

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015244.D
 Acq On : 21 Apr 2020 00:19
 Operator : SY/VA
 Sample : L2304-11
 Misc : 5.03G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-F1-VOA

Quant Time: Apr 21 07:00:24 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	196824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	273462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	245062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	114001	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	75442	46.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.74%	
35) Dibromofluoromethane	7.88	113	58752	38.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	77.58%	
50) Toluene-d8	10.32	98	333451	52.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.66%	
62) 4-Bromofluorobenzene	12.62	95	112077	46.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.20%	

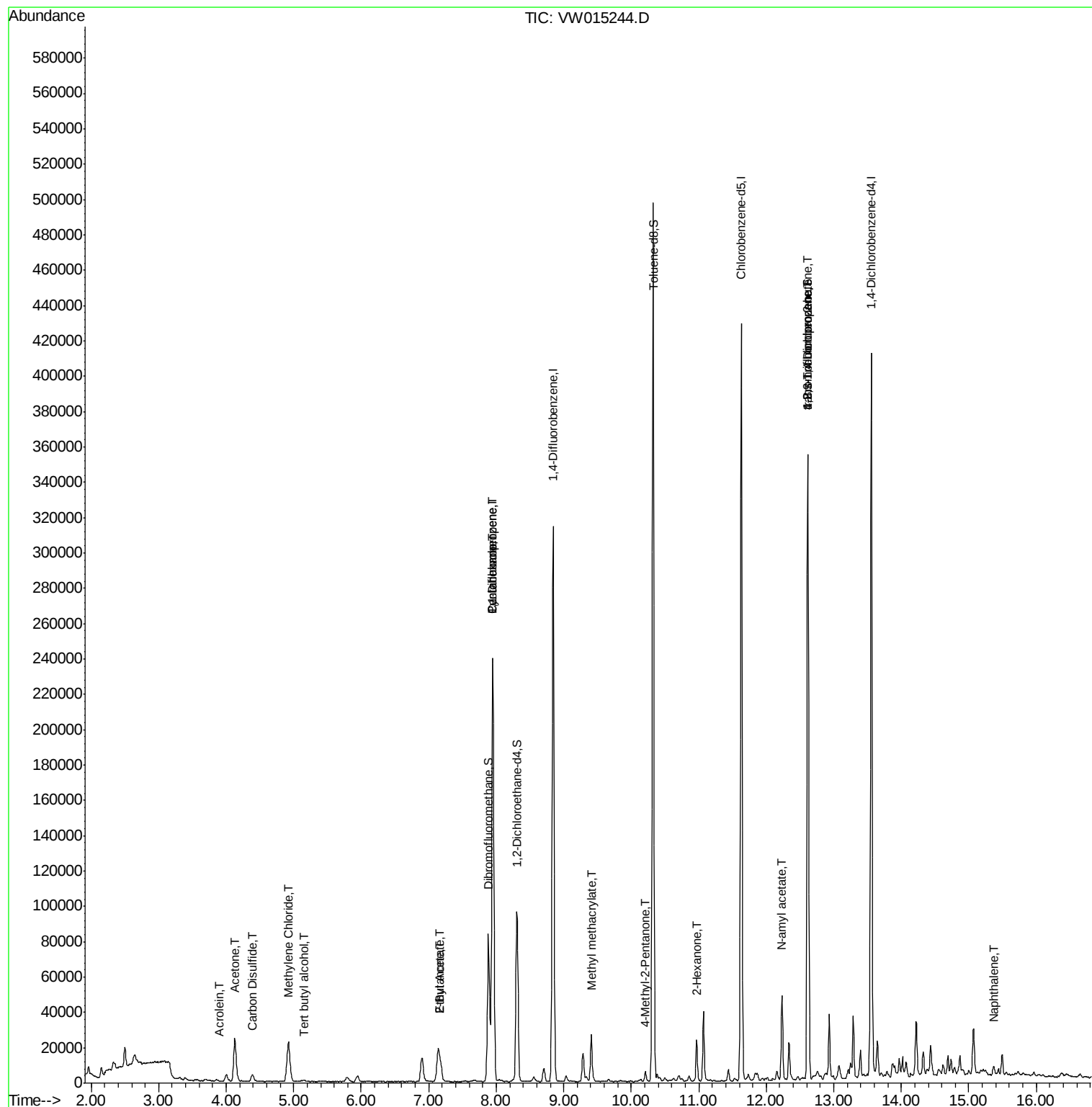
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.14	59	630	4.802	ug/l #	16
13) Acrolein	3.90	56	188	2.738	ug/l #	48
16) Acetone	4.13	43	42062	149.622	ug/l	100
17) Carbon Disulfide	4.39	76	6200	1.243	ug/l #	87
20) Methylene Chloride	4.92	84	18717	10.159	ug/l	91
25) 2-Butanone	7.17	43	14571	39.067	ug/l	97
31) Cyclohexane	7.95	56	4182	1.405	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	13112	5.312	ug/l #	50
37) Ethyl Acetate	7.17	43	14571	18.191	ug/l #	67
48) Methyl methacrylate	9.41	41	6523	8.213	ug/l #	39
51) 4-Methyl-2-Pentanone	10.21	43	3514	4.456	ug/l	95
59) 2-Hexanone	10.96	43	14351	25.492	ug/l	95
74) N-amyl acetate	12.23	43	26520	19.286	ug/l #	46
76) 1,2,3-Trichloropropane	12.62	75	55697	63.154	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	55697	138.056	ug/l #	15
95) Naphthalene	15.36	128	4032	1.150	ug/l #	94

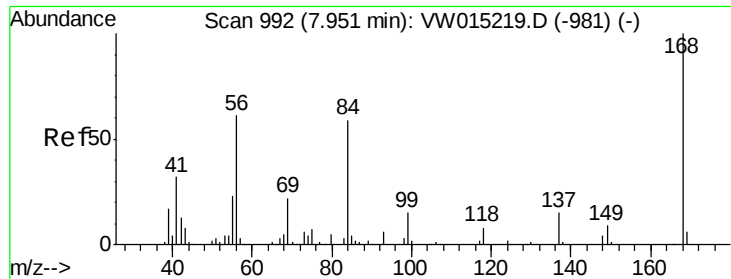
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042020\
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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# 991

Delta R.T. -0.01 min

Lab File: VW015244.D

Acq: 21 Apr 2020 00:19

Instrument :

MSVOA_W

ClientSampleId :

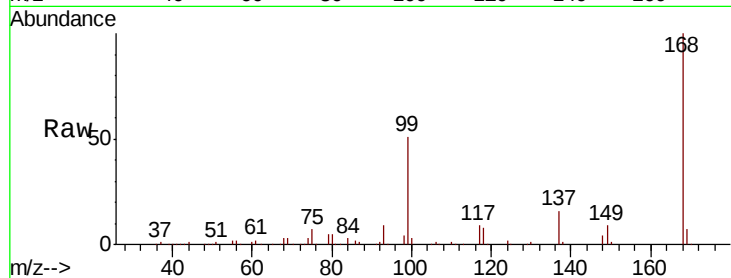
WC-F1-VOA

Tot Ion:168 Resp: 196824

Ion Ratio Lower Upper

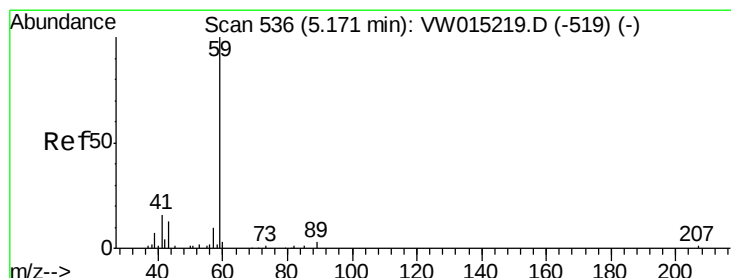
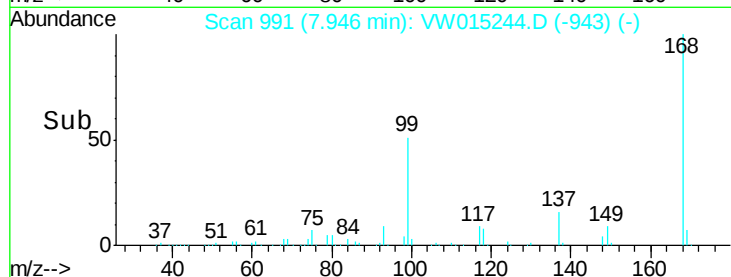
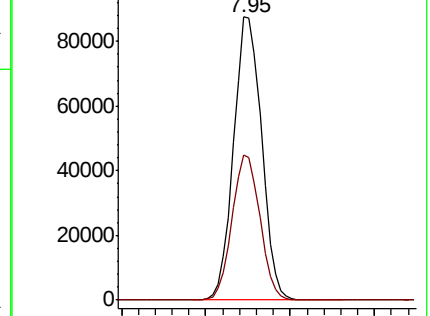
168 100

99 51.4 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: 4.802 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.03 min

Lab File: VW015244.D

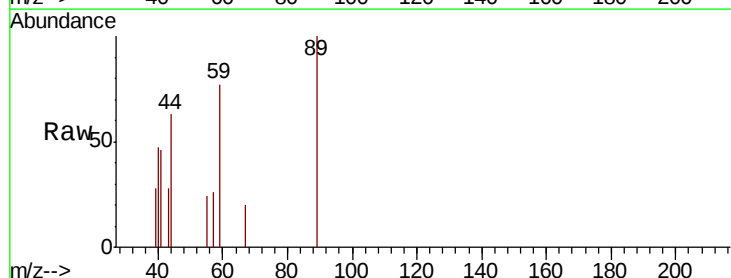
Acq: 21 Apr 2020 00:19

Tgt Ion: 59 Resp: 630

Ion Ratio Lower Upper

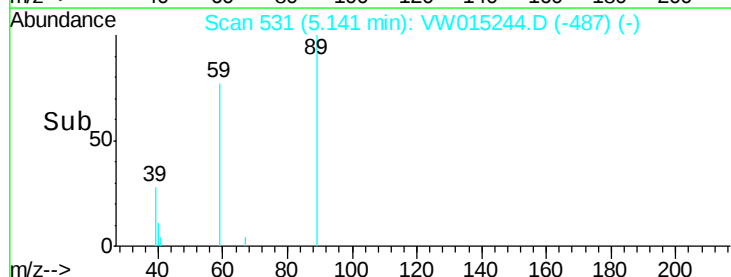
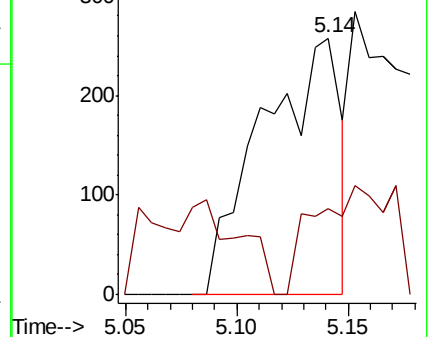
59 100

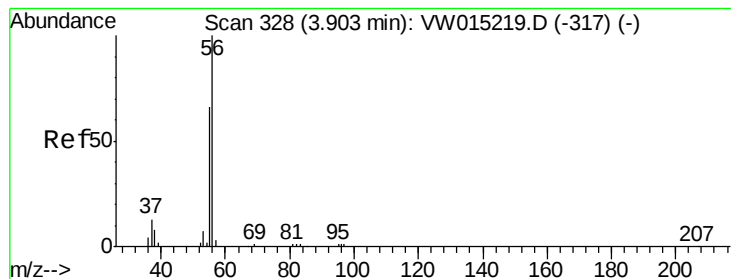
57 42.1 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 2.738 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW015244.D

Acq: 21 Apr 2020 00:19

Instrument :

MSVOA_W

ClientSampleId :

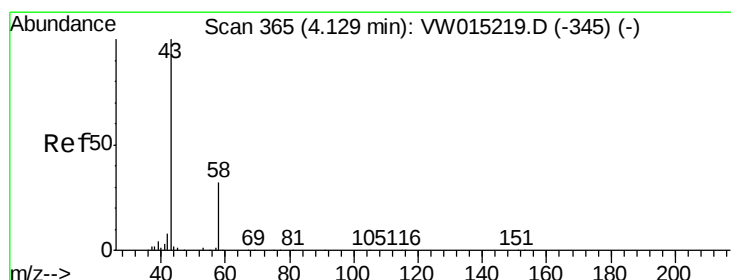
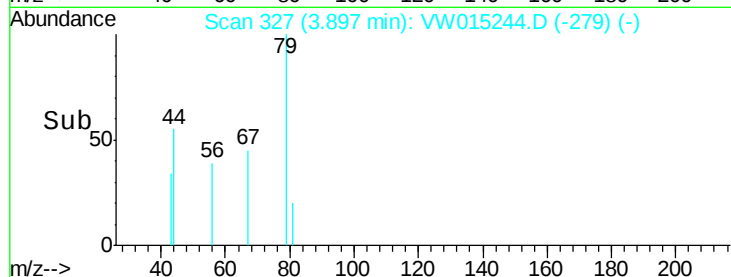
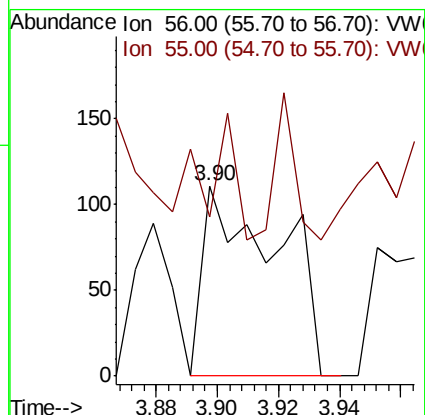
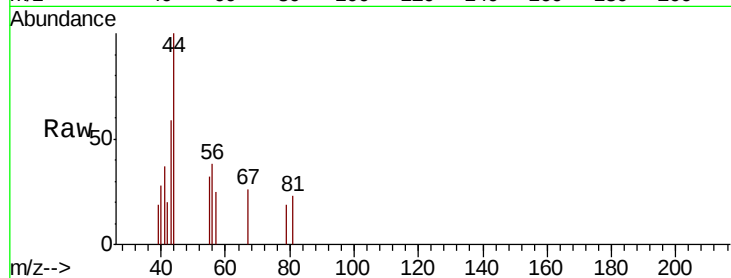
WC-F1-VOA

Tot Ion: 56 Resp: 188

Ion Ratio Lower Upper

56 100

55 27.7 56.2 84.2#



#16

Acetone

Concen: 149.622 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW015244.D

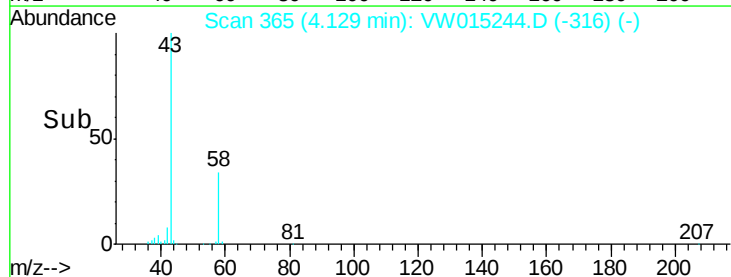
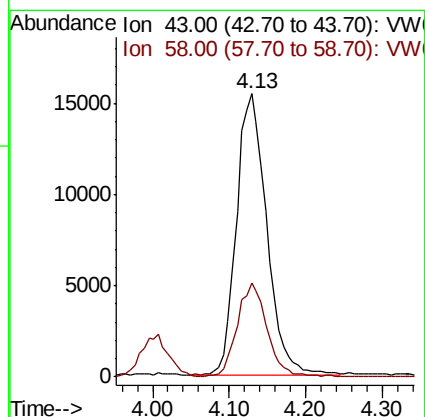
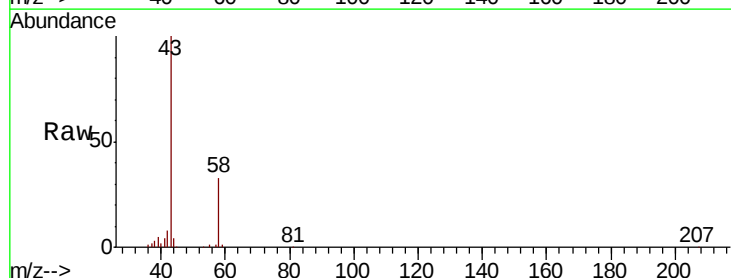
Acq: 21 Apr 2020 00:19

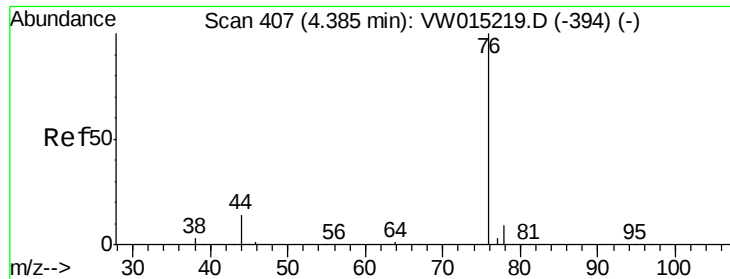
Tgt Ion: 43 Resp: 42062

Ion Ratio Lower Upper

43 100

58 33.5 27.0 40.4

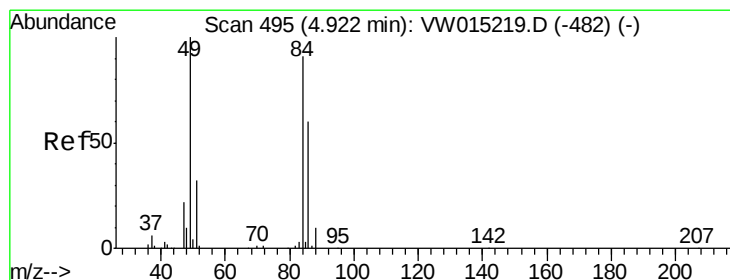
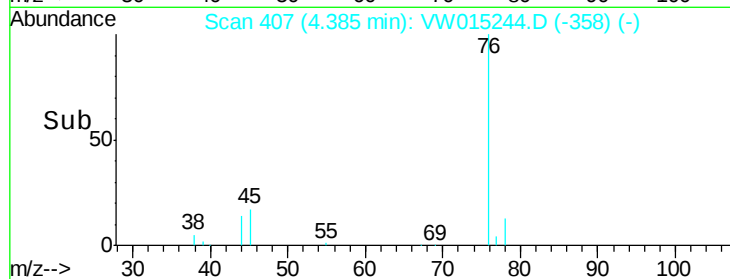
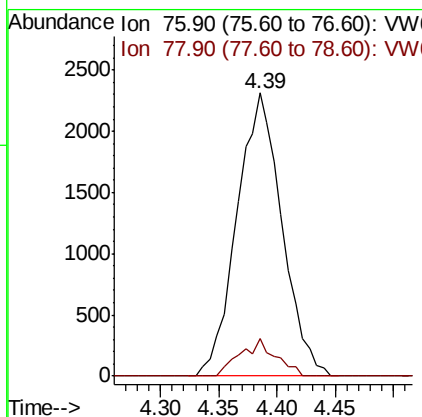
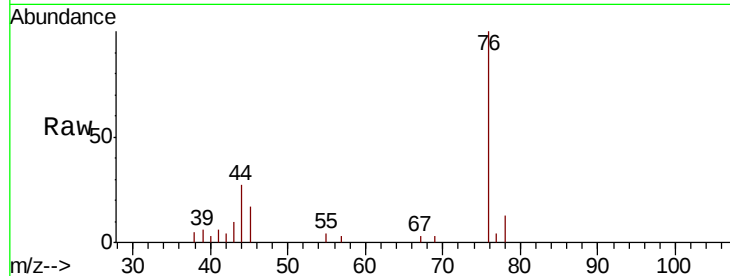




#17
Carbon Disulfide
Concen: 1.243 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW015244.D
Acq: 21 Apr 2020 00:19

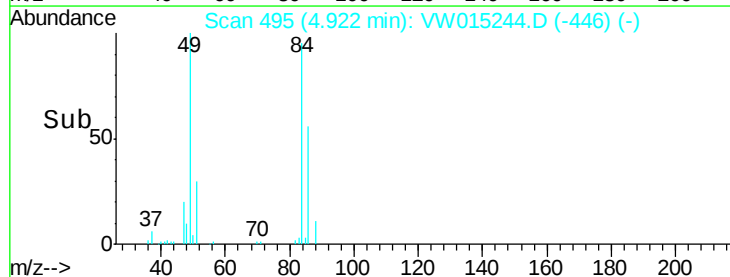
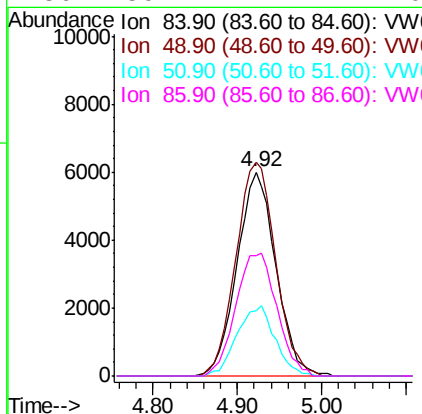
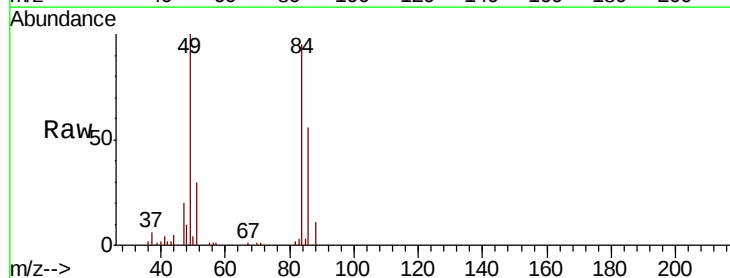
Instrument :
MSVOA_W
ClientSampleId :
WC-F1-VOA

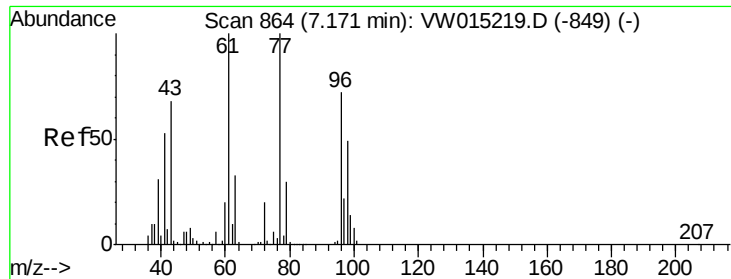
Tot Ion: 76 Resp: 6200
Ion Ratio Lower Upper
76 100
78 13.3 7.0 10.6#



#20
Methylene Chloride
Concen: 10.159 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015244.D
Acq: 21 Apr 2020 00:19

Tgt Ion: 84 Resp: 18717
Ion Ratio Lower Upper
84 100
49 104.8 95.4 143.0
51 31.8 29.8 44.8
86 59.1 47.4 71.0





#25

2-Butanone

Concen: 39.067 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015244.D

Acq: 21 Apr 2020 00:19

Instrument :

MSVOA_W

ClientSampled :

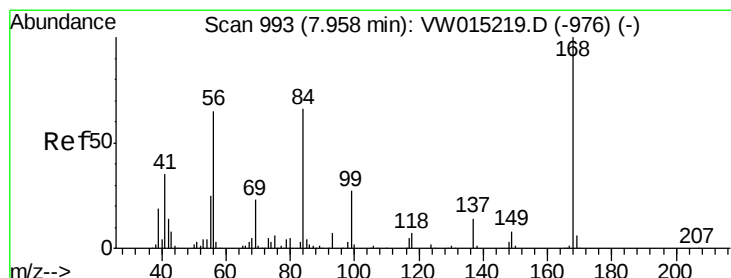
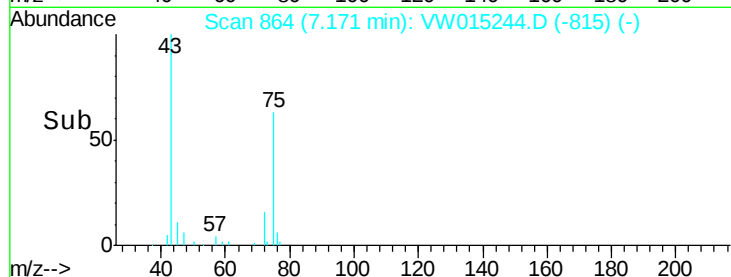
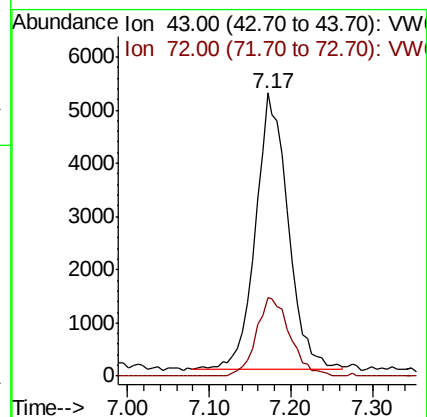
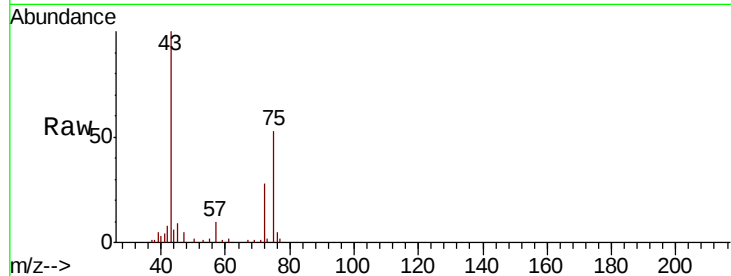
WC-F1-VOA

Tot Ion: 43 Resp: 14571

Ion Ratio Lower Upper

43 100

72 28.3 21.6 32.4



#31

Cyclohexane

Concen: 1.405 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015244.D

Acq: 21 Apr 2020 00:19

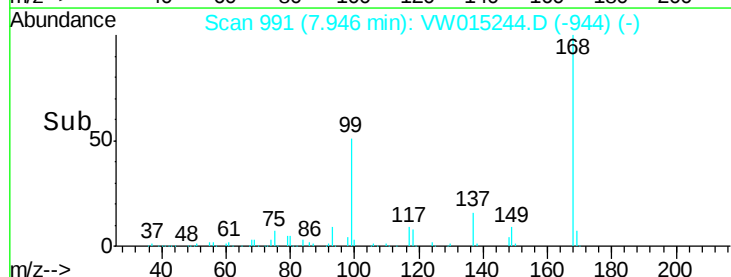
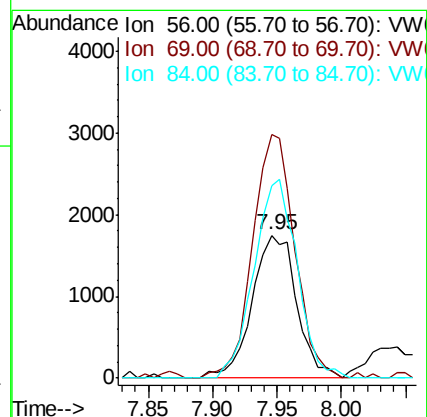
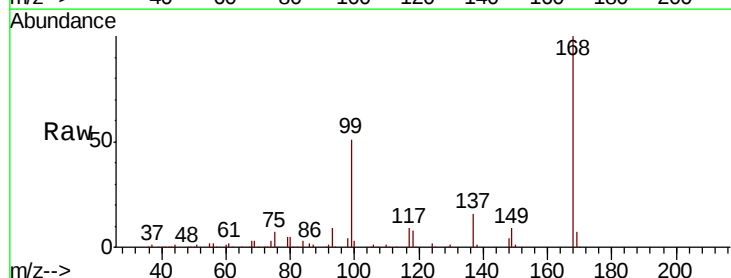
Tgt Ion: 56 Resp: 4182

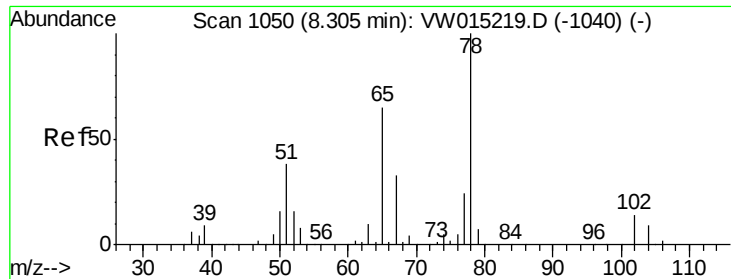
Ion Ratio Lower Upper

56 100

69 170.1 27.1 40.7#

84 134.1 71.9 107.9#

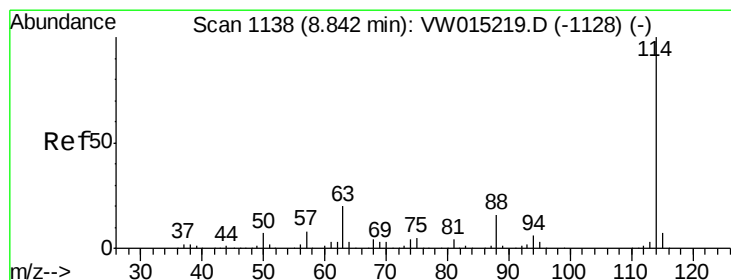
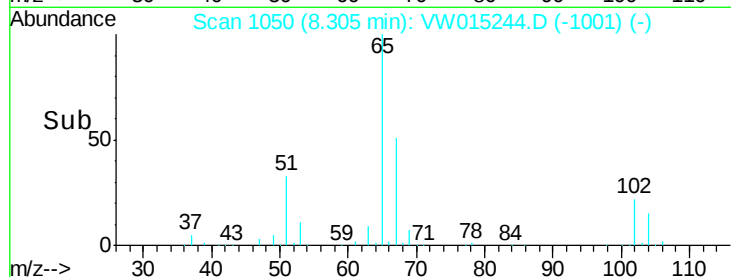
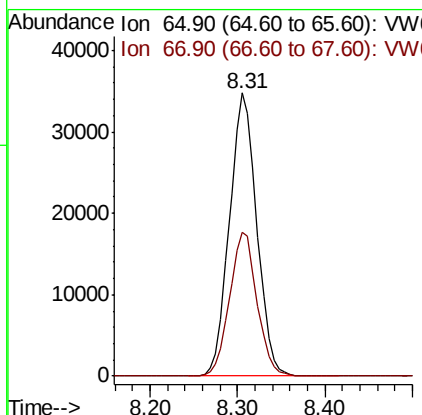
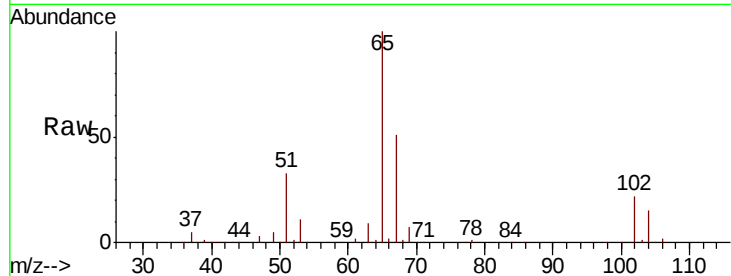




#33
 1,2-Dichloroethane-d4
 Concen: 46.872 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015244.D
 Acq: 21 Apr 2020 00:19

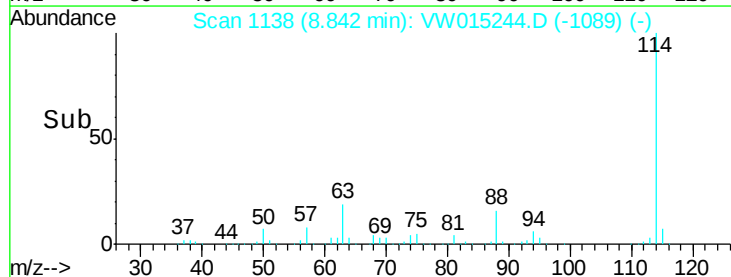
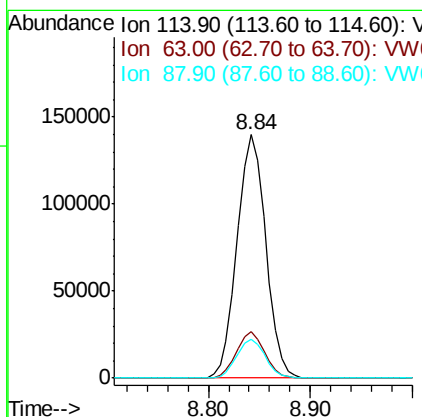
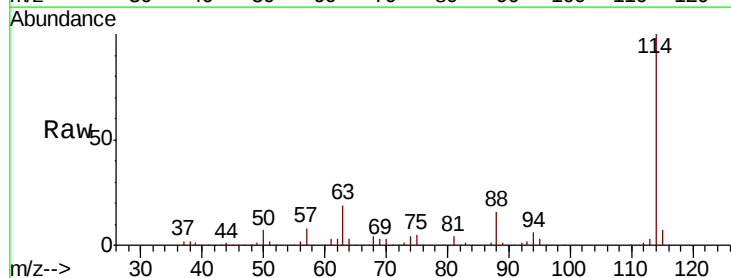
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 WC-F1-VOA

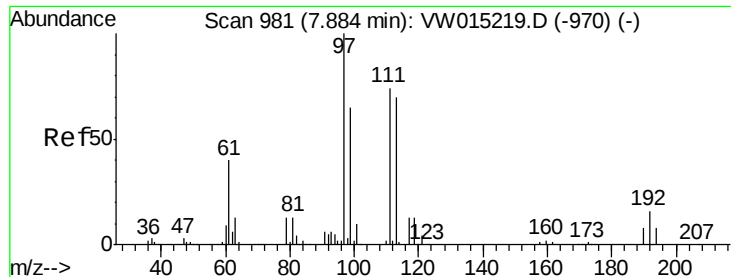
Tot Ion: 65 Resp: 75442
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015244.D
 Acq: 21 Apr 2020 00:19

Tgt Ion: 114 Resp: 273462
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.8
 88 16.0 0.0 30.2

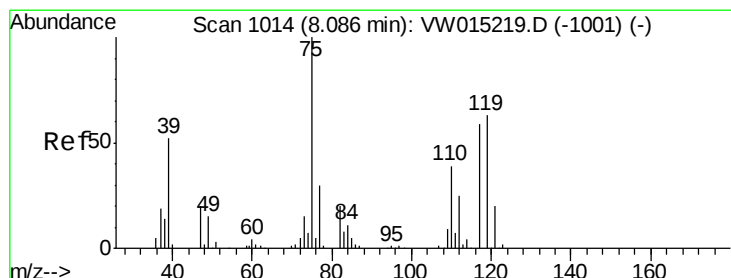
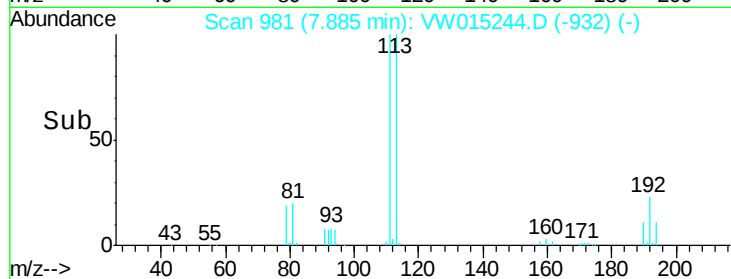
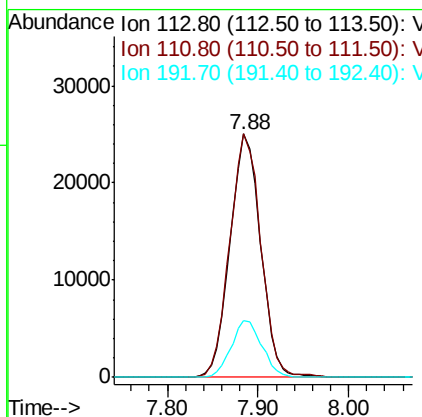
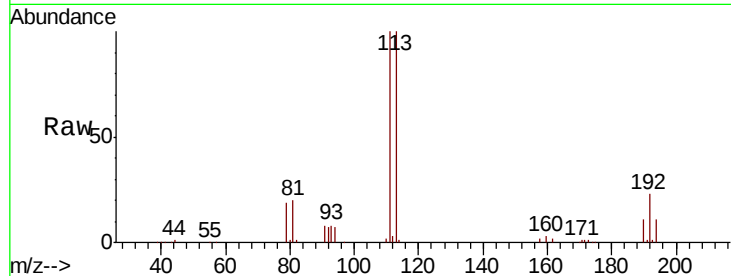




#35
 Dibromofluoromethane
 Concen: 38.786 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015244.D
 Acq: 21 Apr 2020 00:19

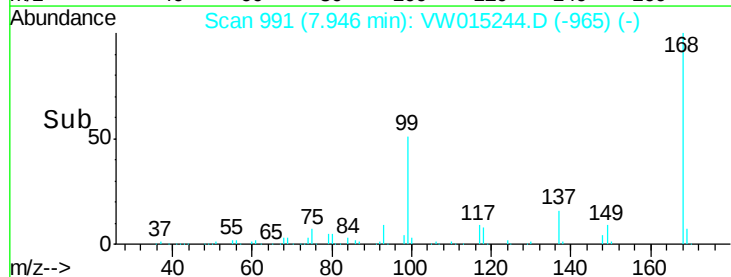
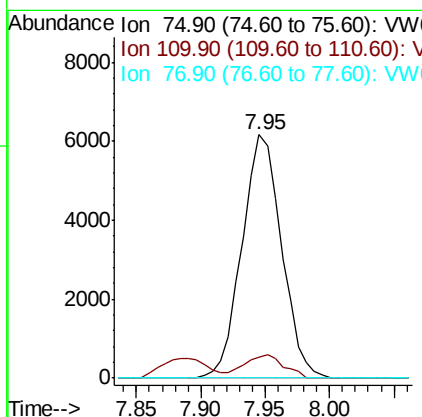
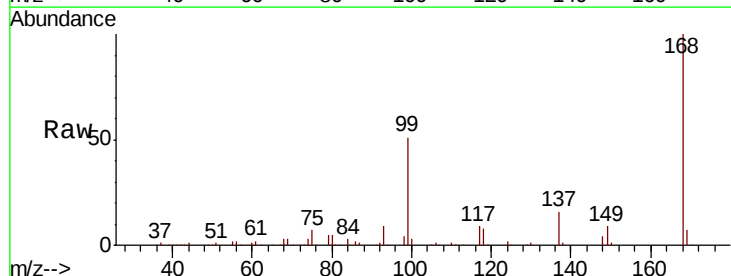
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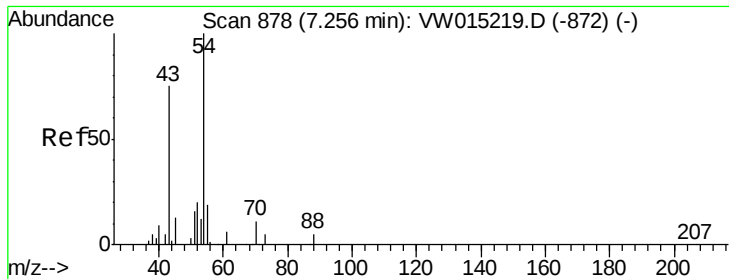
Tot Ion:113 Resp: 58752
 Ion Ratio Lower Upper
 113 100
 111 101.7 83.0 124.4
 192 23.3 15.1 22.7#



#36
 1,1-Dichloropropene
 Concen: 5.312 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW015244.D
 Acq: 21 Apr 2020 00:19

Tgt Ion: 75 Resp: 13112
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.2 54.6#
 77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 18.191 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.09 min

Lab File: VW015244.D

Acq: 21 Apr 2020 00:19

Instrument :

MSVOA_W

ClientSampleId :

WC-F1-VOA

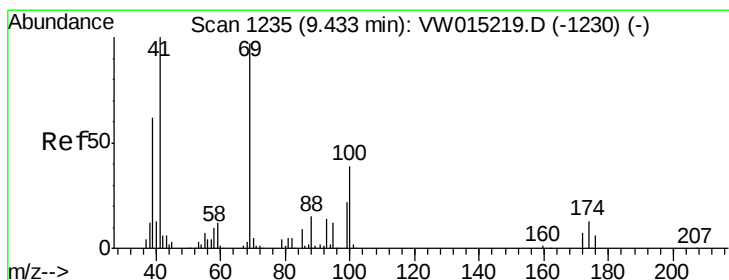
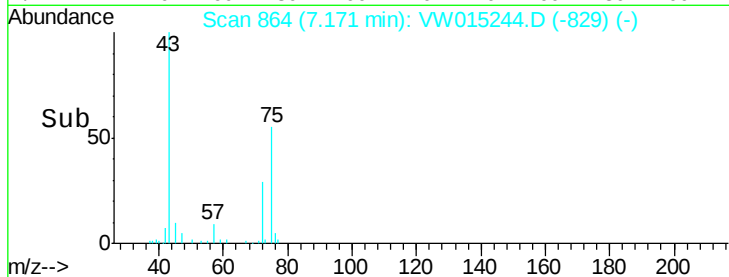
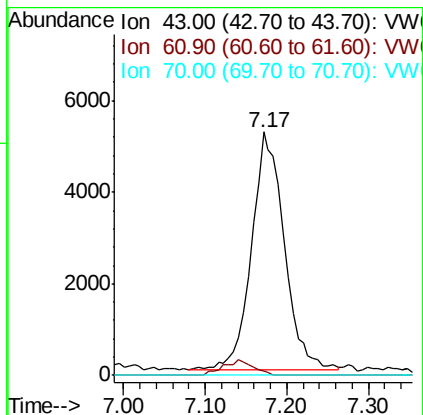
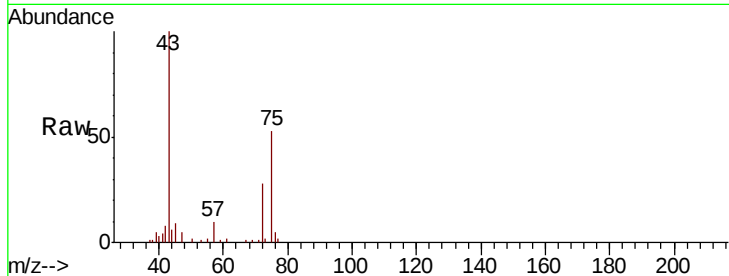
Tot Ion: 43 Resp: 14571

Ion Ratio Lower Upper

43 100

61 0.0 11.9 17.9#

70 0.0 8.8 13.2#



#48

Methyl methacrylate

Concen: 8.213 ug/l

RT: 9.41 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VW015244.D

Acq: 21 Apr 2020 00:19

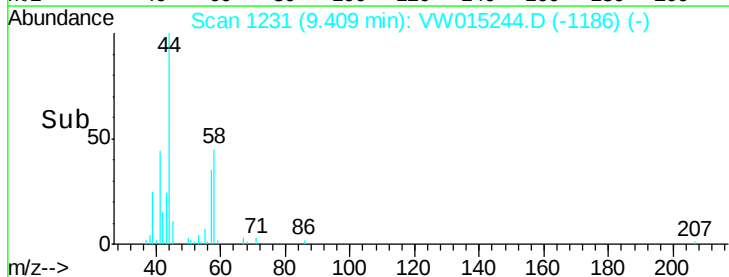
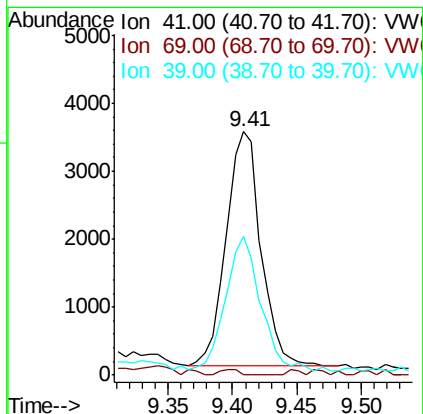
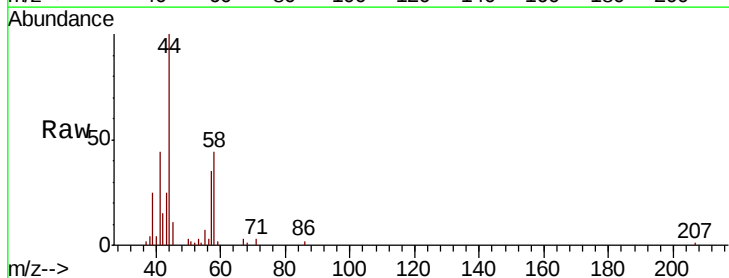
Tgt Ion: 41 Resp: 6523

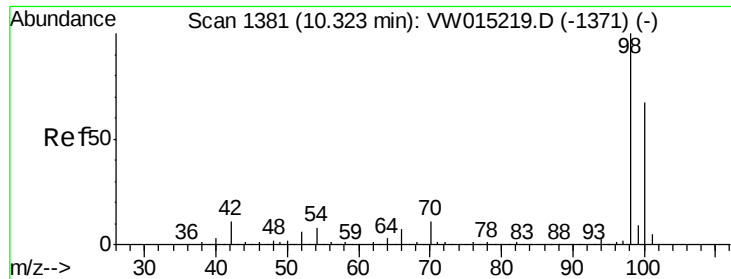
Ion Ratio Lower Upper

41 100

69 1.1 70.6 105.8#

39 57.9 42.6 64.0





#50

Toluene-d8

Concen: 52.330 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015244.D

Acq: 21 Apr 2020 00:19

Instrument :

MSVOA_W

ClientSampleId :

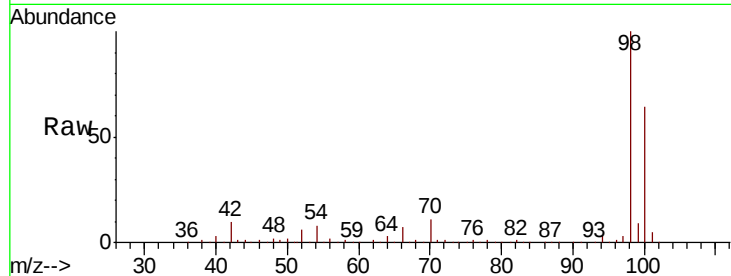
WC-F1-VOA

Tot Ion: 98 Resp: 333451

Ion Ratio Lower Upper

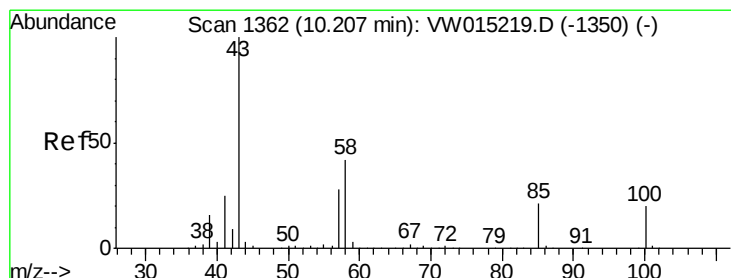
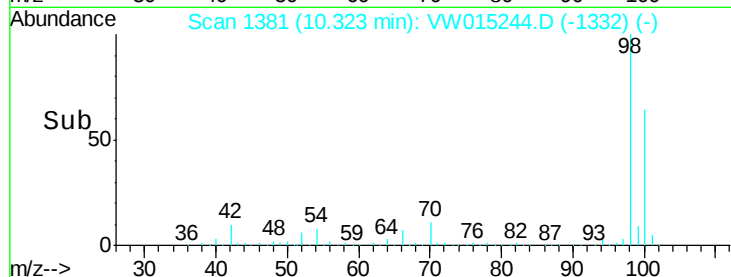
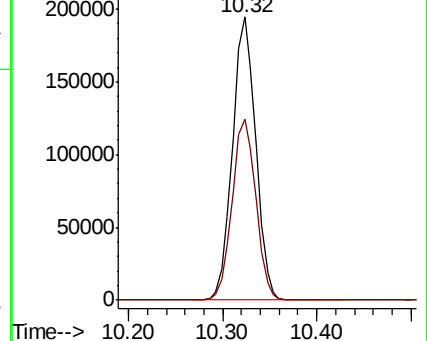
98 100

100 65.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 4.456 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015244.D

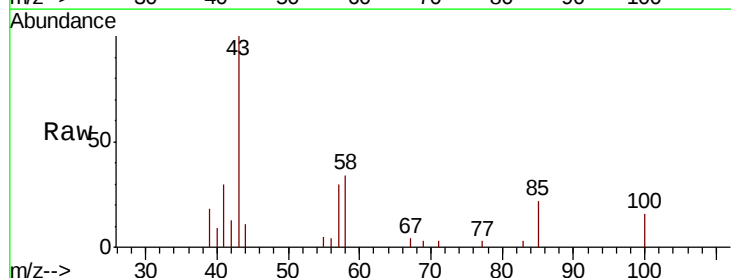
Acq: 21 Apr 2020 00:19

Tgt Ion: 43 Resp: 3514

Ion Ratio Lower Upper

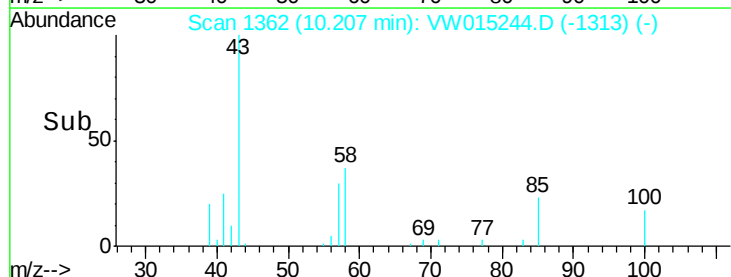
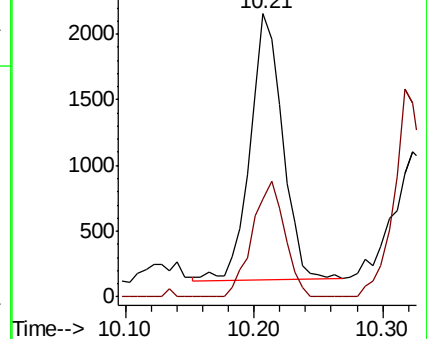
43 100

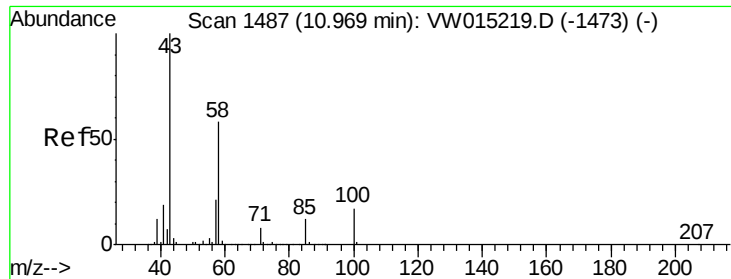
58 43.3 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#59

2-Hexanone

Concen: 25.492 ug/l

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW015244.D

Acq: 21 Apr 2020 00:19

Instrument :

MSVOA_W

ClientSampleId :

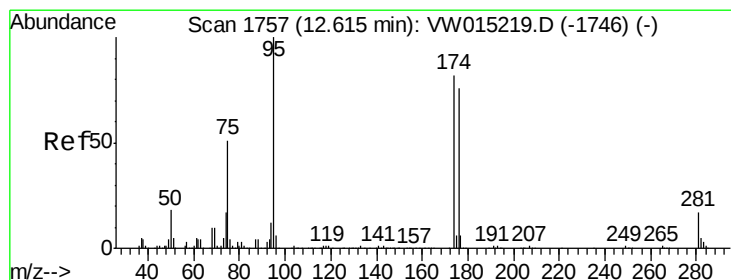
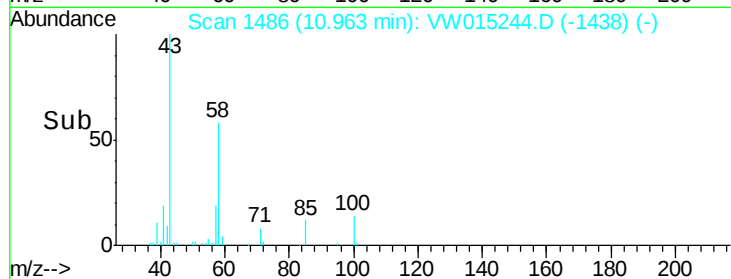
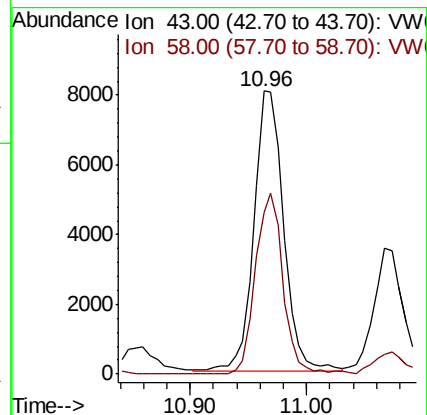
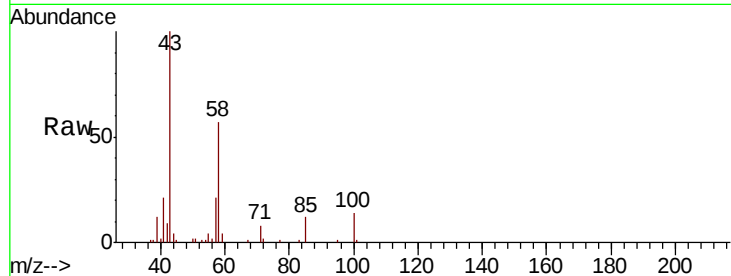
WC-F1-VOA

Tot Ion: 43 Resp: 14351

Ion Ratio Lower Upper

43 100

58 60.1 28.1 84.3



#62

4-Bromofluorobenzene

Concen: 46.098 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015244.D

Acq: 21 Apr 2020 00:19

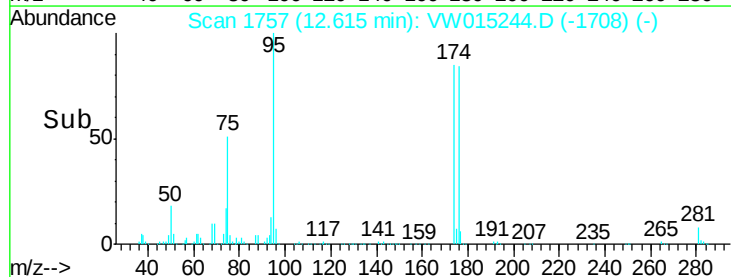
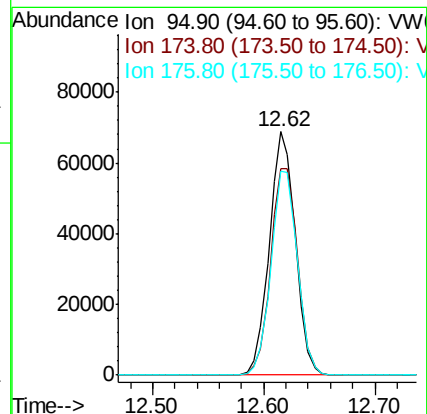
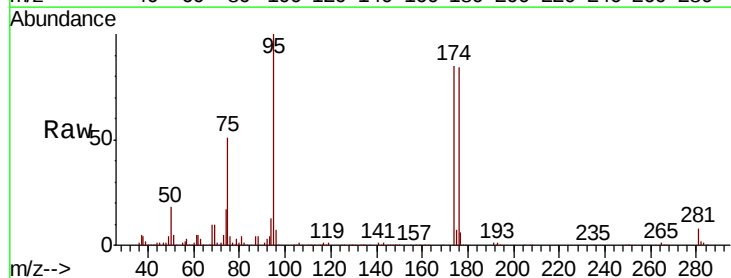
Tgt Ion: 95 Resp: 112077

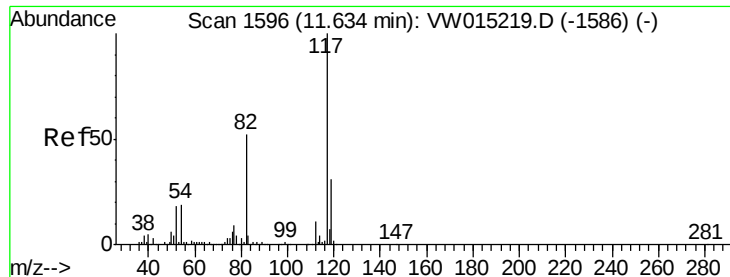
Ion Ratio Lower Upper

95 100

174 88.0 0.0 144.4

176 85.4 0.0 140.6

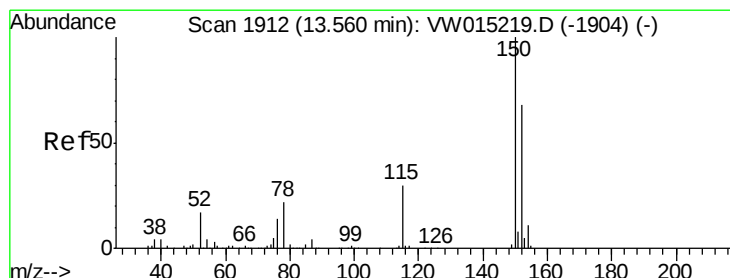
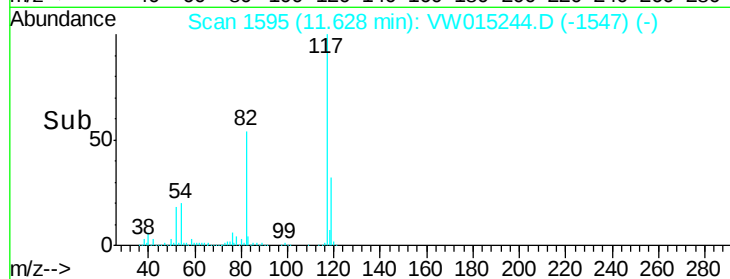
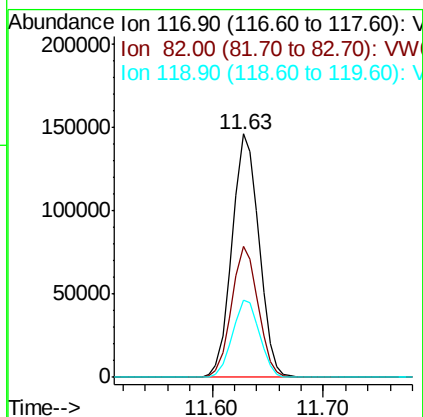
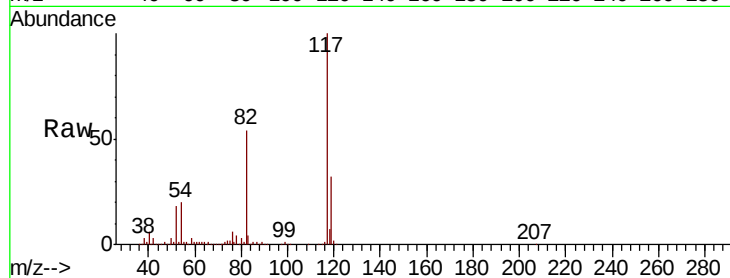




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015244.D
Acq: 21 Apr 2020 00:19

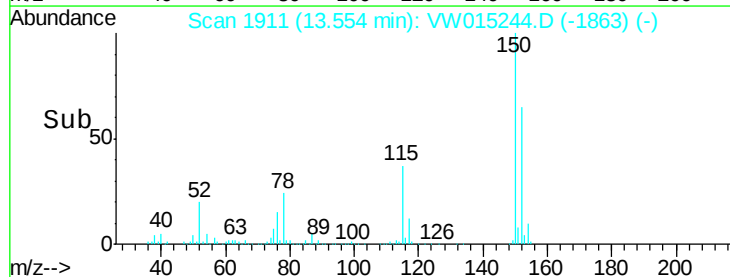
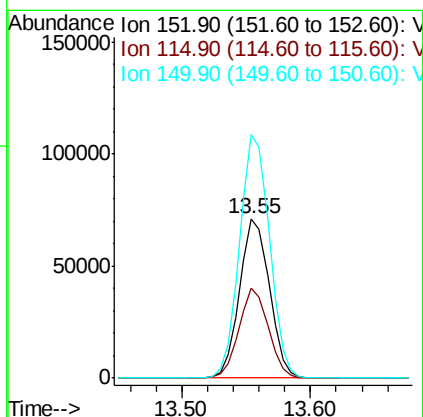
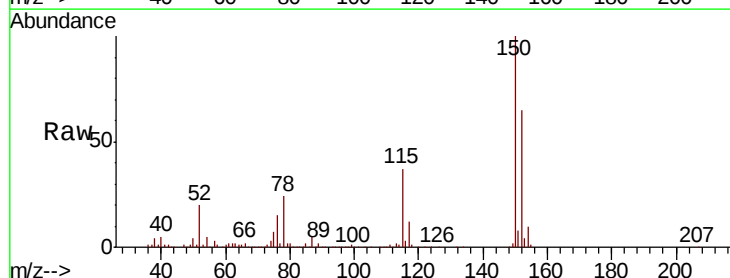
Instrument :
MSVOA_W
ClientSampleId :
WC-F1-VOA

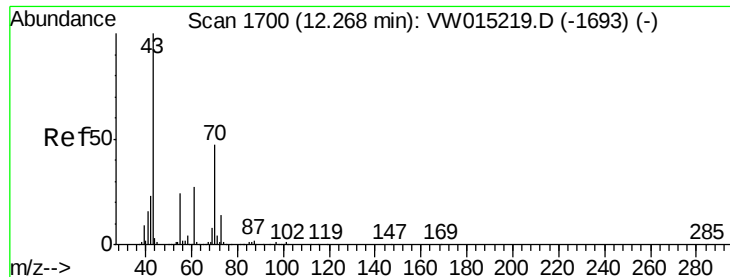
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.1	66.1
119	31.5	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW015244.D
Acq: 21 Apr 2020 00:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	31.3	93.9
150	153.6	0.0	343.4





#74

N-amvl acetate

Concen: 19.286 ug/l

RT: 12.23 min Scan# 1694

Delta R.T. -0.04 min

Lab File: VW015244.D

Acq: 21 Apr 2020 00:19

Instrument :

MSVOA_W

ClientSampleId :

WC-F1-VOA

Tot Ion: 43 Resp: 26520

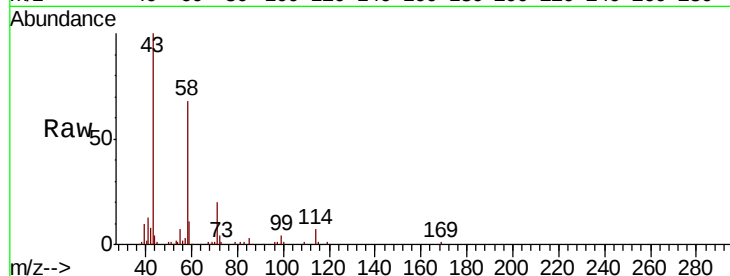
Ion Ratio Lower Upper

43 100

70 1.0 35.4 53.2#

55 6.7 18.5 27.7#

61 0.0 20.3 30.5#

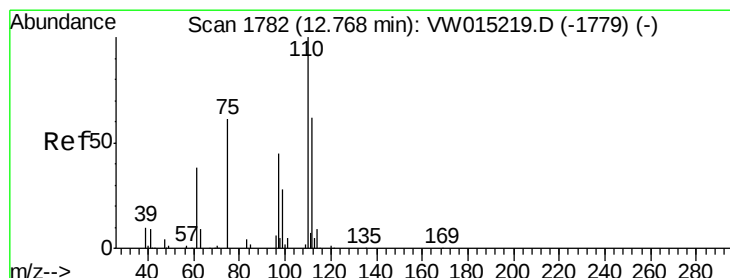
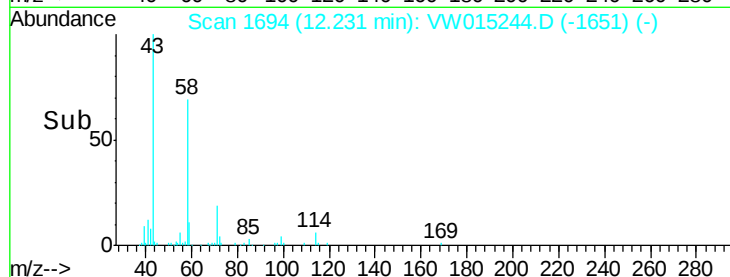
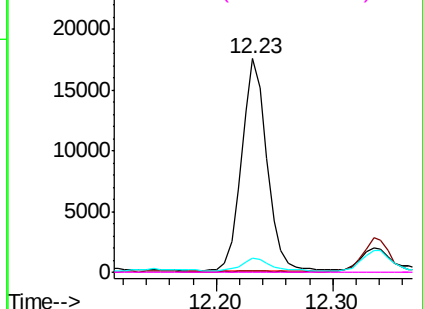


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 63.154 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015244.D

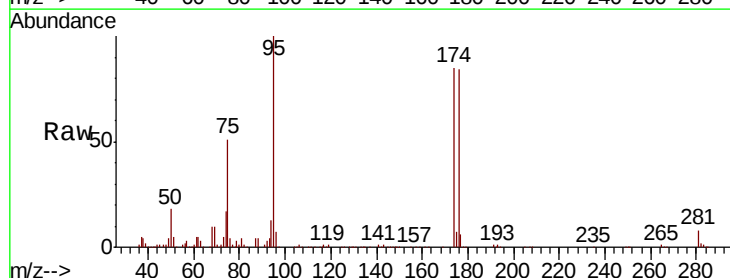
Acq: 21 Apr 2020 00:19

Tgt Ion: 75 Resp: 55697

Ion Ratio Lower Upper

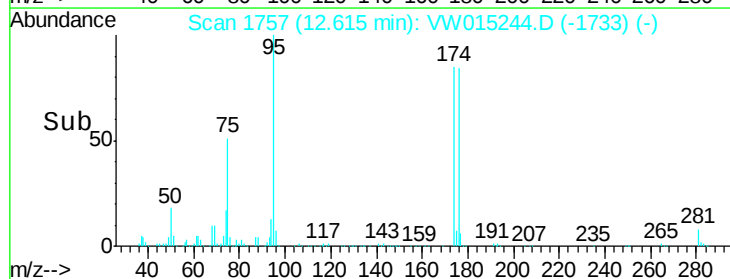
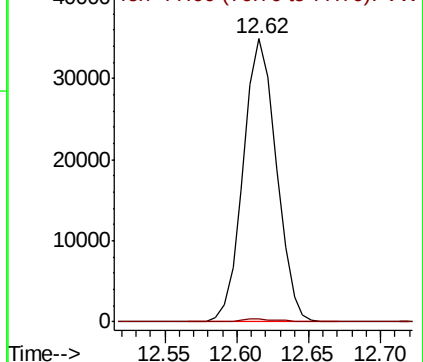
75 100

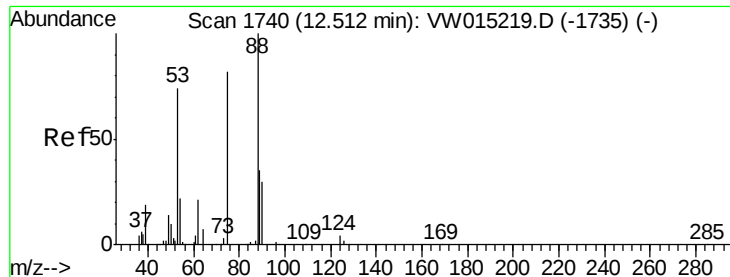
77 1.2 0.0 0.0#



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: 138.056 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015244.D

Acq: 21 Apr 2020 00:19

Instrument :

MSVOA_W

ClientSampleId :

WC-F1-VOA

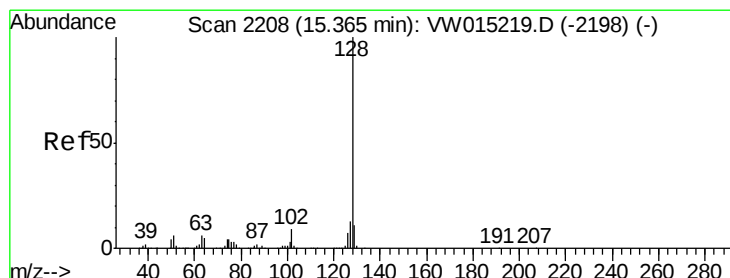
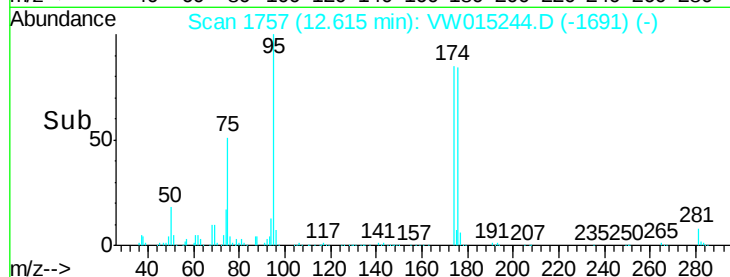
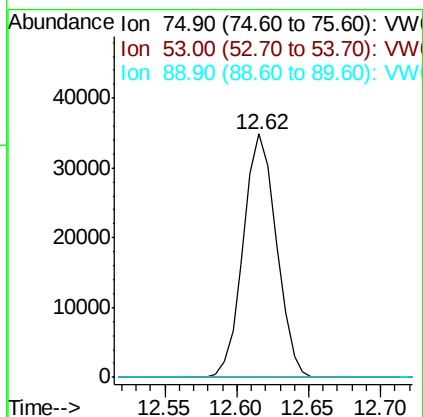
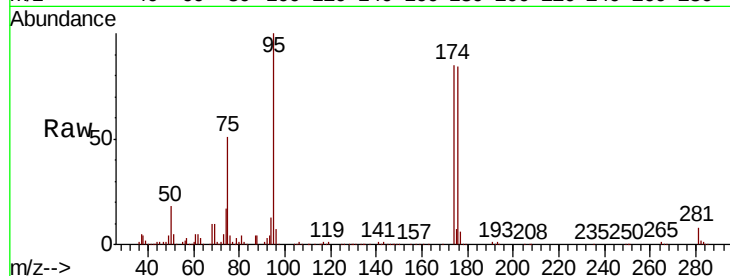
Tot Ion: 75 Resp: 55697

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.0 34.8 52.2#



#95

Naphthalene

Concen: 1.150 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015244.D

Acq: 21 Apr 2020 00:19

Tgt Ion: 128 Resp: 4032

Ion Ratio Lower Upper

128 100

127 16.9 10.3 15.5#

129 11.0 8.6 12.8

