

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
 Data File : VW007490.D
 Acq On : 13 Dec 2018 16:02
 Operator : SY/AP
 Sample : J6319-14RE
 Misc : 5.14G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 068_DUP-2RE

Quant Time: Dec 14 04:01:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	39286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	65259	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	55049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	22108	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	16023	36.76	ug/l	0.00
Spiked Amount			Recovery	=	73.52%	
35) Dibromofluoromethane	7.88	113	14980	37.92	ug/l	0.00
Spiked Amount			Recovery	=	75.84%	
50) Toluene-d8	10.32	98	51536	34.79	ug/l	0.00
Spiked Amount			Recovery	=	69.58%	
62) 4-Bromofluorobenzene	12.62	95	18162	33.35	ug/l	0.00
Spiked Amount			Recovery	=	66.70%	

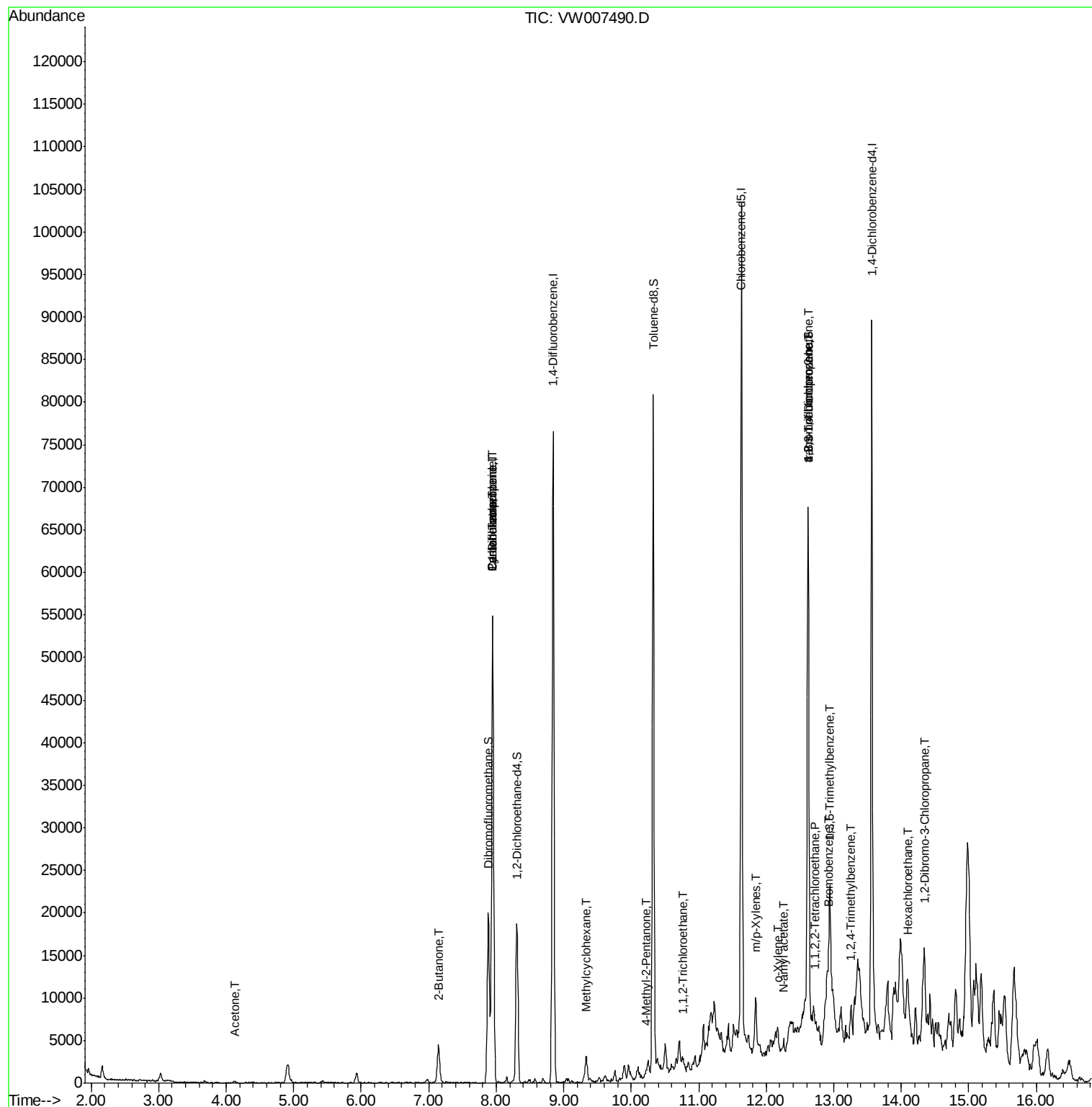
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	658	8.643	ug/l #	44
20) Methylene Chloride	4.90	84	1590	Below Cal		94
25) 2-Butanone	7.15	43	161	1.620	ug/l #	45
31) Cyclohexane	7.95	56	1193	1.762	ug/l #	53
36) 1,1-Dichloropropene	7.95	75	3200	5.375	ug/l #	51
38) Carbon Tetrachloride	7.95	117	4128	6.373	ug/l #	18
39) Methylcyclohexane	9.34	83	1335	1.852	ug/l #	84
51) 4-Methyl-2-Pentanone	10.22	43	416	2.013	ug/l #	34
55) 1,1,2-Trichloroethane	10.77	97	739	2.501	ug/l #	29
68) m/p-Xylenes	11.84	106	1019	1.329	ug/l	97
69) o-Xylene	12.16	106	727	1.015	ug/l	93
74) N-amyl acetate	12.26	43	635	2.063	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	12.71	83	406	1.618	ug/l	81
76) 1,2,3-Trichloropropane	12.62	75	9378	51.446	ug/l #	1
77) Bromobenzene	12.91	156	5919	15.763	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	3295	2.315	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.62	75	9378	113.646	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.26	105	2737	1.869	ug/l	92
90) Hexachloroethane	14.10	117	370	1.352	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.33	75	261	5.184	ug/l #	1

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007490.D

Acq: 13 Dec 2018 16:02

Instrument :

MSVOA_W

ClientSampleId :

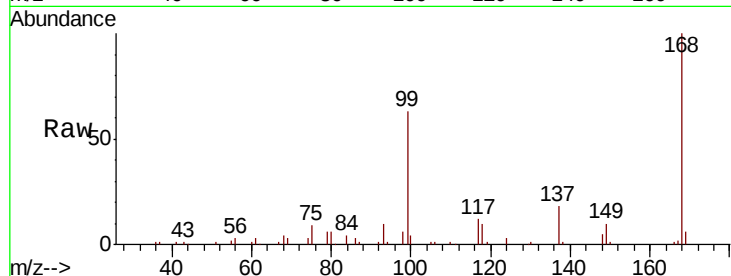
068_DUP-2RE

Tot Ion:168 Resp: 39286

Ion Ratio Lower Upper

168 100

99 63.2 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

20000

15000

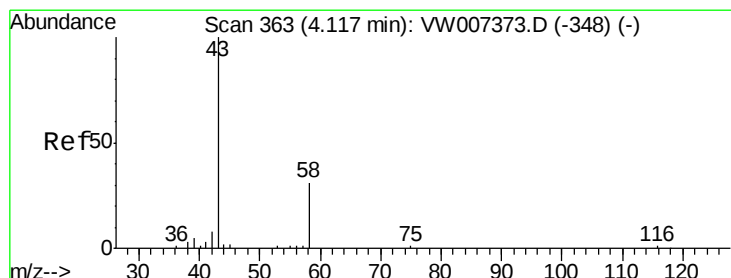
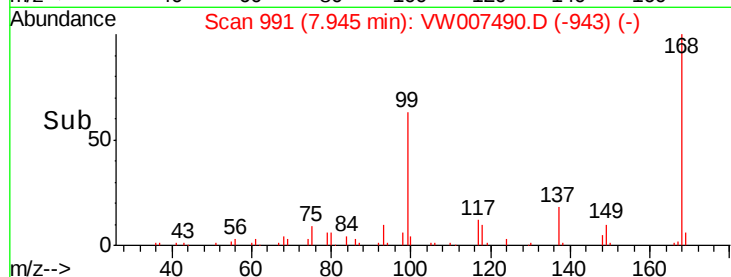
10000

5000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#16

Acetone

Concen: 8.643 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007490.D

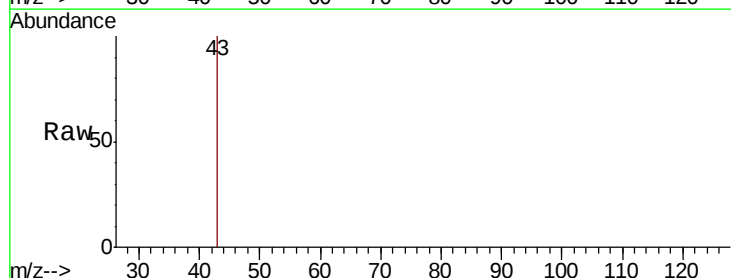
Acq: 13 Dec 2018 16:02

Tgt Ion: 43 Resp: 658

Ion Ratio Lower Upper

43 100

58 0.0 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

300

250

200

150

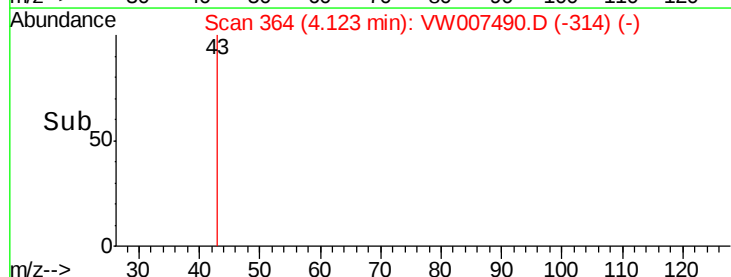
100

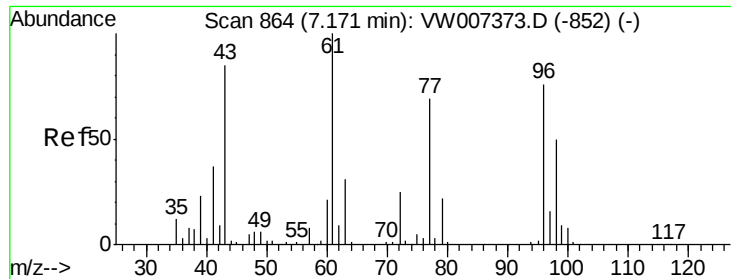
50

0

Time-->

4.05 4.10 4.15





#25

2-Butanone

Concen: 1.620 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW007490.D

Acq: 13 Dec 2018 16:02

Instrument :

MSVOA_W

ClientSampleId :

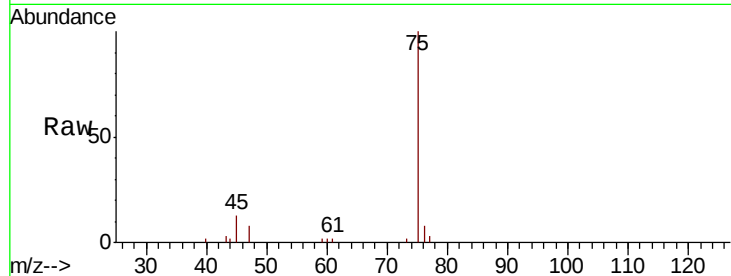
068_DUP-2RE

Tot Ion: 43 Resp: 161

Ion Ratio Lower Upper

43 100

72 0.0 23.4 35.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.15

100

80

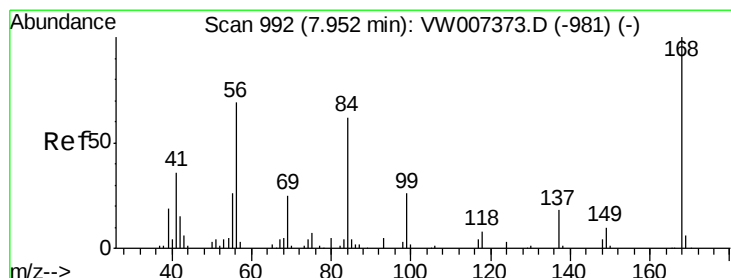
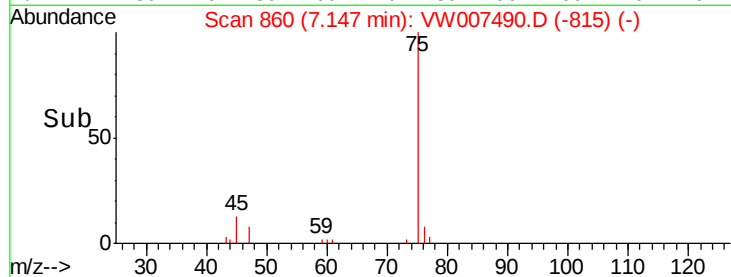
60

40

20

0

Time-->



#31

Cyclohexane

Concen: 1.762 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007490.D

Acq: 13 Dec 2018 16:02

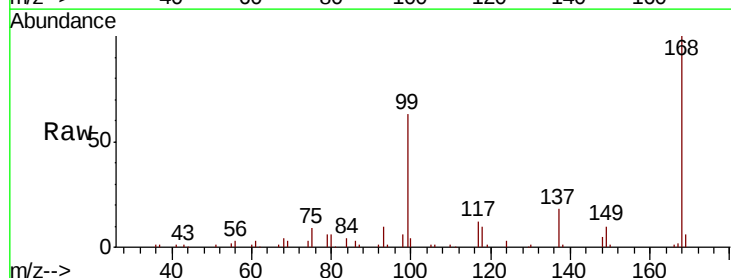
Tgt Ion: 56 Resp: 1193

Ion Ratio Lower Upper

56 100

69 98.6 28.9 43.3#

84 111.9 71.8 107.6#



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

800

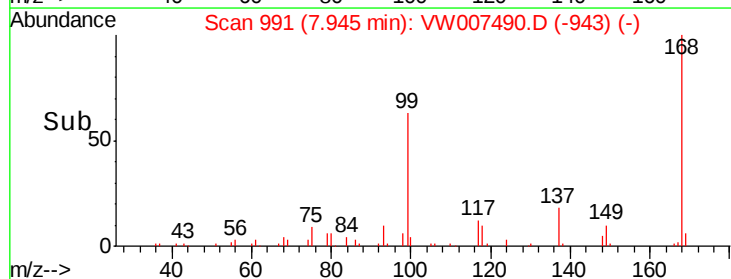
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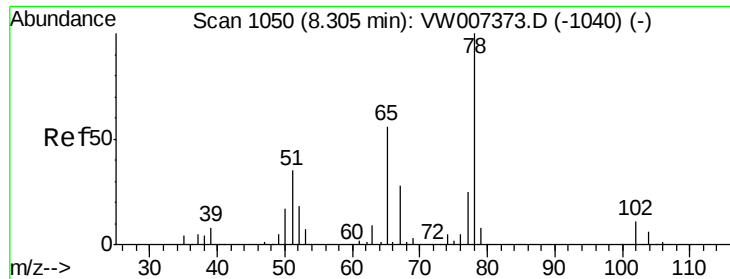
400

200

0

Time-->

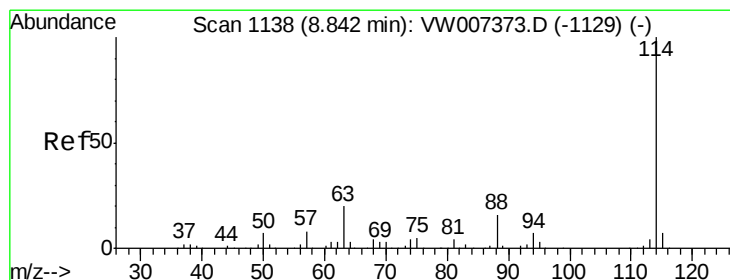
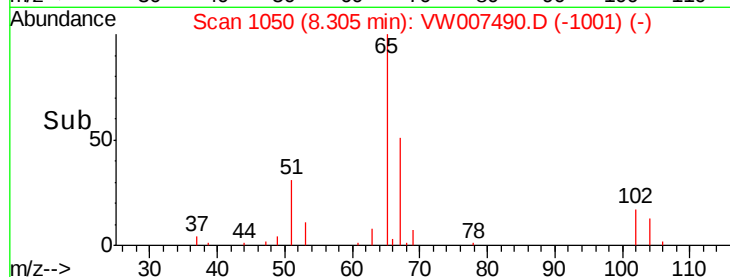
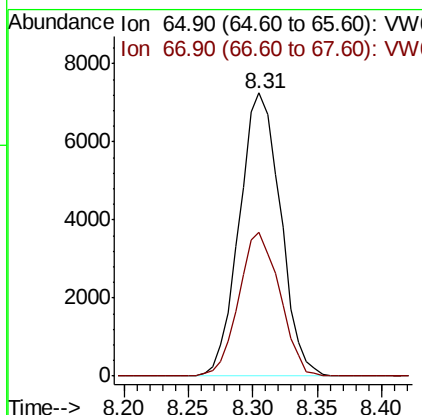
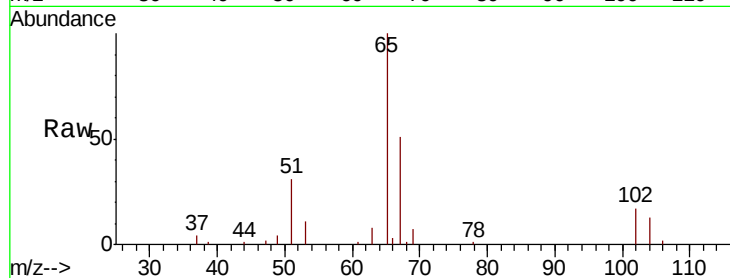




#33
 1,2-Dichloroethane-d4
 Concen: 36.763 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007490.D
 Acq: 13 Dec 2018 16:02

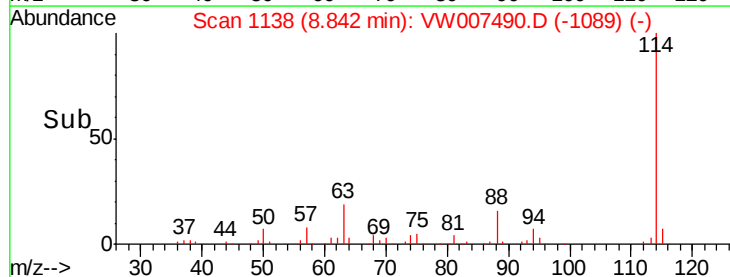
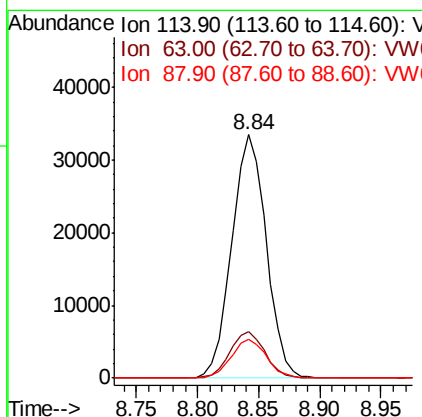
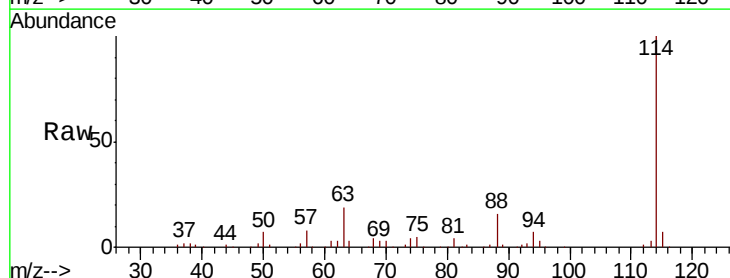
Instrument :
 MSVOA_W
 ClientSampleId :
 068_DUP-2RE

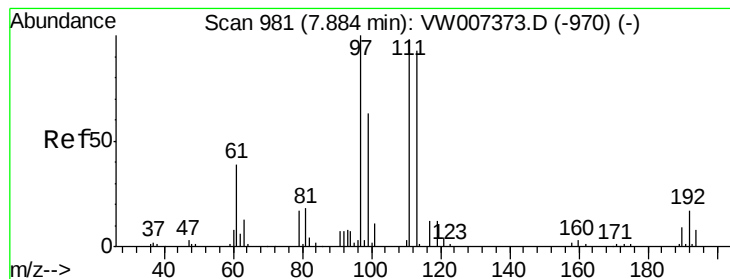
Tot Ion: 65 Resp: 16023
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007490.D
 Acq: 13 Dec 2018 16:02

Tgt Ion: 114 Resp: 65259
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.6
 88 16.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 37.920 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007490.D

Acq: 13 Dec 2018 16:02

Instrument :

MSVOA_W

ClientSampleId :

068_DUP-2RE

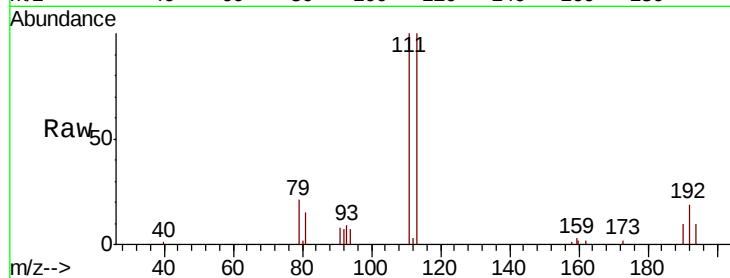
Tot Ion:113 Resp: 14980

Ion Ratio Lower Upper

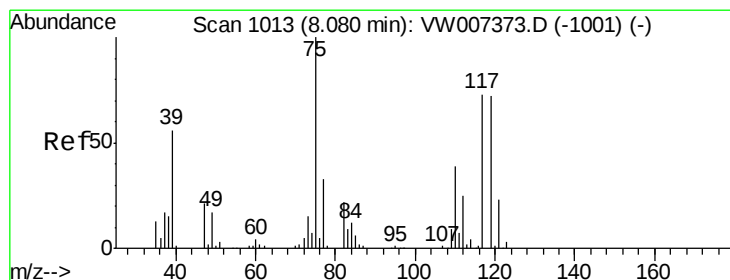
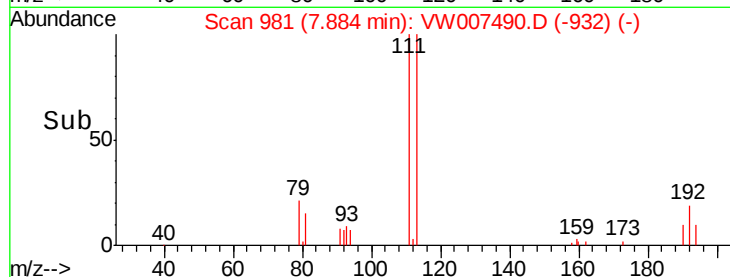
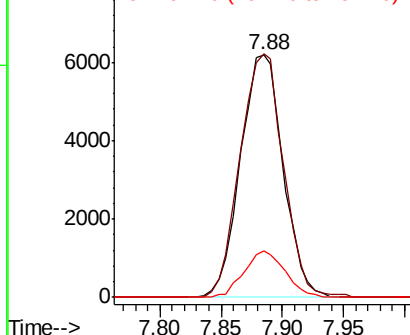
113 100

111 102.3 81.1 121.7

192 18.2 14.6 21.8



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: 5.375 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007490.D

Acq: 13 Dec 2018 16:02

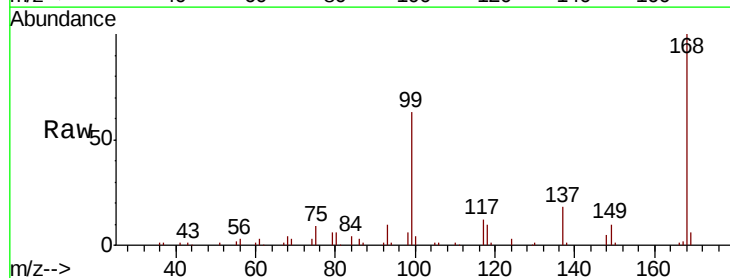
Tgt Ion: 75 Resp: 3200

Ion Ratio Lower Upper

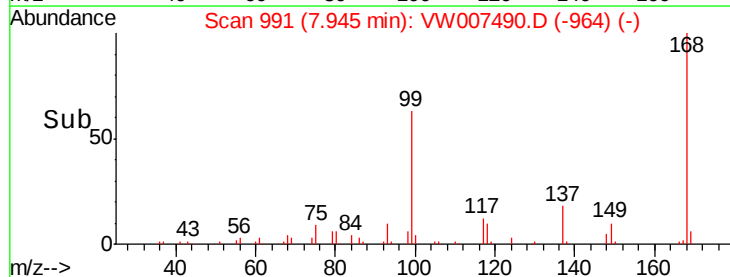
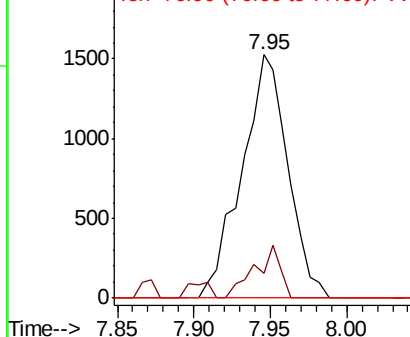
75 100

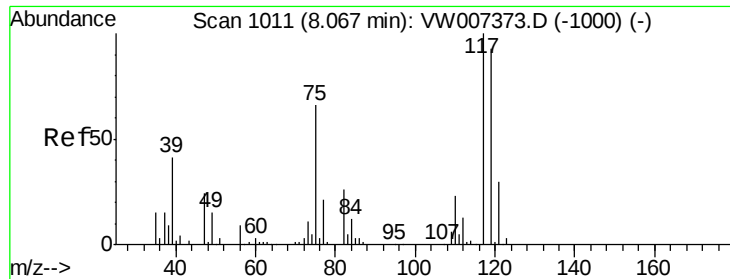
110 12.2 18.5 55.5#

77 0.0 25.6 38.4#



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

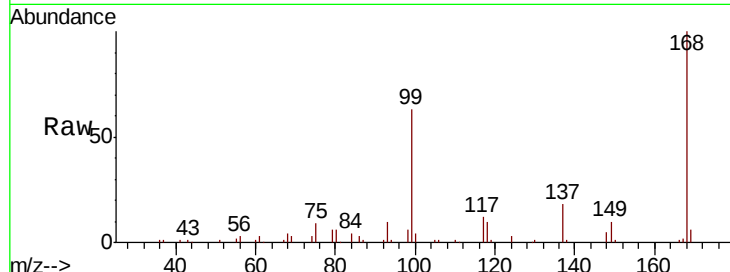




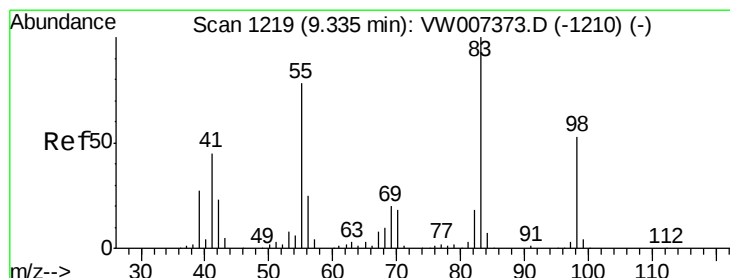
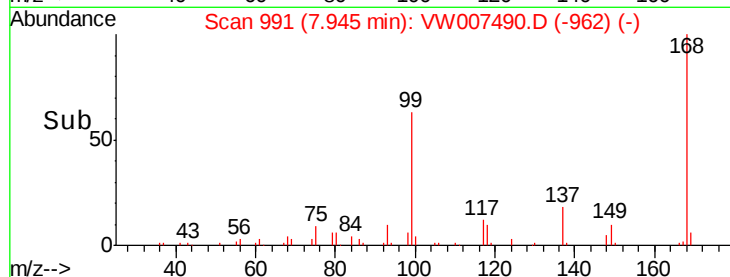
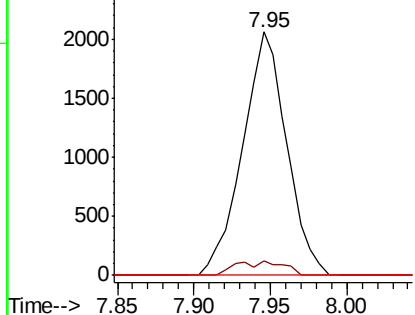
#38
Carbon Tetrachloride
Concen: 6.373 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007490.D
Acq: 13 Dec 2018 16:02

Instrument :
MSVOA_W
ClientSampleId :
068_DUP-2RE

Tot Ion:117 Resp: 4128
Ion Ratio Lower Upper
117 100
119 5.9 74.3 111.5#
121 0.0 24.3 36.5#

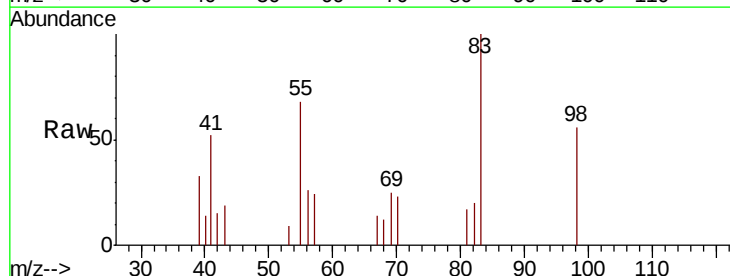


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

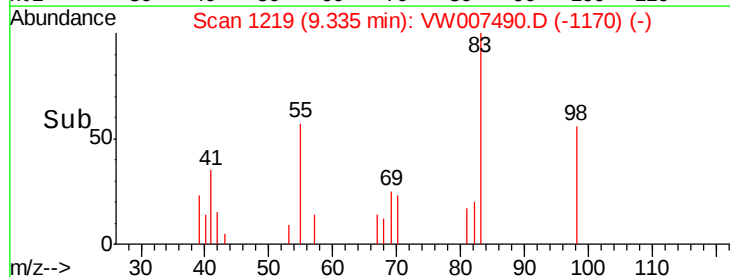
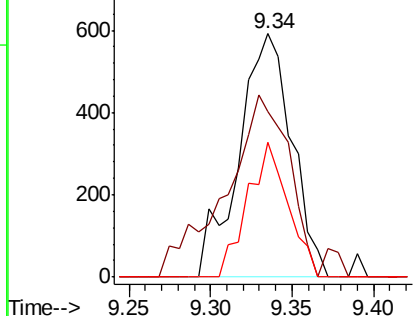


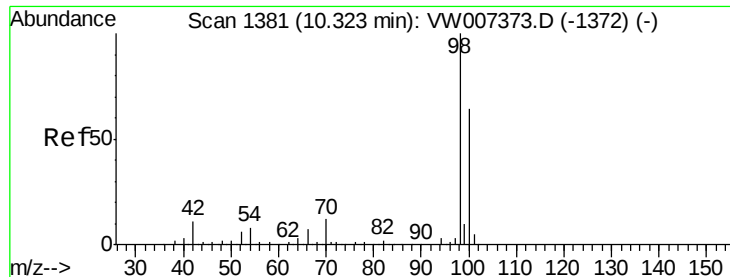
#39
Methylcyclohexane
Concen: 1.852 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007490.D
Acq: 13 Dec 2018 16:02

Tgt Ion: 83 Resp: 1335
Ion Ratio Lower Upper
83 100
55 57.9 62.8 94.2#
98 55.6 42.2 63.2



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#50

Toluene-d8

Concen: 34.794 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW007490.D

Acq: 13 Dec 2018 16:02

Instrument :

MSVOA_W

ClientSampleId :

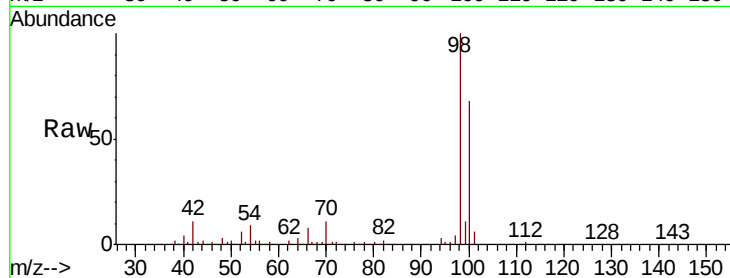
068_DUP-2RE

Tot Ion: 98 Resp: 51536

Ion Ratio Lower Upper

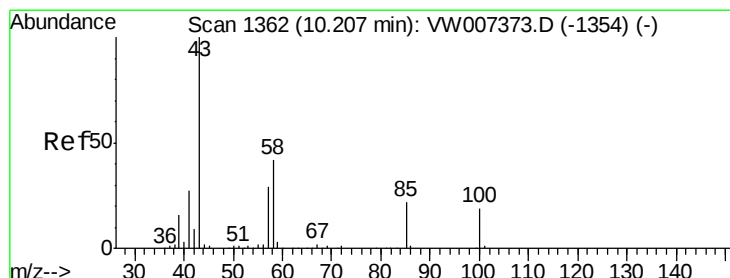
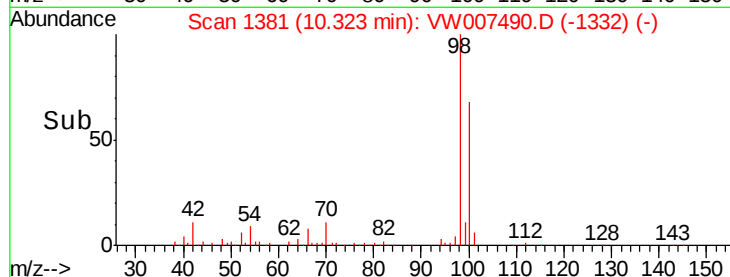
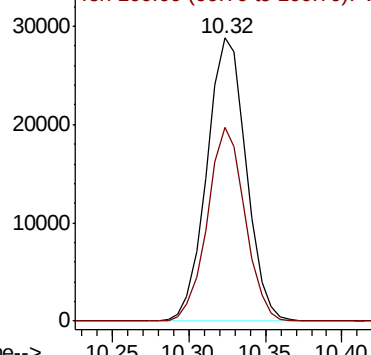
98 100

100 65.3 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 2.013 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW007490.D

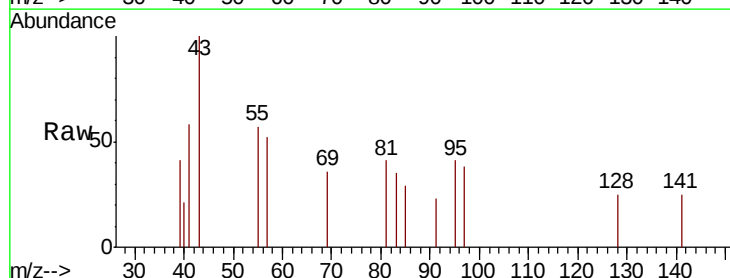
Acq: 13 Dec 2018 16:02

Tgt Ion: 43 Resp: 416

Ion Ratio Lower Upper

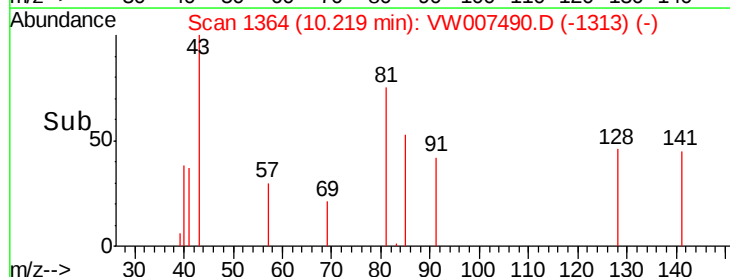
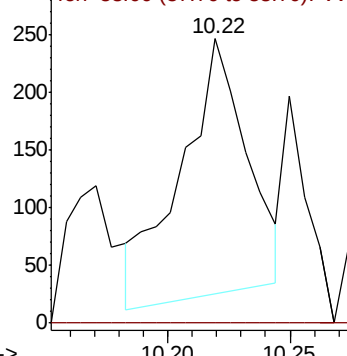
43 100

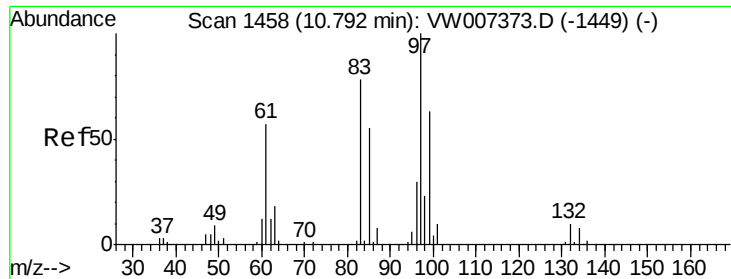
58 0.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

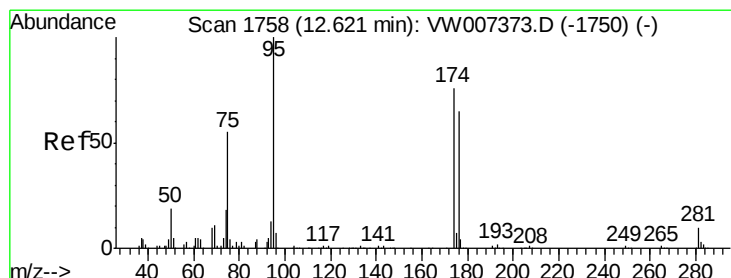
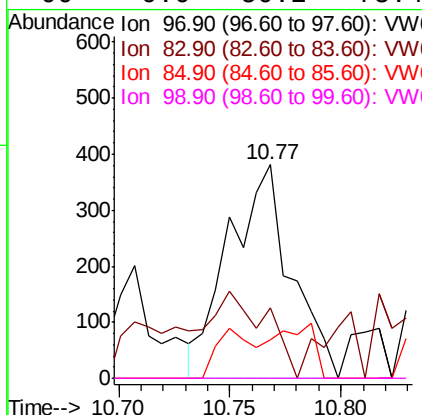
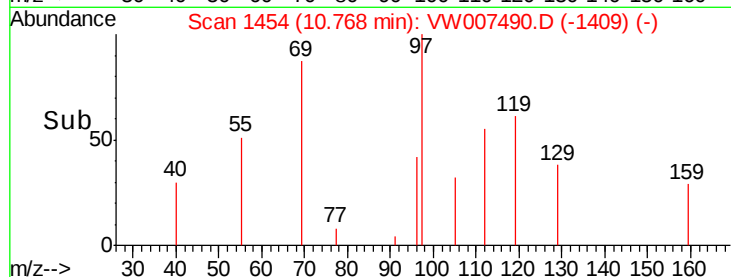
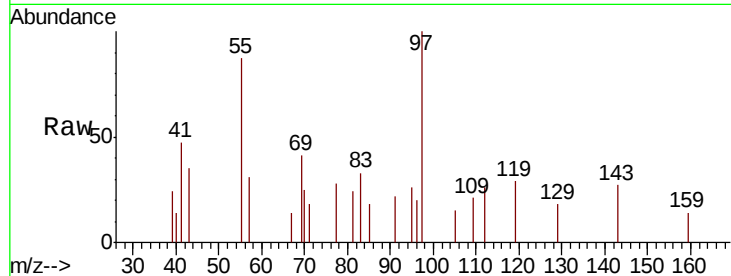




#55
 1,1,2-Trichloroethane
 Concen: 2.501 ug/l
 RT: 10.77 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: VW007490.D
 Acq: 13 Dec 2018 16:02

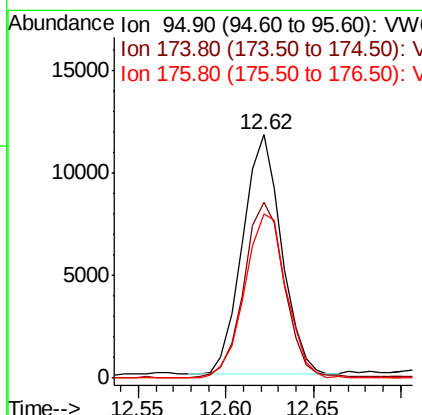
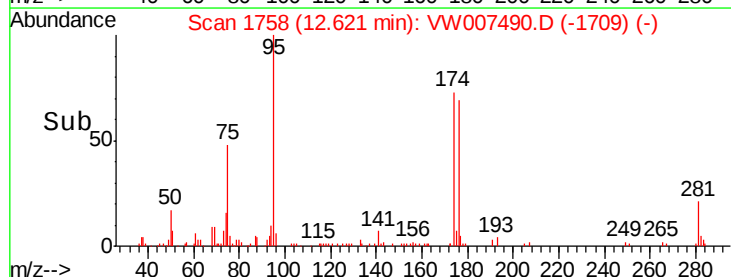
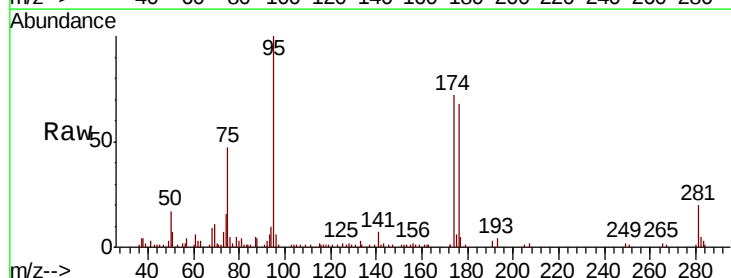
Instrument :
 MSVOA_W
 ClientSampled :
 068_DUP-2RE

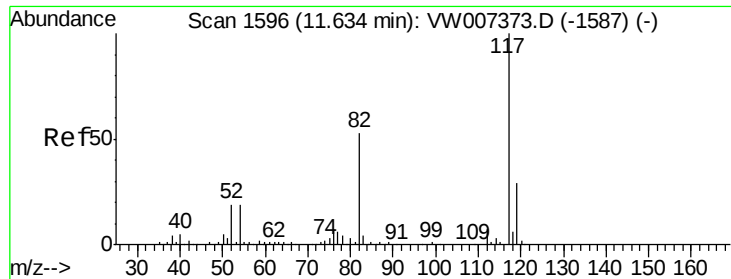
Tot Ion: 97 Resp: 739
 Ion Ratio Lower Upper
 97 100
 83 10.2 62.1 93.1#
 85 18.1 44.2 66.4#
 99 0.0 50.2 75.4#



#62
 4-Bromofluorobenzene
 Concen: 33.350 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007490.D
 Acq: 13 Dec 2018 16:02

Tgt Ion: 95 Resp: 18162
 Ion Ratio Lower Upper
 95 100
 174 76.6 0.0 147.2
 176 73.2 0.0 138.8

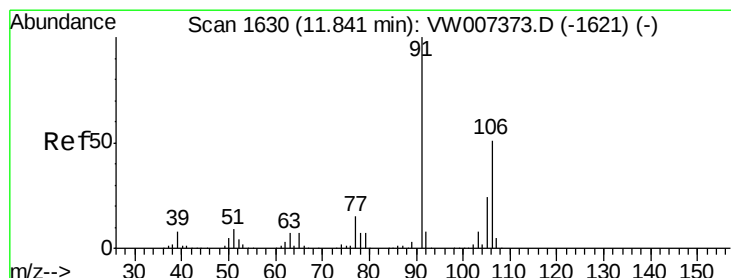
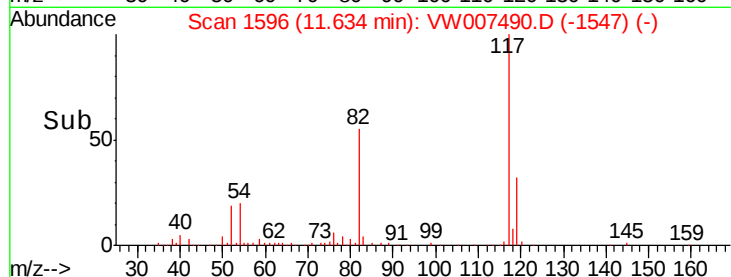
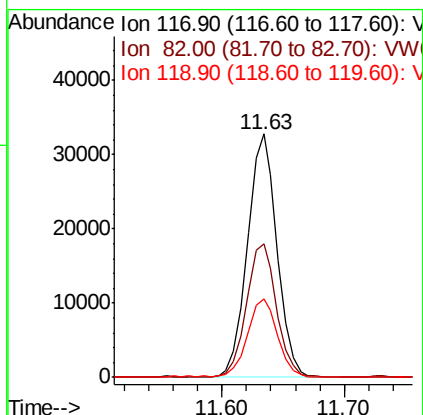
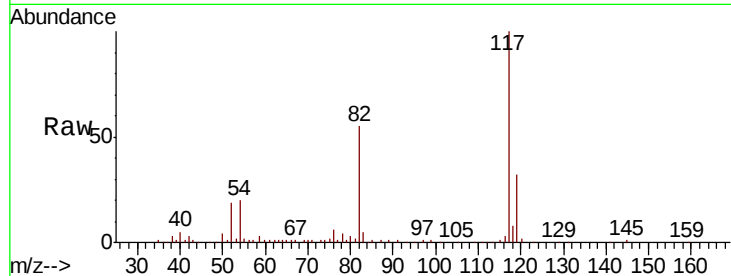




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007490.D
Acq: 13 Dec 2018 16:02

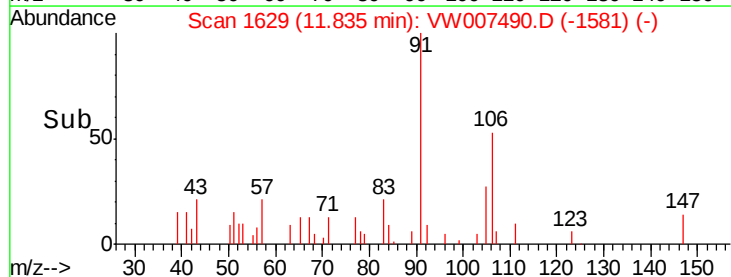
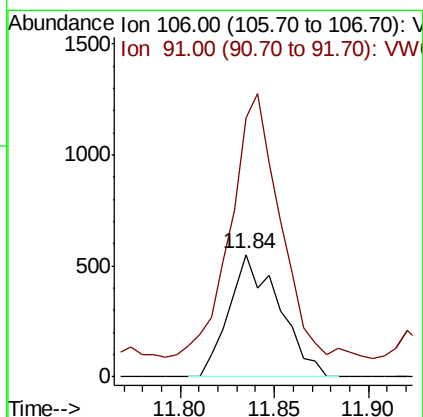
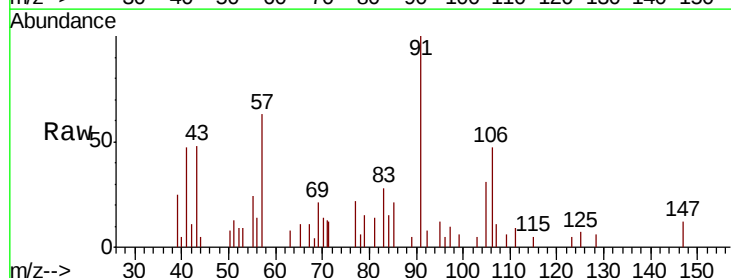
Instrument :
MSVOA_W
ClientSampleId :
068_DUP-2RE

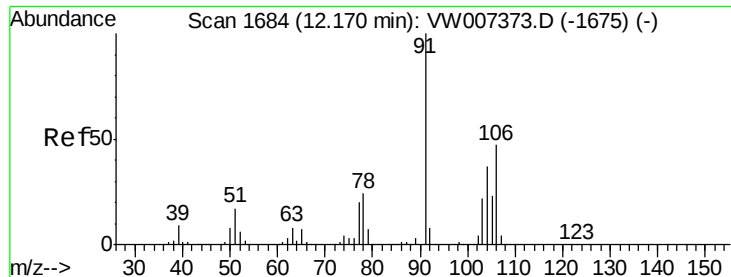
Tot Ion:117 Resp: 55049
Ion Ratio Lower Upper
117 100
82 54.7 42.3 63.5
119 32.0 23.0 34.6



#68
m/p-Xylenes
Concen: 1.329 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007490.D
Acq: 13 Dec 2018 16:02

Tgt Ion:106 Resp: 1019
Ion Ratio Lower Upper
106 100
91 211.8 165.3 247.9

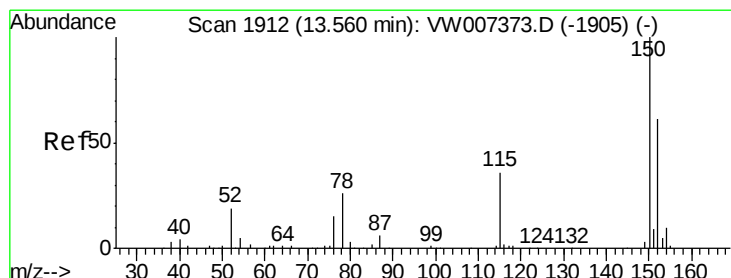
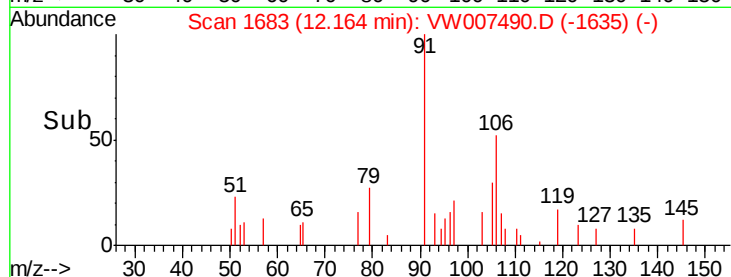
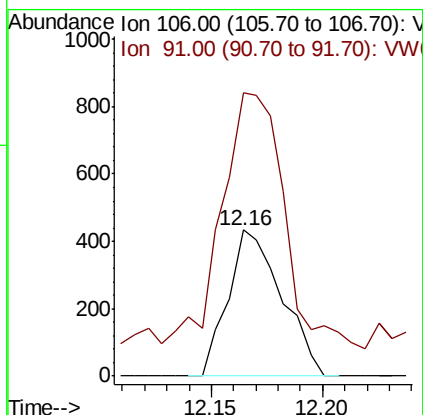
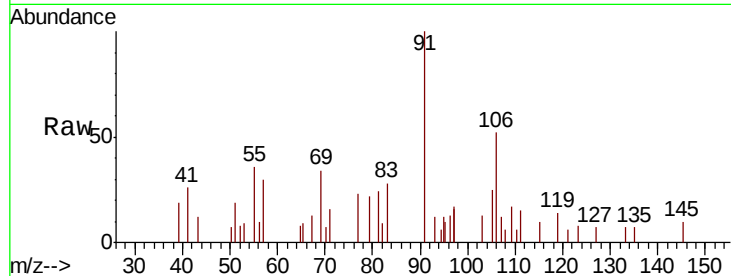




#69
o-Xylene
Concen: 1.015 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW007490.D
Acq: 13 Dec 2018 16:02

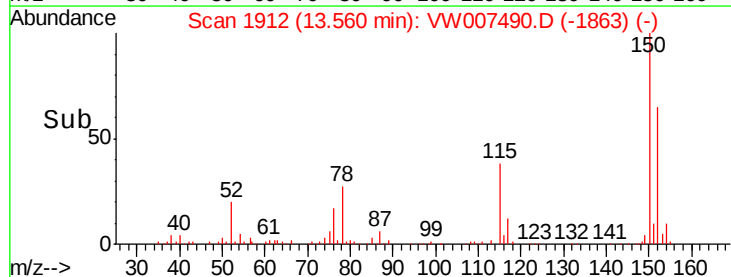
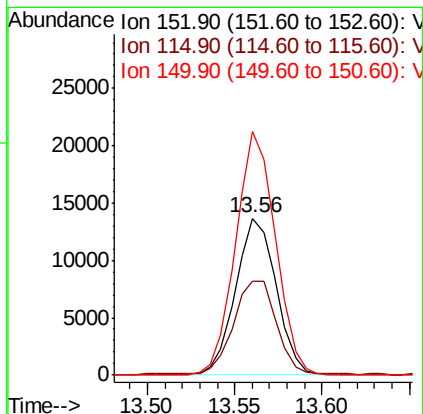
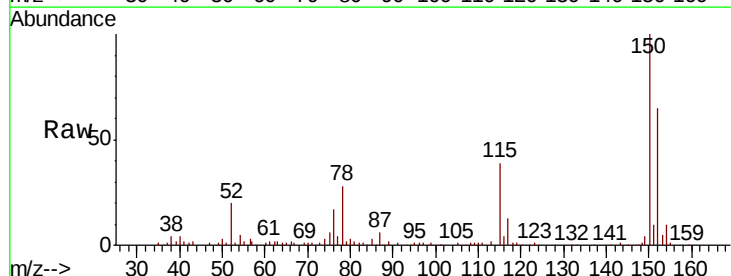
Instrument :
MSVOA_W
ClientSampleId :
068_DUP-2RE

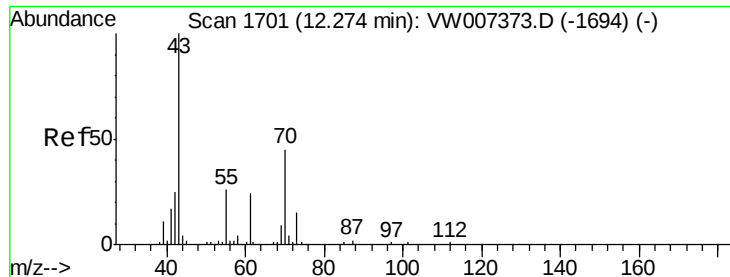
Tot Ion:106 Resp: 727
Ion Ratio Lower Upper
106 100
91 202.6 106.6 319.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007490.D
Acq: 13 Dec 2018 16:02

Tgt Ion:152 Resp: 22108
Ion Ratio Lower Upper
152 100
115 62.5 31.4 94.2
150 152.1 0.0 358.4





#74

N-amvl acetate

Concen: 2.063 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW007490.D

Acq: 13 Dec 2018 16:02

Instrument :

MSVOA_W

ClientSampleId :

068_DUP-2RE

Tot Ion: 43 Resp: 635

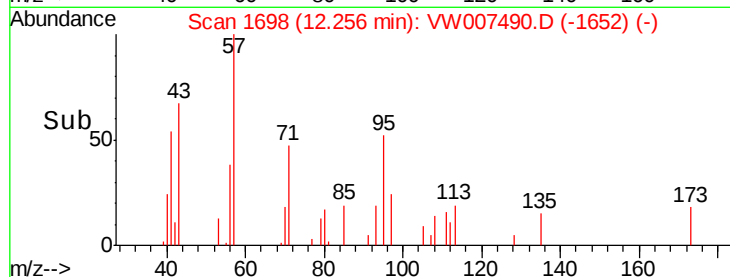
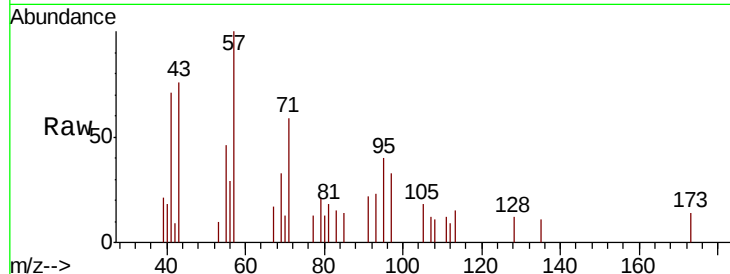
Ion Ratio Lower Upper

43 100

70 30.1 36.5 54.7#

55 0.0 20.1 30.1#

61 0.0 19.3 28.9#

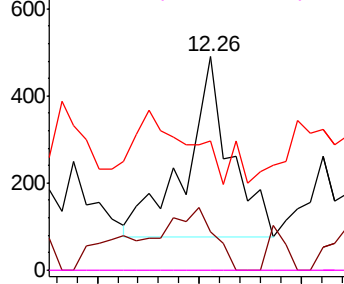


Abundance Ion 43.00 (42.70 to 43.70): VW

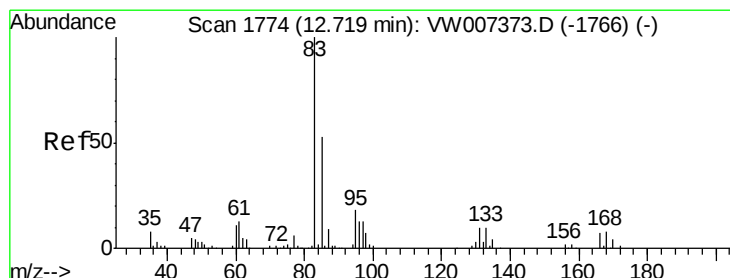
Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 1.618 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW007490.D

Acq: 13 Dec 2018 16:02

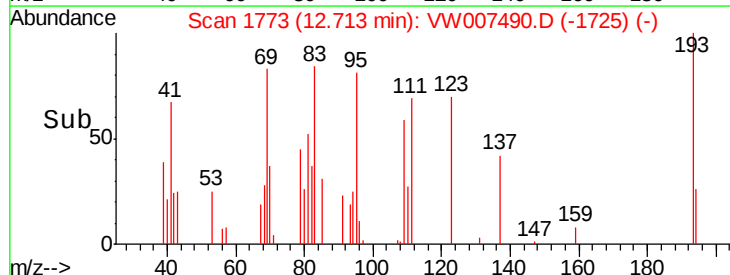
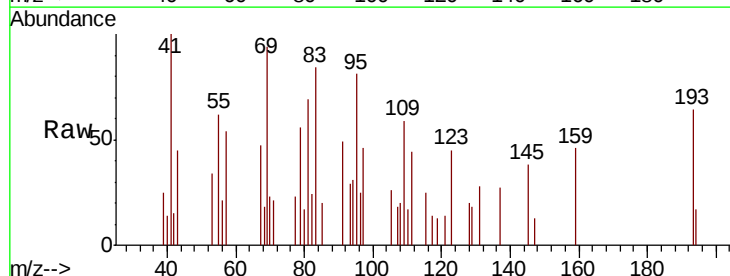
Tgt Ion: 83 Resp: 406

Ion Ratio Lower Upper

83 100

131 8.9 5.9 17.8

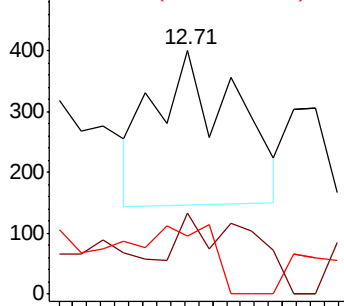
85 43.8 30.0 90.0



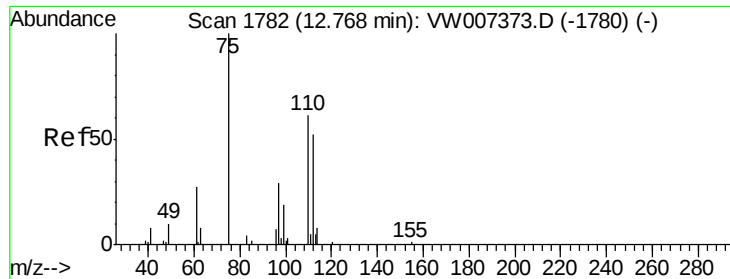
Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



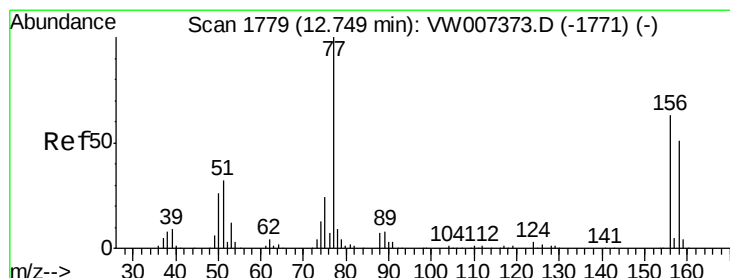
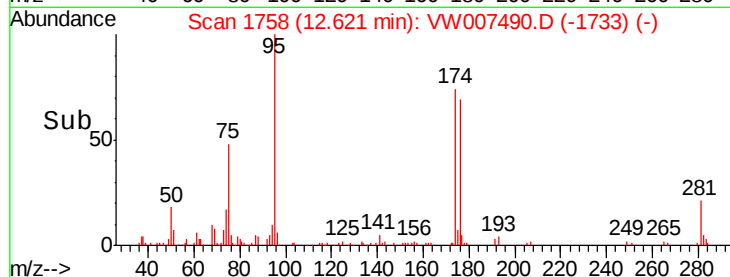
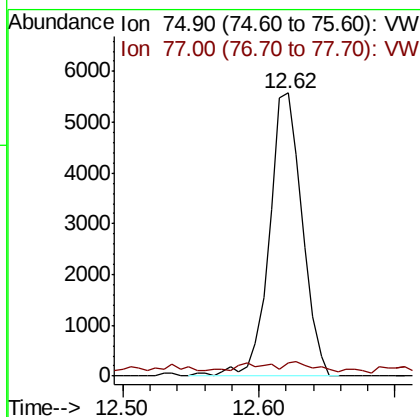
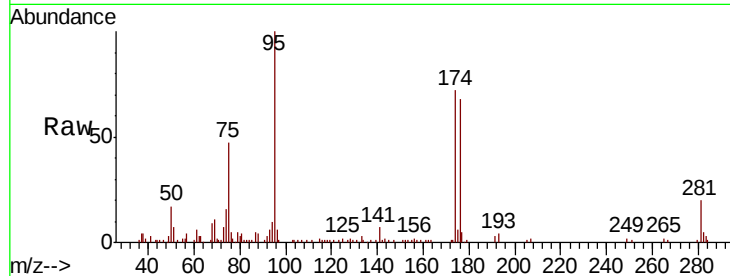
Time-->



#76
 1,2,3-Trichloropropane
 Concen: 51.446 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007490.D
 Acq: 13 Dec 2018 16:02

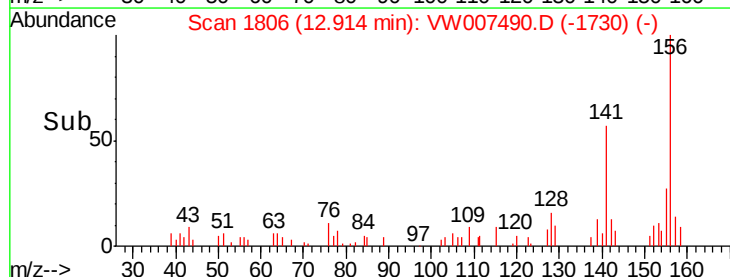
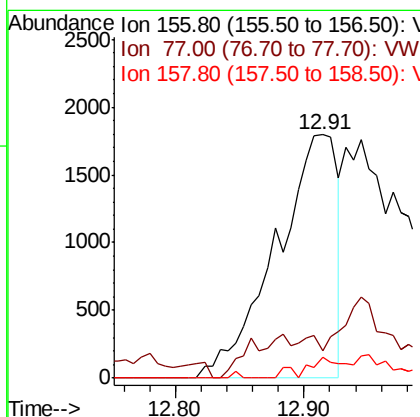
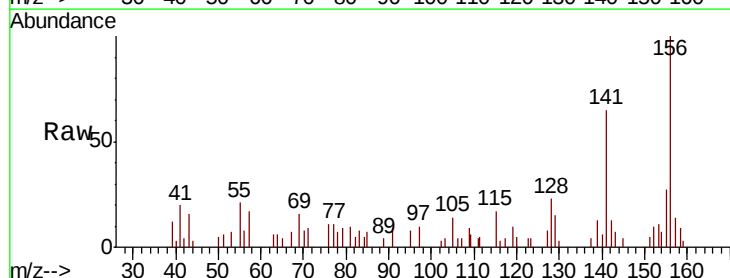
Instrument :
 MSVOA_W
 ClientSampleId :
 068_DUP-2RE

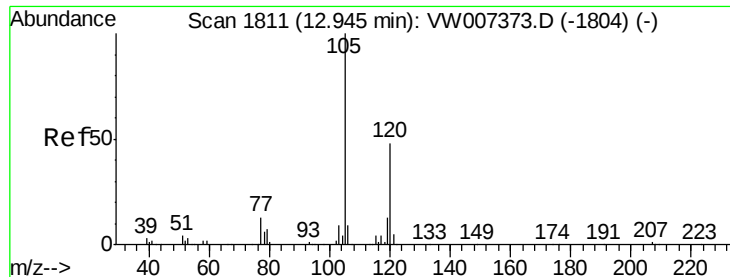
Tot Ion: 75 Resp: 9378
 Ion Ratio Lower Upper
 75 100
 77 2.6 166.9 500.8#



#77
 Bromobenzene
 Concen: 15.763 ug/l
 RT: 12.91 min Scan# 1806
 Delta R.T. 0.16 min
 Lab File: VW007490.D
 Acq: 13 Dec 2018 16:02

Tgt Ion: 156 Resp: 5919
 Ion Ratio Lower Upper
 156 100
 77 0.0 88.1 264.4#
 158 4.1 45.6 136.7#

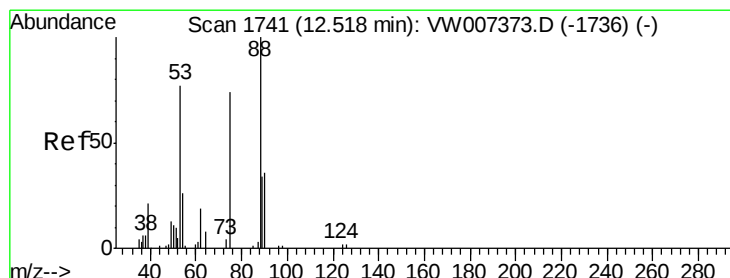
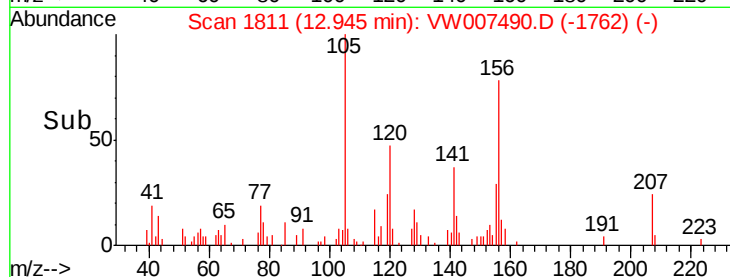
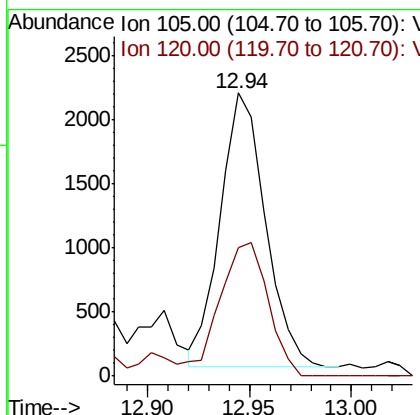
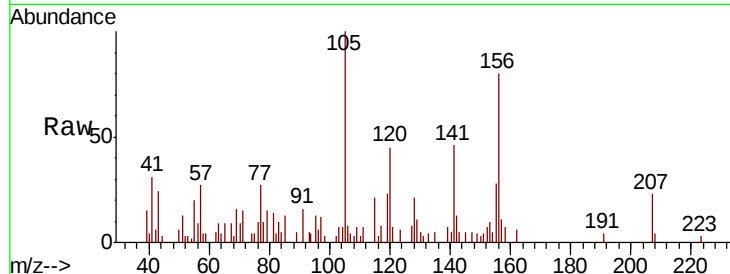




#80
 1,3,5-Trimethylbenzene
 Concen: 2.315 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW007490.D
 Acq: 13 Dec 2018 16:02

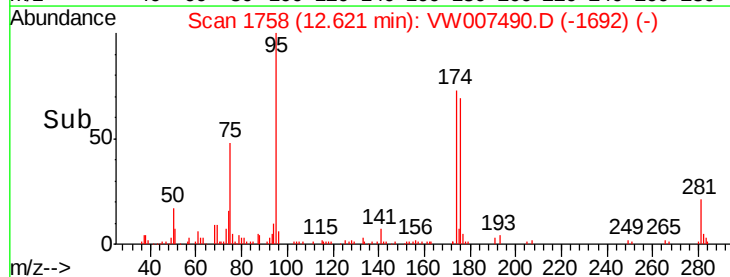
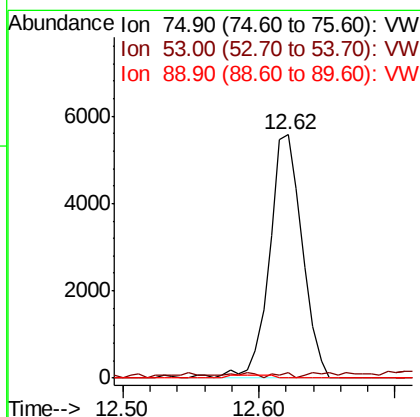
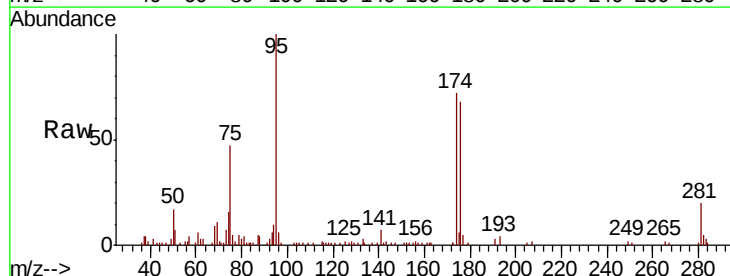
Instrument :
 MSVOA_W
 ClientSampleId :
 068_DUP-2RE

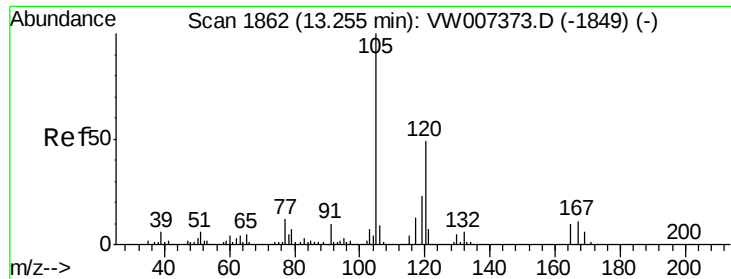
Tot Ion:105 Resp: 3295
 Ion Ratio Lower Upper
 105 100
 120 52.4 23.8 71.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.646 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007490.D
 Acq: 13 Dec 2018 16:02

Tgt Ion: 75 Resp: 9378
 Ion Ratio Lower Upper
 75 100
 53 1.2 84.9 127.3#
 89 0.0 40.3 60.5#

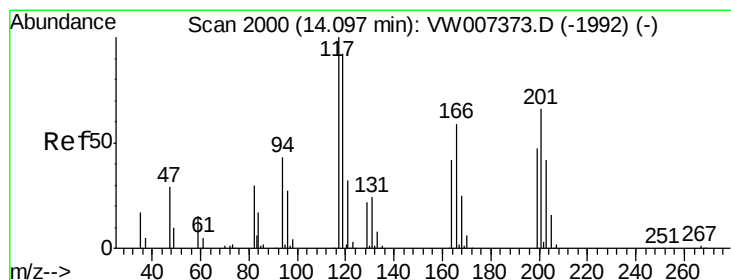
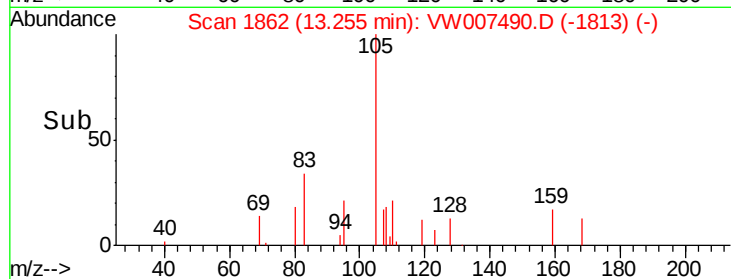
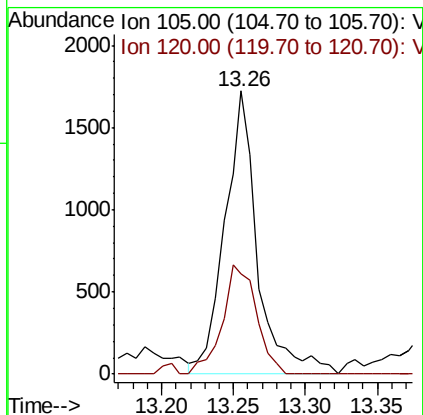
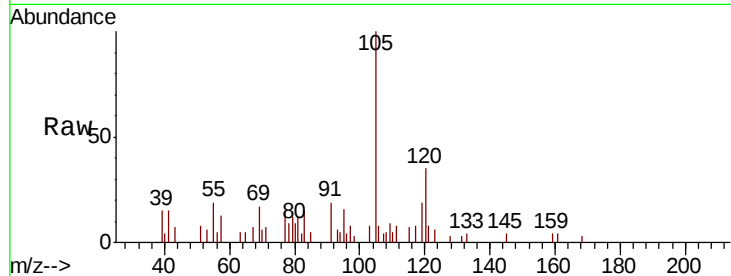




#84
 1,2,4-Trimethylbenzene
 Concen: 1.869 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW007490.D
 Acq: 13 Dec 2018 16:02

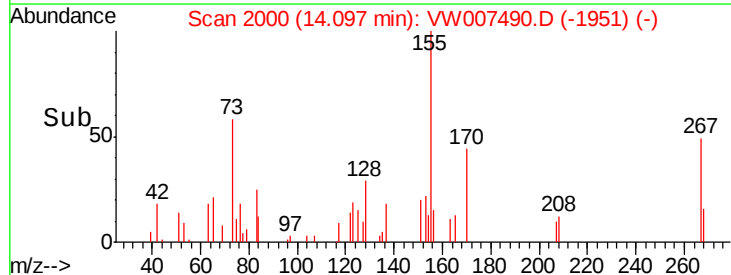
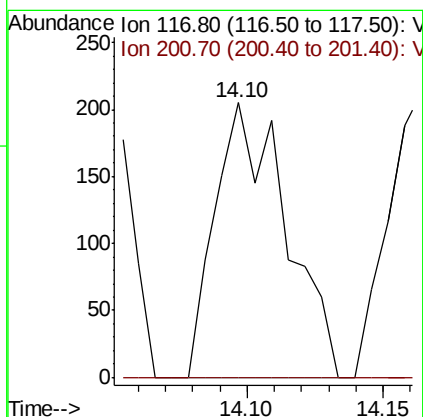
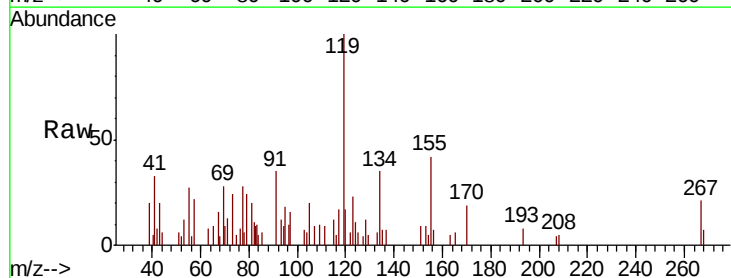
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 ClientSampleId :
 068_DUP-2RE

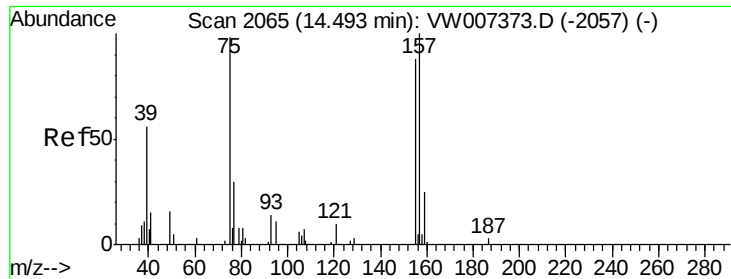
Tot Ion:105 Resp: 2737
 Ion Ratio Lower Upper
 105 100
 120 40.2 22.6 67.7



#90
 Hexachloroethane
 Concen: 1.352 ug/l
 RT: 14.10 min Scan# 2000
 Delta R.T. 0.00 min
 Lab File: VW007490.D
 Acq: 13 Dec 2018 16:02

Tgt Ion:117 Resp: 370
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.3 105.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 5.184 ug/l

RT: 14.33 min Scan# 2039

Delta R.T. -0.16 min

Lab File: VW007490.D

Acq: 13 Dec 2018 16:02

Instrument :

MSVOA_W

ClientSampleId :

068_DUP-2RE

Tot Ion: 75 Resp: 261

Ion Ratio Lower Upper

75 100

155 475.5 40.8 122.2#

157 269.0 51.1 153.4#

