

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015245.D
 Acq On : 21 Apr 2020 00:44
 Operator : SY/VA
 Sample : L2304-15
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-F2-VOA

Quant Time: Apr 21 07:00:46 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	133603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	185567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	164939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	73563	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	52879	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
35) Dibromofluoromethane	7.89	113	14373	13.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.96%	
50) Toluene-d8	10.32	98	223436	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.62	95	73251	44.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.80%	

Target Compounds

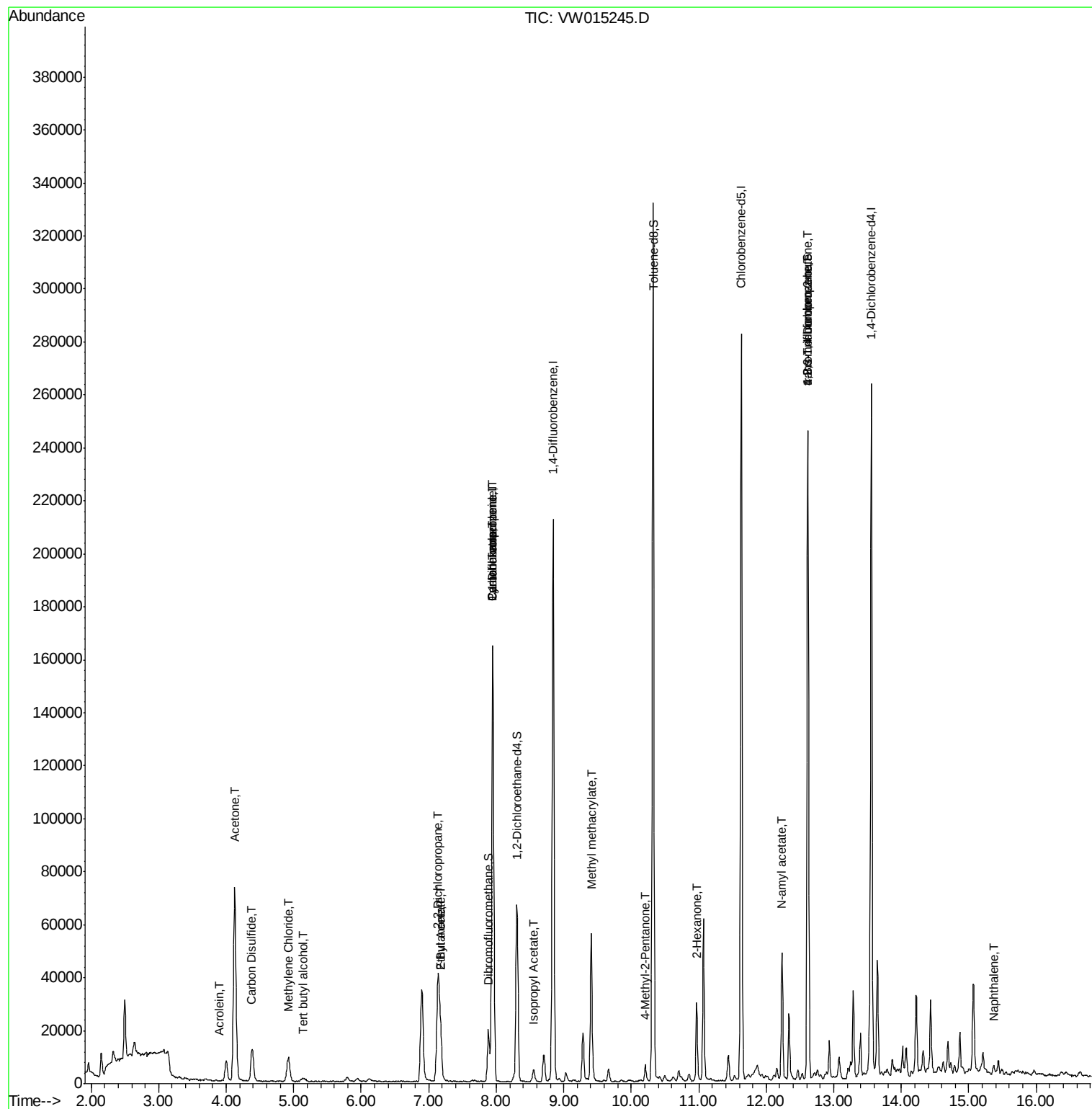
						Qvalue
11) Tert butyl alcohol	5.14	59	892	10.016	ug/l #	83
13) Acrolein	3.90	56	80	1.716	ug/l	86
16) Acetone	4.12	43	125514	657.746	ug/l	99
17) Carbon Disulfide	4.38	76	23125	6.829	ug/l #	94
20) Methylene Chloride	4.93	84	7790	6.229	ug/l	85
25) 2-Butanone	7.18	43	28284	111.718	ug/l	92
26) 2,2-Dichloropropane	7.14	77	2904	1.373	ug/l #	52
31) Cyclohexane	7.95	56	2638	1.306	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	8767	5.234	ug/l #	50
37) Ethyl Acetate	7.18	43	28284	52.035	ug/l #	67
38) Carbon Tetrachloride	7.95	117	11756	6.423	ug/l #	18
43) Isopropyl Acetate	8.56	43	1416	1.242	ug/l #	50
48) Methyl methacrylate	9.41	41	14846	27.547	ug/l #	39
51) 4-Methyl-2-Pentanone	10.21	43	4039	7.547	ug/l	97
59) 2-Hexanone	10.97	43	18336	47.998	ug/l	98
74) N-amyl acetate	12.23	43	27087	30.526	ug/l #	46
76) 1,2,3-Trichloropropane	12.62	75	37196	65.361	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	37196	142.879	ug/l #	15
95) Naphthalene	15.36	128	2771	1.225	ug/l #	94

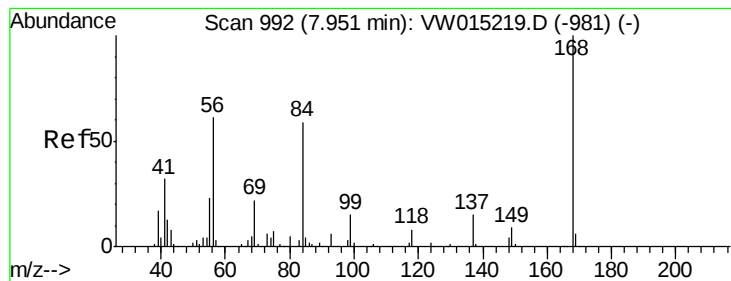
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 21 06:39:58 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015245.D

Acq: 21 Apr 2020 00:44

Instrument :

MSVOA_W

ClientSampleId :

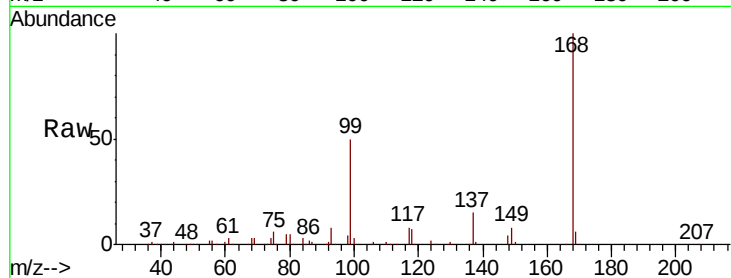
WC-F2-VOA

Tot Ion:168 Resp: 133603

Ion Ratio Lower Upper

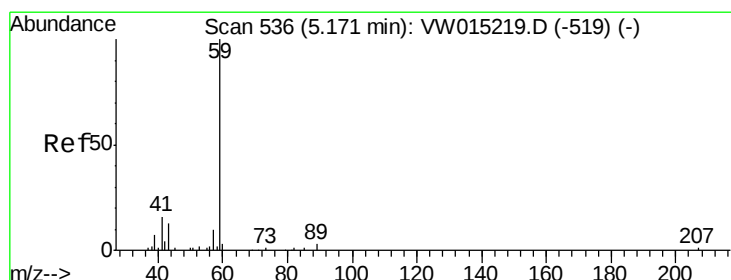
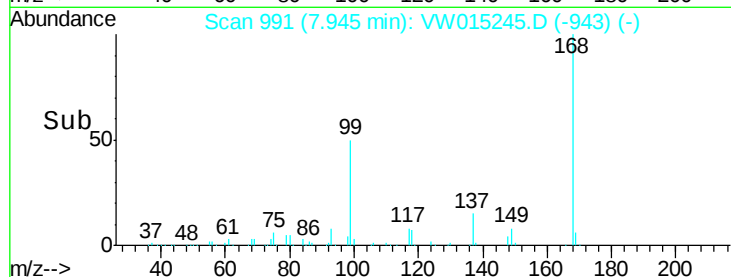
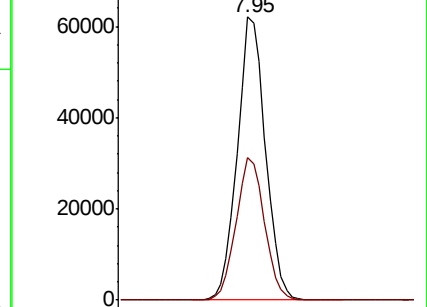
168 100

99 50.2 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 10.016 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.03 min

Lab File: VW015245.D

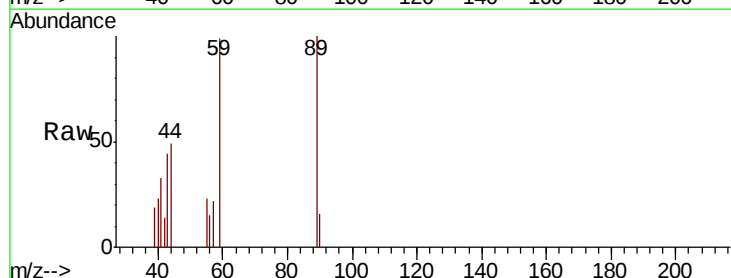
Acq: 21 Apr 2020 00:44

Tgt Ion: 59 Resp: 892

Ion Ratio Lower Upper

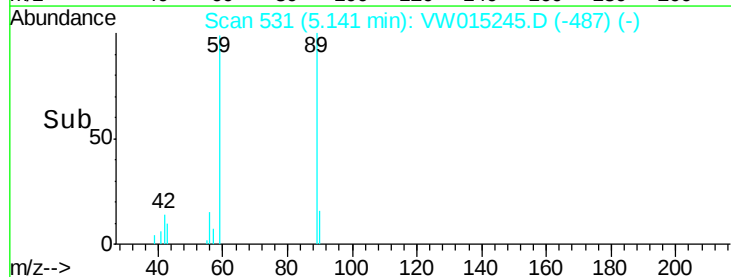
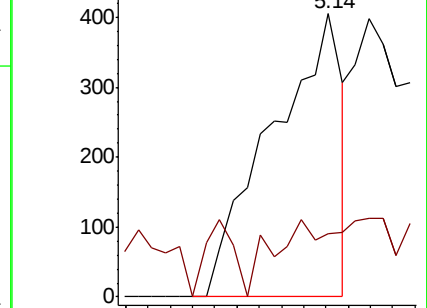
59 100

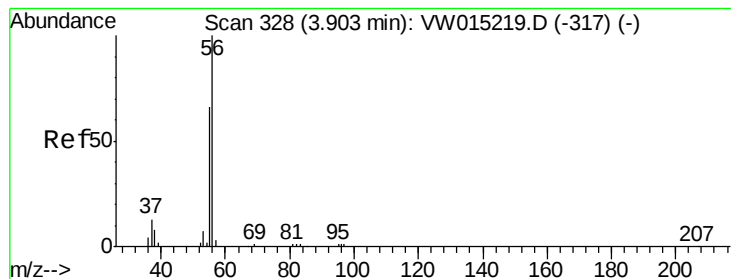
57 16.8 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.716 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW015245.D

Acq: 21 Apr 2020 00:44

Instrument :

MSVOA_W

ClientSampled :

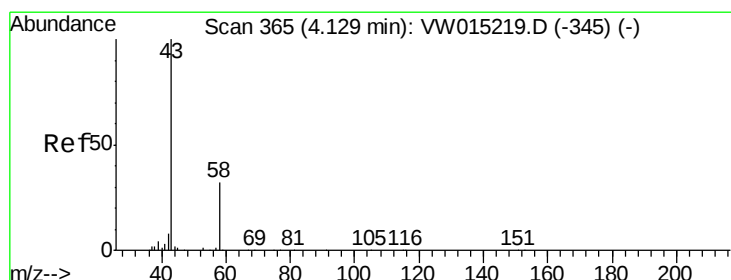
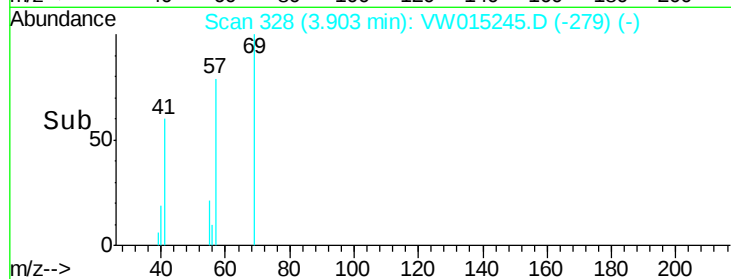
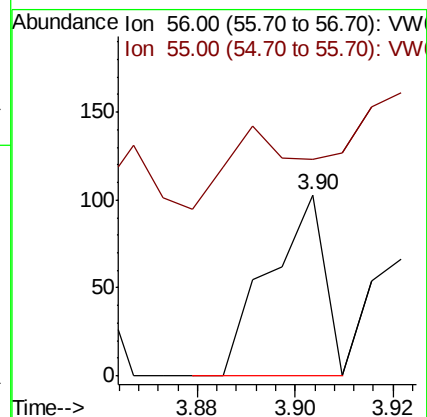
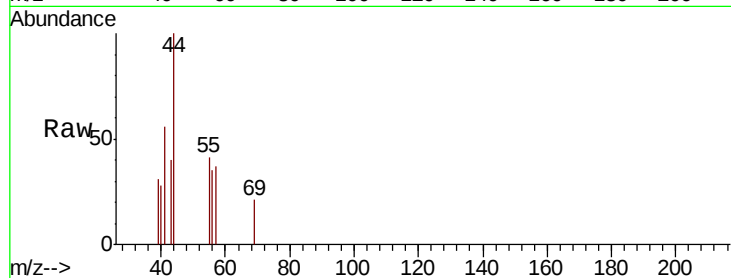
WC-F2-VOA

Tot Ion: 56 Resp: 80

Ion Ratio Lower Upper

56 100

55 58.8 56.2 84.2



#16

Acetone

Concen: 657.746 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015245.D

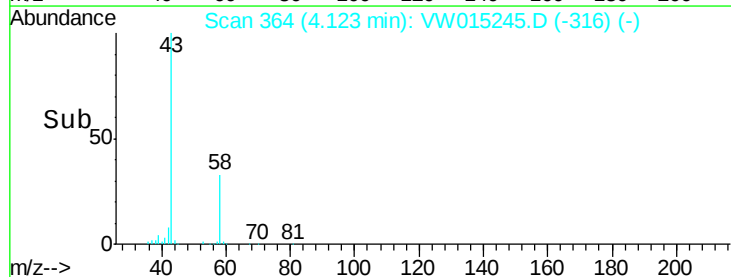
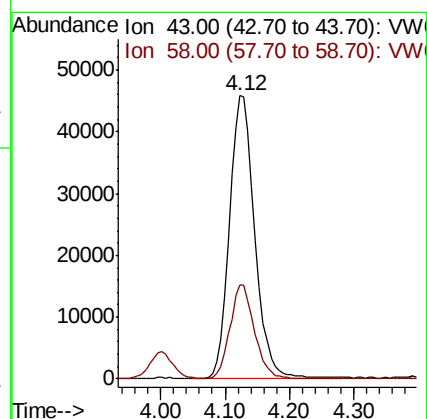
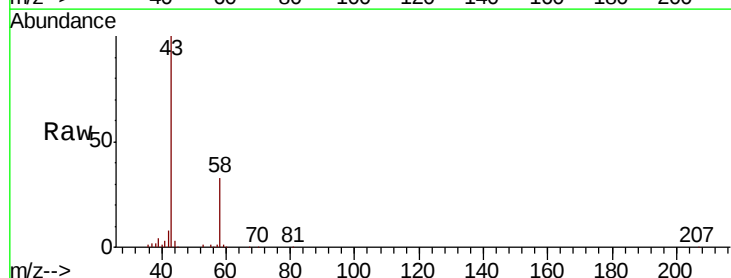
Acq: 21 Apr 2020 00:44

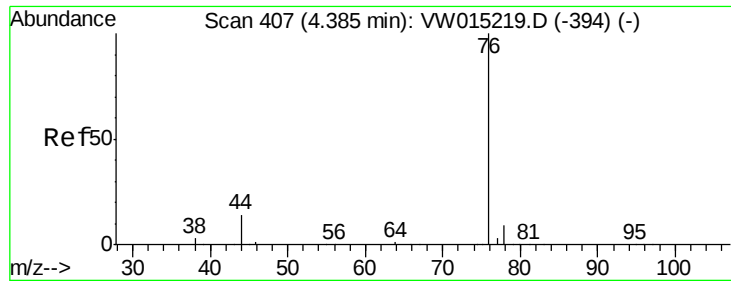
Tgt Ion: 43 Resp: 125514

Ion Ratio Lower Upper

43 100

58 33.1 27.0 40.4

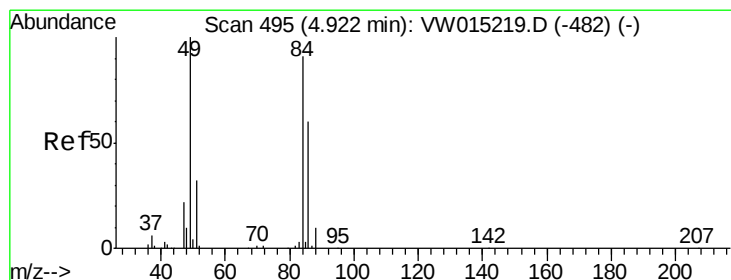
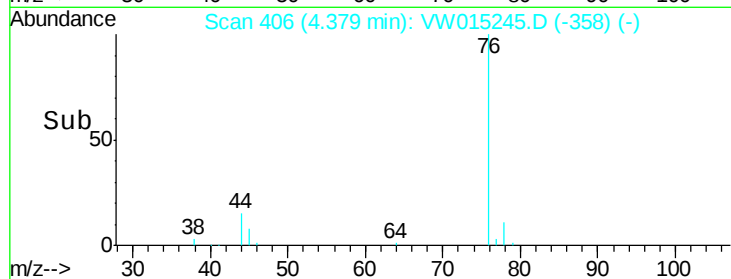
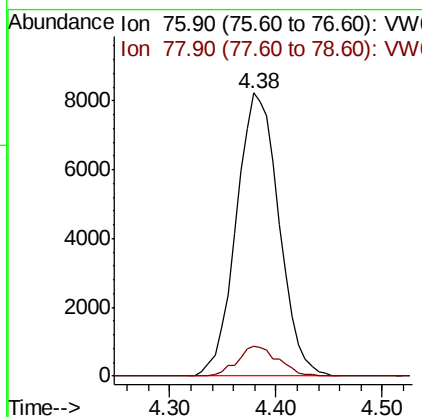
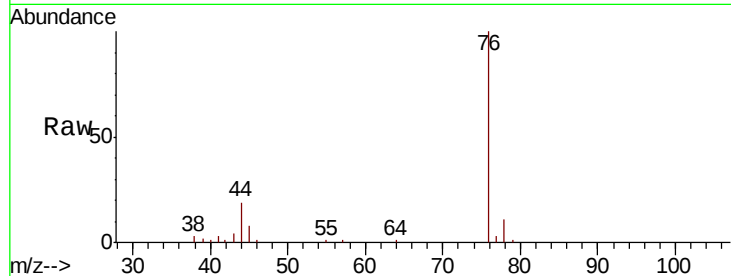




#17
Carbon Disulfide
Concen: 6.829 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW015245.D
Acq: 21 Apr 2020 00:44

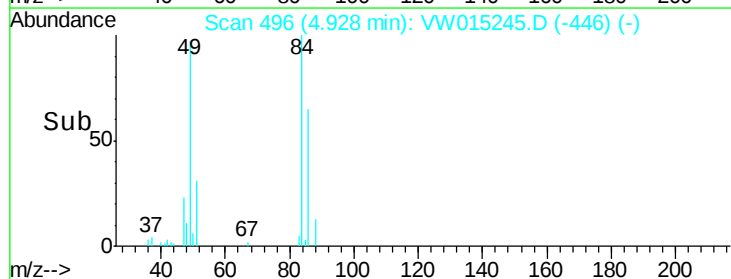
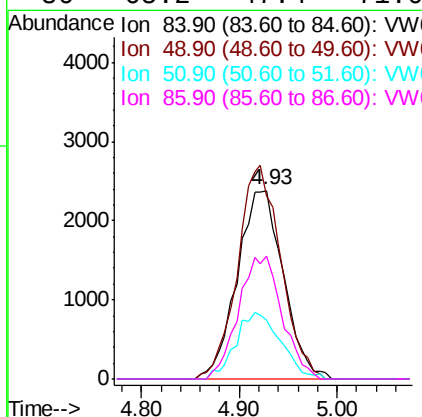
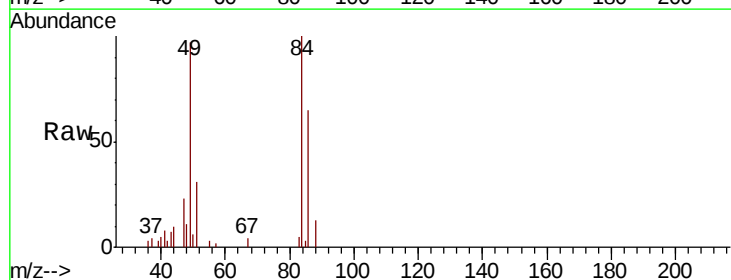
Instrument :
MSVOA_W
ClientSampleId :
WC-F2-VOA

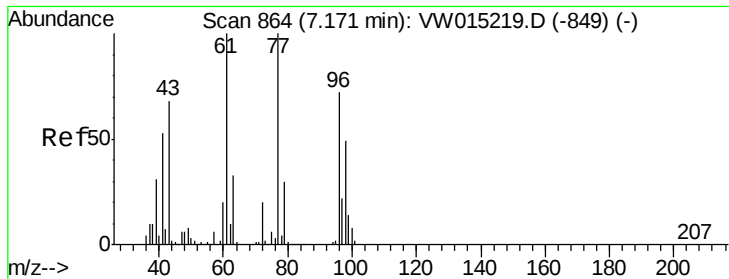
Tot Ion: 76 Resp: 23125
Ion Ratio Lower Upper
76 100
78 10.8 7.0 10.6#



#20
Methylene Chloride
Concen: 6.229 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW015245.D
Acq: 21 Apr 2020 00:44

Tgt Ion: 84 Resp: 7790
Ion Ratio Lower Upper
84 100
49 97.2 95.4 143.0
51 31.4 29.8 44.8
86 65.2 47.4 71.0





#25

2-Butanone

Concen: 111.718 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015245.D

Acq: 21 Apr 2020 00:44

Instrument :

MSVOA_W

ClientSampleId :

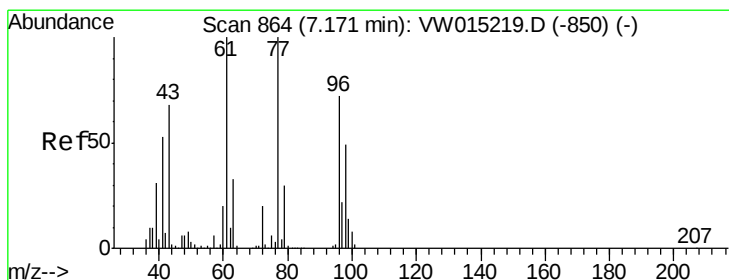
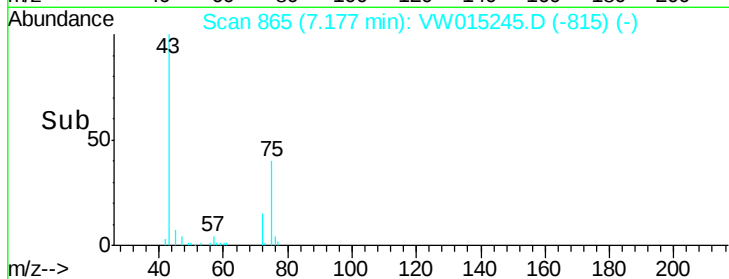
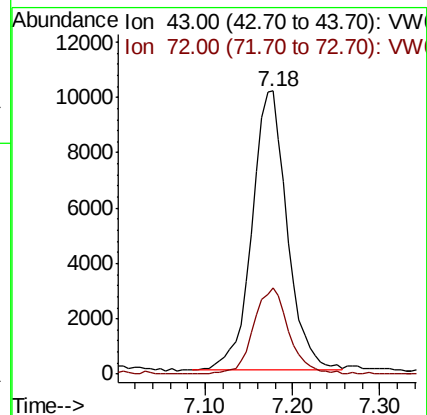
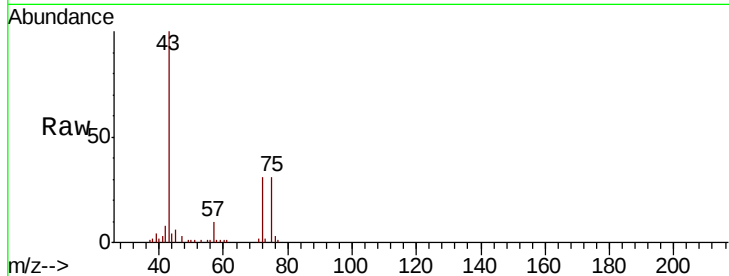
WC-F2-VOA

Tot Ion: 43 Resp: 28284

Ion Ratio Lower Upper

43 100

72 31.0 21.6 32.4



#26

2,2-Dichloropropane

Concen: 1.373 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW015245.D

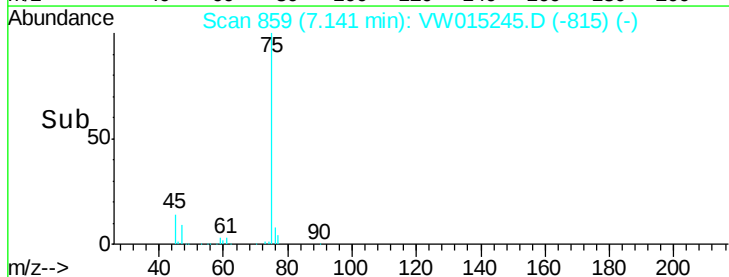
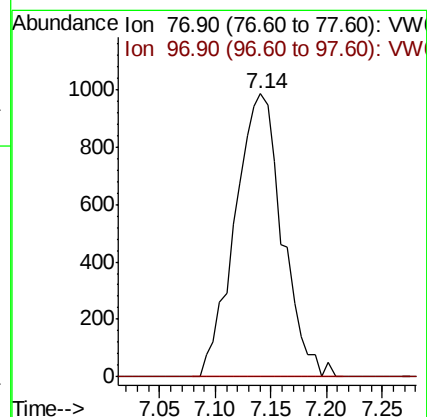
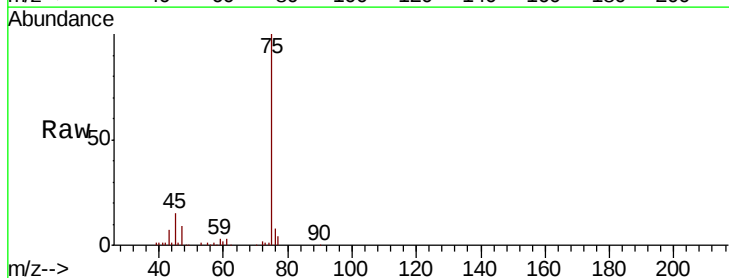
Acq: 21 Apr 2020 00:44

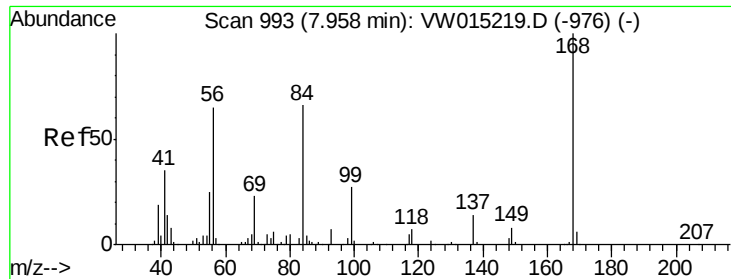
Tgt Ion: 77 Resp: 2904

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.5#

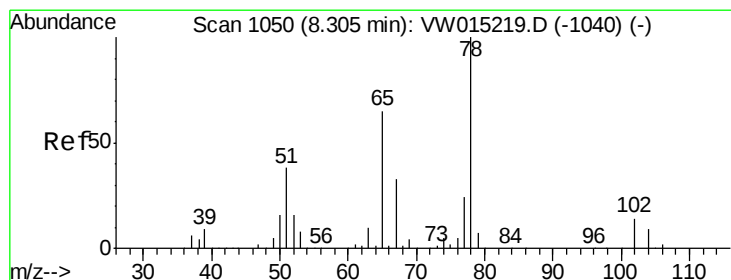
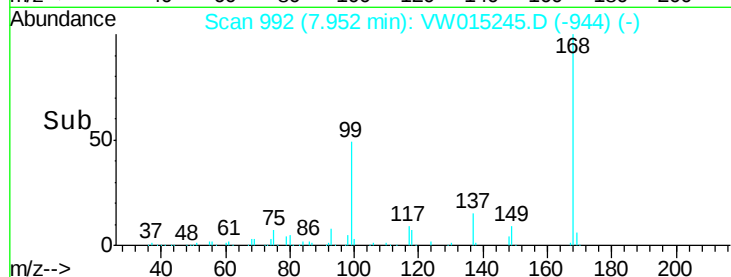
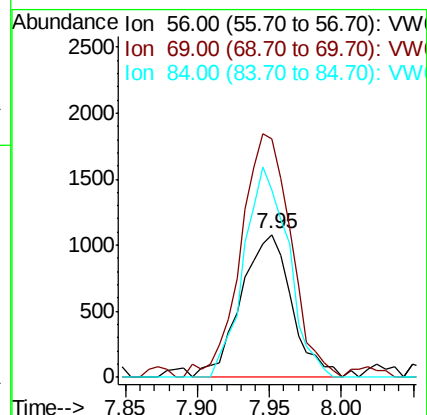
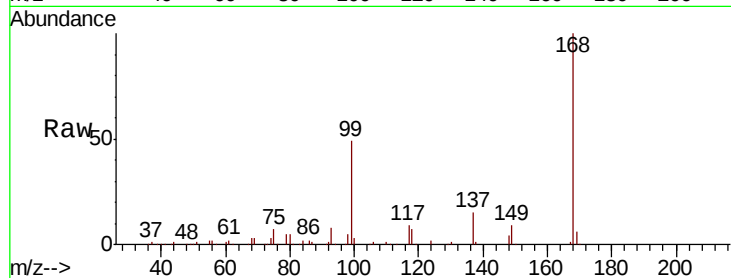




#31
Cyclohexane
Concen: 1.306 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015245.D
Acq: 21 Apr 2020 00:44

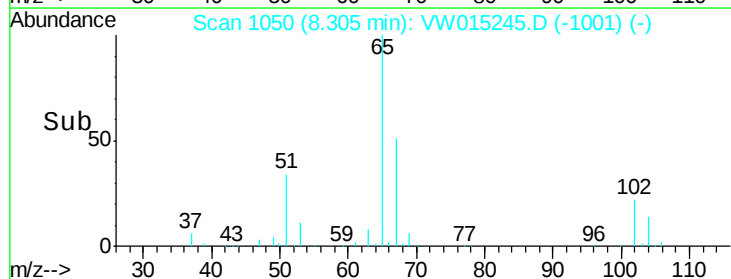
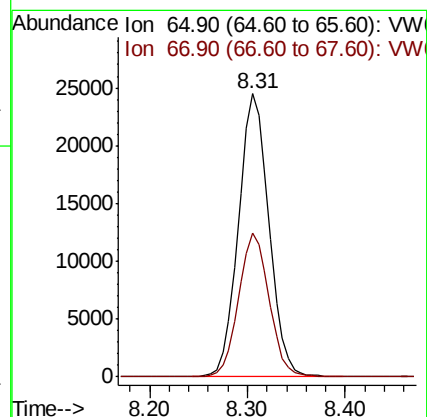
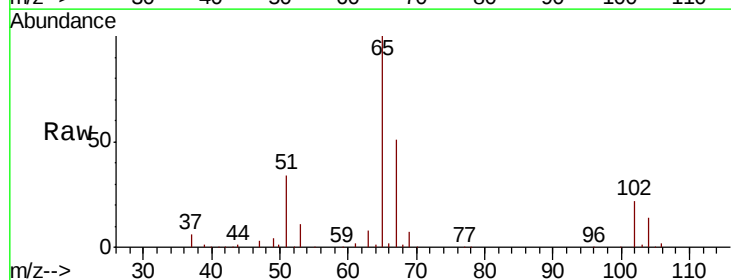
Instrument :
MSVOA_W
ClientSampleId :
WC-F2-VOA

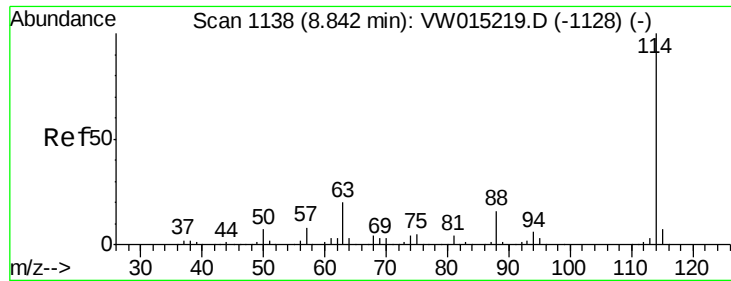
Tot Ion: 56 Resp: 2638
Ion Ratio Lower Upper
56 100
69 166.8 27.1 40.7#
84 131.1 71.9 107.9#



#33
1,2-Dichloroethane-d4
Concen: 48.400 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW015245.D
Acq: 21 Apr 2020 00:44

Tgt Ion: 65 Resp: 52879
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: VW015245.D

Acq: 21 Apr 2020 00:44

Instrument :

MSVOA_W

ClientSampleId :

WC-F2-VOA

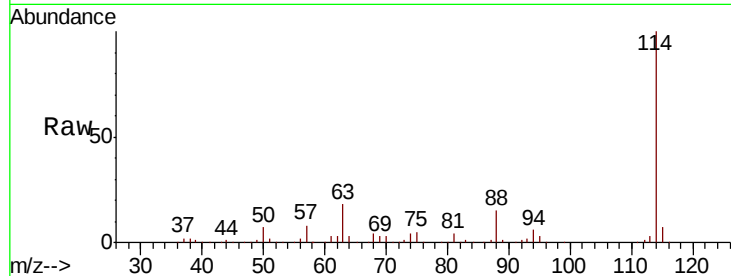
Tot Ion:114 Resp: 185567

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.8

88 15.4 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

8.84

120000

100000

80000

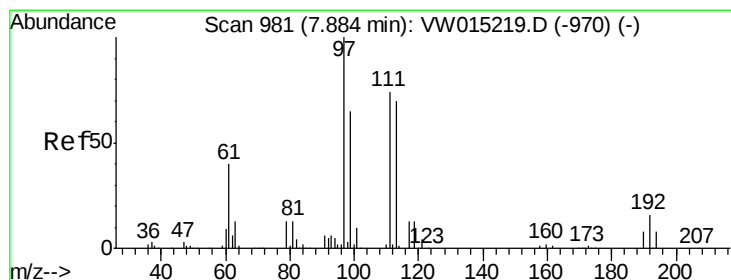
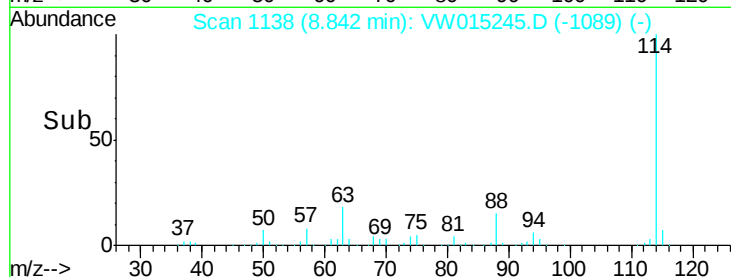
60000

40000

20000

0

Time--> 8.70 8.80 8.90 9.00



#35

Dibromofluoromethane

Concen: 13.983 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW015245.D

Acq: 21 Apr 2020 00:44

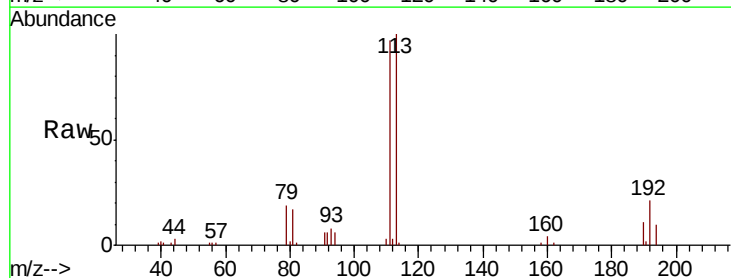
Tgt Ion:113 Resp: 14373

Ion Ratio Lower Upper

113 100

111 101.8 83.0 124.4

192 22.5 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

7.89

8000

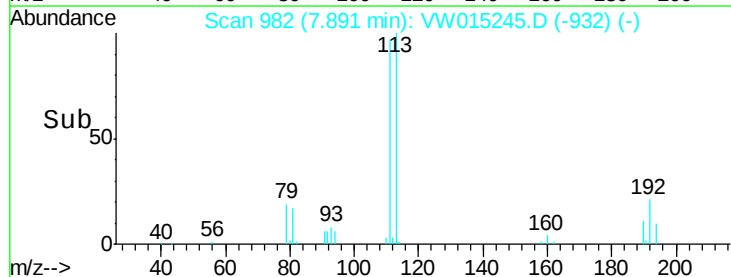
6000

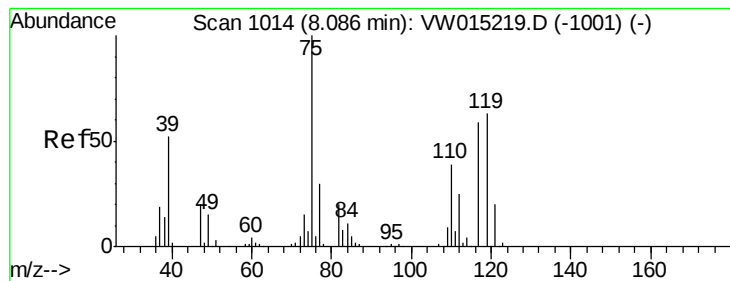
4000

2000

0

Time--> 7.80 7.90 8.00





#36

1,1-Dichloropropene

Concen: 5.234 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW015245.D

Acq: 21 Apr 2020 00:44

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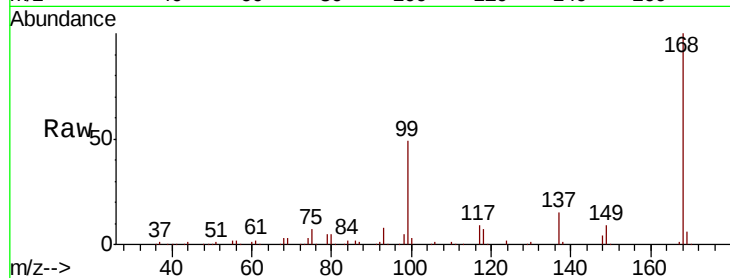
Tot Ion: 75 Resp: 8767

Ion Ratio Lower Upper

75 100

110 10.3 18.2 54.6#

77 0.0 24.5 36.7#

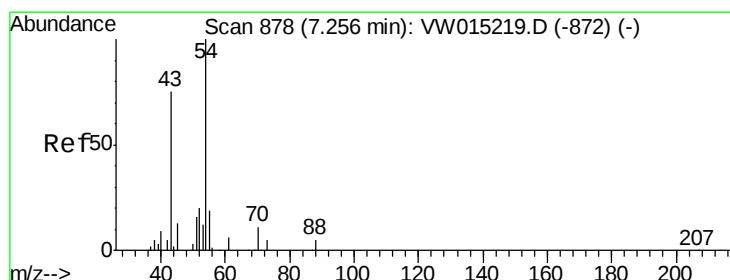
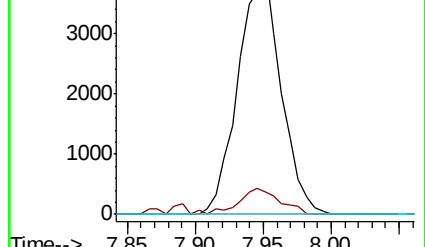
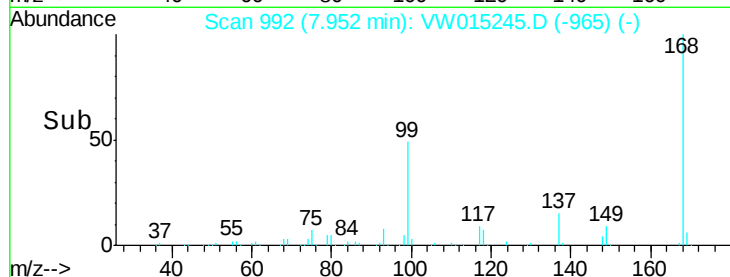


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW

Time-->



#37

Ethyl Acetate

Concen: 52.035 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.08 min

Lab File: VW015245.D

Acq: 21 Apr 2020 00:44

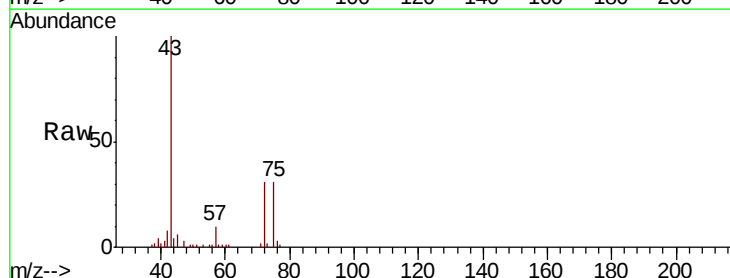
Tgt Ion: 43 Resp: 28284

Ion Ratio Lower Upper

43 100

61 0.0 11.9 17.9#

70 0.0 8.8 13.2#

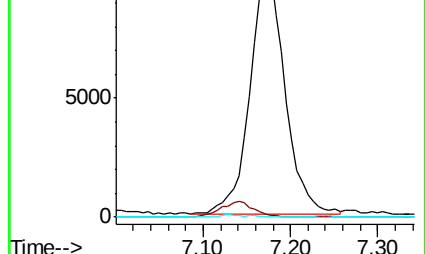
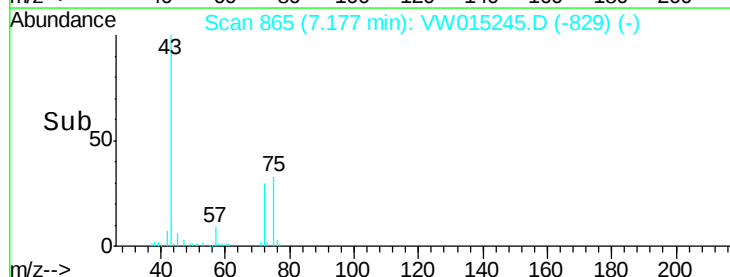


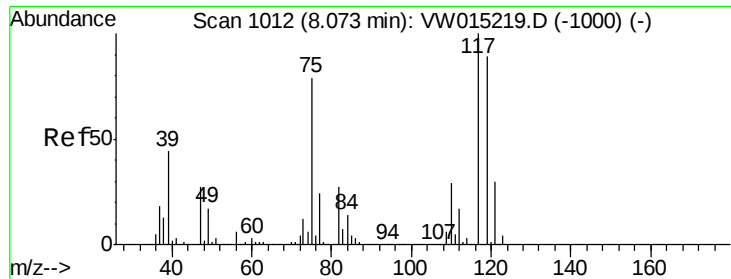
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

Time-->

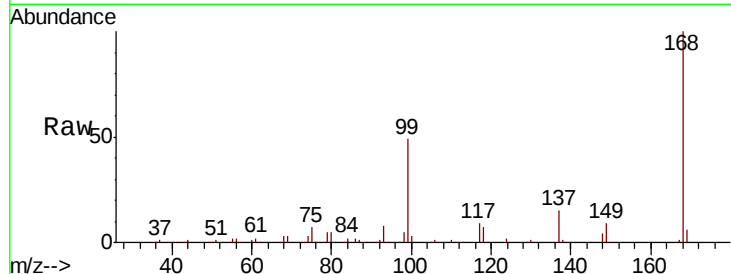




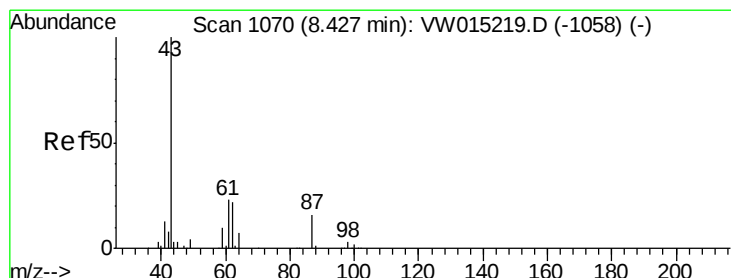
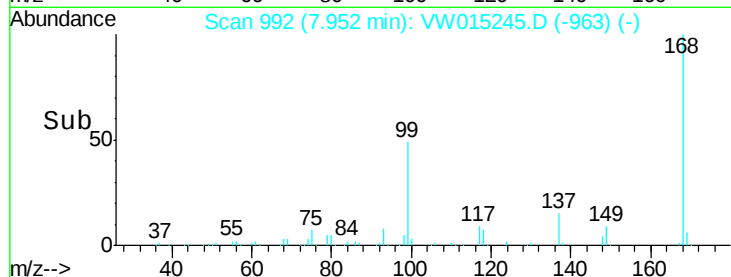
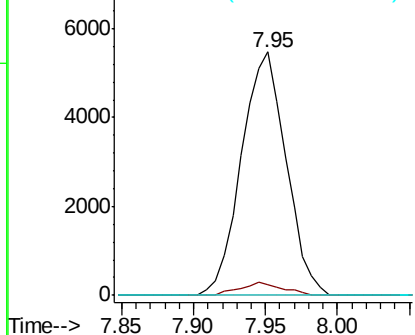
#38
Carbon Tetrachloride
Concen: 6.423 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW015245.D
Acq: 21 Apr 2020 00:44

Instrument :
MSVOA_W
ClientSampleId :
WC-F2-VOA

Tot Ion:117 Resp: 11756
Ion Ratio Lower Upper
117 100
119 4.4 72.3 108.5#
121 0.0 23.7 35.5#

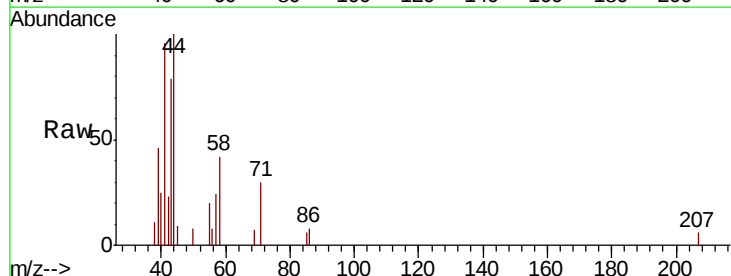


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

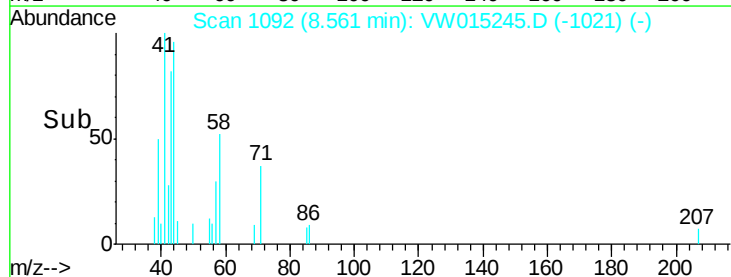
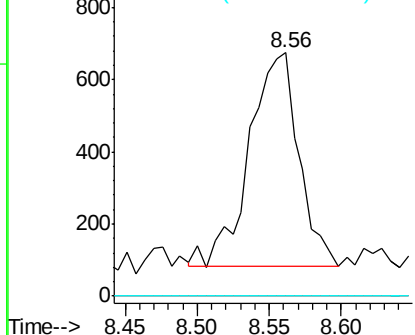


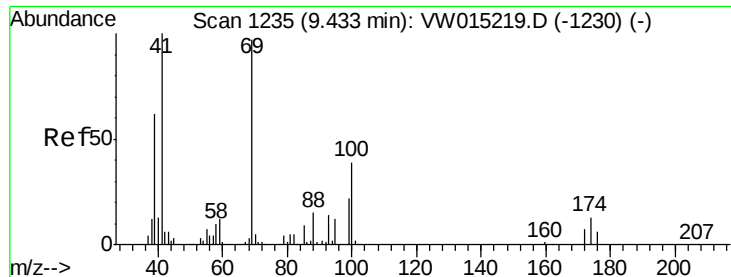
#43
Isopropyl Acetate
Concen: 1.242 ug/l
RT: 8.56 min Scan# 1092
Delta R.T. 0.13 min
Lab File: VW015245.D
Acq: 21 Apr 2020 00:44

Tgt Ion: 43 Resp: 1416
Ion Ratio Lower Upper
43 100
61 0.0 24.8 37.2#
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW

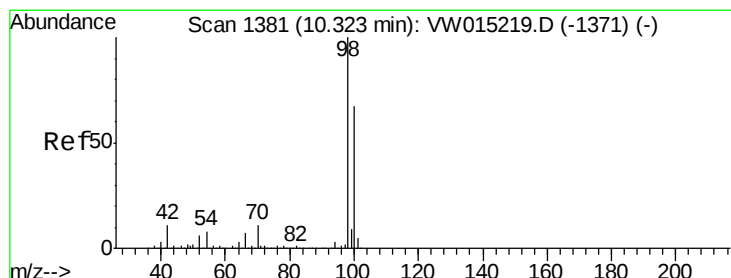
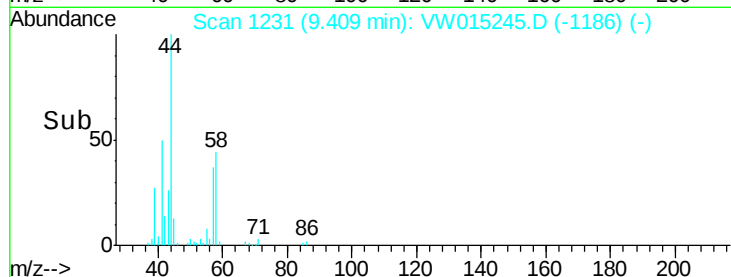
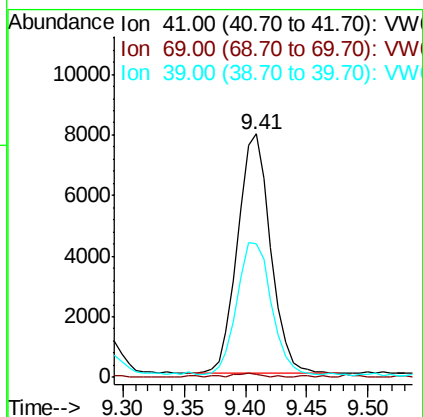
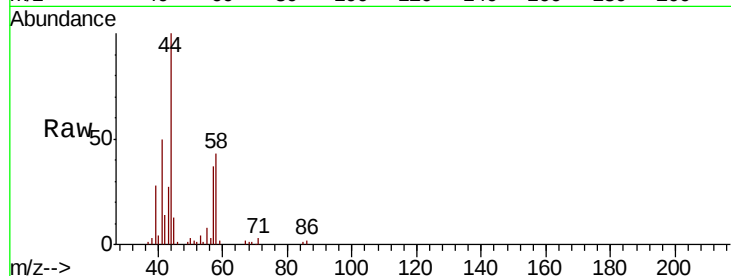




#48
Methvl methacrylate
Concen: 27.547 ug/l
RT: 9.41 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VW015245.D
Acq: 21 Apr 2020 00:44

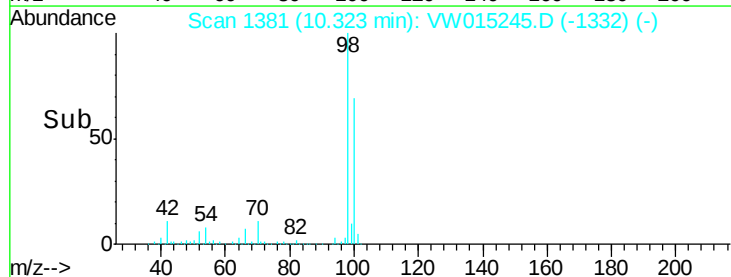
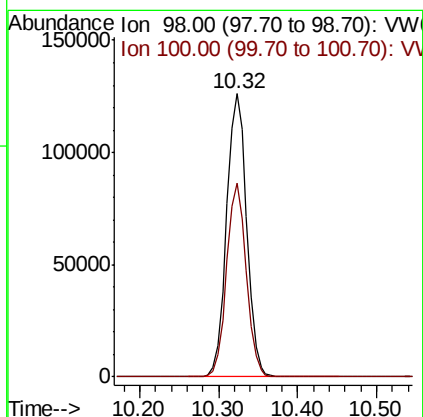
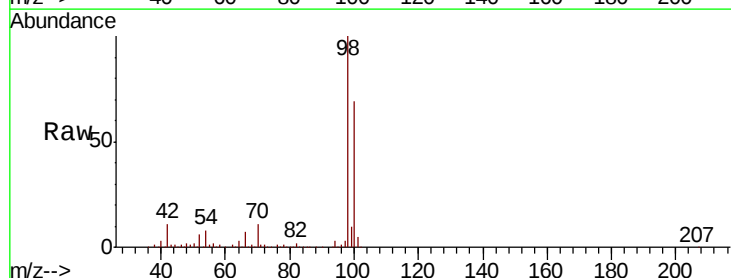
Instrument :
MSVOA_W
ClientSampled :
WC-F2-VOA

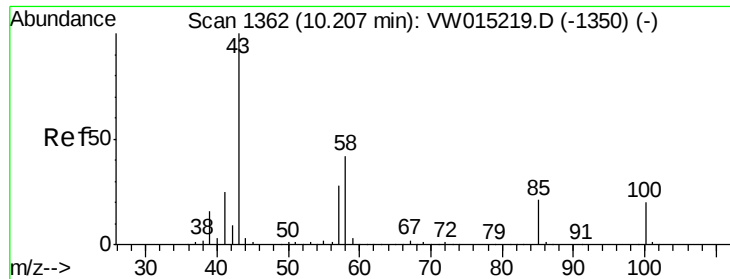
Tot Ion: 41 Resp: 14846
Ion Ratio Lower Upper
41 100
69 1.2 70.6 105.8#
39 57.8 42.6 64.0



#50
Toluene-d8
Concen: 51.673 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015245.D
Acq: 21 Apr 2020 00:44

Tgt Ion: 98 Resp: 223436
Ion Ratio Lower Upper
98 100
100 66.8 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 7.547 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015245.D

Acq: 21 Apr 2020 00:44

Instrument :

MSVOA_W

ClientSampled :

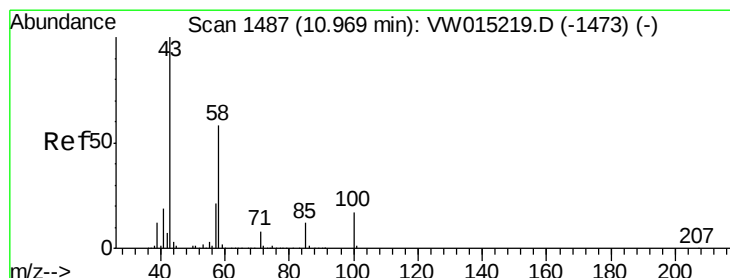
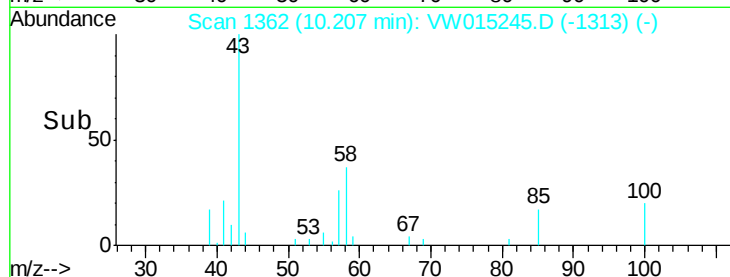
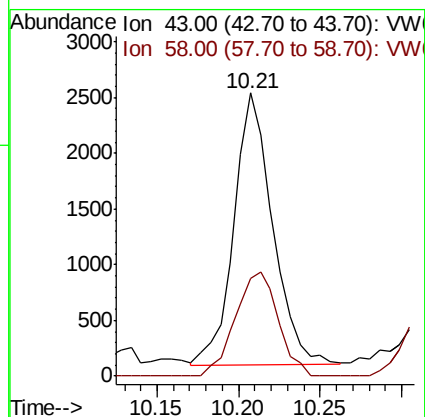
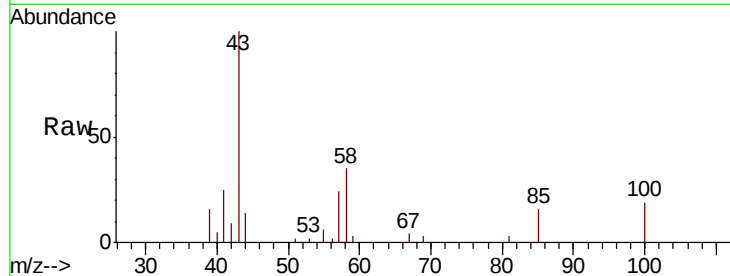
WC-F2-VOA

Tot Ion: 43 Resp: 4039

Ion Ratio Lower Upper

43 100

58 42.3 32.3 48.5



#59

2-Hexanone

Concen: 47.998 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015245.D

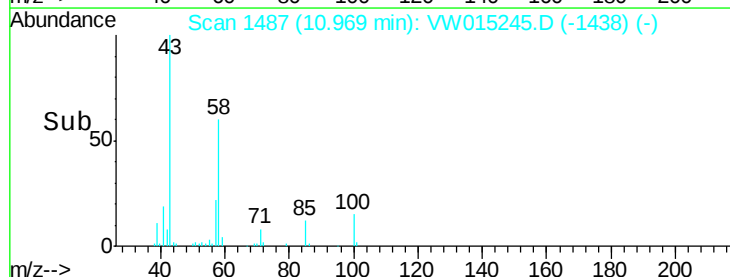
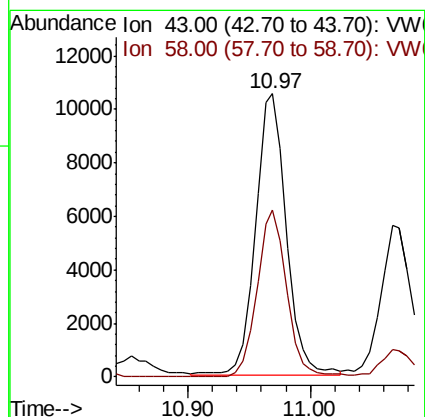
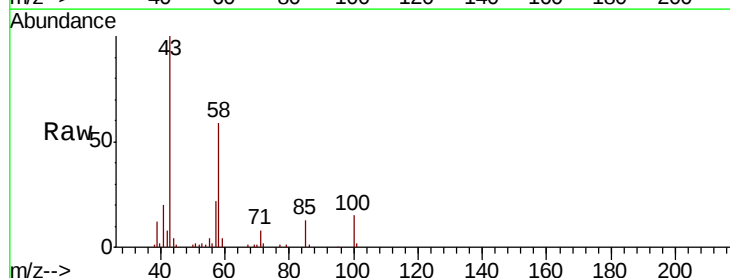
Acq: 21 Apr 2020 00:44

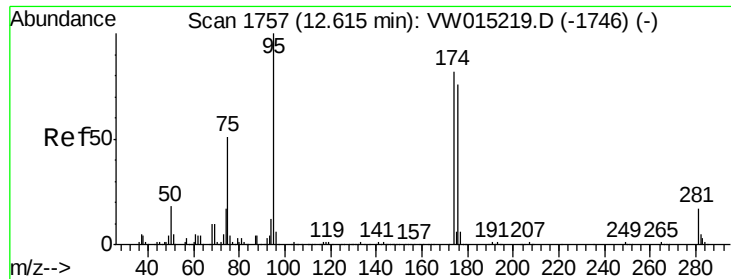
Tgt Ion: 43 Resp: 18336

Ion Ratio Lower Upper

43 100

58 57.6 28.1 84.3

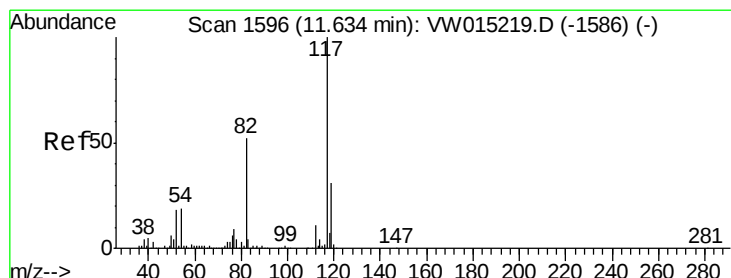
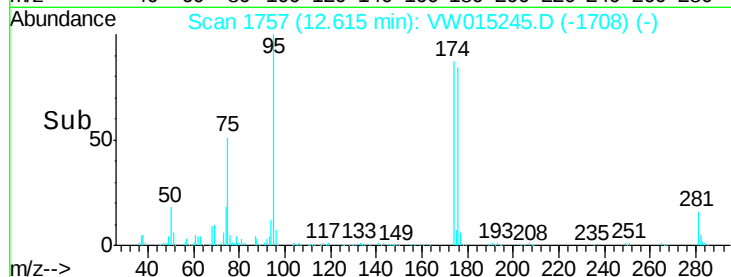
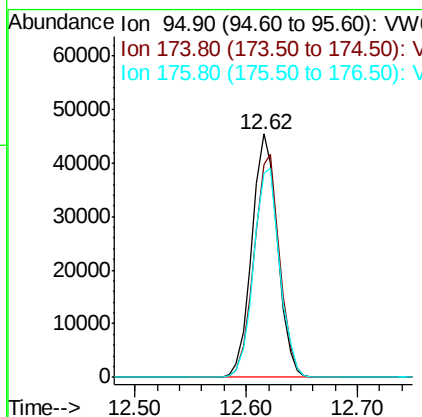
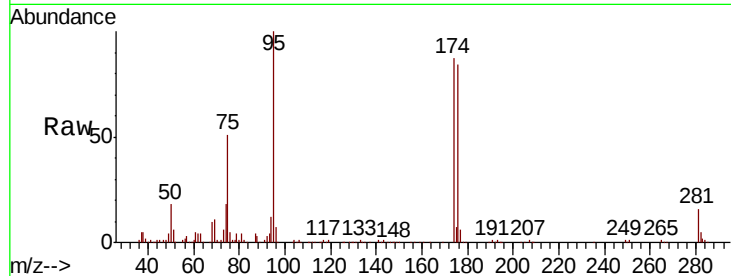




#62
4-Bromofluorobenzene
Concen: 44.399 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW015245.D
Acq: 21 Apr 2020 00:44

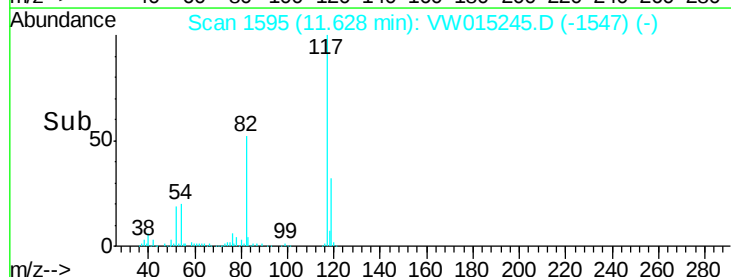
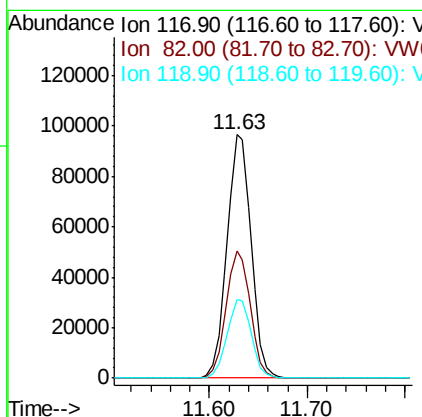
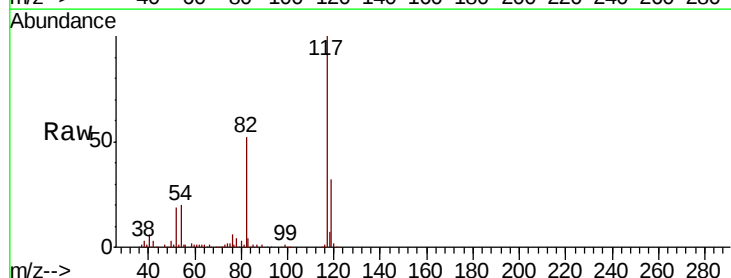
Instrument :
MSVOA_W
ClientSampleId :
WC-F2-VOA

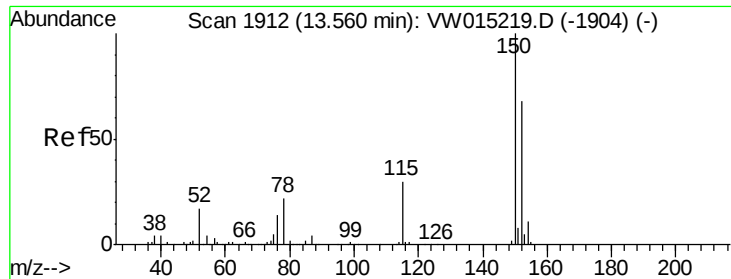
Tot Ion: 95 Resp: 73251
Ion Ratio Lower Upper
95 100
174 90.9 0.0 144.4
176 87.0 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015245.D
Acq: 21 Apr 2020 00:44

Tgt Ion: 117 Resp: 164939
Ion Ratio Lower Upper
117 100
82 52.1 44.1 66.1
119 32.3 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW015245.D

Acq: 21 Apr 2020 00:44

Instrument :

MSVOA_W

ClientSampleId :

WC-F2-VOA

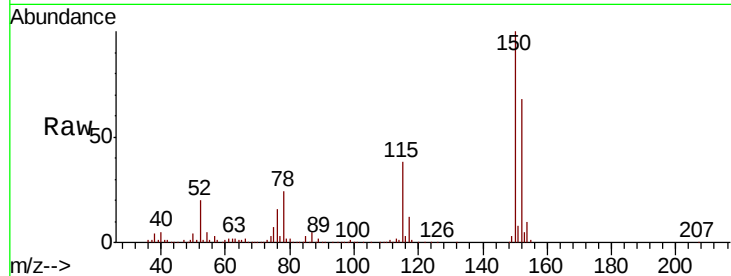
Tot Ion:152 Resp: 73563

Ion Ratio Lower Upper

152 100

115 56.1 31.3 93.9

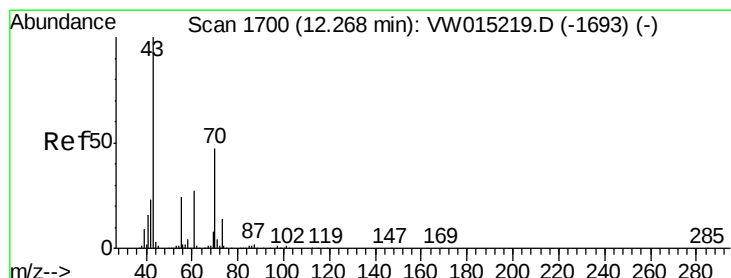
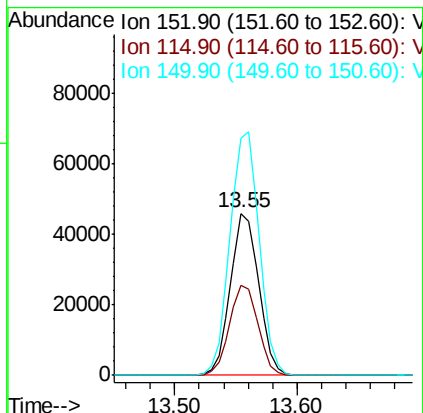
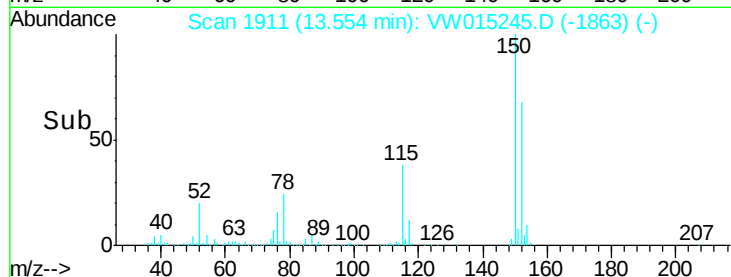
150 154.8 0.0 343.4



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: 30.526 ug/l

RT: 12.23 min Scan# 1694

Delta R.T. -0.04 min

Lab File: VW015245.D

Acq: 21 Apr 2020 00:44

Tgt Ion: 43 Resp: 27087

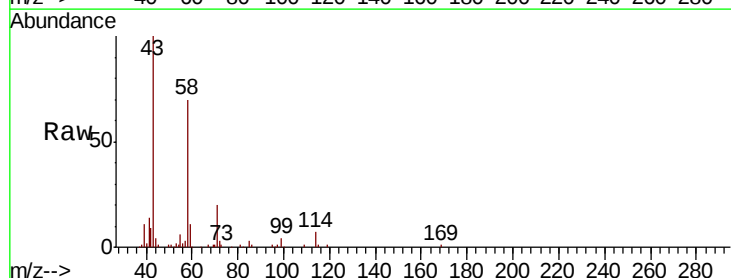
Ion Ratio Lower Upper

43 100

70 1.0 35.4 53.2#

55 6.8 18.5 27.7#

61 0.0 20.3 30.5#

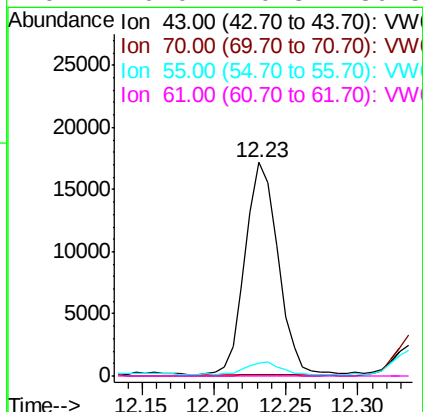
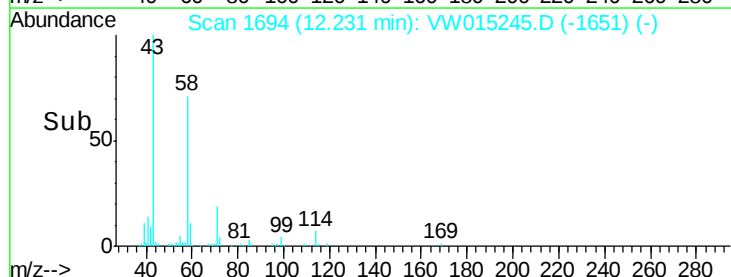


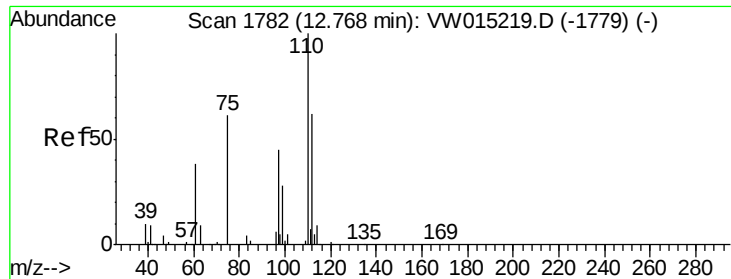
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 65.361 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015245.D

Acq: 21 Apr 2020 00:44

Instrument :

MSVOA_W

ClientSampleId :

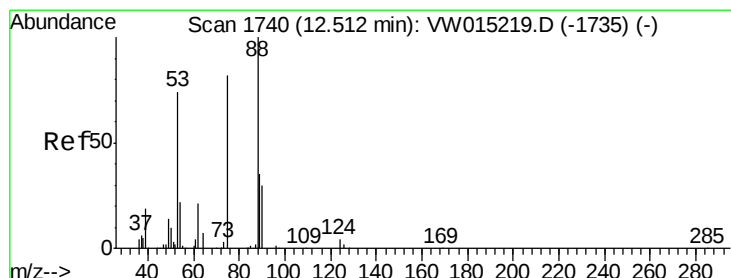
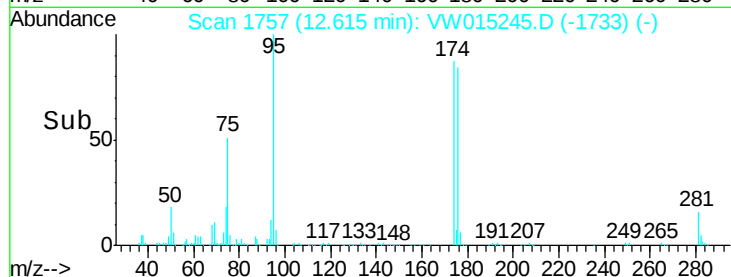
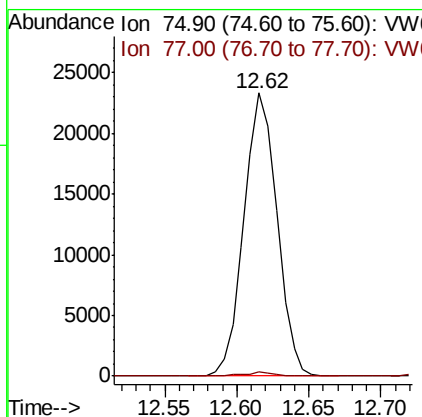
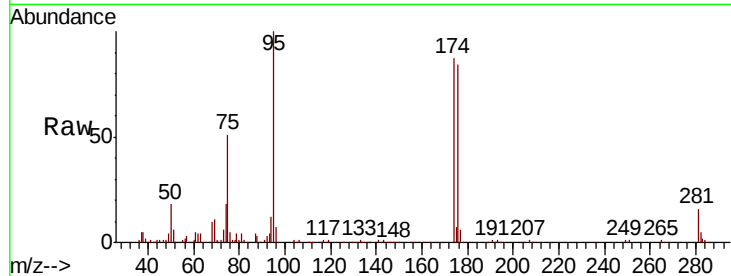
WC-F2-VOA

Tot Ion: 75 Resp: 37196

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 142.879 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015245.D

Acq: 21 Apr 2020 00:44

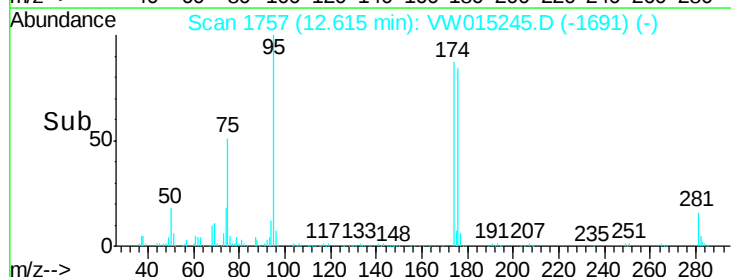
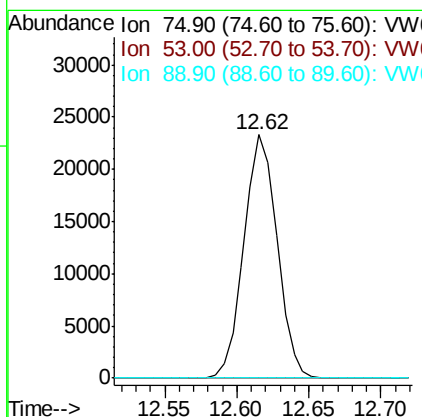
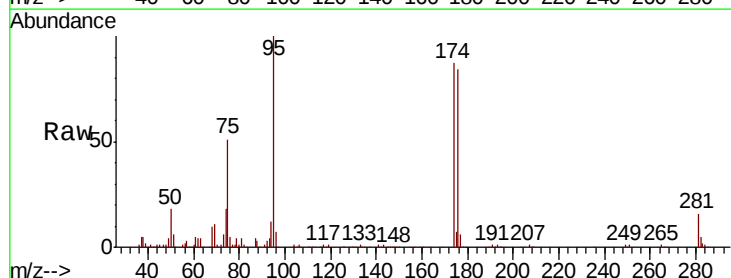
Tgt Ion: 75 Resp: 37196

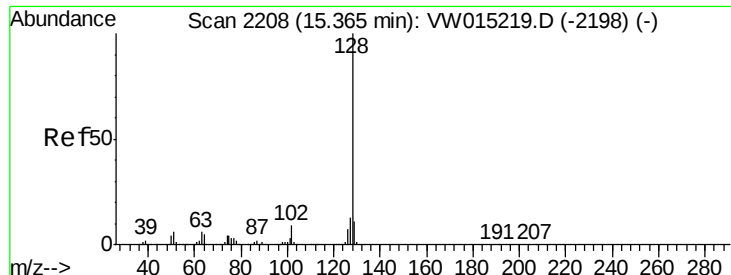
Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.3 34.8 52.2#





#95

Naphthalene

Concen: 1.225 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015245.D

Acq: 21 Apr 2020 00:44

Instrument :

MSVOA_W

ClientSampleId :

WC-F2-VOA

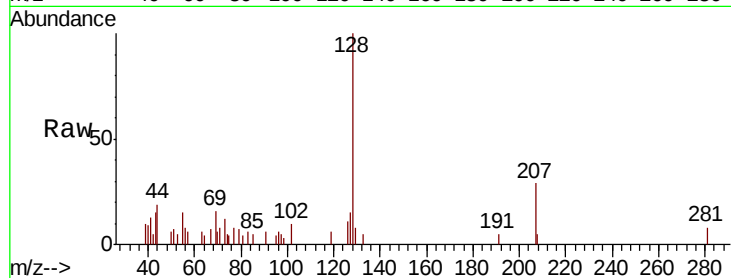
Tot Ion:128 Resp: 2771

Ion Ratio Lower Upper

128 100

127 16.4 10.3 15.5#

129 10.0 8.6 12.8



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

