Upper

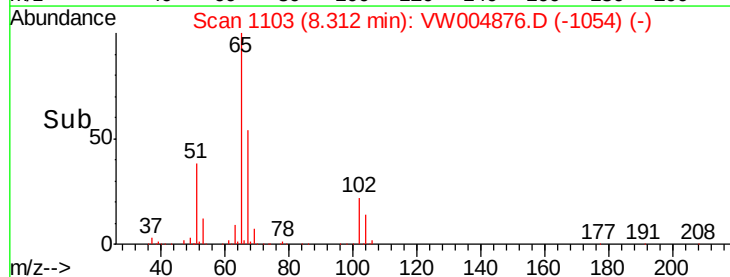
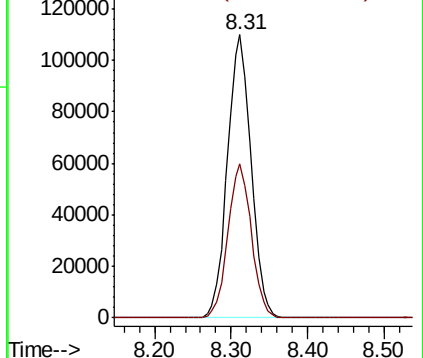
65 100

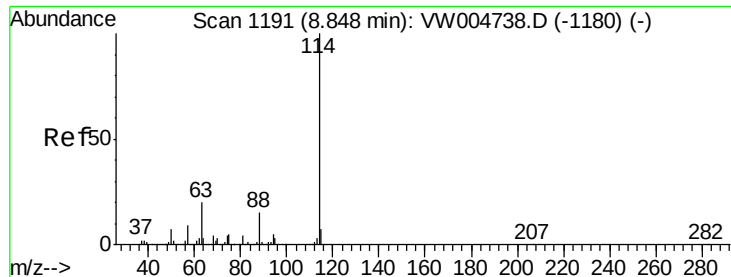
67 53.9 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004876.D

Acq: 22 Aug 2018 08:19

Instrument :

MSVOA_W

ClientSampleId :

WS-GRAVEL-STAIN

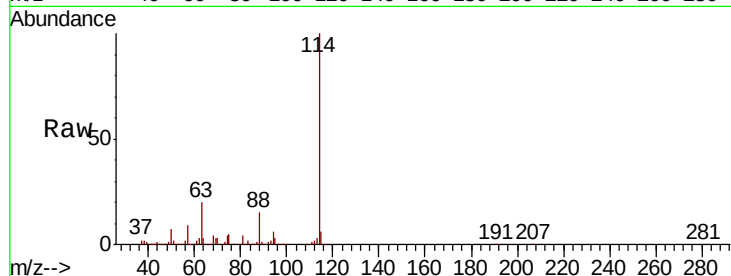
Tot Ion:114 Resp: 693710

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

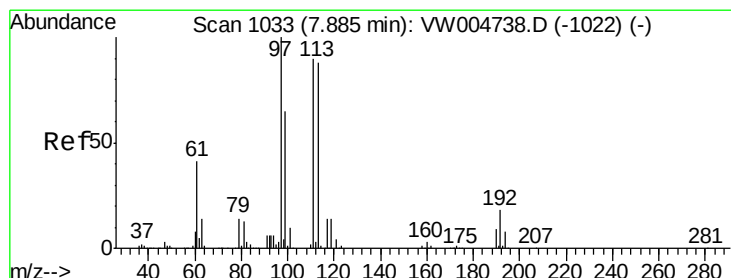
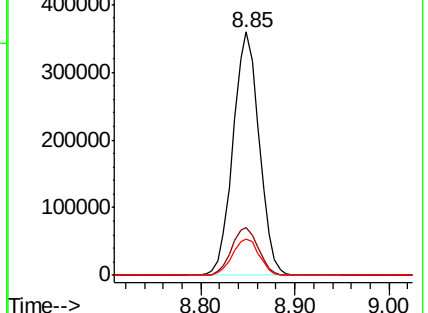
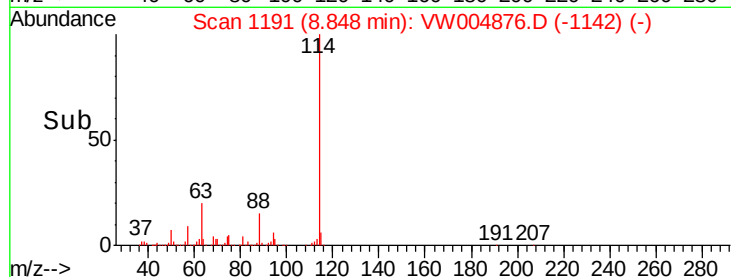
88 15.1 0.0 30.0



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: 52.37 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW004876.D

Acq: 22 Aug 2018 08:19

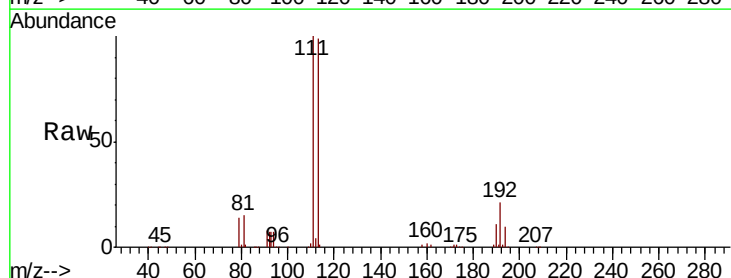
Tgt Ion:113 Resp: 232176

Ion Ratio Lower Upper

113 100

111 101.3 82.4 123.6

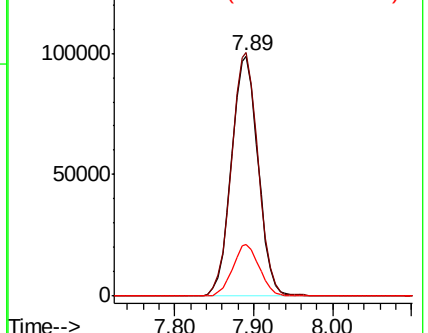
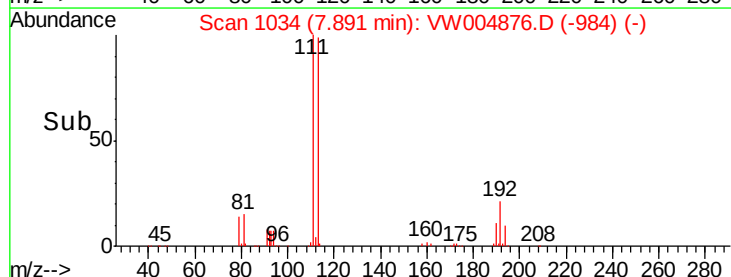
192 21.5 16.7 25.1

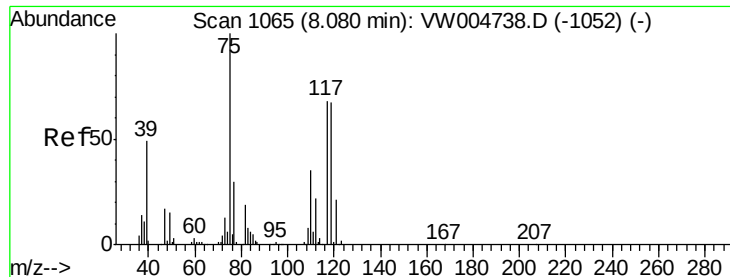


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.34 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004876.D

Acq: 22 Aug 2018 08:19

Instrument :

MSVOA_W

ClientSampleId :

WS-GRAVEL-STAIN

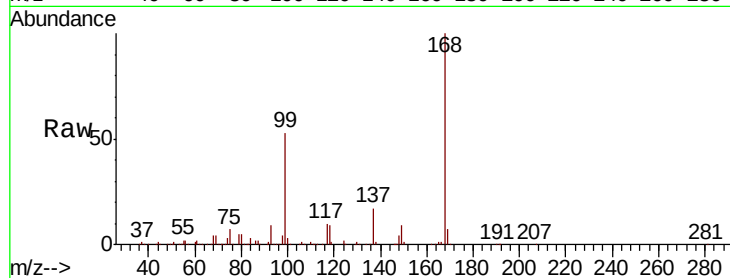
Tot Ion: 75 Resp: 31012

Ion Ratio Lower Upper

75 100

110 8.9 17.8 53.5#

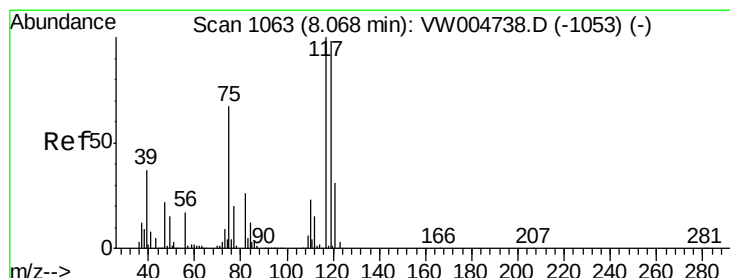
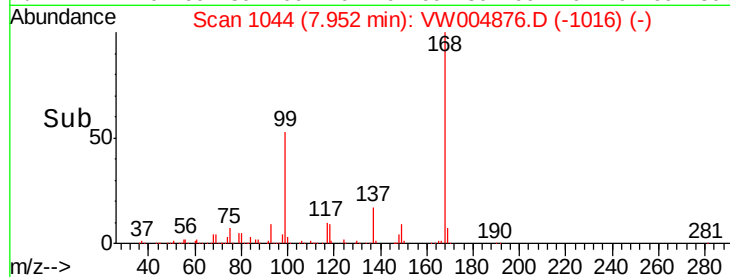
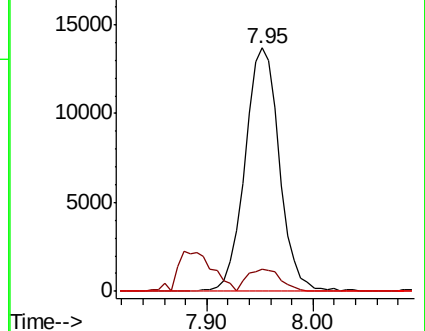
77 0.0 24.9 37.3#



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: 6.07 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004876.D

Acq: 22 Aug 2018 08:19

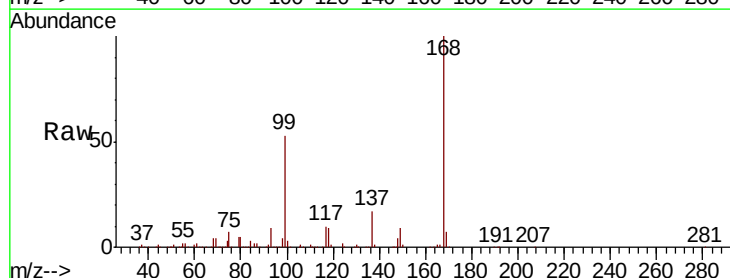
Tgt Ion: 117 Resp: 39929

Ion Ratio Lower Upper

117 100

119 7.6 78.0 117.0#

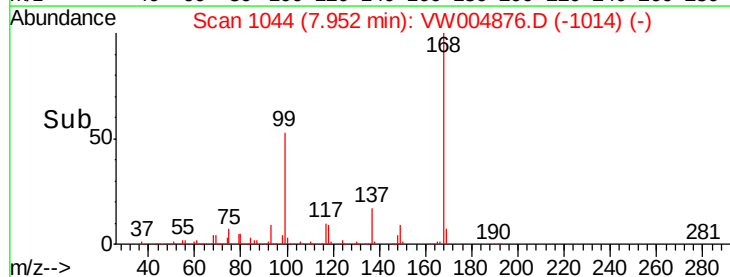
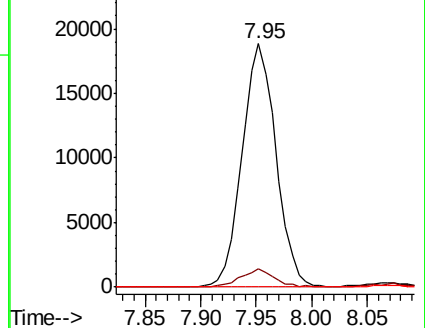
121 0.0 24.8 37.2#

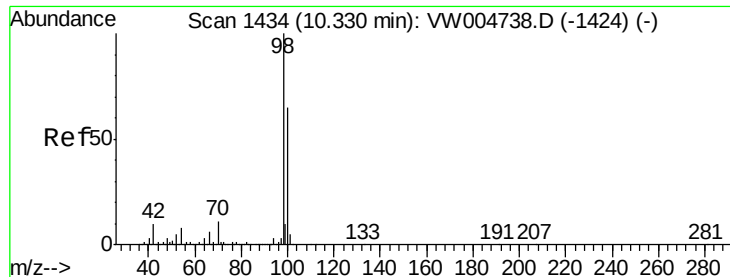


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 38.15 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004876.D

Acq: 22 Aug 2018 08:19

Instrument :

MSVOA_W

ClientSampleId :

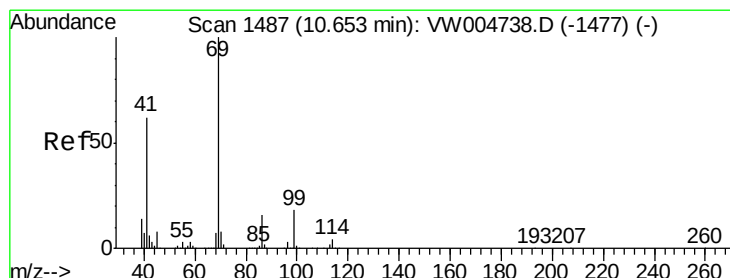
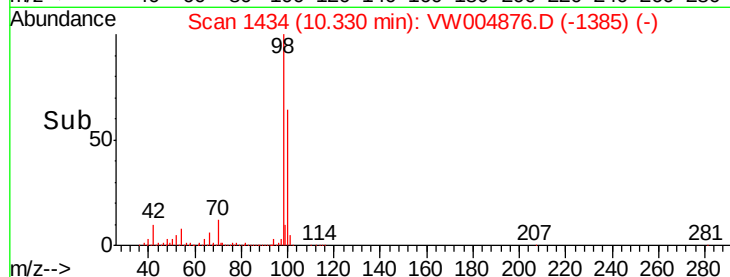
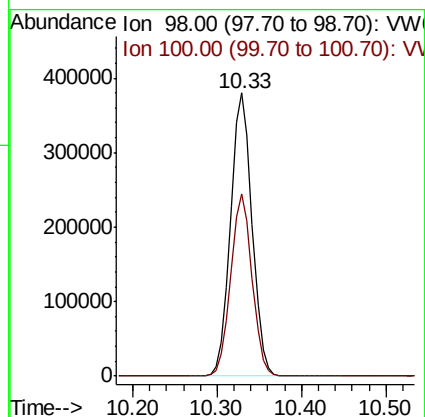
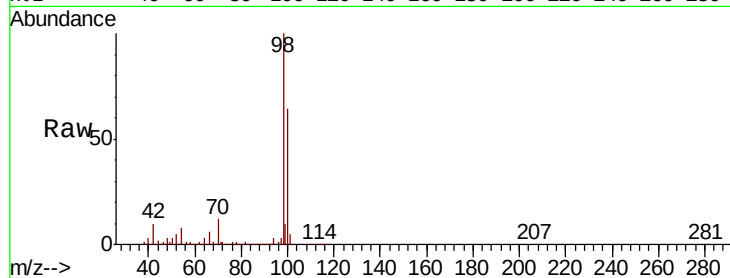
WS-GRAVEL-STAIN

Tot Ion: 98 Resp: 660246

Ion Ratio Lower Upper

98 100

100 63.6 51.8 77.8



#56

Ethyl methacrylate

Concen: 2.99 ug/l

RT: 10.69 min Scan# 1493

Delta R.T. 0.04 min

Lab File: VW004876.D

Acq: 22 Aug 2018 08:19

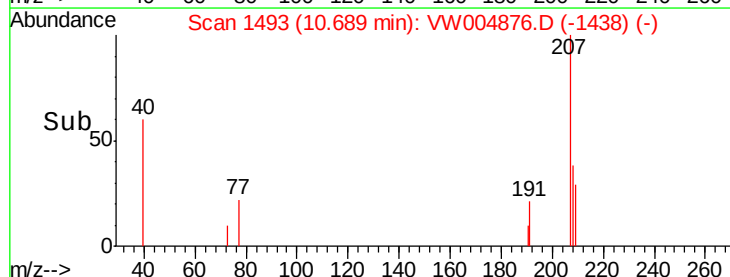
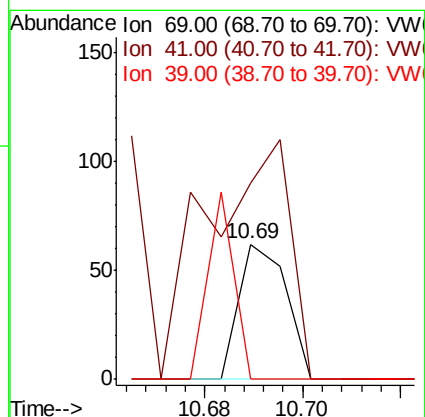
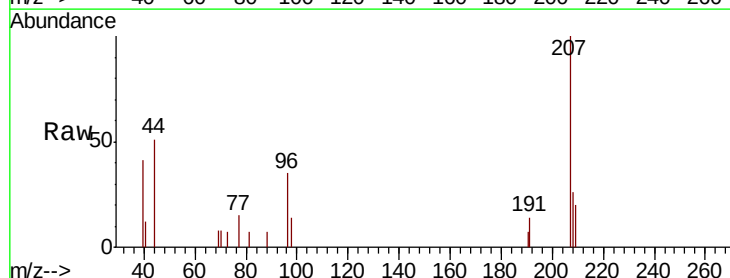
Tgt Ion: 69 Resp: 42

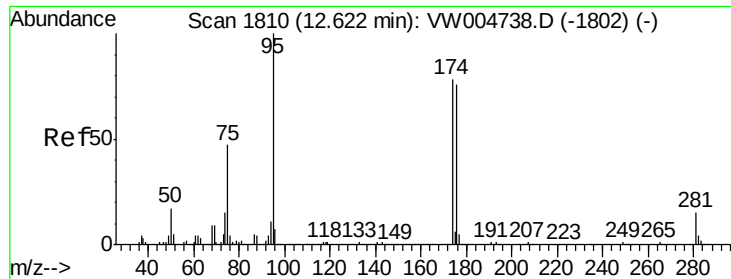
Ion Ratio Lower Upper

69 100

41 304.8 50.7 76.1#

39 0.0 21.4 32.2#

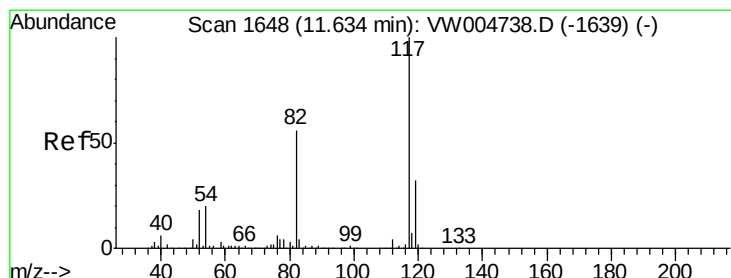
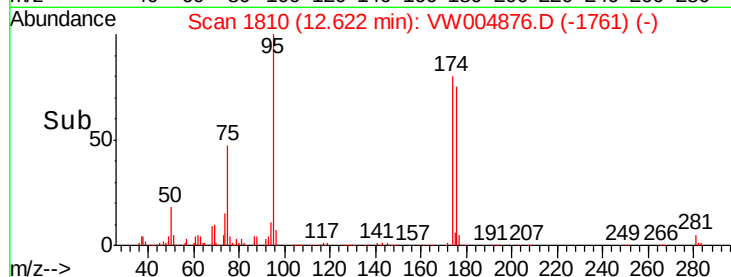
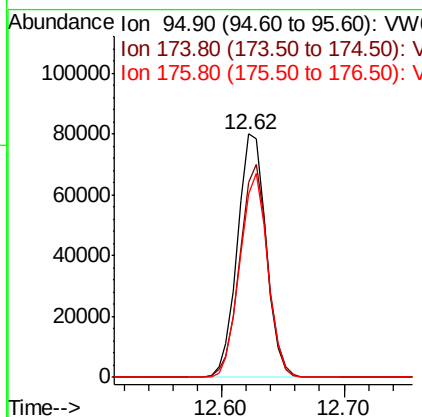
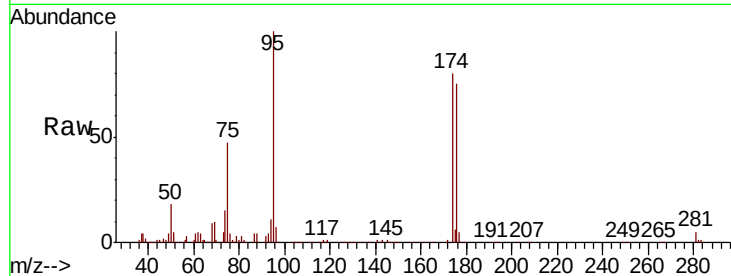




#62
4-Bromofluorobenzene
Concen: 20.80 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004876.D
Acq: 22 Aug 2018 08:19

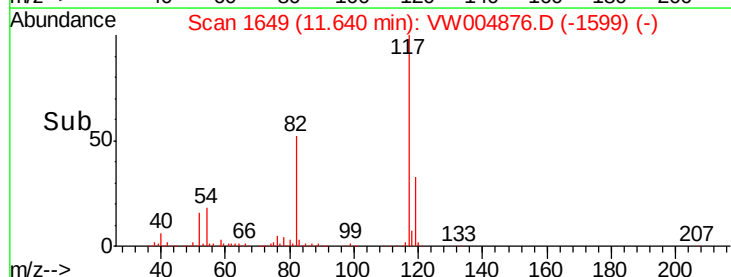
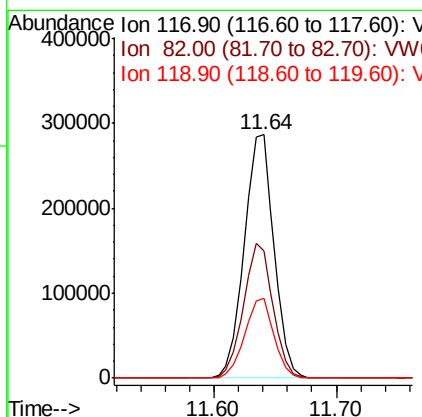
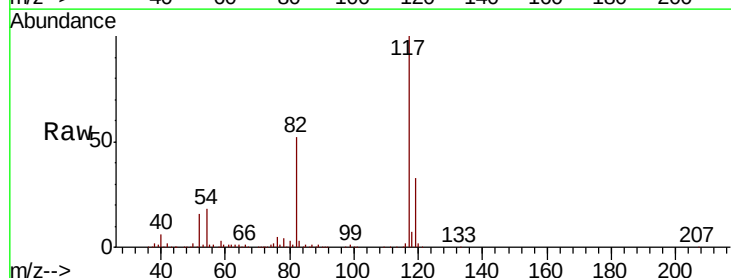
Instrument :
MSVOA_W
ClientSampleId :
WS-GRAVEL-STAIN

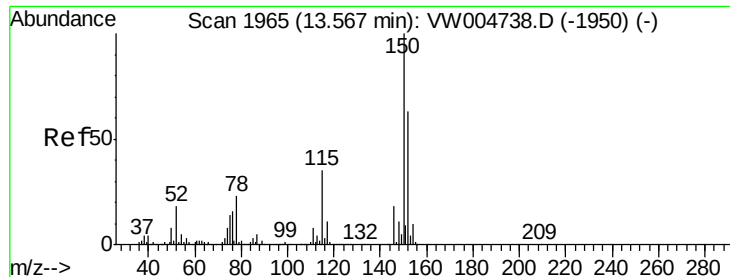
Tot Ion	95	Resp	129499
Ion Ratio	Lower	Upper	
95	100		
174	86.0	0.0	165.8
176	81.7	0.0	159.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW004876.D
Acq: 22 Aug 2018 08:19

Tgt Ion	117	Resp	485556
Ion Ratio	Lower	Upper	
117	100		
82	52.4	44.6	67.0
119	32.6	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004876.D

Acq: 22 Aug 2018 08:19

Instrument :

MSVOA_W

ClientSampleId :

WS-GRAVEL-STAIN

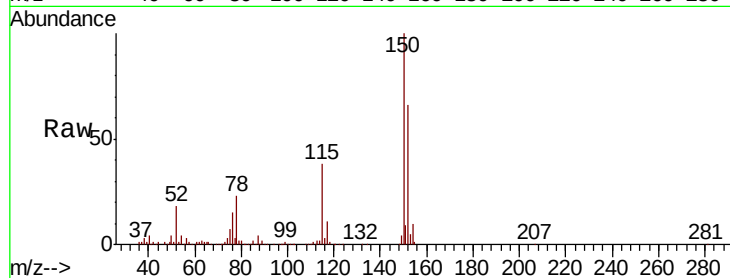
Tot Ion:152 Resp: 115065

Ion Ratio Lower Upper

152 100

115 57.1 28.5 85.5

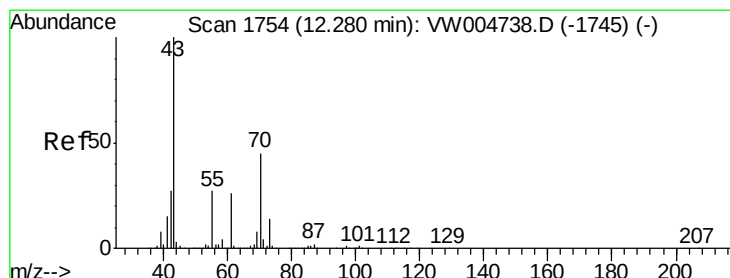
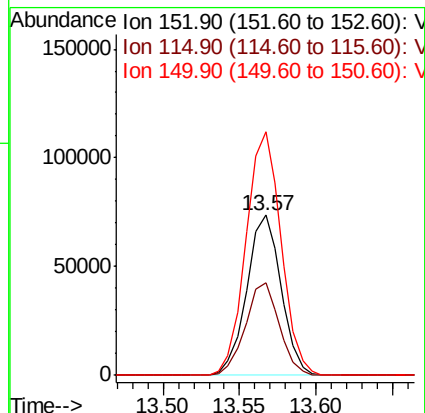
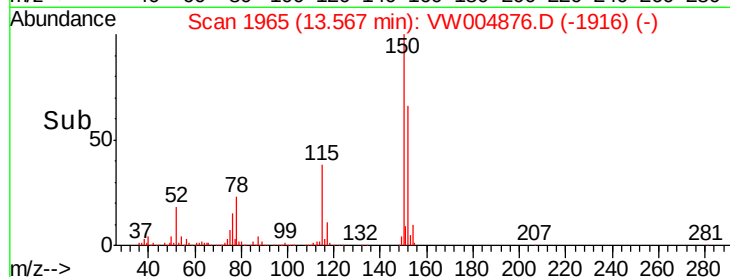
150 155.3 0.0 344.8



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



#74

N-amil acetate

Concen: 4.25 ug/l

RT: 12.25 min Scan# 1749

Delta R.T. -0.03 min

Lab File: VW004876.D

Acq: 22 Aug 2018 08:19

Tgt Ion: 43 Resp: 454

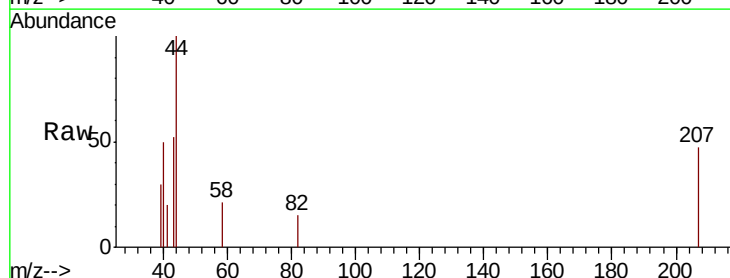
Ion Ratio Lower Upper

43 100

70 0.0 36.3 54.5#

55 22.9 22.6 33.8

61 0.0 20.2 30.4#

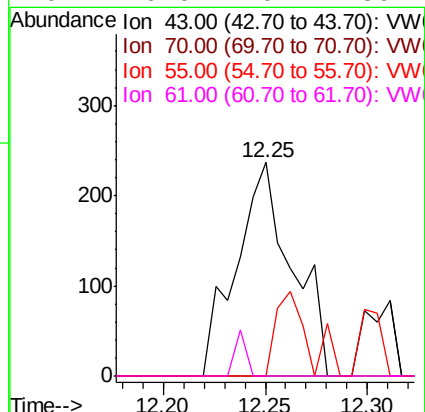
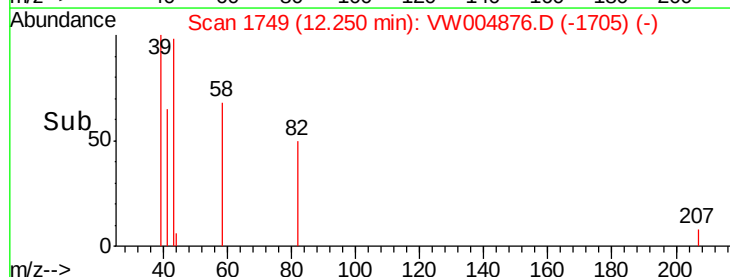


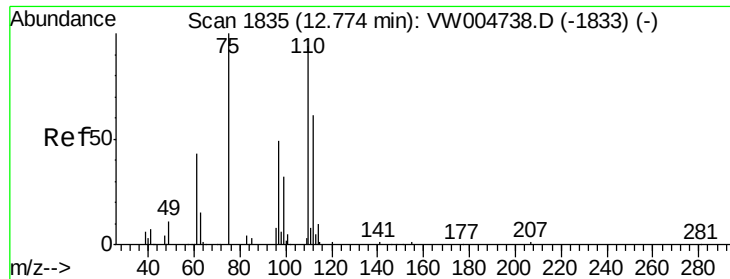
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

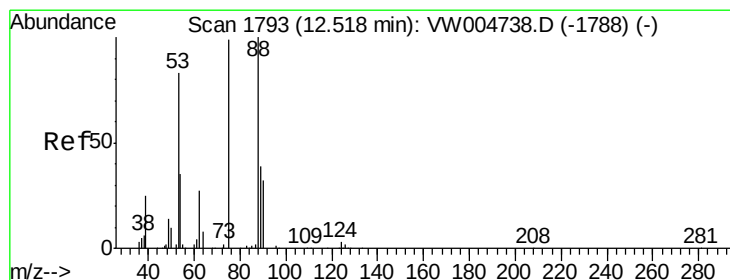
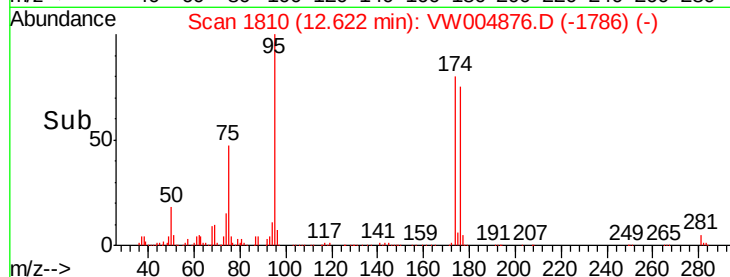
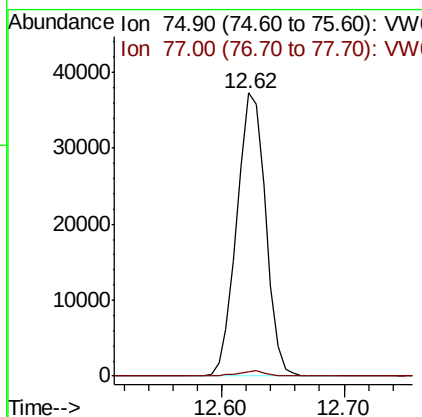
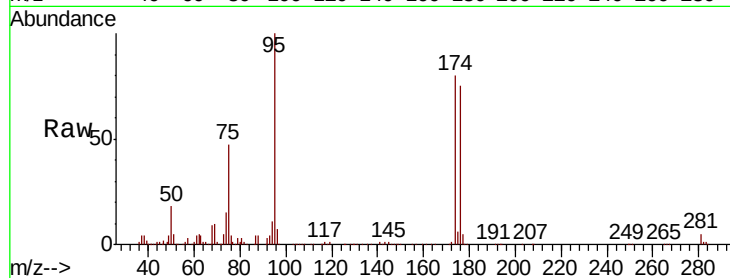




#76
 1,2,3-Trichloropropane
 Concen: 60.06 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW004876.D
 Acq: 22 Aug 2018 08:19

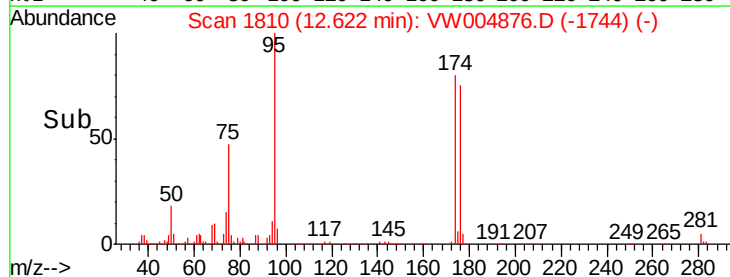
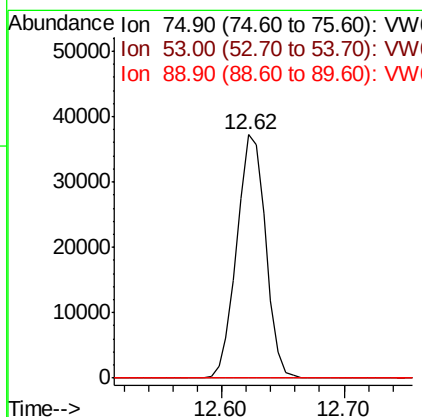
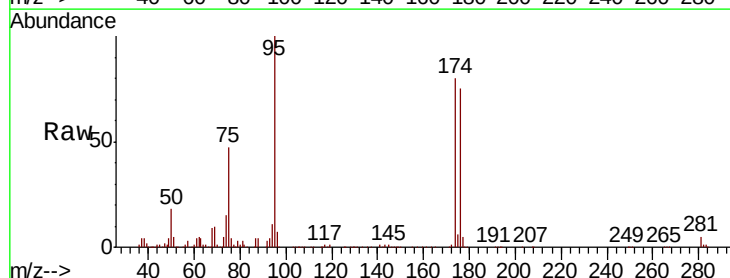
Instrument :
 MSVOA_W
 ClientSampleId :
 WS-GRAVEL-STAIN

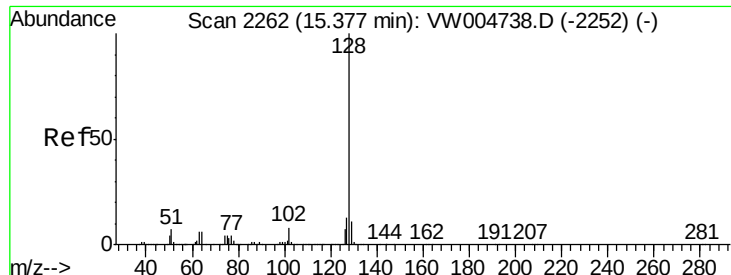
Tot Ion: 75 Resp: 60918
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.59 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004876.D
 Acq: 22 Aug 2018 08:19

Tgt Ion: 75 Resp: 60918
 Ion Ratio Lower Upper
 75 100
 53 0.3 72.2 108.4#
 89 0.0 35.2 52.8#





#95

Naphthalene

Concen: 3.72 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004876.D

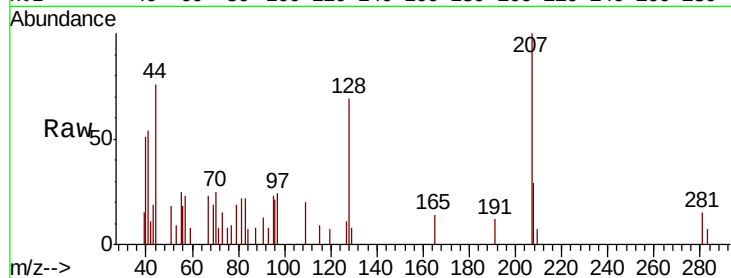
Acq: 22 Aug 2018 08:19

Instrument :

MSVOA_W

ClientSampleId :

WS-GRAVEL-STAIN



Tot Ion:	128	Resp:	1104
Ion	Ratio	Lower	Upper
128	100		
127	4.8	10.4	15.6#
129	8.7	8.6	13.0

