

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015242.D
 Acq On : 20 Apr 2020 23:28
 Operator : SY/VA
 Sample : L2304-03
 Misc : 5.03G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-B1-VOA

Quant Time: Apr 21 06:59:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	197315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	277084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	249896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113389	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	77033	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
35) Dibromofluoromethane	7.88	113	76290	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
50) Toluene-d8	10.32	98	334243	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.62	95	112735	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	

Target Compounds

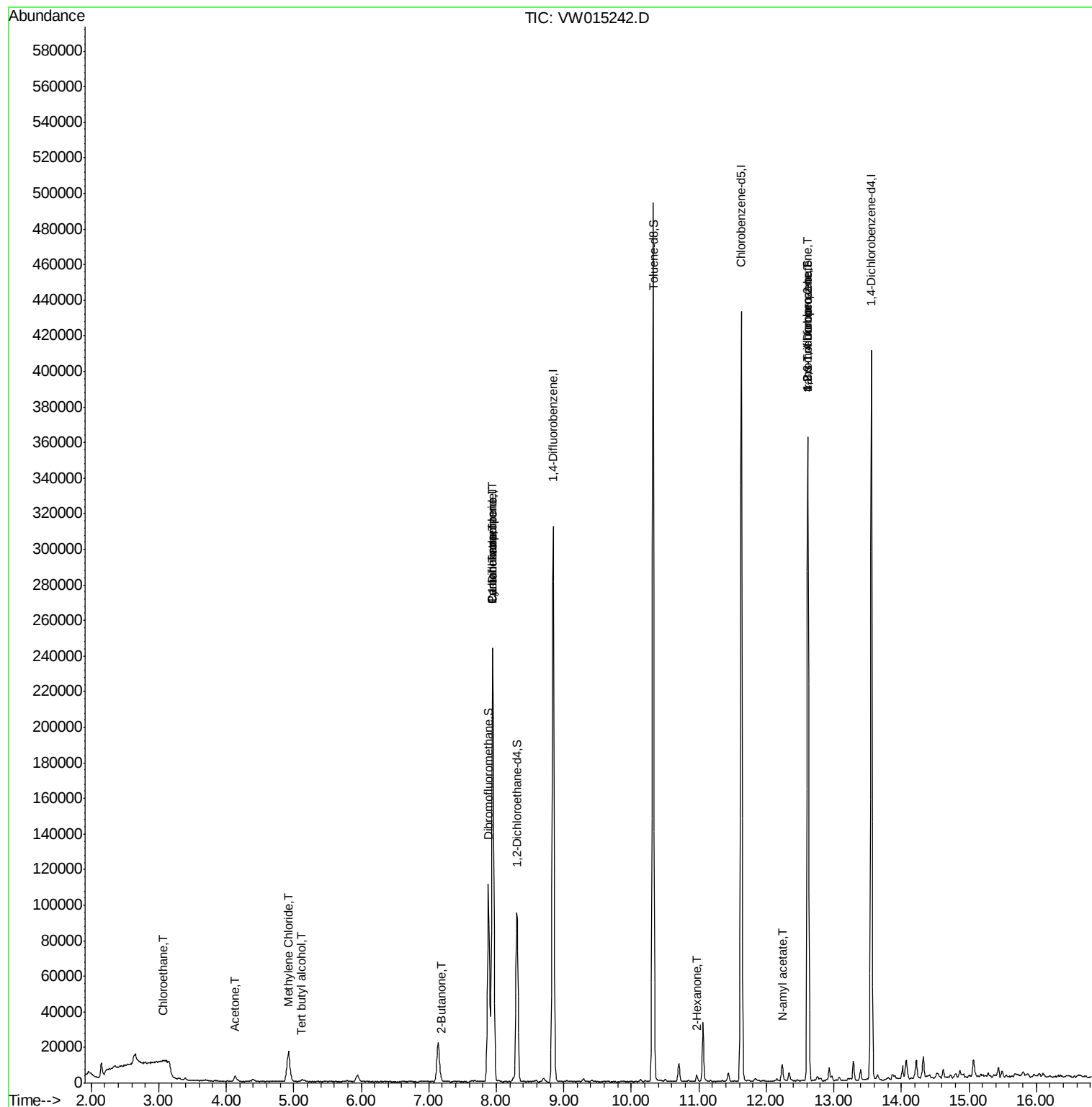
					Qvalue	
6) Chloroethane	3.07	64	1800	1.448	ug/l	98
11) Tert butyl alcohol	5.11	59	535	4.068	ug/l #	32
16) Acetone	4.14	43	5785	20.527	ug/l	98
20) Methylene Chloride	4.92	84	13929	7.541	ug/l	90
25) 2-Butanone	7.19	43	794	2.124	ug/l	95
31) Cyclohexane	7.95	56	3839	1.287	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	13394	5.356	ug/l #	50
38) Carbon Tetrachloride	7.95	117	17520	6.411	ug/l #	19
59) 2-Hexanone	10.97	43	2364	4.144	ug/l	98
74) N-amyl acetate	12.23	43	5613	4.104	ug/l #	46
76) 1,2,3-Trichloropropane	12.62	75	56487	64.396	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	56487	140.769	ug/l #	15

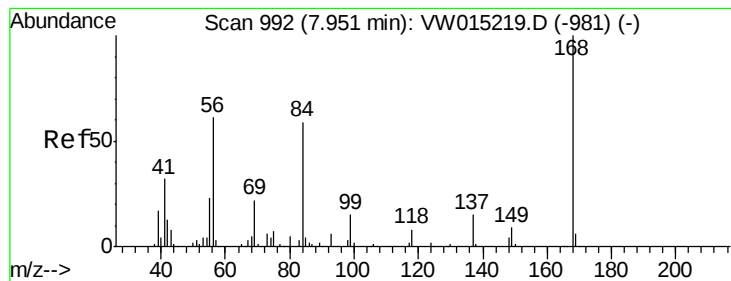
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042020\
Data File : VW015242.D
Acq On : 20 Apr 2020 23:28
Operator : SY/VA
Sample : L2304-03
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC-B1-VOA

Quant Time: Apr 21 06:59:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 21 06:39:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015242.D

Acq: 20 Apr 2020 23:28

Instrument :

MSVOA_W

ClientSampleId :

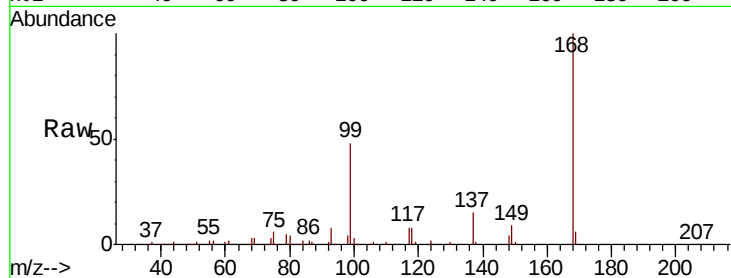
WC-B1-VOA

Tot Ion:168 Resp: 197315

Ion Ratio Lower Upper

168 100

99 48.3 48.5 72.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

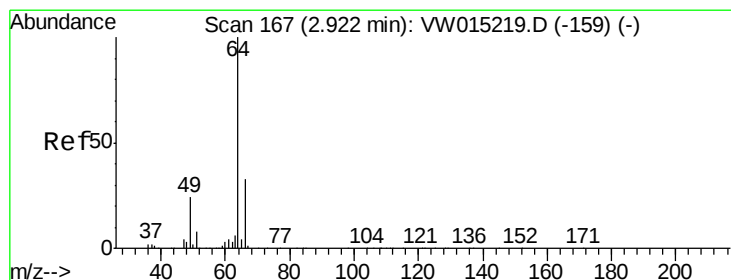
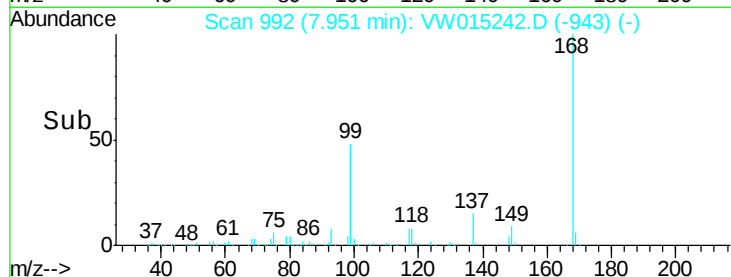
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 1.448 ug/l

RT: 3.07 min Scan# 191

Delta R.T. 0.15 min

Lab File: VW015242.D

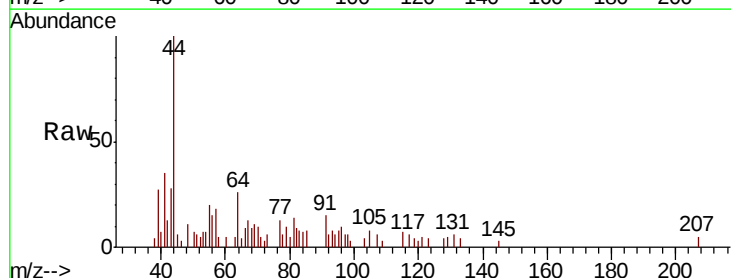
Acq: 20 Apr 2020 23:28

Tgt Ion: 64 Resp: 1800

Ion Ratio Lower Upper

64 100

66 33.5 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

3.07

600

500

400

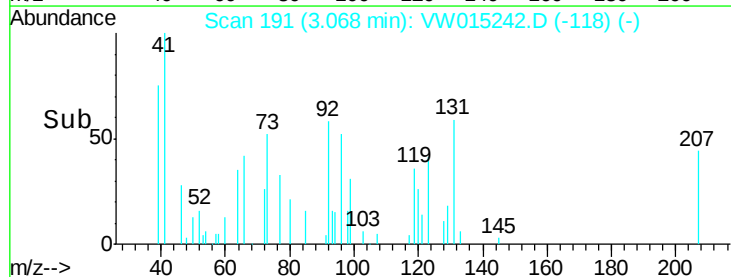
300

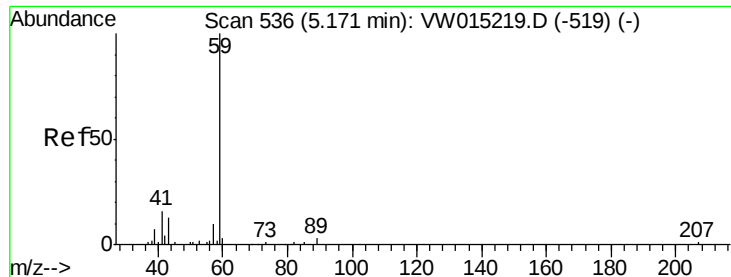
200

100

0

Time-->



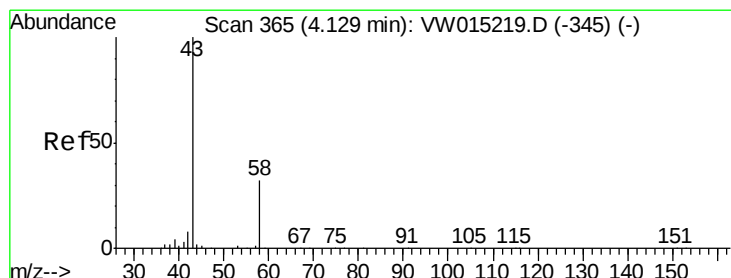
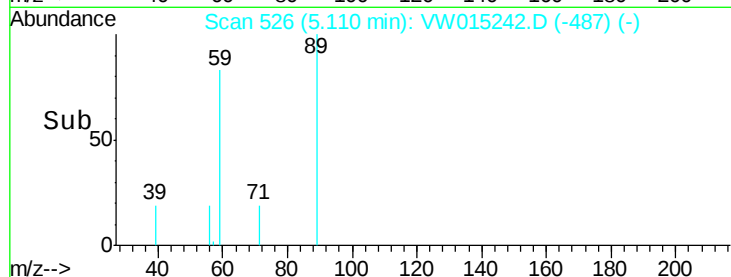
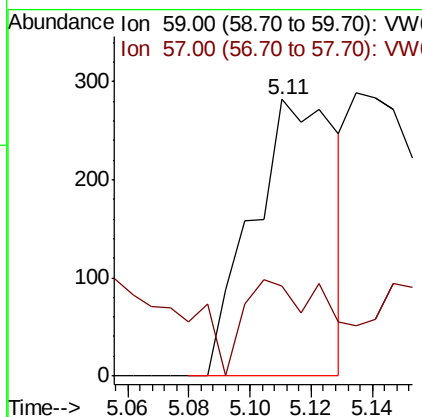
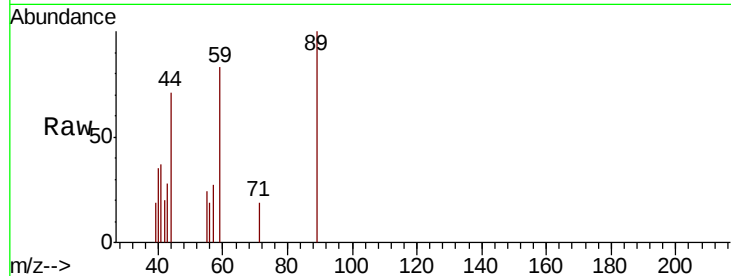


#11

Tert butyl alcohol
 Concen: 4.068 ug/l
 RT: 5.11 min Scan# 526
 Delta R.T. -0.06 min
 Lab File: VW015242.D
 Acq: 20 Apr 2020 23:28

Instrument :
 MSVOA_W
 ClientSampled :
 WC-B1-VOA

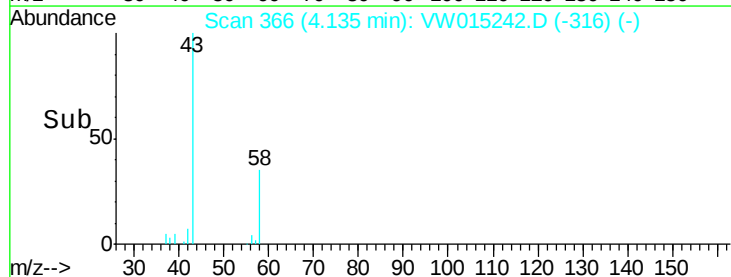
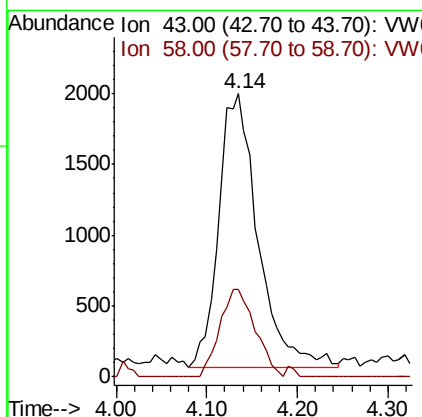
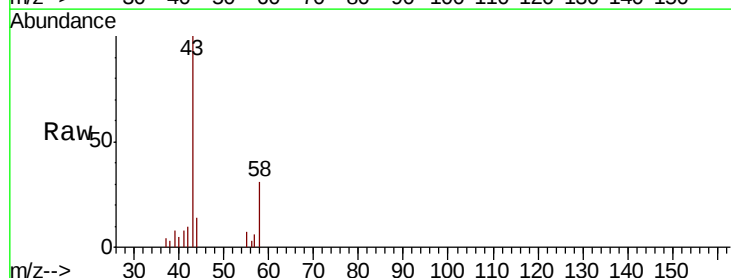
Tot Ion: 59 Resp: 535
 Ion Ratio Lower Upper
 59 100
 57 35.9 8.4 12.6#

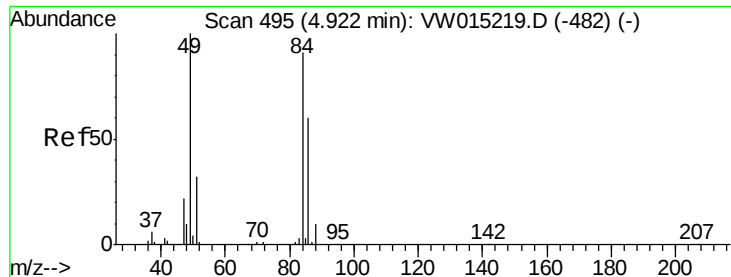


#16

Acetone
 Concen: 20.527 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW015242.D
 Acq: 20 Apr 2020 23:28

Tgt Ion: 43 Resp: 5785
 Ion Ratio Lower Upper
 43 100
 58 32.3 27.0 40.4

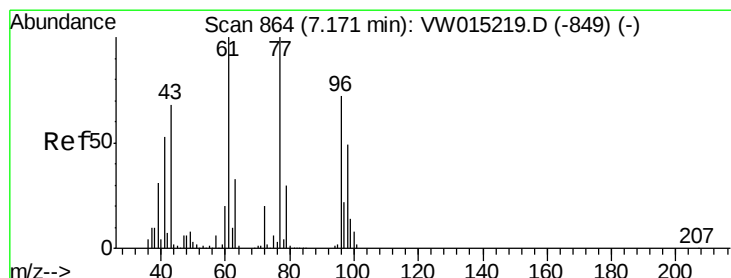
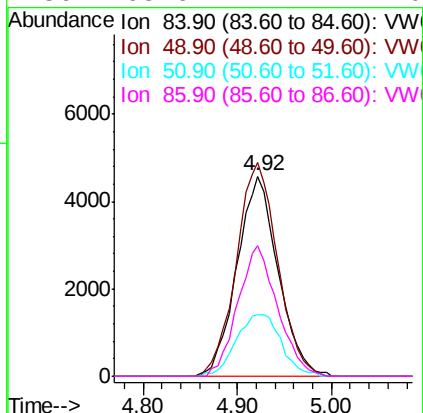
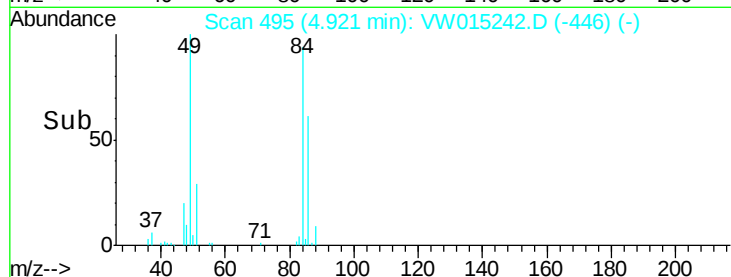
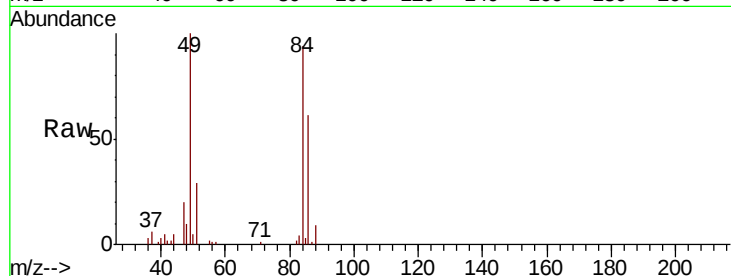




#20
Methvlene Chloride
Concen: 7.541 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW015242.D
Acq: 20 Apr 2020 23:28

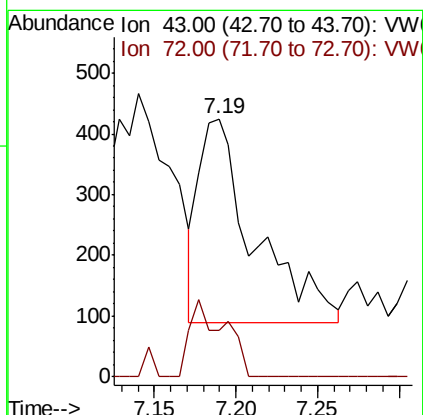
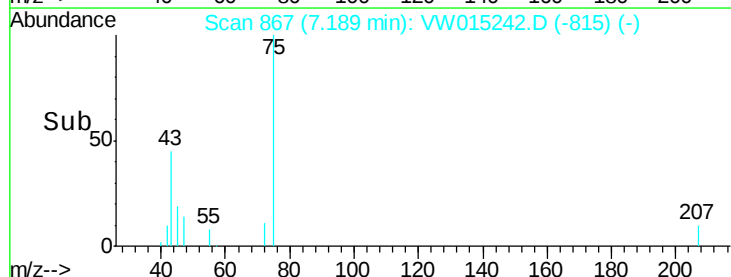
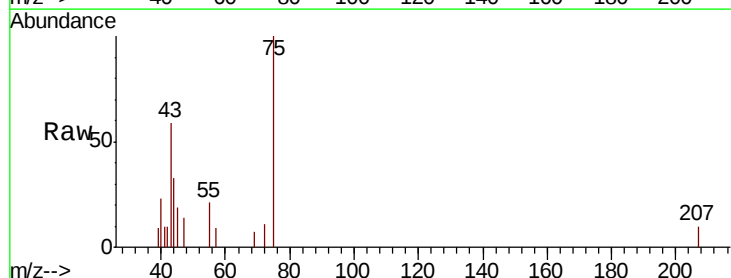
Instrument :
MSVOA_W
ClientSampled :
WC-B1-VOA

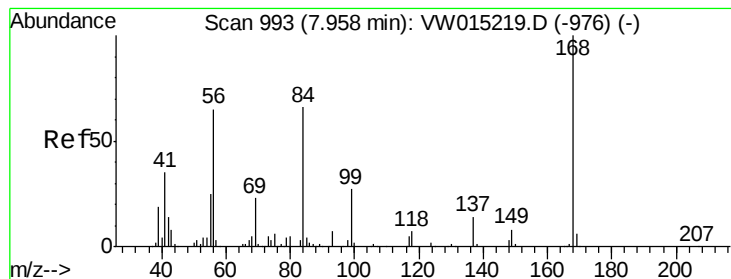
Tot Ion:	84	Resp:	13929
Ion	Ratio	Lower	Upper
84	100		
49	106.9	95.4	143.0
51	30.5	29.8	44.8
86	65.6	47.4	71.0



#25
2-Butanone
Concen: 2.124 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW015242.D
Acq: 20 Apr 2020 23:28

Tgt Ion:	43	Resp:	794
Ion	Ratio	Lower	Upper
43	100		
72	24.4	21.6	32.4





#31

Cyclohexane

Concen: 1.287 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015242.D

Acq: 20 Apr 2020 23:28

Instrument :

MSVOA_W

ClientSampled :

WC-B1-VOA

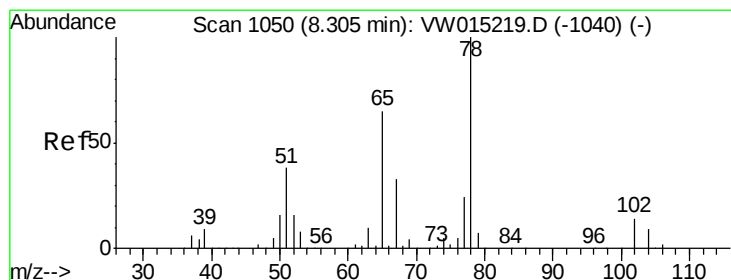
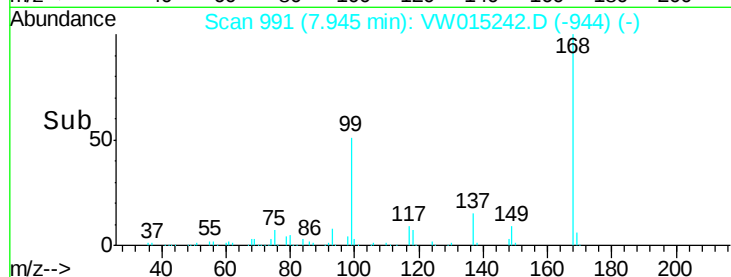
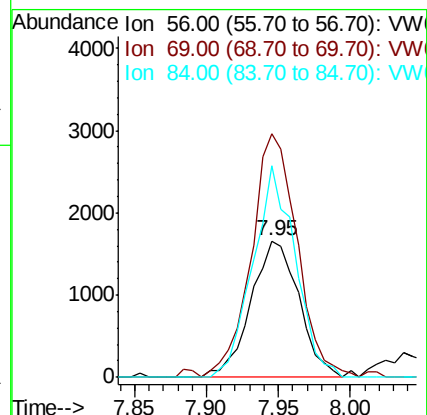
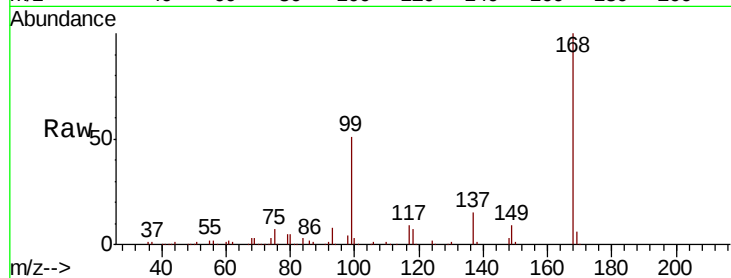
Tot Ion: 56 Resp: 3839

Ion Ratio Lower Upper

56 100

69 173.7 27.1 40.7#

84 155.4 71.9 107.9#



#33

1,2-Dichloroethane-d4

Concen: 47.742 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015242.D

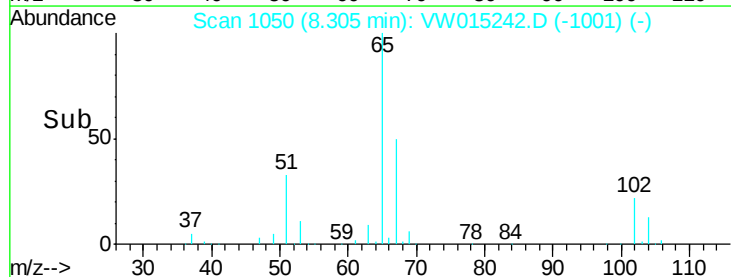
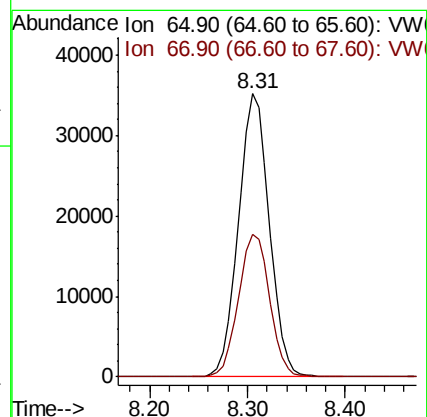
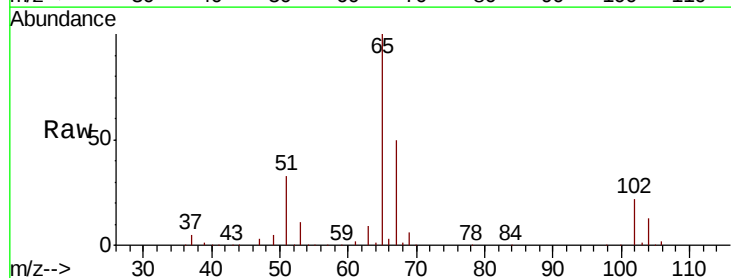
Acq: 20 Apr 2020 23:28

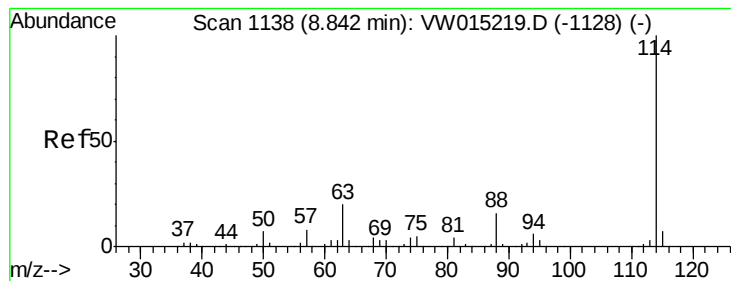
Tgt Ion: 65 Resp: 77033

Ion Ratio Lower Upper

65 100

67 51.2 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW015242.D

Acq: 20 Apr 2020 23:28

Instrument :

MSVOA_W

ClientSampleId :

WC-B1-VOA

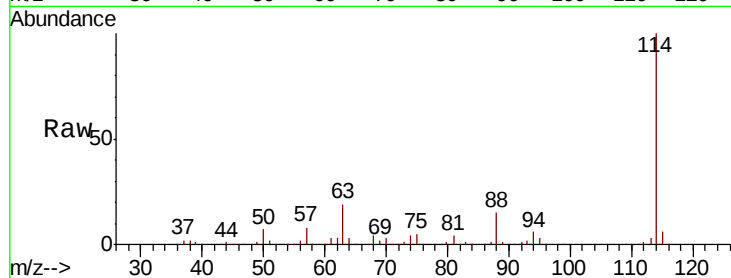
Tot Ion:114 Resp: 277084

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.8

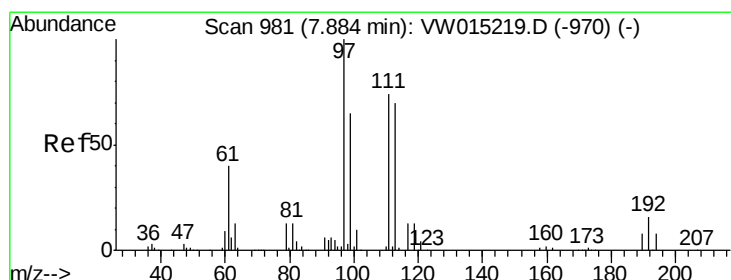
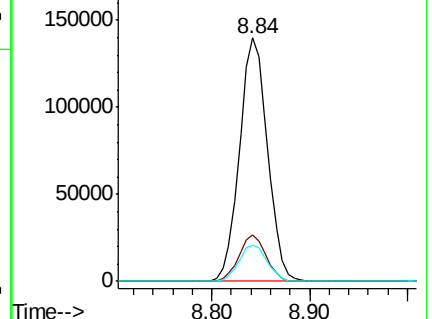
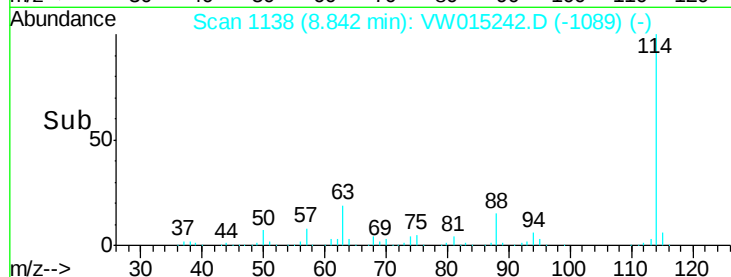
88 15.1 0.0 30.2



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: 49.706 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW015242.D

Acq: 20 Apr 2020 23:28

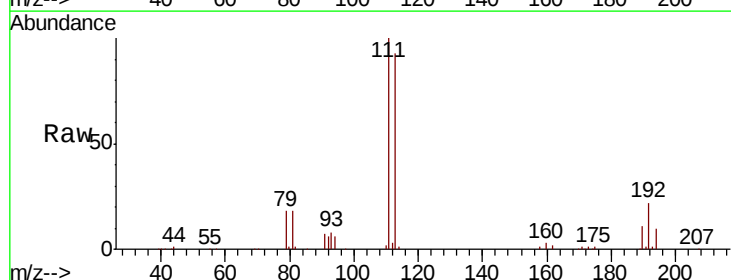
Tgt Ion:113 Resp: 76290

Ion Ratio Lower Upper

113 100

111 104.9 83.0 124.4

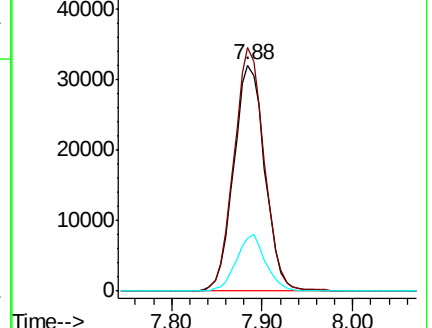
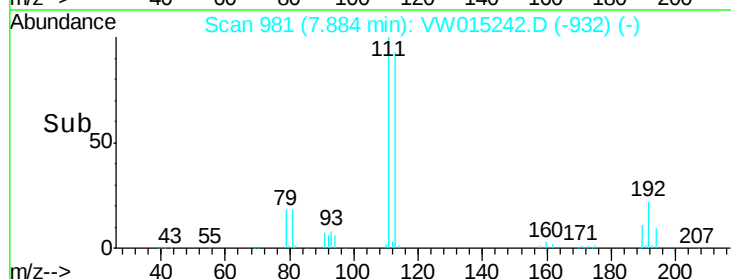
192 23.3 15.1 22.7#

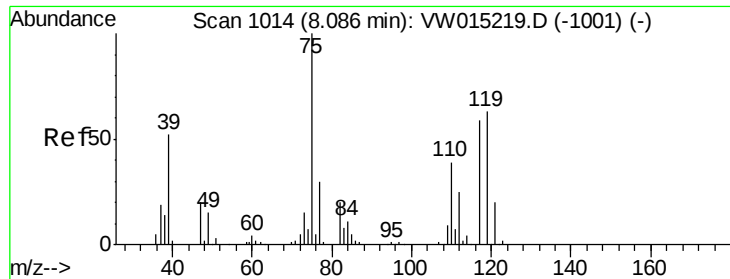


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

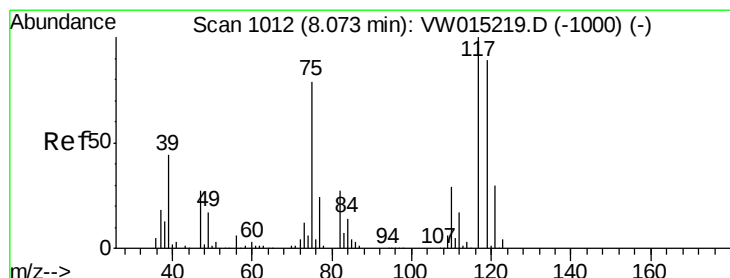
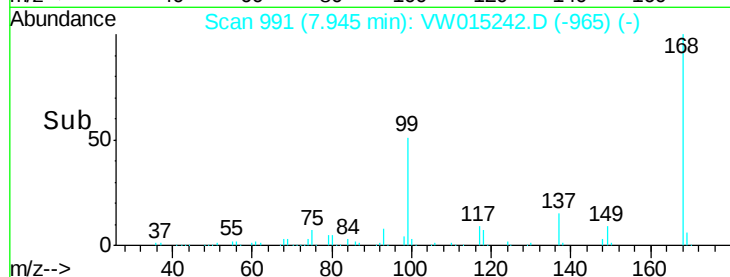
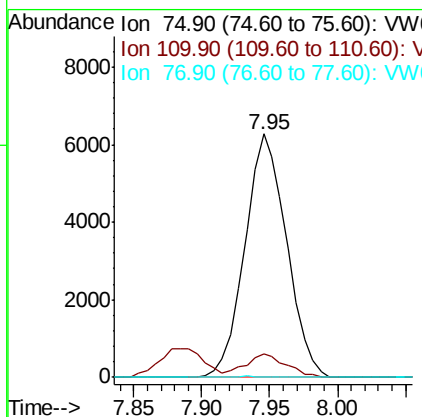
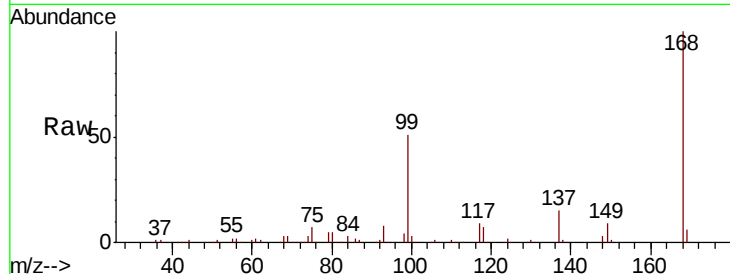




#36
 1,1-Dichloropropene
 Concen: 5.356 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW015242.D
 Acq: 20 Apr 2020 23:28

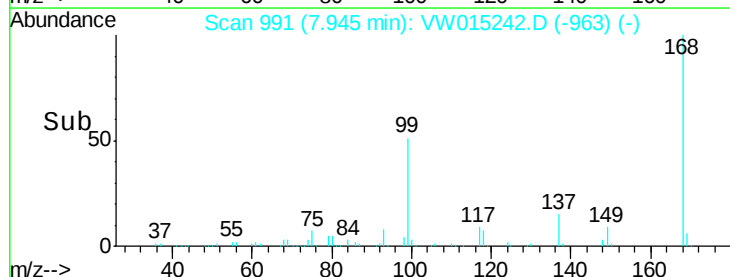
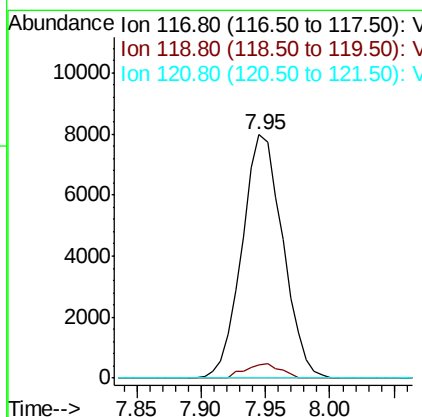
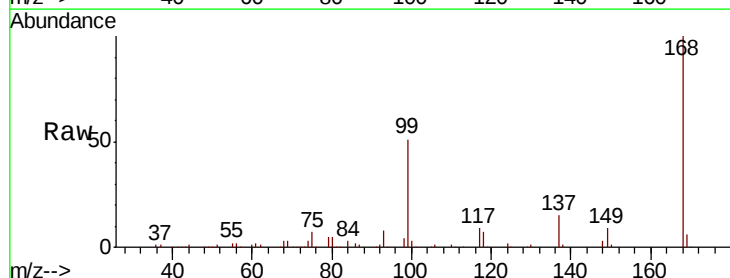
Instrument :
 MSVOA_W
 ClientSampleId :
 WC-B1-VOA

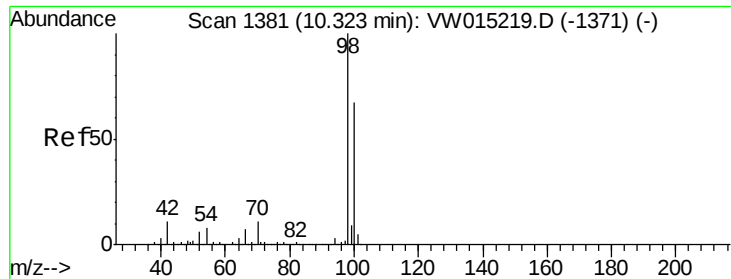
Tot Ion	75	Resp	13394
Ion Ratio	Lower	Upper	
75	100		
110	9.6	18.2	54.6#
77	0.1	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.411 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW015242.D
 Acq: 20 Apr 2020 23:28

Tgt Ion	117	Resp	17520
Ion Ratio	Lower	Upper	
117	100		
119	5.5	72.3	108.5#
121	0.0	23.7	35.5#





#50

Toluene-d8

Concen: 51.768 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015242.D

Acq: 20 Apr 2020 23:28

Instrument :

MSVOA_W

ClientSampled :

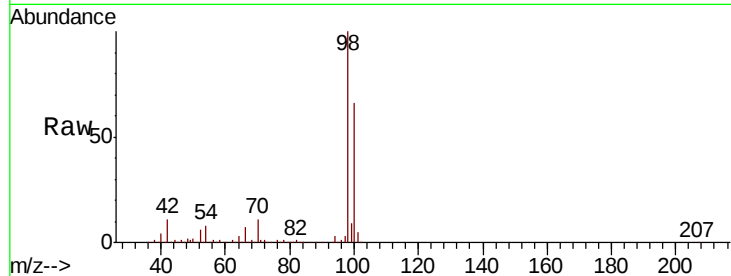
WC-B1-VOA

Tot Ion: 98 Resp: 334243

Ion Ratio Lower Upper

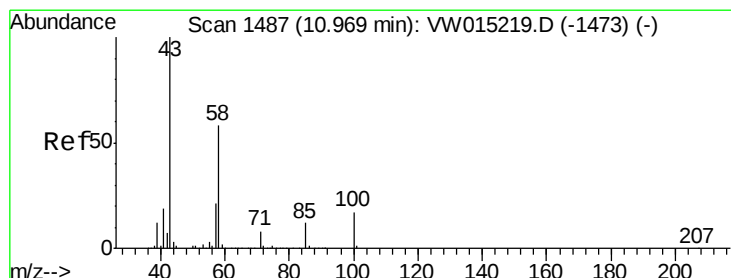
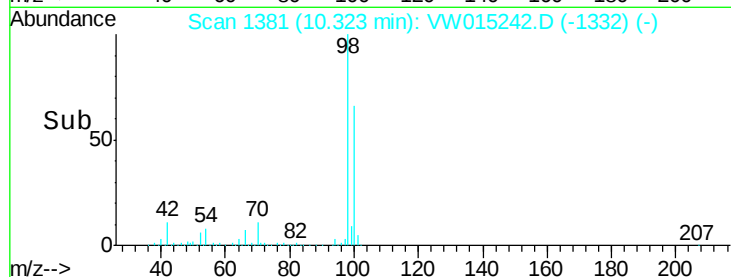
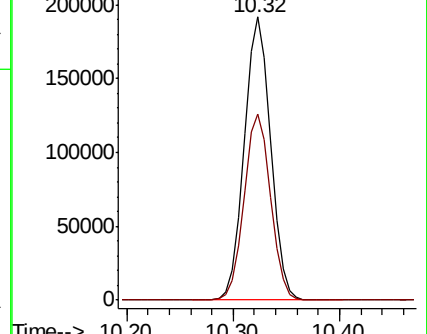
98 100

100 66.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#59

2-Hexanone

Concen: 4.144 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015242.D

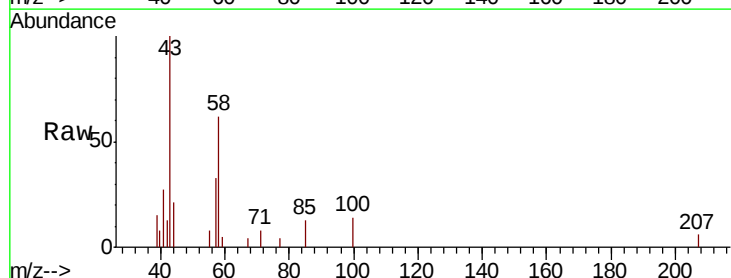
Acq: 20 Apr 2020 23:28

Tgt Ion: 43 Resp: 2364

Ion Ratio Lower Upper

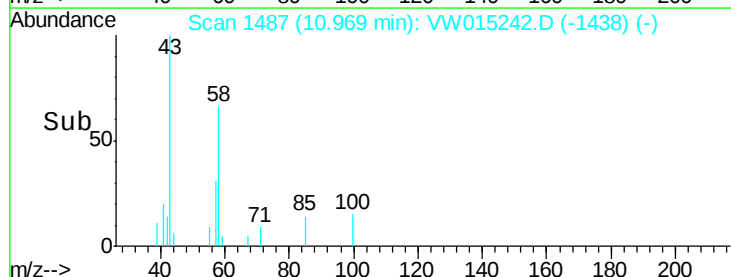
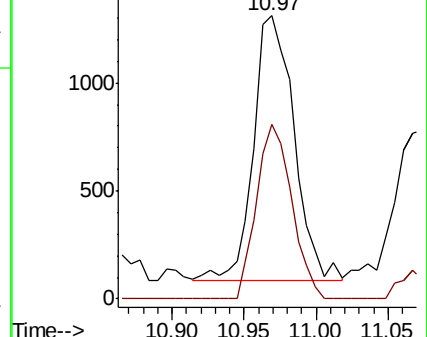
43 100

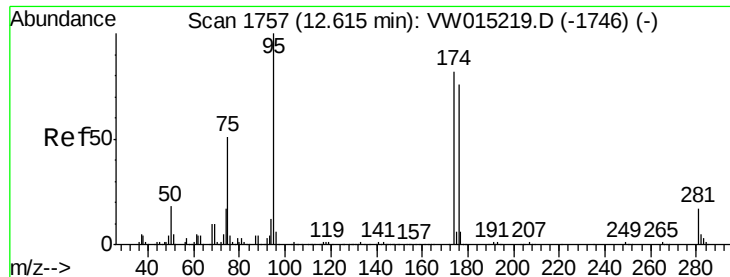
58 57.8 28.1 84.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 45.763 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015242.D

Acq: 20 Apr 2020 23:28

Instrument :

MSVOA_W

ClientSampleId :

WC-B1-VOA

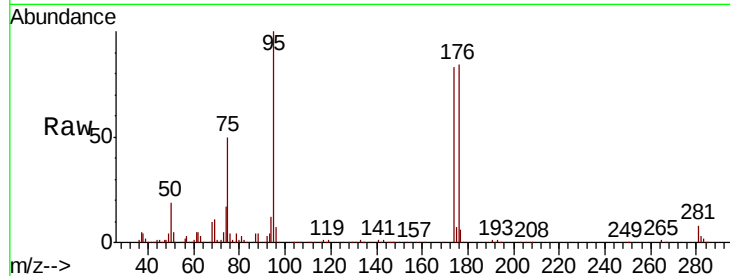
Tot Ion: 95 Resp: 112735

Ion Ratio Lower Upper

95 100

174 86.3 0.0 144.4

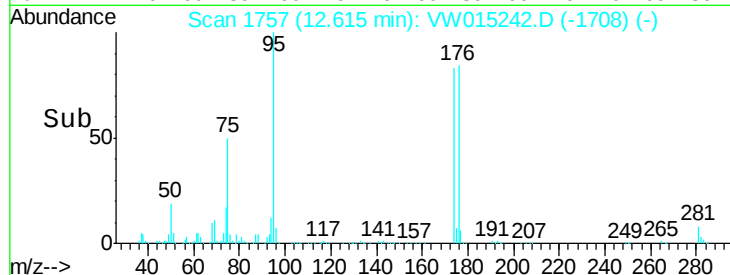
176 87.4 0.0 140.6



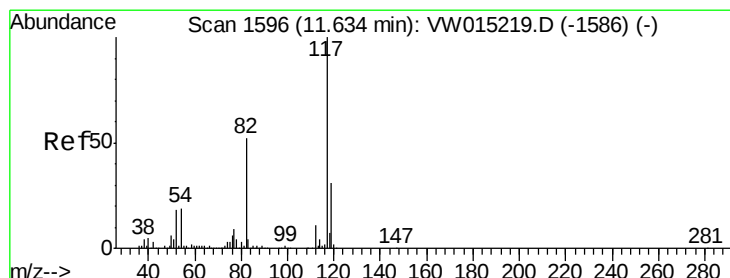
Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW015242.D

Acq: 20 Apr 2020 23:28

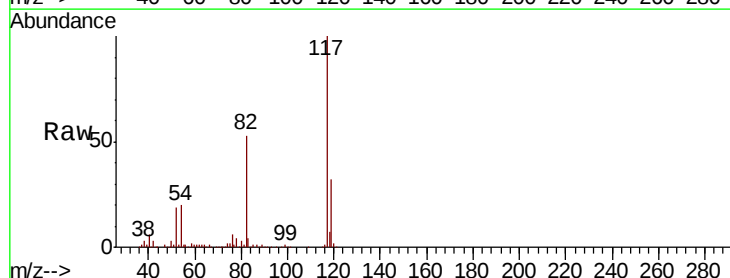
Tgt Ion: 117 Resp: 249896

Ion Ratio Lower Upper

117 100

82 53.3 44.1 66.1

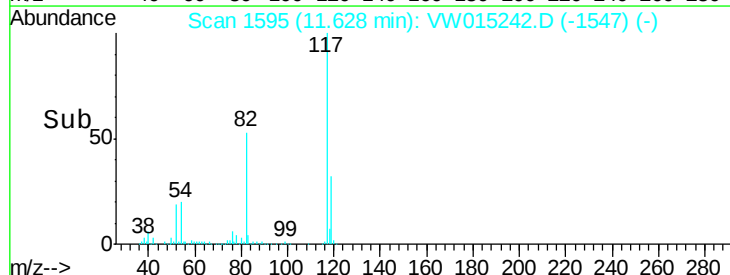
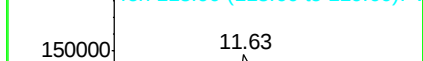
119 32.1 24.9 37.3



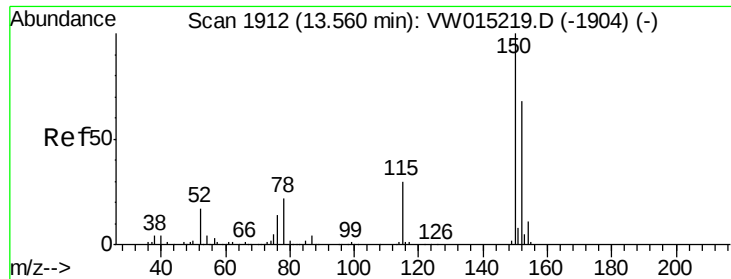
Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015242.D

Acq: 20 Apr 2020 23:28

Instrument :

MSVOA_W

ClientSampleId :

WC-B1-VOA

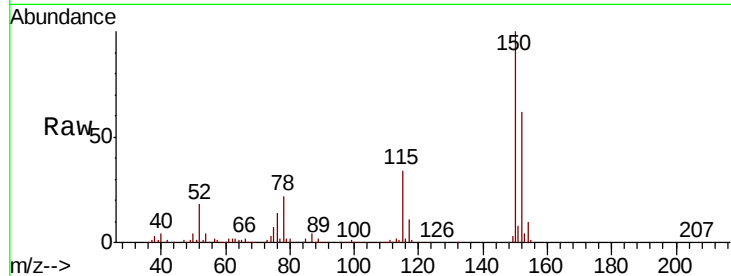
Tot Ion:152 Resp: 113389

Ion Ratio Lower Upper

152 100

115 56.8 31.3 93.9

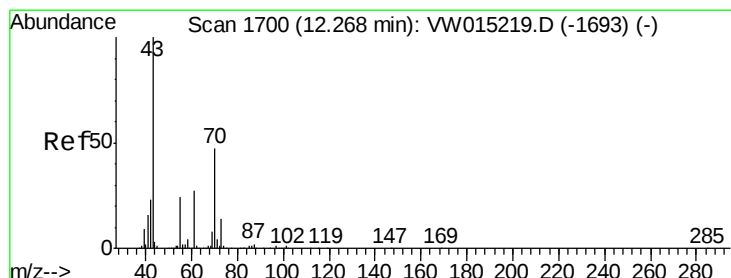
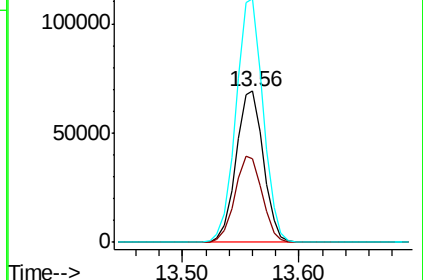
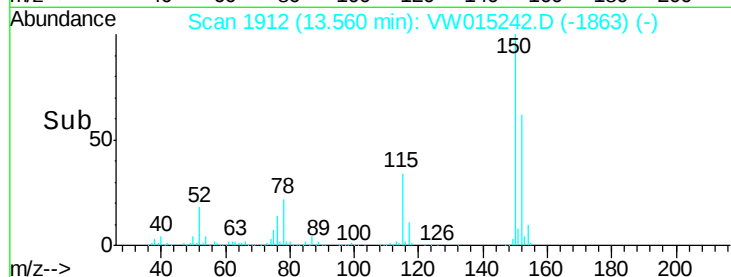
150 159.7 0.0 343.4



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: 4.104 ug/l

RT: 12.23 min Scan# 1694

Delta R.T. -0.04 min

Lab File: VW015242.D

Acq: 20 Apr 2020 23:28

Tgt Ion: 43 Resp: 5613

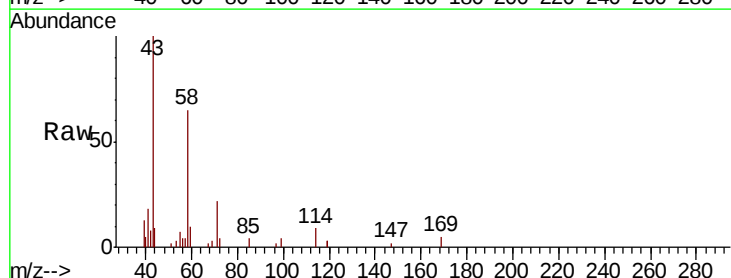
Ion Ratio Lower Upper

43 100

70 0.7 35.4 53.2#

55 8.0 18.5 27.7#

61 0.0 20.3 30.5#

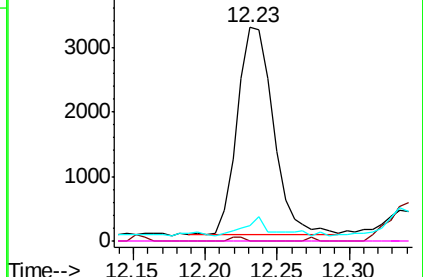
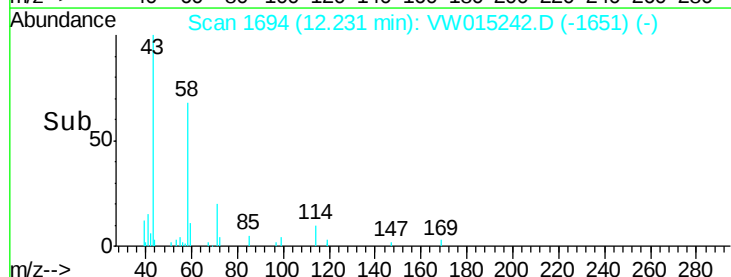


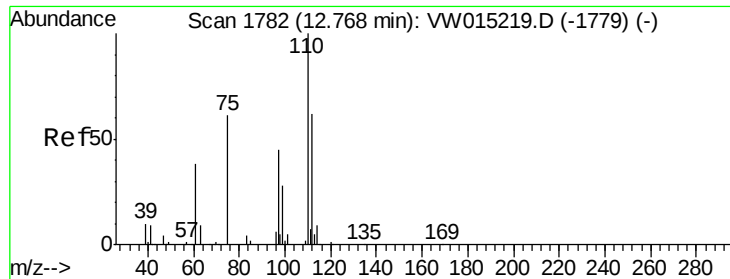
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#76

1,2,3-Trichloropropane

Concen: 64.396 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015242.D

Acq: 20 Apr 2020 23:28

Instrument :

MSVOA_W

ClientSampleId :

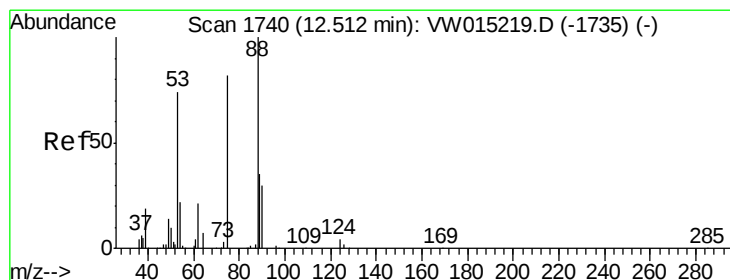
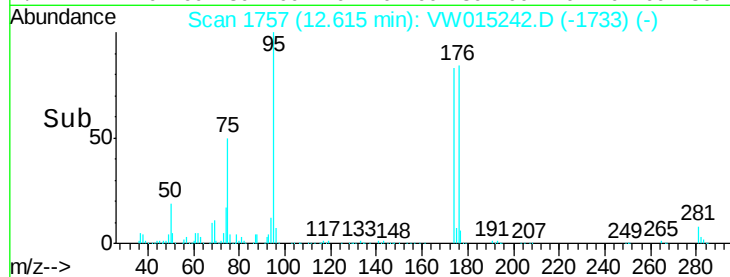
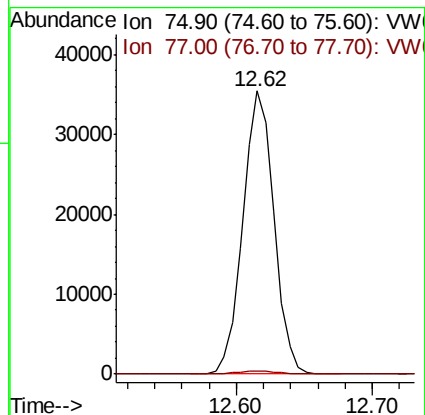
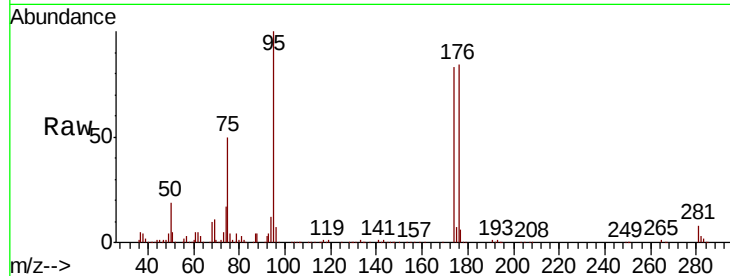
WC-B1-VOA

Tot Ion: 75 Resp: 56487

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 140.769 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015242.D

Acq: 20 Apr 2020 23:28

Tgt Ion: 75 Resp: 56487

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.1 34.8 52.2#

