

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004768.D
 Acq On : 18 Aug 2018 08:39
 Operator : SY/AP
 Sample : J4500-21
 Misc : 5.06G/5ML/MSVOA W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ROCK

Quant Time: Aug 20 11:59:49 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	498773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	859511	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	789291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	340399	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	292955	60.75	ug/l	0.00
Spiked Amount			Recovery	=	121.50%	
35) Dibromofluoromethane	7.89	113	277480	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
50) Toluene-d8	10.33	98	887599	41.39	ug/l	0.00
Spiked Amount			Recovery	=	82.78%	
62) 4-Bromofluorobenzene	12.63	95	304508	39.47	ug/l	0.00
Spiked Amount			Recovery	=	78.94%	

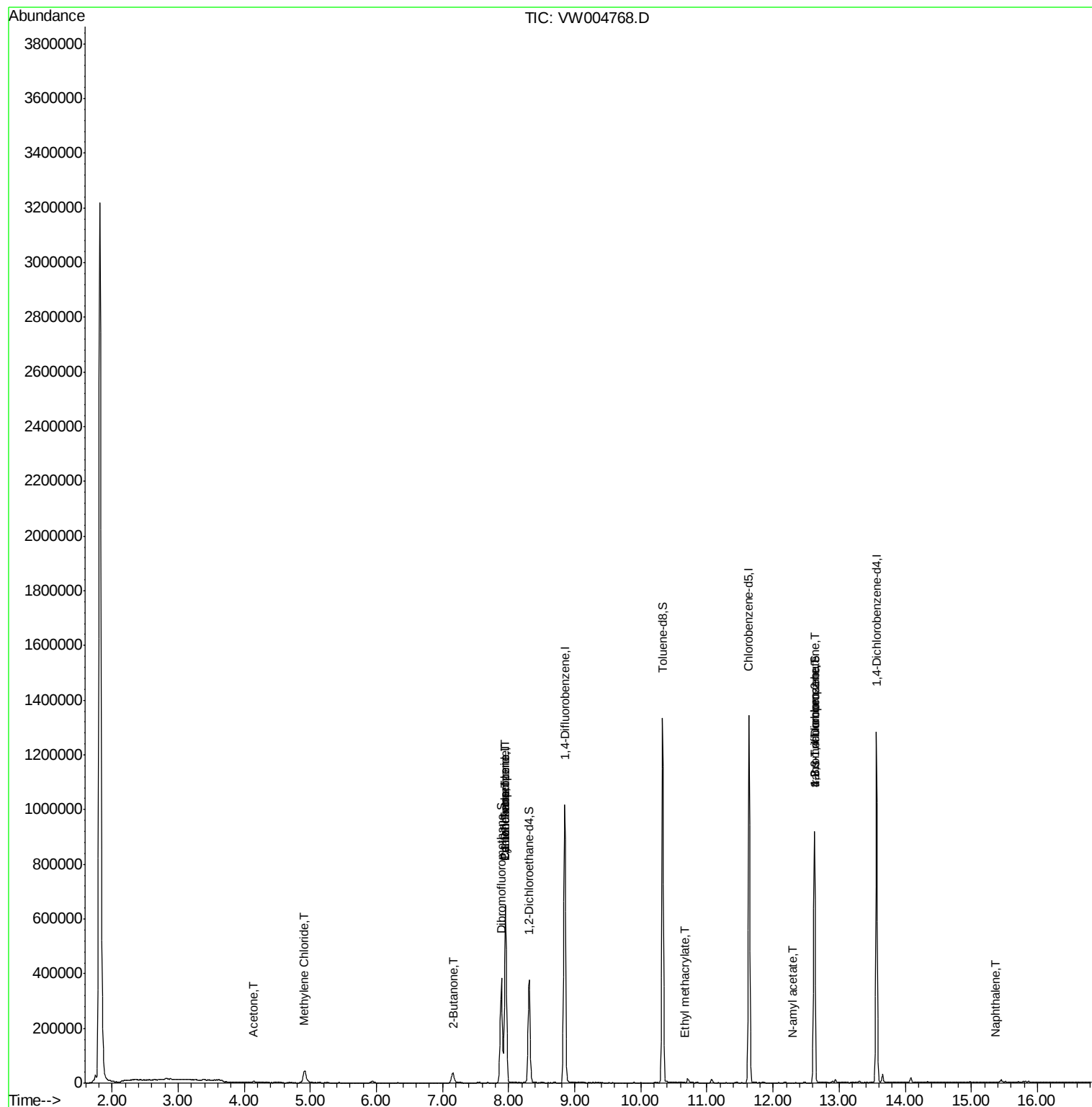
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	8601	6.99	ug/l	95
20) Methylene Chloride	4.91	84	38129	2.70	ug/l	99
25) 2-Butanone	7.15	43	1980	1.13	ug/l #	65
31) Cyclohexane	7.96	56	9735	1.03	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	36977	4.18	ug/l #	48
38) Carbon Tetrachloride	7.95	117	46506	5.71	ug/l #	17
56) Ethyl methacrylate	10.66	69	22	2.98	ug/l #	1
74) N-amyl acetate	12.30	43	23	4.02	ug/l #	40
76) 1,2,3-Trichloropropane	12.63	75	146933	48.97	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	146933	113.81	ug/l #	14
95) Naphthalene	15.37	128	1242	3.59	ug/l #	80

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

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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: VW004768.D

Acq: 18 Aug 2018 08:39

Instrument :

MSVOA_W

ClientSampled :

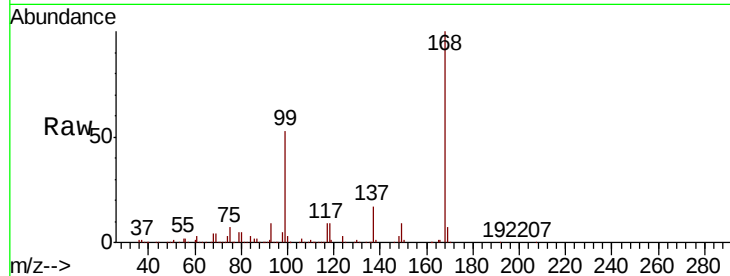
ROCK

Tot Ion:168 Resp: 498773

Ion Ratio Lower Upper

168 100

99 53.1 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

250000

200000

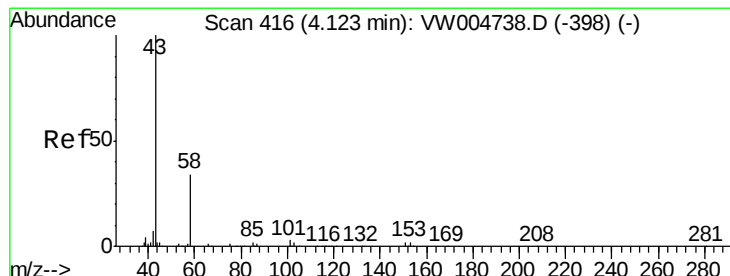
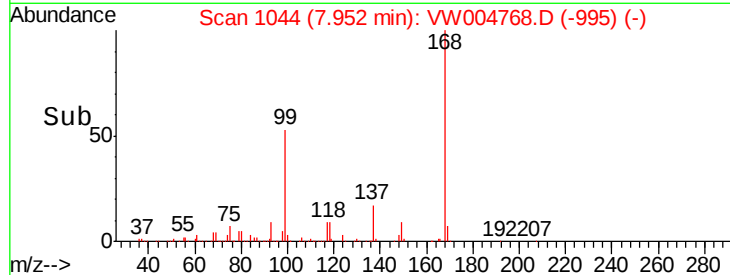
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 6.99 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW004768.D

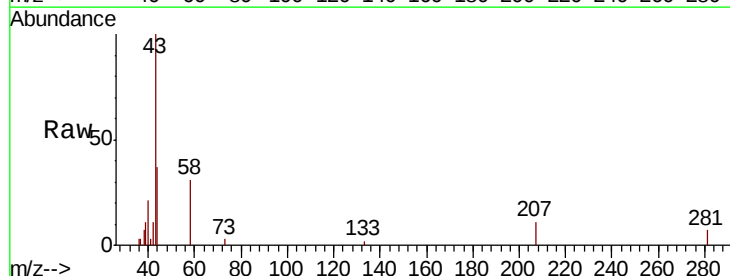
Acq: 18 Aug 2018 08:39

Tgt Ion: 43 Resp: 8601

Ion Ratio Lower Upper

43 100

58 31.3 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

2500

2000

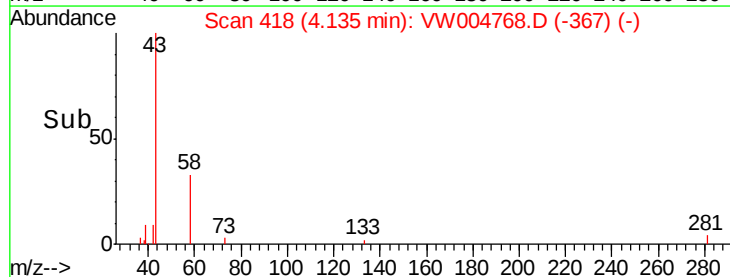
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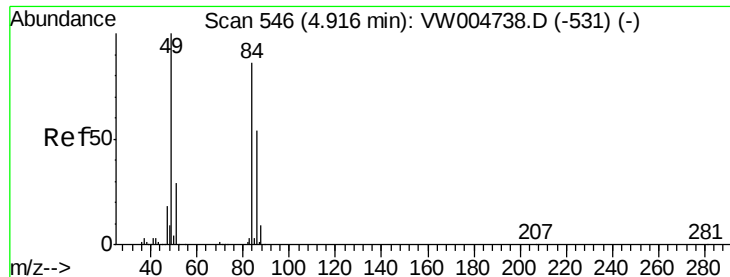
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500

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Time-->

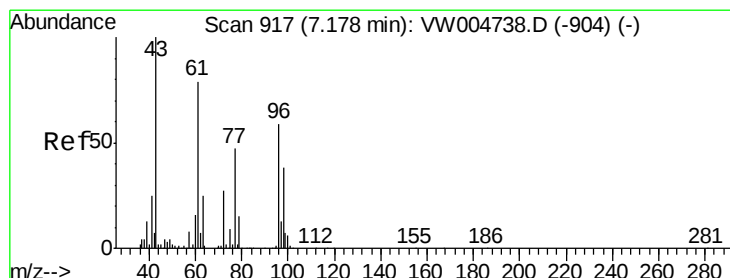
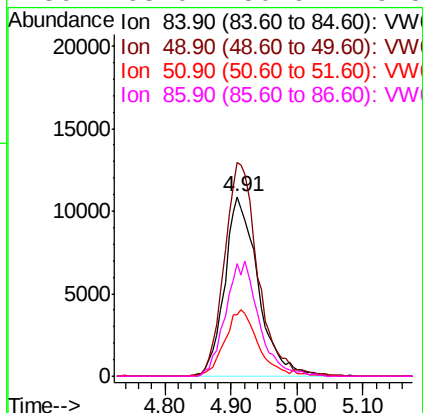
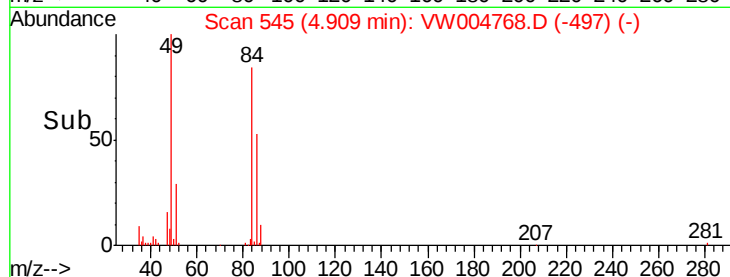
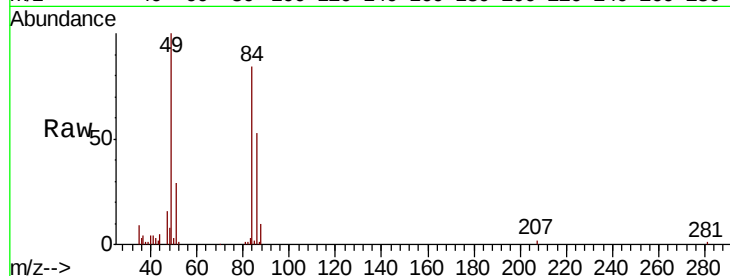




#20
Methvlene Chloride
Concen: 2.70 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004768.D
Acq: 18 Aug 2018 08:39

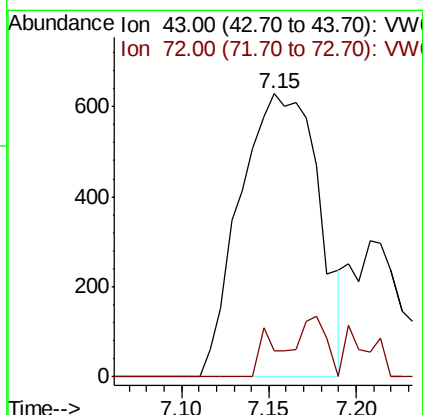
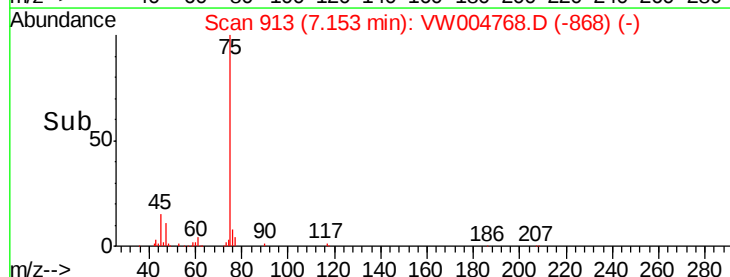
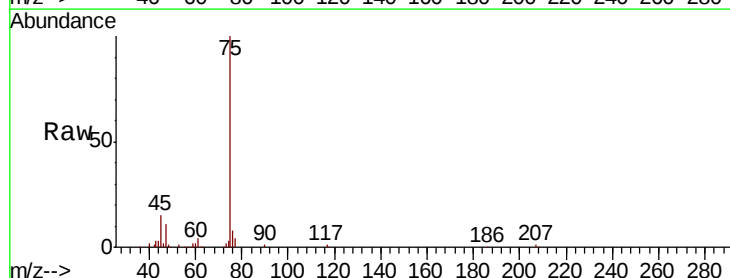
Instrument :
MSVOA_W
ClientSampleId :
ROCK

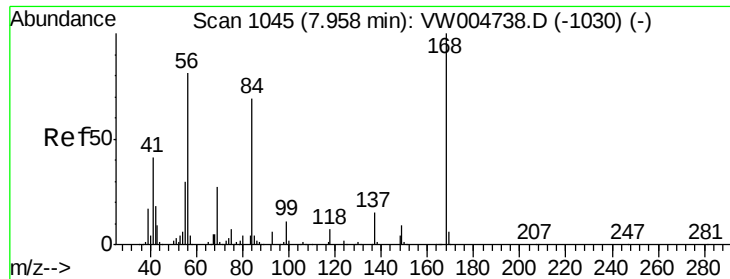
Tot Ion: 84 Resp: 38129
Ion Ratio Lower Upper
84 100
49 118.9 93.2 139.8
51 34.5 27.4 41.0
86 63.0 50.6 75.8



#25
2-Butanone
Concen: 1.13 ug/l
RT: 7.15 min Scan# 913
Delta R.T. -0.02 min
Lab File: VW004768.D
Acq: 18 Aug 2018 08:39

Tgt Ion: 43 Resp: 1980
Ion Ratio Lower Upper
43 100
72 9.1 22.0 33.0#

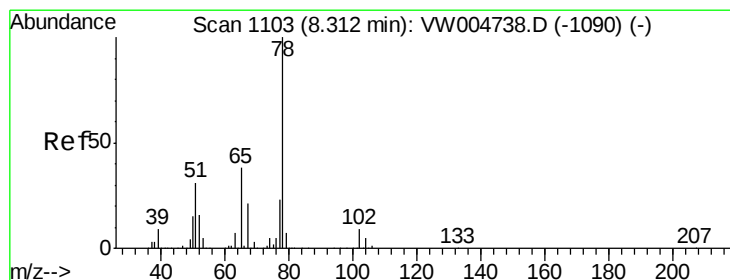
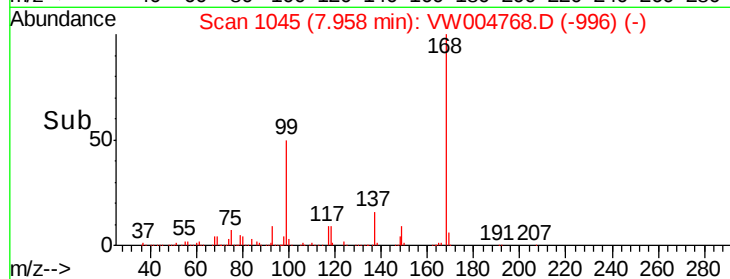
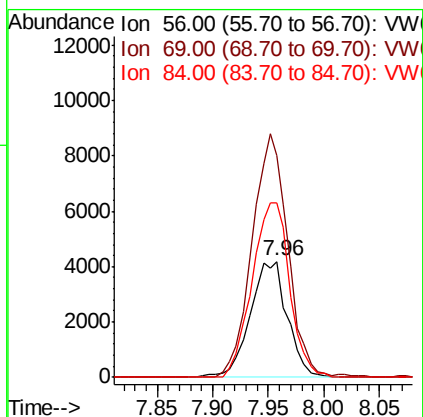
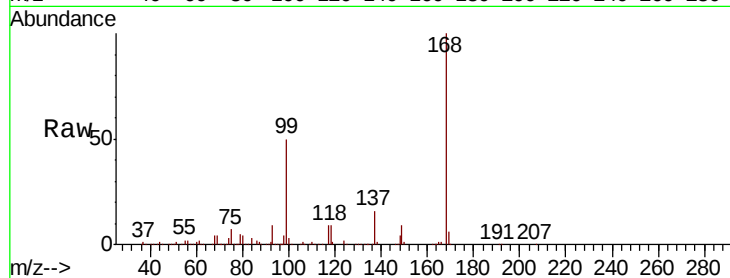




#31
Cyclohexane
Concen: 1.03 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004768.D
Acq: 18 Aug 2018 08:39

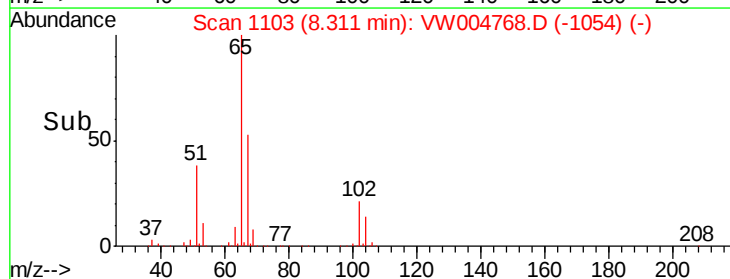
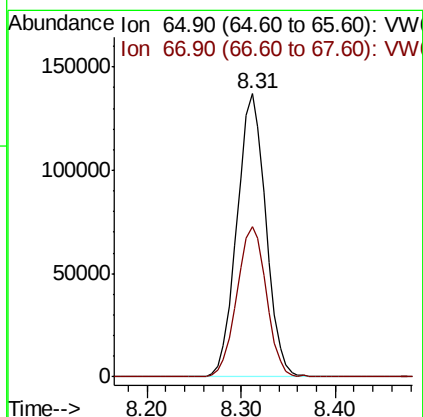
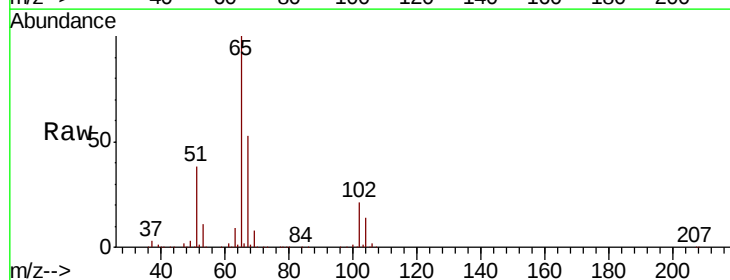
Instrument :
MSVOA_W
ClientSampled :
ROCK

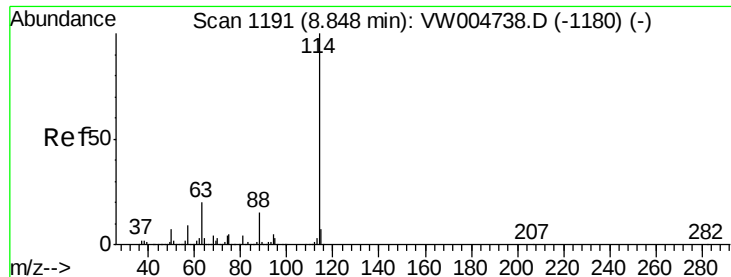
Tot Ion: 56 Resp: 9735
Ion Ratio Lower Upper
56 100
69 190.9 27.1 40.7#
84 150.3 68.3 102.5#



#33
1,2-Dichloroethane-d4
Concen: 60.75 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VW004768.D
Acq: 18 Aug 2018 08:39

Tgt Ion: 65 Resp: 292955
Ion Ratio Lower Upper
65 100
67 54.3 0.0 109.4

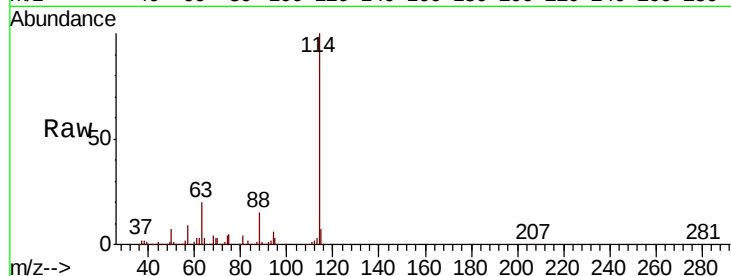




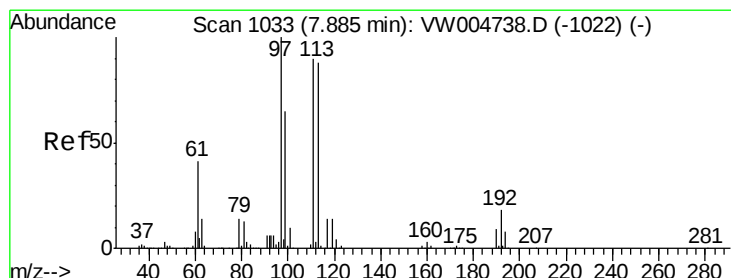
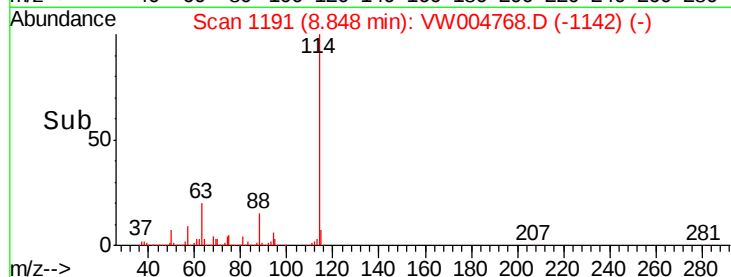
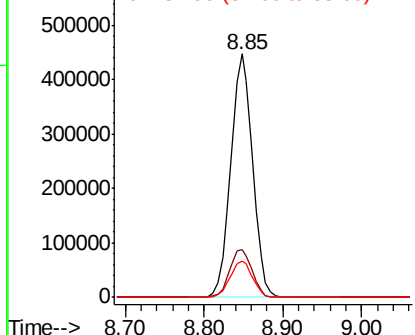
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004768.D
 Acq: 18 Aug 2018 08:39

Instrument :
 MSVOA_W
 ClientSampleId :
 ROCK

Tot Ion:114 Resp: 859511
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 14.9 0.0 30.0

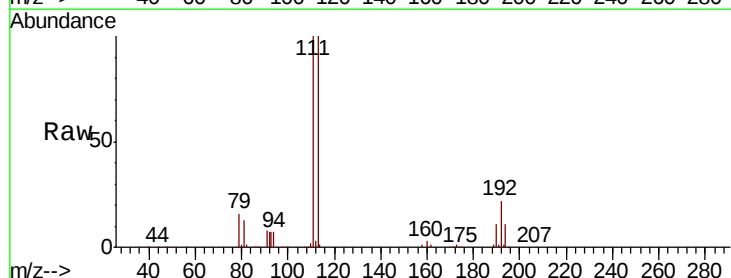


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

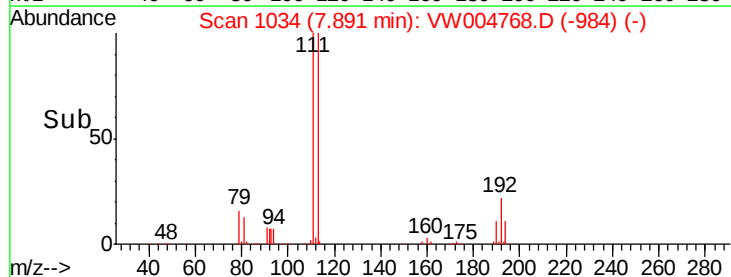
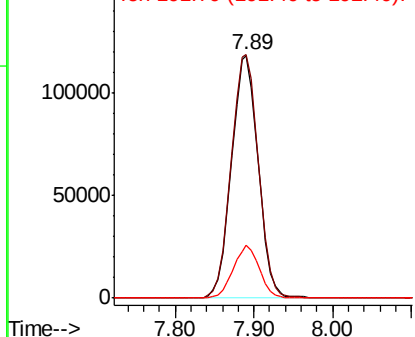


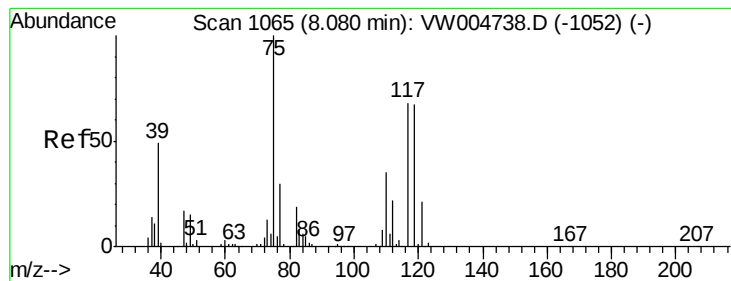
#35
 Dibromofluoromethane
 Concen: 50.51 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004768.D
 Acq: 18 Aug 2018 08:39

Tgt Ion:113 Resp: 277480
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.4 123.6
 192 21.3 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: 4.18 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004768.D

Acq: 18 Aug 2018 08:39

Instrument :

MSVOA_W

ClientSampled :

ROCK

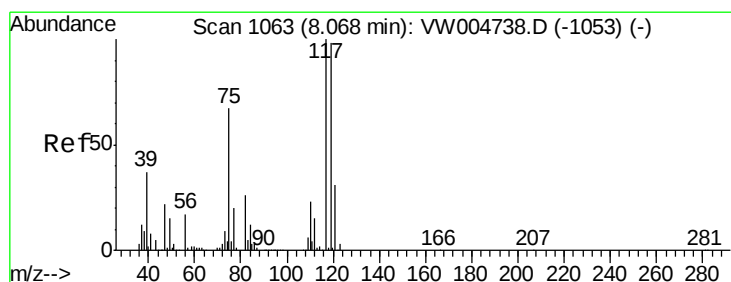
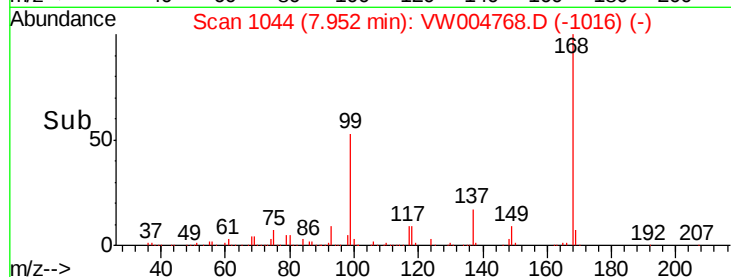
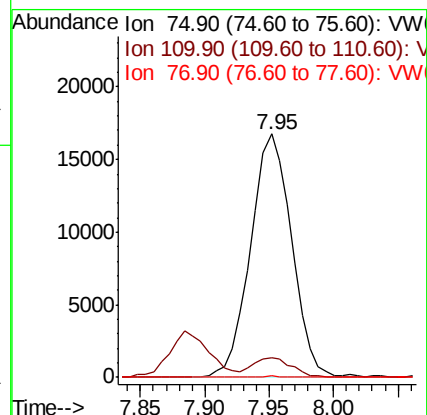
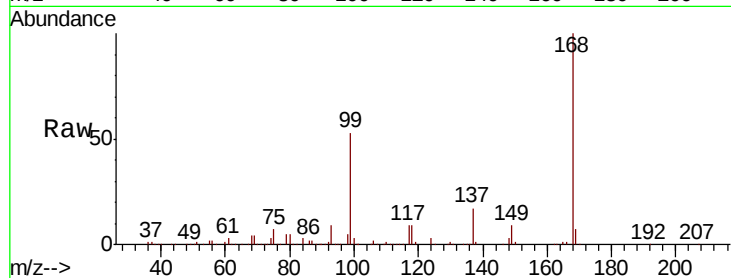
Tot Ion: 75 Resp: 36977

Ion Ratio Lower Upper

75 100

110 7.7 17.8 53.5#

77 0.2 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.71 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004768.D

Acq: 18 Aug 2018 08:39

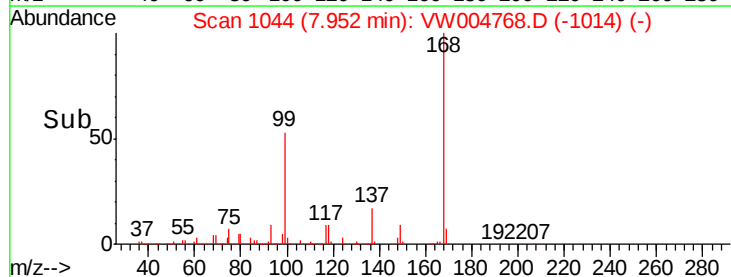
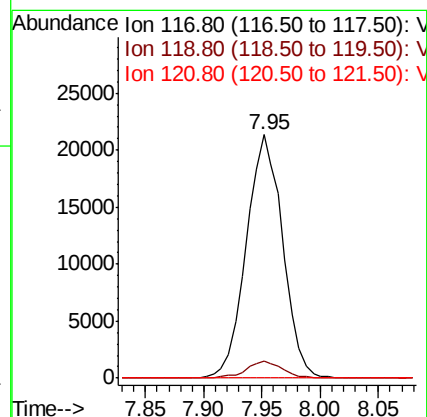
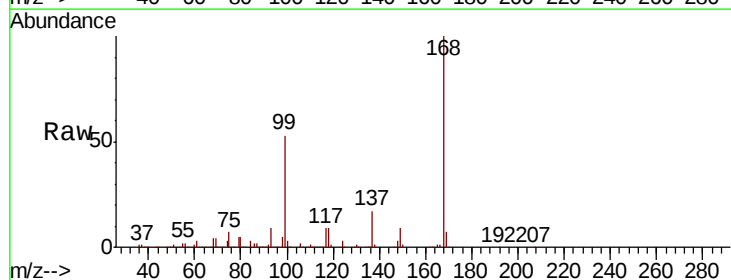
Tgt Ion: 117 Resp: 46506

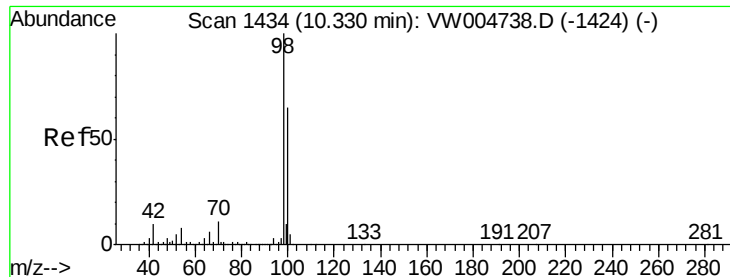
Ion Ratio Lower Upper

117 100

119 7.1 78.0 117.0#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 41.39 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004768.D

Acq: 18 Aug 2018 08:39

Instrument :

MSVOA_W

ClientSampled :

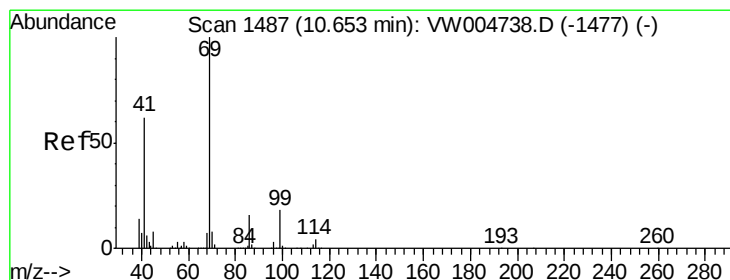
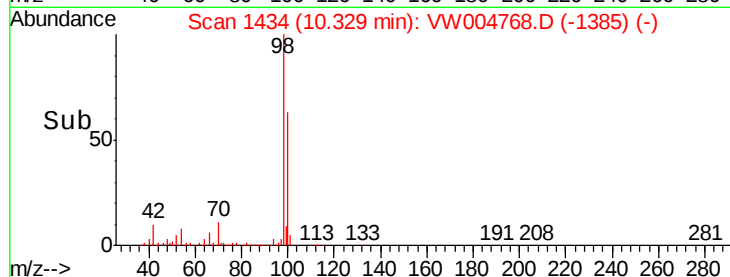
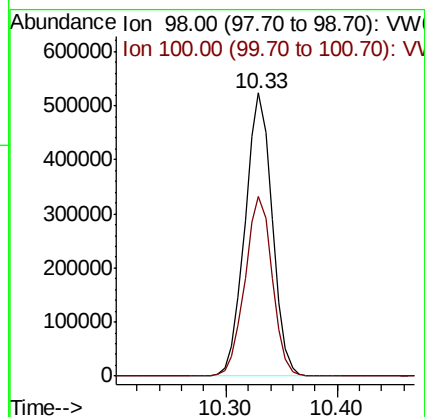
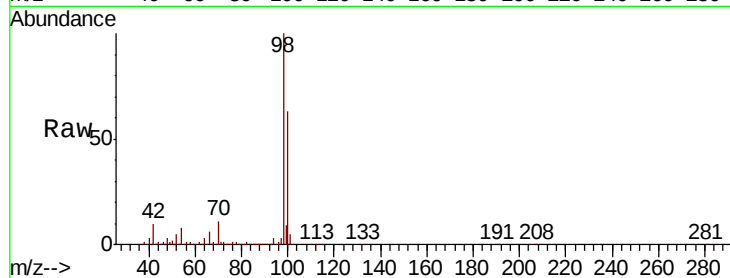
ROCK

Tot Ion: 98 Resp: 887599

Ion Ratio Lower Upper

98 100

100 63.9 51.8 77.8



#56

Ethyl methacrylate

Concen: 2.98 ug/l

RT: 10.66 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW004768.D

Acq: 18 Aug 2018 08:39

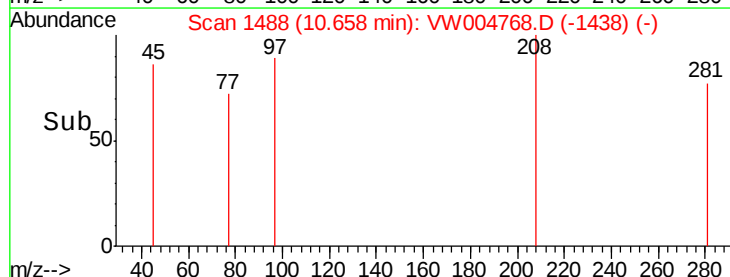
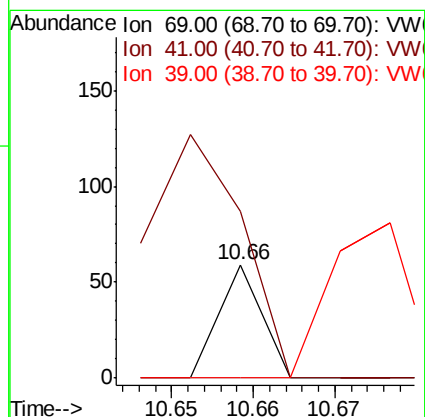
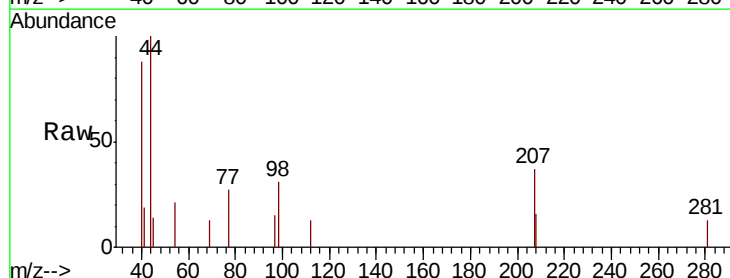
Tgt Ion: 69 Resp: 22

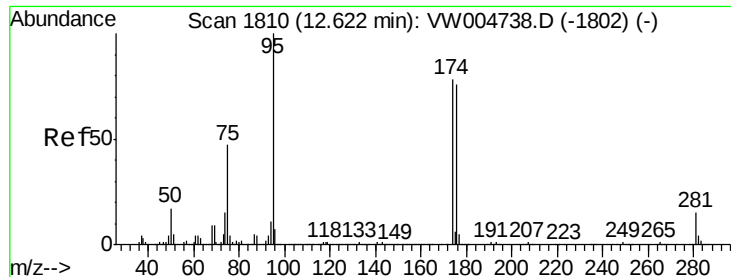
Ion Ratio Lower Upper

69 100

41 472.7 50.7 76.1#

39 0.0 21.4 32.2#

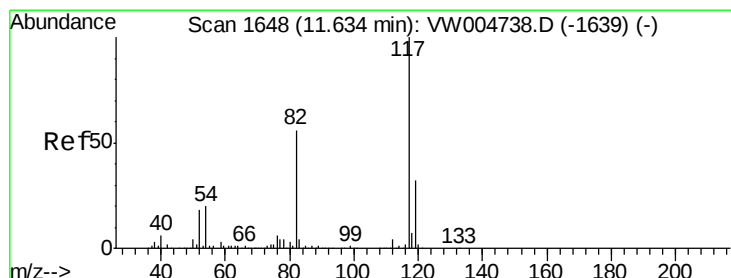
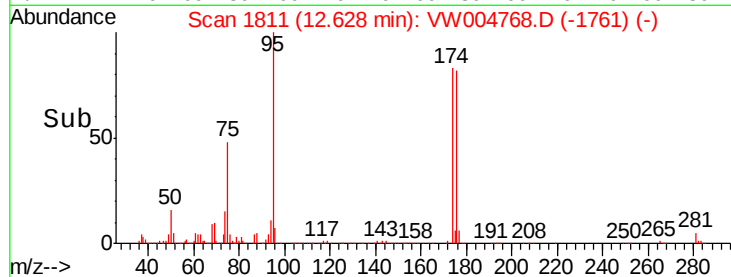
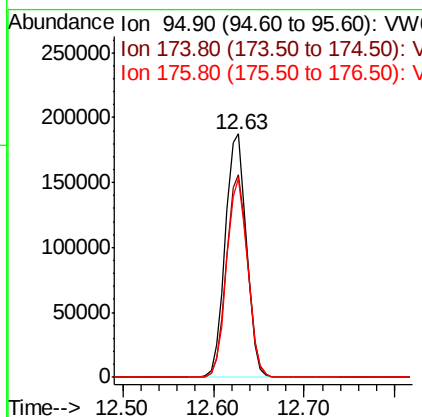
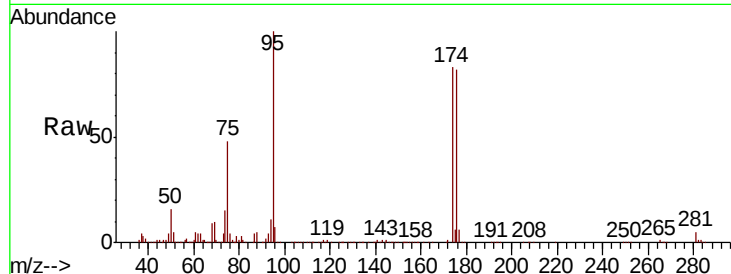




#62
4-Bromofluorobenzene
Concen: 39.47 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW004768.D
Acq: 18 Aug 2018 08:39

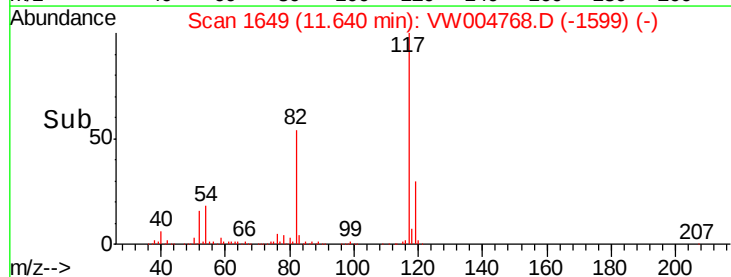
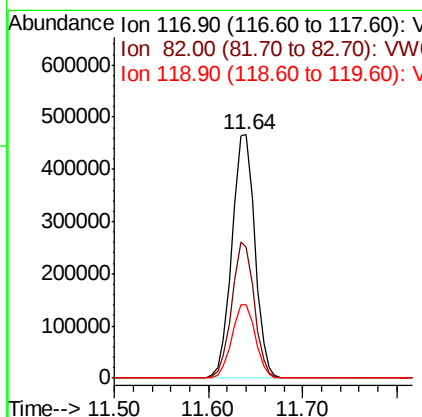
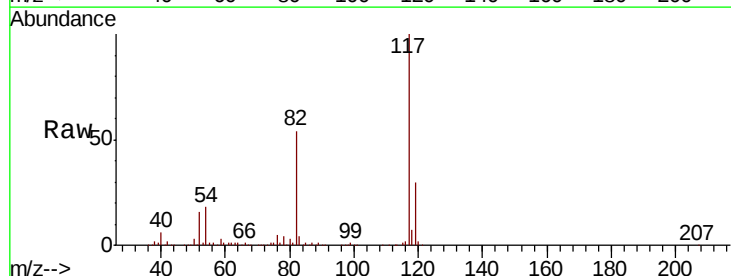
Instrument :
MSVOA_W
ClientSampled :
ROCK

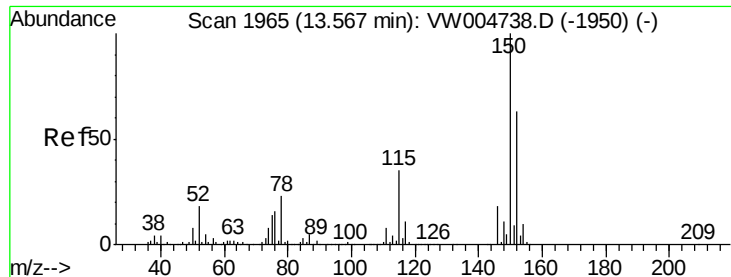
Tot Ion: 95 Resp: 304508
Ion Ratio Lower Upper
95 100
174 83.4 0.0 165.8
176 80.8 0.0 159.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW004768.D
Acq: 18 Aug 2018 08:39

Tgt Ion: 117 Resp: 789291
Ion Ratio Lower Upper
117 100
82 53.7 44.6 67.0
119 30.0 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: VW004768.D

Acq: 18 Aug 2018 08:39

Instrument :

MSVOA_W

ClientSampleId :

ROCK

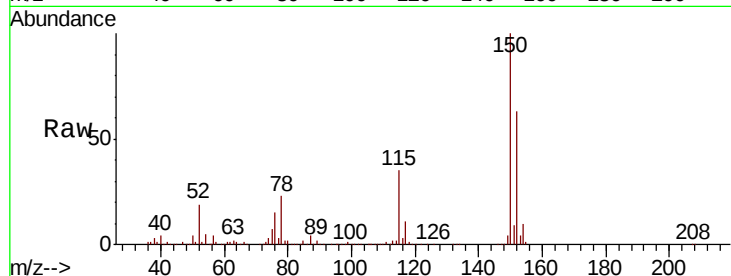
Tot Ion:152 Resp: 340399

Ion Ratio Lower Upper

152 100

115 56.7 28.5 85.5

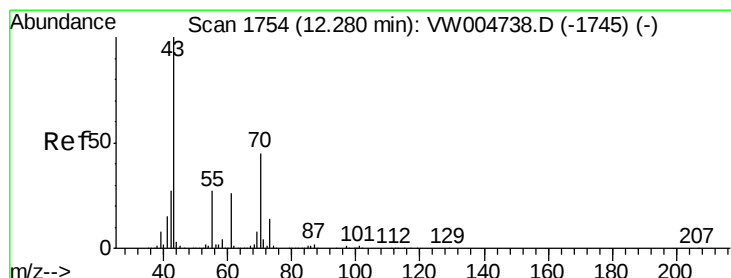
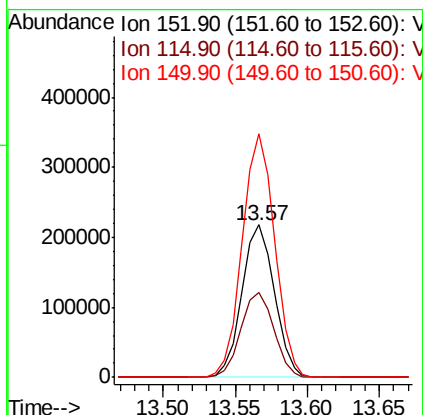
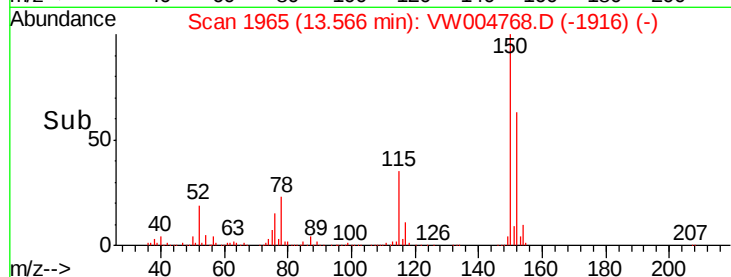
150 159.6 0.0 344.8



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-ethyl acetate

Concen: 4.02 ug/l

RT: 12.30 min Scan# 1757

Delta R.T. 0.02 min

Lab File: VW004768.D

Acq: 18 Aug 2018 08:39

Tgt Ion: 43 Resp: 23

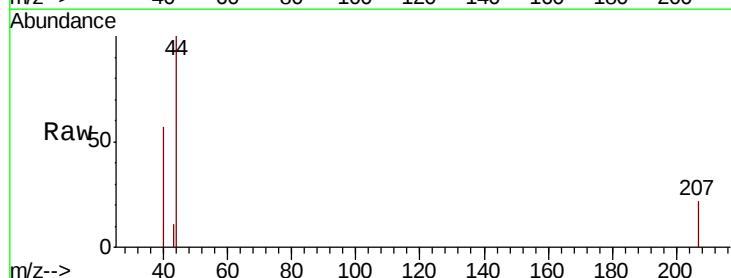
Ion Ratio Lower Upper

43 100

70 0.0 36.3 54.5#

55 0.0 22.6 33.8#

61 0.0 20.2 30.4#

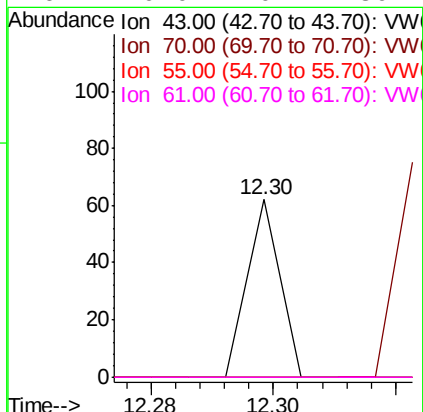
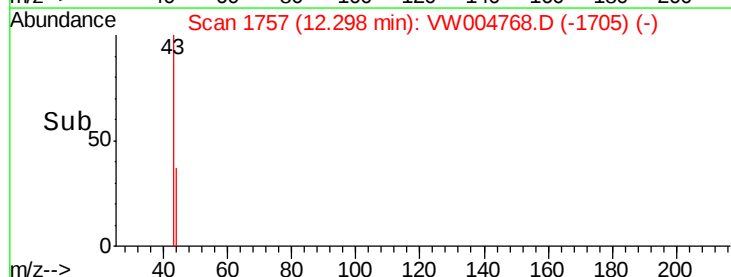


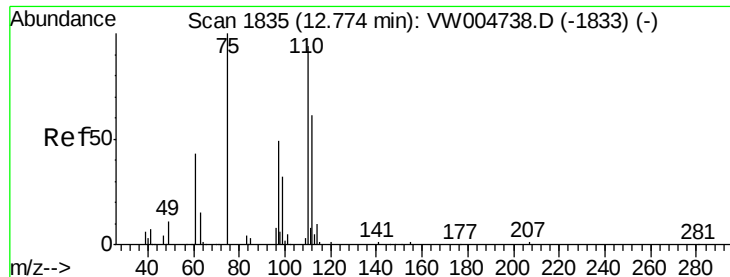
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 48.97 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW004768.D

Acq: 18 Aug 2018 08:39

Instrument :

MSVOA_W

ClientSampled :

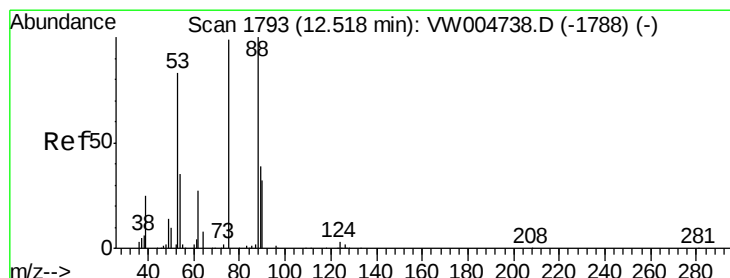
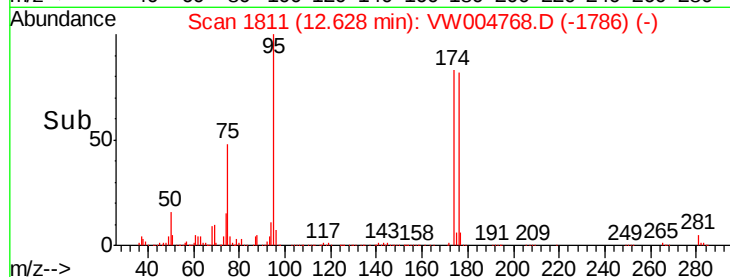
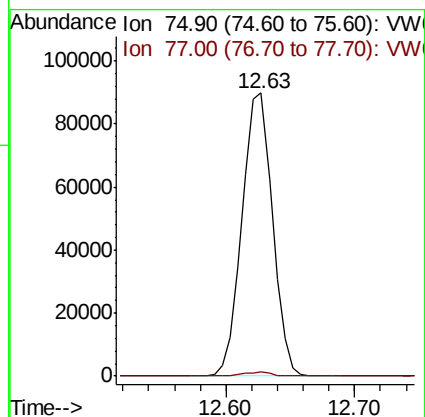
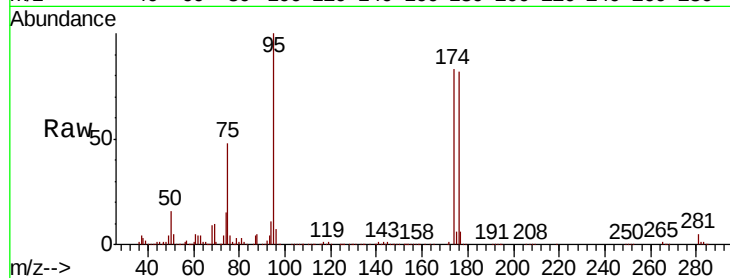
ROCK

Tot Ion: 75 Resp: 146933

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 113.81 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW004768.D

Acq: 18 Aug 2018 08:39

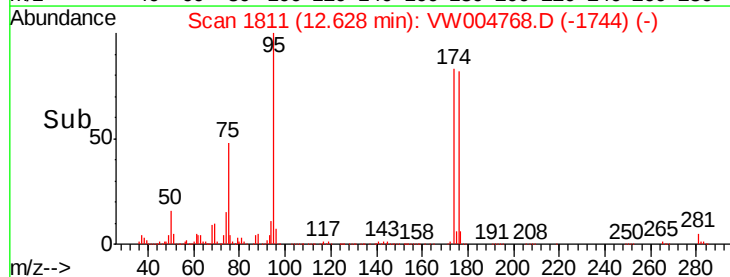
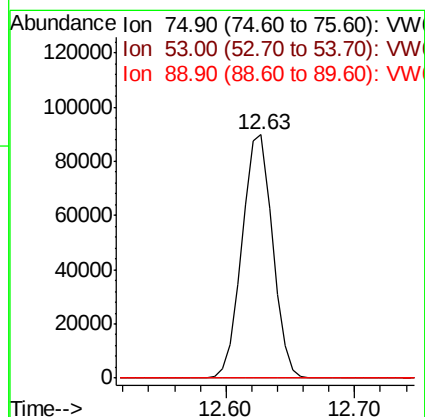
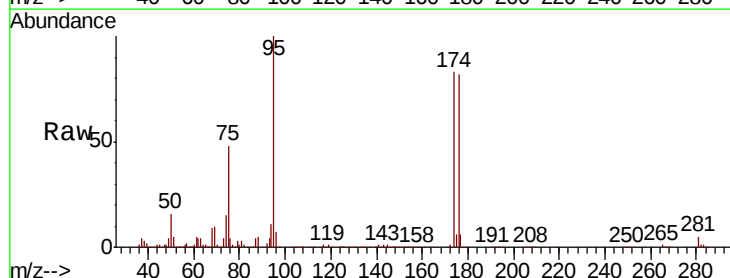
Tgt Ion: 75 Resp: 146933

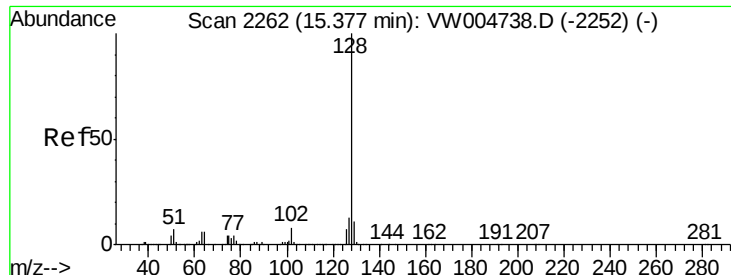
Ion Ratio Lower Upper

75 100

53 0.3 72.2 108.4#

89 0.0 35.2 52.8#





#95

Naphthalene

Concen: 3.59 ug/l

RT: 15.37 min Scan# 2261

Delta R.T. -0.01 min

Lab File: VW004768.D

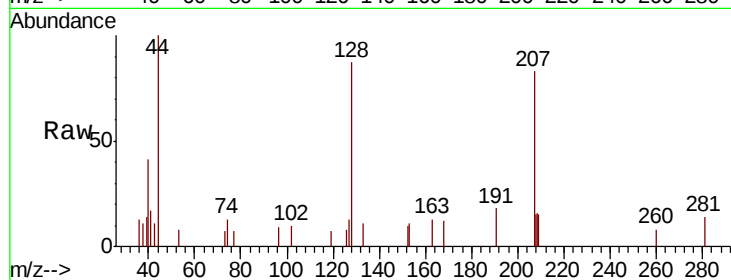
Acq: 18 Aug 2018 08:39

Instrument :

MSVOA_W

ClientSampleId :

ROCK



Tot Ion:128 Resp: 1242

Ion Ratio Lower Upper

128 100

127 6.8 10.4 15.6#

129 1.6 8.6 13.0#

