

Data File : VW015304.D
Acq On : 22 Apr 2020 13:35
Operator : SY/VA
Sample : L2374-02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC-1A

Quant Time: Apr 23 07:01:51 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	205994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	294453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	262093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120429	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	80808	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
35) Dibromofluoromethane	7.88	113	81863	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	10.32	98	354527	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.62	95	118616	45.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.62%	

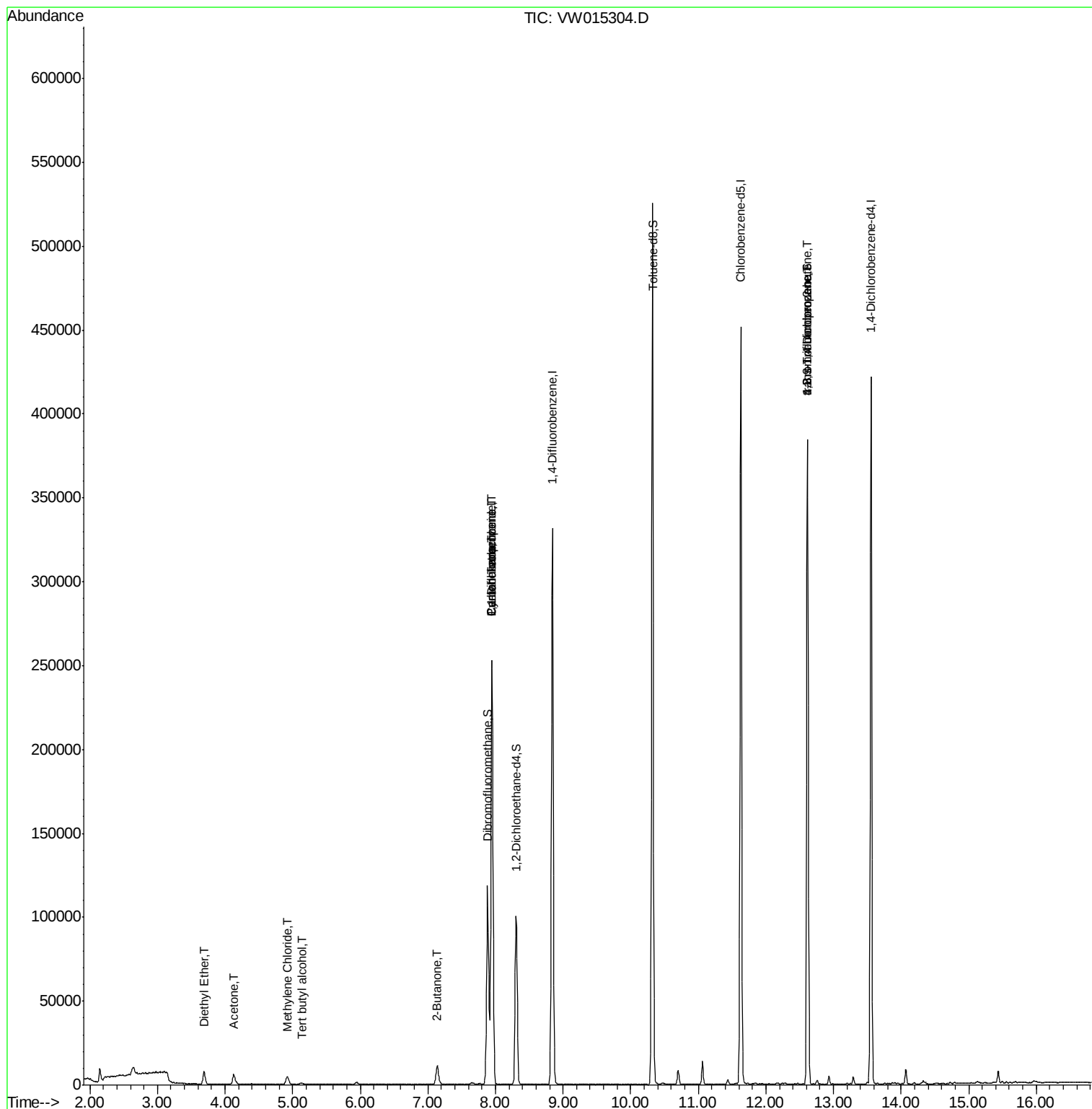
Target Compounds				Qvalue		
8) Diethyl Ether	3.69	74	4395	5.290	ug/l	82
11) Tert butyl alcohol	5.13	59	423	3.081	ug/l #	72
16) Acetone	4.13	43	10802	36.714	ug/l	95
20) Methylene Chloride	4.93	84	3964	2.056	ug/l #	84
25) 2-Butanone	7.13	43	1051	2.692	ug/l #	48
31) Cyclohexane	7.95	56	3737	1.200	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	13777	5.184	ug/l #	50
38) Carbon Tetrachloride	7.95	117	18890	6.504	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	59167	63.508	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	59167	138.829	ug/l #	15

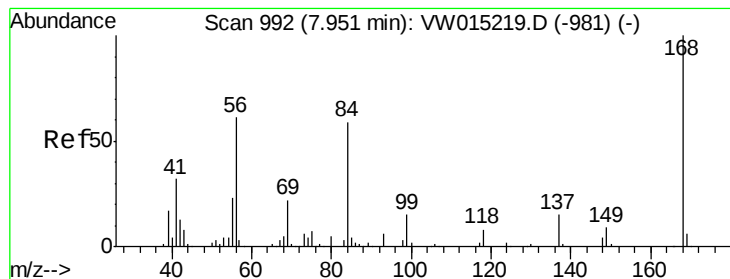
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015304.D

Acq: 22 Apr 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

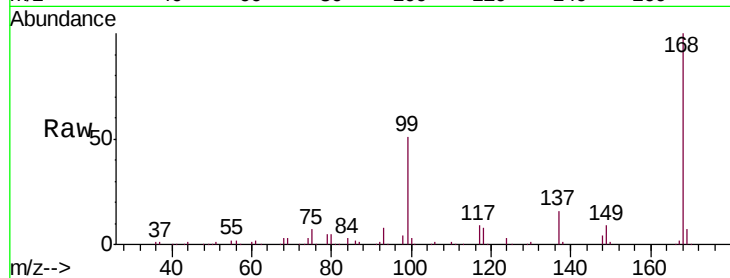
WC-1A

Tgt Ion:168 Resp: 205994

Ion Ratio Lower Upper

168 100

99 50.5 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

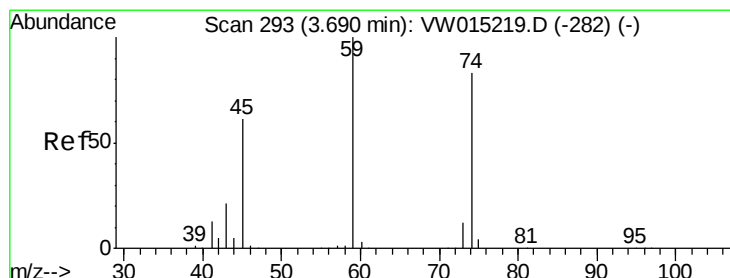
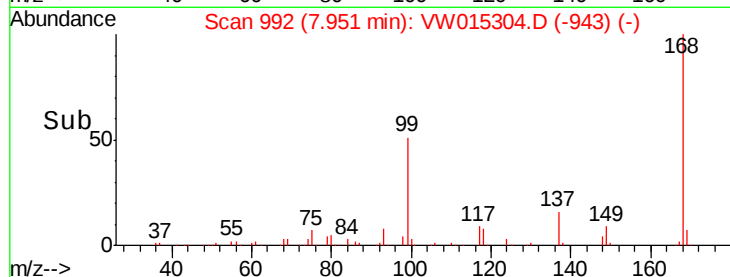
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 5.290 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.00 min

Lab File: VW015304.D

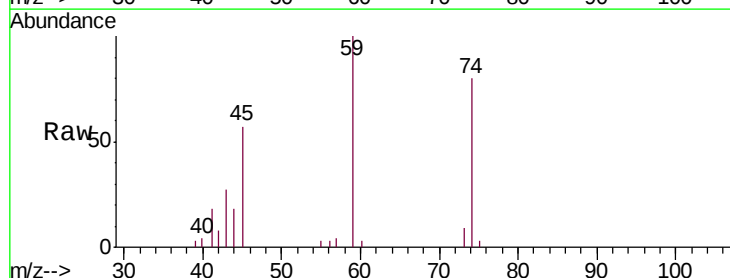
Acq: 22 Apr 2020 13:35

Tgt Ion: 74 Resp: 4395

Ion Ratio Lower Upper

74 100

45 74.2 45.5 136.5



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.69

2000

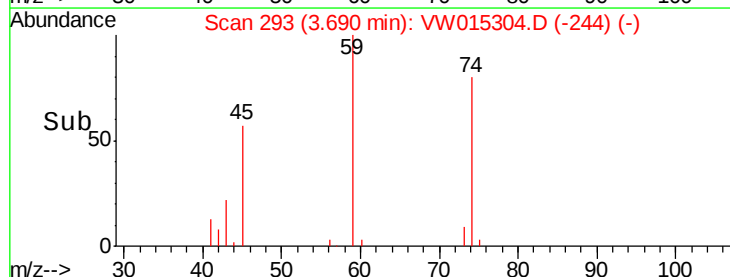
1500

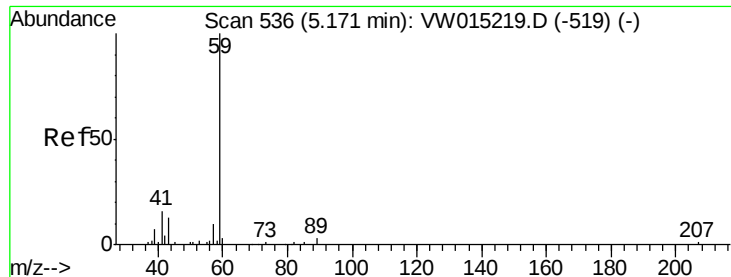
1000

500

0

Time--> 3.60 3.65 3.70 3.75

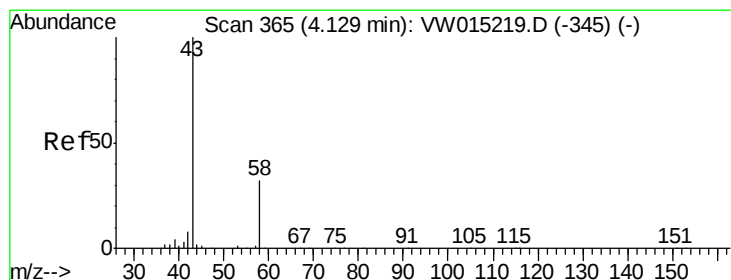
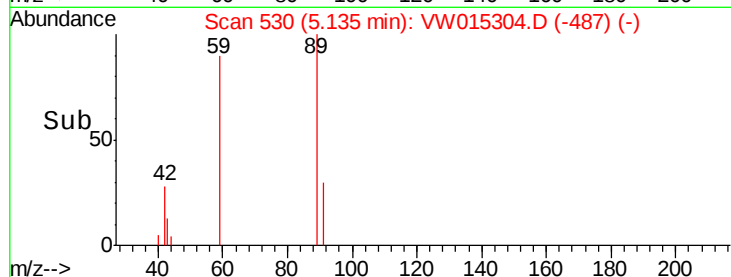
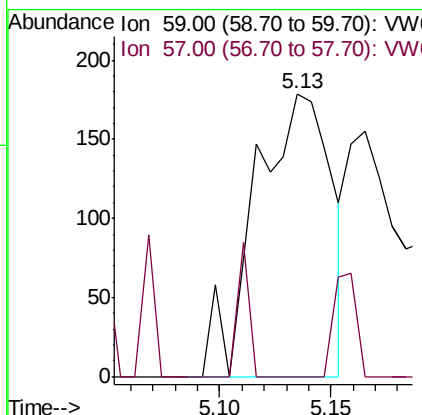
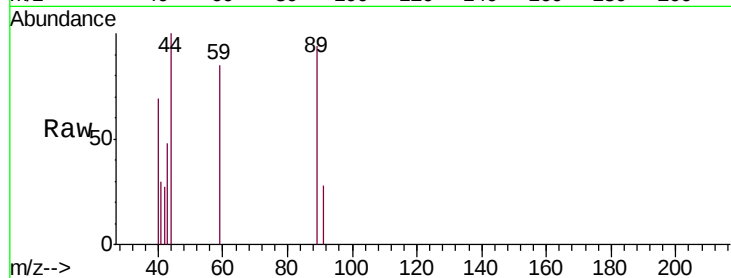




#11
Tert butyl alcohol
Concen: 3.081 ug/l
RT: 5.13 min Scan# 530
Delta R.T. -0.04 min
Lab File: VW015304.D
Acq: 22 Apr 2020 13:35

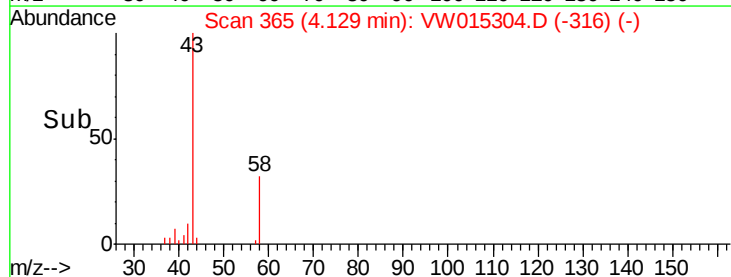
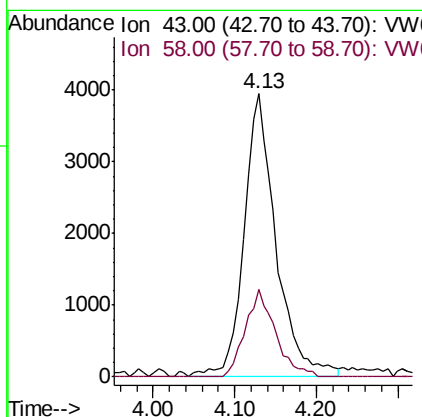
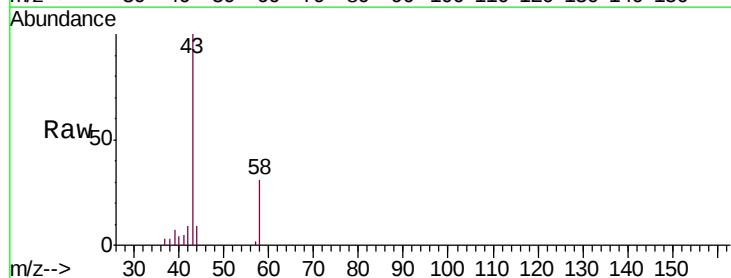
Instrument :
MSVOA_W
ClientSampled :
WC-1A

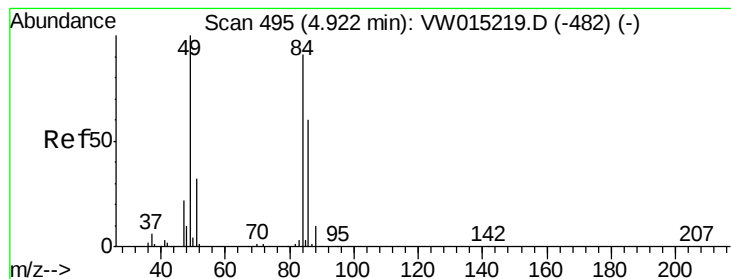
Tgt Ion: 59 Resp: 423
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#16
Acetone
Concen: 36.714 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.00 min
Lab File: VW015304.D
Acq: 22 Apr 2020 13:35

Tgt Ion: 43 Resp: 10802
Ion Ratio Lower Upper
43 100
58 30.9 27.0 40.4





#20

Methylene Chloride

Concen: 2.056 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW015304.D

Acq: 22 Apr 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

WC-1A

Tgt Ion: 84 Resp: 3964

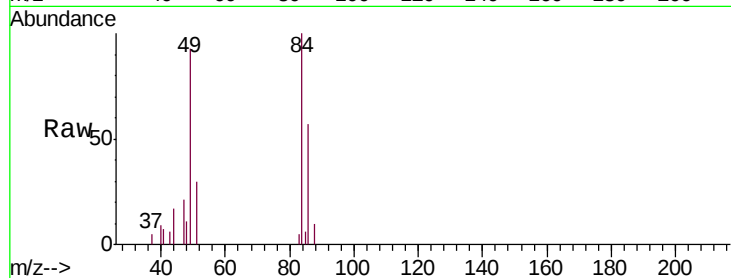
Ion Ratio Lower Upper

84 100

49 93.2 95.4 143.0#

51 29.6 29.8 44.8#

86 57.1 47.4 71.0

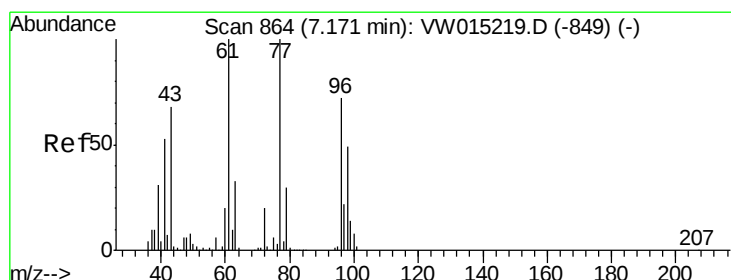
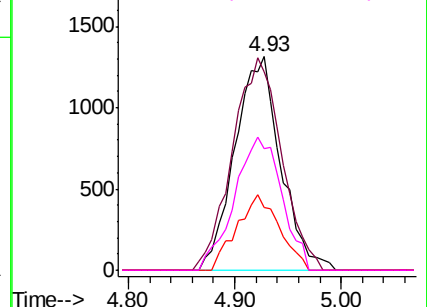
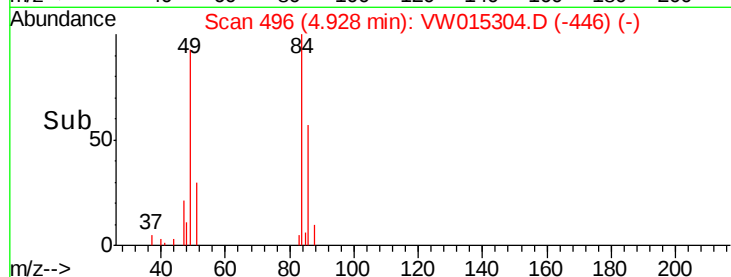


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 2.692 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW015304.D

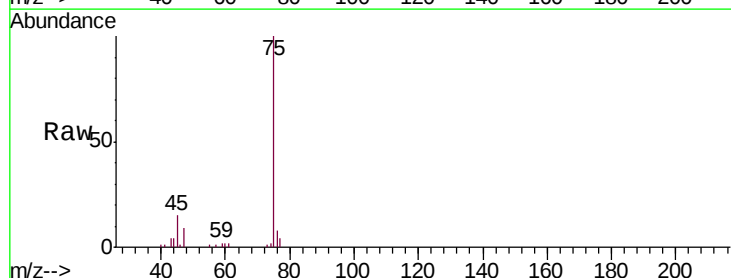
Acq: 22 Apr 2020 13:35

Tgt Ion: 43 Resp: 1051

Ion Ratio Lower Upper

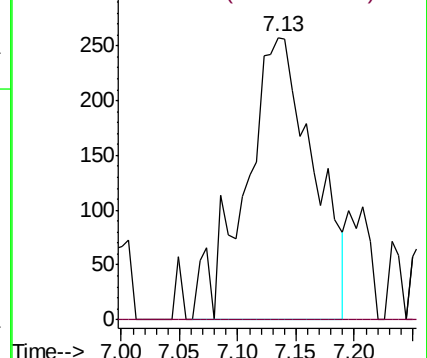
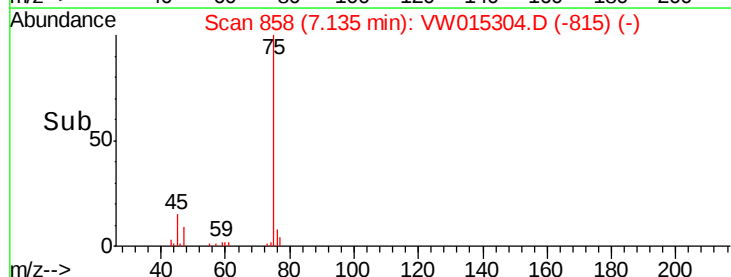
43 100

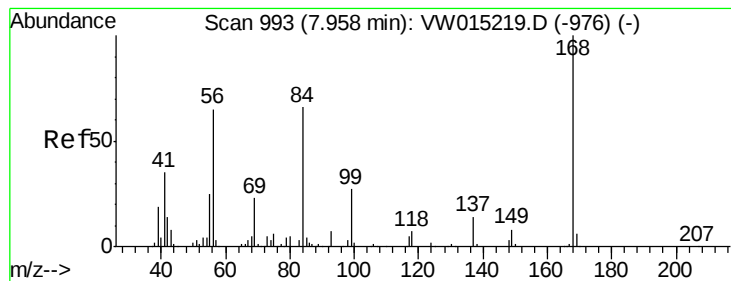
72 0.0 21.6 32.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.200 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015304.D

Acq: 22 Apr 2020 13:35

Instrument :

MSVOA_W

ClientSampled :

WC-1A

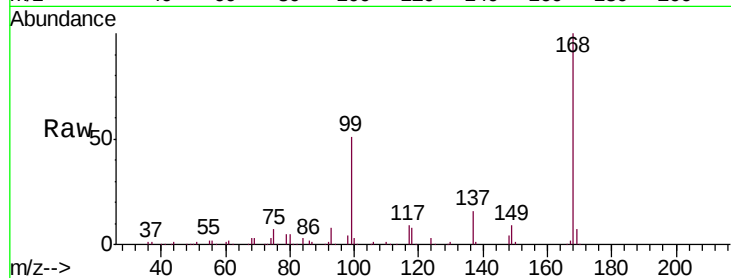
Tgt Ion: 56 Resp: 3737

Ion Ratio Lower Upper

56 100

69 160.9 27.1 40.7#

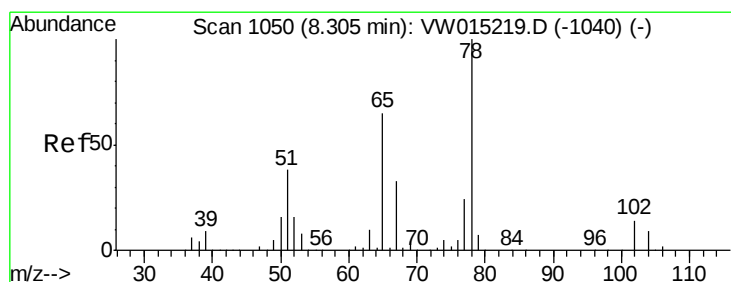
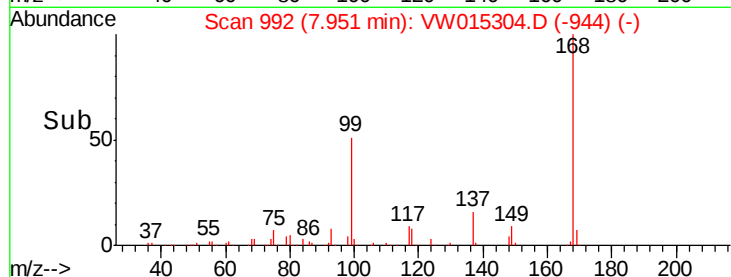
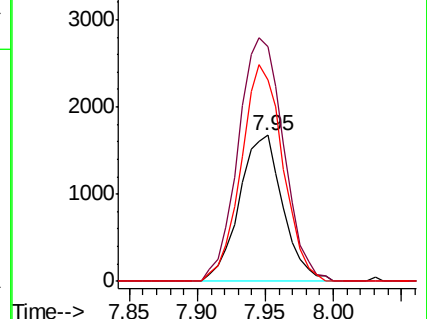
84 138.0 71.9 107.9#



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: 47.971 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015304.D

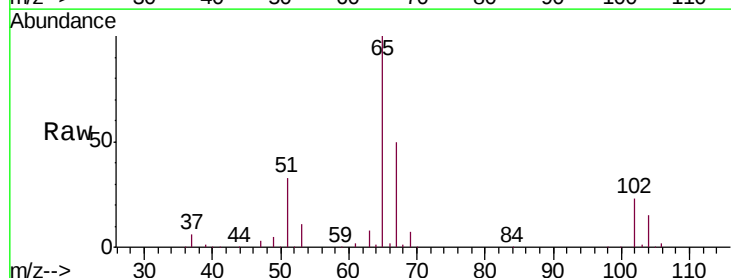
Acq: 22 Apr 2020 13:35

Tgt Ion: 65 Resp: 80808

Ion Ratio Lower Upper

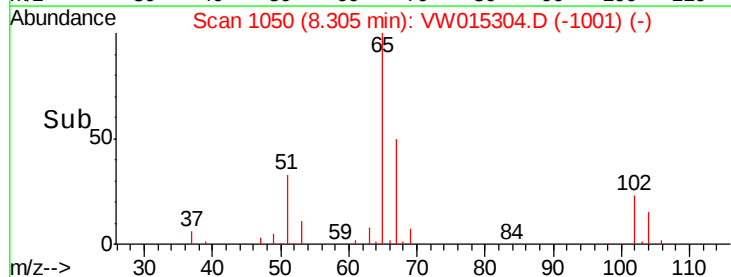
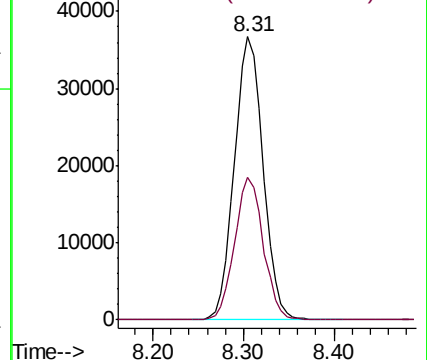
65 100

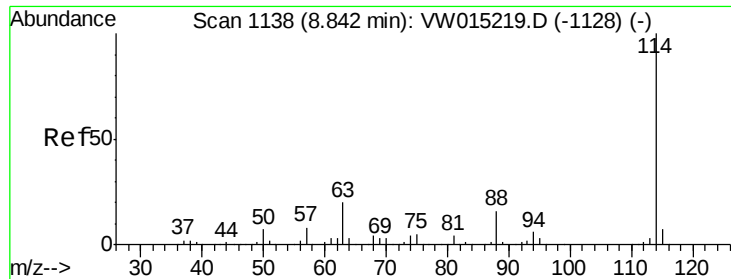
67 50.3 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

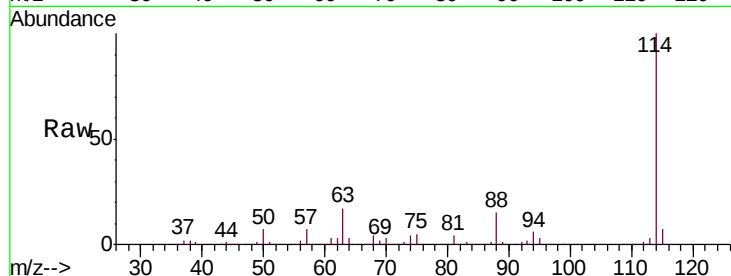




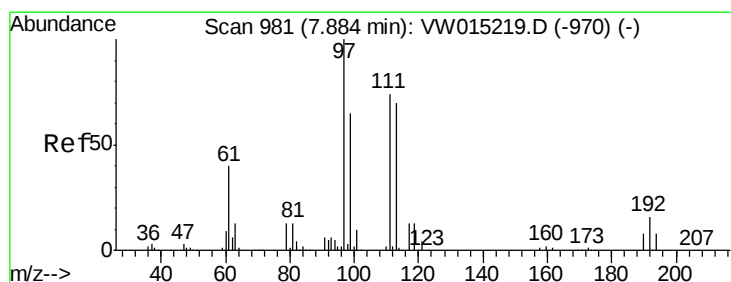
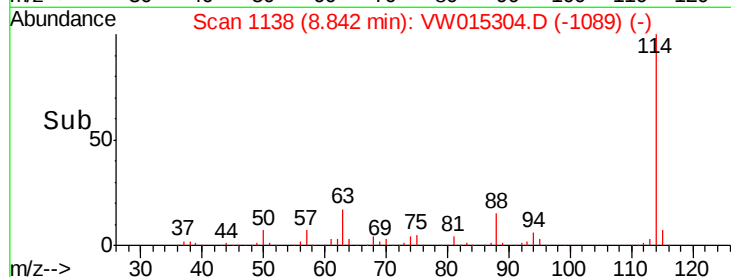
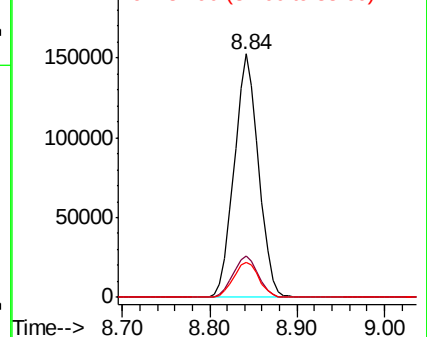
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015304.D
 Acq: 22 Apr 2020 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-1A

Tgt Ion:114 Resp: 294453
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 39.8
 88 14.6 0.0 30.2

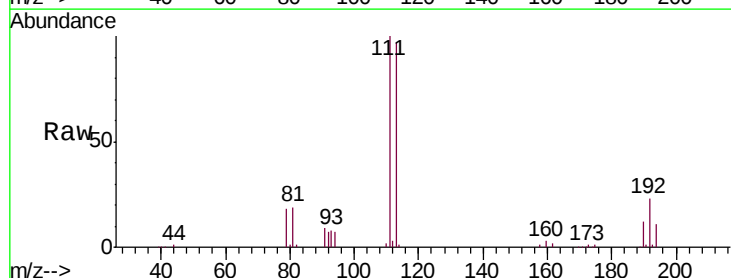


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

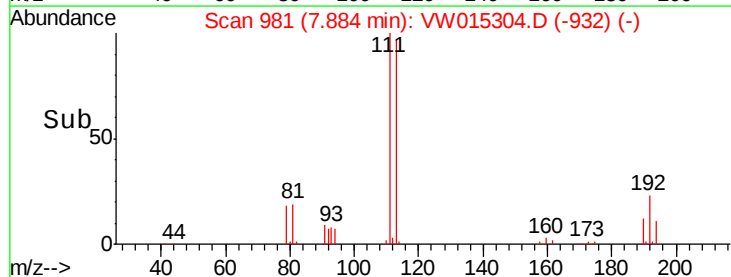
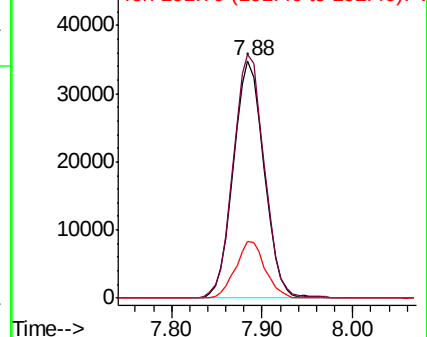


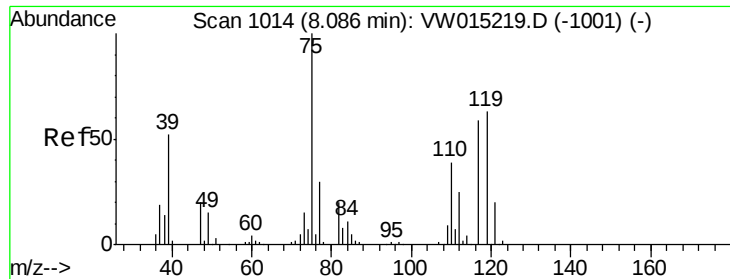
#35
 Dibromofluoromethane
 Concen: 50.191 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015304.D
 Acq: 22 Apr 2020 13:35

Tgt Ion:113 Resp: 81863
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.0 124.4
 192 23.0 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

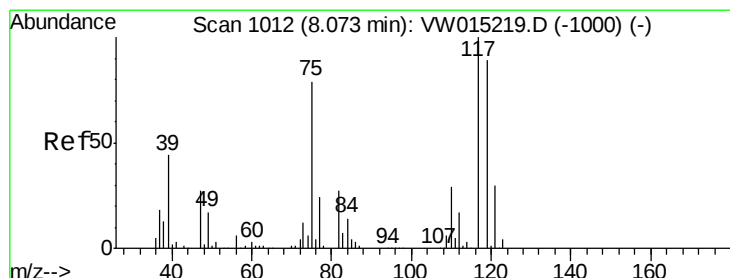
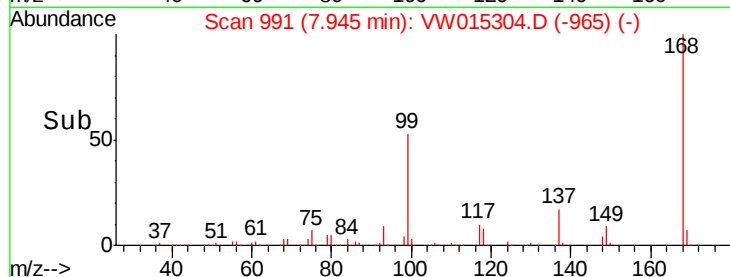
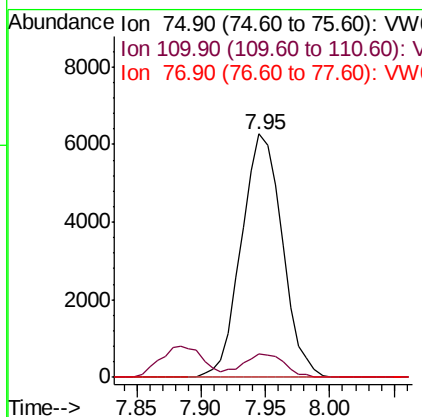
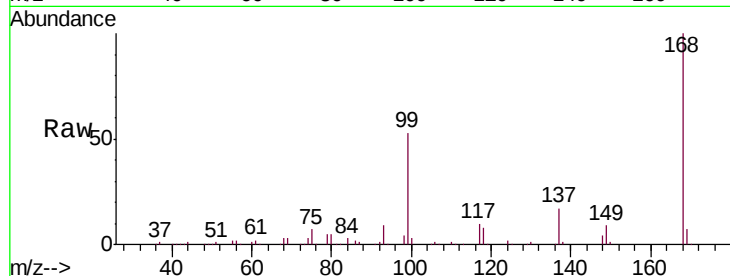




#36
 1,1-Dichloropropene
 Concen: 5.184 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW015304.D
 Acq: 22 Apr 2020 13:35

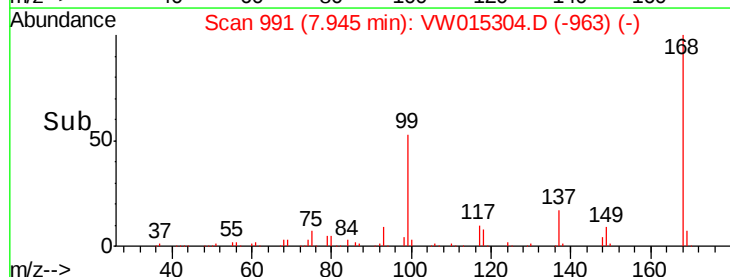
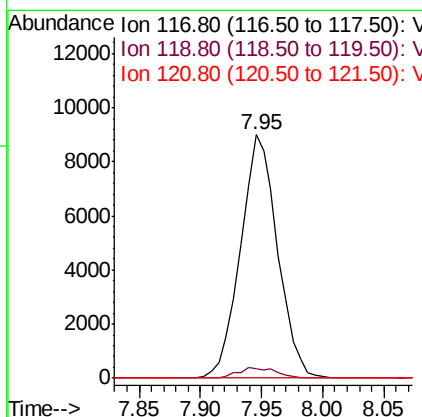
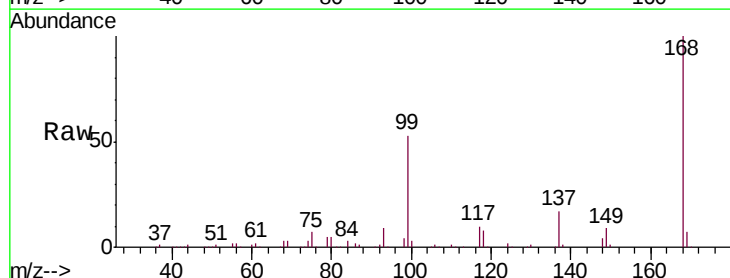
Instrument :
 MSVOA_W
 ClientSampleId :
 WC-1A

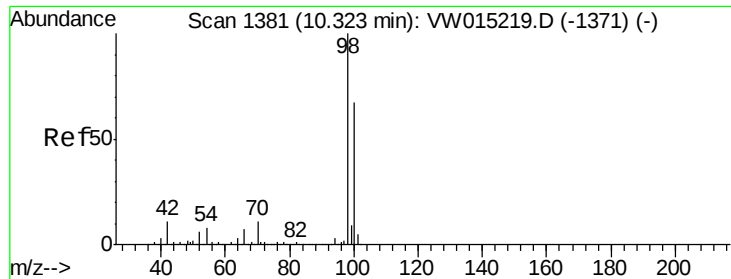
Tgt Ion: 75 Resp: 13777
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.2 54.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 6.504 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW015304.D
 Acq: 22 Apr 2020 13:35

Tgt Ion: 117 Resp: 18890
 Ion Ratio Lower Upper
 117 100
 119 4.1 72.3 108.5#
 121 0.0 23.7 35.5#





#50

Toluene-d8

Concen: 51.671 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015304.D

Acq: 22 Apr 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

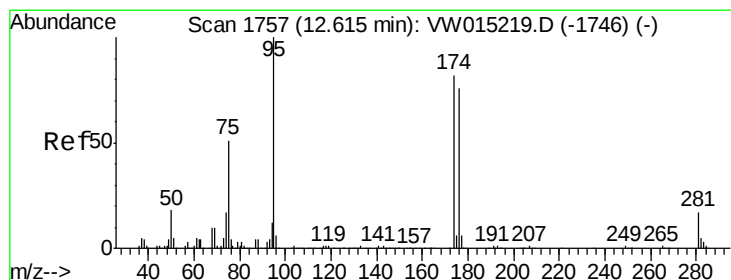
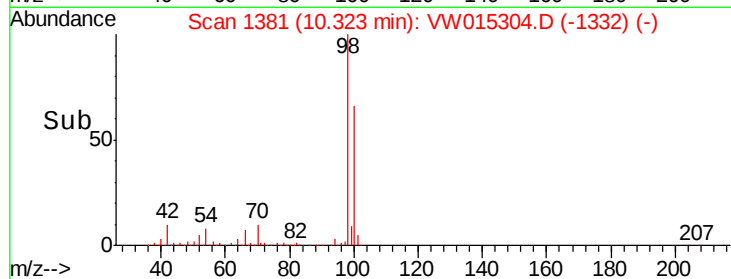
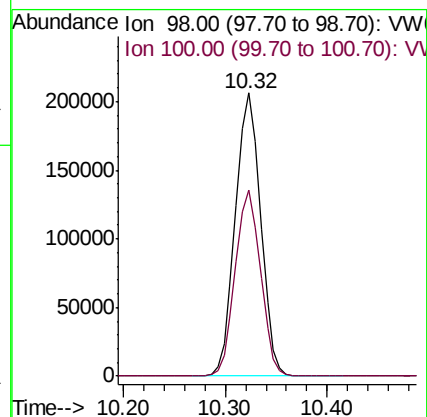
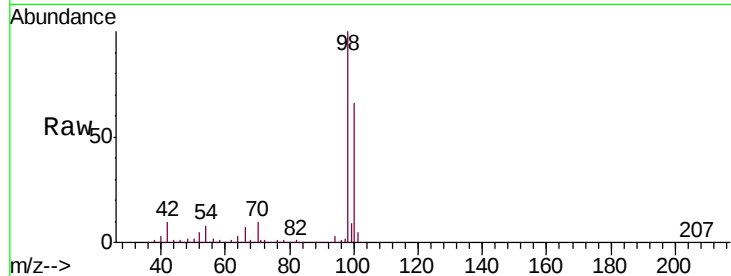
WC-1A

Tgt Ion: 98 Resp: 354527

Ion Ratio Lower Upper

98 100

100 65.6 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 45.310 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015304.D

Acq: 22 Apr 2020 13:35

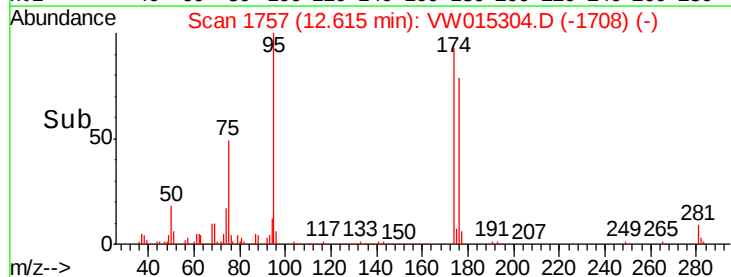
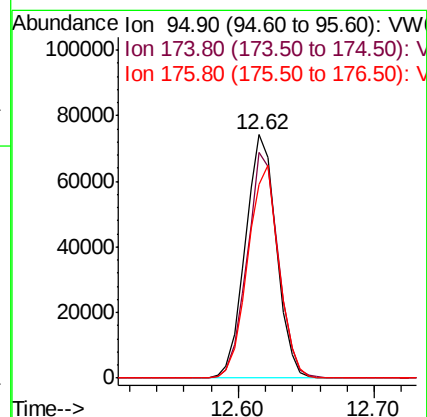
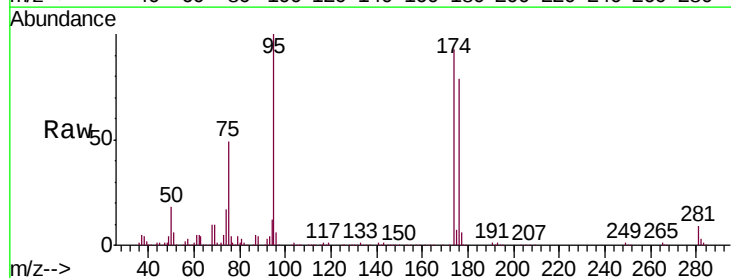
Tgt Ion: 95 Resp: 118616

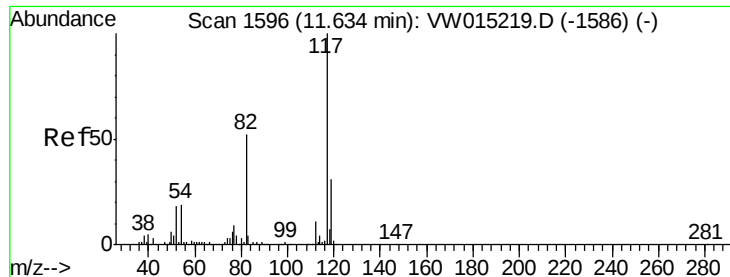
Ion Ratio Lower Upper

95 100

174 92.7 0.0 144.4

176 87.6 0.0 140.6

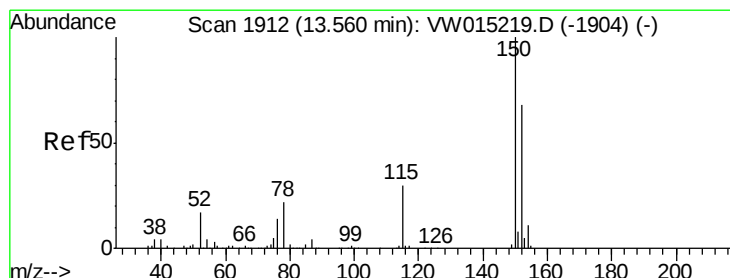
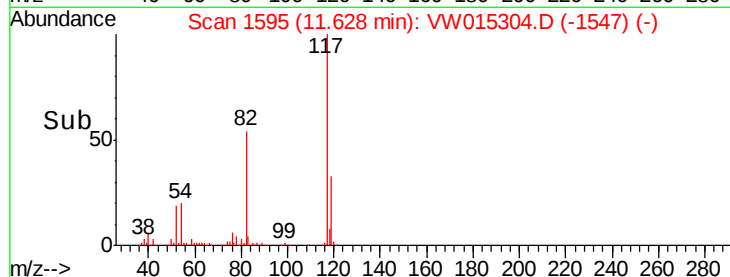
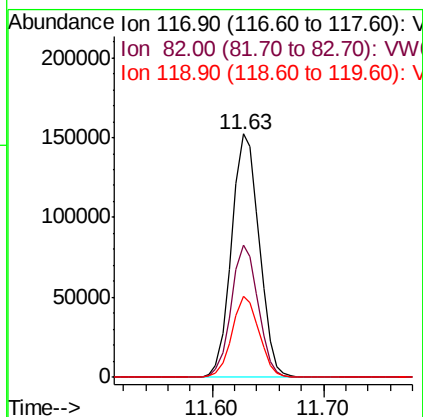
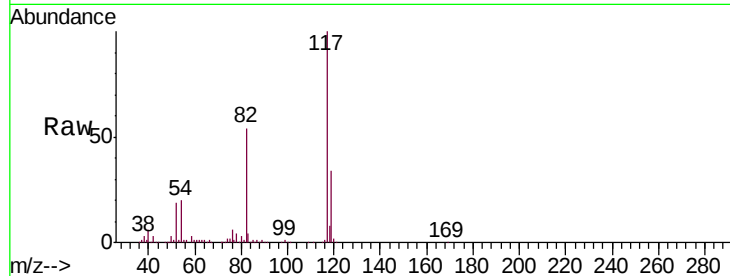




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015304.D
Acq: 22 Apr 2020 13:35

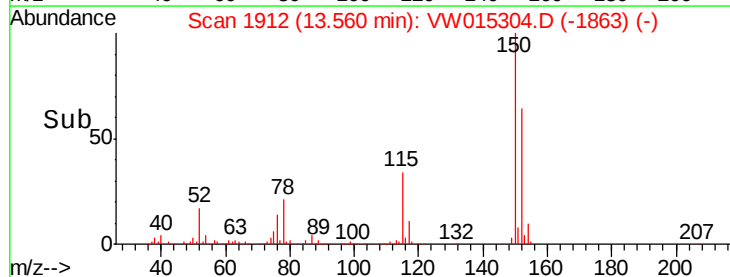
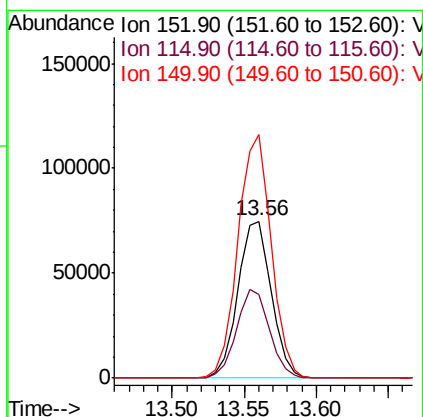
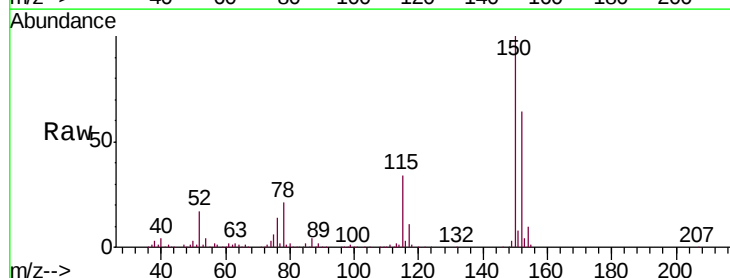
Instrument :
MSVOA_W
ClientSampleId :
WC-1A

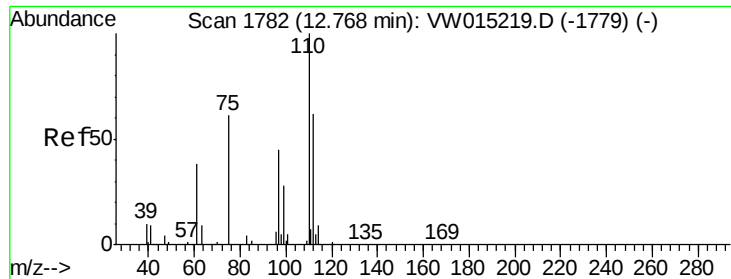
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.1	66.1
119	33.5	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015304.D
Acq: 22 Apr 2020 13:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	31.3	93.9
150	154.2	0.0	343.4





#76

1,2,3-Trichloropropane

Concen: 63.508 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015304.D

Acq: 22 Apr 2020 13:35

Instrument :

MSVOA_W

ClientSampled :

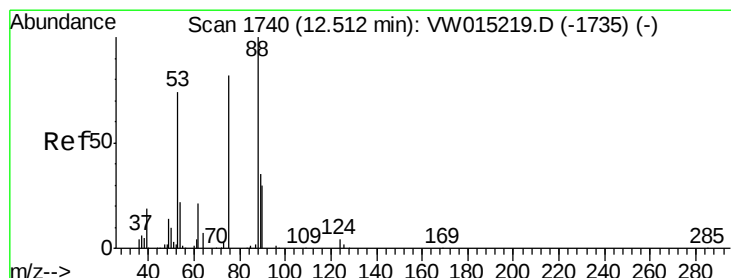
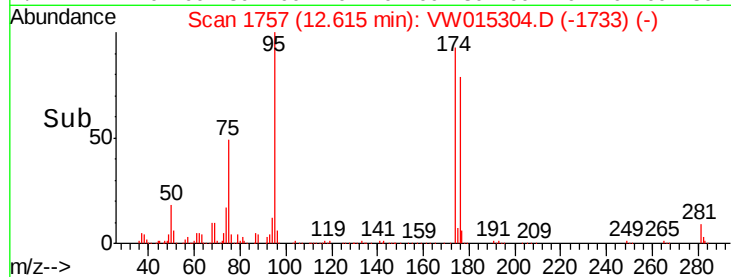
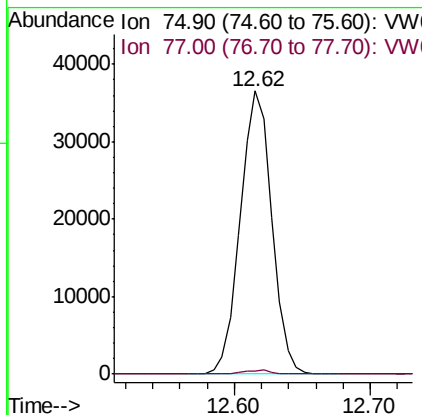
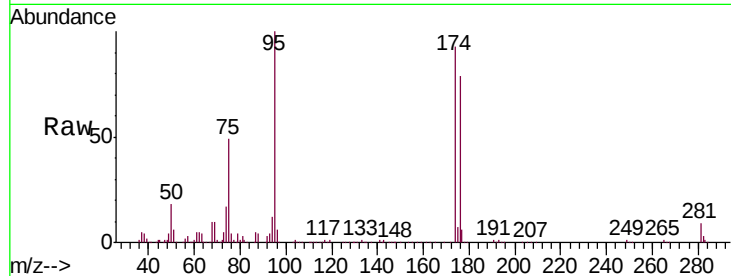
WC-1A

Tgt Ion: 75 Resp: 59167

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.829 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015304.D

Acq: 22 Apr 2020 13:35

Tgt Ion: 75 Resp: 59167

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.0 34.8 52.2#

