

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010719\
 Data File : VW008082.D
 Acq On : 07 Jan 2019 20:48
 Operator : SY/AP
 Sample : K1073-02
 Misc : 4.25G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RICH-REC-ROAD-STONE-9

Quant Time: Jan 08 03:48:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	73504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	121922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	105266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	45719	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	43387	53.37	ug/l	0.00
Spiked Amount			Recovery	=	106.74%	
35) Dibromofluoromethane	7.88	113	17333	22.55	ug/l	0.00
Spiked Amount			Recovery	=	45.10%	
50) Toluene-d8	10.32	98	144994	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.62	95	53094	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	

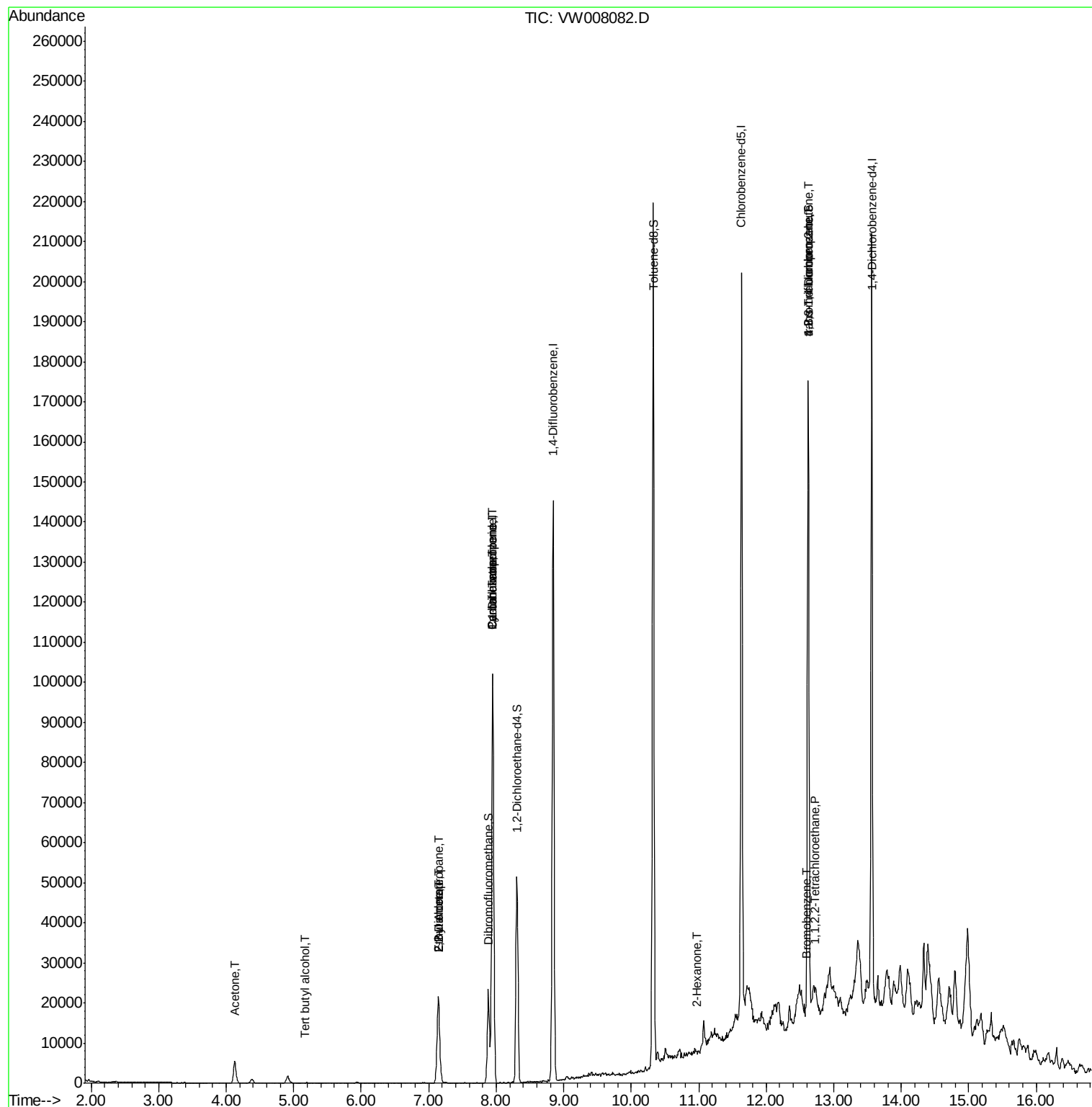
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	119	2.253	ug/l #	71
16) Acetone	4.13	43	9782	77.728	ug/l	96
20) Methylene Chloride	4.92	84	1420	Below Cal	#	93
25) 2-Butanone	7.15	43	1689	11.391	ug/l #	45
26) 2,2-Dichloropropane	7.15	77	1452	1.322	ug/l #	54
31) Cyclohexane	7.95	56	1578	1.270	ug/l #	37
36) 1,1-Dichloropropene	7.95	75	6025	5.010	ug/l #	51
37) Ethyl Acetate	7.15	43	1689	4.675	ug/l #	35
38) Carbon Tetrachloride	7.95	117	8091	5.613	ug/l #	14
59) 2-Hexanone	10.98	43	251	1.088	ug/l #	25
75) 1,1,2,2-Tetrachloroethane	12.72	83	777	1.680	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	27417	75.380	ug/l #	1
77) Bromobenzene	12.58	156	1107	1.417	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	27417	178.262	ug/l #	6

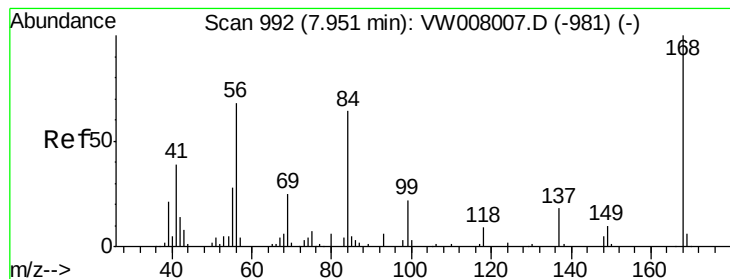
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008082.D

Acq: 07 Jan 2019 20:48

Instrument :

MSVOA_W

ClientSampleId :

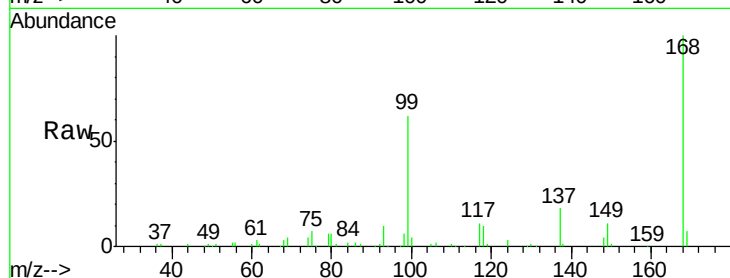
RICH-REC-ROAD-STONE-9

Tot Ion:168 Resp: 73504

Ion Ratio Lower Upper

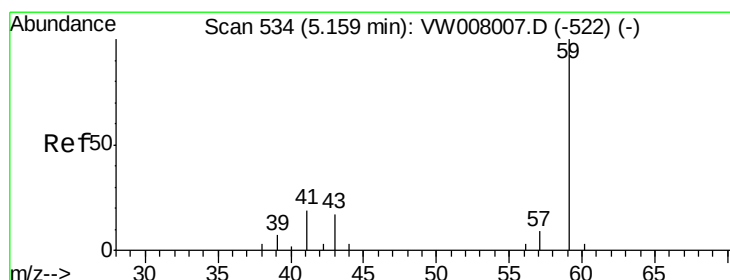
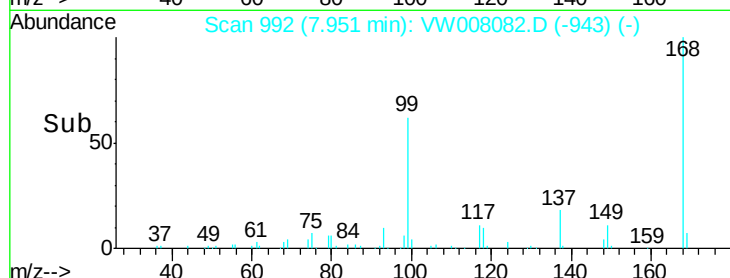
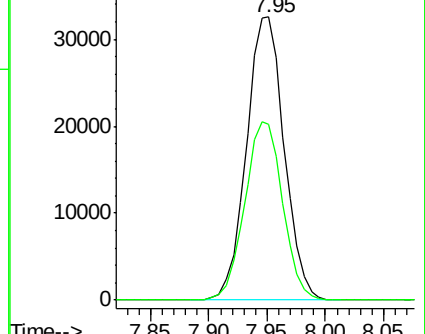
168 100

99 62.0 51.6 77.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.253 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.01 min

Lab File: VW008082.D

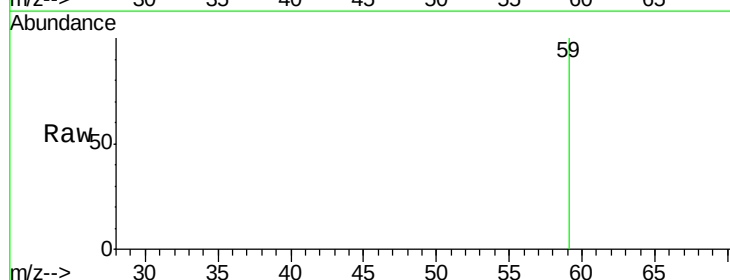
Acq: 07 Jan 2019 20:48

Tgt Ion: 59 Resp: 119

Ion Ratio Lower Upper

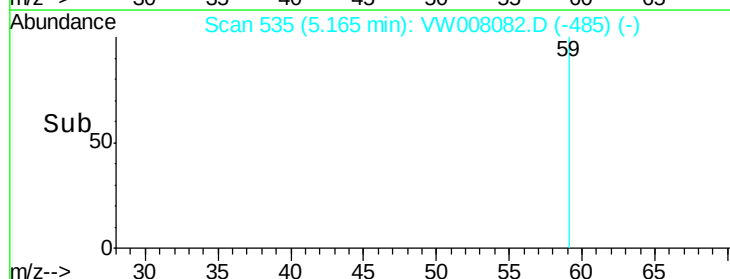
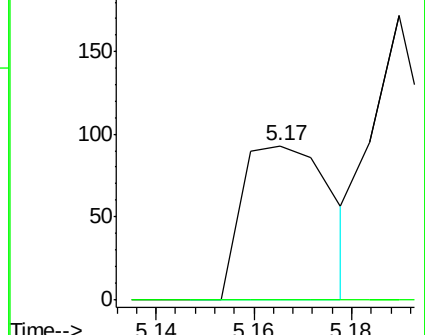
59 100

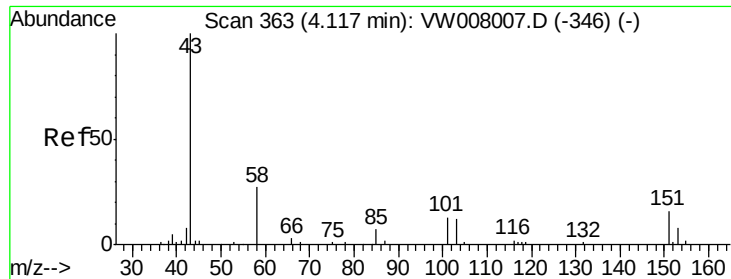
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 77.728 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008082.D

Acq: 07 Jan 2019 20:48

Instrument :

MSVOA_W

ClientSampleId :

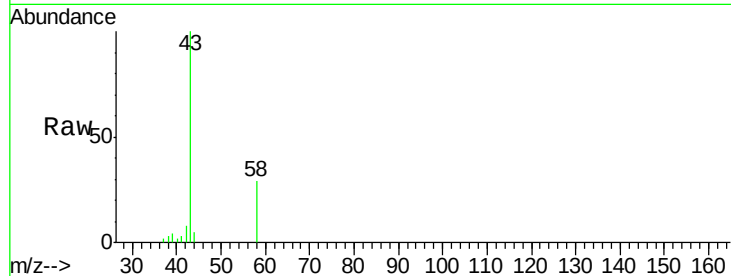
RICH-REC-ROAD-STONE-9

Tot Ion: 43 Resp: 9782

Ion Ratio Lower Upper

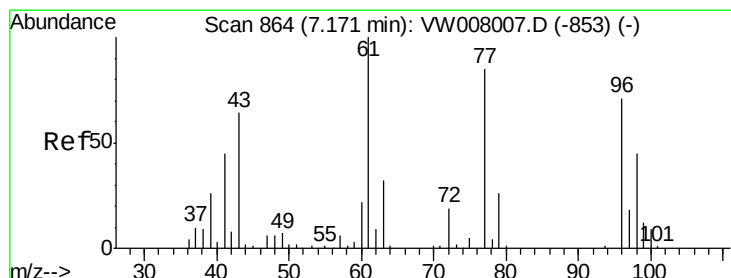
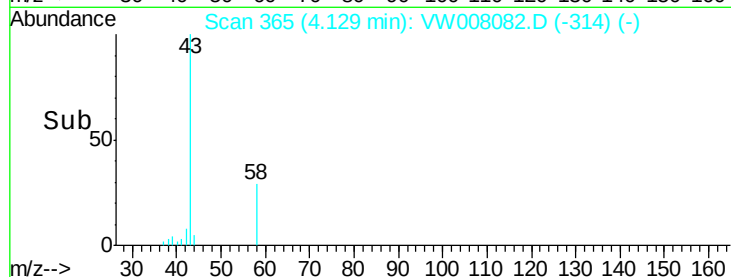
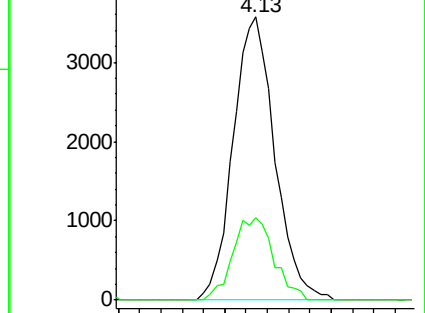
43 100

58 29.3 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

2-Butanone

Concen: 11.391 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008082.D

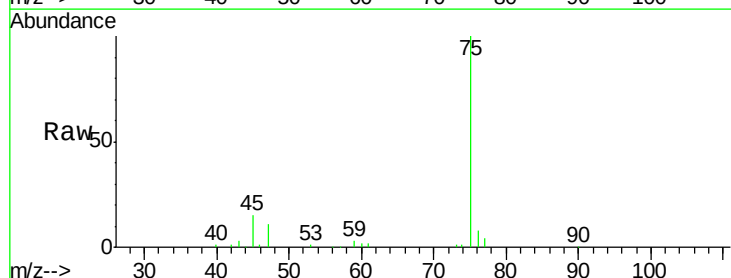
Acq: 07 Jan 2019 20:48

Tgt Ion: 43 Resp: 1689

Ion Ratio Lower Upper

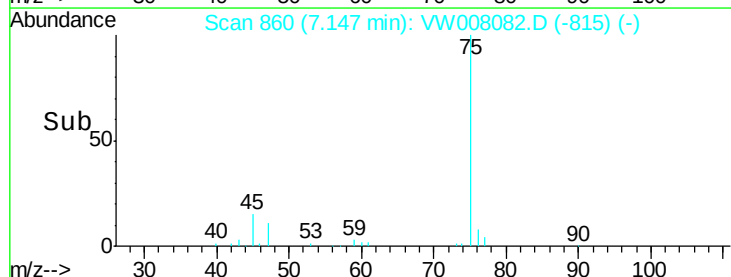
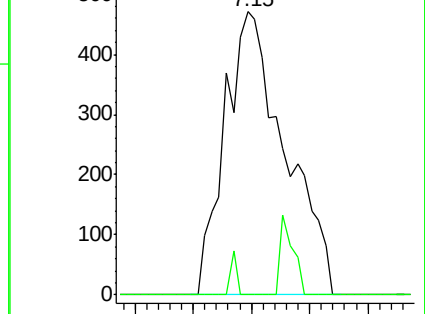
43 100

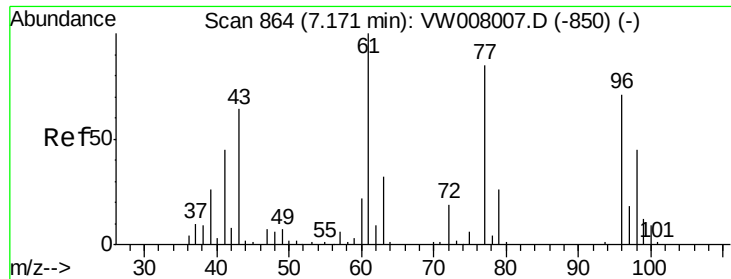
72 0.0 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

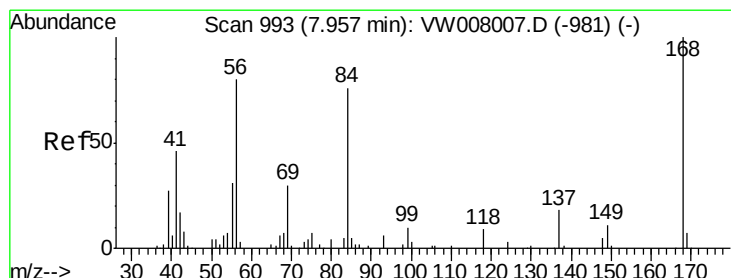
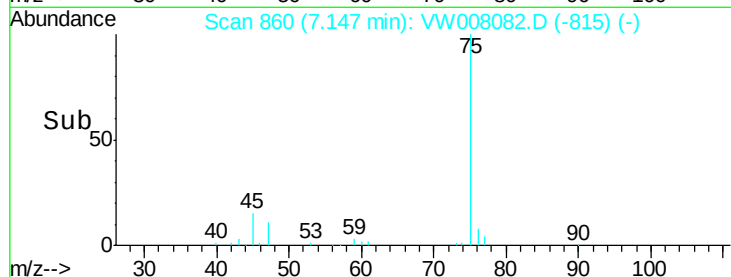
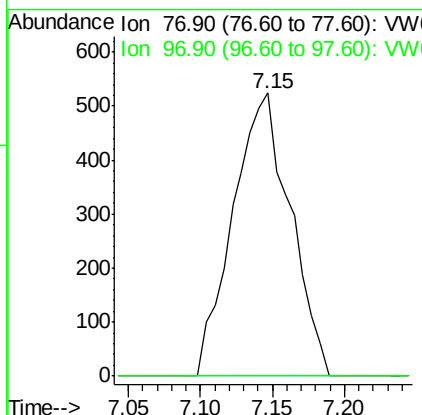
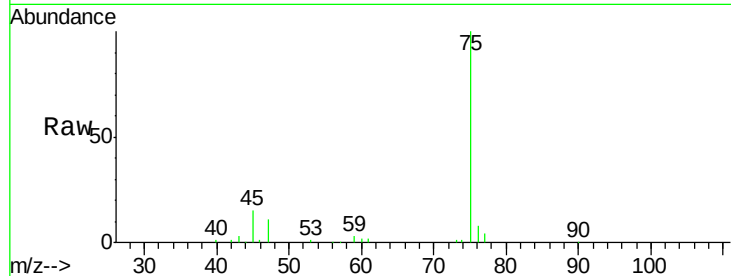




#26
 2,2-Dichloropropane
 Concen: 1.322 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW008082.D
 Acq: 07 Jan 2019 20:48

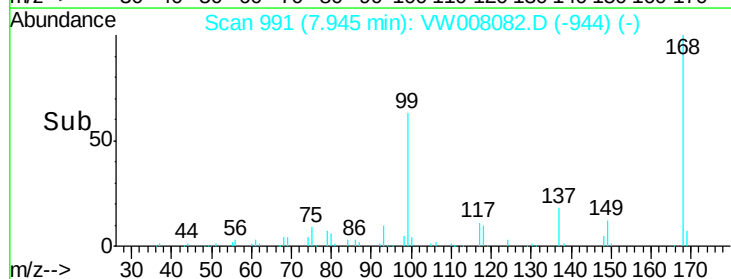
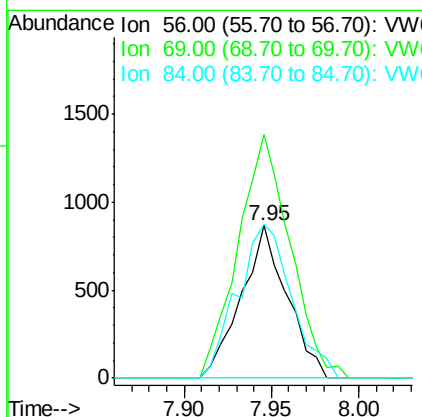
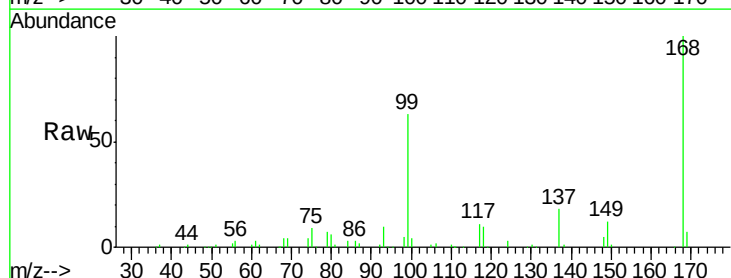
Instrument :
 MSVOA_W
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 RICH-REC-ROAD-STONE-9

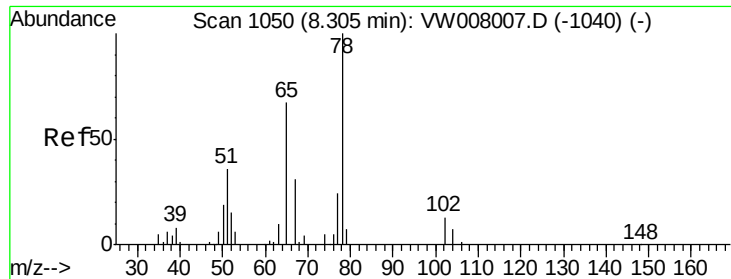
Tot Ion: 77 Resp: 1452
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.0 33.0#



#31
 Cyclohexane
 Concen: 1.270 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VW008082.D
 Acq: 07 Jan 2019 20:48

Tgt Ion: 56 Resp: 1578
 Ion Ratio Lower Upper
 56 100
 69 160.0 29.8 44.6#
 84 100.9 75.2 112.8

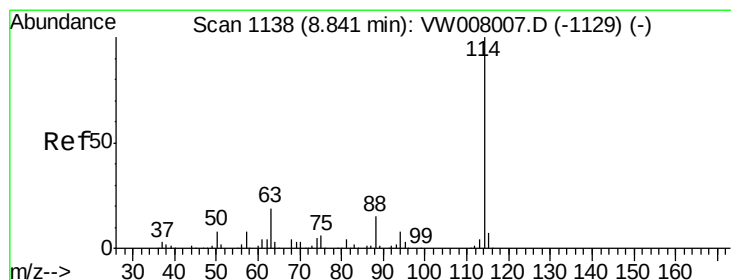
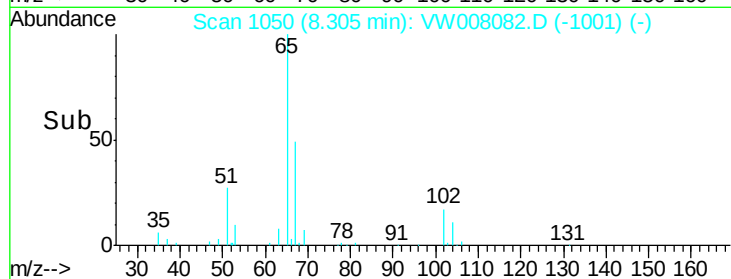
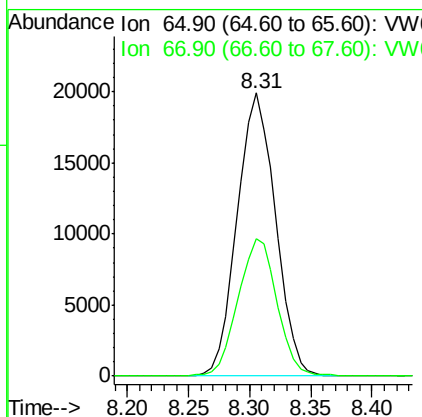
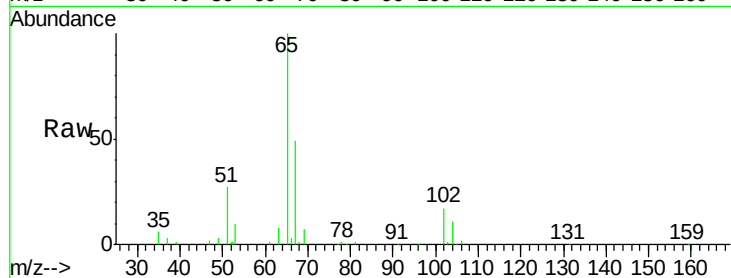




#33
 1,2-Dichloroethane-d4
 Concen: 53.367 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008082.D
 Acq: 07 Jan 2019 20:48

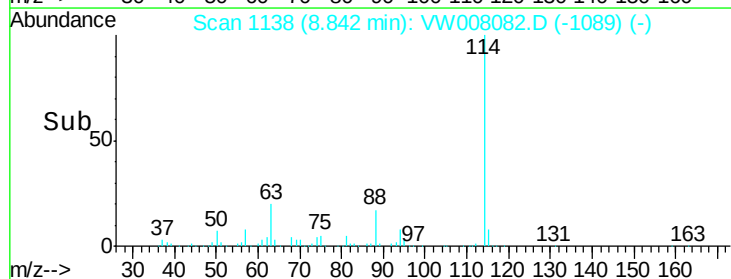
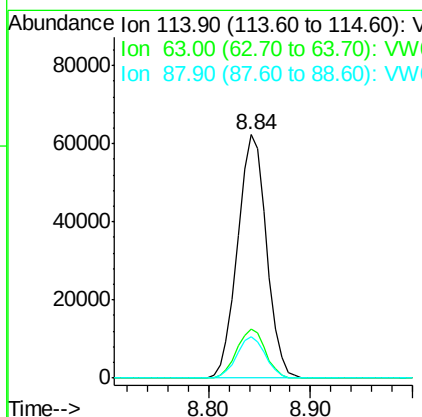
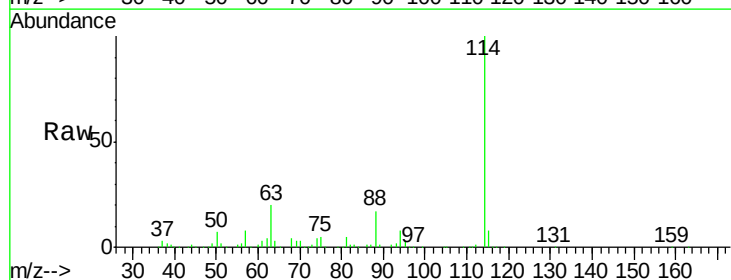
Instrument :
 MSVOA_W
 ClientSampleId :
 RICH-REC-ROAD-STONE-9

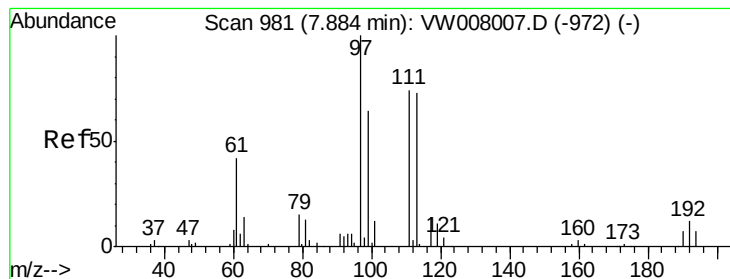
Tot Ion: 65 Resp: 43387
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 94.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008082.D
 Acq: 07 Jan 2019 20:48

Tgt Ion: 114 Resp: 121922
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 37.8
 88 17.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 22.551 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008082.D

Acq: 07 Jan 2019 20:48

Instrument :

MSVOA_W

ClientSampleId :

RICH-REC-ROAD-STONE-9

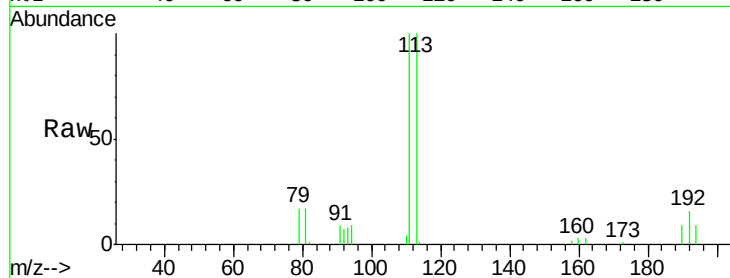
Tot Ion:113 Resp: 17333

Ion Ratio Lower Upper

113 100

111 101.0 81.4 122.0

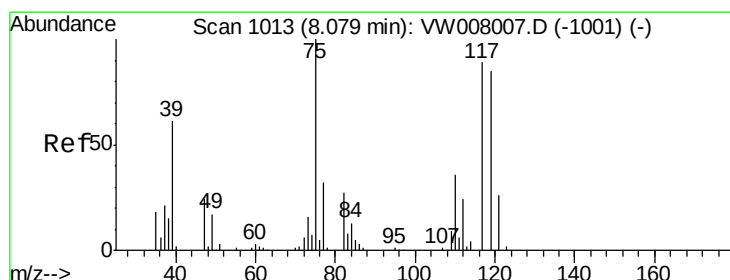
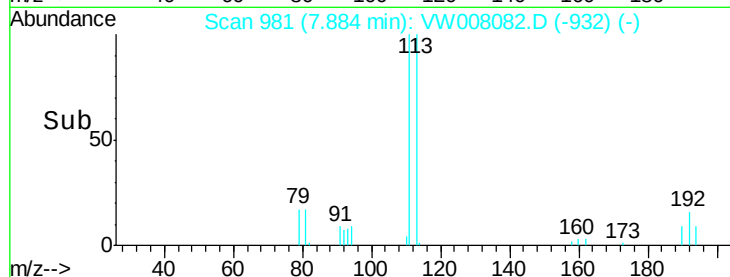
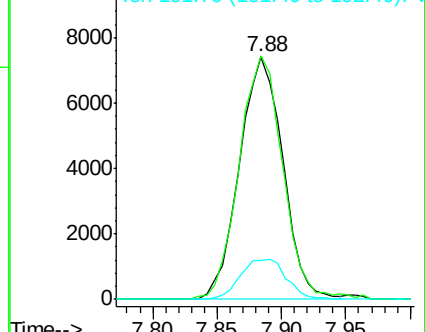
192 17.5 14.8 22.2



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: 5.010 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008082.D

Acq: 07 Jan 2019 20:48

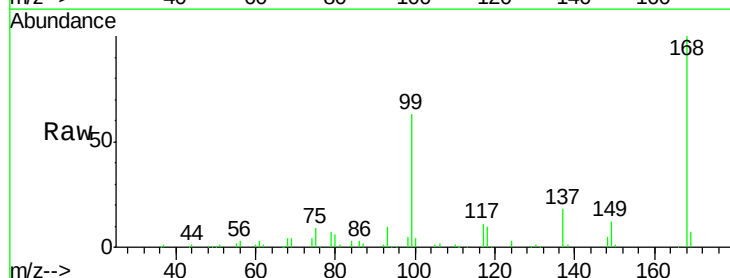
Tgt Ion: 75 Resp: 6025

Ion Ratio Lower Upper

75 100

110 11.7 18.1 54.3#

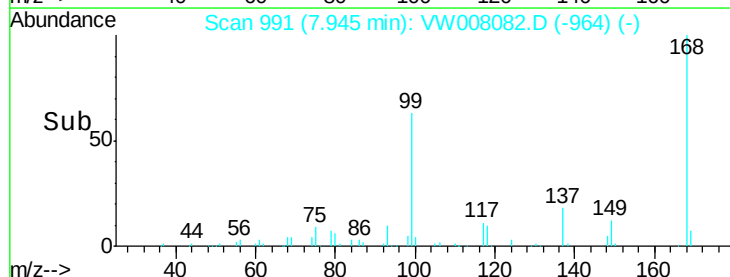
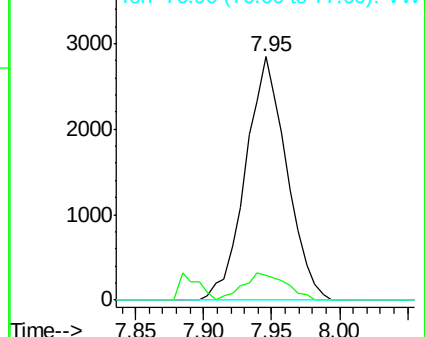
77 0.0 25.3 37.9#

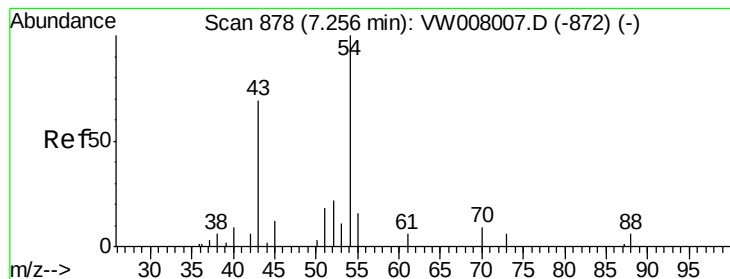


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 4.675 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.11 min

Lab File: VW008082.D

Acq: 07 Jan 2019 20:48

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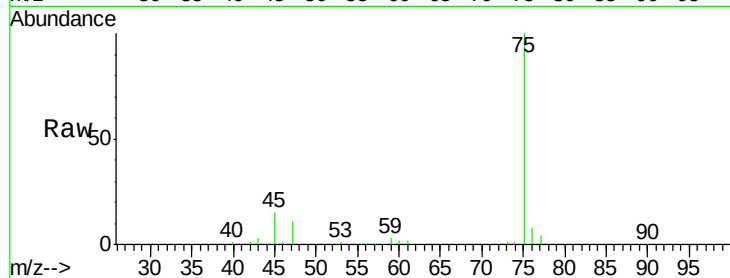
Tot Ion: 43 Resp: 1689

Ion Ratio Lower Upper

43 100

61 52.6 11.4 17.2#

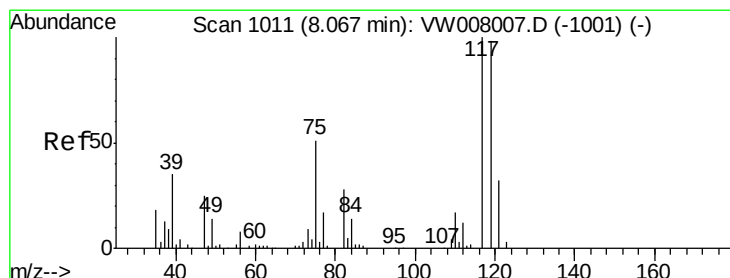
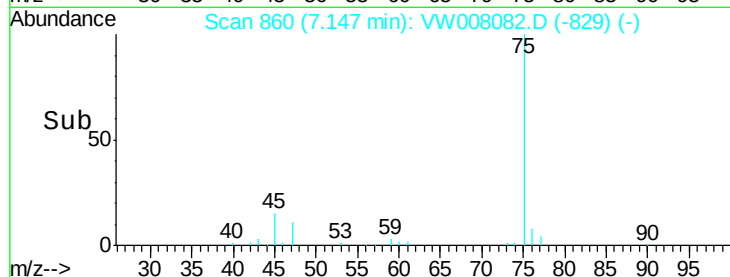
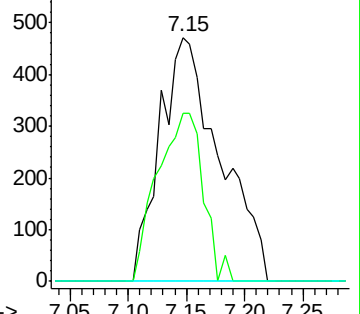
70 0.0 9.4 14.0#



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: 5.613 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008082.D

Acq: 07 Jan 2019 20:48

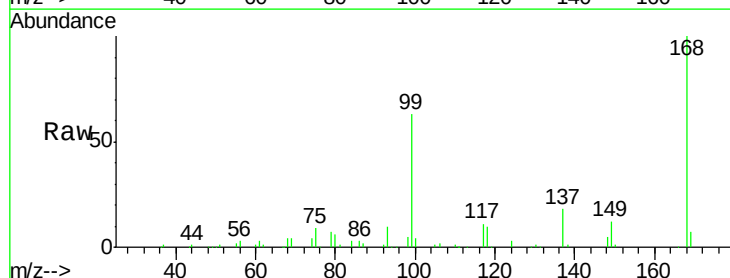
Tgt Ion: 117 Resp: 8091

Ion Ratio Lower Upper

117 100

119 4.0 78.7 118.1#

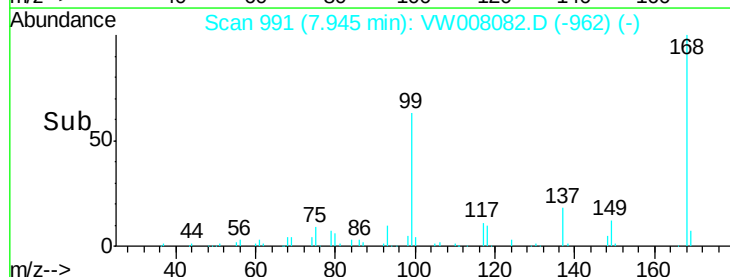
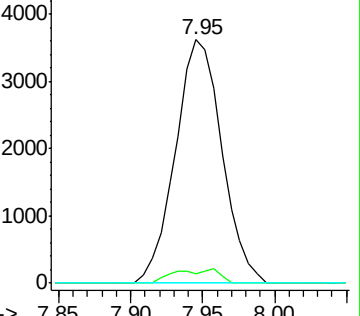
121 0.0 25.8 38.8#

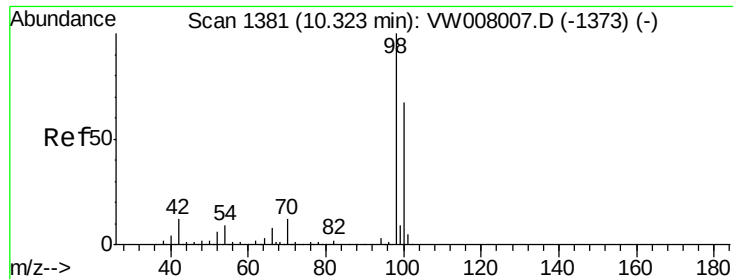


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

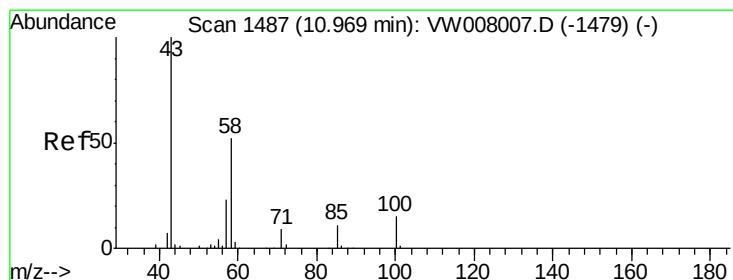
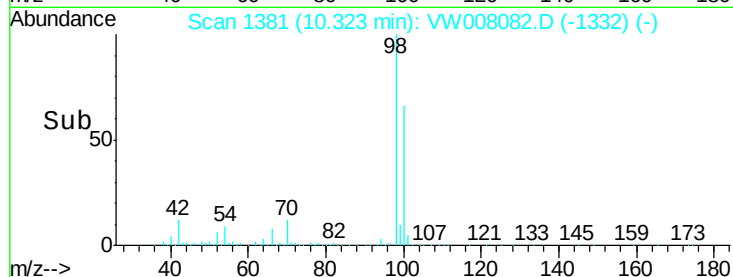
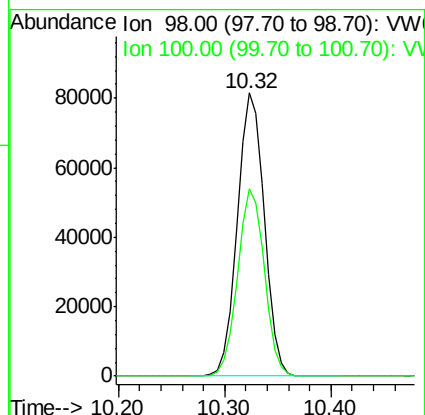
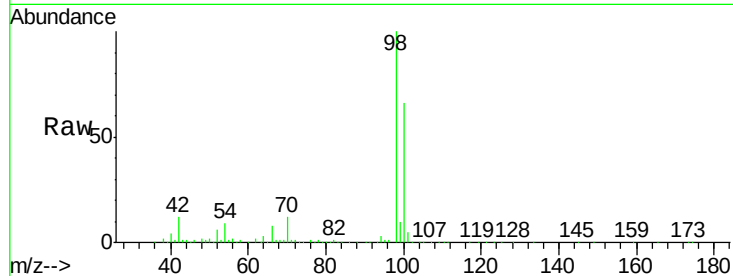




#50
Toluene-d8
Concen: 50.289 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008082.D
Acq: 07 Jan 2019 20:48

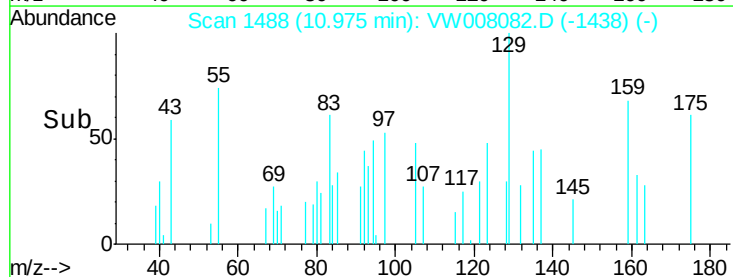
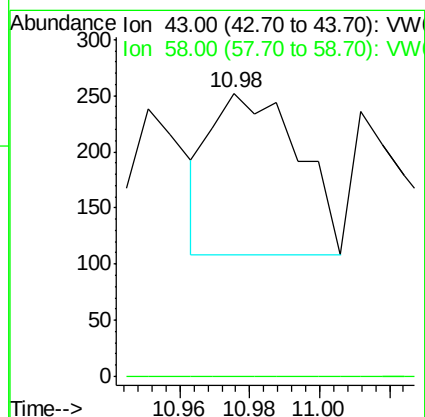
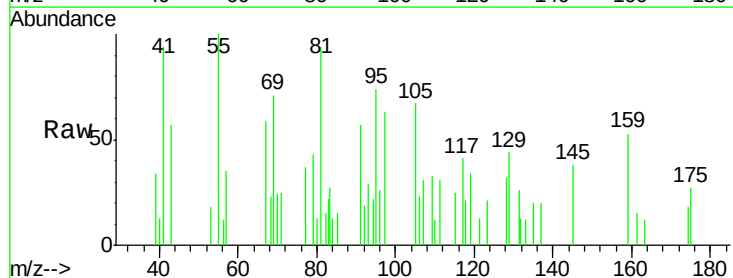
Instrument :
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RICH-REC-ROAD-STONE-9

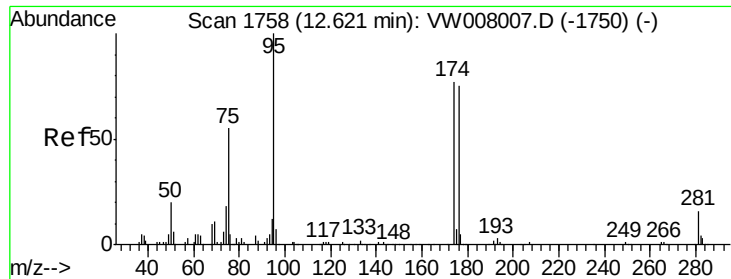
Tot Ion: 98 Resp: 144994
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3



#59
2-Hexanone
Concen: 1.088 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW008082.D
Acq: 07 Jan 2019 20:48

Tgt Ion: 43 Resp: 251
Ion Ratio Lower Upper
43 100
58 0.0 27.1 81.2#





#62

4-Bromofluorobenzene

Concen: 48.017 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008082.D

Acq: 07 Jan 2019 20:48

Instrument :

MSVOA_W

ClientSampleId :

RICH-REC-ROAD-STONE-9

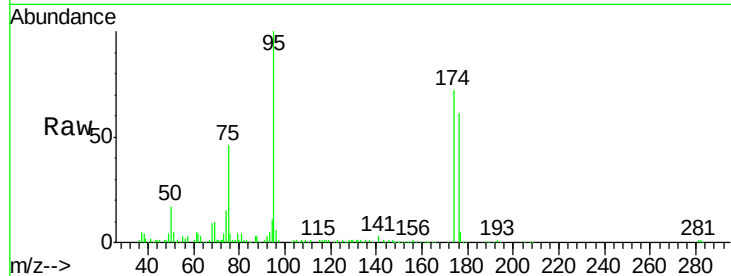
Tot Ion: 95 Resp: 53094

Ion Ratio Lower Upper

95 100

174 72.0 0.0 149.6

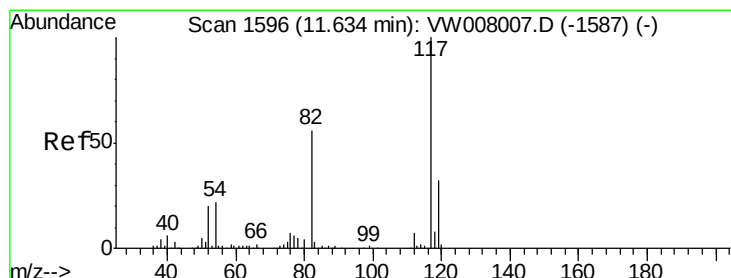
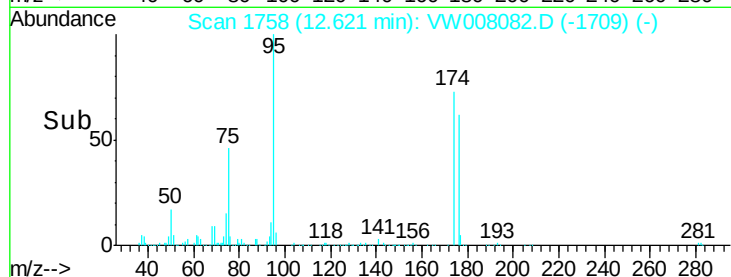
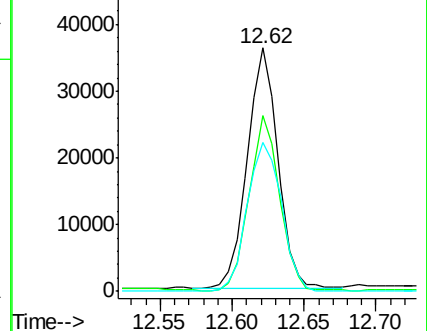
176 69.2 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008082.D

Acq: 07 Jan 2019 20:48

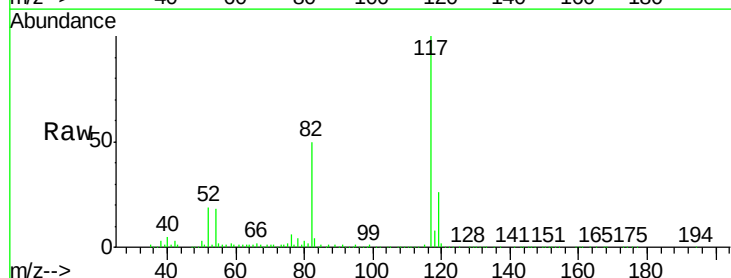
Tgt Ion: 117 Resp: 105266

Ion Ratio Lower Upper

117 100

82 49.7 44.8 67.2

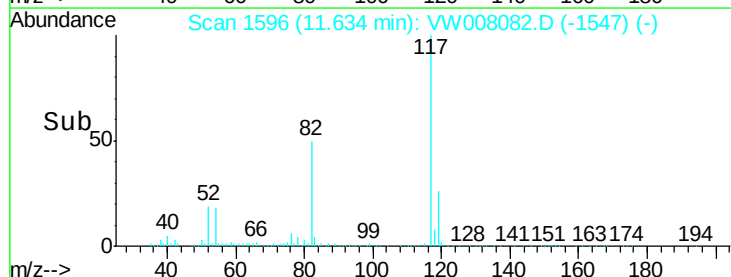
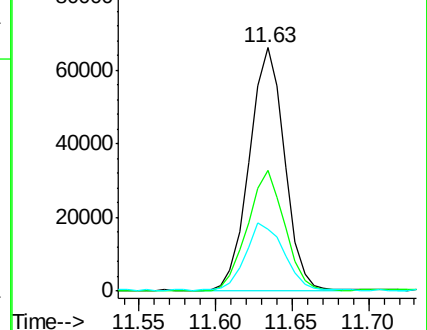
119 25.3 25.6 38.4#

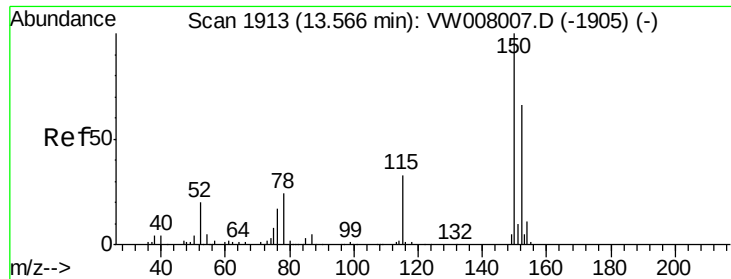


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



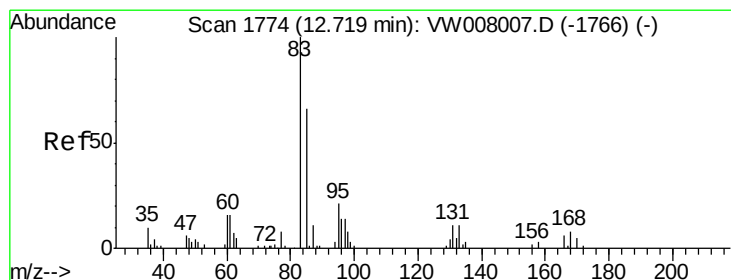
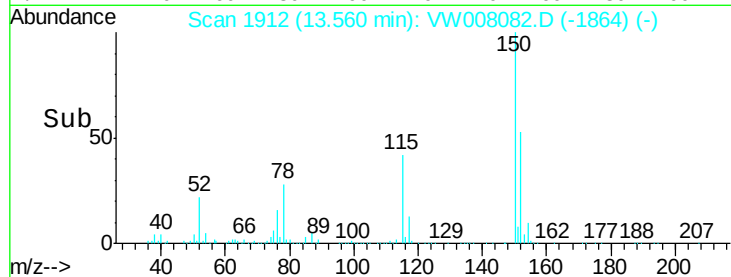
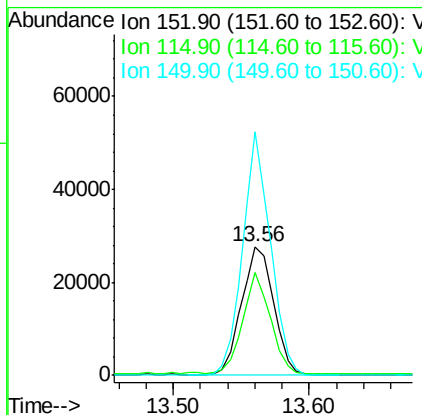
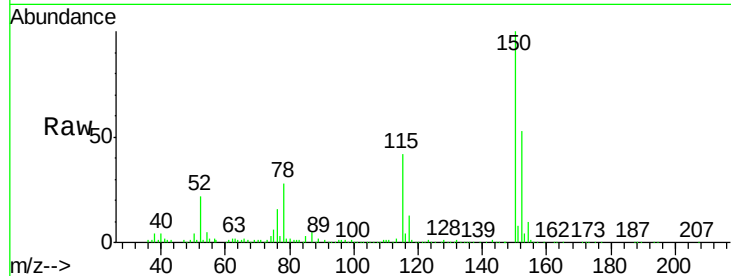


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW008082.D
Acq: 07 Jan 2019 20:48

Instrument :
MSVOA_W
ClientSampleId :
RICH-REC-ROAD-STONE-9

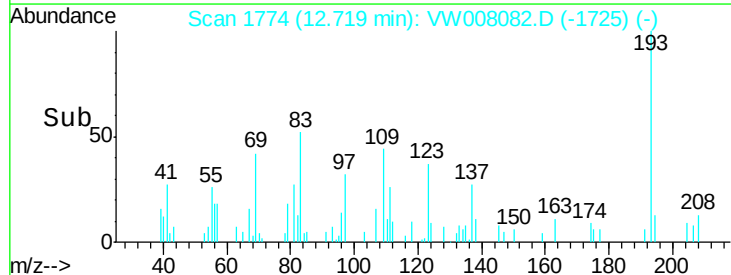
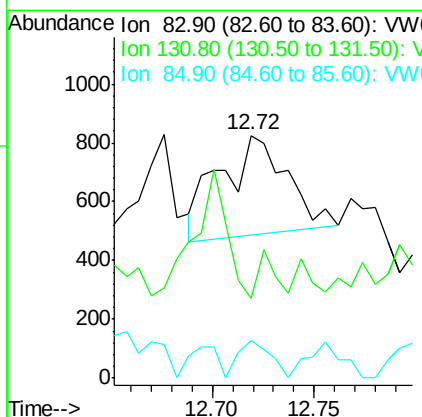
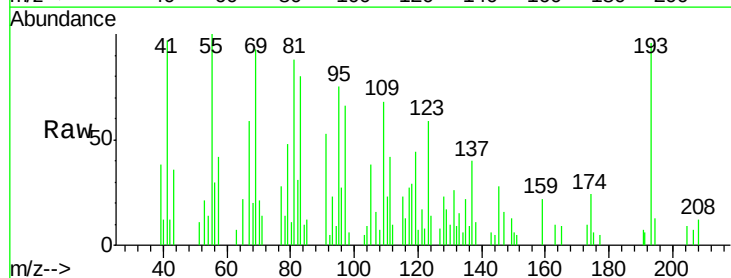
Tot Ion:152 Resp: 45719
Ion Ratio Lower Upper
152 100
115 67.9 32.1 96.5
150 164.6 0.0 345.0

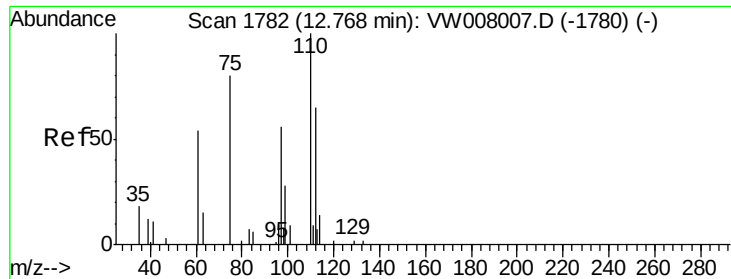


#75

1,1,2,2-Tetrachloroethane
Concen: 1.680 ug/l
RT: 12.72 min Scan# 1774
Delta R.T. 0.00 min
Lab File: VW008082.D
Acq: 07 Jan 2019 20:48

Tgt Ion: 83 Resp: 777
Ion Ratio Lower Upper
83 100
131 12.1 6.5 19.5
85 17.8 32.8 98.3#





#76

1,2,3-Trichloropropane

Concen: 75.380 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008082.D

Acq: 07 Jan 2019 20:48

Instrument :

MSVOA_W

ClientSampleId :

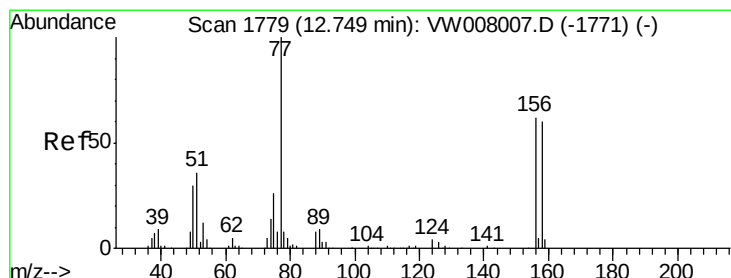
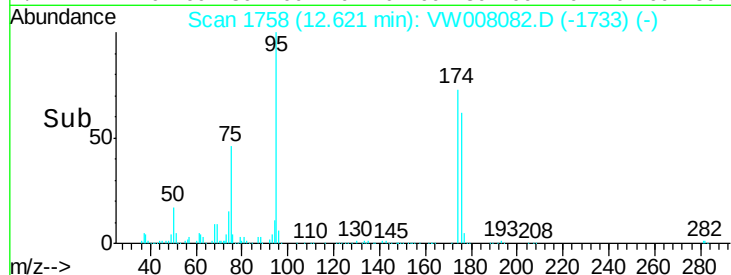
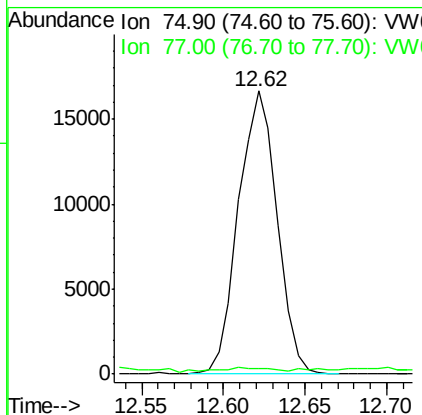
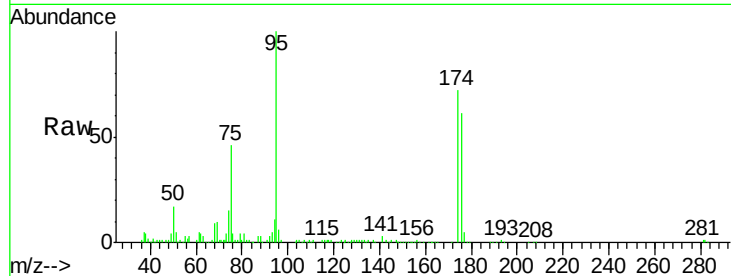
RICH-REC-ROAD-STONE-9

Tot Ion: 75 Resp: 27417

Ion Ratio Lower Upper

75 100

77 1.3 186.2 558.6#



#77

Bromobenzene

Concen: 1.417 ug/l

RT: 12.58 min Scan# 1752

Delta R.T. -0.16 min

Lab File: VW008082.D

Acq: 07 Jan 2019 20:48

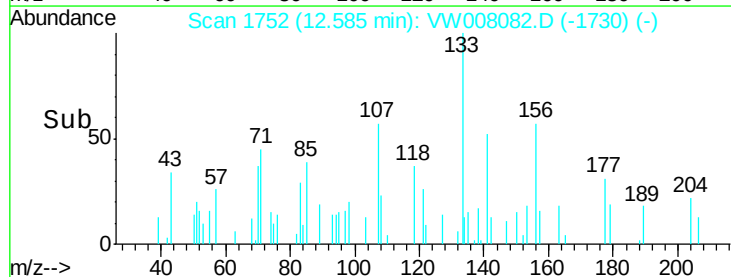
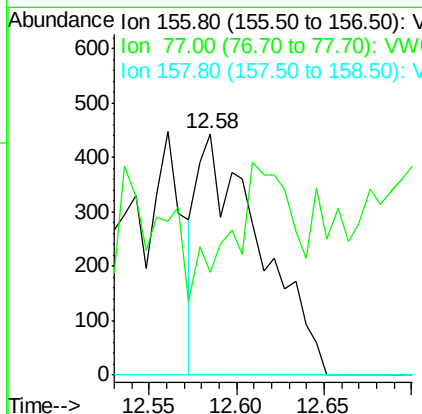
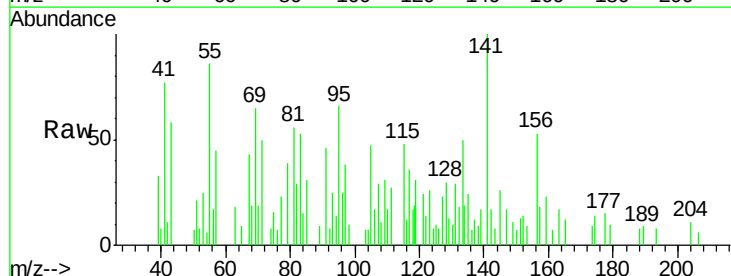
Tgt Ion: 156 Resp: 1107

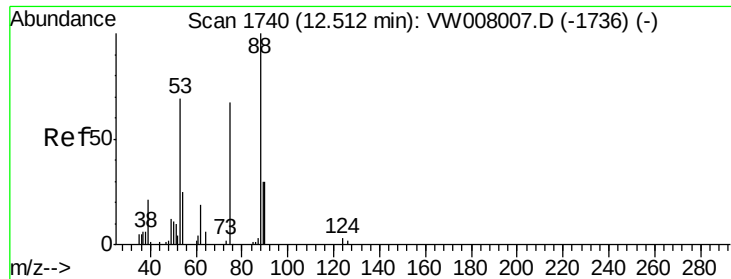
Ion Ratio Lower Upper

156 100

77 0.0 87.9 263.8#

158 0.0 47.8 143.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 178.262 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008082.D

Acq: 07 Jan 2019 20:48

Instrument :

MSVOA_W

ClientSampleId :

RICH-REC-ROAD-STONE-9

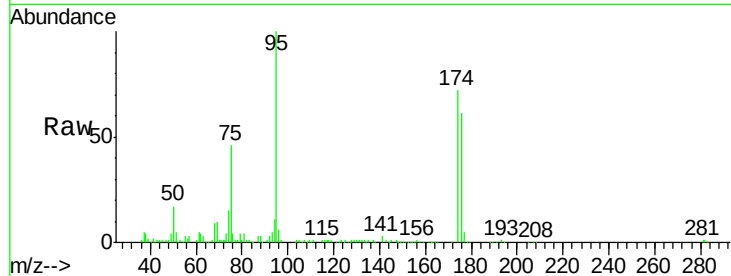
Tot Ion: 75 Resp: 27417

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.1 42.2 63.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

