

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
 Data File : VW010365.D
 Acq On : 10 May 2019 19:27
 Operator : SY/VA
 Sample : K2718-08
 Misc : 4.69G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS006-0002-01

Quant Time: May 10 23:20:18 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	248427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	354890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	195496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	27845	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	137905	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
35) Dibromofluoromethane	7.88	113	120841	58.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.38%	
50) Toluene-d8	10.32	98	279452	33.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.10%	
62) 4-Bromofluorobenzene	12.62	95	37964	12.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	25.50%	

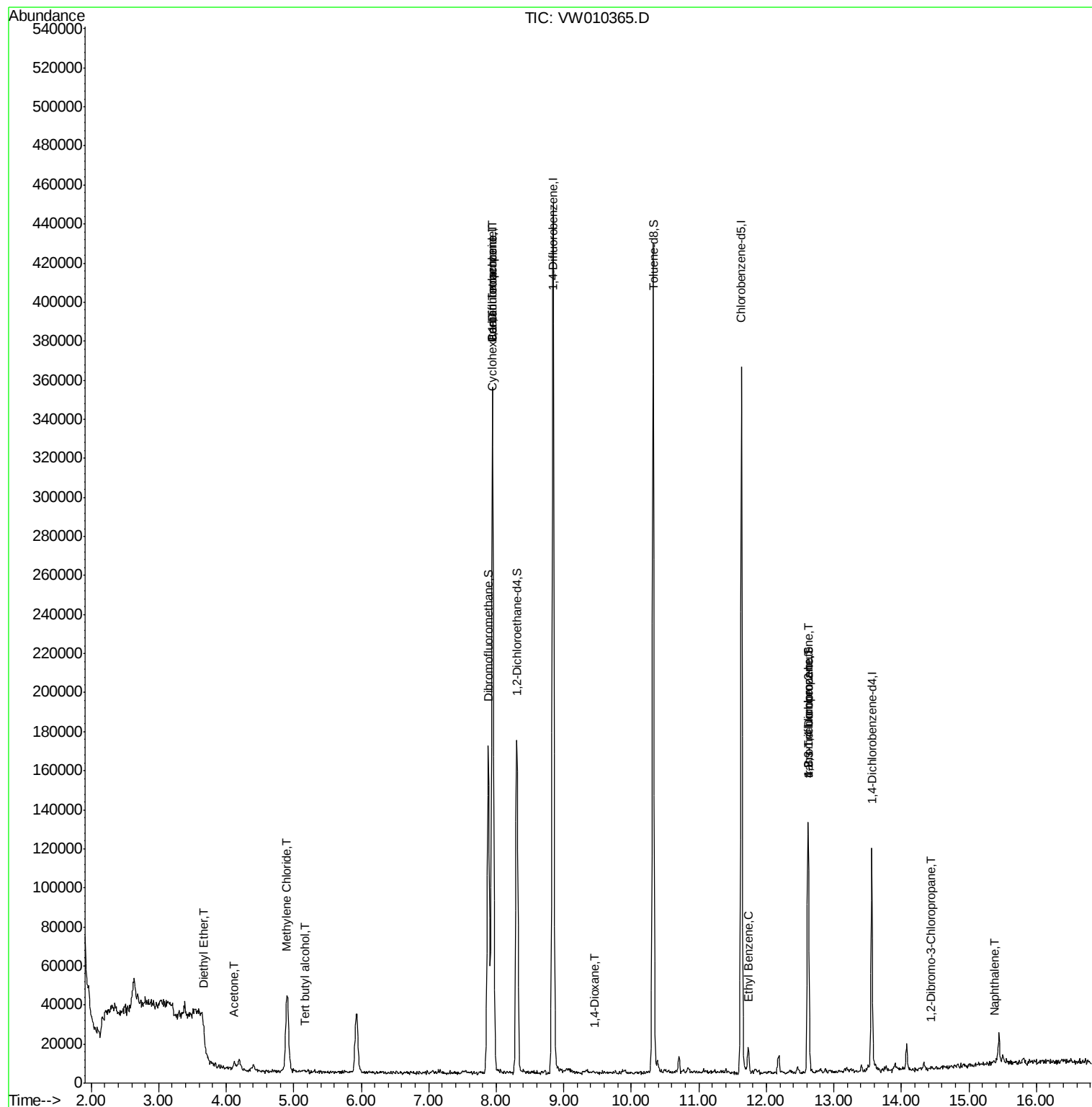
Target Compounds						Qvalue
8) Diethyl Ether	3.68	74	3383	2.432	ug/l	75
11) Tert butyl alcohol	5.18	59	270	1.448	ug/l	96
16) Acetone	4.12	43	6768	9.830	ug/l #	80
20) Methylene Chloride	4.90	84	28677	9.986	ug/l	84
31) Cyclohexane	7.93	56	6639	1.227	ug/l #	53
36) 1,1-Dichloropropene	7.95	75	21543	5.599	ug/l #	46
38) Carbon Tetrachloride	7.95	117	24404	7.398	ug/l #	18
49) 1,4-Dioxane	9.46	88	35	1.483	ug/l #	19
67) Ethyl Benzene	11.73	91	8353	1.122	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	19858	61.168	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	19858	138.135	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.44	75	97	1.205	ug/l #	7
95) Naphthalene	15.38	128	1591	4.763	ug/l #	78

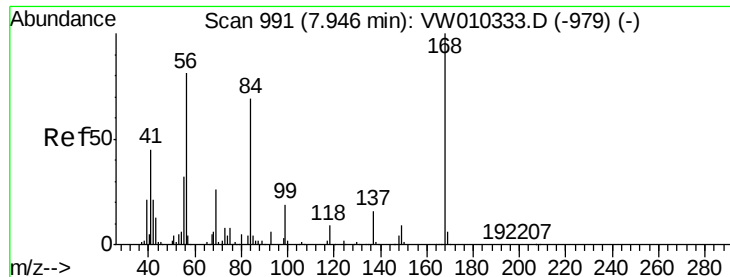
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010365.D

Acq: 10 May 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

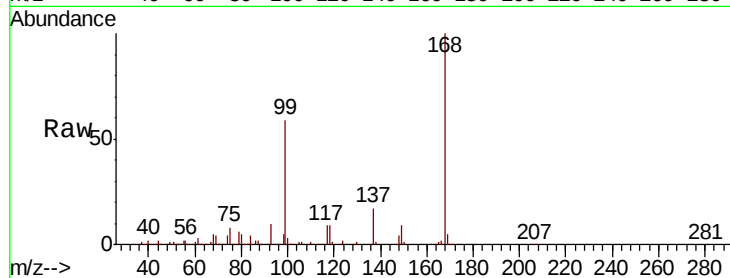
P026-SS006-0002-01

Tgt Ion:168 Resp: 248427

Ion Ratio Lower Upper

168 100

99 59.1 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

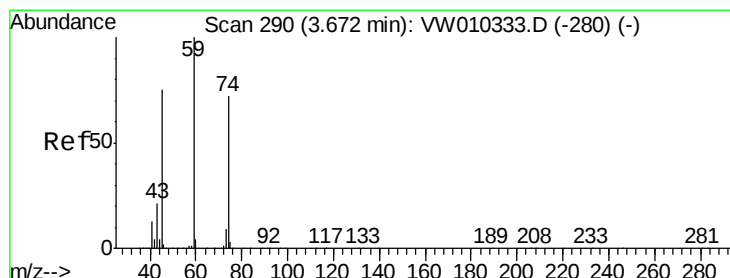
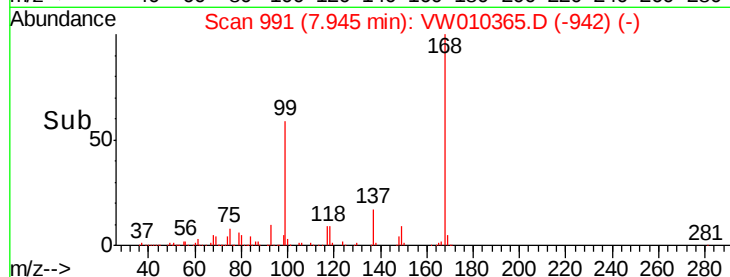
7.95

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.432 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VW010365.D

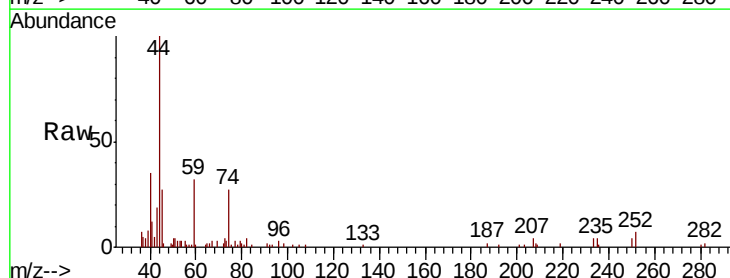
Acq: 10 May 2019 19:27

Tgt Ion: 74 Resp: 3383

Ion Ratio Lower Upper

74 100

45 139.0 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

2000

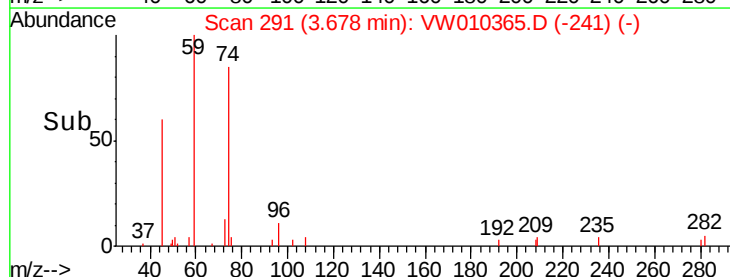
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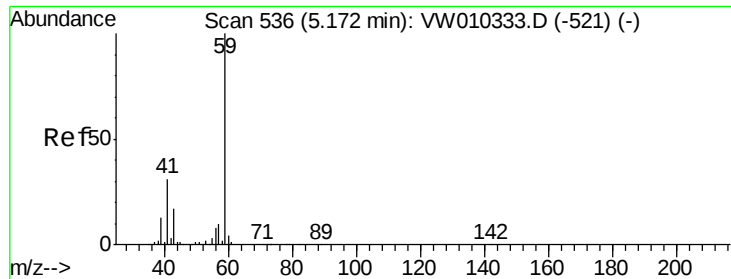
1000

500

0

Time-->

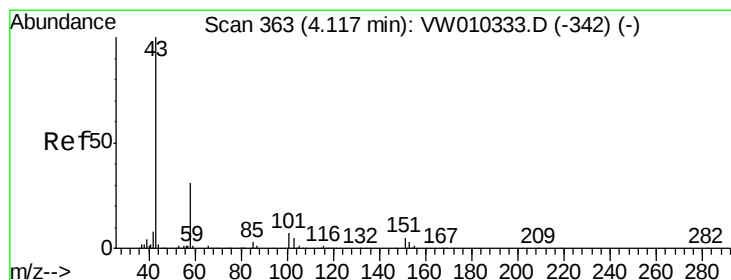
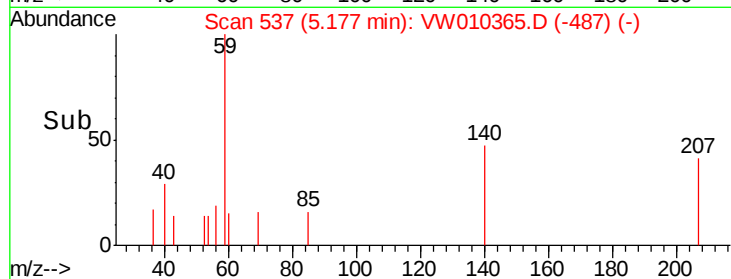
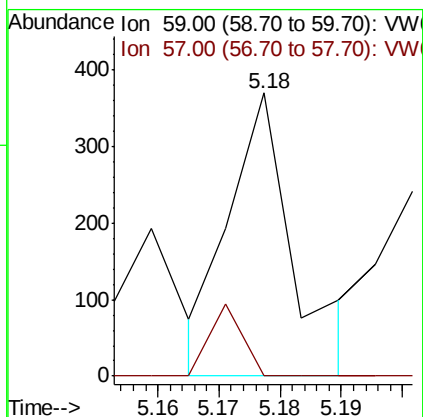
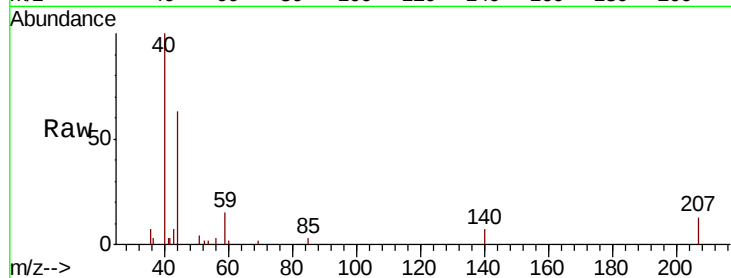




#11
Tert butyl alcohol
Concen: 1.448 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010365.D
Acq: 10 May 2019 19:27

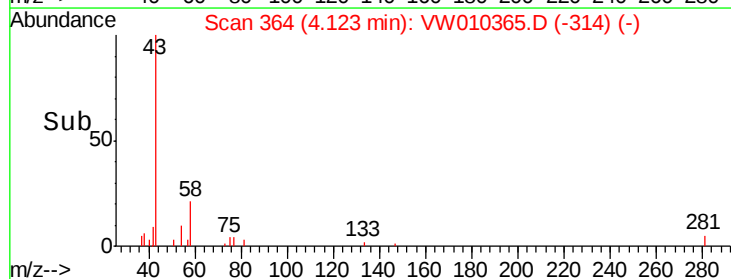
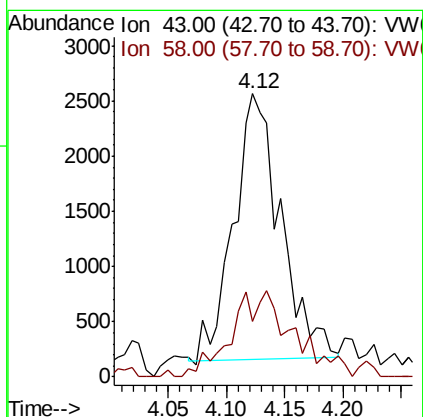
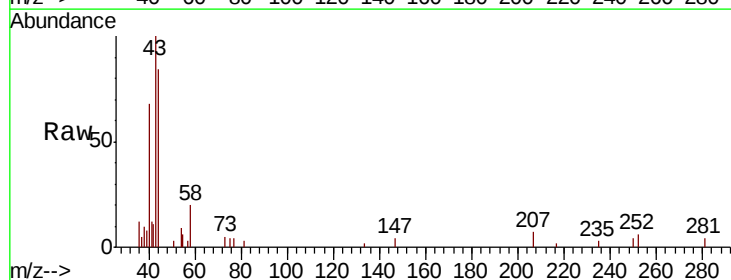
Instrument :
MSVOA_W
ClientSampleId :
P026-SS006-0002-01

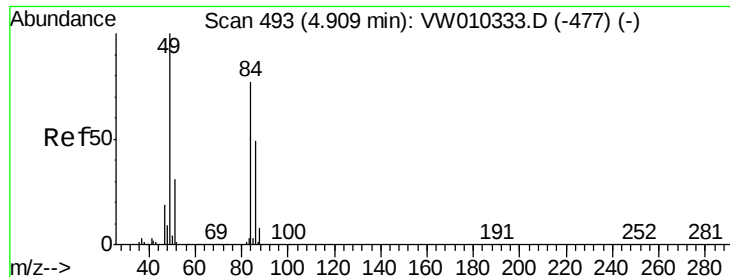
Tgt Ion: 59 Resp: 270
Ion Ratio Lower Upper
59 100
57 12.6 9.0 13.4



#16
Acetone
Concen: 9.830 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW010365.D
Acq: 10 May 2019 19:27

Tgt Ion: 43 Resp: 6768
Ion Ratio Lower Upper
43 100
58 17.9 22.7 34.1#

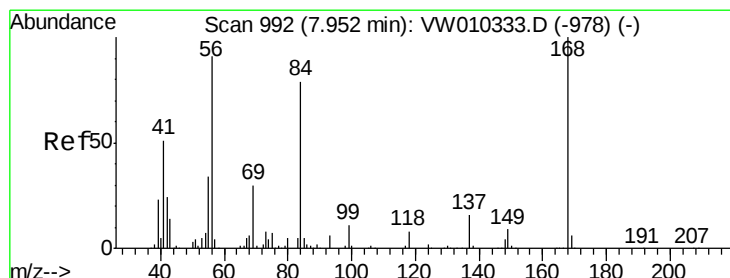
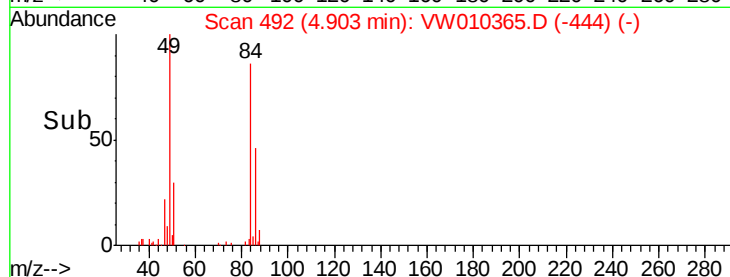
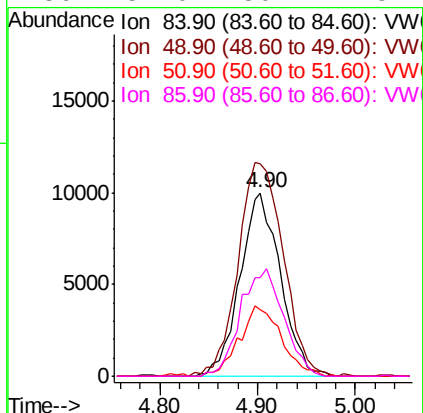
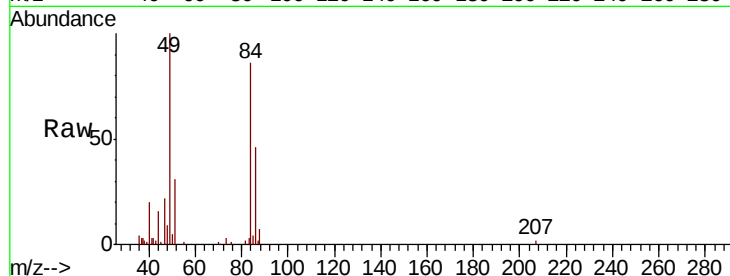




#20
Methylene Chloride
Concen: 9.986 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW010365.D
Acq: 10 May 2019 19:27

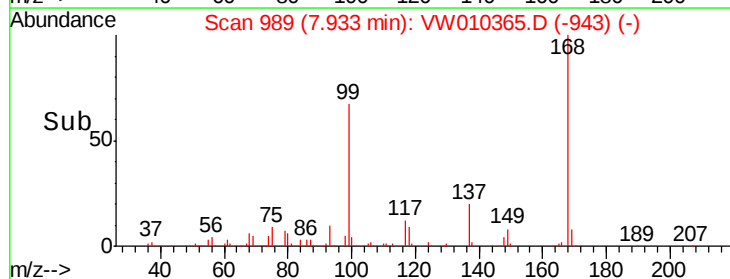
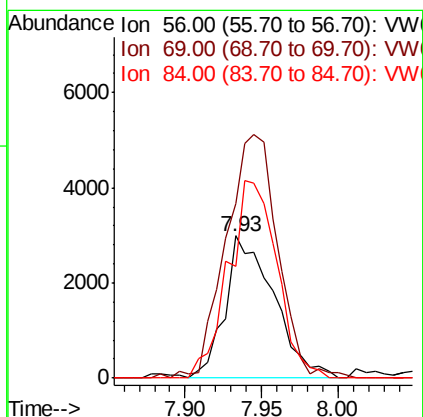
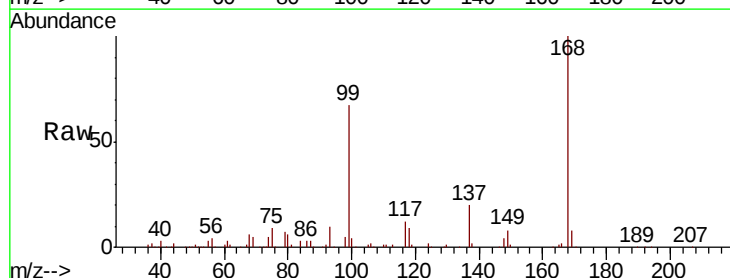
Instrument :
MSVOA_W
ClientSampleId :
P026-SS006-0002-01

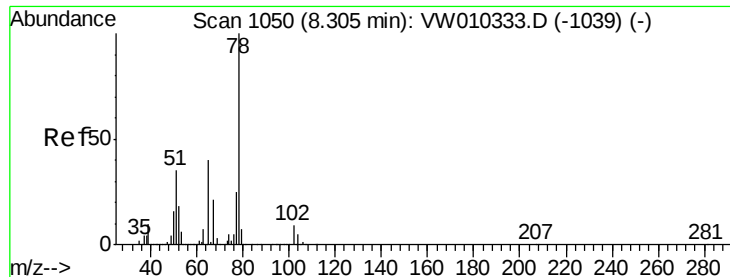
Tgt Ion:	84	Resp:	28677
Ion	Ratio	Lower	Upper
84	100		
49	116.2	112.3	168.5
51	36.2	33.9	50.9
86	54.0	50.2	75.4



#31
Cyclohexane
Concen: 1.227 ug/l
RT: 7.93 min Scan# 989
Delta R.T. -0.02 min
Lab File: VW010365.D
Acq: 10 May 2019 19:27

Tgt Ion:	56	Resp:	6639
Ion	Ratio	Lower	Upper
56	100		
69	120.3	26.6	40.0#
84	78.8	66.2	99.2

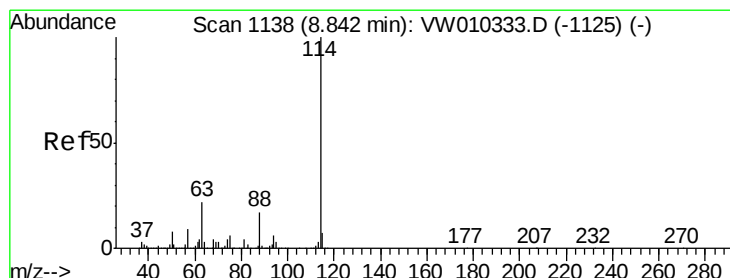
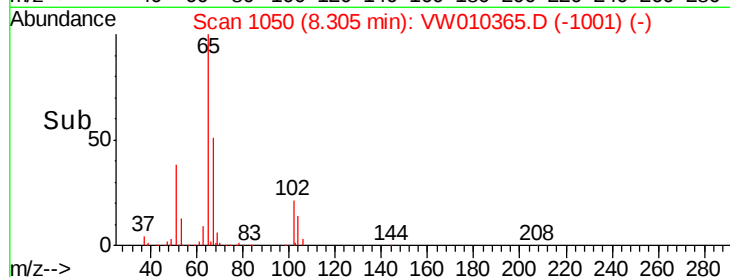
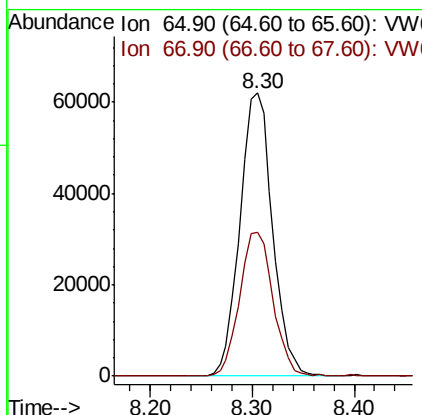
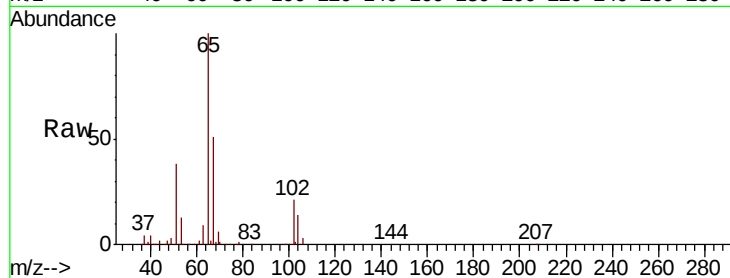




#33
 1,2-Dichloroethane-d4
 Concen: 52.215 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010365.D
 Acq: 10 May 2019 19:27

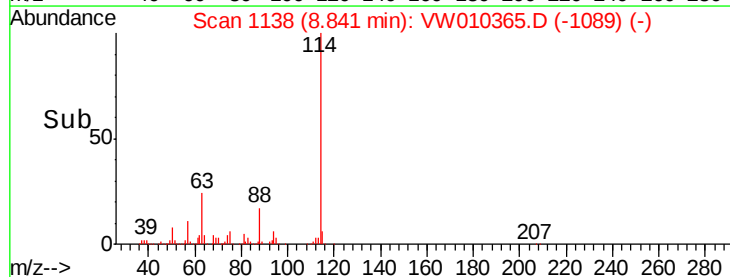
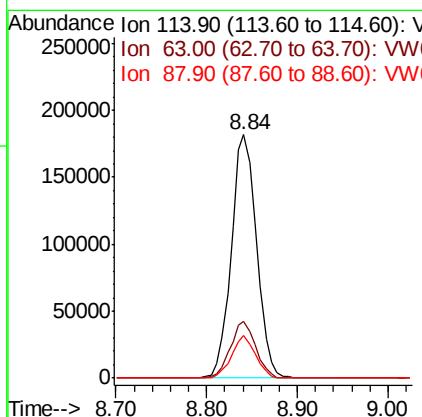
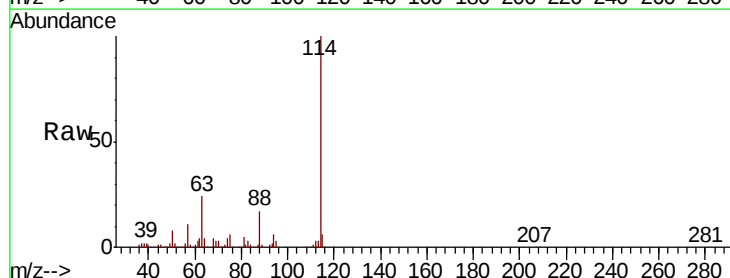
Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS006-0002-01

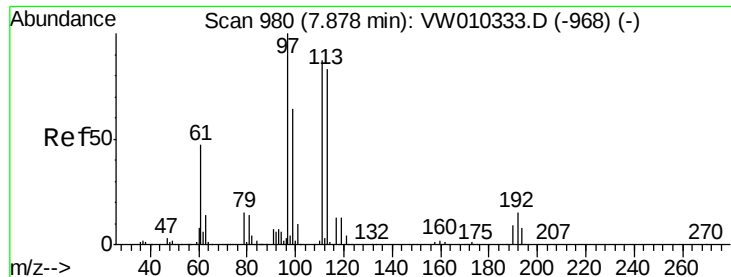
Tgt Ion: 65 Resp: 137905
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010365.D
 Acq: 10 May 2019 19:27

Tgt Ion: 114 Resp: 354890
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 46.2
 88 17.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 58.187 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW010365.D

Acq: 10 May 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0002-01

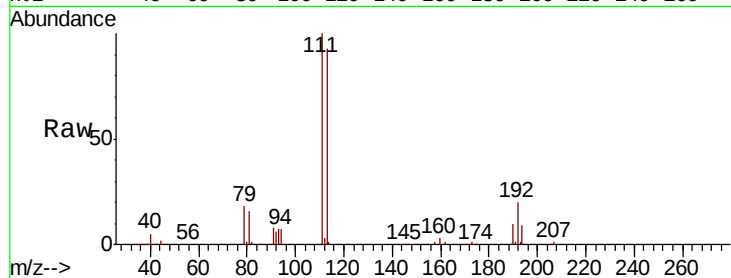
Tgt Ion:113 Resp: 120841

Ion Ratio Lower Upper

113 100

111 104.0 82.6 123.8

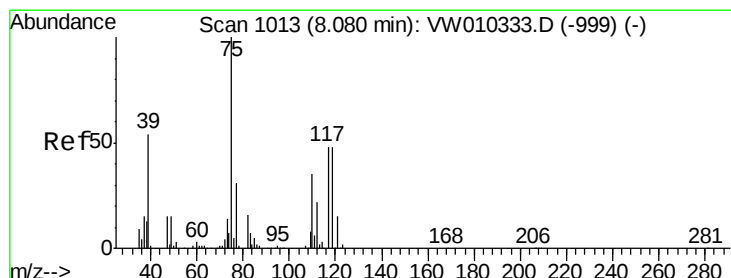
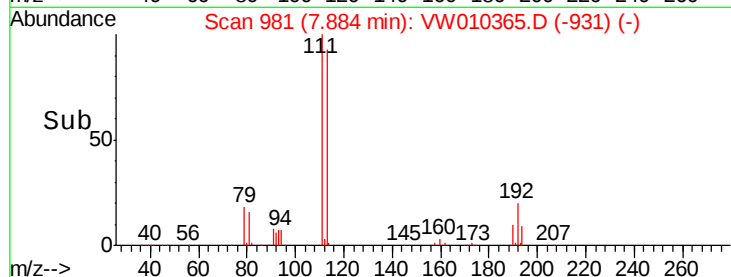
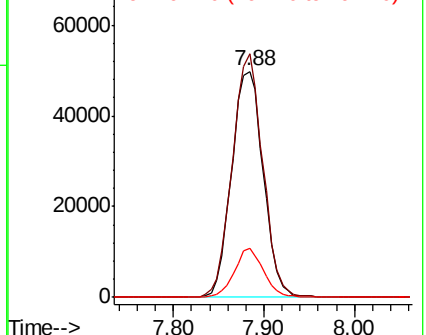
192 19.7 15.4 23.2



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: 5.599 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010365.D

Acq: 10 May 2019 19:27

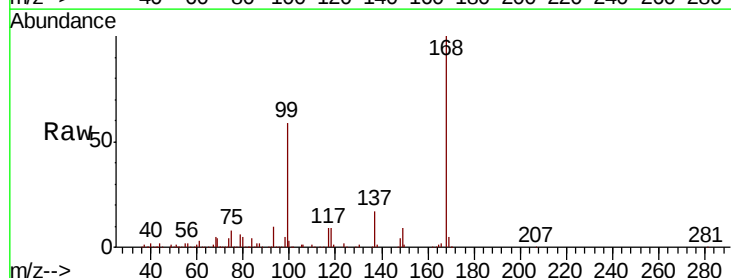
Tgt Ion: 75 Resp: 21543

Ion Ratio Lower Upper

75 100

110 3.1 16.6 49.8#

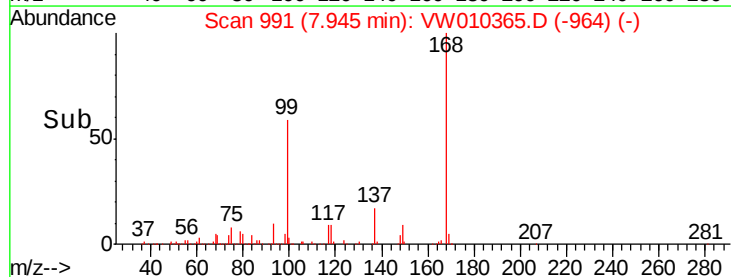
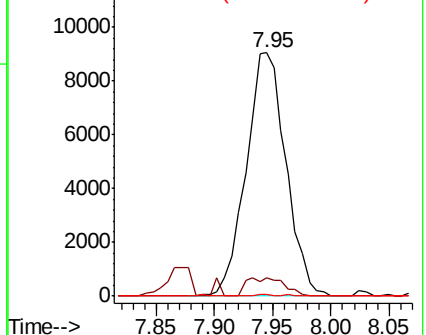
77 0.3 24.8 37.2#

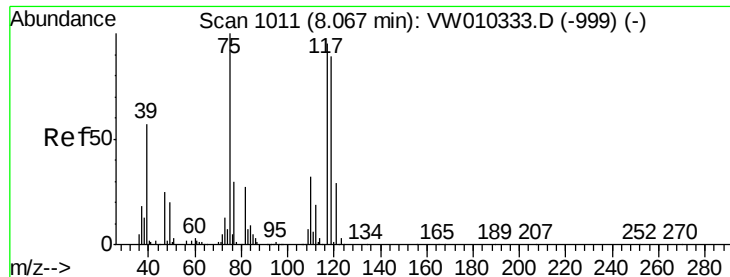


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.398 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010365.D

Acq: 10 May 2019 19:27

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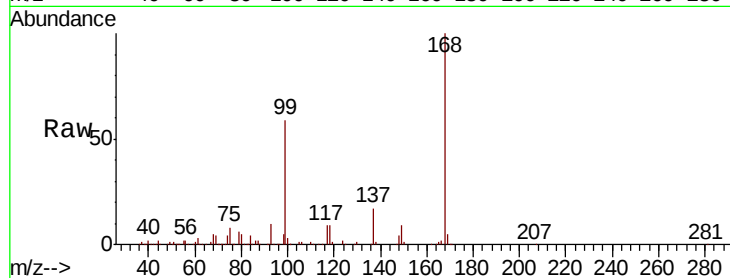
Tgt Ion: 117 Resp: 24404

Ion Ratio Lower Upper

117 100

119 7.3 75.3 112.9#

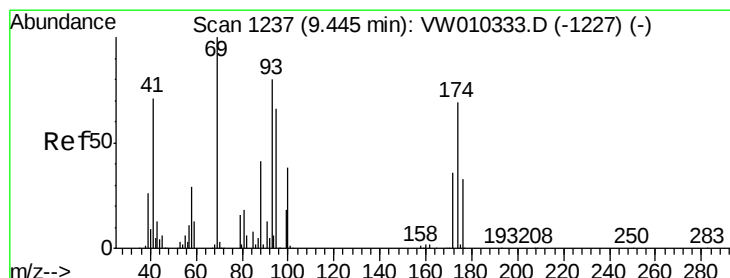
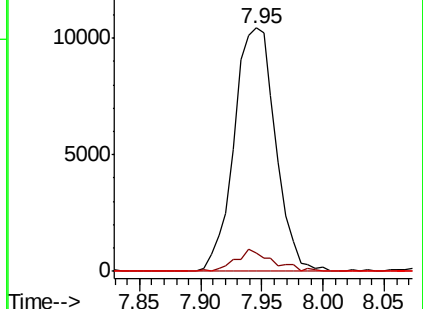
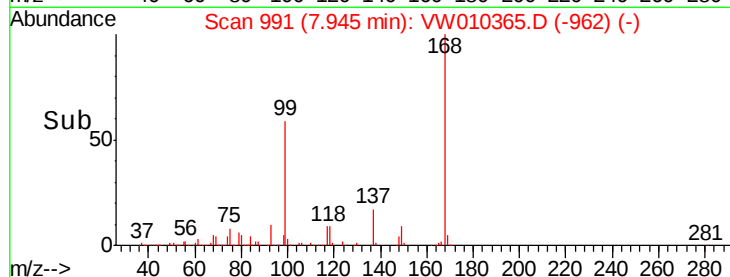
121 0.0 24.4 36.6#



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: 1.483 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW010365.D

Acq: 10 May 2019 19:27

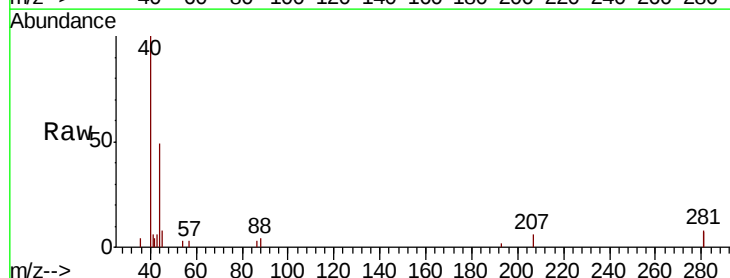
Tgt Ion: 88 Resp: 35

Ion Ratio Lower Upper

88 100

43 0.0 31.9 47.9#

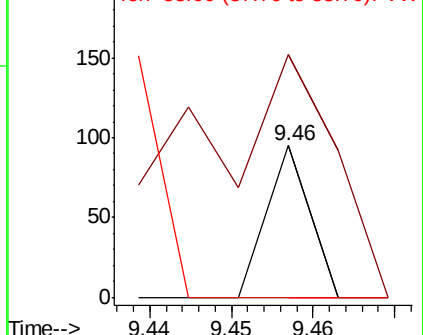
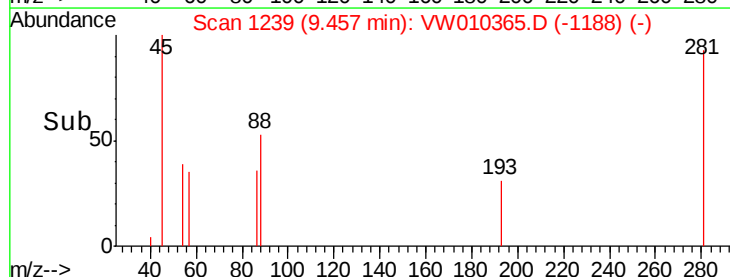
58 0.0 61.8 92.6#

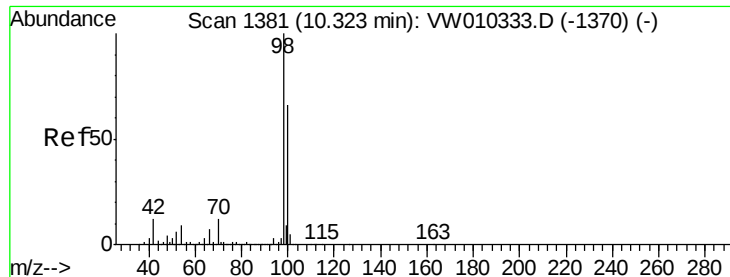


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 33.045 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010365.D

Acq: 10 May 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

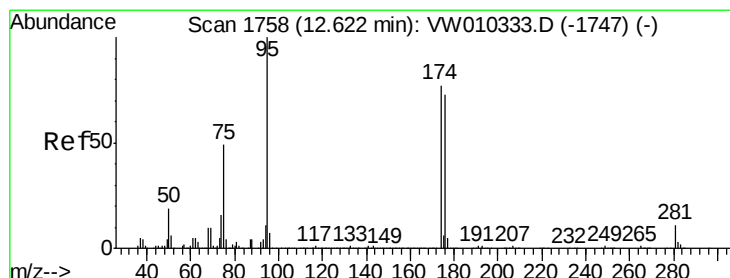
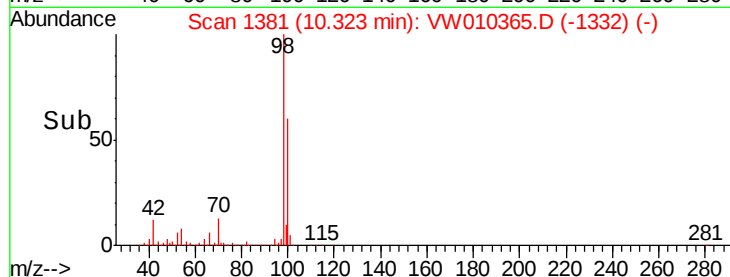
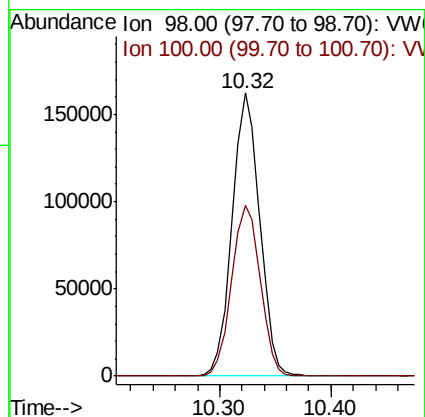
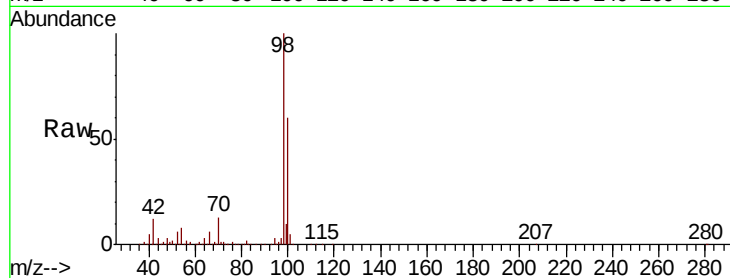
P026-SS006-0002-01

Tgt Ion: 98 Resp: 279452

Ion Ratio Lower Upper

98 100

100 62.6 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 12.753 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010365.D

Acq: 10 May 2019 19:27

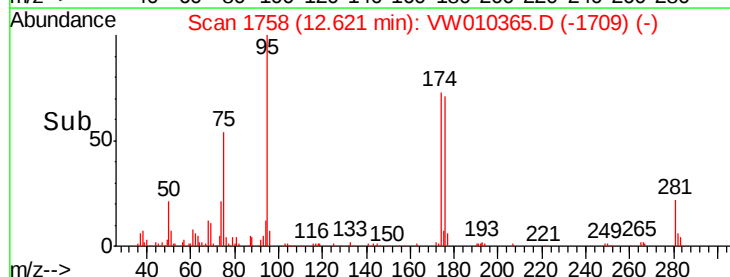
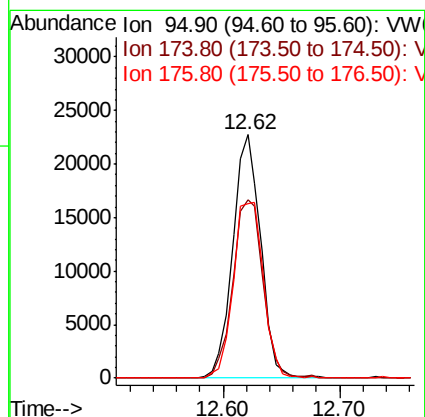
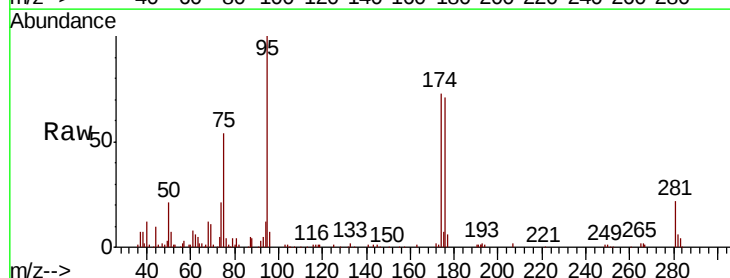
Tgt Ion: 95 Resp: 37964

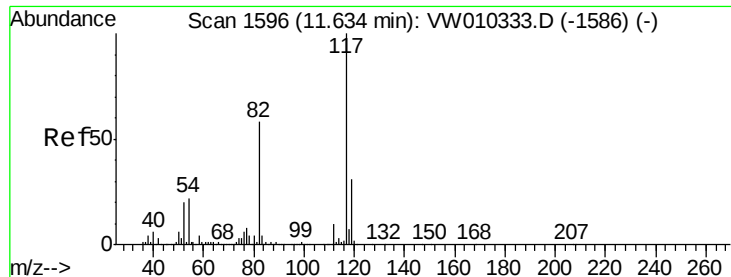
Ion Ratio Lower Upper

95 100

174 79.2 0.0 151.4

176 78.3 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: VW010365.D

Acq: 10 May 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0002-01

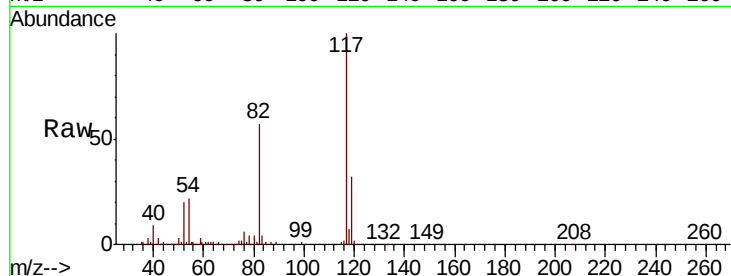
Tgt Ion:117 Resp: 195496

Ion Ratio Lower Upper

117 100

82 56.8 45.2 67.8

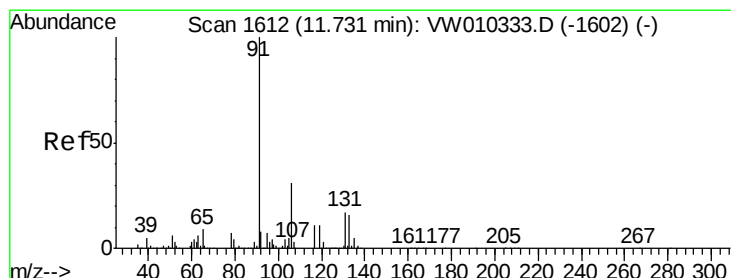
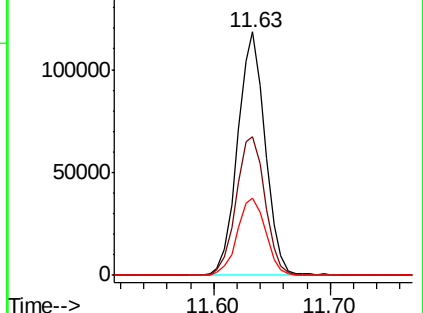
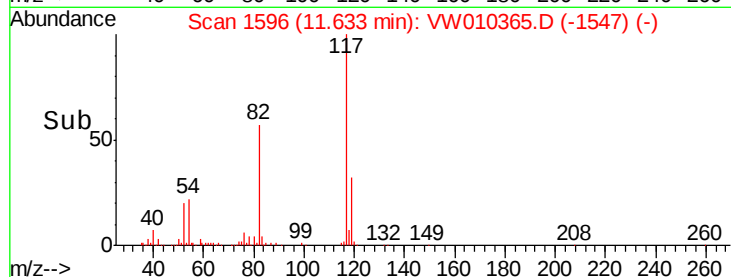
119 31.9 25.4 38.2



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



#67

Ethyl Benzene

Concen: 1.122 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010365.D

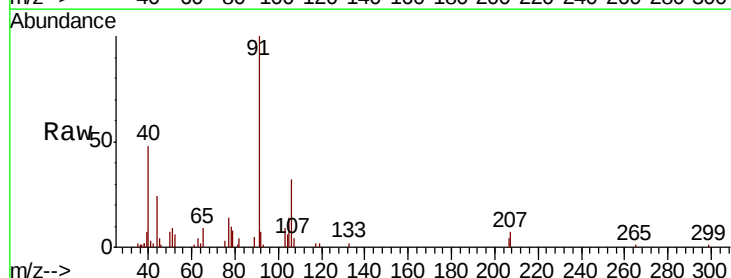
Acq: 10 May 2019 19:27

Tgt Ion: 91 Resp: 8353

Ion Ratio Lower Upper

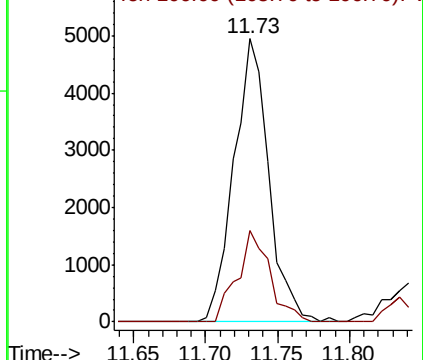
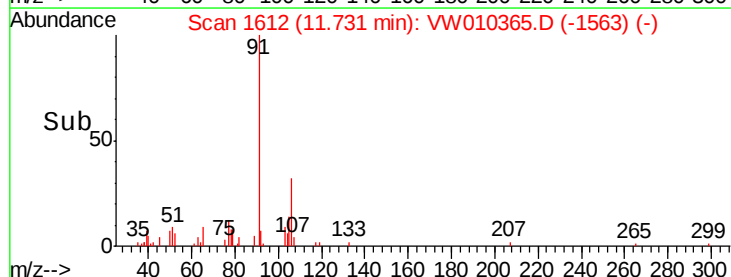
91 100

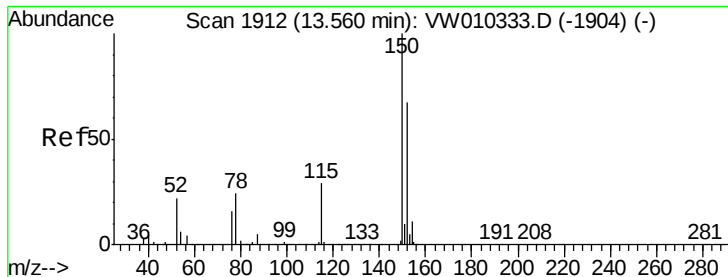
106 32.3 23.8 35.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): 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: VW010365.D

Acq: 10 May 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0002-01

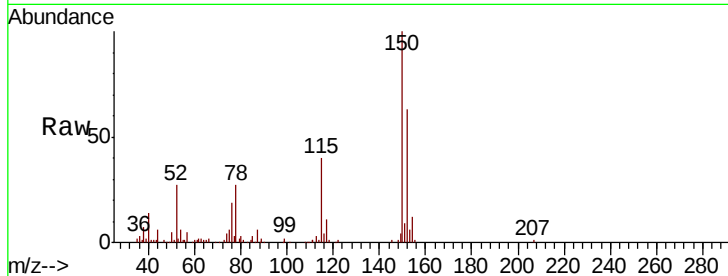
Tgt Ion:152 Resp: 27845

Ion Ratio Lower Upper

152 100

115 63.5 30.4 91.2

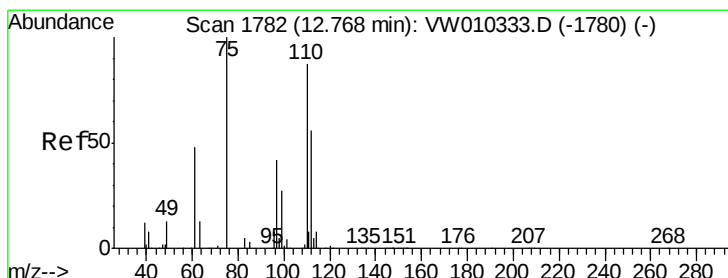
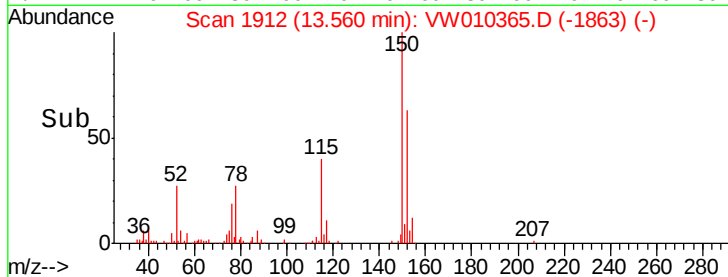
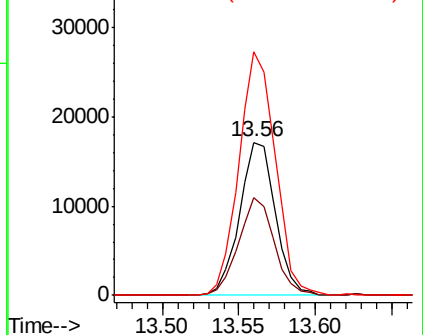
150 162.0 0.0 347.0



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: 61.168 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010365.D

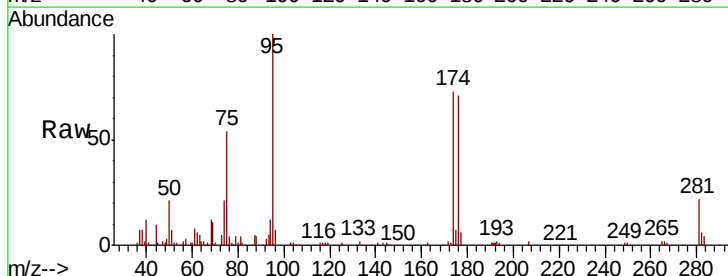
Acq: 10 May 2019 19:27

Tgt Ion: 75 Resp: 19858

Ion Ratio Lower Upper

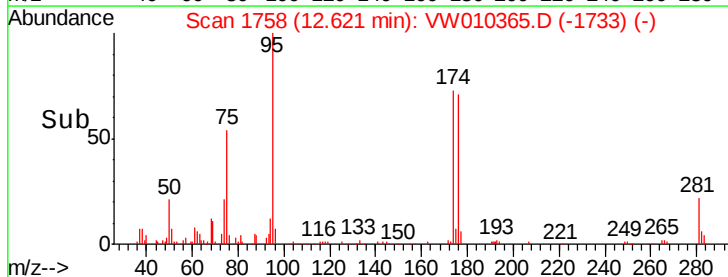
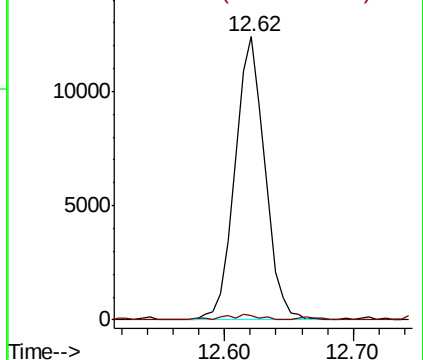
75 100

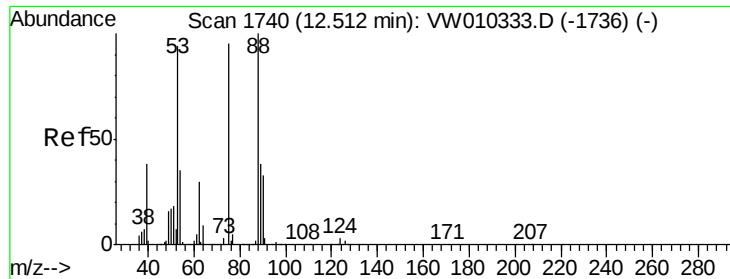
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 138.135 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010365.D

Acq: 10 May 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0002-01

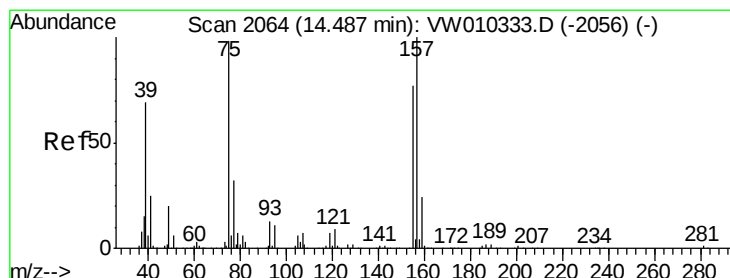
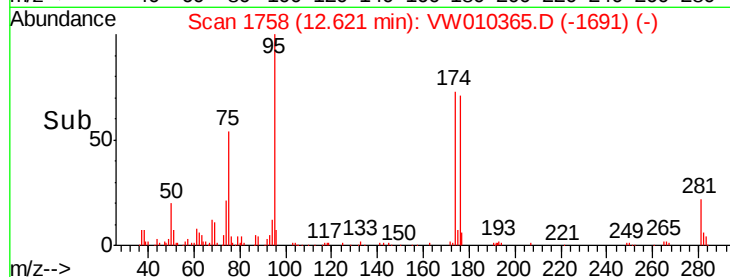
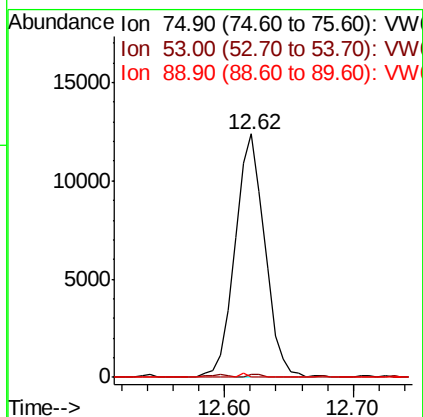
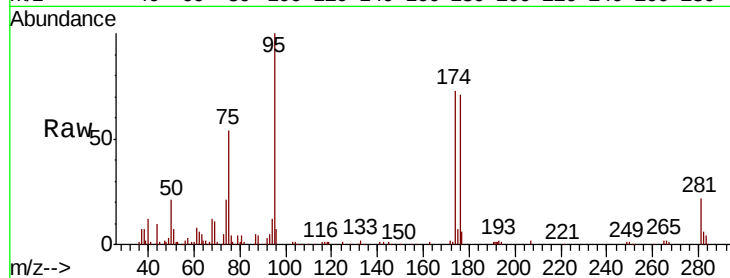
Tgt Ion: 75 Resp: 19858

Ion Ratio Lower Upper

75 100

53 0.6 89.8 134.8#

89 0.3 36.6 54.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.205 ug/l

RT: 14.44 min Scan# 2056

Delta R.T. -0.05 min

Lab File: VW010365.D

Acq: 10 May 2019 19:27

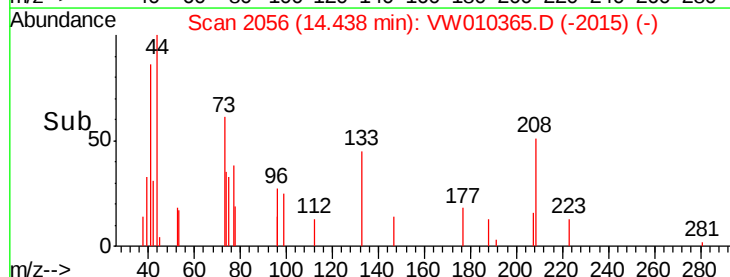
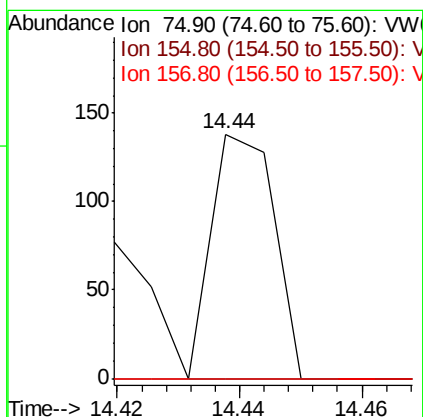
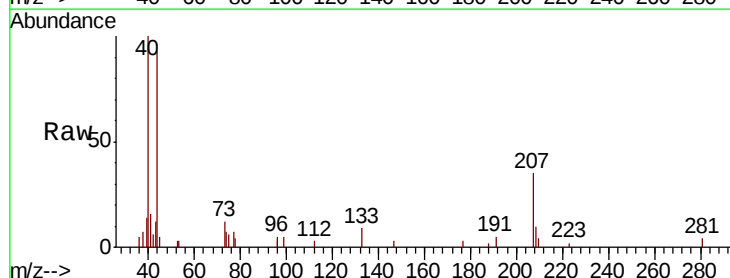
Tgt Ion: 75 Resp: 97

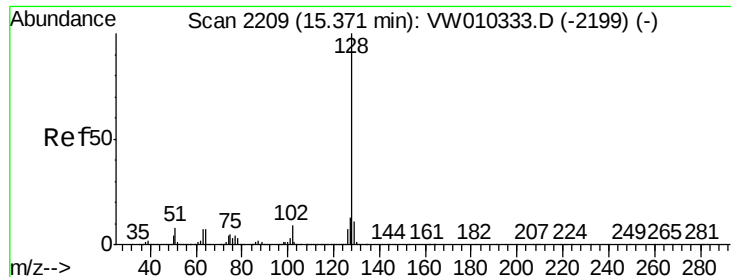
Ion Ratio Lower Upper

75 100

155 0.0 37.1 111.5#

157 0.0 47.3 141.9#





#95

Naphthalene

Concen: 4.763 ug/l

RT: 15.38 min Scan# 2211

Delta R.T. 0.01 min

Lab File: VW010365.D

Acq: 10 May 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0002-01

Tgt Ion:128 Resp: 1591

Ion Ratio Lower Upper

128 100

127 3.1 10.6 15.8#

129 3.7 8.7 13.1#

