

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010345.D
 Acq On : 09 May 2019 19:11
 Operator : SY/VA
 Sample : K2718-03
 Misc : 5.07G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 10 02:24:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:55:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	140304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	212391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	189411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	70579	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	106191	71.19	ug/l	0.00
Spiked Amount			Recovery	=	142.38%	
35) Dibromofluoromethane	7.88	113	84311	67.83	ug/l	0.00
Spiked Amount			Recovery	=	135.66%	
50) Toluene-d8	10.32	98	264466	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
62) 4-Bromofluorobenzene	12.62	95	73714	41.38	ug/l	0.00
Spiked Amount			Recovery	=	82.76%	

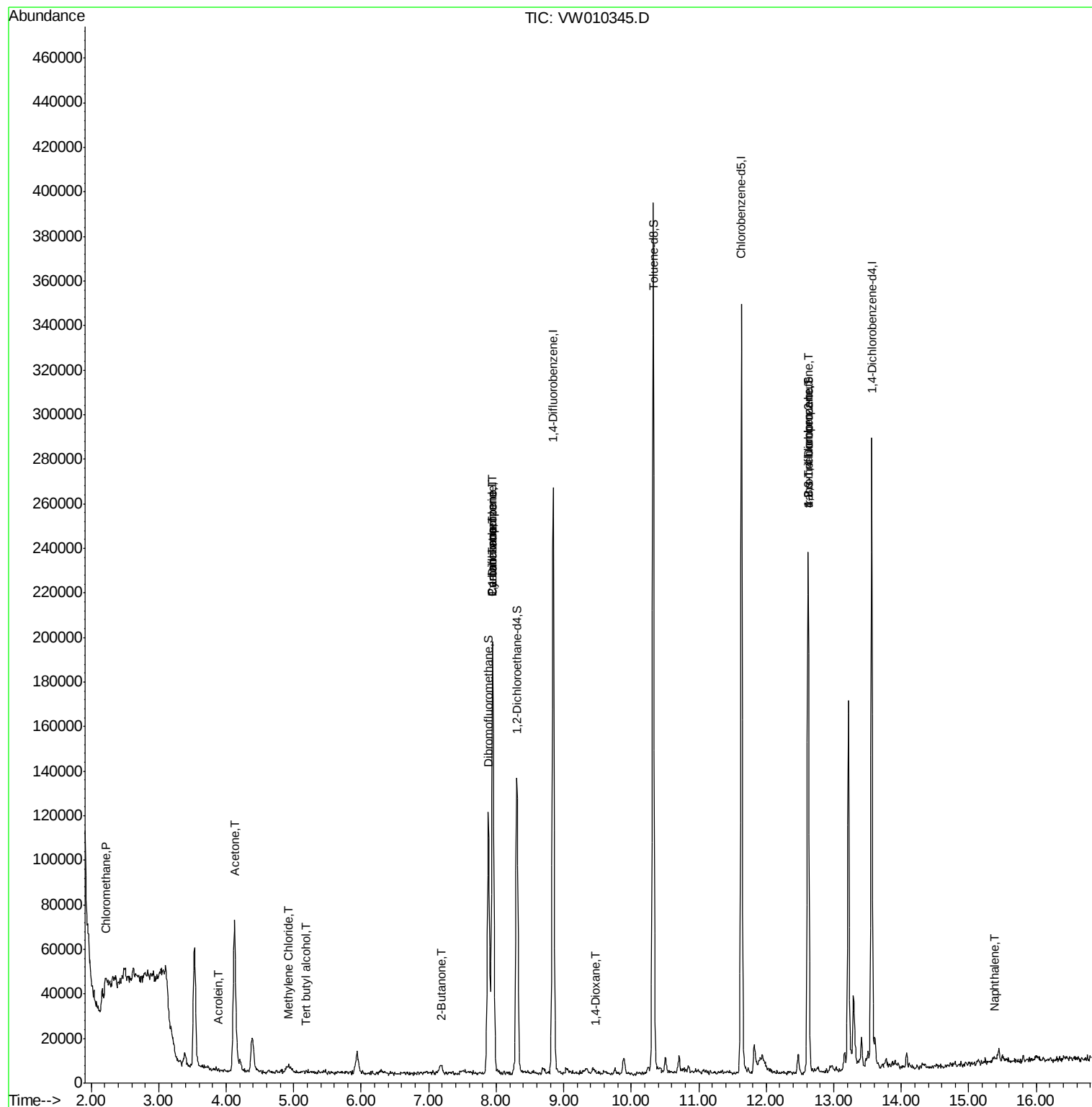
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	2827	1.968	ug/l #	84
11) Tert butyl alcohol	5.18	59	262	2.487	ug/l #	71
13) Acrolein	3.88	56	234	1.683	ug/l #	16
16) Acetone	4.12	43	120446	309.745	ug/l	95
20) Methylene Chloride	4.92	84	1896	1.169	ug/l #	64
25) 2-Butanone	7.18	43	7858	13.210	ug/l #	74
31) Cyclohexane	7.95	56	4229	1.384	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	13156	5.713	ug/l #	49
38) Carbon Tetrachloride	7.95	117	15358	7.780	ug/l #	17
49) 1,4-Dioxane	9.46	88	35	2.478	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	39049	47.453	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	39049	107.164	ug/l #	6
95) Naphthalene	15.38	128	1915	4.150	ug/l #	89

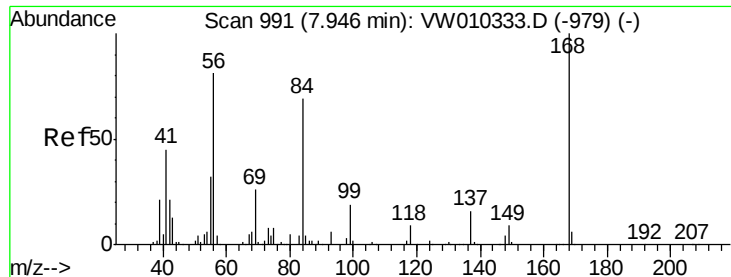
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010345.D

Acq: 09 May 2019 19:11

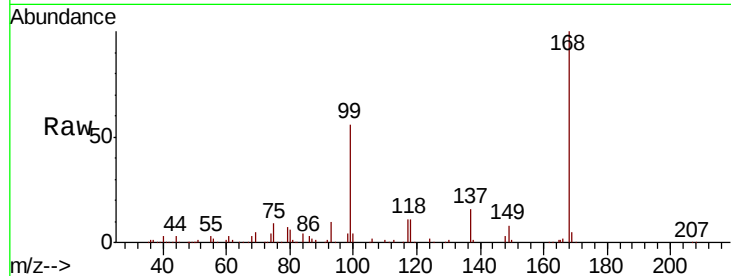
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 140304

Ion Ratio Lower Upper

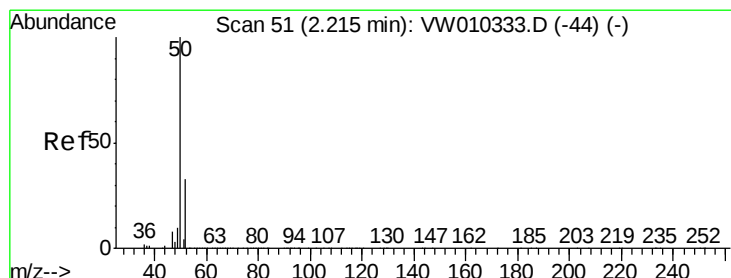
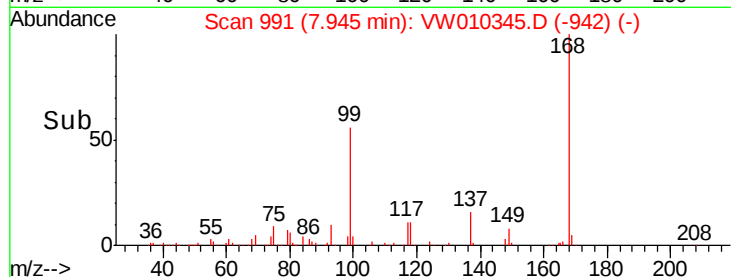
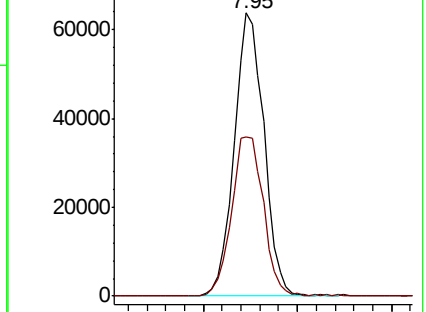
168 100

99 56.2 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 1.968 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010345.D

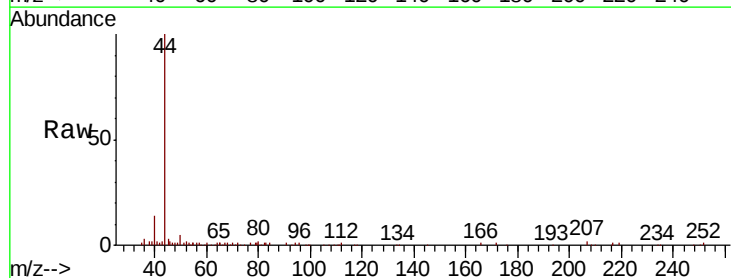
Acq: 09 May 2019 19:11

Tgt Ion: 50 Resp: 2827

Ion Ratio Lower Upper

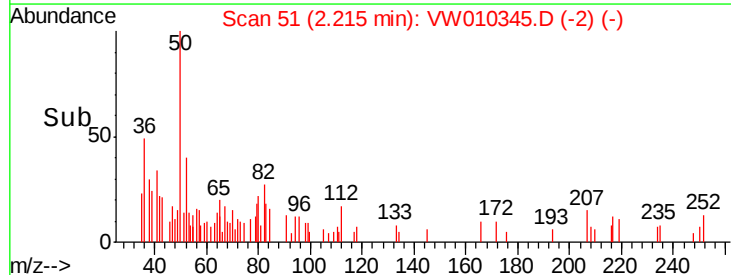
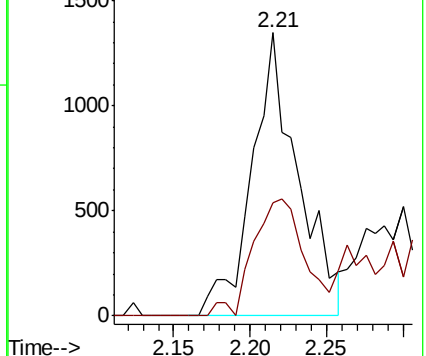
50 100

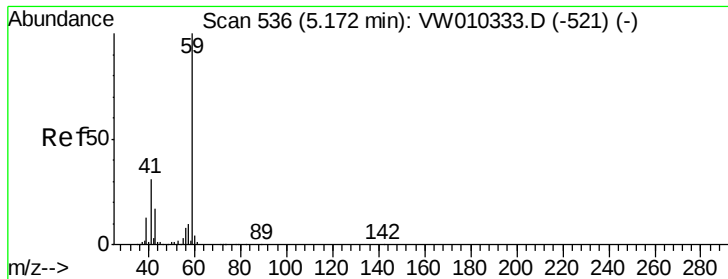
52 39.9 25.0 37.6#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



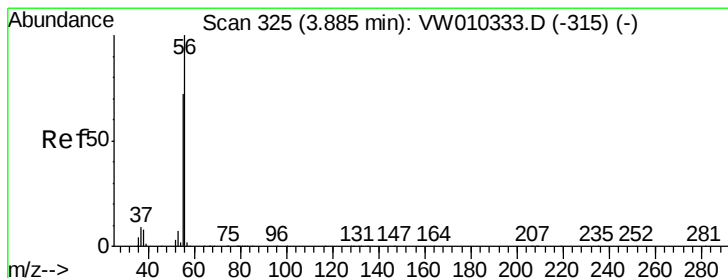
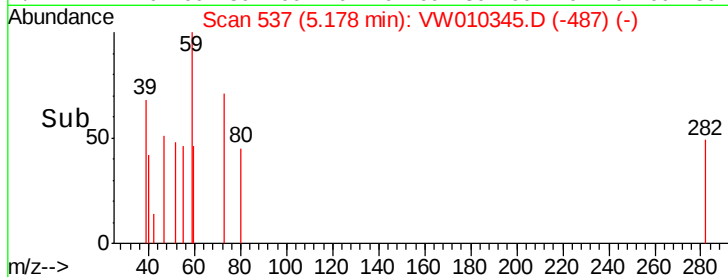
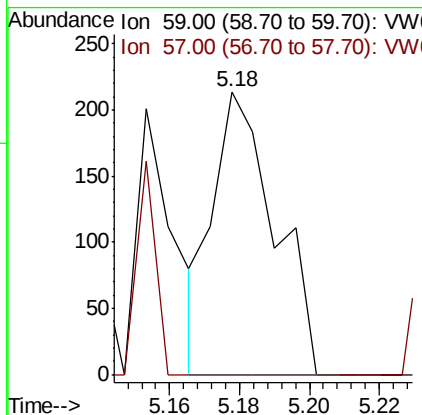
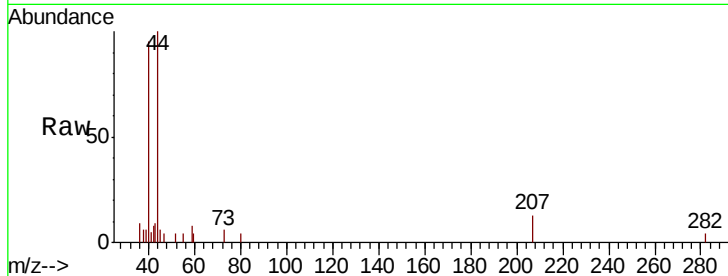


#11

Tert butyl alcohol
 Concen: 2.487 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW010345.D
 Acq: 09 May 2019 19:11

Instrument :
 MSVOA_W
 ClientSampled :

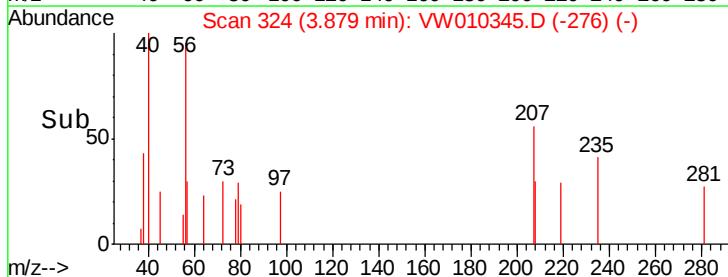
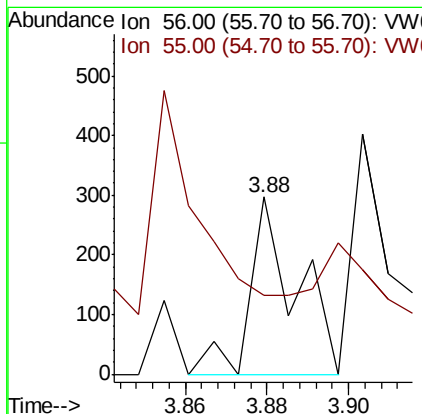
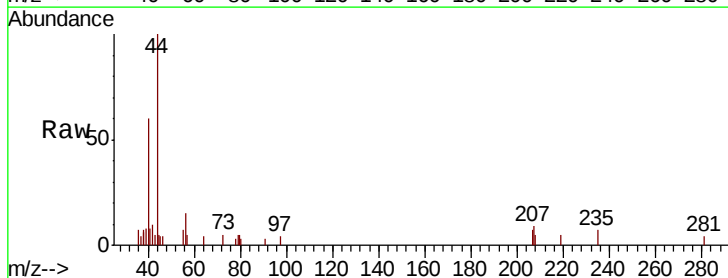
Tot Ion: 59 Resp: 262
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

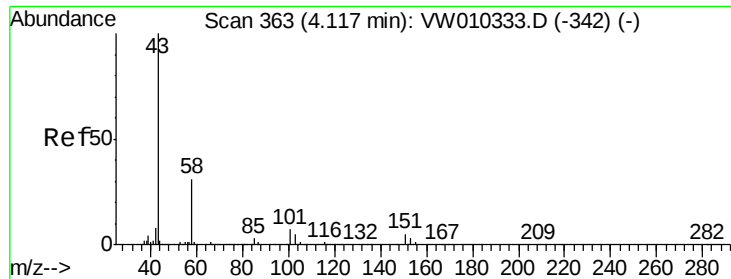


#13

Acrolein
 Concen: 1.683 ug/l
 RT: 3.88 min Scan# 324
 Delta R.T. -0.01 min
 Lab File: VW010345.D
 Acq: 09 May 2019 19:11

Tgt Ion: 56 Resp: 234
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.2 81.2#

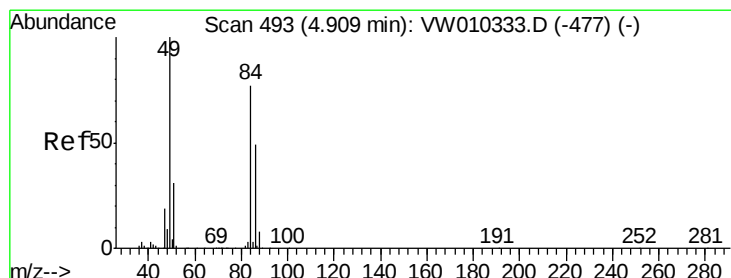
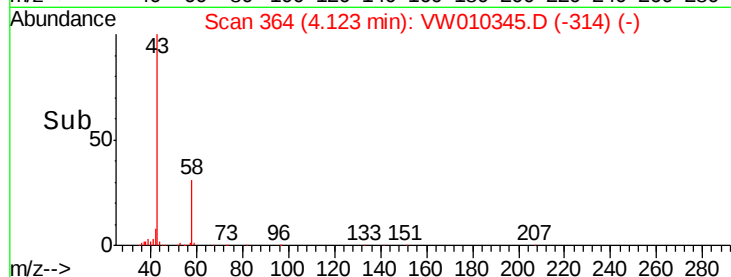
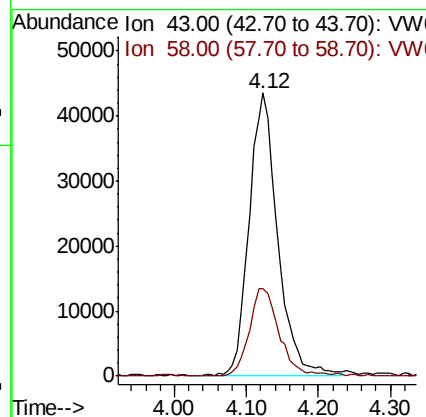
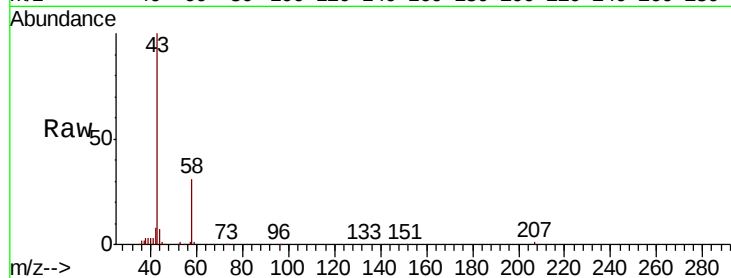




#16
Acetone
Concen: 309.745 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW010345.D
Acq: 09 May 2019 19:11

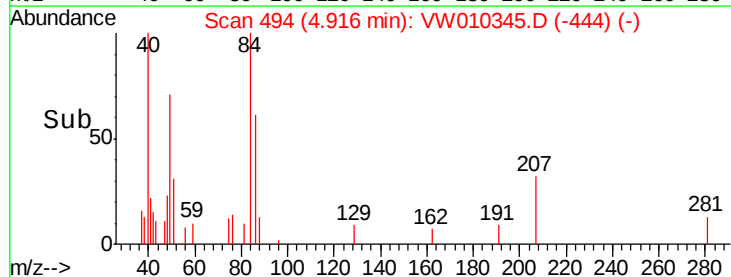
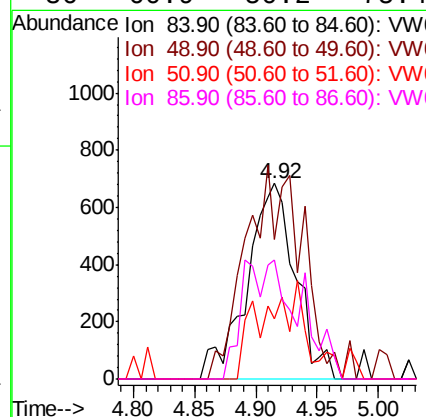
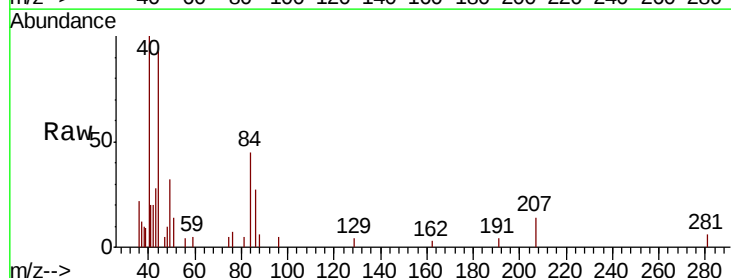
Instrument :
MSVOA_W
ClientSampleId :

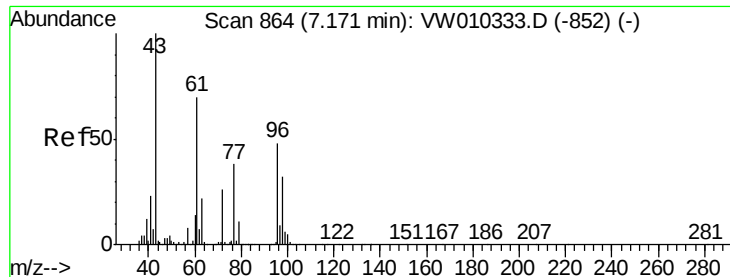
Tot Ion: 43 Resp: 120446
Ion Ratio Lower Upper
43 100
58 31.1 22.7 34.1



#20
Methylene Chloride
Concen: 1.169 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010345.D
Acq: 09 May 2019 19:11

Tgt Ion: 84 Resp: 1896
Ion Ratio Lower Upper
84 100
49 71.4 112.3 168.5#
51 30.7 33.9 50.9#
86 60.9 50.2 75.4





#25

2-Butanone

Concen: 13.210 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010345.D

Acq: 09 May 2019 19:11

Instrument :

MSVOA_W

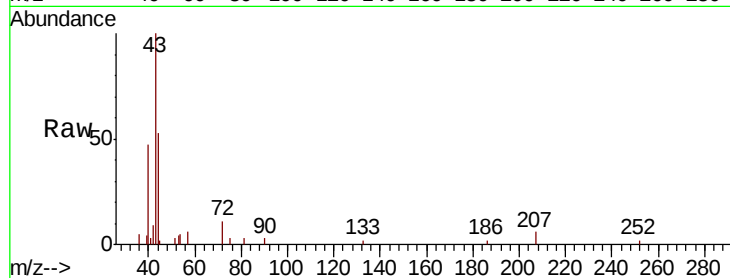
ClientSampleId :

Tot Ion: 43 Resp: 7858

Ion Ratio Lower Upper

43 100

72 11.3 19.1 28.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.18

3000

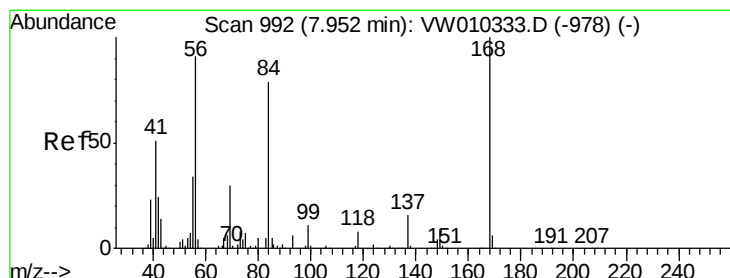
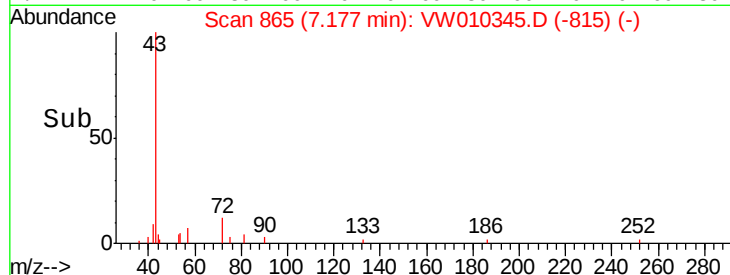
2000

1000

0

7.10 7.15 7.20 7.25

Time-->



#31

Cyclohexane

Concen: 1.384 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010345.D

Acq: 09 May 2019 19:11

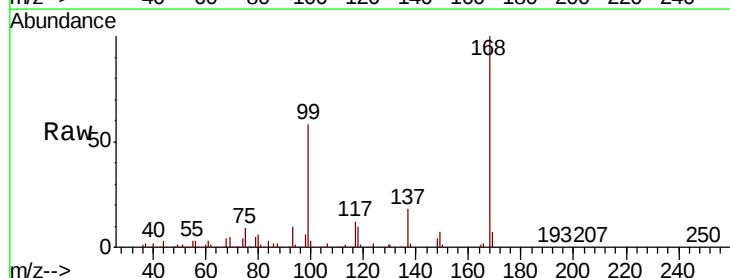
Tgt Ion: 56 Resp: 4229

Ion Ratio Lower Upper

56 100

69 189.0 26.6 40.0#

84 122.6 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

4000

3000

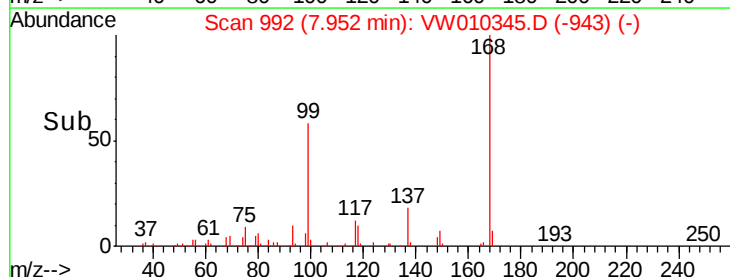
2000

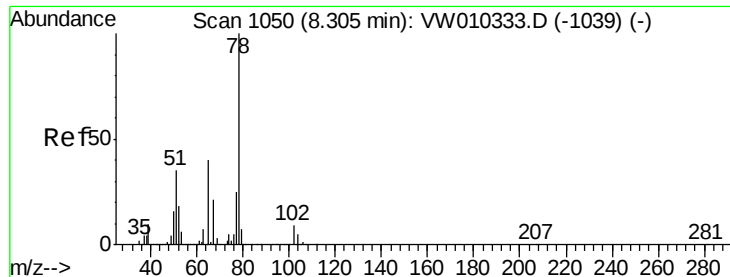
1000

0

7.85 7.90 7.95 8.00

Time-->

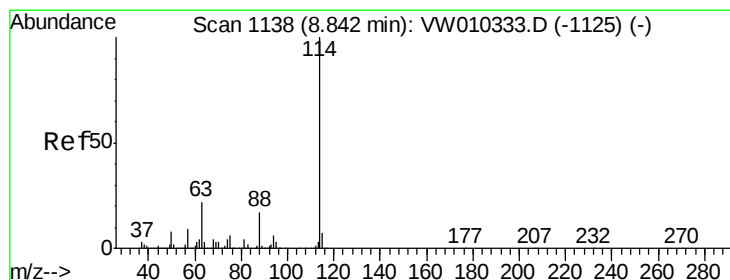
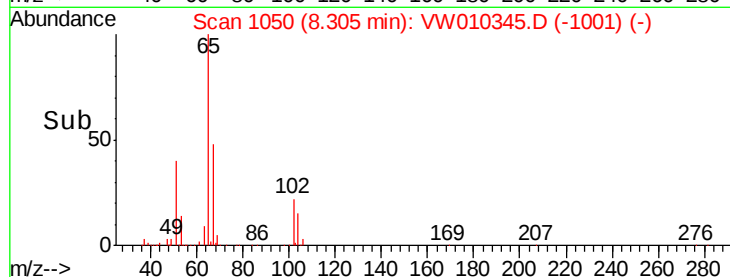
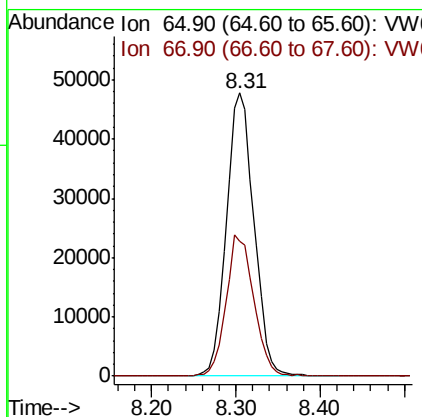
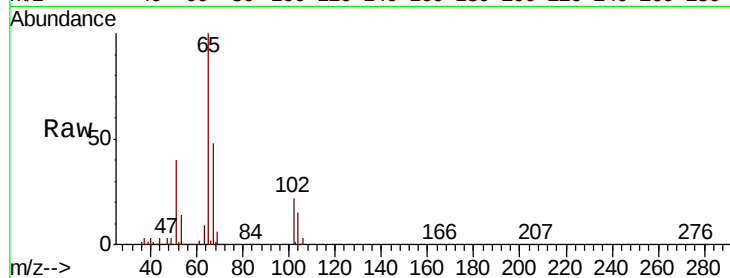




#33
 1,2-Dichloroethane-d4
 Concen: 71.192 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010345.D
 Acq: 09 May 2019 19:11

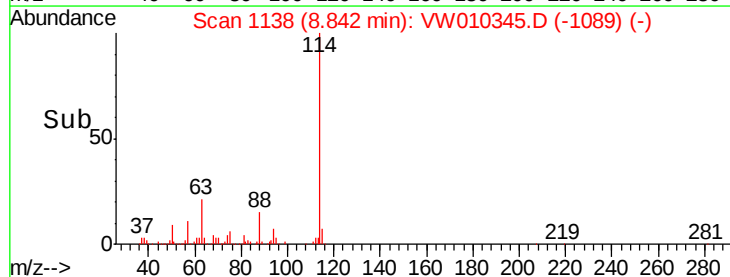
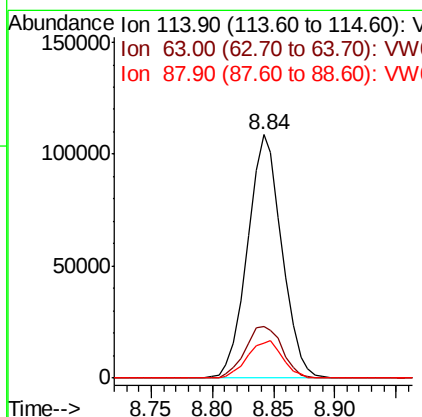
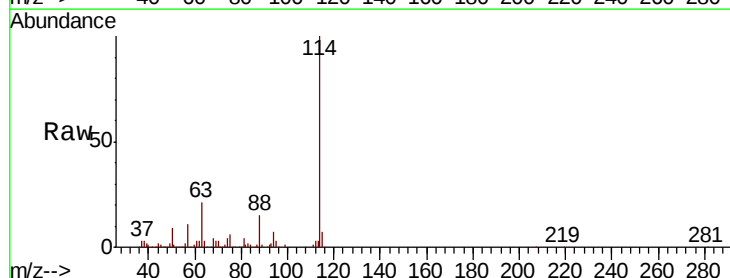
Instrument :
 MSVOA_W
 ClientSampleId :

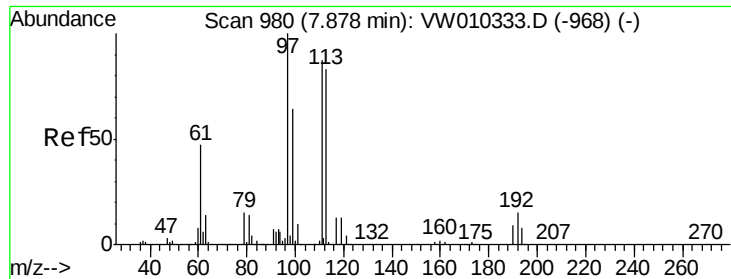
Tot Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010345.D
 Acq: 09 May 2019 19:11

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	46.2
88	14.5	0.0	32.6





#35

Dibromofluoromethane

Concen: 67.835 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW010345.D

Acq: 09 May 2019 19:11

Instrument :

MSVOA_W

ClientSampleId :

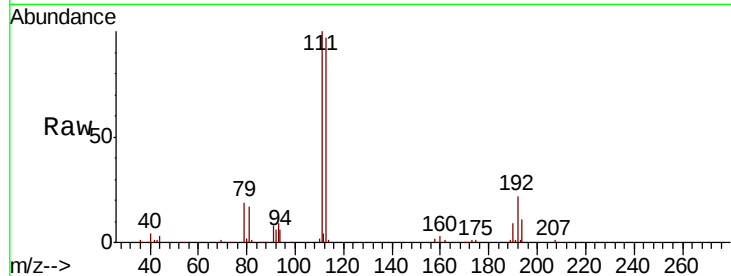
Tot Ion:113 Resp: 84311

Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

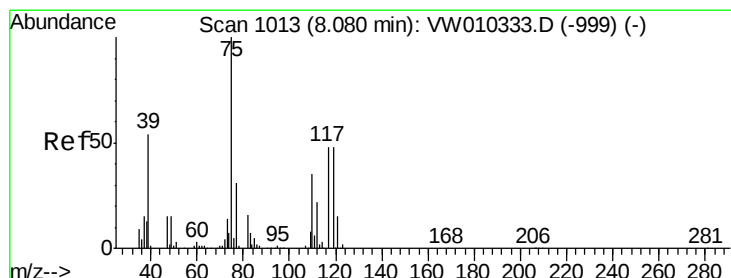
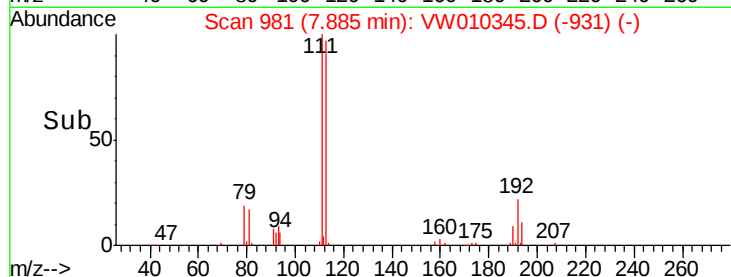
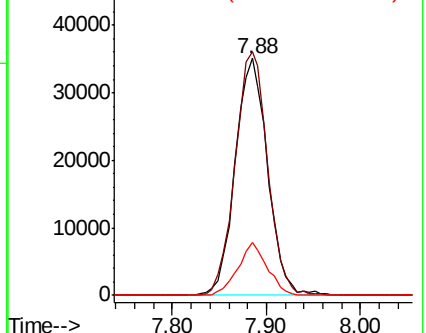
192 20.2 15.4 23.2



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: 5.713 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010345.D

Acq: 09 May 2019 19:11

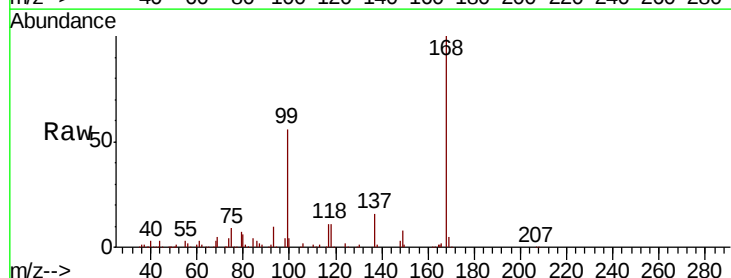
Tgt Ion: 75 Resp: 13156

Ion Ratio Lower Upper

75 100

110 5.5 16.6 49.8#

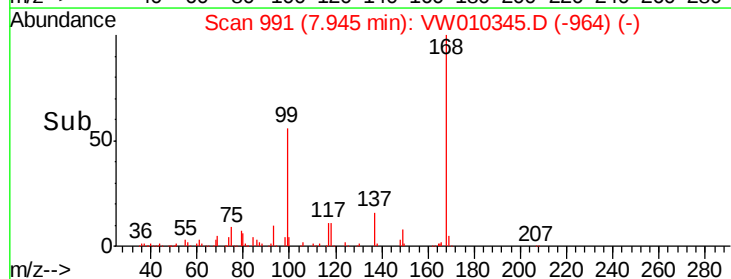
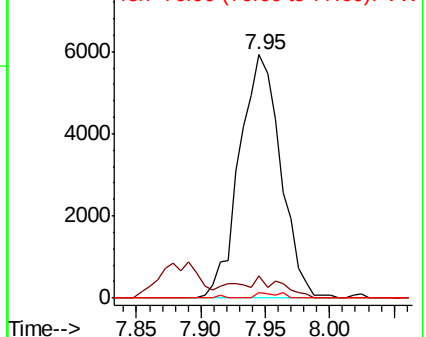
77 1.1 24.8 37.2#

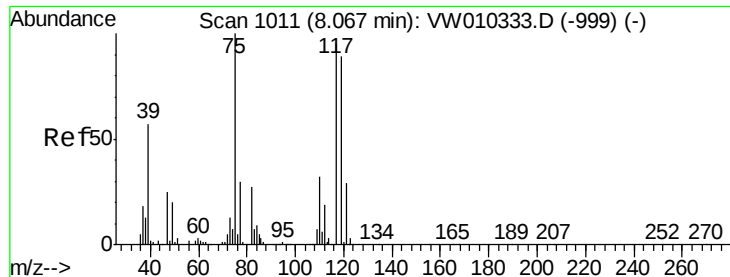


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.780 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW010345.D

Acq: 09 May 2019 19:11

Instrument :

MSVOA_W

ClientSampled :

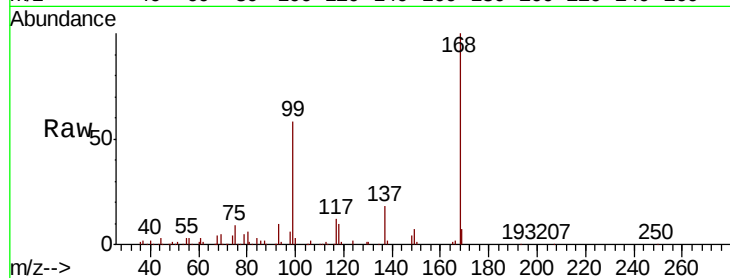
Tot Ion:117 Resp: 15358

Ion Ratio Lower Upper

117 100

119 6.0 75.3 112.9#

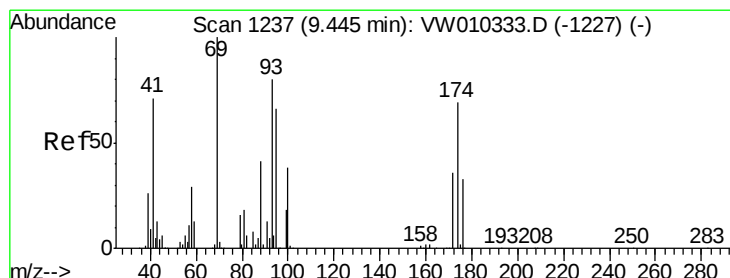
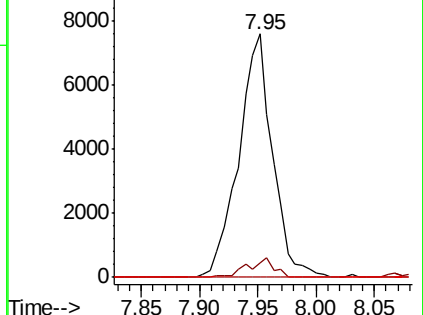
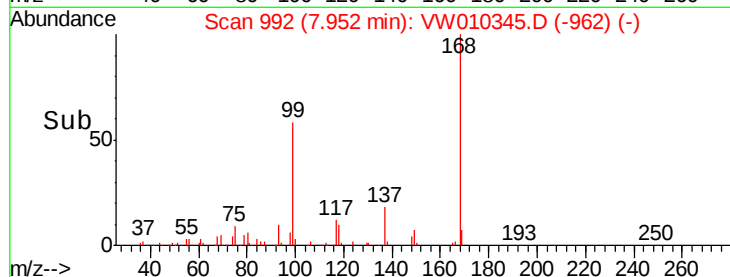
121 0.0 24.4 36.6#



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: 2.478 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW010345.D

Acq: 09 May 2019 19:11

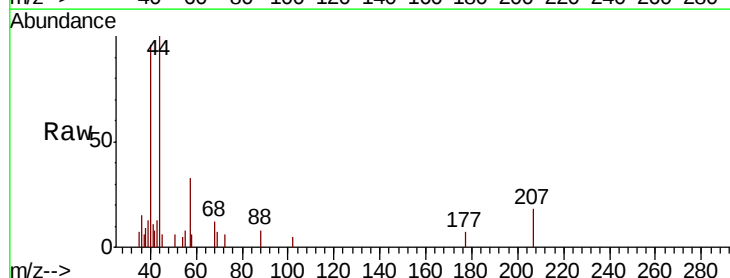
Tgt Ion: 88 Resp: 35

Ion Ratio Lower Upper

88 100

43 651.4 31.9 47.9#

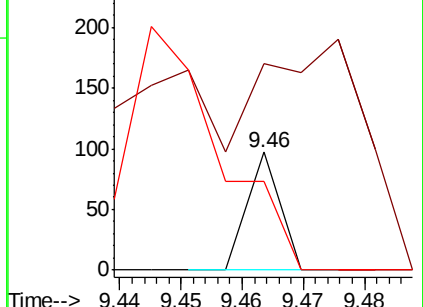
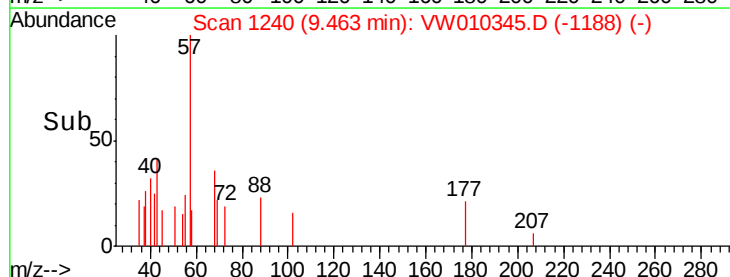
58 0.0 61.8 92.6#

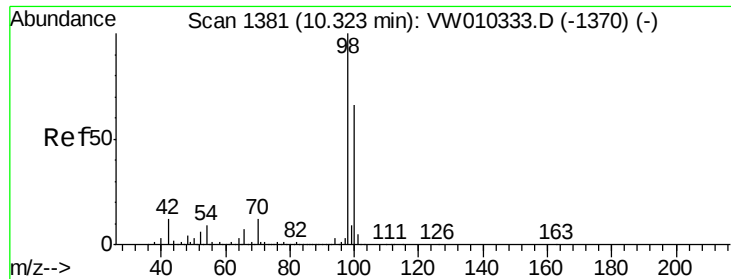


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 52.255 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010345.D

Acq: 09 May 2019 19:11

Instrument :

MSVOA_W

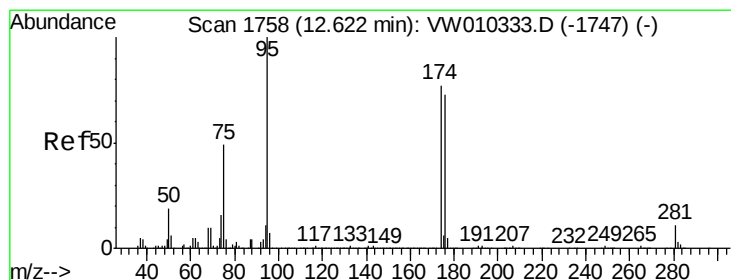
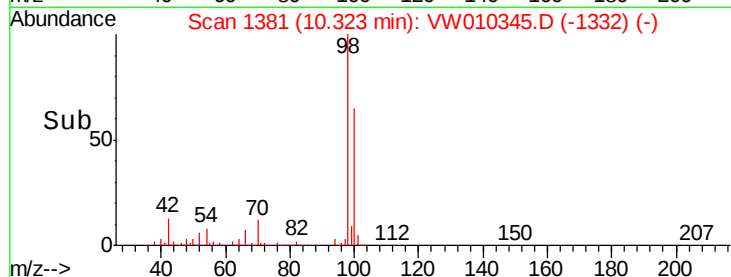
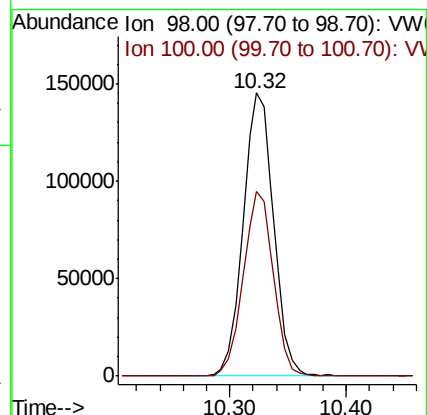
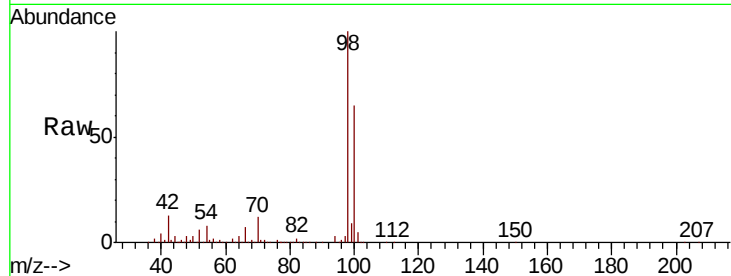
ClientSampleId :

Tot Ion: 98 Resp: 264466

Ion Ratio Lower Upper

98 100

100 64.2 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 41.377 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010345.D

Acq: 09 May 2019 19:11

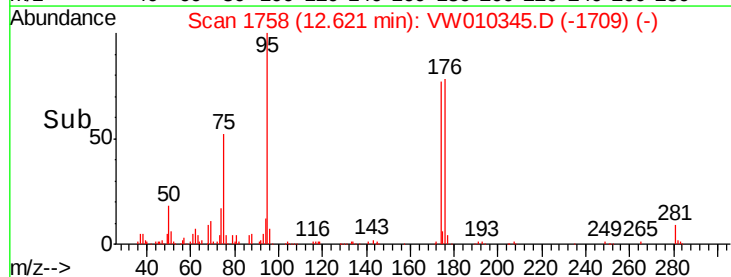
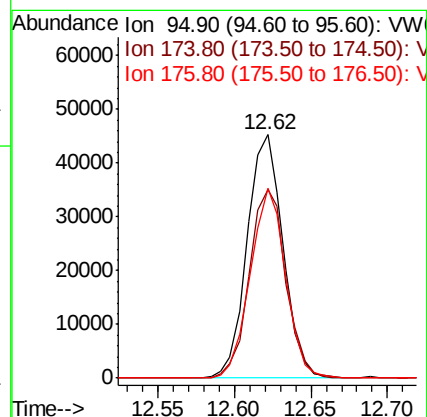
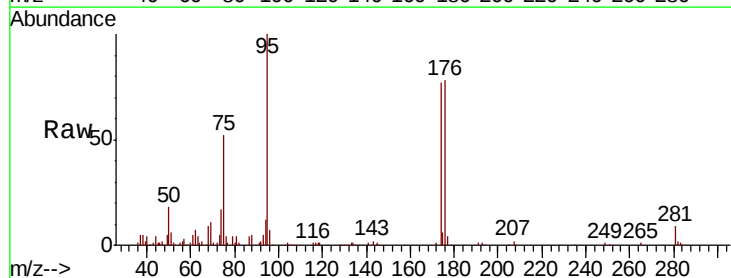
Tgt Ion: 95 Resp: 73714

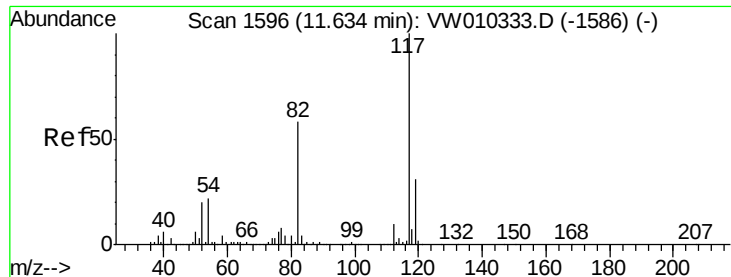
Ion Ratio Lower Upper

95 100

174 79.2 0.0 151.4

176 76.8 0.0 146.2

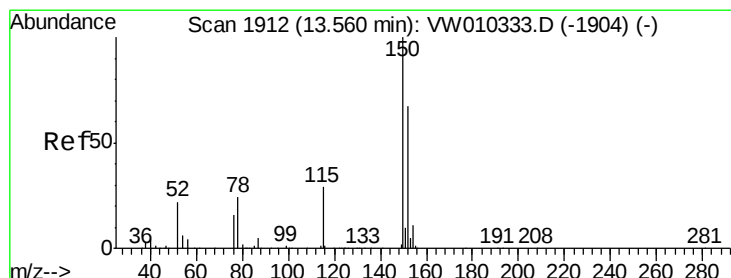
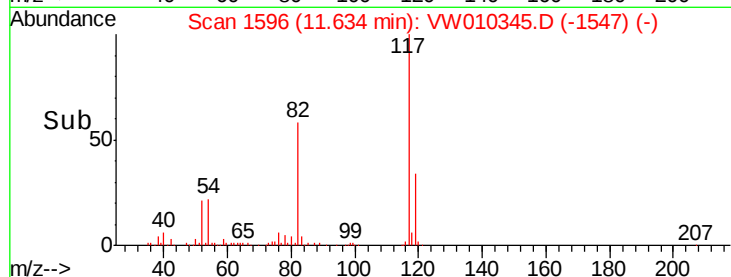
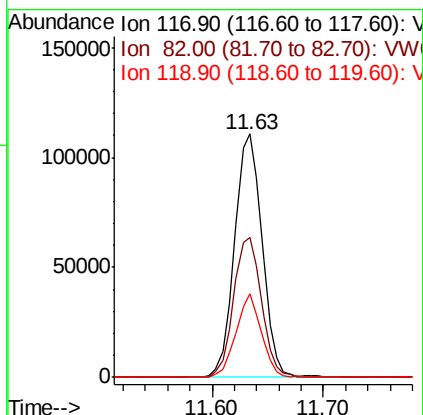
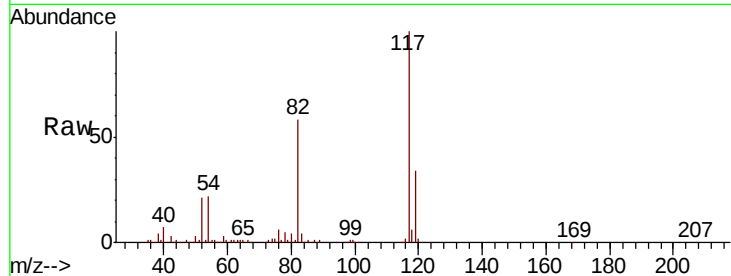




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010345.D
Acq: 09 May 2019 19:11

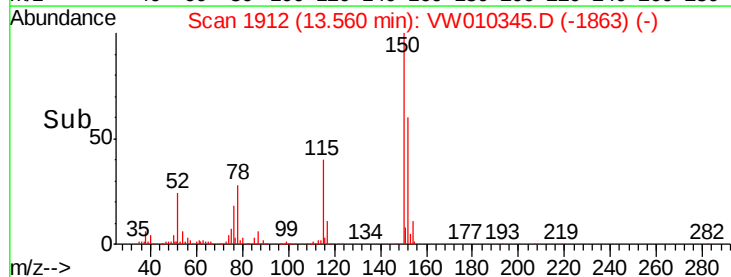
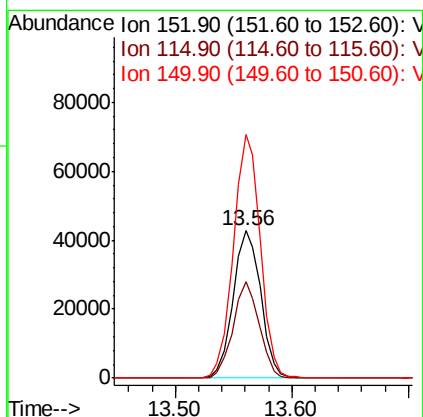
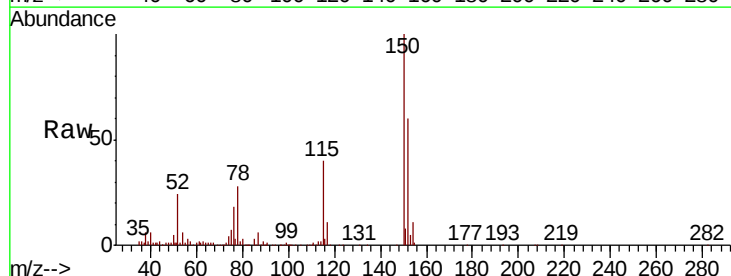
Instrument :
MSVOA_W
ClientSampled :

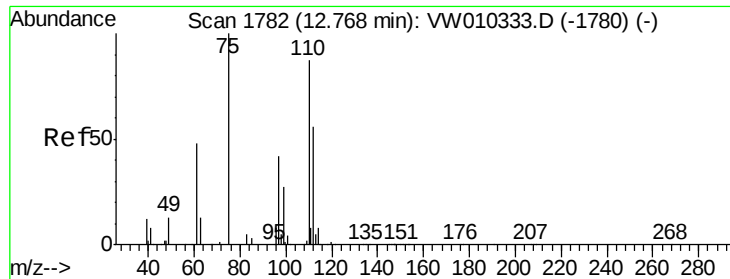
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	45.2	67.8
119	34.4	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010345.D
Acq: 09 May 2019 19:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.4	30.4	91.2
150	160.6	0.0	347.0



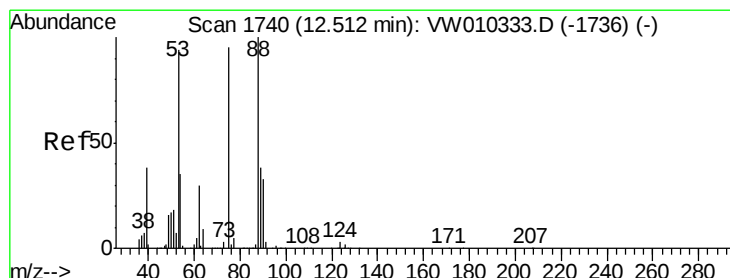
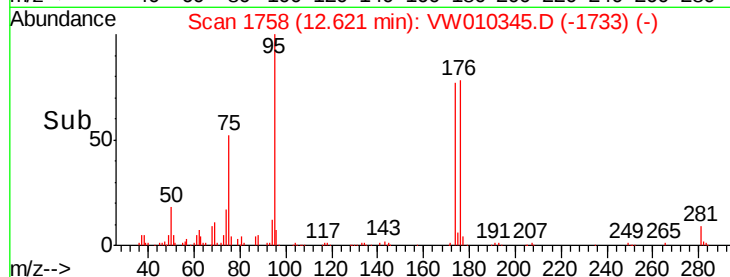
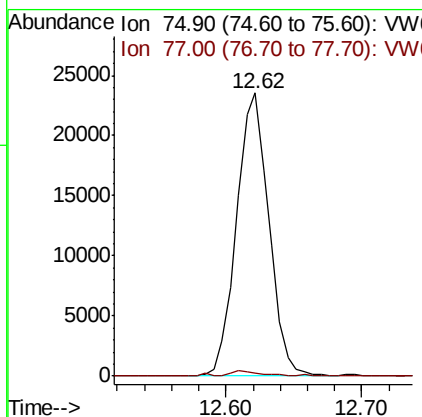
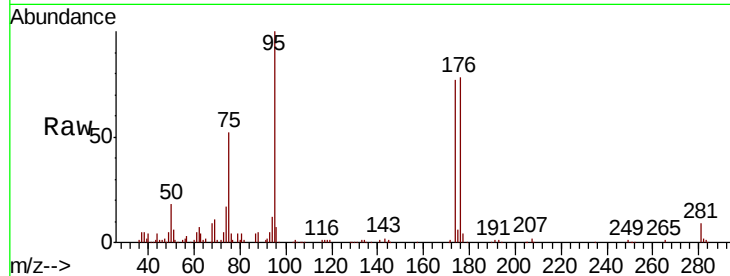


#76

1,2,3-Trichloropropane
Concen: 47.453 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW010345.D
Acq: 09 May 2019 19:11

Instrument :
MSVOA_W
ClientSampleId :

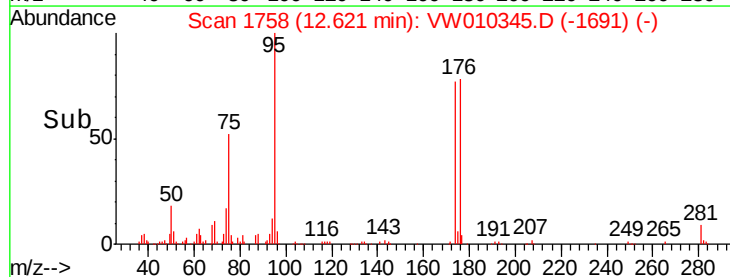
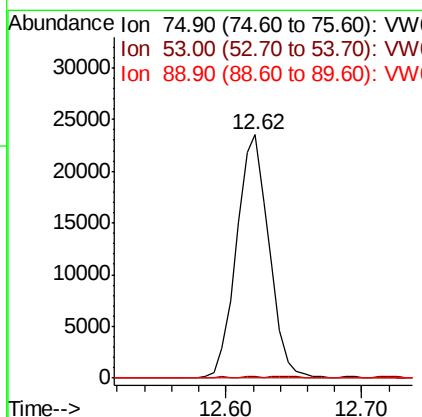
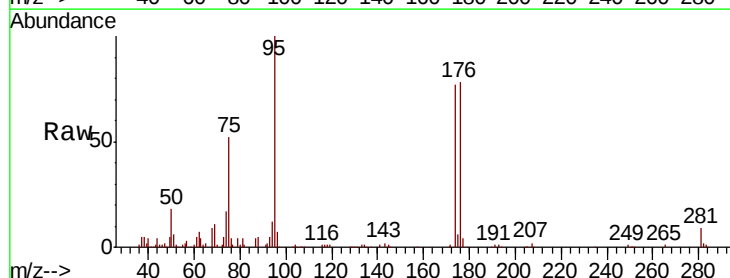
Tot Ion: 75 Resp: 39049
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

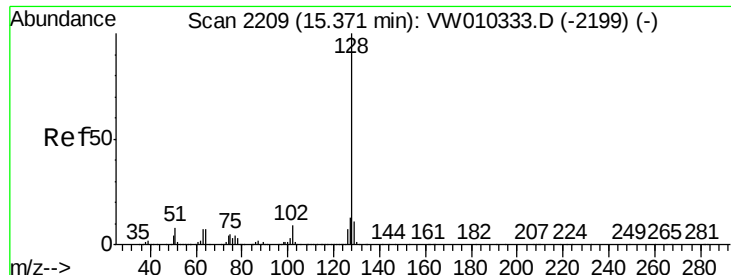


#81

trans-1,4-Dichloro-2-butene
Concen: 107.164 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW010345.D
Acq: 09 May 2019 19:11

Tgt Ion: 75 Resp: 39049
Ion Ratio Lower Upper
75 100
53 0.4 89.8 134.8#
89 0.0 36.6 54.8#





#95

Naphthalene

Concen: 4.150 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

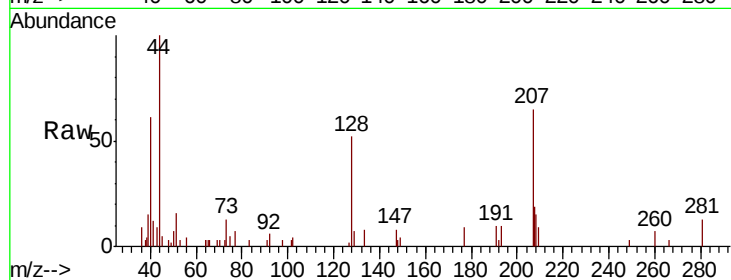
Lab File: VW010345.D

Acq: 09 May 2019 19:11

Instrument :

MSVOA_W

ClientSampleId :



Tot Ion:	128	Resp:	1915
Ion	Ratio	Lower	Upper
128	100		
127	19.1	10.6	15.8#
129	8.4	8.7	13.1#

