

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010919\
 Data File : VW008098.D
 Acq On : 09 Jan 2019 13:03
 Operator : SY/AP
 Sample : K1073-02RE
 Misc : 4.39G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jan 10 05:56:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	83028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	148204	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	129835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59316	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	49542	53.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.18%	
35) Dibromofluoromethane	7.88	113	20812	24.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	48.16%	
50) Toluene-d8	10.32	98	184571	50.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.62	95	61430	47.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.48%	

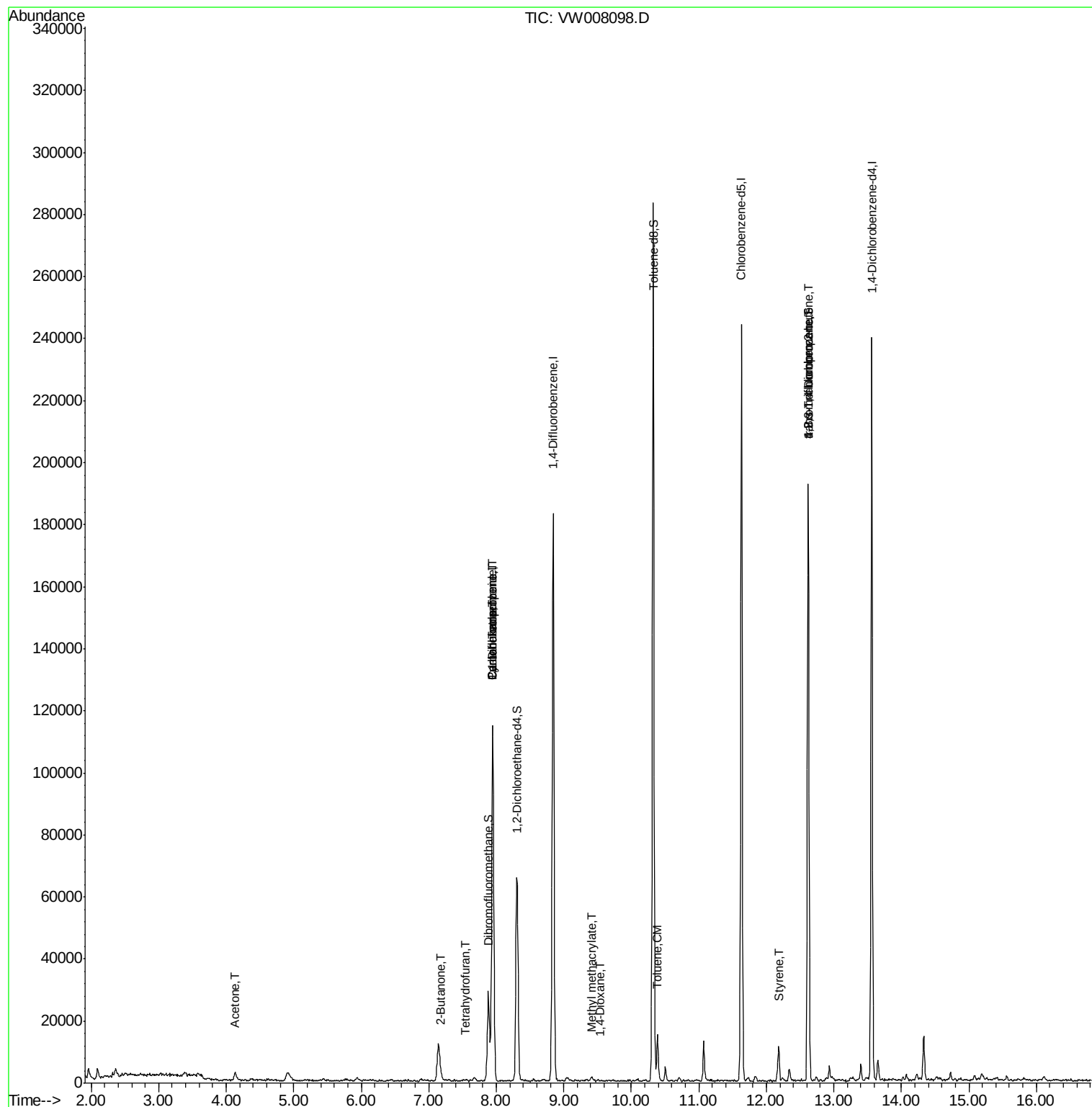
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	556	Below Cal	#	100
13) Acrolein	3.90	56	43	Below Cal	#	14
16) Acetone	4.14	43	4296	4.874	ug/l	99
20) Methylene Chloride	4.92	84	2104	Below Cal	#	66
25) 2-Butanone	7.18	43	364	1.402	ug/l #	49
29) Tetrahydrofuran	7.55	42	298	1.718	ug/l #	41
31) Cyclohexane	7.95	56	2264	1.153	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	7117	4.662	ug/l #	50
38) Carbon Tetrachloride	7.95	117	8735	6.251	ug/l #	17
48) Methyl methacrylate	9.43	41	944	1.636	ug/l #	25
49) 1,4-Dioxane	9.53	88	19	2.343	ug/l #	11
52) Toluene	10.39	92	6310	2.386	ug/l	99
70) Styrene	12.18	104	4941	1.773	ug/l #	86
76) 1,2,3-Trichloropropane	12.62	75	31312	57.907	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	31312	134.848	ug/l #	10

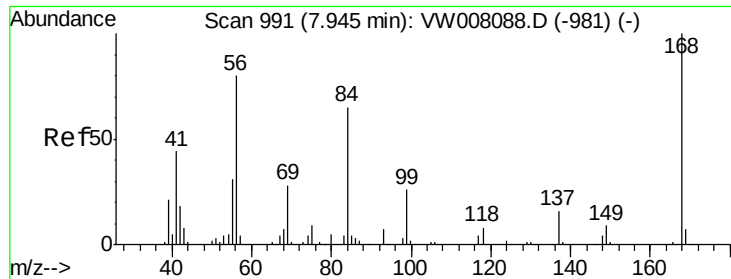
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW010919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008098.D

Acq: 09 Jan 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

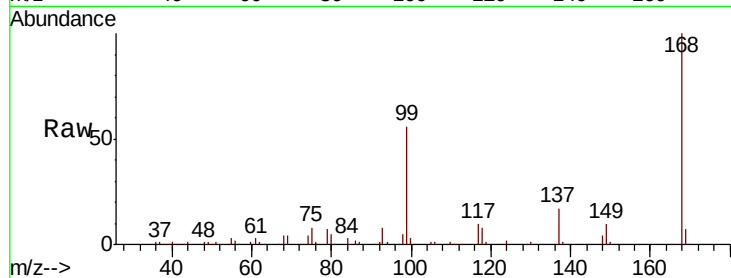
RICH-REC-ROAD-STONE-9RE

Tgt Ion: 168 Resp: 83028

Ion Ratio Lower Upper

168 100

99 56.0 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

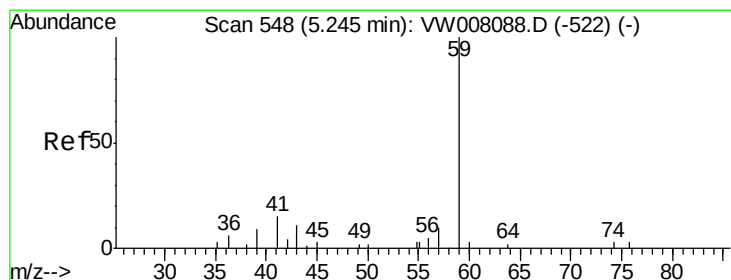
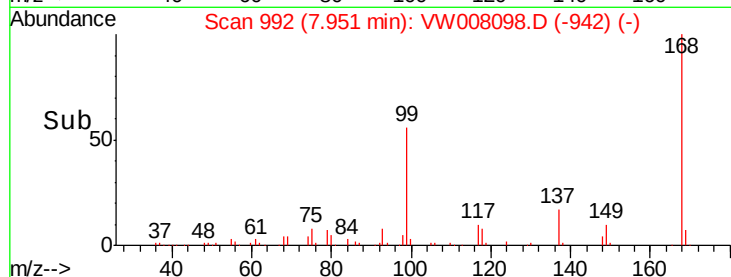
20000

10000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 542

Delta R.T. -0.04 min

Lab File: VW008098.D

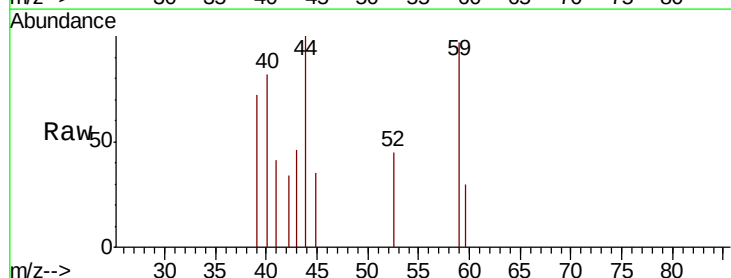
Acq: 09 Jan 2019 13:03

Tgt Ion: 59 Resp: 556

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

250

200

150

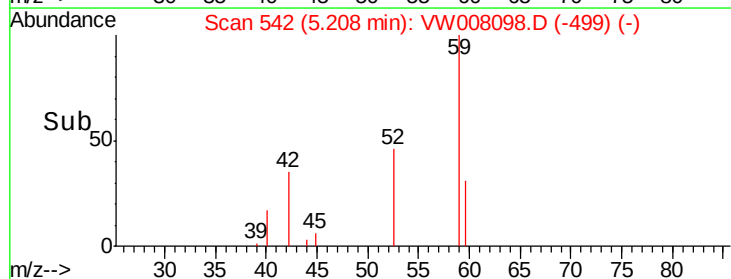
100

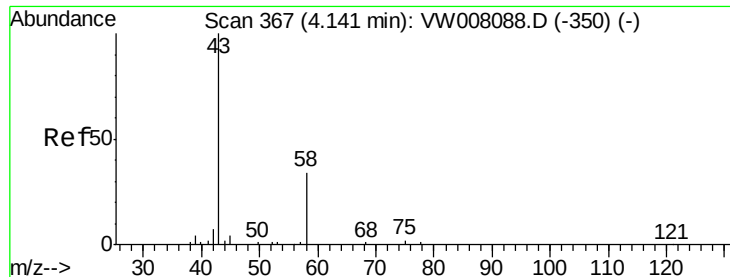
50

0

5.15 5.20 5.25

Time-->





#16

Acetone

Concen: 4.874 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW008098.D

Acq: 09 Jan 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

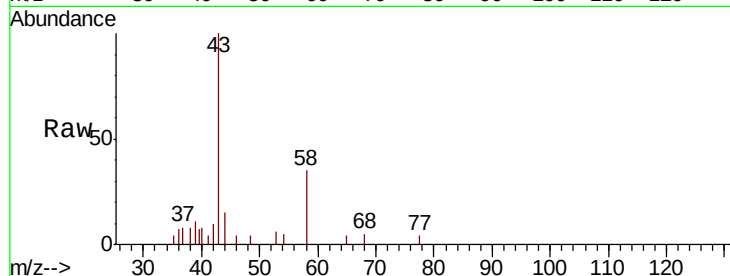
RICH-REC-ROAD-STONE-9RE

Tgt Ion: 43 Resp: 4296

Ion Ratio Lower Upper

43 100

58 35.1 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

1500

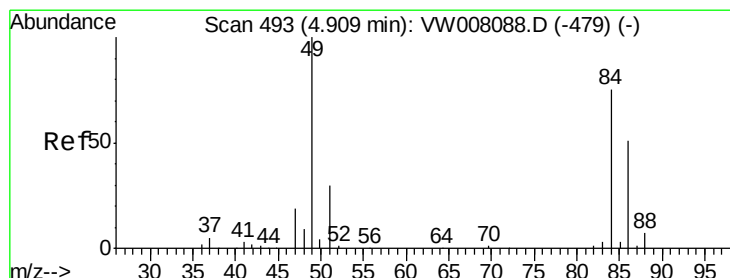
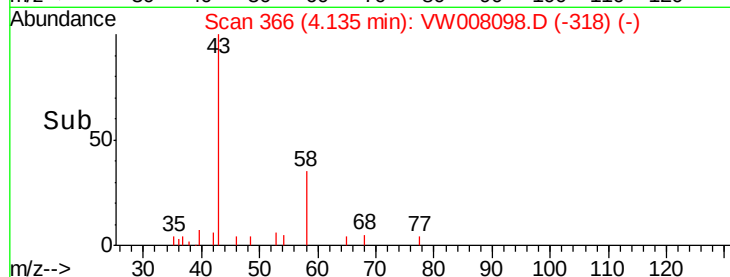
1000

500

0

4.00 4.05 4.10 4.15 4.20

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW008098.D

Acq: 09 Jan 2019 13:03

Tgt Ion: 84 Resp: 2104

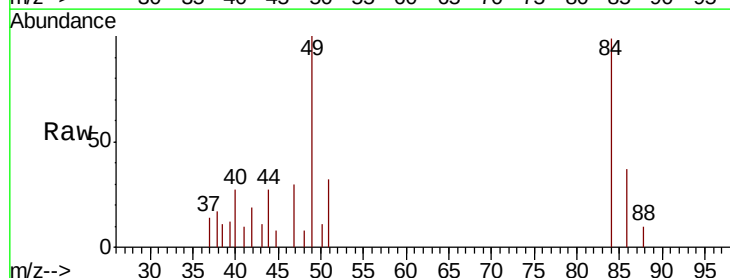
Ion Ratio Lower Upper

84 100

49 89.1 107.1 160.7#

51 32.3 32.4 48.6#

86 37.6 54.2 81.4#



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

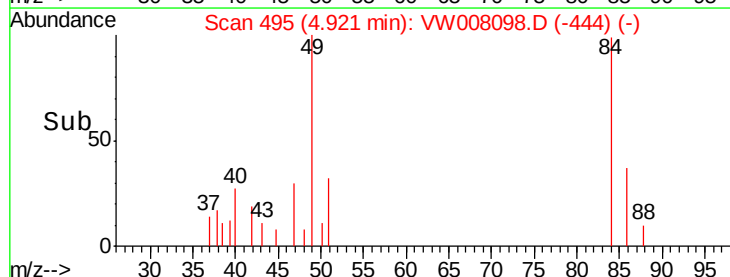
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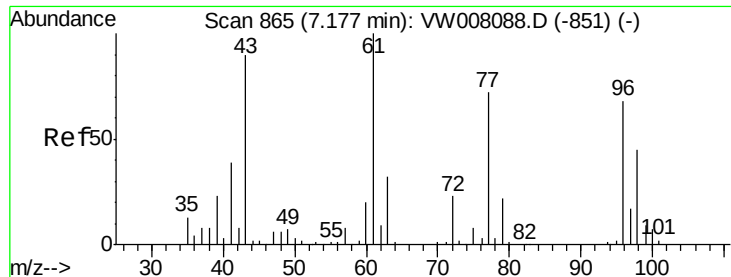
500

0

4.85 4.90 4.95 5.00

Time-->





#25

2-Butanone

Concen: 1.402 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW008098.D

Acq: 09 Jan 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

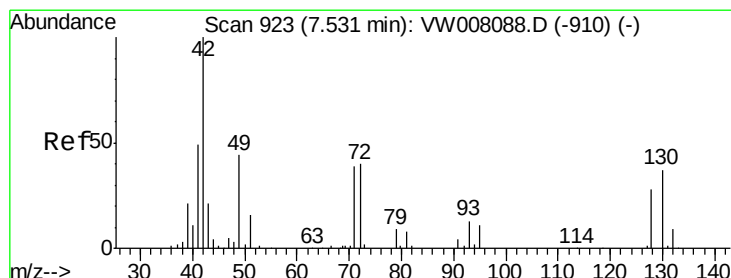
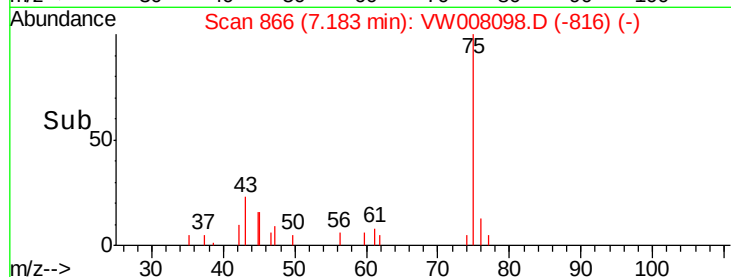
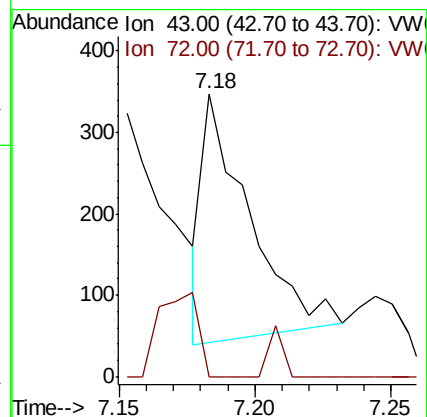
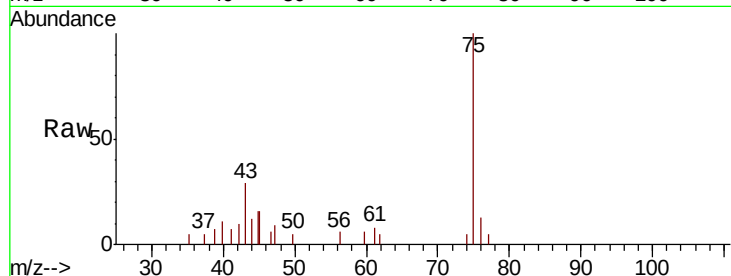
RICH-REC-ROAD-STONE-9RE

Tgt Ion: 43 Resp: 364

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#29

Tetrahydrofuran

Concen: 1.718 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW008098.D

Acq: 09 Jan 2019 13:03

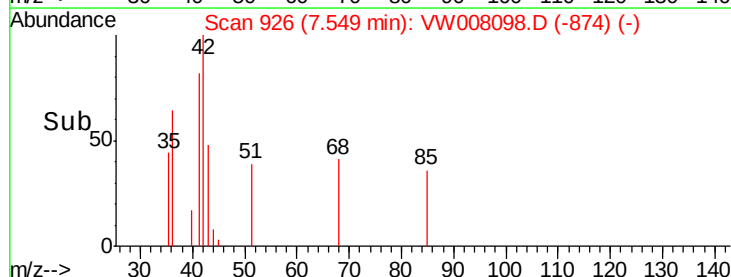
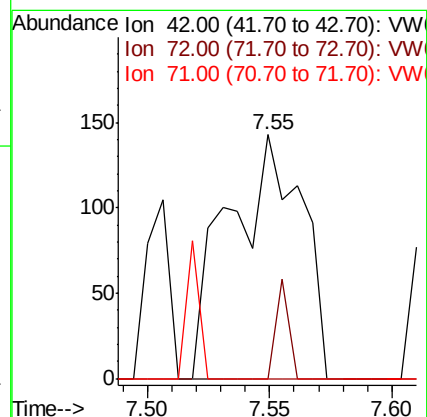
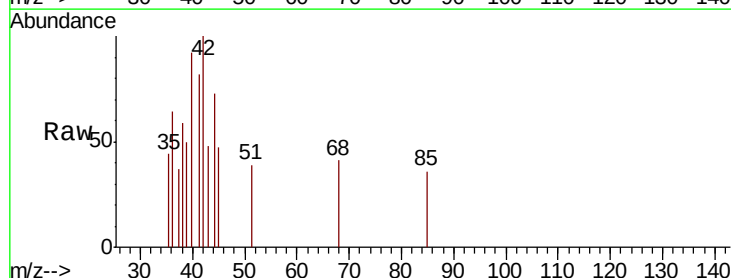
Tgt Ion: 42 Resp: 298

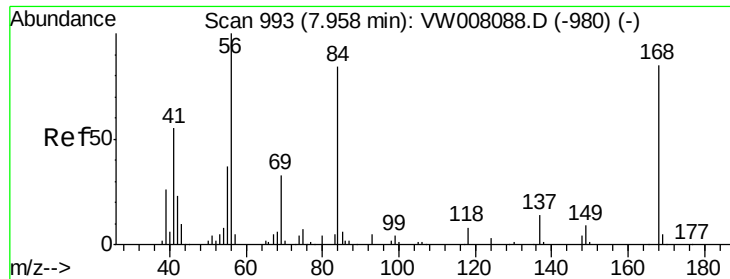
Ion Ratio Lower Upper

42 100

72 7.0 32.4 48.6#

71 0.0 31.3 46.9#

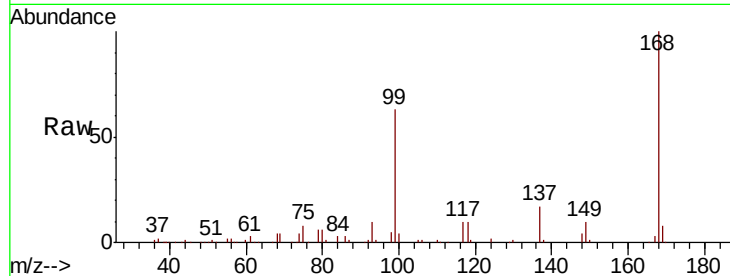




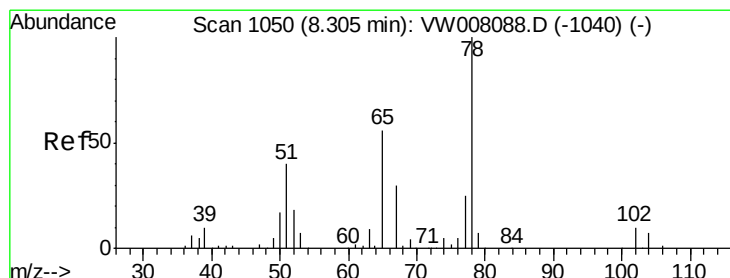
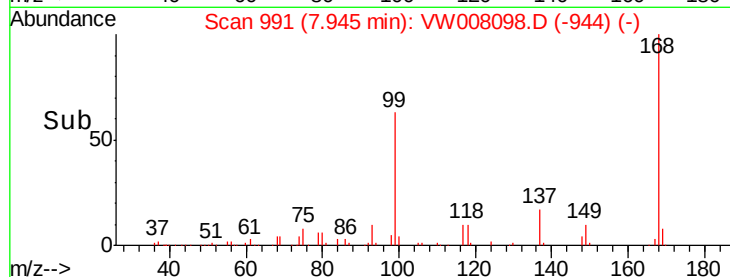
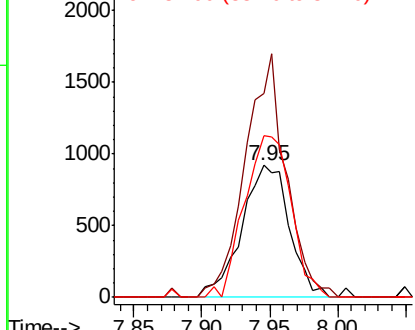
#31
Cyclohexane
Concen: 1.153 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008098.D
Acq: 09 Jan 2019 13:03

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

Tgt Ion: 56 Resp: 2264
Ion Ratio Lower Upper
56 100
69 154.8 26.2 39.4#
84 122.0 67.4 101.2#

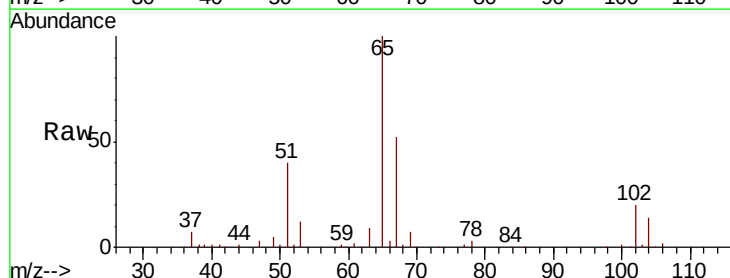


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

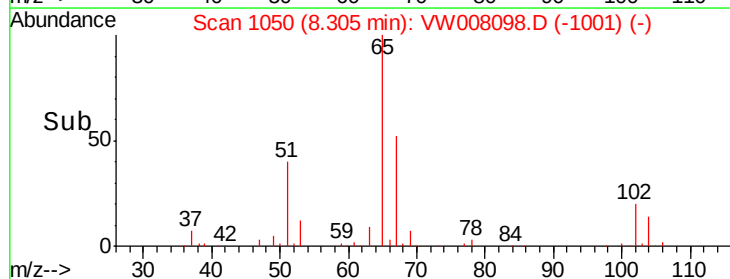
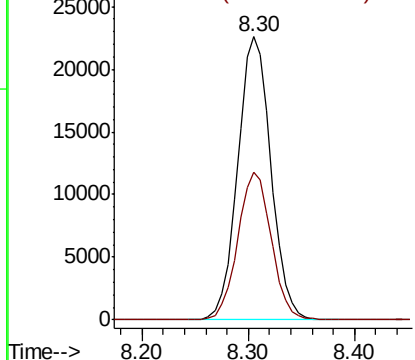


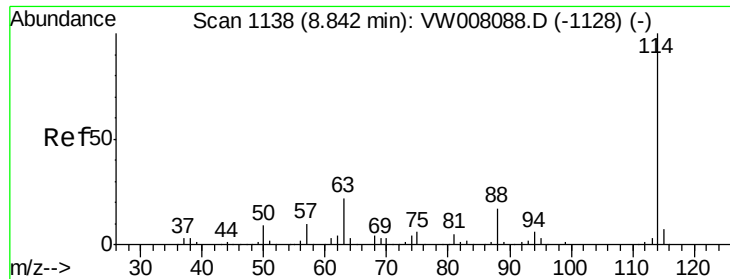
#33
1,2-Dichloroethane-d4
Concen: 53.090 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008098.D
Acq: 09 Jan 2019 13:03

Tgt Ion: 65 Resp: 49542
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

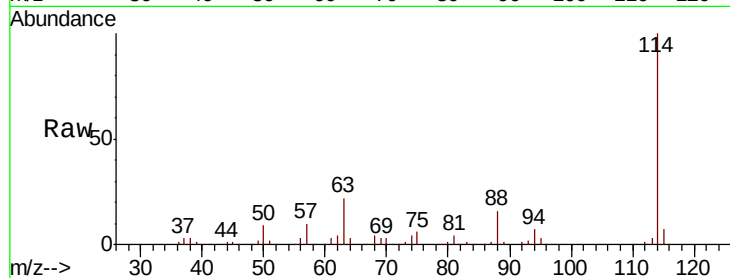




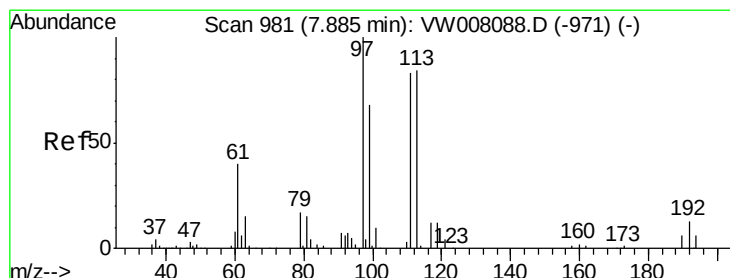
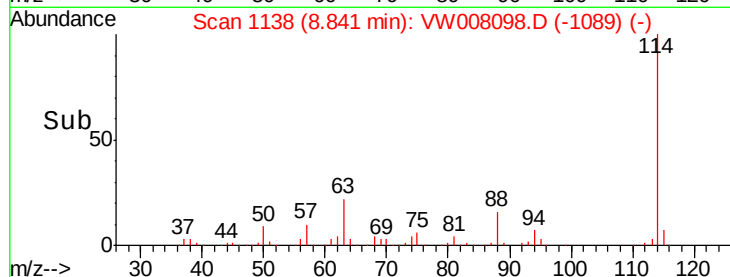
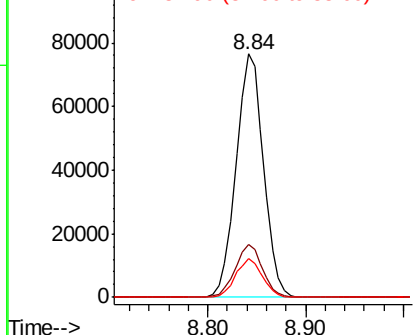
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008098.D
 Acq: 09 Jan 2019 13:03

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

Tgt Ion:114 Resp: 148204
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.4
 88 16.0 0.0 33.4

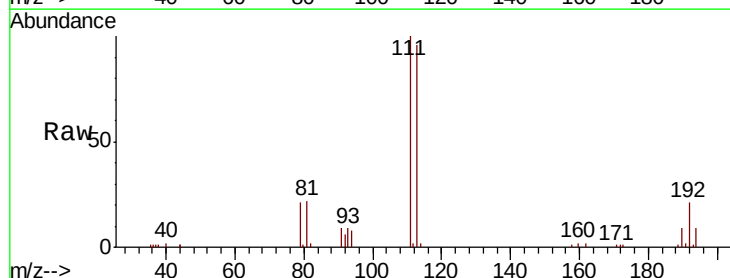


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

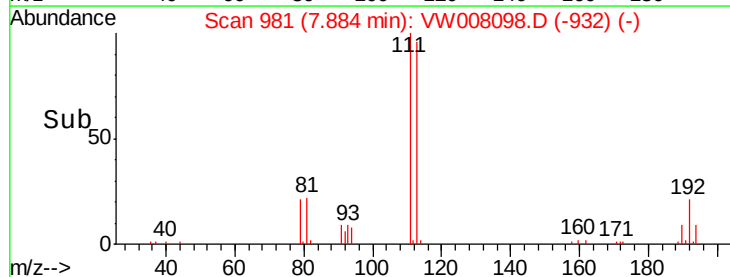
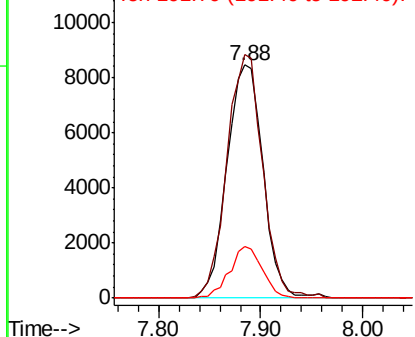


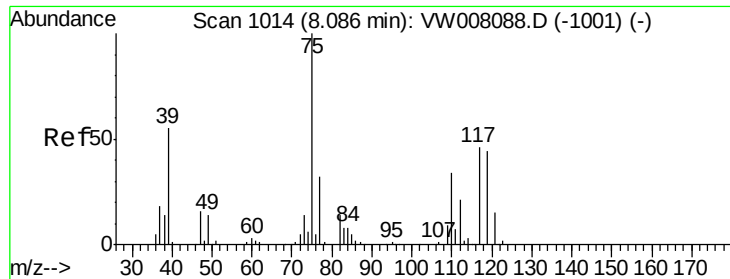
#35
 Dibromofluoromethane
 Concen: 24.077 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008098.D
 Acq: 09 Jan 2019 13:03

Tgt Ion:113 Resp: 20812
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.8 122.8
 192 20.0 12.8 19.2#



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

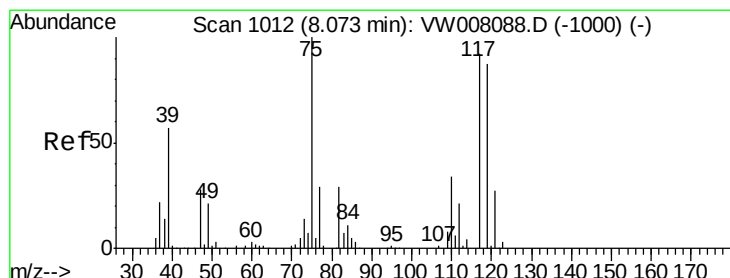
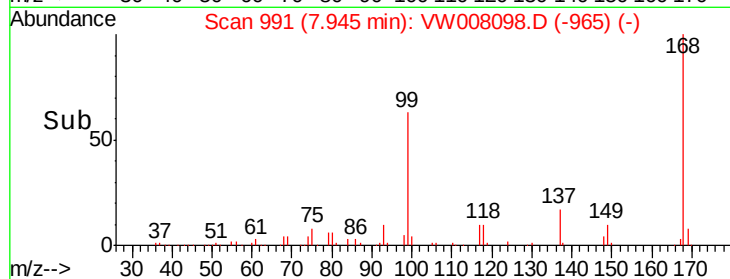
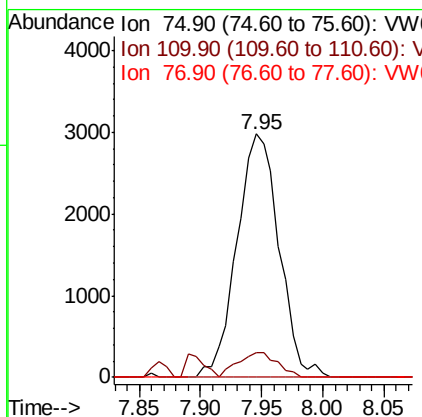
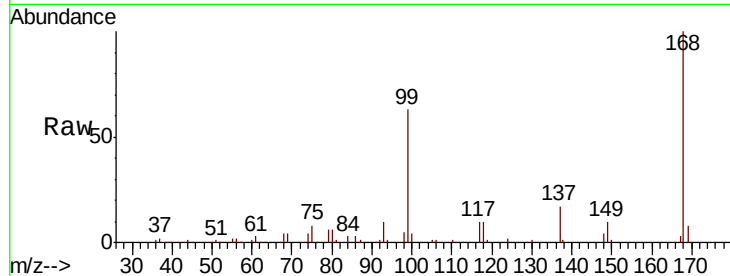




#36
 1,1-Dichloropropene
 Concen: 4.662 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008098.D
 Acq: 09 Jan 2019 13:03

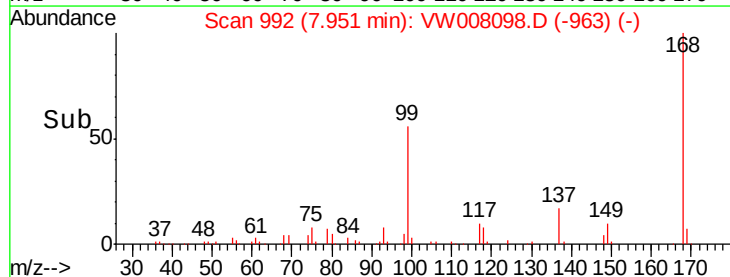
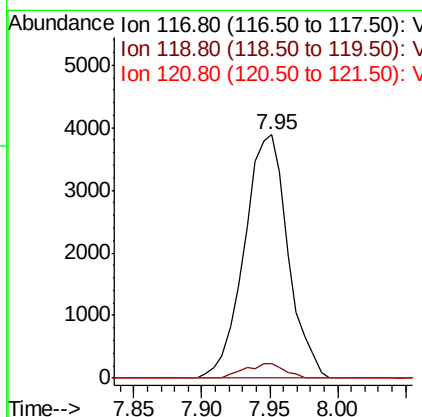
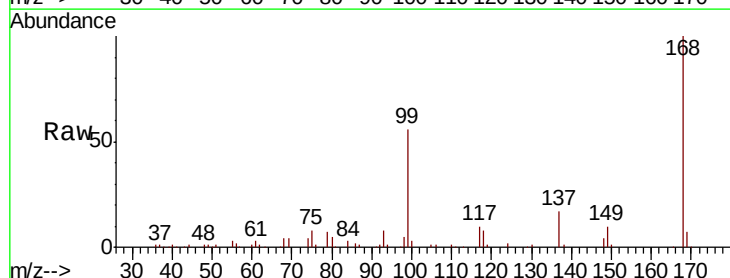
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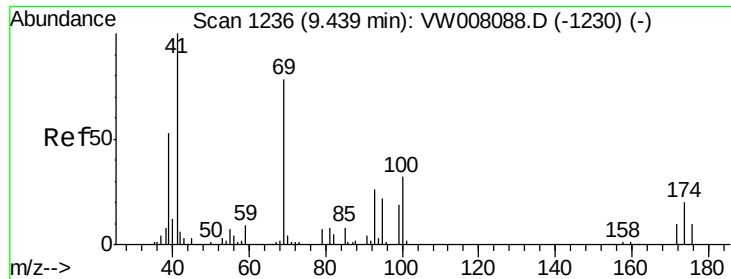
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.1	51.3#
77	0.0	25.5	38.3#



#38
 Carbon Tetrachloride
 Concen: 6.251 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW008098.D
 Acq: 09 Jan 2019 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	75.8	113.8#
121	0.0	23.7	35.5#

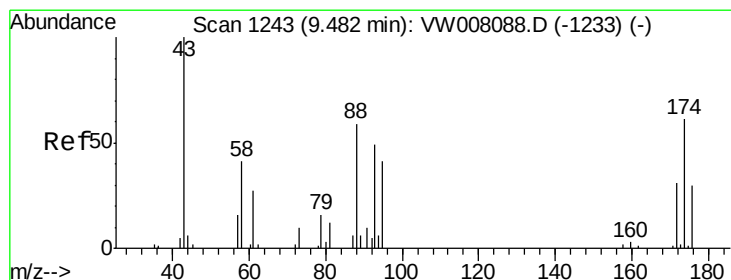
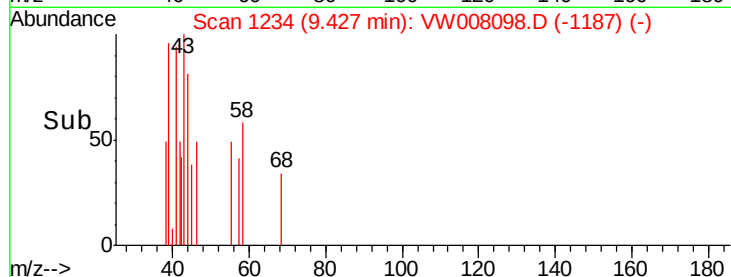
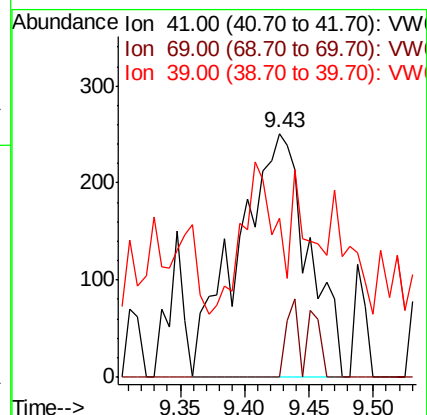
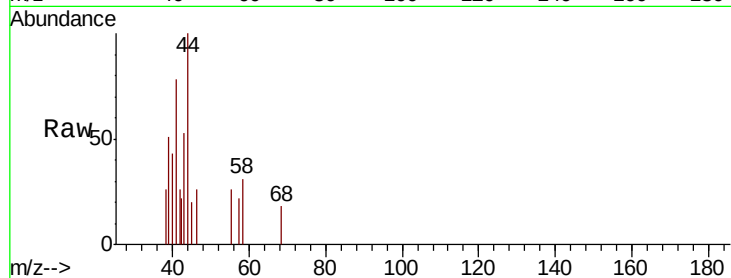




#48
Methyl methacrylate
Concen: 1.636 ug/l
RT: 9.43 min Scan# 1234
Delta R.T. -0.01 min
Lab File: VW008098.D
Acq: 09 Jan 2019 13:03

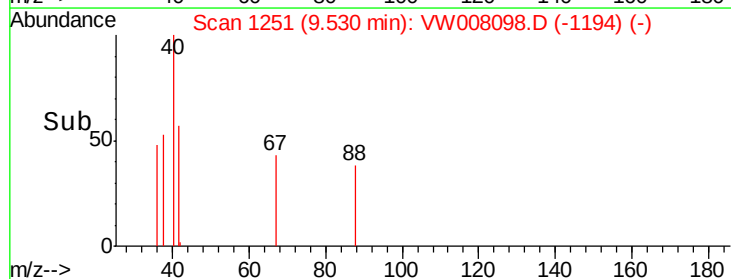
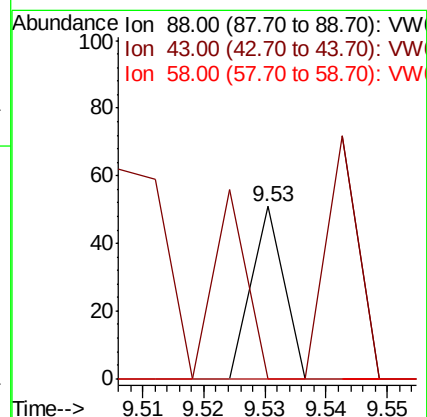
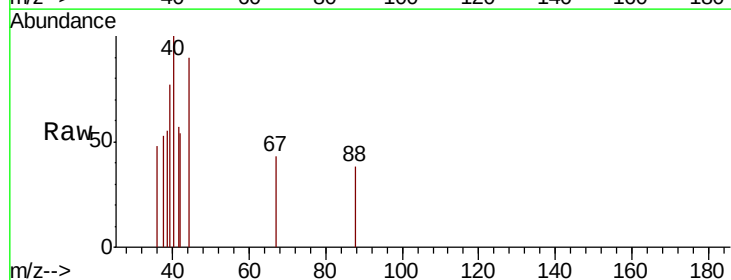
Instrument :
MSVOA_W
ClientSampleId :
RICH-REC-ROAD-STONE-9RE

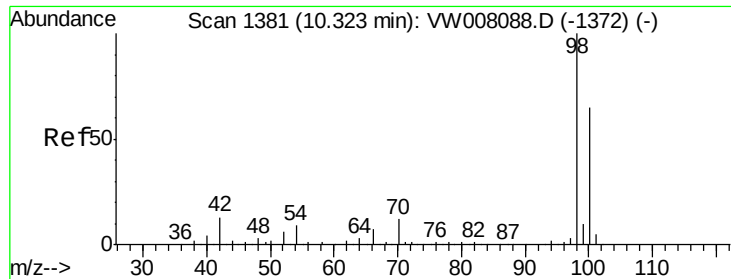
Tgt Ion: 41 Resp: 944
Ion Ratio Lower Upper
41 100
69 5.3 61.9 92.9#
39 8.8 43.0 64.4#



#49
1,4-Dioxane
Concen: 2.343 ug/l
RT: 9.53 min Scan# 1251
Delta R.T. 0.05 min
Lab File: VW008098.D
Acq: 09 Jan 2019 13:03

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 136.8 0.0 0.0#
58 0.0 61.7 92.5#

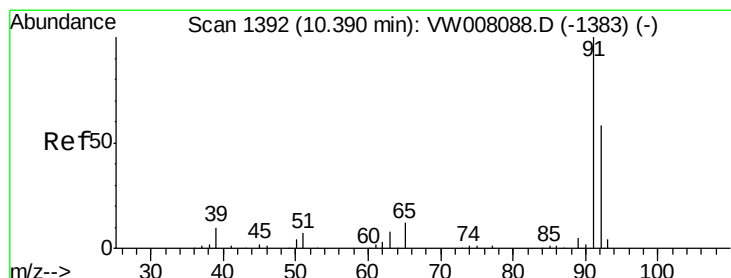
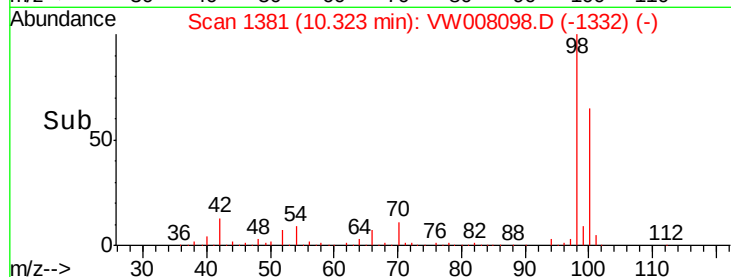
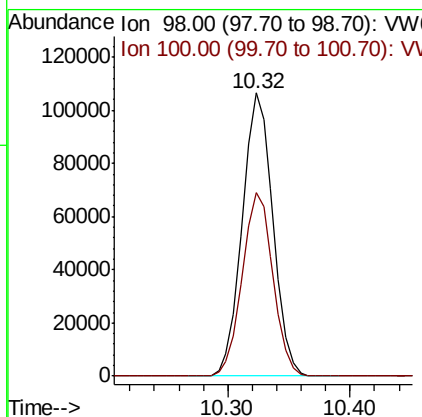
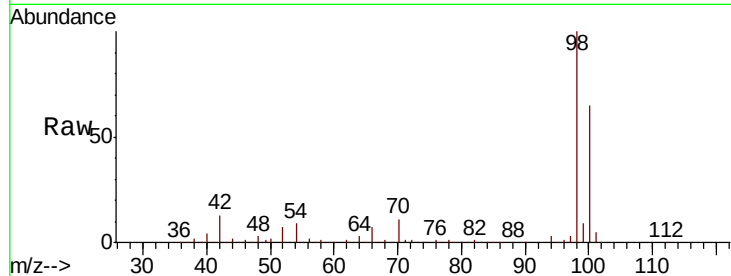




#50
Toluene-d8
Concen: 50.884 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008098.D
Acq: 09 Jan 2019 13:03

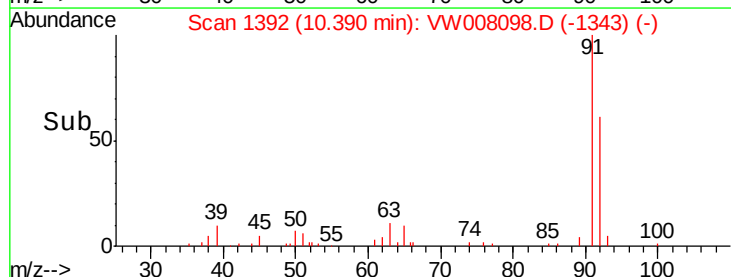
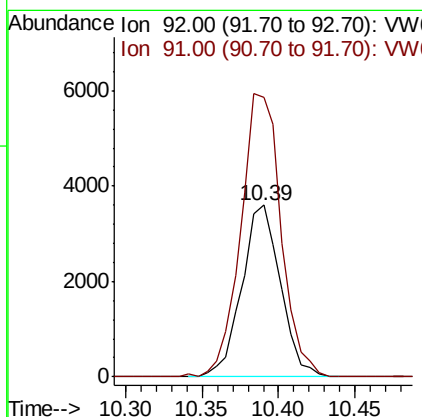
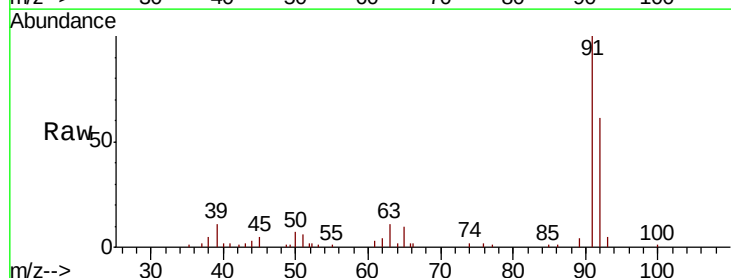
Instrument :
MSVOA_W
ClientSampleId :
RICH-REC-ROAD-STONE-9RE

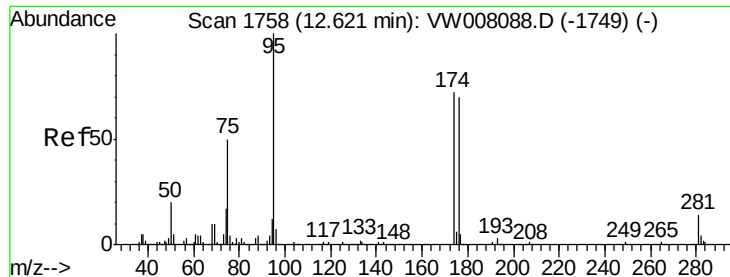
Tgt Ion: 98 Resp: 184571
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5



#52
Toluene
Concen: 2.386 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW008098.D
Acq: 09 Jan 2019 13:03

Tgt Ion: 92 Resp: 6310
Ion Ratio Lower Upper
92 100
91 172.3 137.0 205.4





#62

4-Bromofluorobenzene

Concen: 47.240 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008098.D

Acq: 09 Jan 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

RICH-REC-ROAD-STONE-9RE

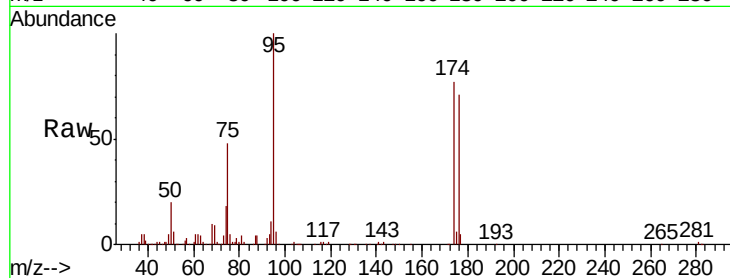
Tgt Ion: 95 Resp: 61430

Ion Ratio Lower Upper

95 100

174 77.1 0.0 143.0

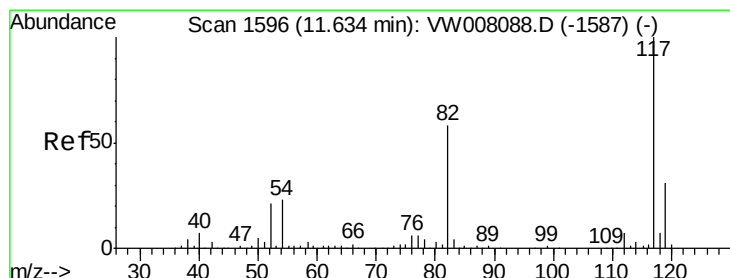
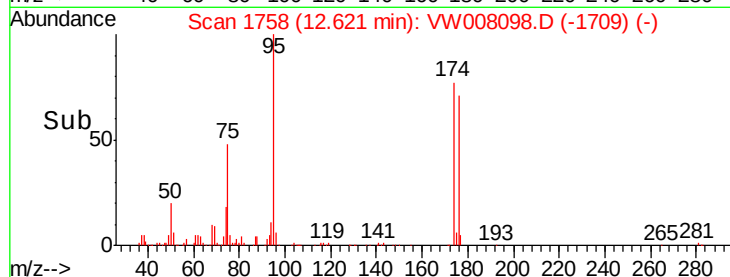
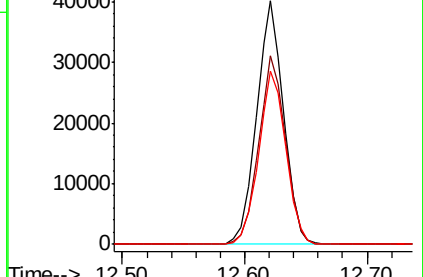
176 72.2 0.0 140.2



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: VW008098.D

Acq: 09 Jan 2019 13:03

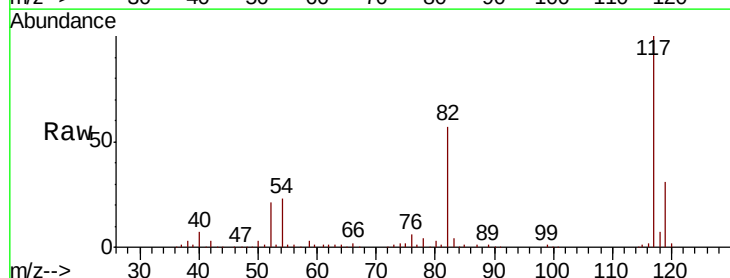
Tgt Ion: 117 Resp: 129835

Ion Ratio Lower Upper

117 100

82 56.6 46.4 69.6

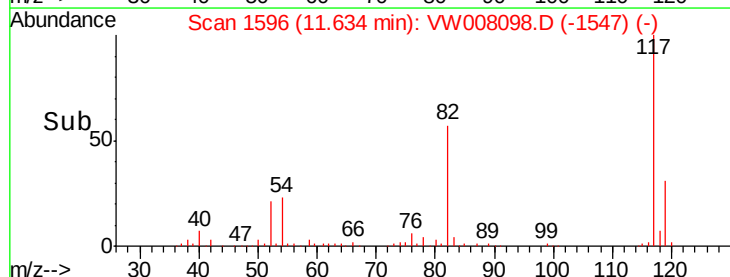
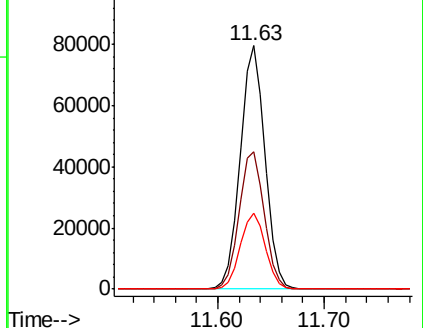
119 31.1 24.7 37.1

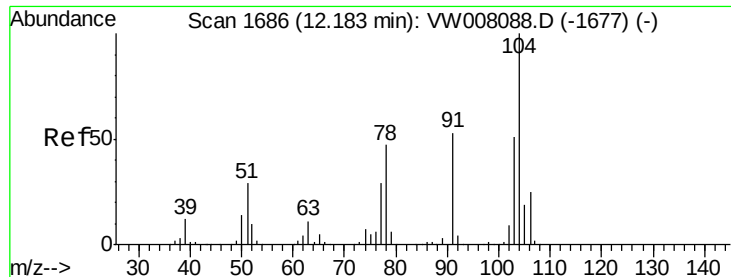


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

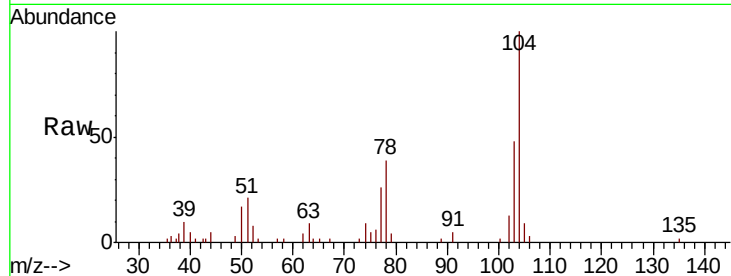




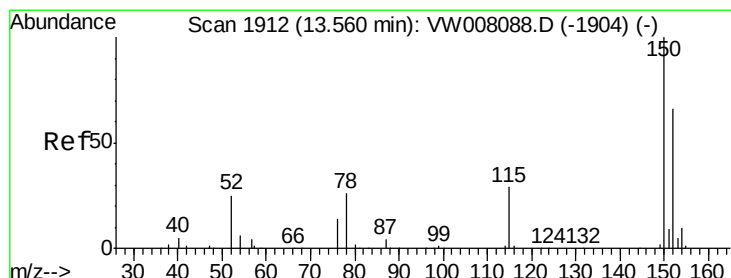
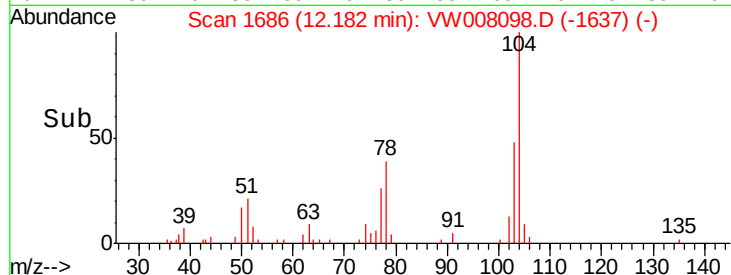
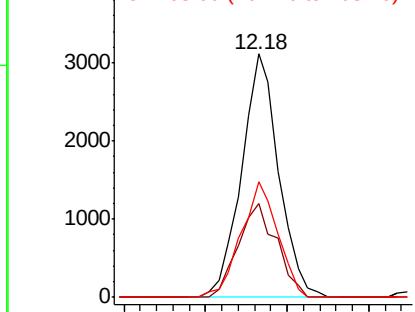
#70
Styrene
Concen: 1.773 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008098.D
Acq: 09 Jan 2019 13:03

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

Tgt Ion:104 Resp: 4941
Ion Ratio Lower Upper
104 100
78 39.8 41.8 62.8#
103 46.7 43.8 65.8

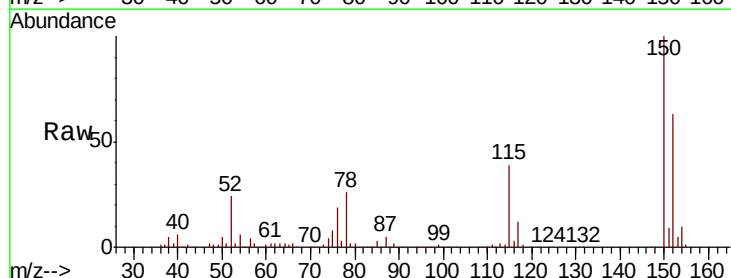


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

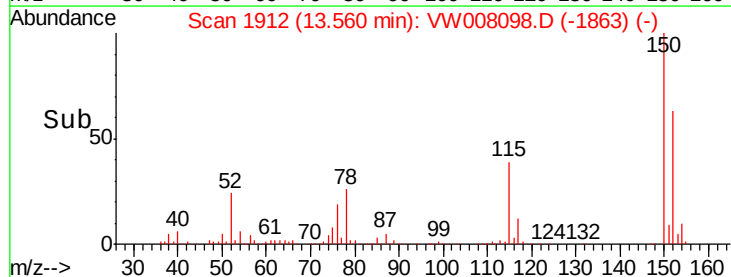
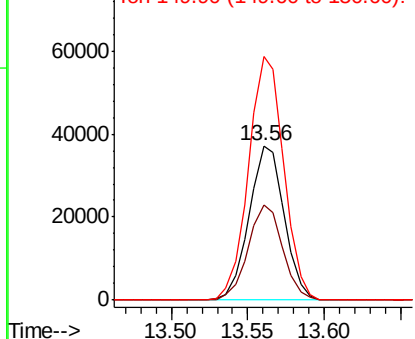


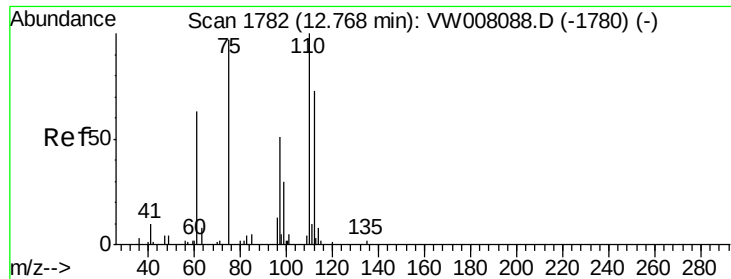
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008098.D
Acq: 09 Jan 2019 13:03

Tgt Ion:152 Resp: 59316
Ion Ratio Lower Upper
152 100
115 60.7 30.8 92.4
150 158.4 0.0 350.2



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

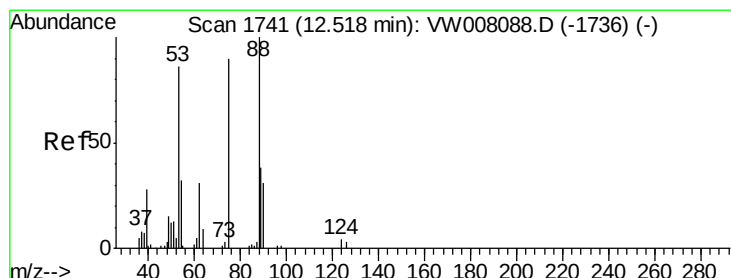
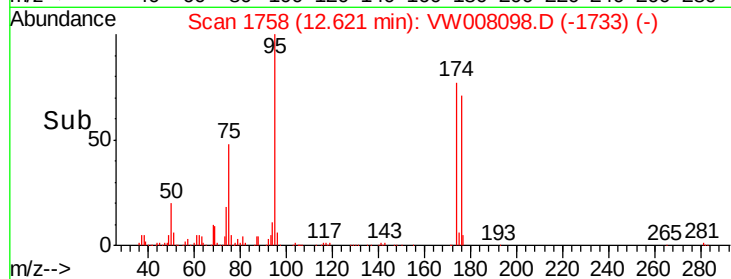
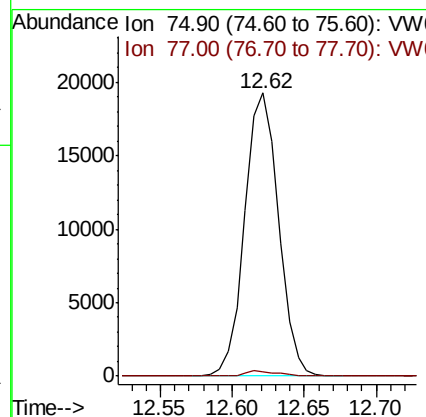
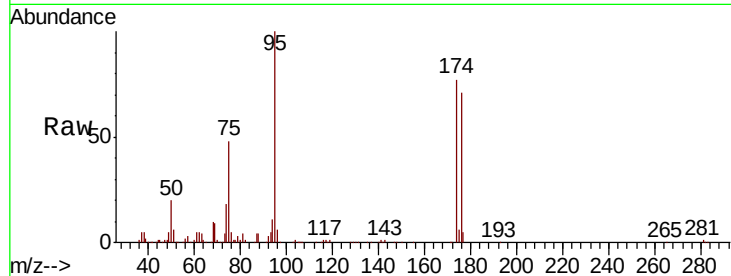




#76
 1,2,3-Trichloropropane
 Concen: 57.907 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008098.D
 Acq: 09 Jan 2019 13:03

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

Tgt Ion: 75 Resp: 31312
 Ion Ratio Lower Upper
 75 100
 77 1.6 179.4 538.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.848 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW008098.D
 Acq: 09 Jan 2019 13:03

Tgt Ion: 75 Resp: 31312
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.8 118.2#
 89 0.2 35.4 53.2#

