

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
 Data File : VW010358.D
 Acq On : 10 May 2019 16:08
 Operator : SY/VA
 Sample : K2717-14
 Misc : 3.76G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS003-0002-01

Quant Time: May 10 23:18:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1014466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1781976	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1371896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	404959	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	534753	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
35) Dibromofluoromethane	7.88	113	450640	43.21	ug/l	0.00
Spiked Amount			Recovery	=	86.42%	
50) Toluene-d8	10.32	98	1500848	35.35	ug/l	0.00
Spiked Amount			Recovery	=	70.70%	
62) 4-Bromofluorobenzene	12.62	95	375378	25.11	ug/l	0.00
Spiked Amount			Recovery	=	50.22%	

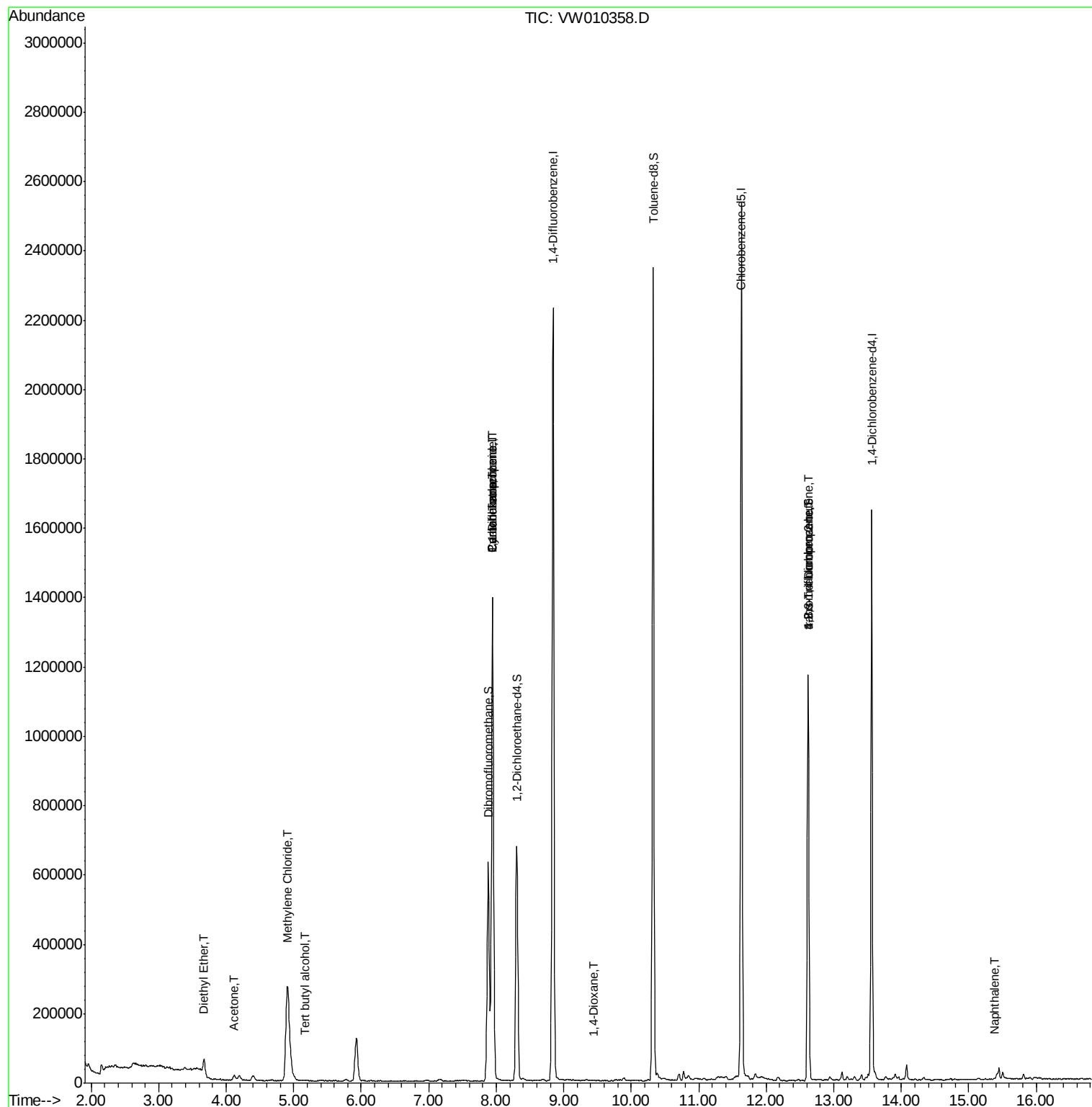
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	28328	4.988	ug/l	93
11) Tert butyl alcohol	5.17	59	1821	2.391	ug/l #	71
16) Acetone	4.12	43	25830	9.187	ug/l	92
20) Methylene Chloride	4.92	84	264079	22.519	ug/l	92
31) Cyclohexane	7.94	56	24447	1.107	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	85642	4.432	ug/l #	49
38) Carbon Tetrachloride	7.95	117	101661	6.138	ug/l #	18
49) 1,4-Dioxane	9.44	88	214	1.806	ug/l #	45
76) 1,2,3-Trichloropropane	12.62	75	190062	40.255	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	190062	90.907	ug/l #	6
95) Naphthalene	15.38	128	3011	3.746	ug/l #	89

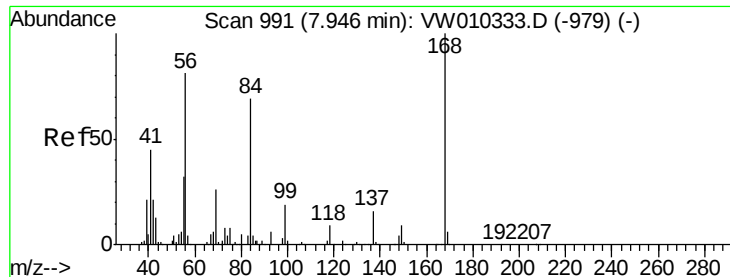
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010358.D

Acq: 10 May 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

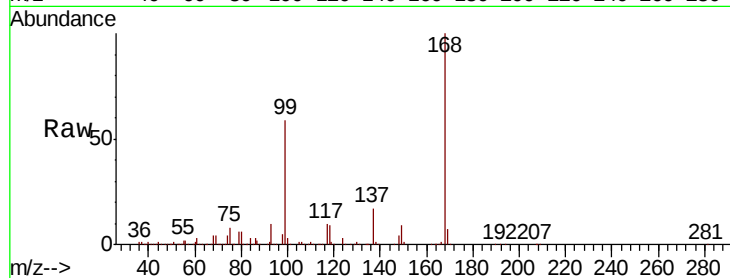
P026-SS003-0002-01

Tgt Ion:168 Resp: 1014466

Ion Ratio Lower Upper

168 100

99 59.0 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

500000

400000

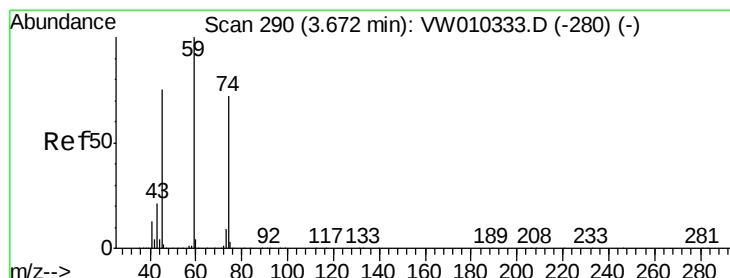
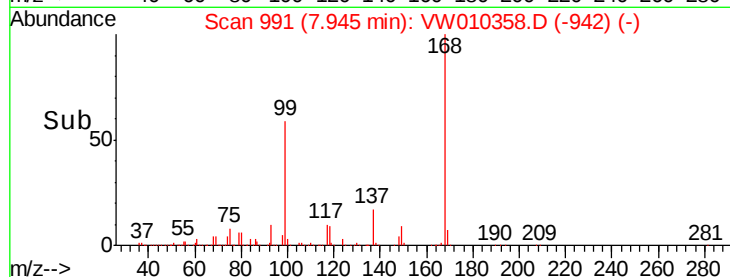
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 4.988 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VW010358.D

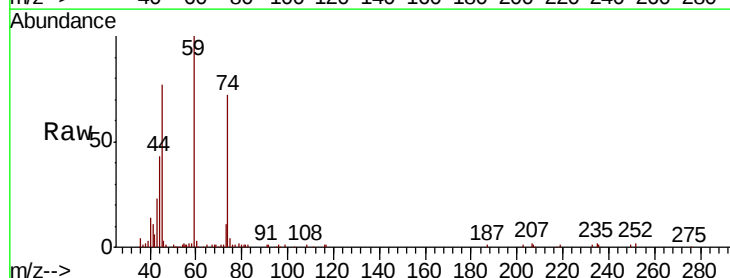
Acq: 10 May 2019 16:08

Tgt Ion: 74 Resp: 28328

Ion Ratio Lower Upper

74 100

45 104.8 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

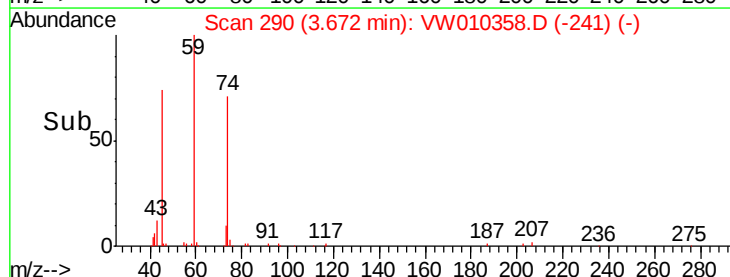
15000

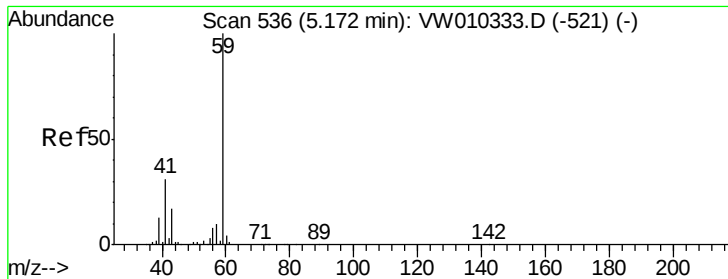
10000

5000

0

Time-->

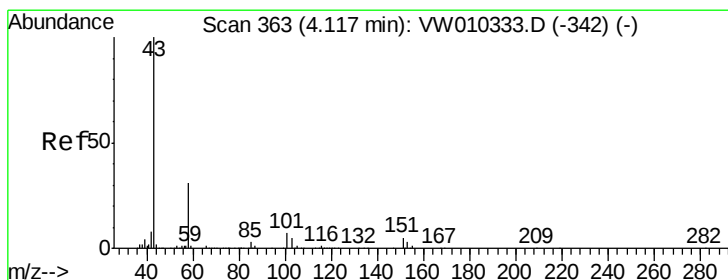
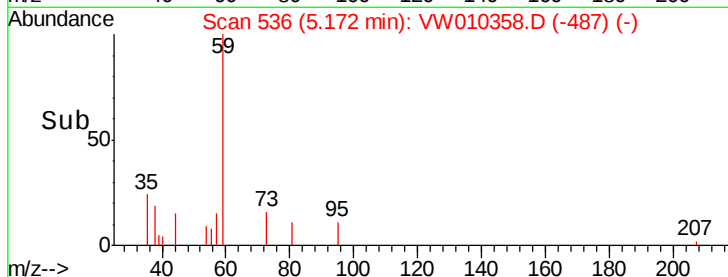
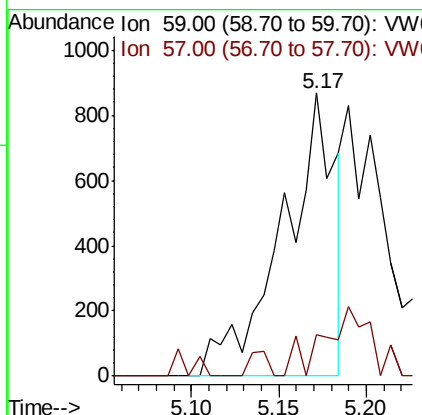
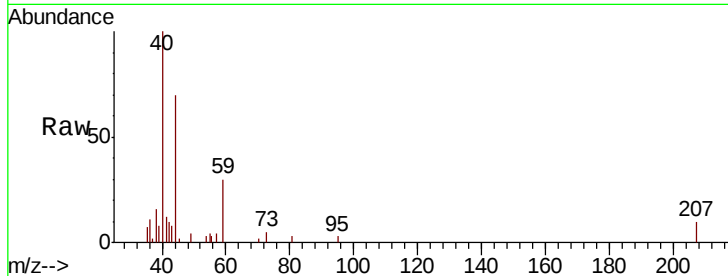




#11
Tert butyl alcohol
Concen: 2.391 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.00 min
Lab File: VW010358.D
Acq: 10 May 2019 16:08

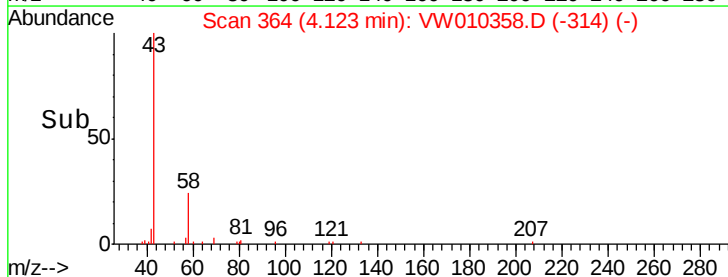
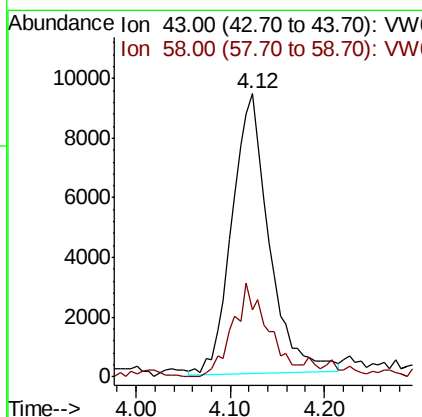
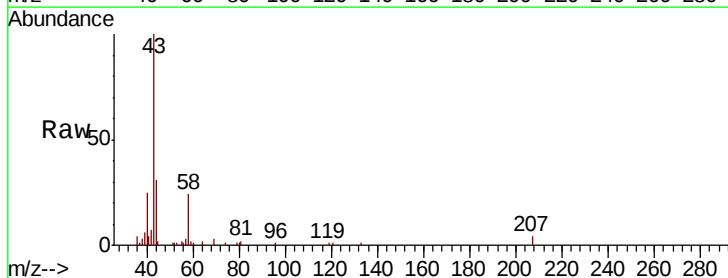
Instrument :
MSVOA_W
ClientSampleId :
P026-SS003-0002-01

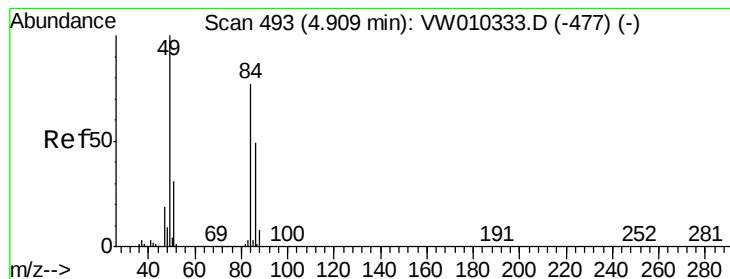
Tgt Ion: 59 Resp: 1821
Ion Ratio Lower Upper
59 100
57 22.1 9.0 13.4#



#16
Acetone
Concen: 9.187 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW010358.D
Acq: 10 May 2019 16:08

Tgt Ion: 43 Resp: 25830
Ion Ratio Lower Upper
43 100
58 24.1 22.7 34.1





#20

Methylene Chloride

Concen: 22.519 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW010358.D

Acq: 10 May 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

P026-SS003-0002-01

Tgt Ion: 84 Resp: 264079

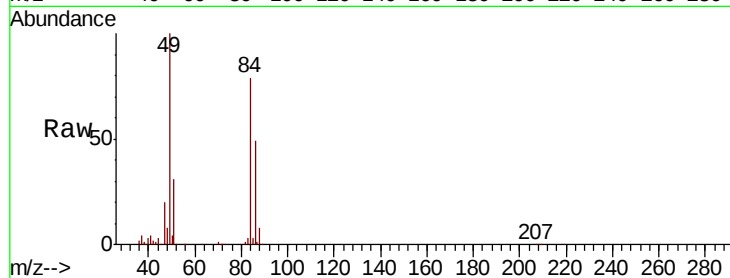
Ion Ratio Lower Upper

84 100

49 126.8 112.3 168.5

51 38.7 33.9 50.9

86 62.4 50.2 75.4



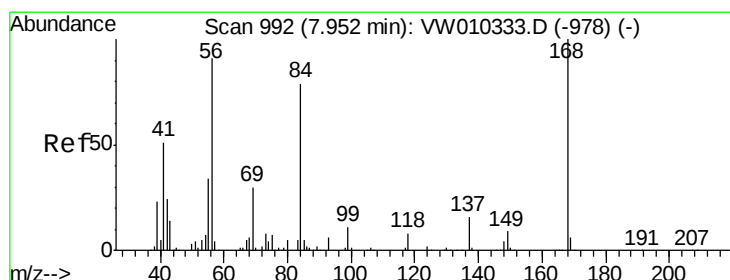
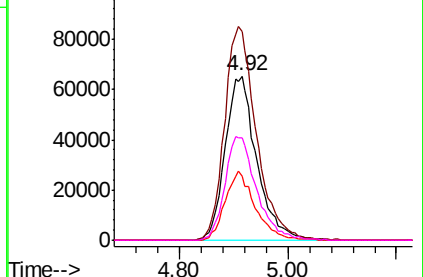
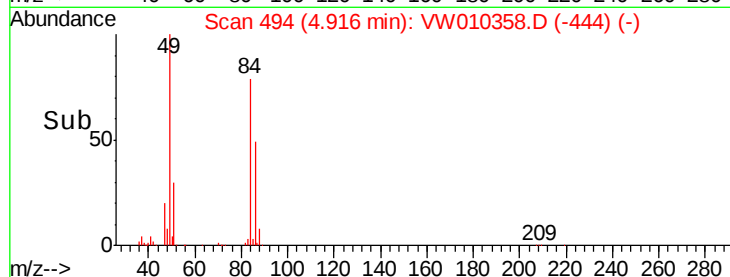
Abundance Ion 83.90 (83.60 to 84.60): VW

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

Time-->



#31

Cyclohexane

Concen: 1.107 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW010358.D

Acq: 10 May 2019 16:08

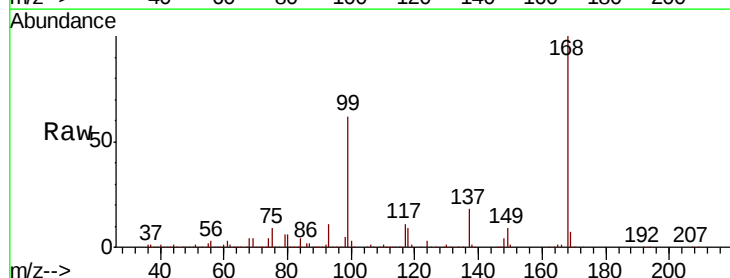
Tgt Ion: 56 Resp: 24447

Ion Ratio Lower Upper

56 100

69 158.0 26.6 40.0#

84 133.0 66.2 99.2#

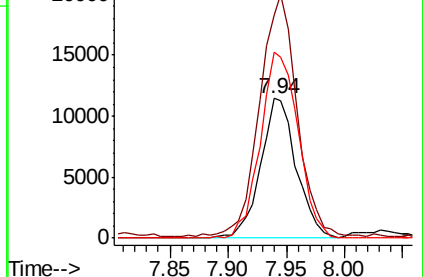
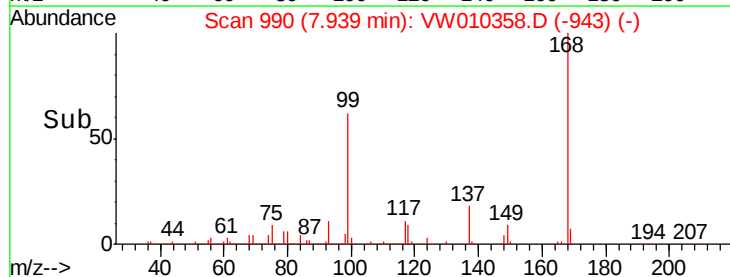


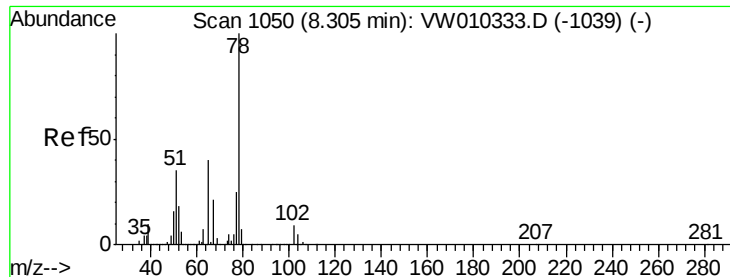
Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

Time-->





#33

1,2-Dichloroethane-d4

Concen: 49.582 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010358.D

Acq: 10 May 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

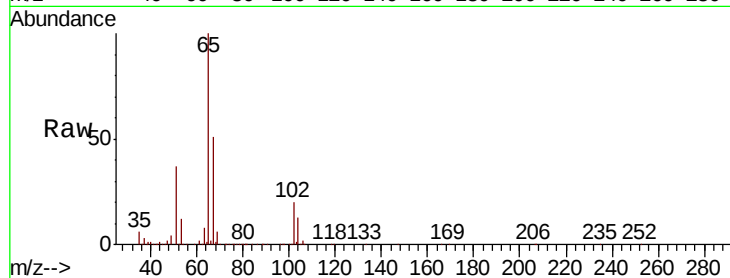
P026-SS003-0002-01

Tgt Ion: 65 Resp: 534753

Ion Ratio Lower Upper

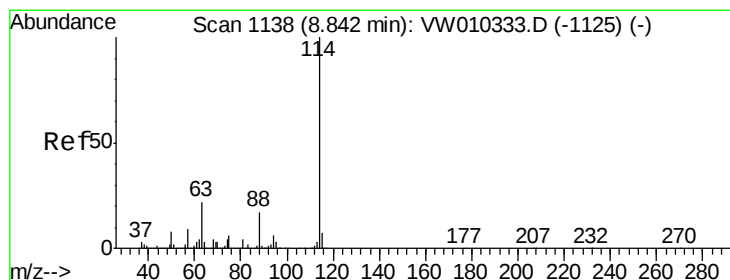
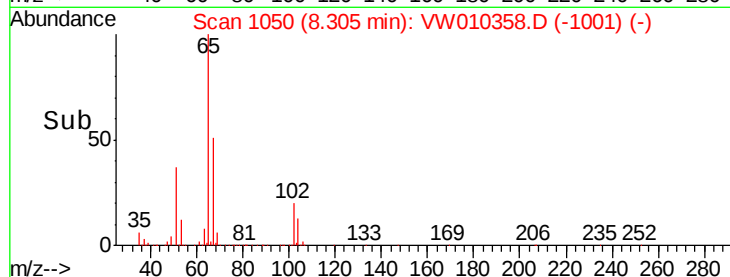
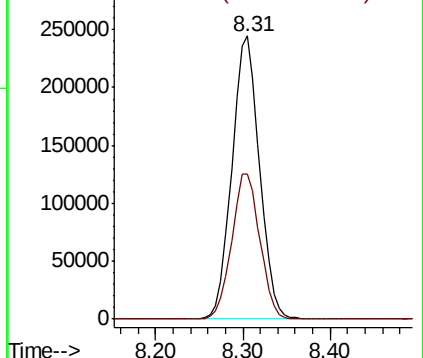
65 100

67 52.7 0.0 100.8



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: VW010358.D

Acq: 10 May 2019 16:08

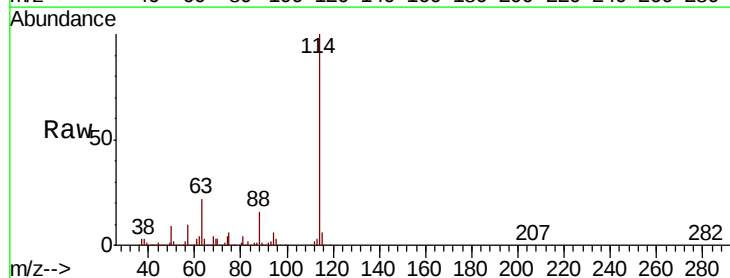
Tgt Ion: 114 Resp: 1781976

Ion Ratio Lower Upper

114 100

63 22.2 0.0 46.2

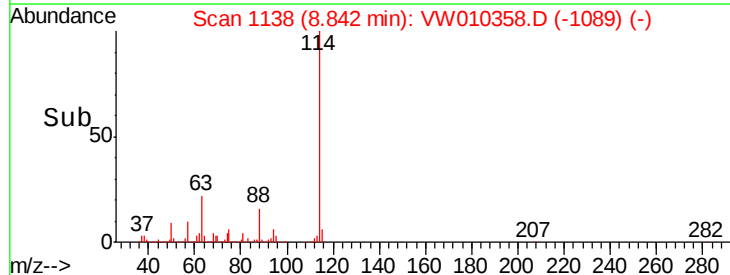
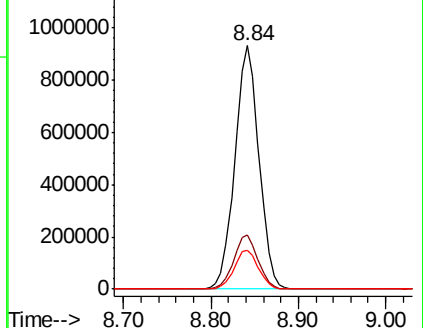
88 16.1 0.0 32.6

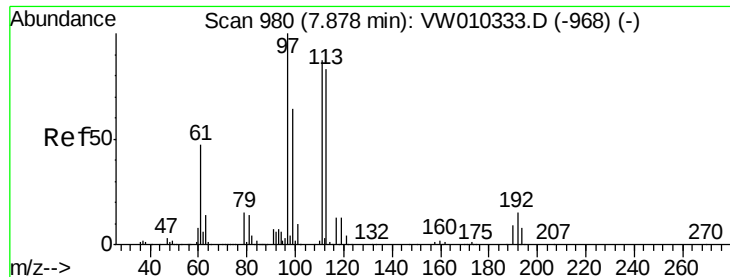


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 43.215 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW010358.D

Acq: 10 May 2019 16:08

Instrument :

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ClientSampleId :

P026-SS003-0002-01

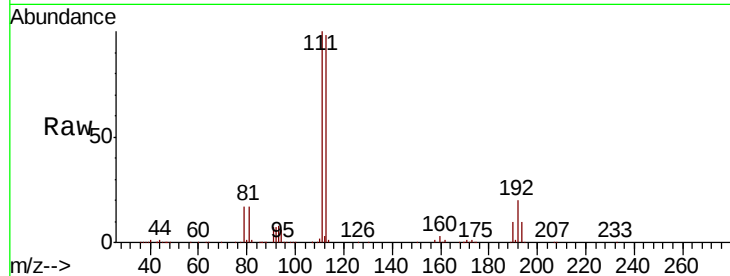
Tgt Ion:113 Resp: 450640

Ion Ratio Lower Upper

113 100

111 104.1 82.6 123.8

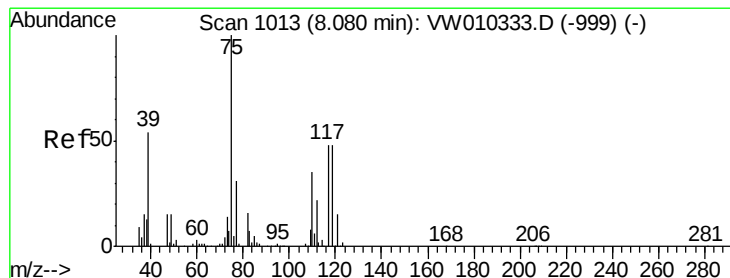
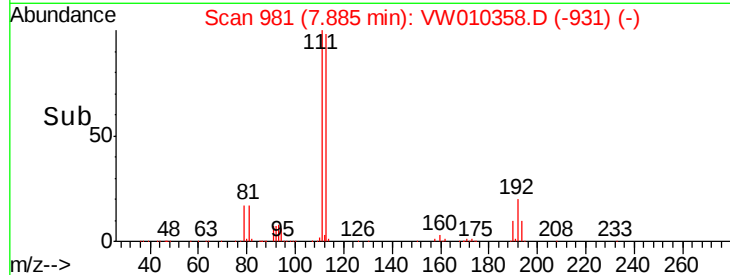
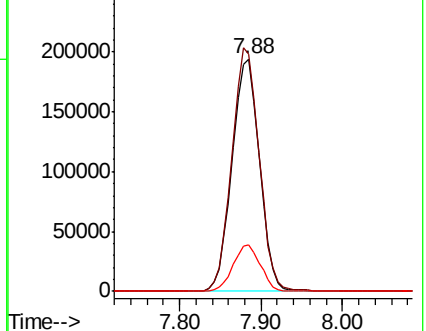
192 19.8 15.4 23.2



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: 4.432 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010358.D

Acq: 10 May 2019 16:08

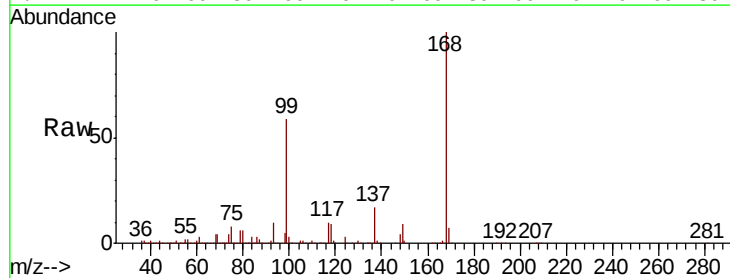
Tgt Ion: 75 Resp: 85642

Ion Ratio Lower Upper

75 100

110 7.1 16.6 49.8#

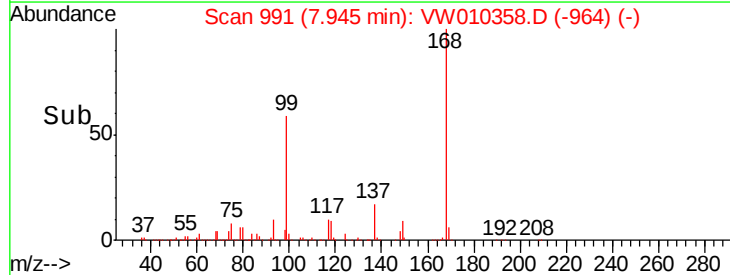
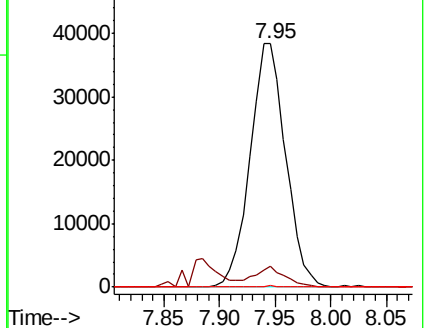
77 0.5 24.8 37.2#

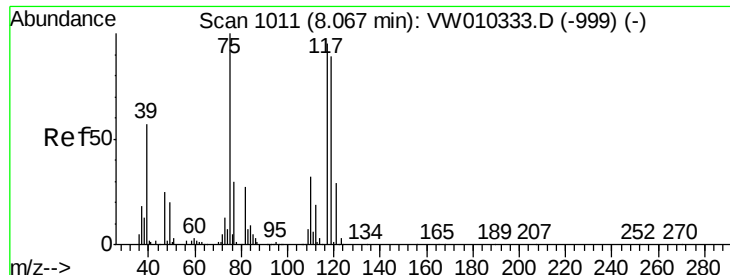


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.138 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010358.D

Acq: 10 May 2019 16:08

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ClientSampleId :

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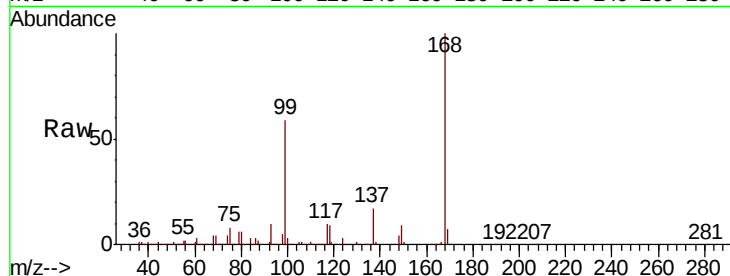
Tgt Ion:117 Resp: 101661

Ion Ratio Lower Upper

117 100

119 7.0 75.3 112.9#

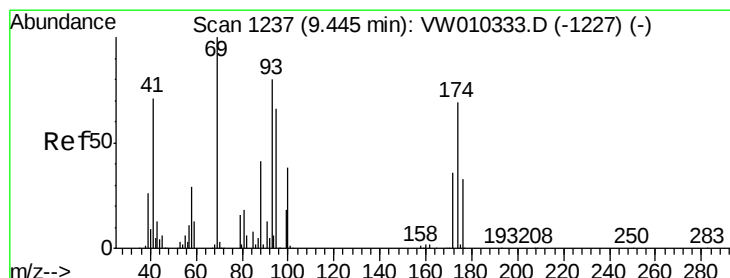
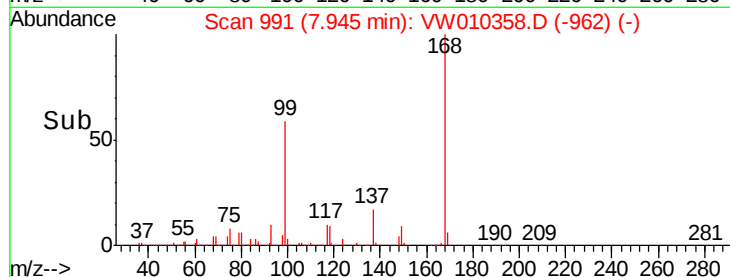
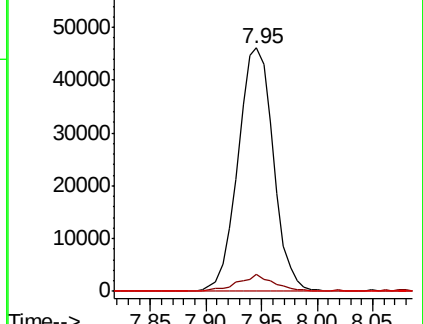
121 0.0 24.4 36.6#



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



#49

1,4-Dioxane

Concen: 1.806 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW010358.D

Acq: 10 May 2019 16:08

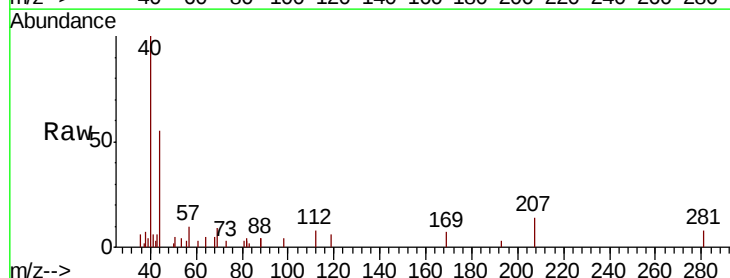
Tgt Ion: 88 Resp: 214

Ion Ratio Lower Upper

88 100

43 0.0 31.9 47.9#

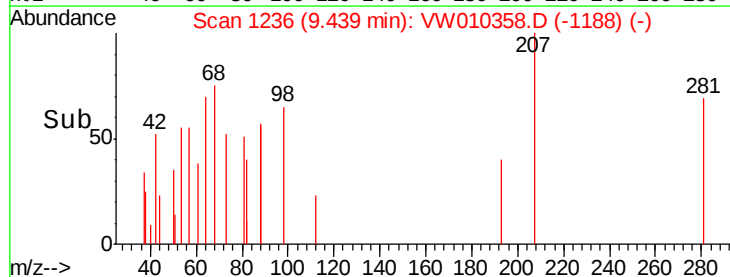
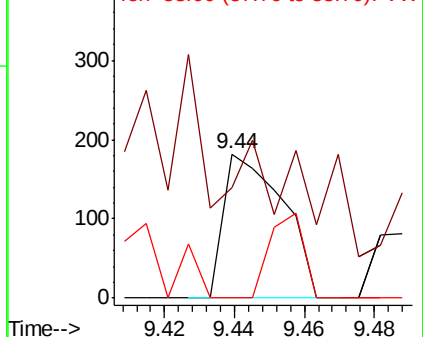
58 33.6 61.8 92.6#

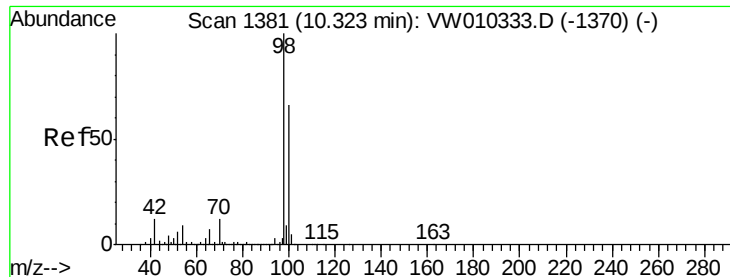


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 35.345 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010358.D

Acq: 10 May 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

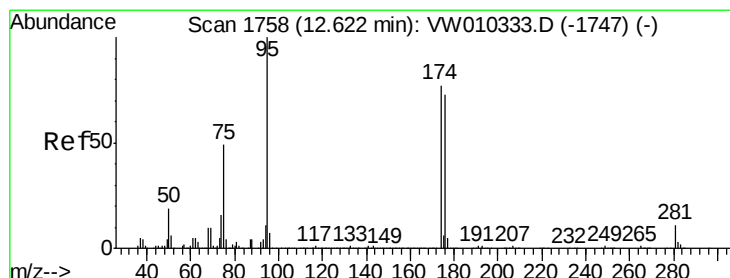
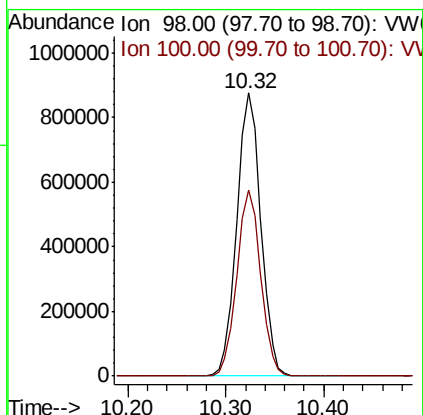
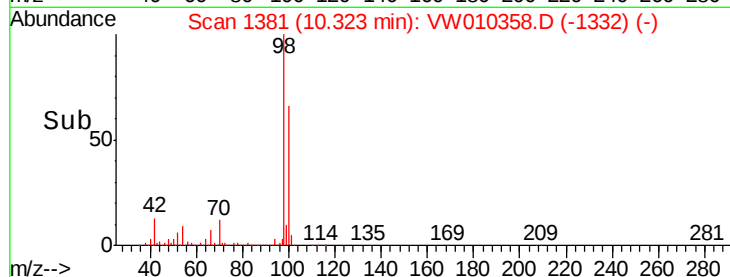
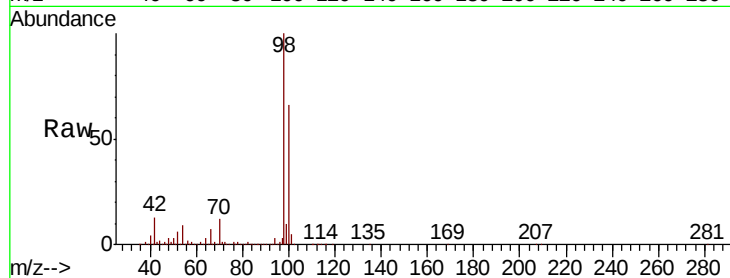
P026-SS003-0002-01

Tgt Ion: 98 Resp: 1500848

Ion Ratio Lower Upper

98 100

100 65.0 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 25.114 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010358.D

Acq: 10 May 2019 16:08

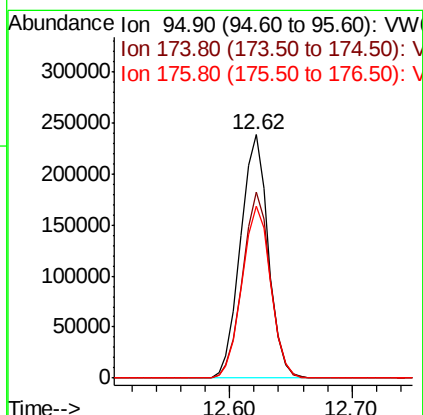
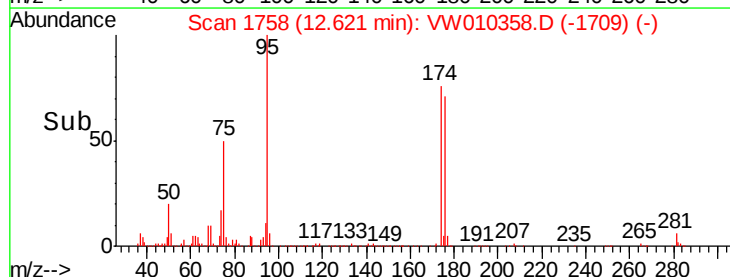
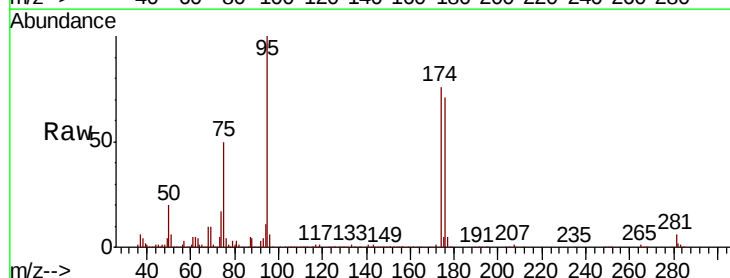
Tgt Ion: 95 Resp: 375378

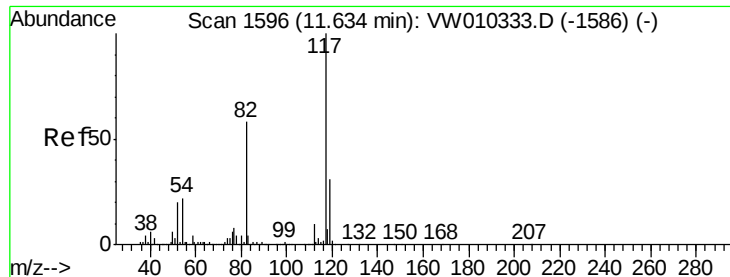
Ion Ratio Lower Upper

95 100

174 76.7 0.0 151.4

176 73.0 0.0 146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010358.D

Acq: 10 May 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

P026-SS003-0002-01

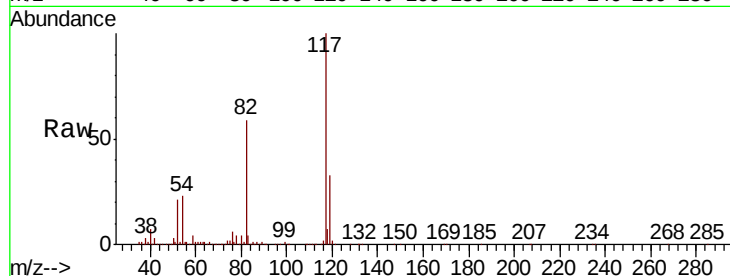
Tgt Ion:117 Resp: 1371896

Ion Ratio Lower Upper

117 100

82 59.0 45.2 67.8

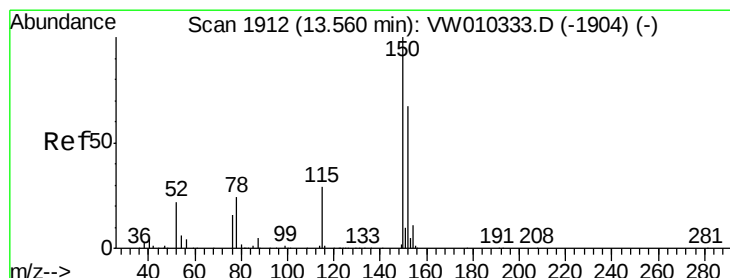
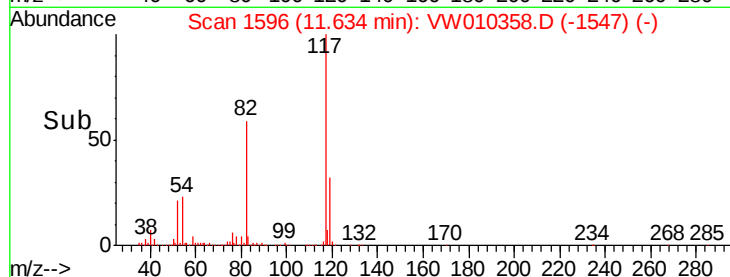
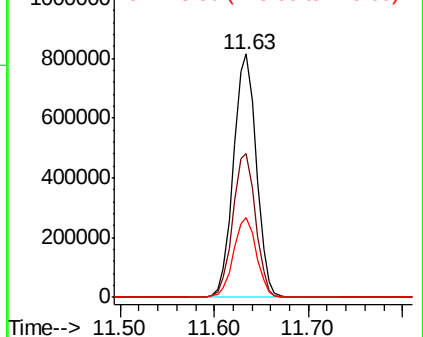
119 32.5 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): 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: VW010358.D

Acq: 10 May 2019 16:08

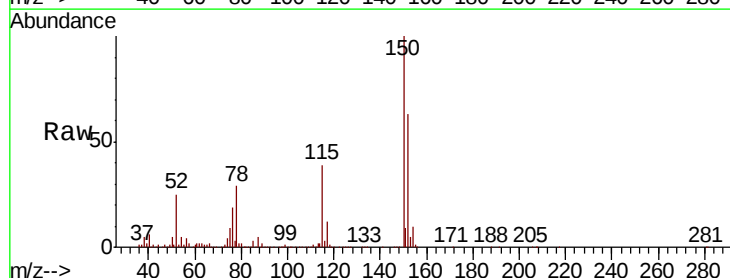
Tgt Ion:152 Resp: 404959

Ion Ratio Lower Upper

152 100

115 60.8 30.4 91.2

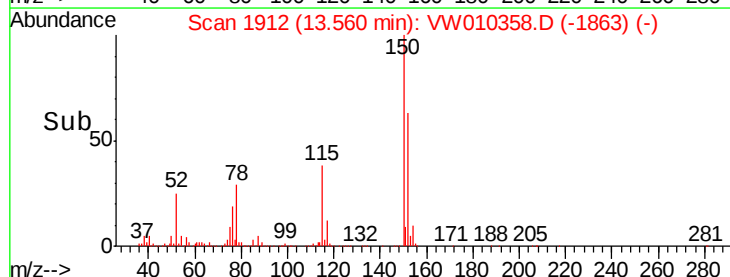
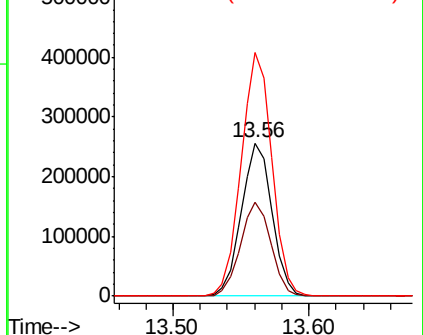
150 158.9 0.0 347.0

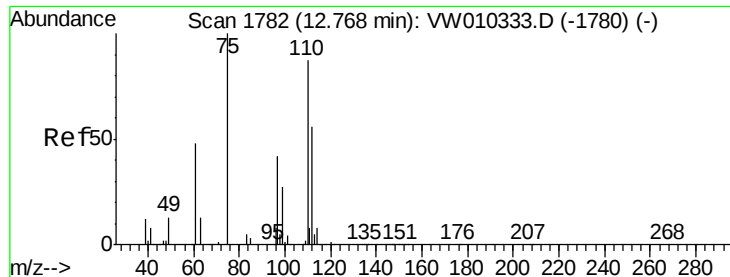


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 40.255 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010358.D

Acq: 10 May 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

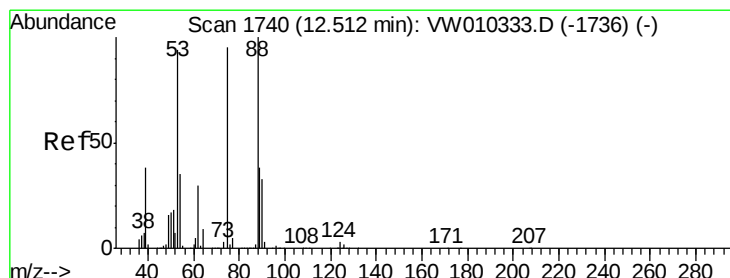
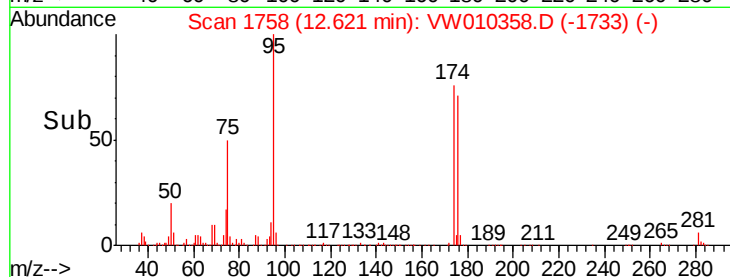
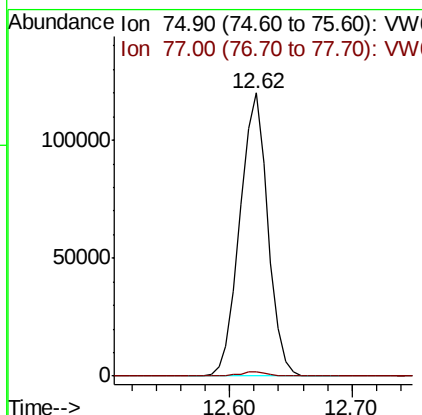
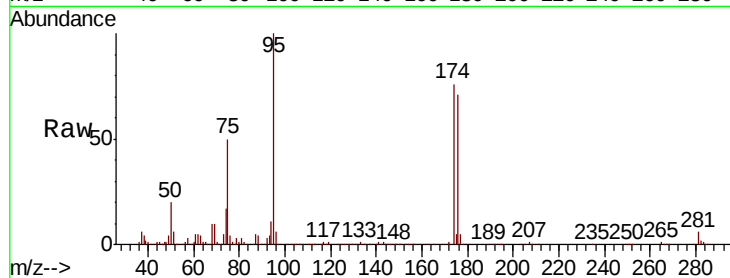
P026-SS003-0002-01

Tgt Ion: 75 Resp: 190062

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.907 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010358.D

Acq: 10 May 2019 16:08

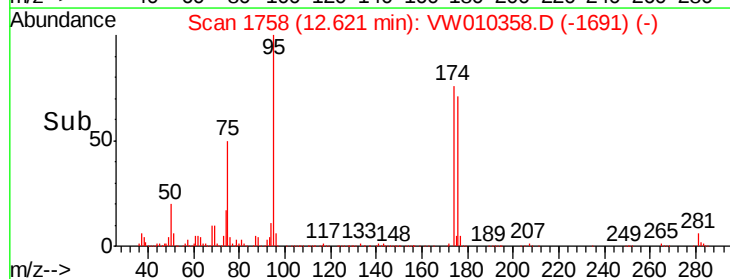
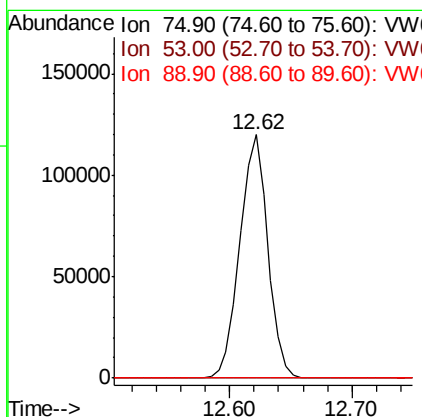
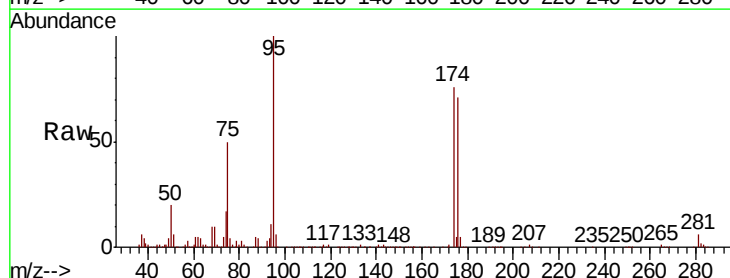
Tgt Ion: 75 Resp: 190062

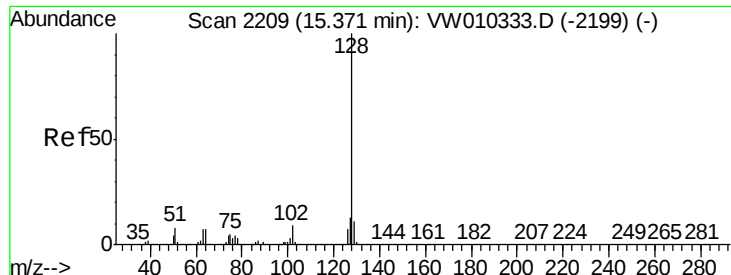
Ion Ratio Lower Upper

75 100

53 0.3 89.8 134.8#

89 0.2 36.6 54.8#





#95

Naphthalene

Concen: 3.746 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW010358.D

Acq: 10 May 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

P026-SS003-0002-01

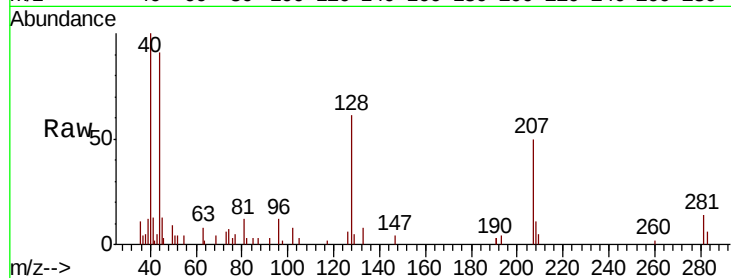
Tgt Ion:128 Resp: 3011

Ion Ratio Lower Upper

128 100

127 7.2 10.6 15.8#

129 8.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

