

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
 Data File : VW007478.D
 Acq On : 13 Dec 2018 10:51
 Operator : SY/AP
 Sample : J6319-09
 Misc : 4.67G/5ML/MSVOA W/SOIL
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 063_SW-E-1

Quant Time: Dec 13 11:38:09 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	71900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	116667	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	86505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	28483	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	33047	41.43	ug/l	0.00
Spiked Amount			Recovery	=	82.86%	
35) Dibromofluoromethane	7.88	113	32175	45.56	ug/l	0.00
Spiked Amount			Recovery	=	91.12%	
50) Toluene-d8	10.32	98	98589	37.23	ug/l	0.00
Spiked Amount			Recovery	=	74.46%	
62) 4-Bromofluorobenzene	12.62	95	28724	29.50	ug/l	0.00
Spiked Amount			Recovery	=	59.00%	

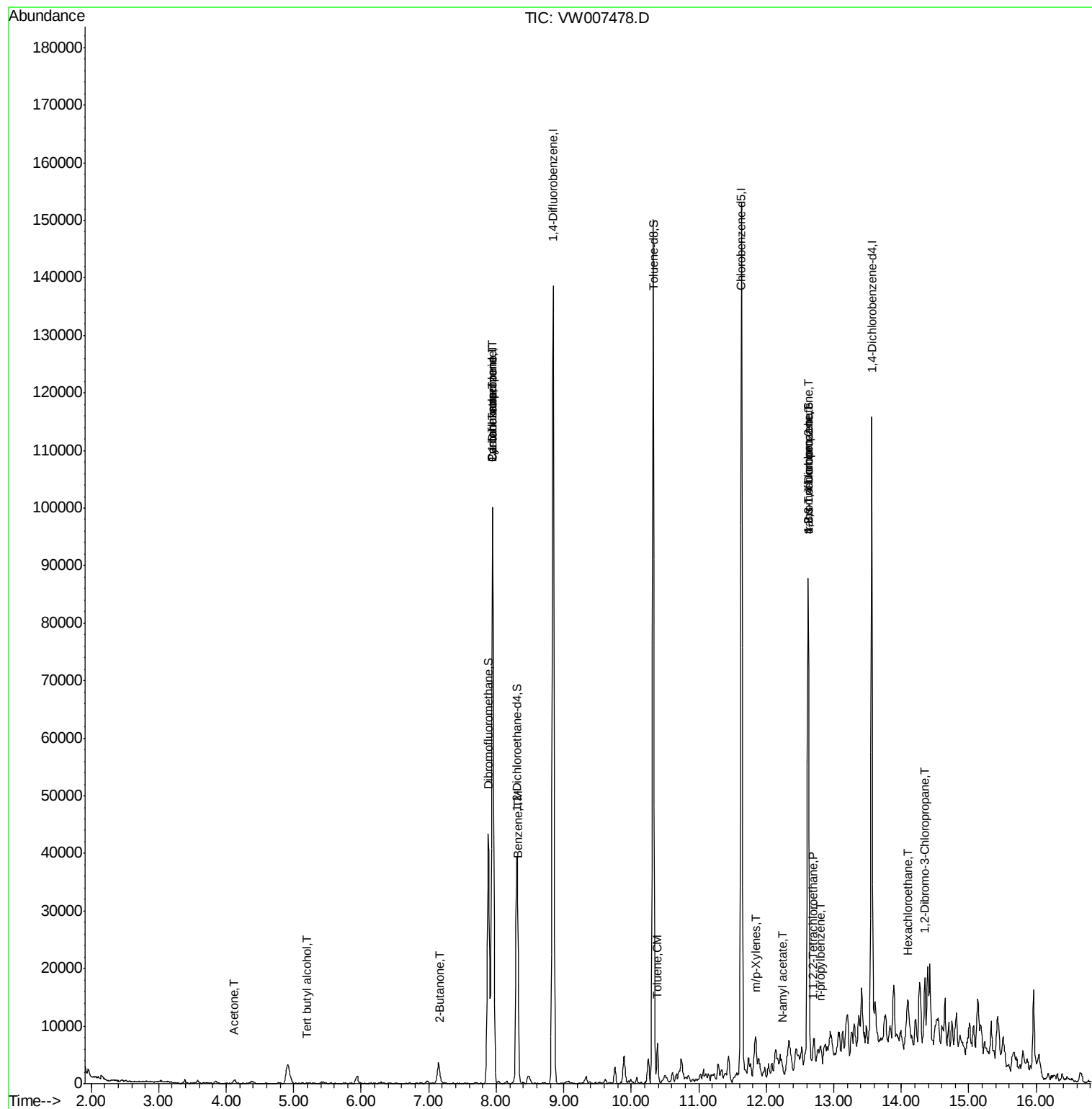
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	79	1.442	ug/l #	74
16) Acetone	4.12	43	1328	9.531	ug/l	93
25) 2-Butanone	7.17	43	263	1.446	ug/l #	45
31) Cyclohexane	7.95	56	1807	1.458	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	5566	5.230	ug/l #	51
38) Carbon Tetrachloride	7.95	117	7609	6.571	ug/l #	17
40) Benzene	8.32	78	3652	1.236	ug/l	98
52) Toluene	10.38	92	3151	1.649	ug/l	92
68) m/p-Xylenes	11.84	106	2228	1.849	ug/l	97
74) N-amyl acetate	12.25	43	499	1.258	ug/l #	41
75) 1,1,2,2-Tetrachloroethane	12.69	83	382	1.182	ug/l #	50
76) 1,2,3-Trichloropropane	12.62	75	14153	60.264	ug/l #	1
78) n-propylbenzene	12.81	91	2551	1.039	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.62	75	14153	133.123	ug/l #	7
90) Hexachloroethane	14.10	117	456	1.293	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.35	75	114	1.757	ug/l #	3

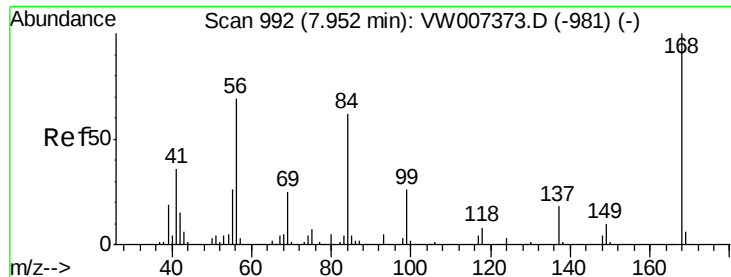
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121618\
Data File : VW007478.D
Acq On : 13 Dec 2018 10:51
Operator : SY/AP
Sample : J6319-09
Misc : 4.67G/5ML/MSVOA W/SOIL
ALS Vial : 56 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
063_SW-E-1

Quant Time: Dec 13 11:38:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007478.D

Acq: 13 Dec 2018 10:51

Instrument :

MSVOA_W

ClientSampleId :

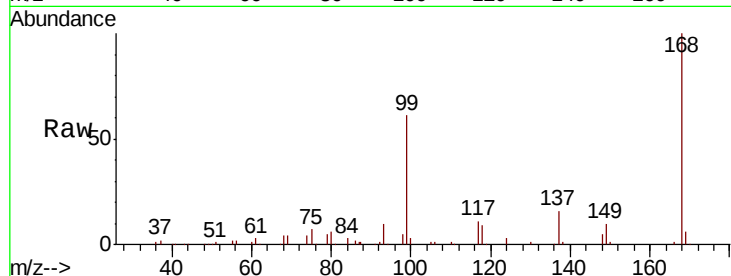
063_SW-E-1

Tot Ion:168 Resp: 71900

Ion Ratio Lower Upper

168 100

99 60.5 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

30000

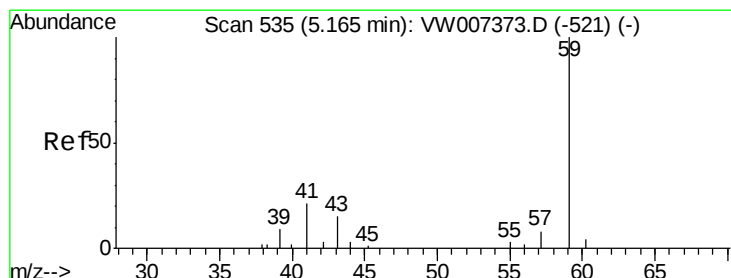
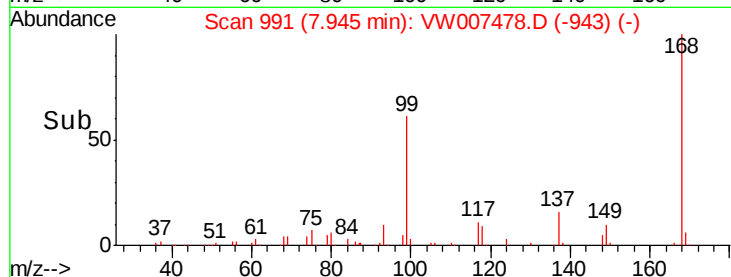
20000

10000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: 1.442 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.02 min

Lab File: VW007478.D

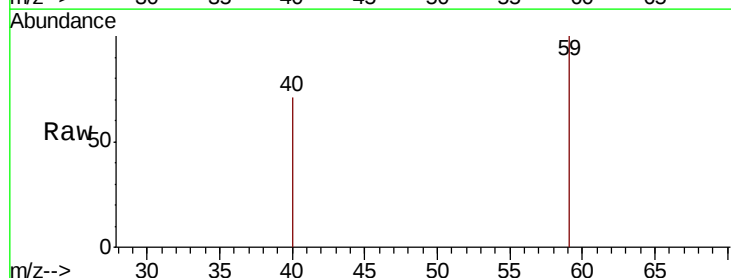
Acq: 13 Dec 2018 10:51

Tgt Ion: 59 Resp: 79

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

80

60

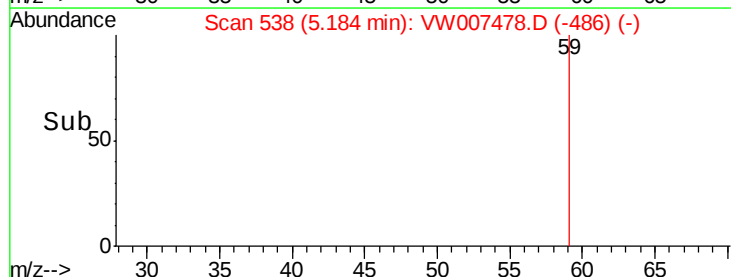
40

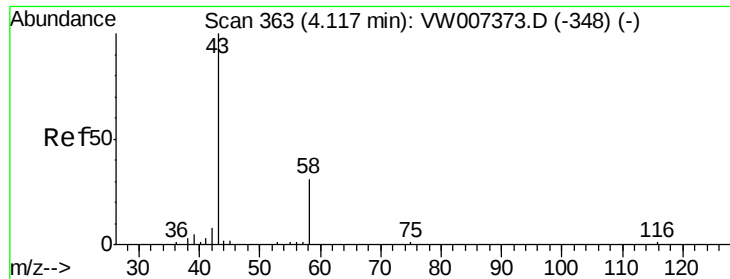
20

0

Time-->

5.16 5.18 5.20 5.22





#16

Acetone

Concen: 9.531 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007478.D

Acq: 13 Dec 2018 10:51

Instrument :

MSVOA_W

ClientSampleId :

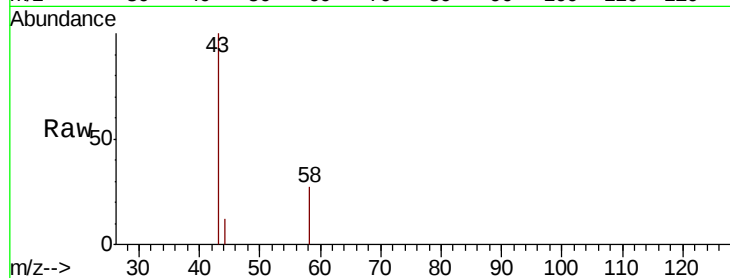
063_SW-E-1

Tot Ion: 43 Resp: 1328

Ion Ratio Lower Upper

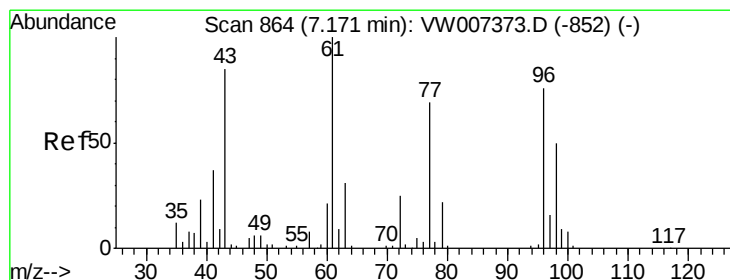
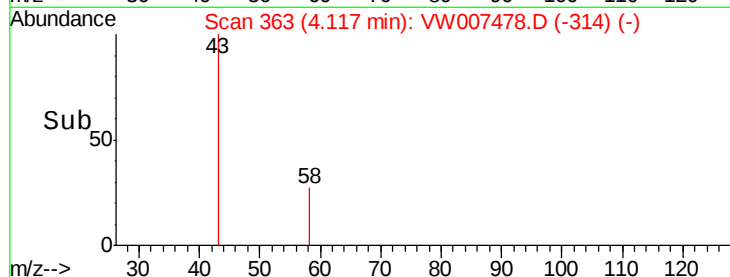
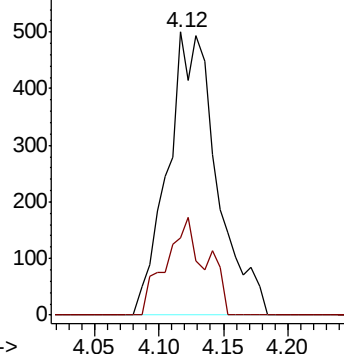
43 100

58 27.2 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

2-Butanone

Concen: 1.446 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007478.D

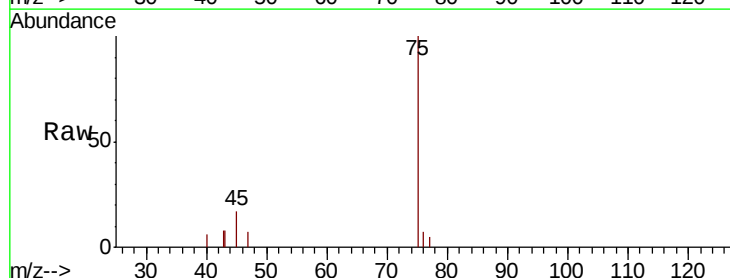
Acq: 13 Dec 2018 10:51

Tgt Ion: 43 Resp: 263

Ion Ratio Lower Upper

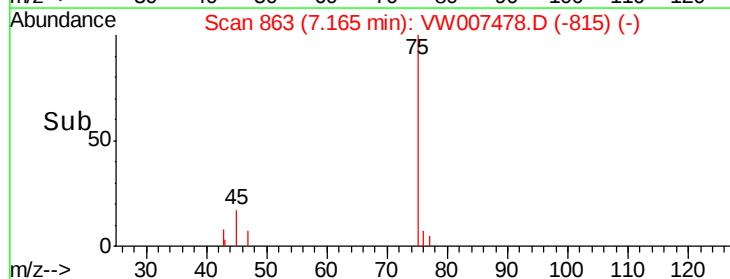
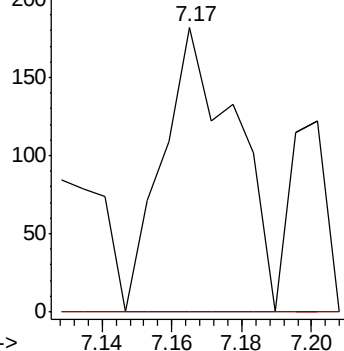
43 100

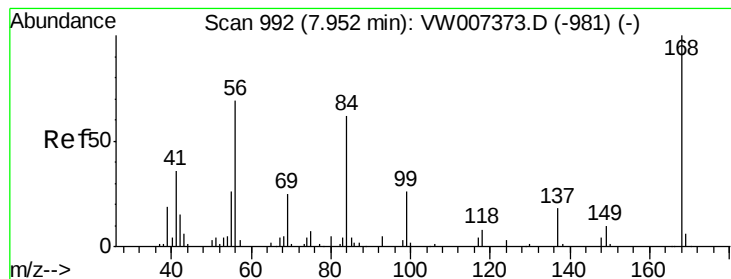
72 0.0 23.4 35.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.458 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007478.D

Acq: 13 Dec 2018 10:51

Instrument :

MSVOA_W

ClientSampleId :

063_SW-E-1

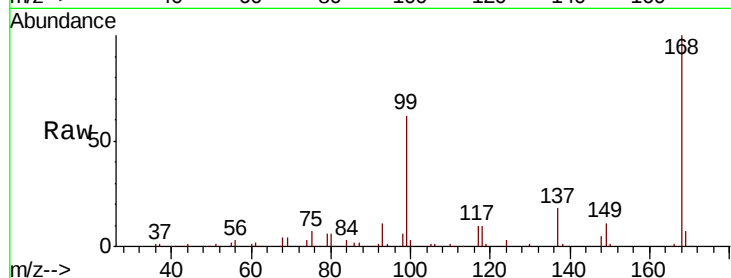
Tot Ion: 56 Resp: 1807

Ion Ratio Lower Upper

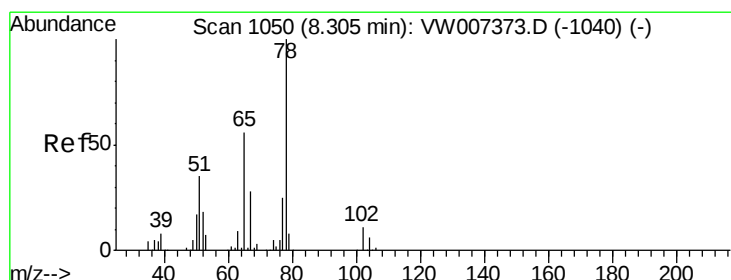
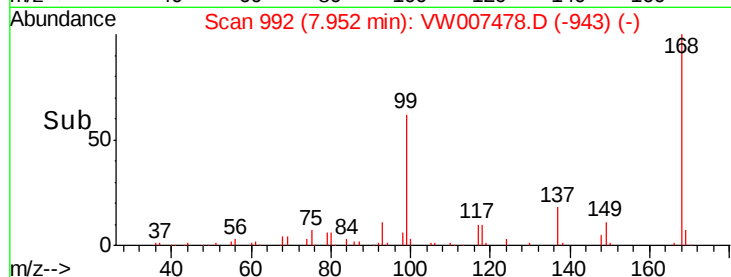
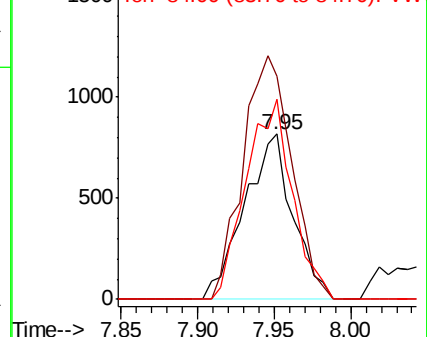
56 100

69 134.7 28.9 43.3#

84 120.7 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



#33

1,2-Dichloroethane-d4

Concen: 41.429 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW007478.D

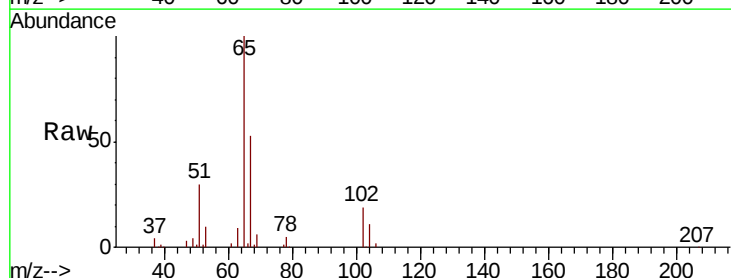
Acq: 13 Dec 2018 10:51

Tgt Ion: 65 Resp: 33047

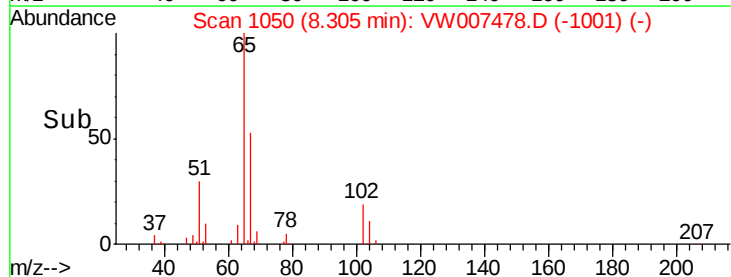
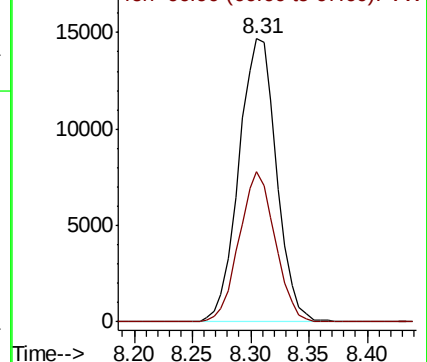
Ion Ratio Lower Upper

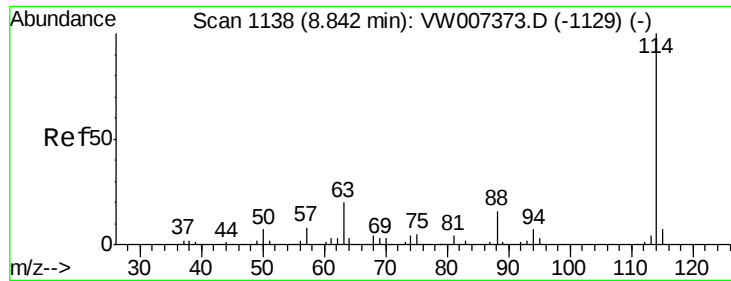
65 100

67 50.5 0.0 101.6



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

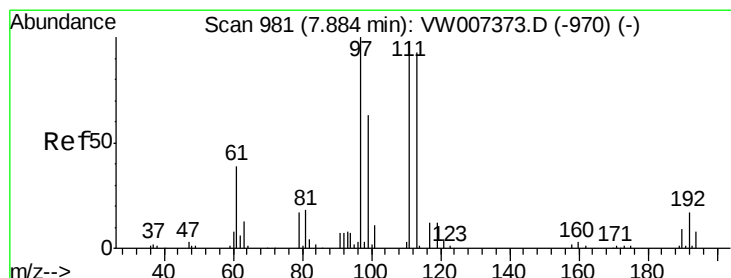
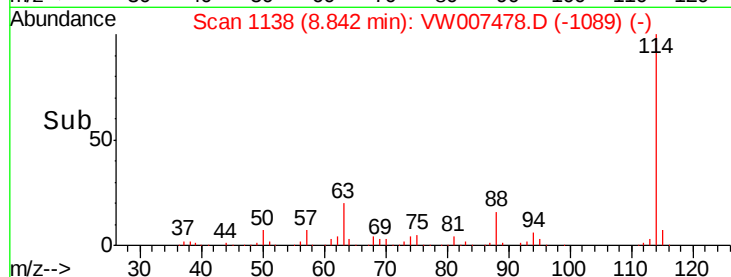
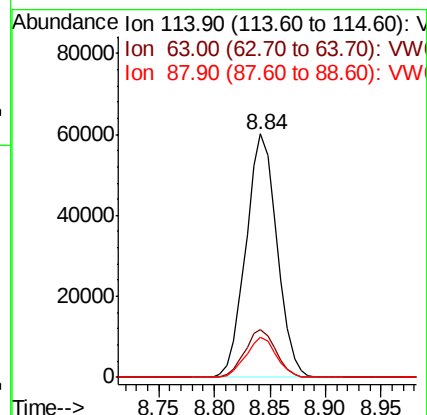
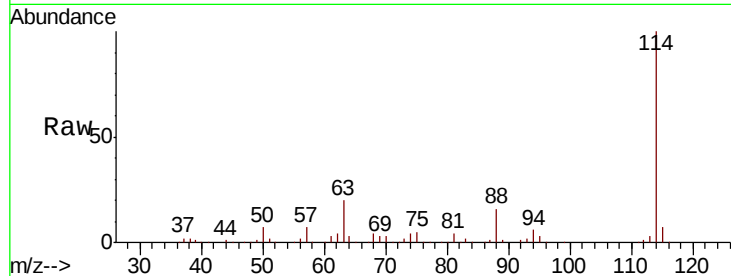




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007478.D
 Acq: 13 Dec 2018 10:51

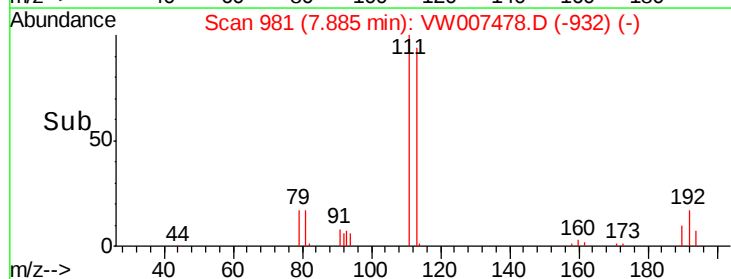
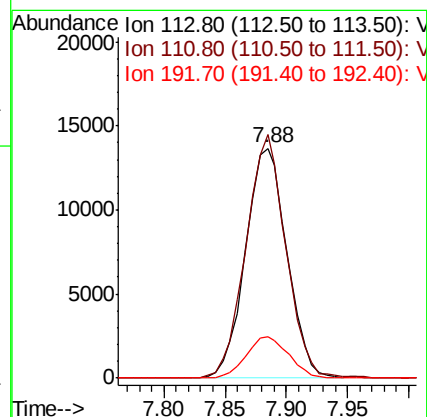
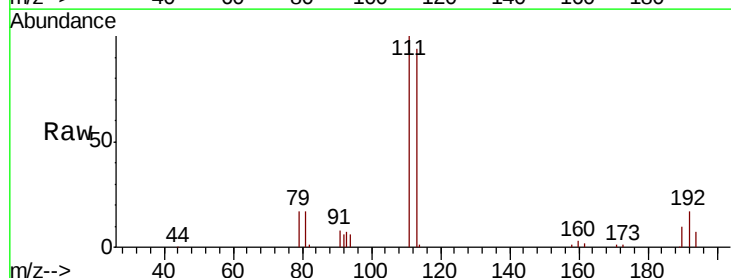
Instrument :
 MSVOA_W
 ClientSampleId :
 063_SW-E-1

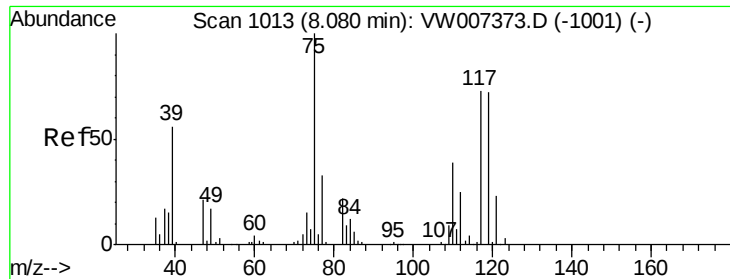
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.6
88	16.3	0.0	31.4



#35
 Dibromofluoromethane
 Concen: 45.559 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007478.D
 Acq: 13 Dec 2018 10:51

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.1	121.7
192	18.2	14.6	21.8

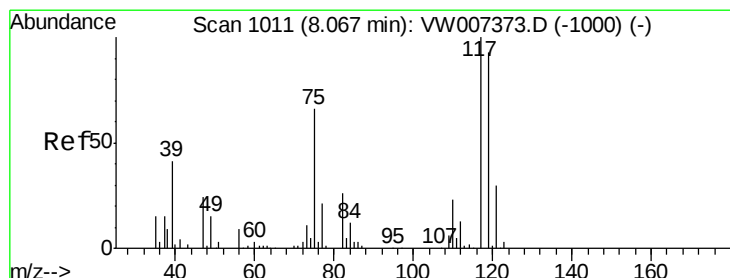
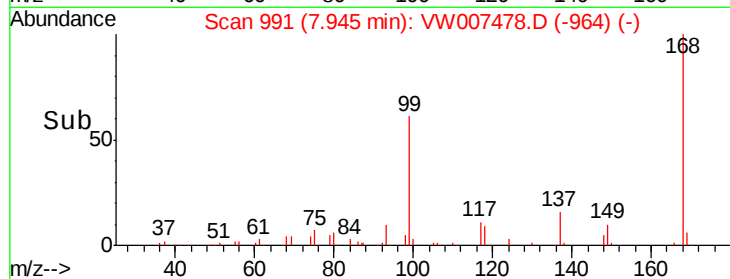
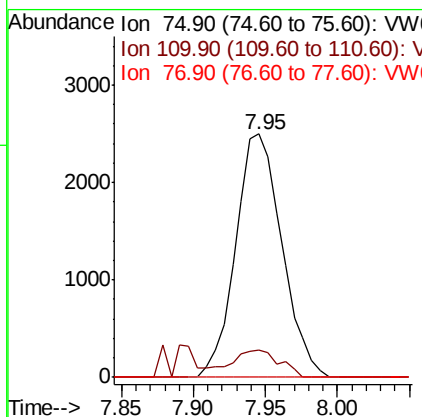
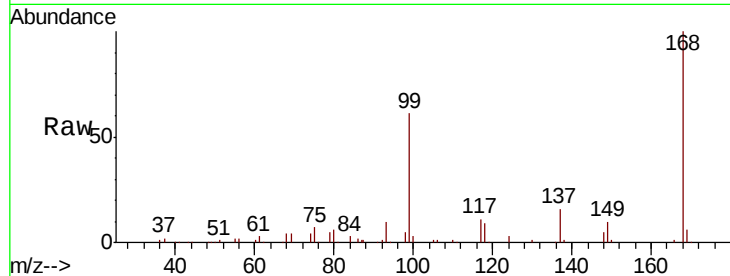




#36
 1,1-Dichloropropene
 Concen: 5.230 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007478.D
 Acq: 13 Dec 2018 10:51

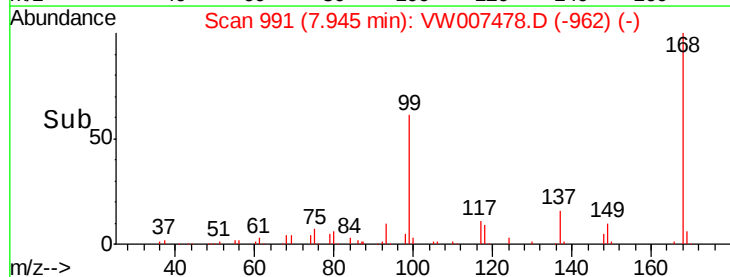
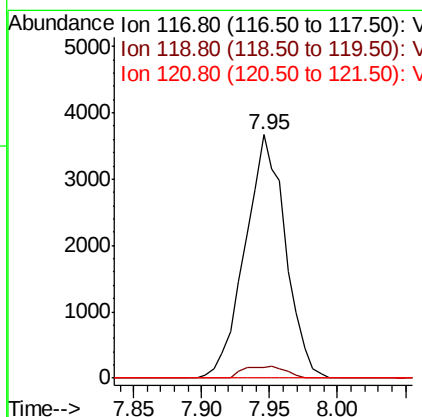
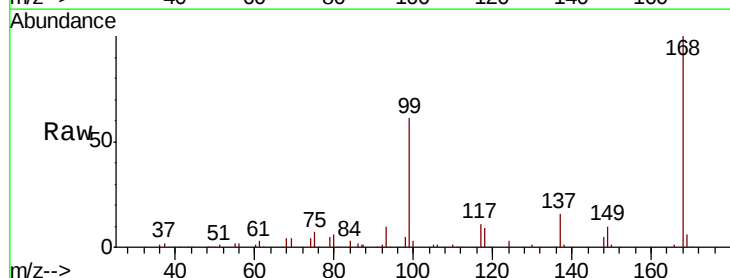
Instrument :
 MSVOA_W
 ClientSampleId :
 063_SW-E-1

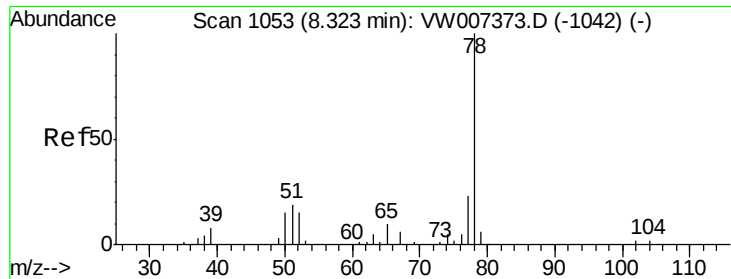
Tot Ion: 75 Resp: 5566
 Ion Ratio Lower Upper
 75 100
 110 11.9 18.5 55.5#
 77 0.0 25.6 38.4#



#38
 Carbon Tetrachloride
 Concen: 6.571 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW007478.D
 Acq: 13 Dec 2018 10:51

Tgt Ion: 117 Resp: 7609
 Ion Ratio Lower Upper
 117 100
 119 4.5 74.3 111.5#
 121 0.0 24.3 36.5#

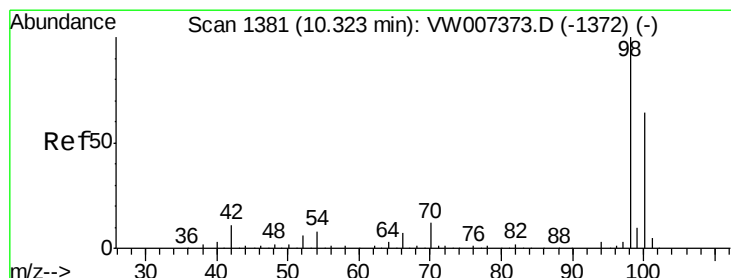
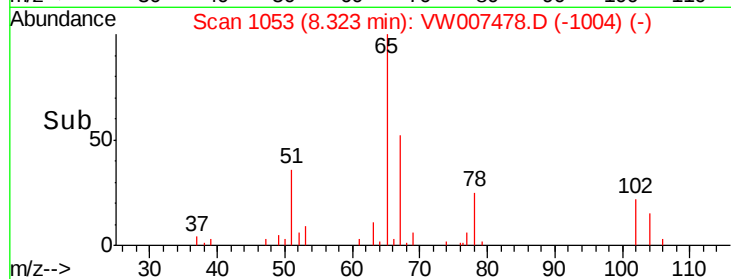
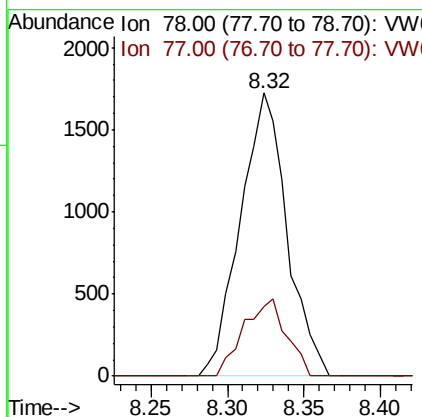
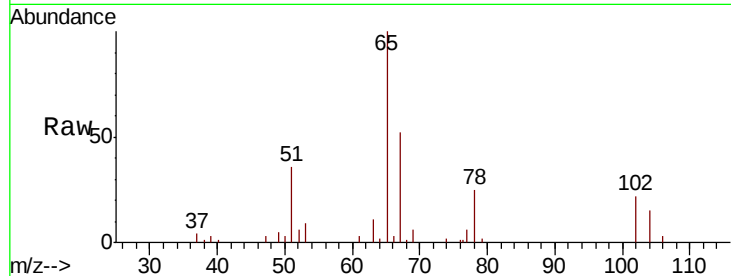




#40
Benzene
Concen: 1.236 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007478.D
Acq: 13 Dec 2018 10:51

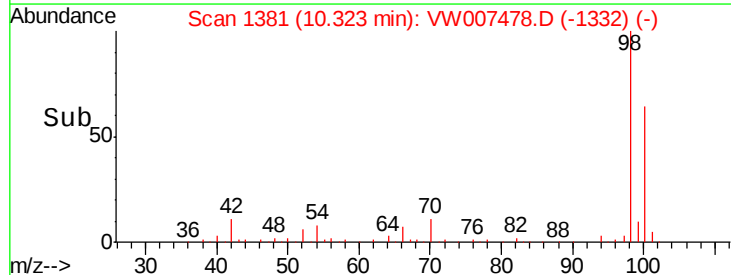
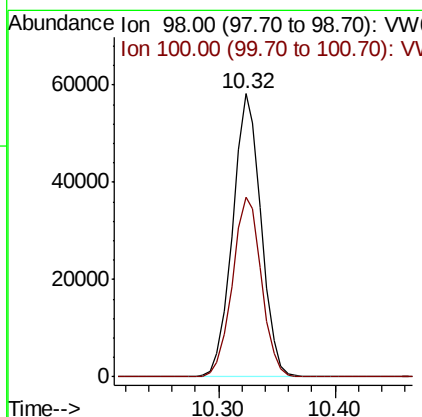
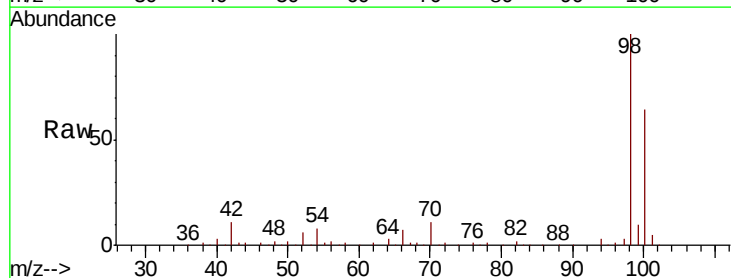
Instrument :
MSVOA_W
ClientSampleId :
063_SW-E-1

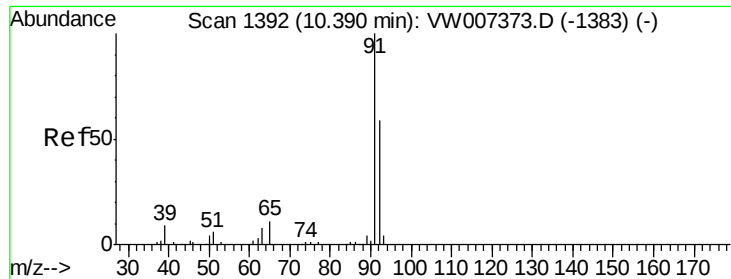
Tot Ion: 78 Resp: 3652
Ion Ratio Lower Upper
78 100
77 24.5 18.8 28.2



#50
Toluene-d8
Concen: 37.232 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007478.D
Acq: 13 Dec 2018 10:51

Tgt Ion: 98 Resp: 98589
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8





#52

Toluene

Concen: 1.649 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW007478.D

Acq: 13 Dec 2018 10:51

Instrument :

MSVOA_W

ClientSampleId :

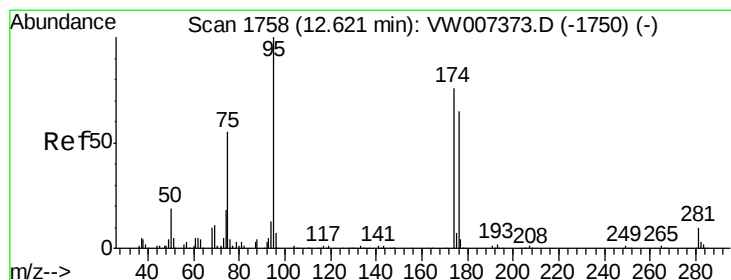
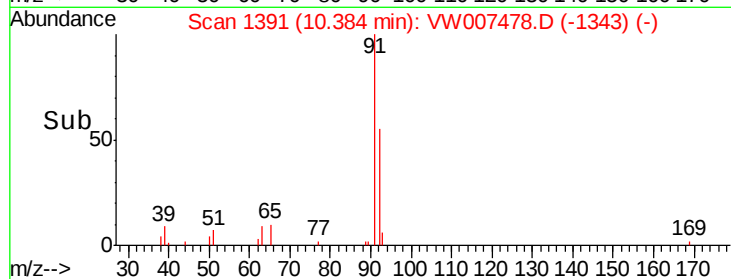
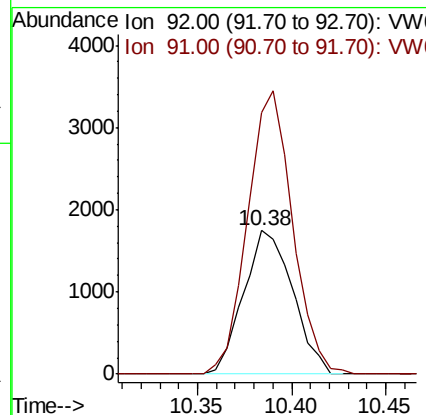
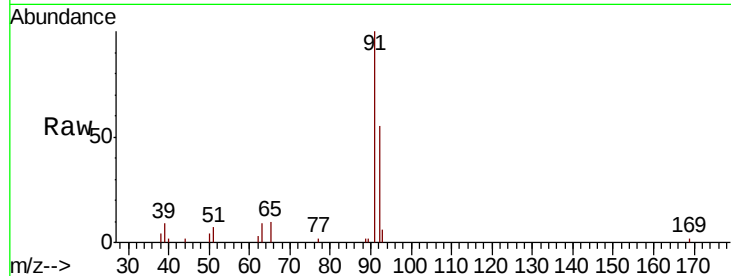
063_SW-E-1

Tot Ion: 92 Resp: 3151

Ion Ratio Lower Upper

92 100

91 180.7 136.2 204.2



#62

4-Bromofluorobenzene

Concen: 29.503 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007478.D

Acq: 13 Dec 2018 10:51

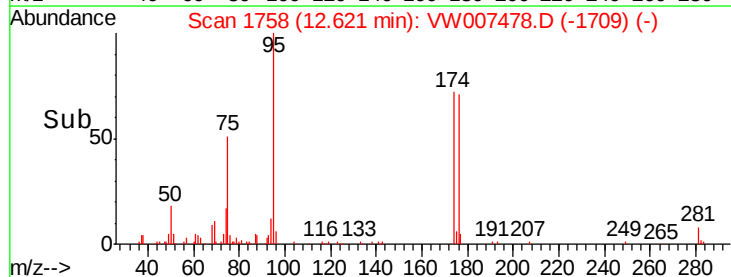
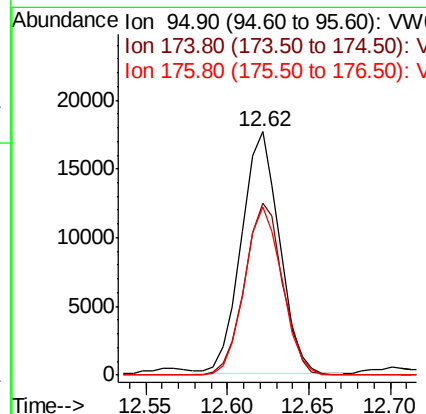
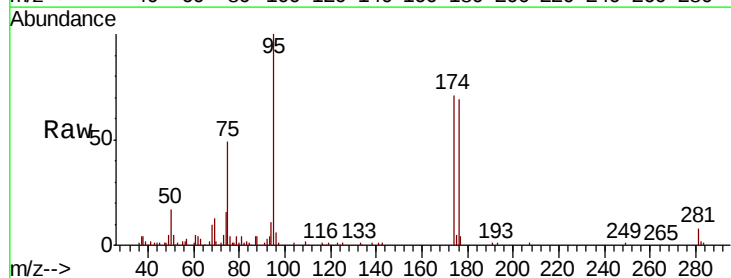
Tgt Ion: 95 Resp: 28724

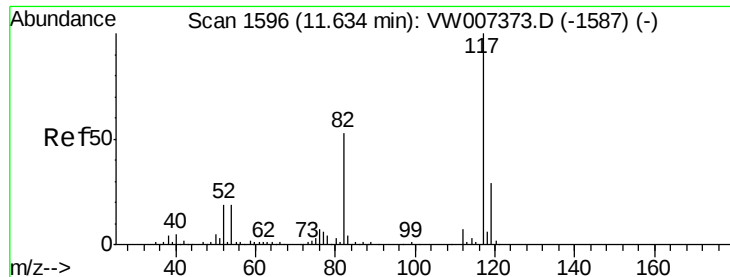
Ion Ratio Lower Upper

95 100

174 70.6 0.0 147.2

176 68.2 0.0 138.8

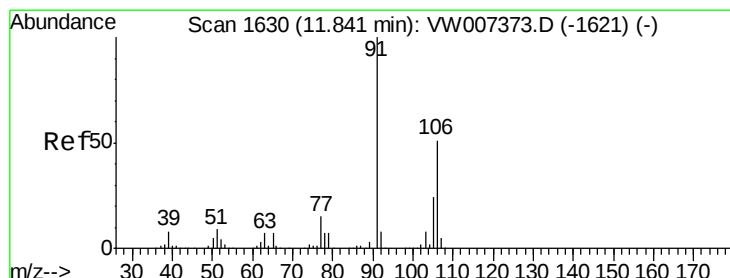
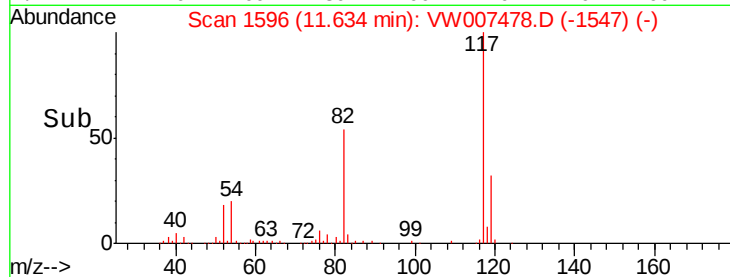
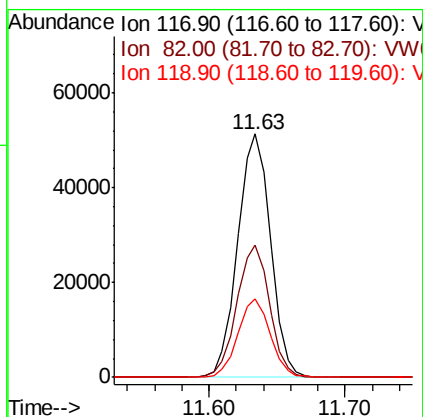
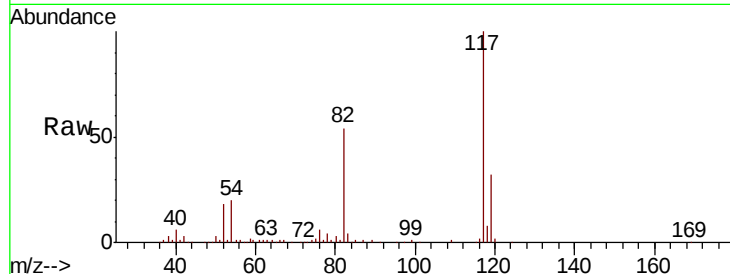




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007478.D
Acq: 13 Dec 2018 10:51

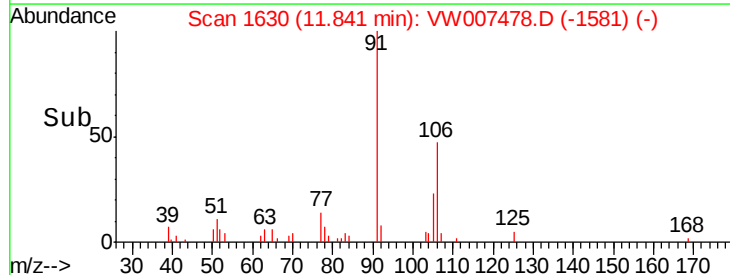
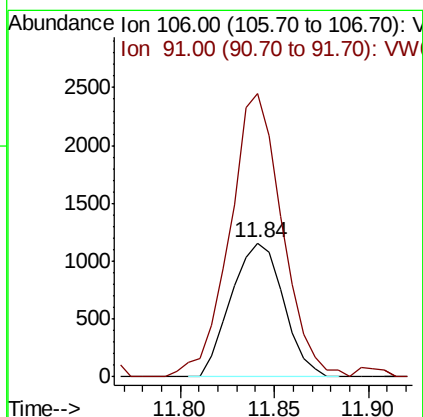
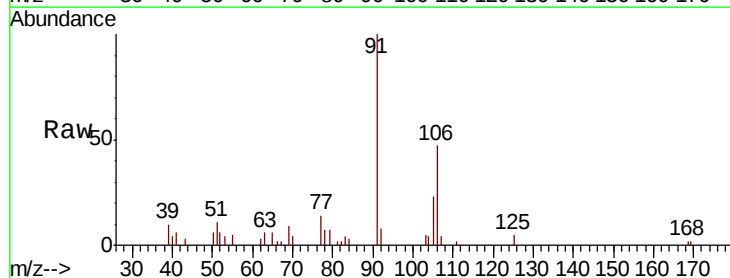
Instrument :
MSVOA_W
ClientSampleId :
063_SW-E-1

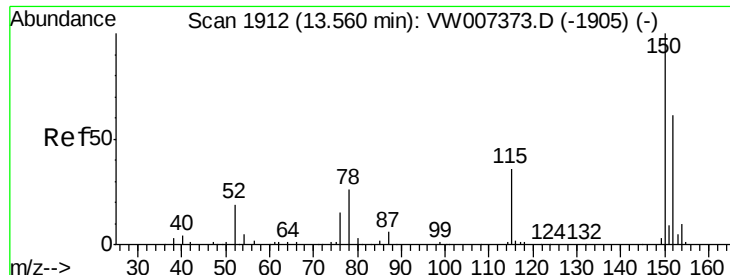
Tot Ion:117 Resp: 86505
Ion Ratio Lower Upper
117 100
82 54.2 42.3 63.5
119 31.9 23.0 34.6



#68
m/p-Xylenes
Concen: 1.849 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007478.D
Acq: 13 Dec 2018 10:51

Tgt Ion:106 Resp: 2228
Ion Ratio Lower Upper
106 100
91 211.9 165.3 247.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007478.D

Acq: 13 Dec 2018 10:51

Instrument :

MSVOA_W

ClientSampleId :

063_SW-E-1

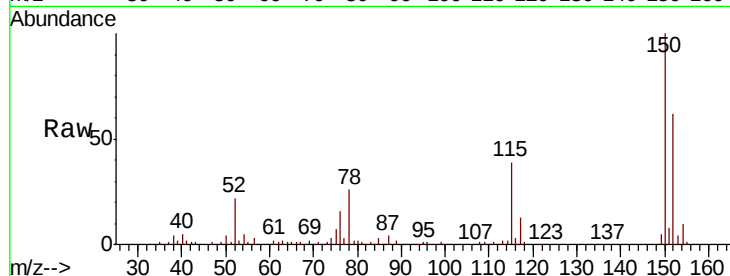
Tot Ion:152 Resp: 28483

Ion Ratio Lower Upper

152 100

115 61.6 31.4 94.2

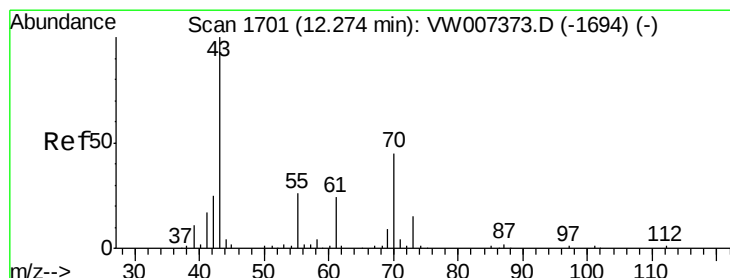
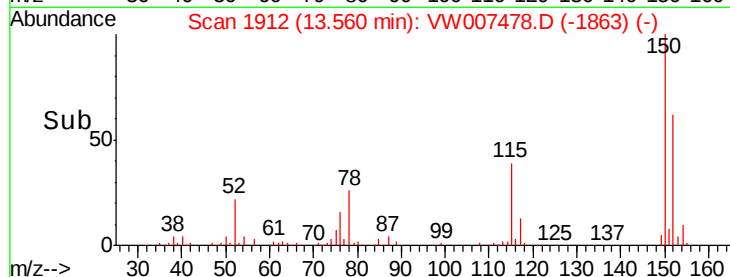
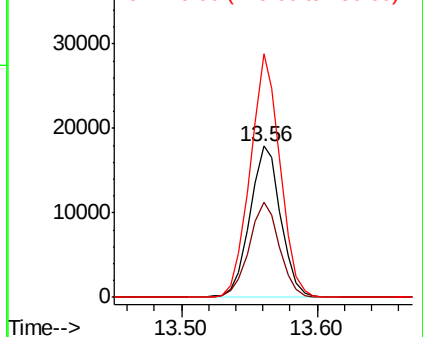
150 155.5 0.0 358.4



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: 1.258 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW007478.D

Acq: 13 Dec 2018 10:51

Tgt Ion: 43 Resp: 499

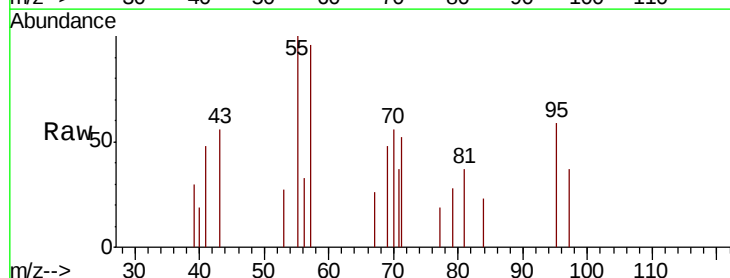
Ion Ratio Lower Upper

43 100

70 0.0 36.5 54.7#

55 0.0 20.1 30.1#

61 0.0 19.3 28.9#

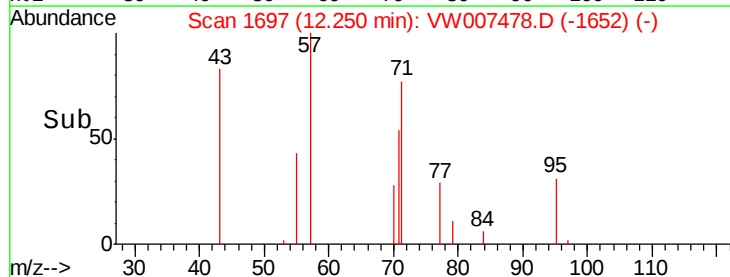
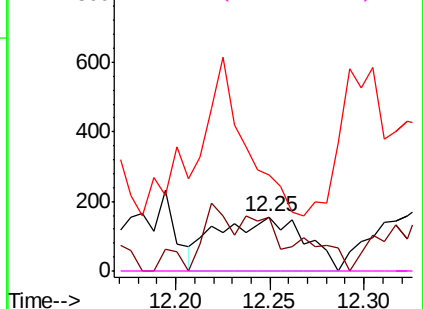


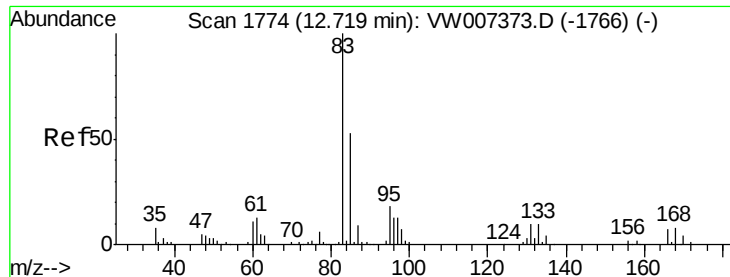
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 1.182 ug/l

RT: 12.69 min Scan# 1769

Delta R.T. -0.03 min

Lab File: VW007478.D

Acq: 13 Dec 2018 10:51

Instrument :

MSVOA_W

ClientSampled :

063_SW-E-1

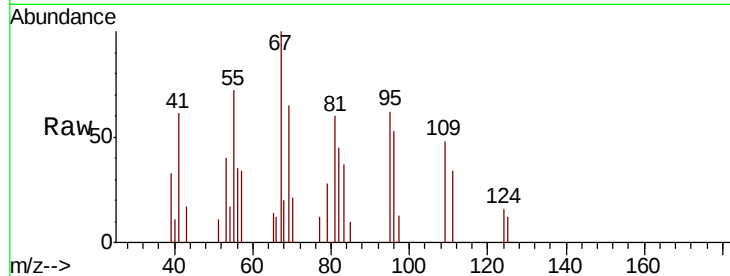
Tot Ion: 83 Resp: 382

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.8#

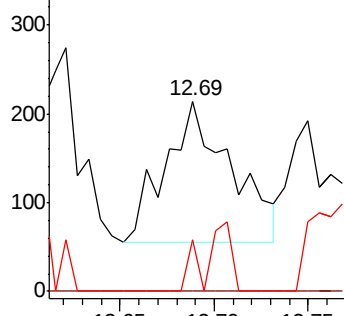
85 19.6 30.0 90.0#



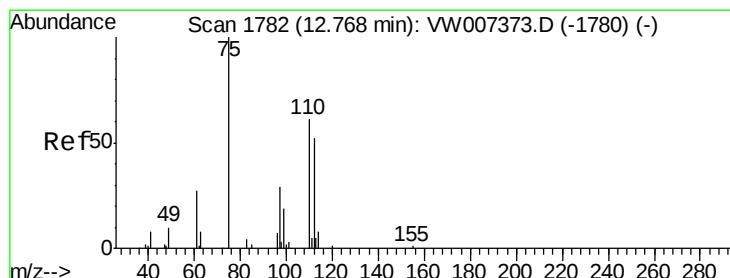
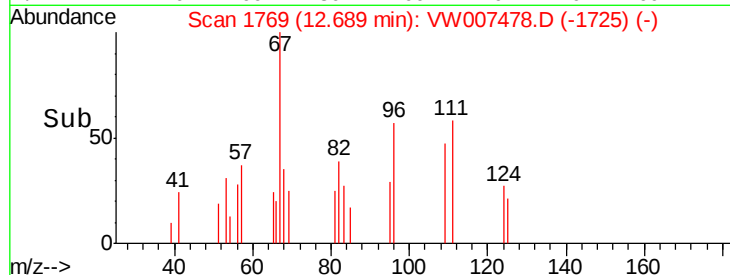
Abundance Ion 82.90 (82.60 to 83.60): VW

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: 60.264 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007478.D

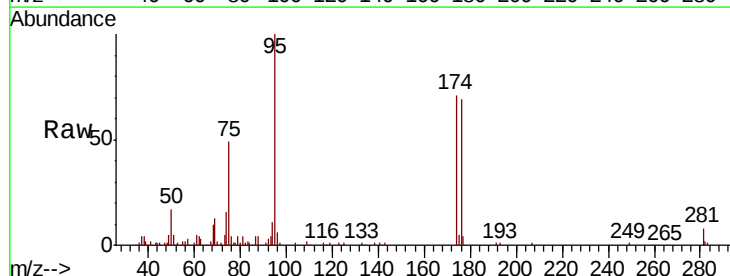
Acq: 13 Dec 2018 10:51

Tgt Ion: 75 Resp: 14153

Ion Ratio Lower Upper

75 100

77 2.2 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

10000

8000

6000

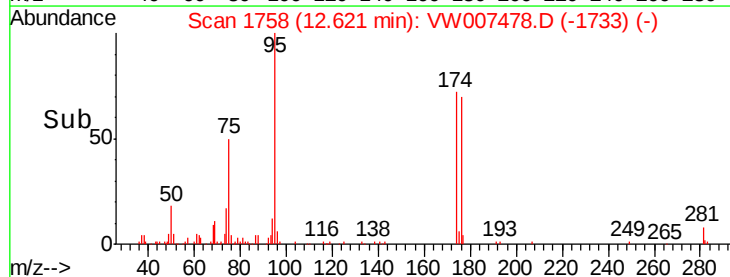
4000

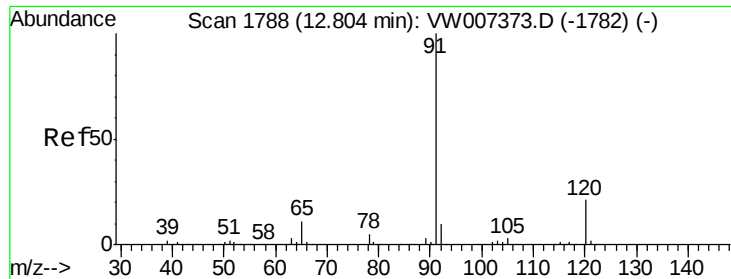
2000

0

12.55 12.60 12.65 12.70

Time-->





#78

n-propylbenzene

Concen: 1.039 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007478.D

Acq: 13 Dec 2018 10:51

Instrument :

MSVOA_W

ClientSampleId :

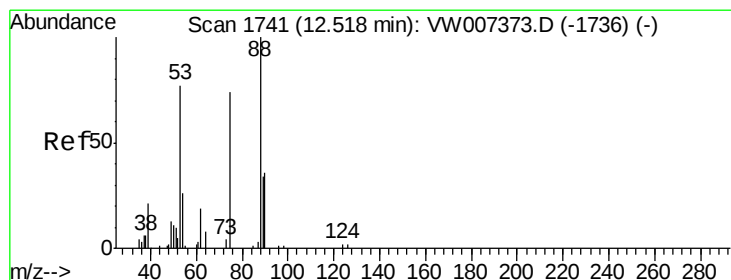
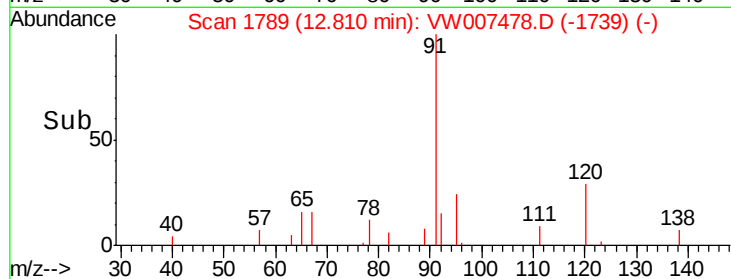
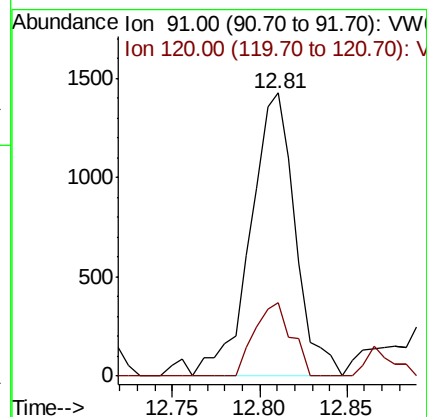
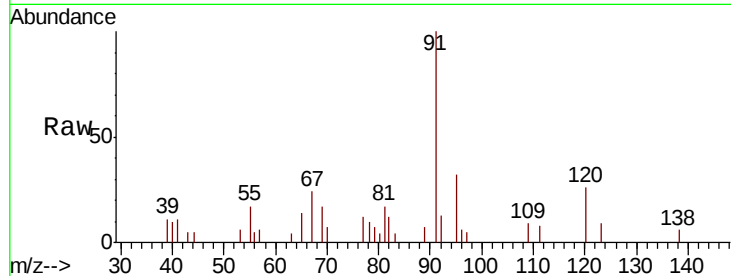
063_SW-E-1

Tot Ion: 91 Resp: 2551

Ion Ratio Lower Upper

91 100

120 21.2 11.9 35.5



#81

trans-1,4-Dichloro-2-butene

Concen: 133.123 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007478.D

Acq: 13 Dec 2018 10:51

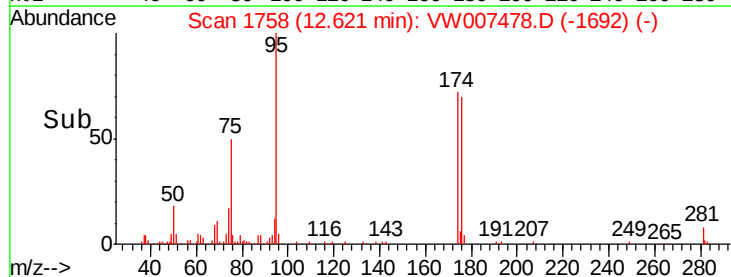
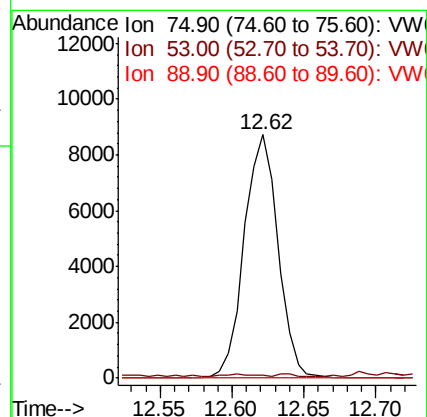
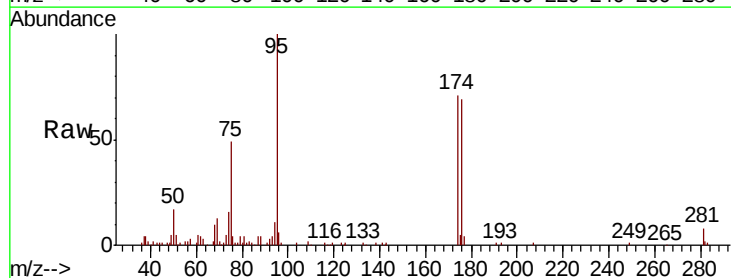
Tgt Ion: 75 Resp: 14153

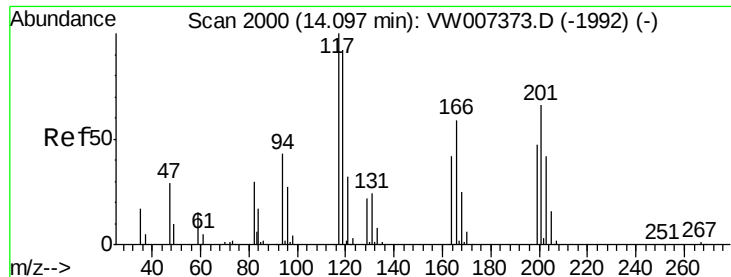
Ion Ratio Lower Upper

75 100

53 0.5 84.9 127.3#

89 0.0 40.3 60.5#





#90

Hexachloroethane

Concen: 1.293 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW007478.D

Acq: 13 Dec 2018 10:51

Instrument :

MSVOA_W

ClientSampleId :

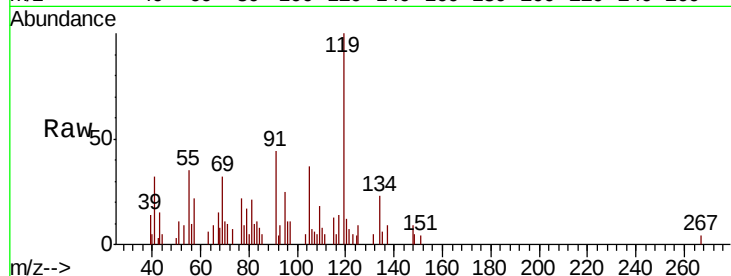
063_SW-E-1

Tot Ion:117 Resp: 456

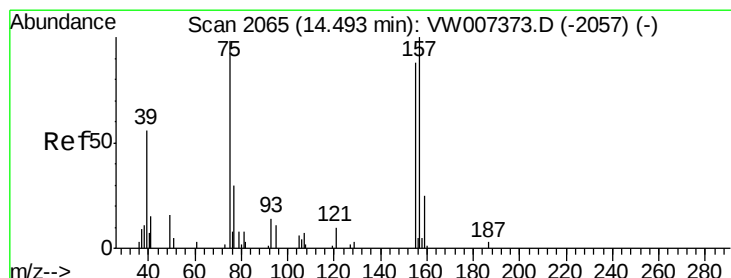
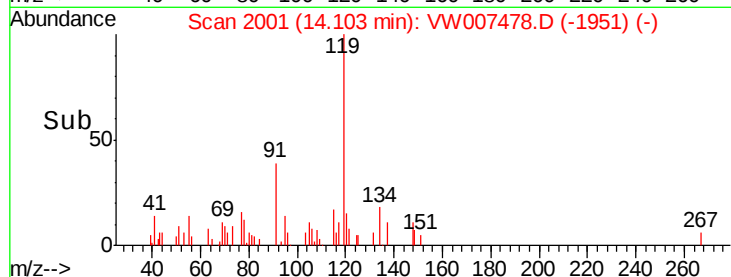
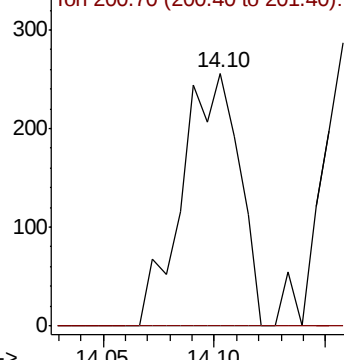
Ion Ratio Lower Upper

117 100

201 0.0 35.3 105.9#



Abundance Ion 116.80 (116.50 to 117.50): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.757 ug/l

RT: 14.35 min Scan# 2041

Delta R.T. -0.15 min

Lab File: VW007478.D

Acq: 13 Dec 2018 10:51

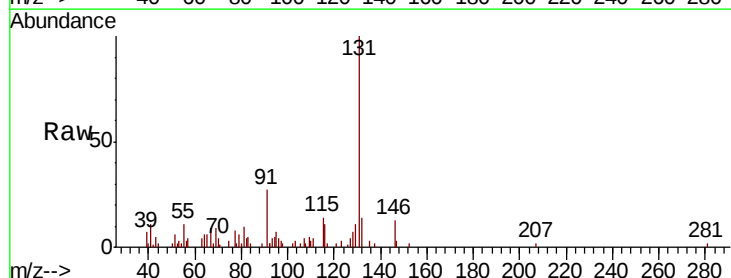
Tgt Ion: 75 Resp: 114

Ion Ratio Lower Upper

75 100

155 0.0 40.8 122.2#

157 0.0 51.1 153.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

