

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015230.D
 Acq On : 20 Apr 2020 18:25
 Operator : SY/VA
 Sample : L2330-03
 Misc : 5.34G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WB-10-1

Quant Time: Apr 21 06:56:04 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	191304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	262047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	233075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	99155	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	73082	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	
35) Dibromofluoromethane	7.89	113	75279	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
50) Toluene-d8	10.32	98	315695	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.62	95	103288	44.33	ug/l	0.00
Spiked Amount			Recovery	=	88.66%	

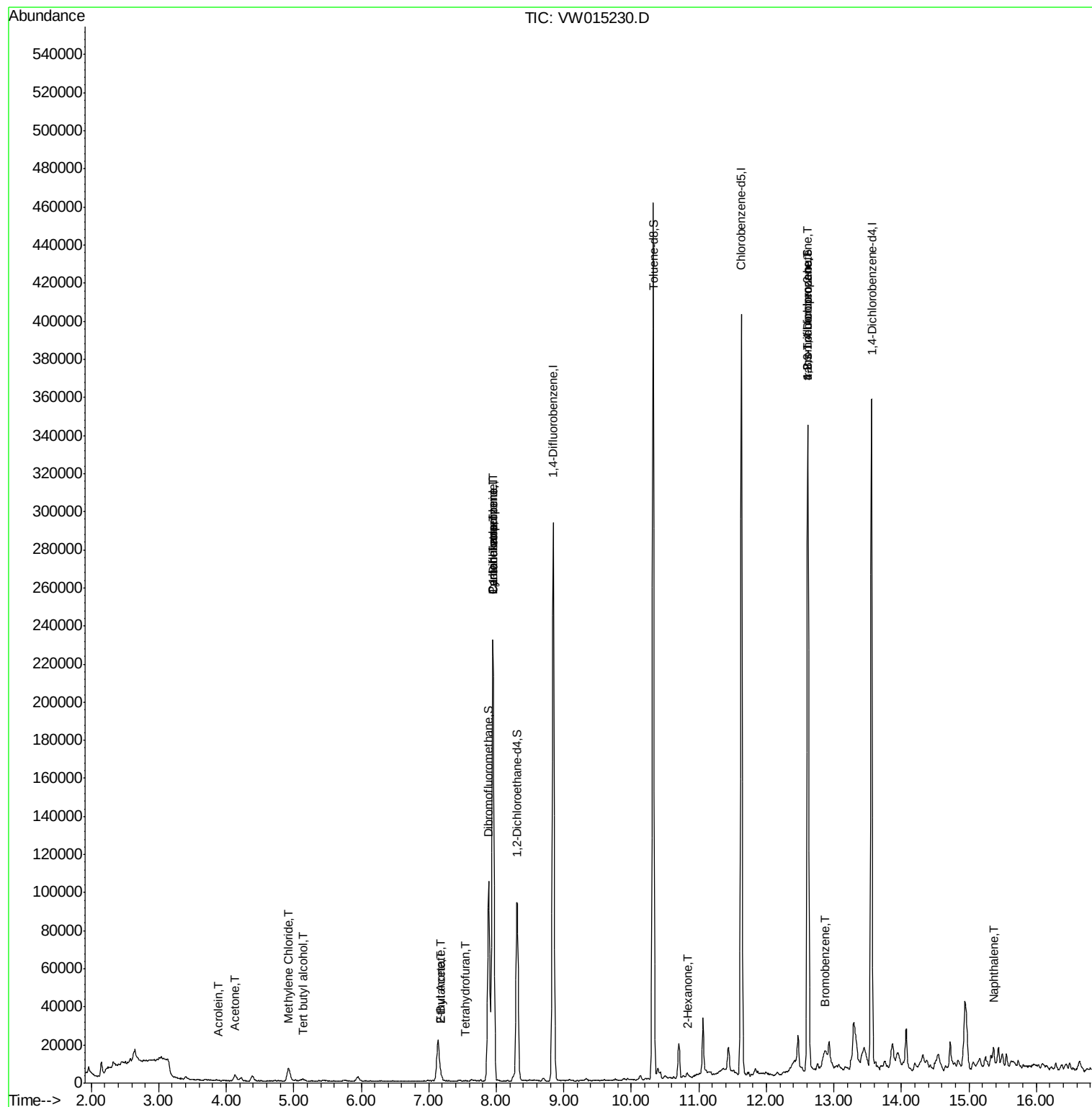
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	1267	9.935	ug/l #	72
13) Acrolein	3.89	56	172	2.577	ug/l #	15
16) Acetone	4.13	43	5752	21.051	ug/l	97
20) Methylene Chloride	4.92	84	5547	3.098	ug/l	89
25) 2-Butanone	7.18	43	4847	13.371	ug/l #	84
29) Tetrahydrofuran	7.54	42	375	1.660	ug/l #	63
31) Cyclohexane	7.95	56	3815	1.319	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	12794	5.409	ug/l #	49
37) Ethyl Acetate	7.18	43	4847	6.315	ug/l #	67
38) Carbon Tetrachloride	7.95	117	16973	6.567	ug/l #	19
59) 2-Hexanone	10.83	43	1470	2.725	ug/l	70
76) 1,2,3-Trichloropropane	12.62	75	52861	68.913	ug/l #	100
77) Bromobenzene	12.88	156	15360	9.725	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	52861	150.644	ug/l #	15
95) Naphthalene	15.36	128	9601	3.149	ug/l #	94

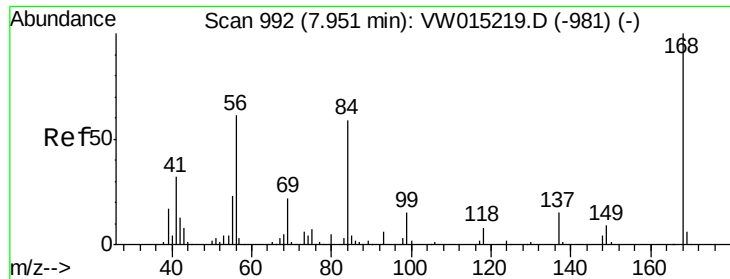
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042020\
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Quant Title : SW846 8260
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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: VW015230.D

Acq: 20 Apr 2020 18:25

Instrument :

MSVOA_W

ClientSampled :

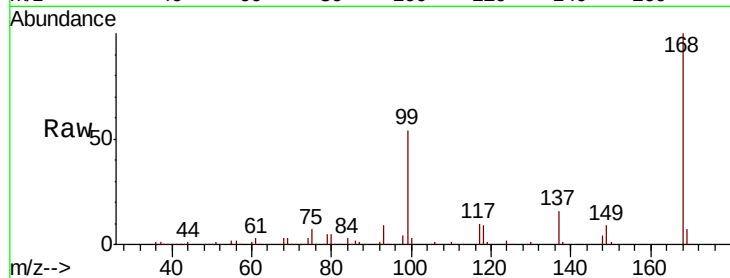
WB-10-1

Tot Ion:168 Resp: 191304

Ion Ratio Lower Upper

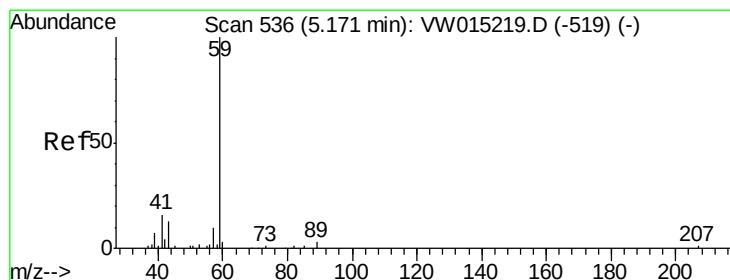
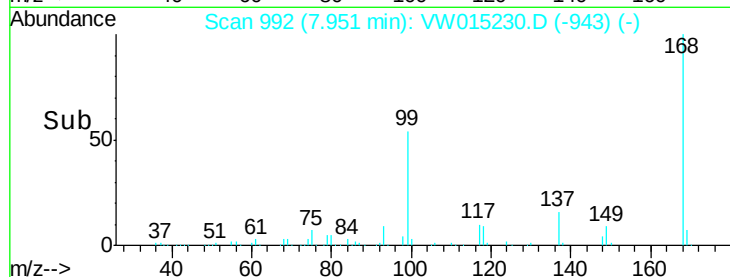
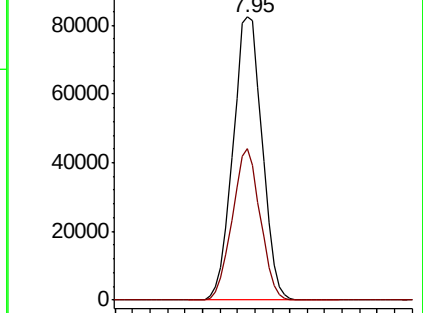
168 100

99 53.5 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: 9.935 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.02 min

Lab File: VW015230.D

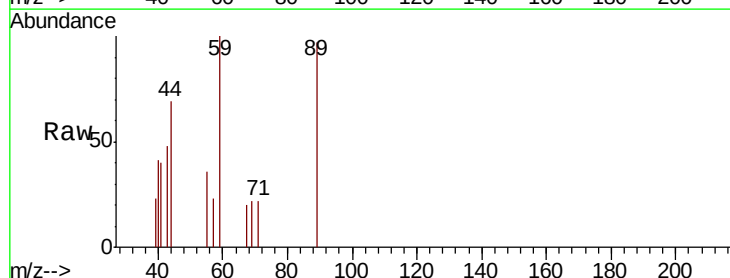
Acq: 20 Apr 2020 18:25

Tgt Ion: 59 Resp: 1267

Ion Ratio Lower Upper

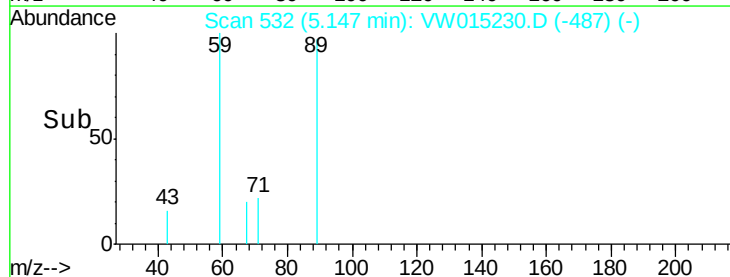
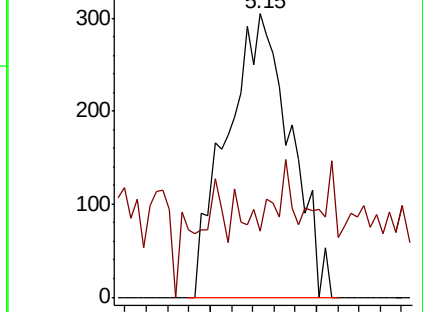
59 100

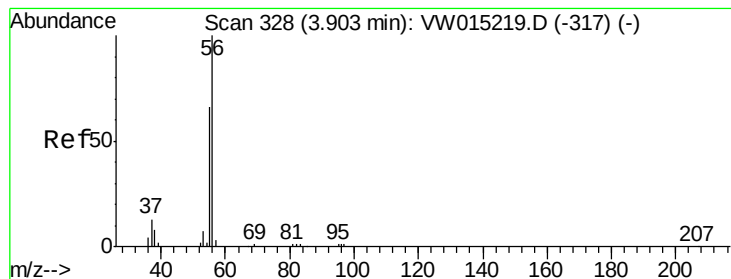
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 2.577 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW015230.D

Acq: 20 Apr 2020 18:25

Instrument :

MSVOA_W

ClientSampleId :

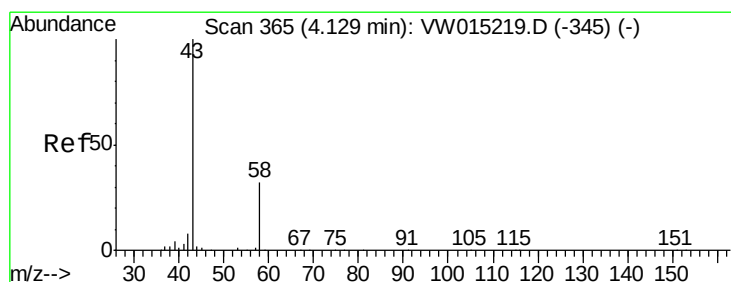
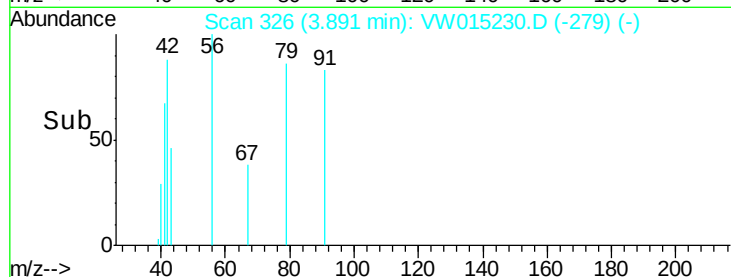
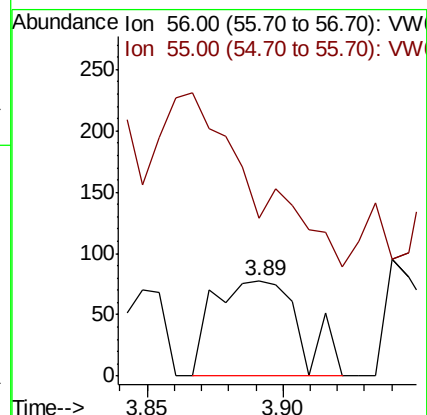
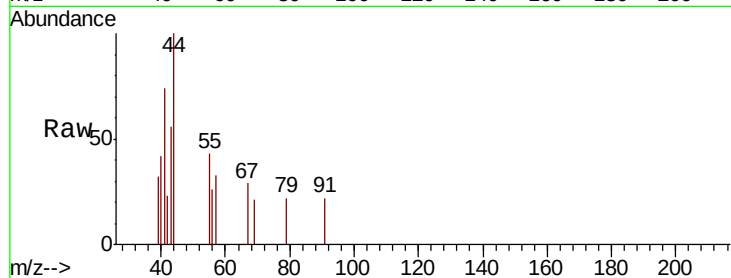
WB-10-1

Tot Ion: 56 Resp: 172

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.2#



#16

Acetone

Concen: 21.051 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW015230.D

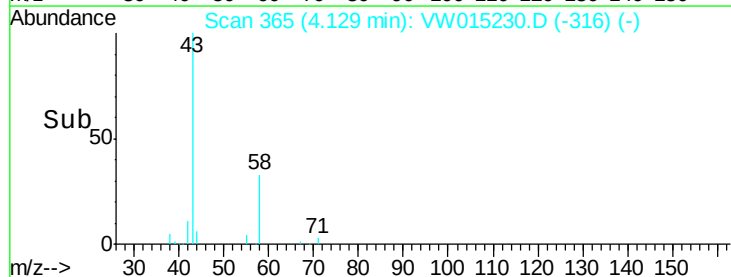
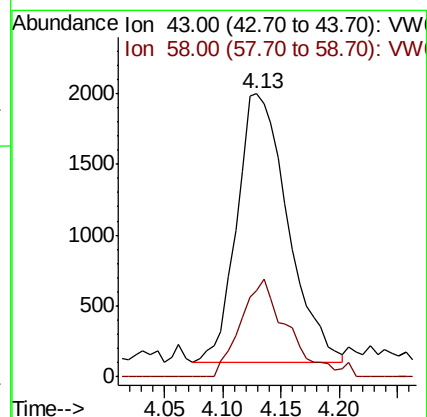
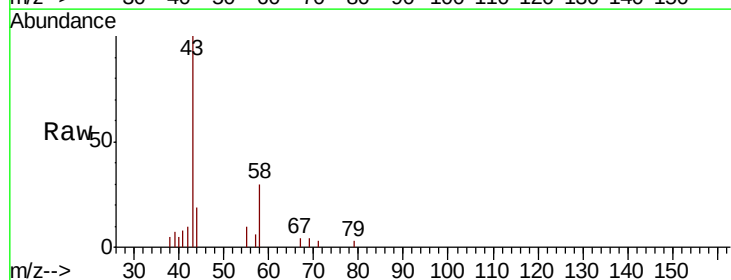
Acq: 20 Apr 2020 18:25

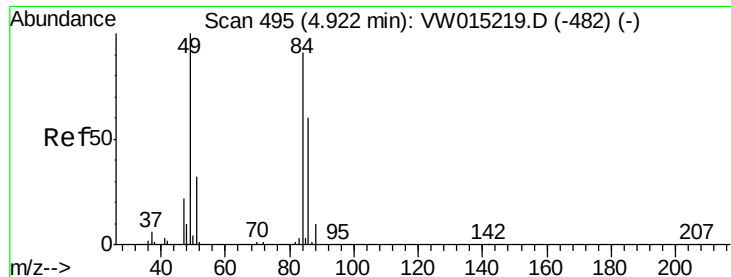
Tgt Ion: 43 Resp: 5752

Ion Ratio Lower Upper

43 100

58 32.1 27.0 40.4

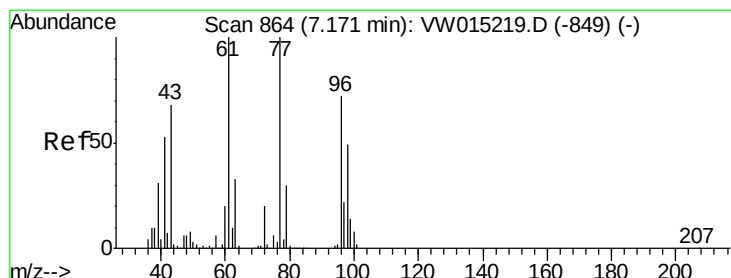
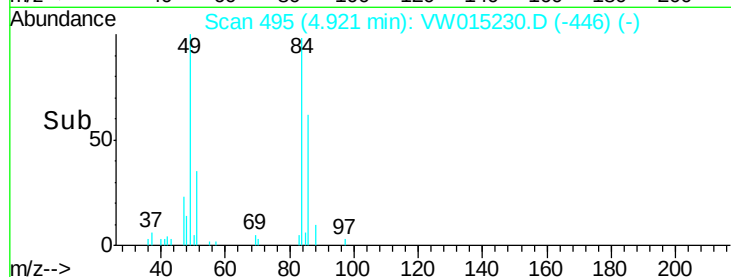
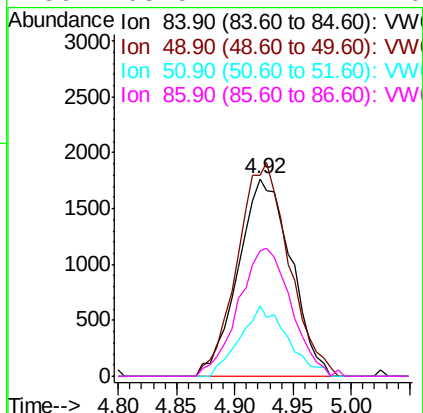
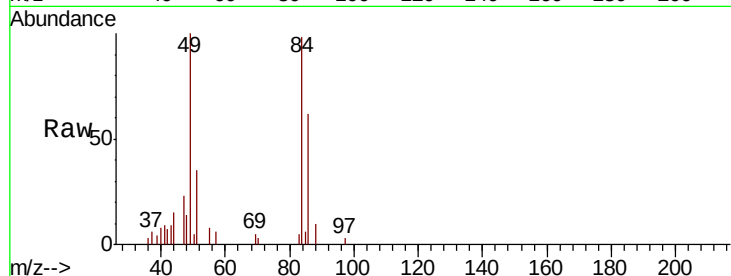




#20
Methylene Chloride
Concen: 3.098 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW015230.D
Acq: 20 Apr 2020 18:25

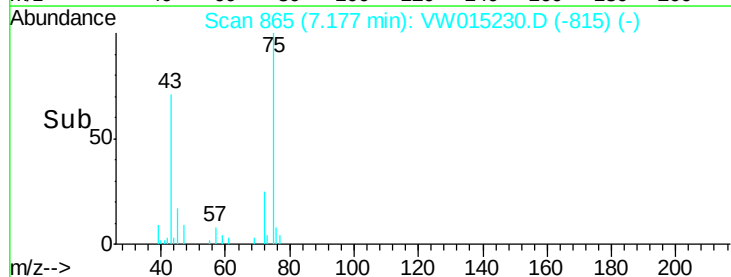
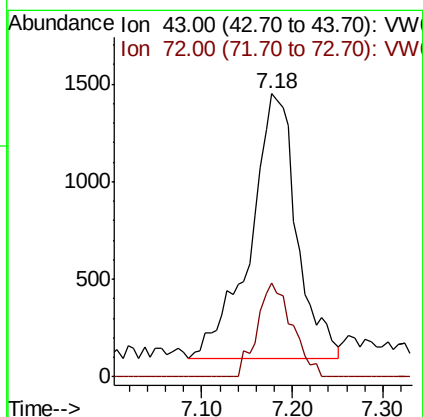
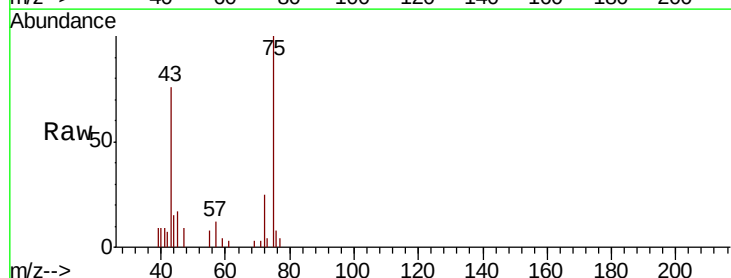
Instrument :
MSVOA_W
ClientSampleId :
WB-10-1

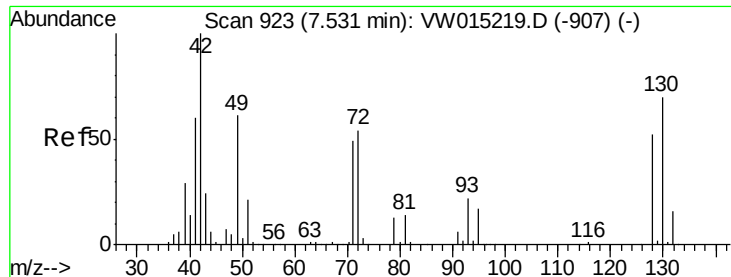
Tot Ion: 84 Resp: 5547
Ion Ratio Lower Upper
84 100
49 101.6 95.4 143.0
51 35.4 29.8 44.8
86 63.5 47.4 71.0



#25
2-Butanone
Concen: 13.371 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW015230.D
Acq: 20 Apr 2020 18:25

Tgt Ion: 43 Resp: 4847
Ion Ratio Lower Upper
43 100
72 35.4 21.6 32.4#





#29

Tetrahydrofuran

Concen: 1.660 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW015230.D

Acq: 20 Apr 2020 18:25

Instrument :

MSVOA_W

ClientSampleID :

WB-10-1

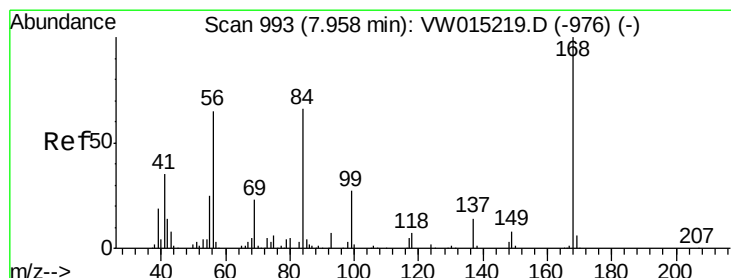
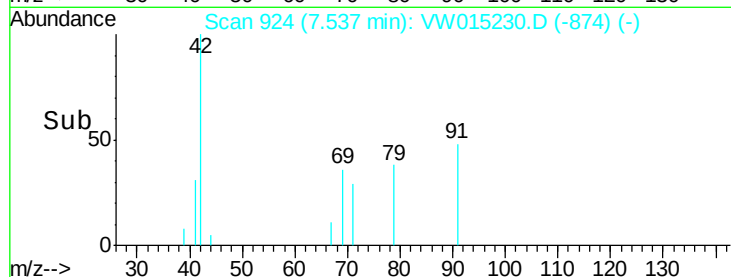
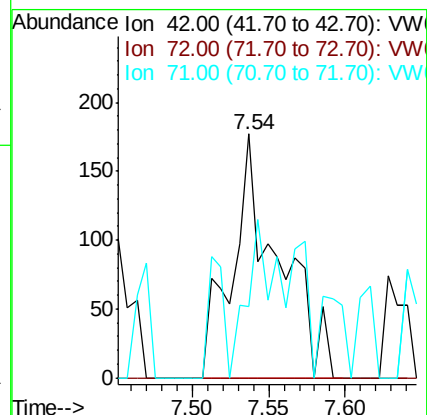
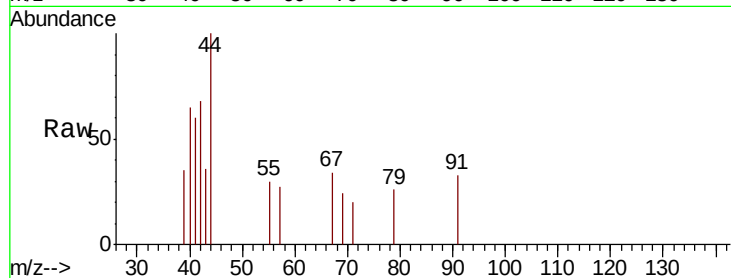
Tot Ion: 42 Resp: 375

Ion Ratio Lower Upper

42 100

72 0.0 36.2 54.2#

71 40.5 34.2 51.4



#31

Cyclohexane

Concen: 1.319 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015230.D

Acq: 20 Apr 2020 18:25

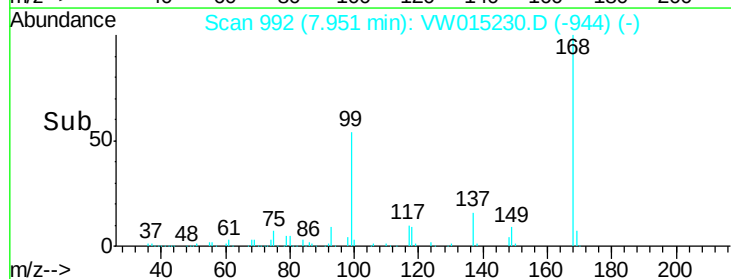
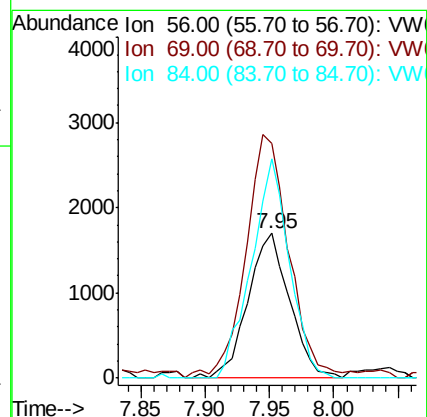
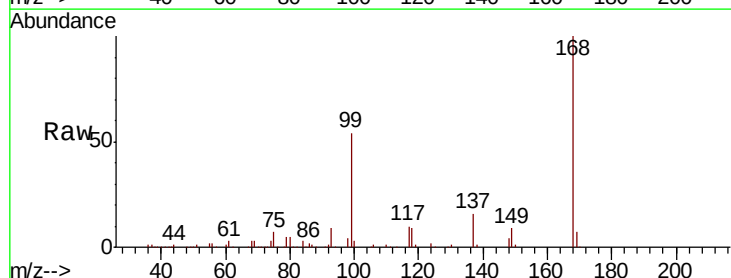
Tgt Ion: 56 Resp: 3815

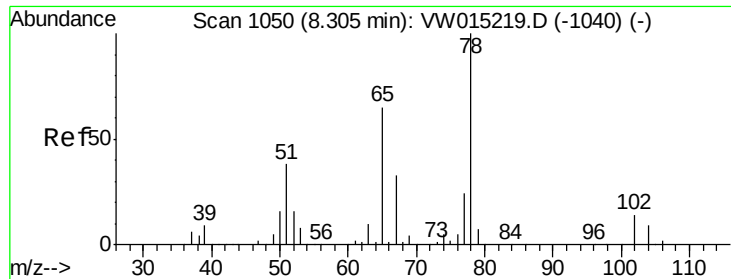
Ion Ratio Lower Upper

56 100

69 158.5 27.1 40.7#

84 151.5 71.9 107.9#

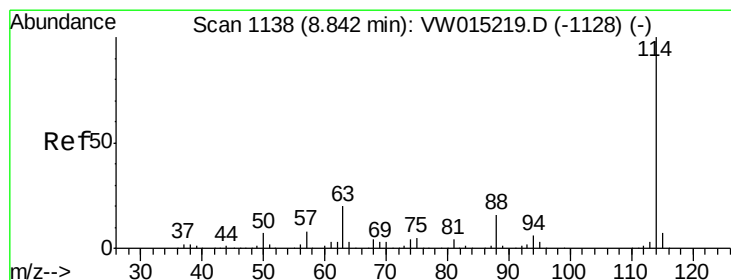
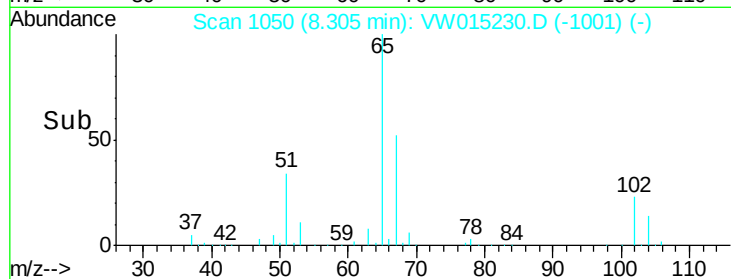
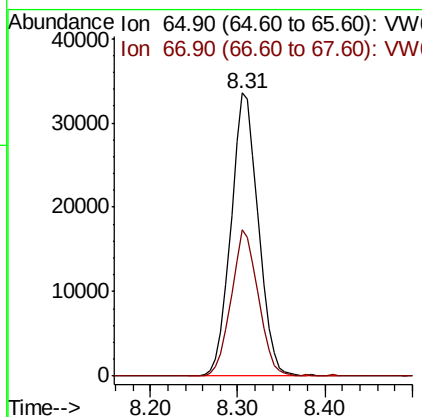
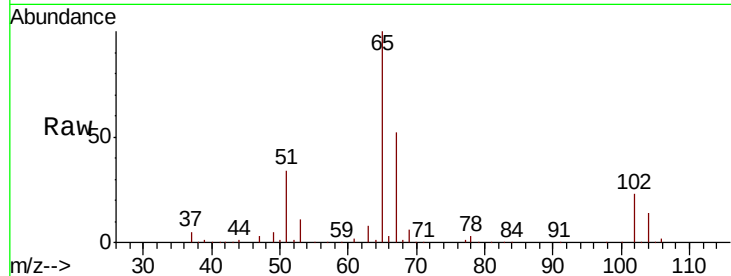




#33
 1,2-Dichloroethane-d4
 Concen: 46.716 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015230.D
 Acq: 20 Apr 2020 18:25

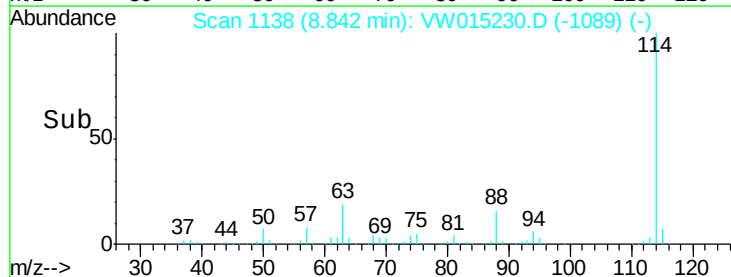
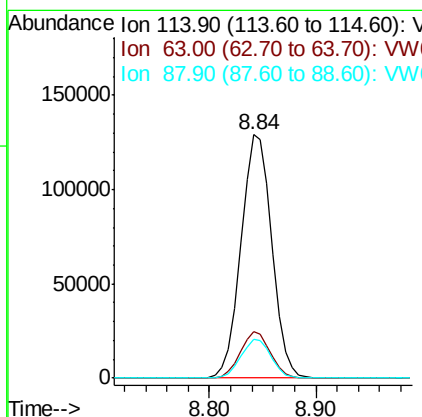
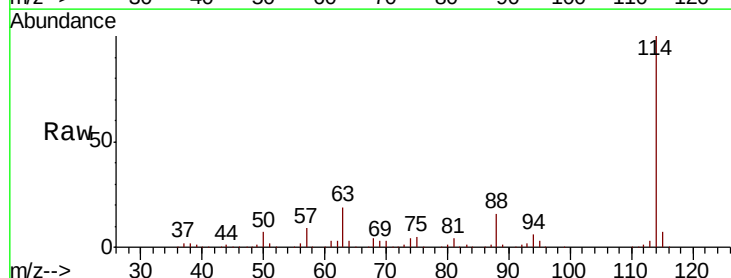
Instrument :
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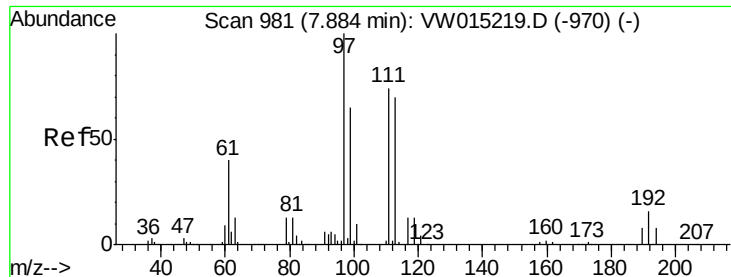
Tot Ion: 65 Resp: 73082
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015230.D
 Acq: 20 Apr 2020 18:25

Tgt Ion: 114 Resp: 262047
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.8
 88 16.0 0.0 30.2

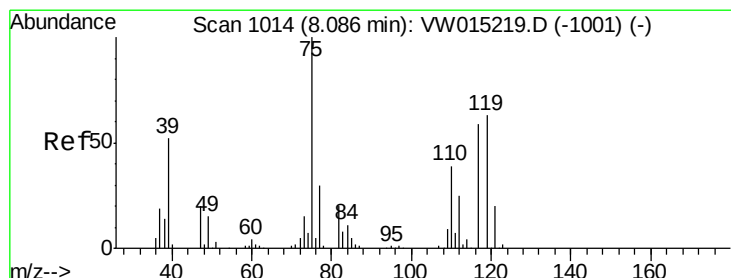
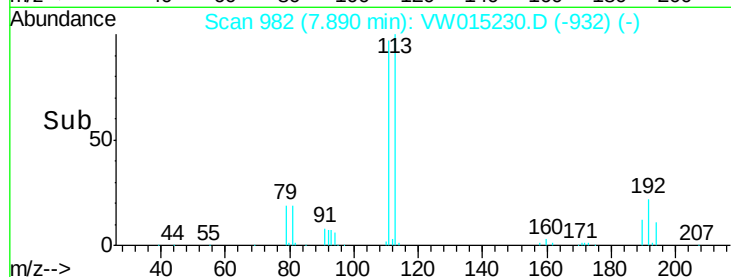
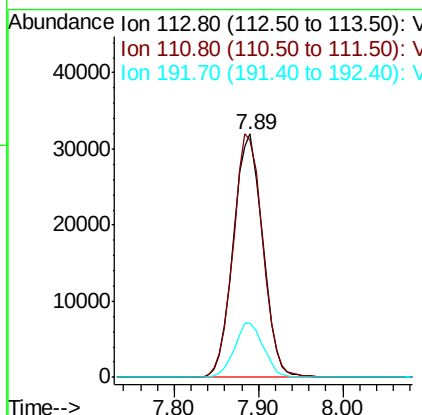
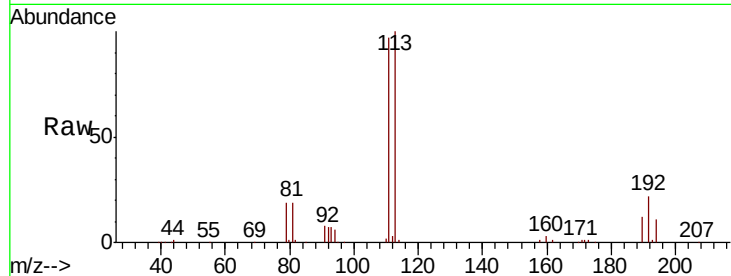




#35
 Dibromofluoromethane
 Concen: 51.862 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW015230.D
 Acq: 20 Apr 2020 18:25

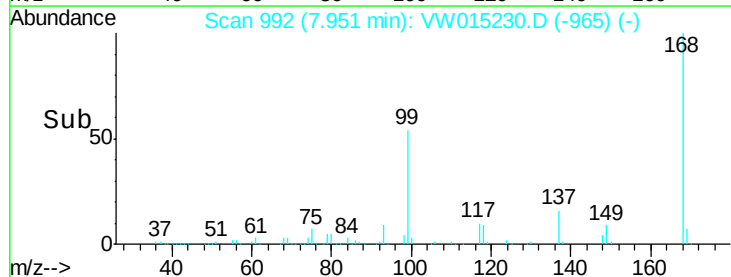
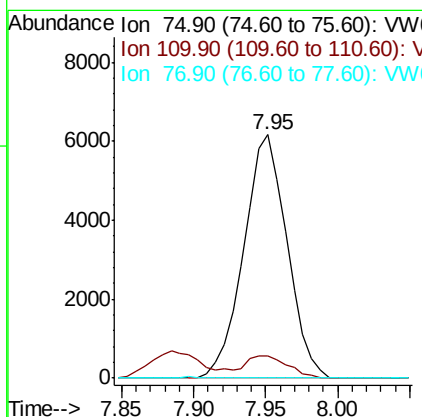
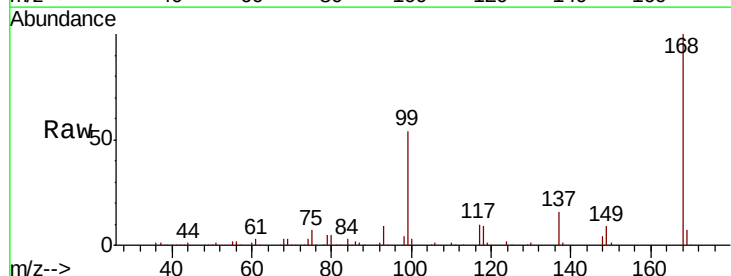
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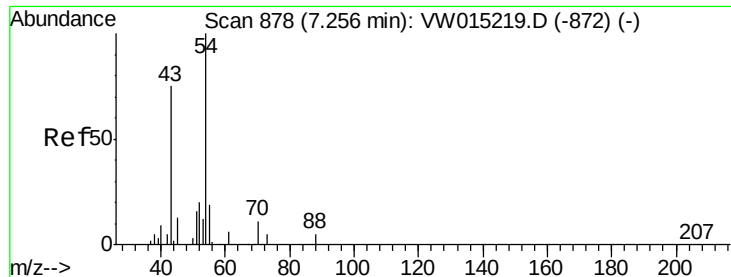
Tot Ion:113 Resp: 75279
 Ion Ratio Lower Upper
 113 100
 111 100.7 83.0 124.4
 192 22.1 15.1 22.7



#36
 1,1-Dichloropropene
 Concen: 5.409 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015230.D
 Acq: 20 Apr 2020 18:25

Tgt Ion: 75 Resp: 12794
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.2 54.6#
 77 0.0 24.5 36.7#

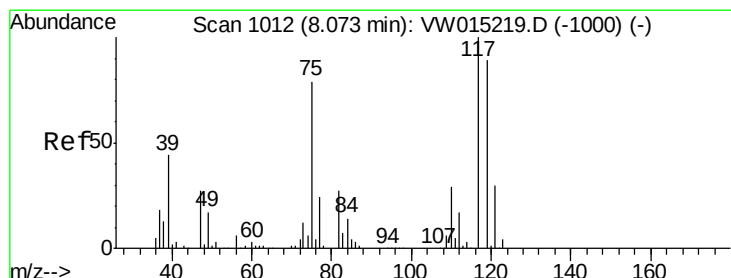
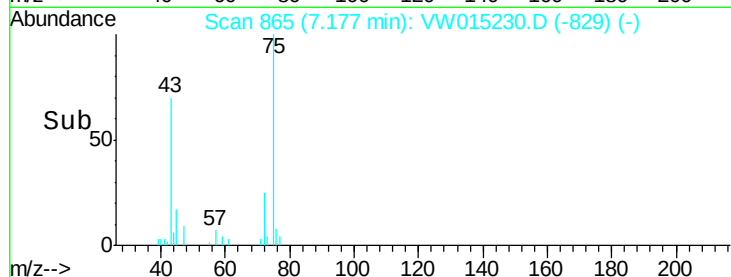
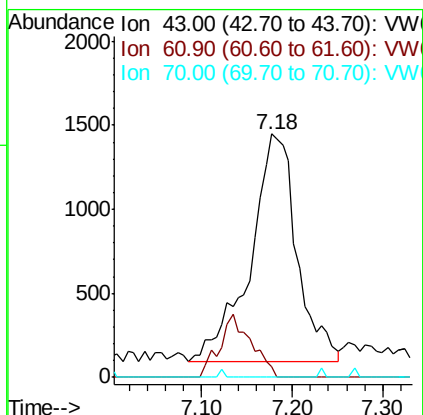
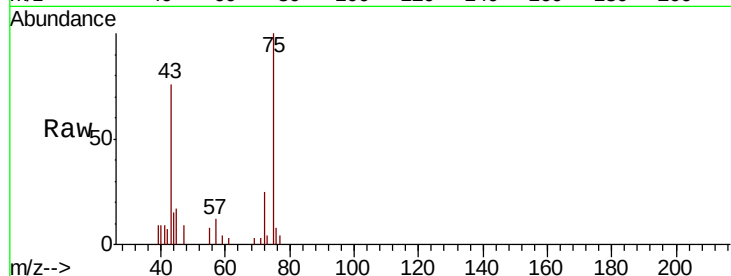




#37
Ethyl Acetate
Concen: 6.315 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.08 min
Lab File: VW015230.D
Acq: 20 Apr 2020 18:25

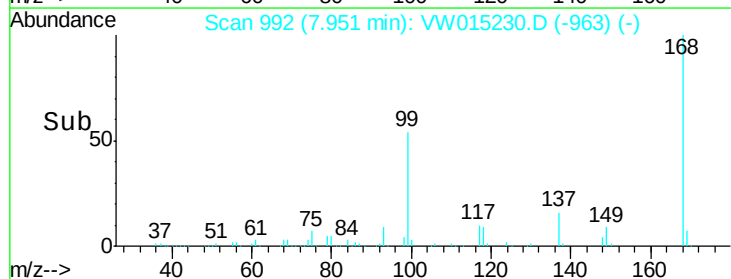
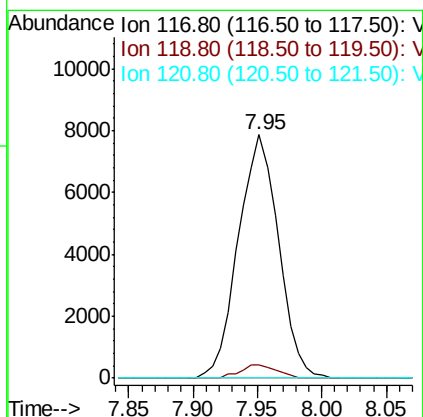
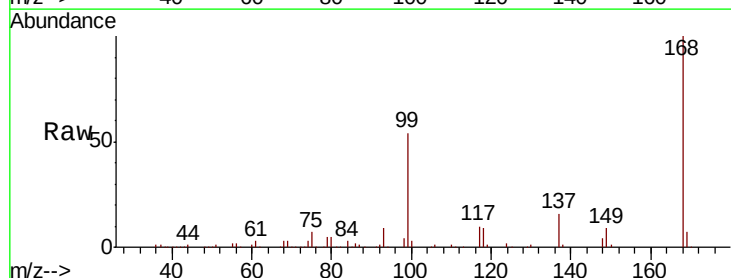
Instrument :
MSVOA_W
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WB-10-1

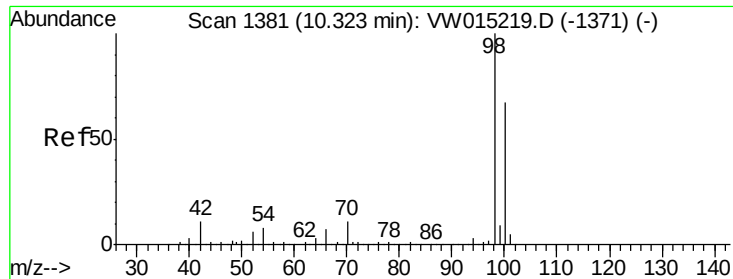
Tot Ion: 43 Resp: 4847
Ion Ratio Lower Upper
43 100
61 0.0 11.9 17.9#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 6.567 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW015230.D
Acq: 20 Apr 2020 18:25

Tgt Ion: 117 Resp: 16973
Ion Ratio Lower Upper
117 100
119 5.4 72.3 108.5#
121 0.0 23.7 35.5#

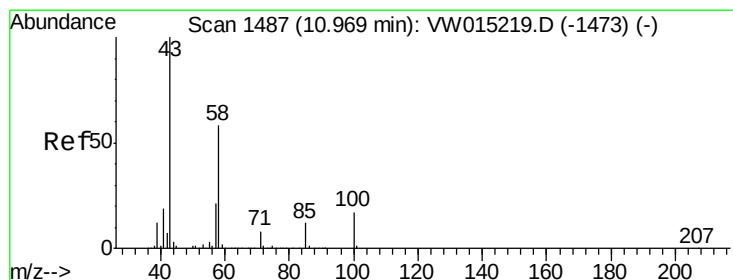
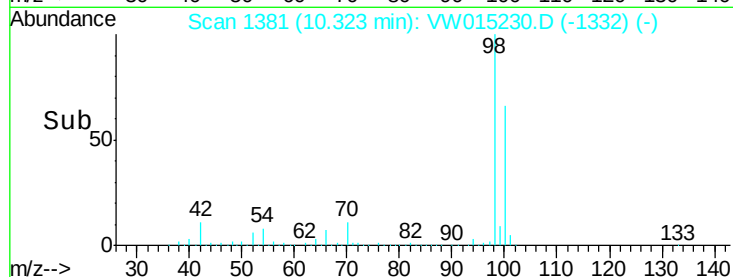
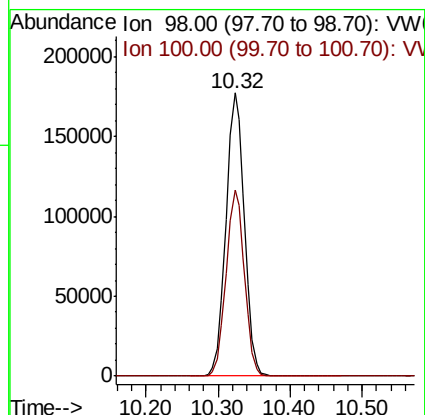
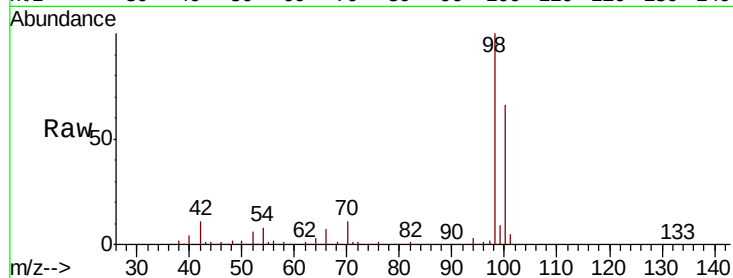




#50
Toluene-d8
Concen: 51.701 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015230.D
Acq: 20 Apr 2020 18:25

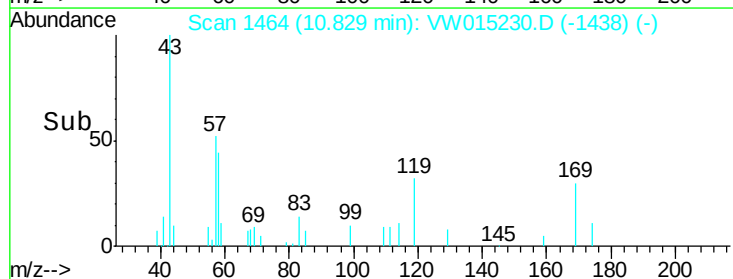
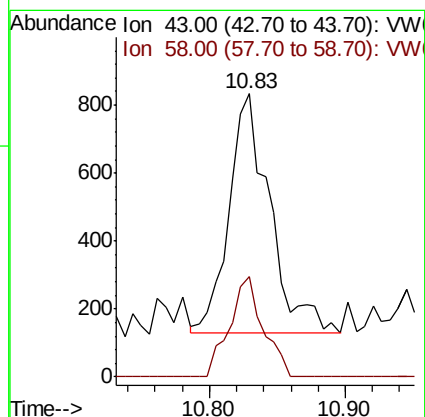
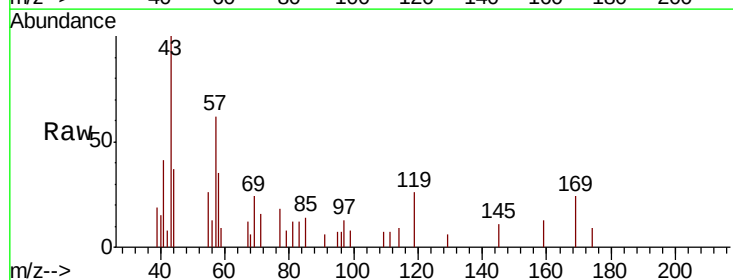
Instrument :
MSVOA_W
ClientSampled :
WB-10-1

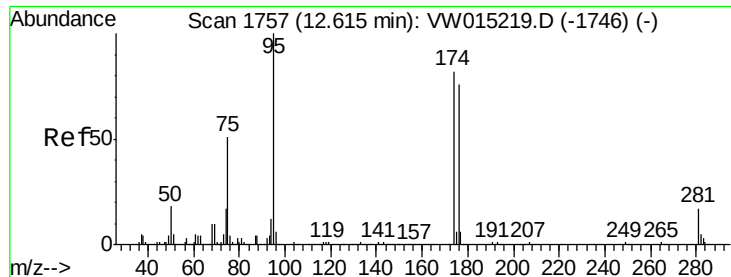
Tot Ion: 98 Resp: 315695
Ion Ratio Lower Upper
98 100
100 65.6 52.9 79.3



#59
2-Hexanone
Concen: 2.725 ug/l
RT: 10.83 min Scan# 1464
Delta R.T. -0.14 min
Lab File: VW015230.D
Acq: 20 Apr 2020 18:25

Tgt Ion: 43 Resp: 1470
Ion Ratio Lower Upper
43 100
58 34.4 28.1 84.3

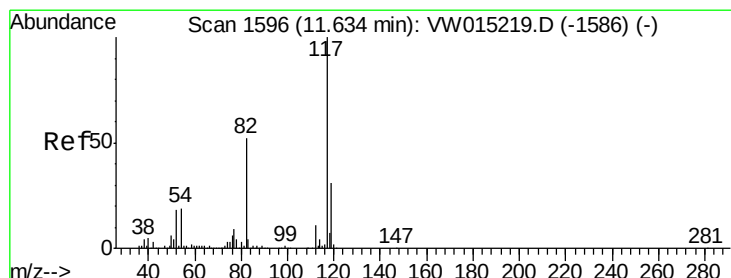
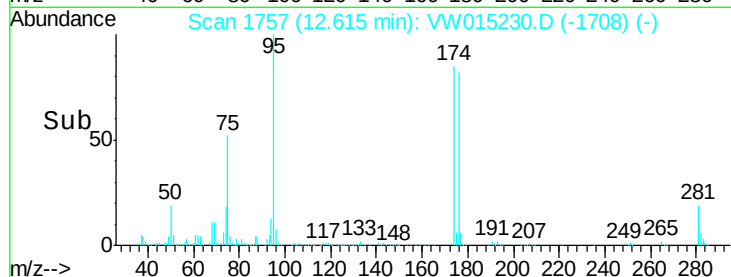
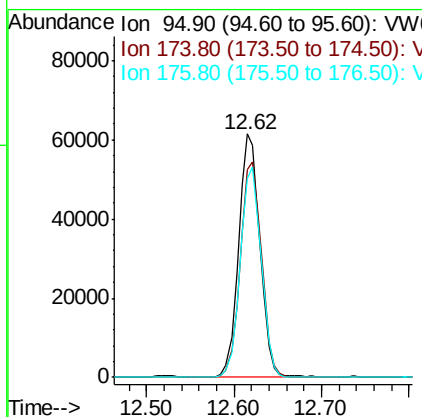
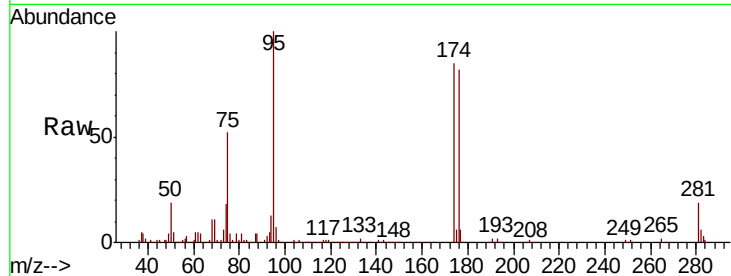




#62
4-Bromofluorobenzene
Concen: 44.334 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW015230.D
Acq: 20 Apr 2020 18:25

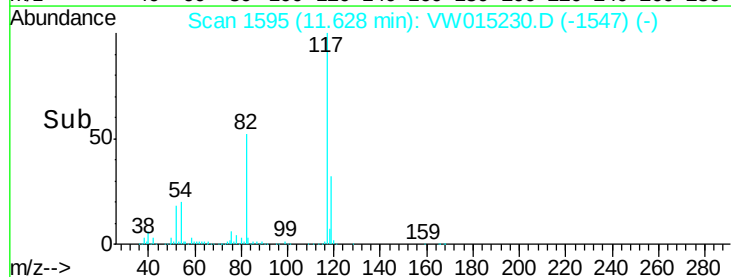
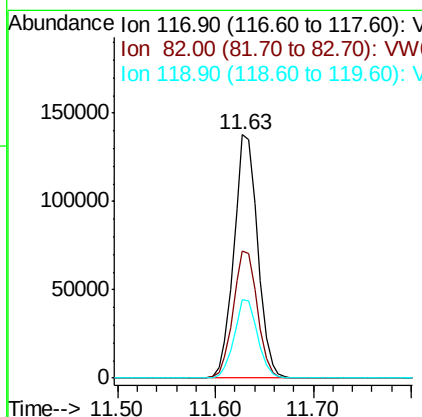
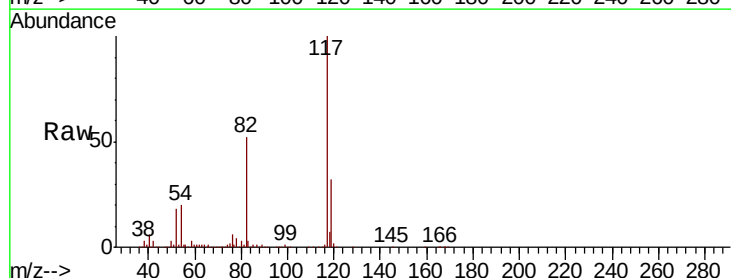
Instrument :
MSVOA_W
ClientSampleId :
WB-10-1

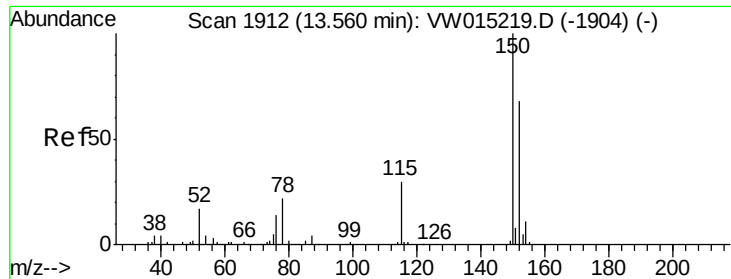
Tot Ion	95	Resp	103288
Ion Ratio	Lower	Upper	
95	100		
174	88.9	0.0	144.4
176	86.0	0.0	140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015230.D
Acq: 20 Apr 2020 18:25

Tgt Ion	117	Resp	233075
Ion Ratio	Lower	Upper	
117	100		
82	52.0	44.1	66.1
119	32.1	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: VW015230.D

Acq: 20 Apr 2020 18:25

Instrument :

MSVOA_W

ClientSampled :

WB-10-1

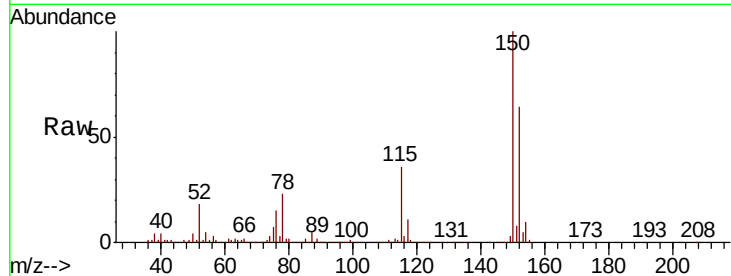
Tot Ion:152 Resp: 99155

Ion Ratio Lower Upper

152 100

115 57.4 31.3 93.9

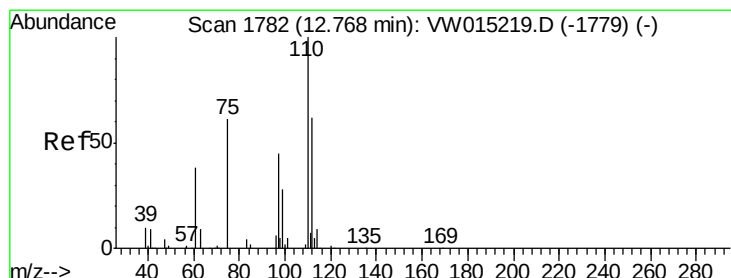
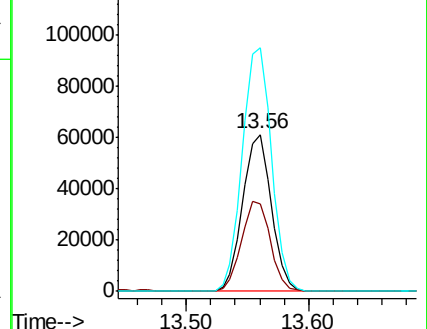
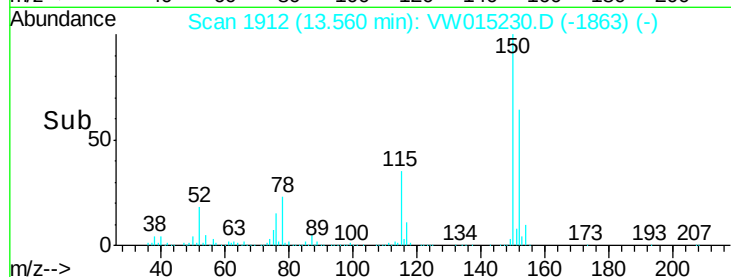
150 159.0 0.0 343.4



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



#76

1,2,3-Trichloropropane

Concen: 68.913 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015230.D

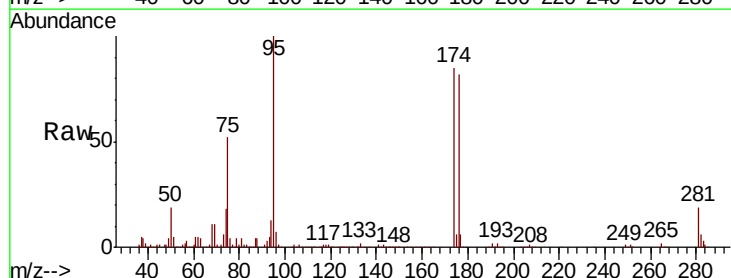
Acq: 20 Apr 2020 18:25

Tgt Ion: 75 Resp: 52861

Ion Ratio Lower Upper

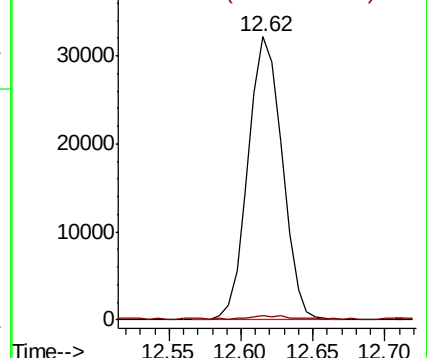
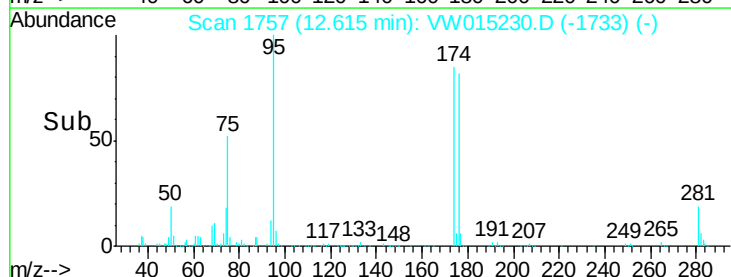
75 100

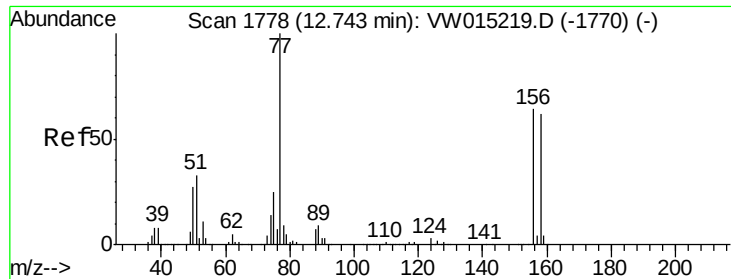
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 9.725 ug/l

RT: 12.88 min Scan# 1800

Delta R.T. 0.13 min

Lab File: VW015230.D

Acq: 20 Apr 2020 18:25

Instrument :

MSVOA_W

ClientSampleId :

WB-10-1

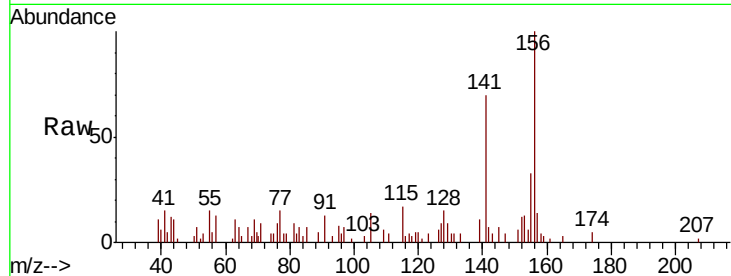
Tot Ion:156 Resp: 15360

Ion Ratio Lower Upper

156 100

77 1.3 100.5 301.5#

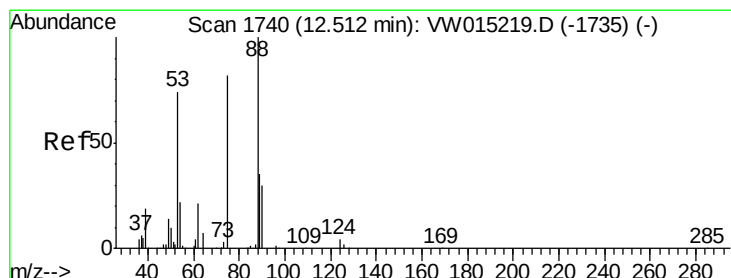
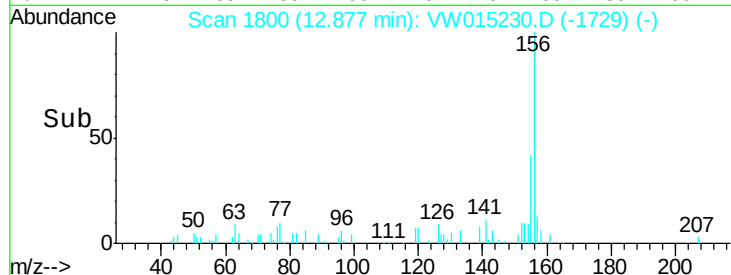
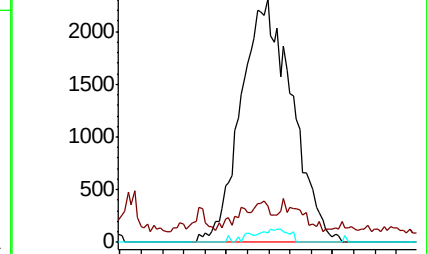
158 0.0 47.9 143.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 150.644 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015230.D

Acq: 20 Apr 2020 18:25

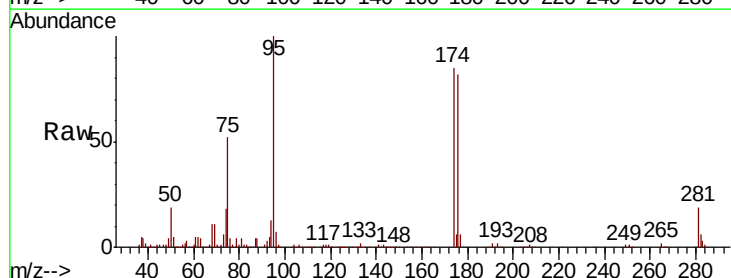
Tgt Ion: 75 Resp: 52861

Ion Ratio Lower Upper

75 100

53 0.1 69.4 104.2#

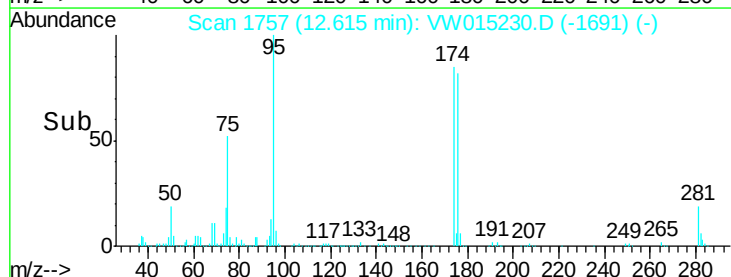
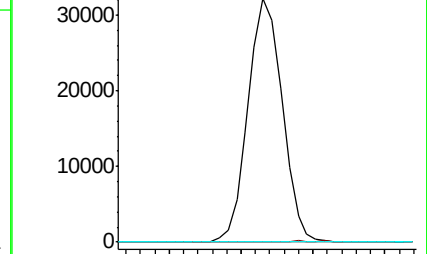
89 0.1 34.8 52.2#

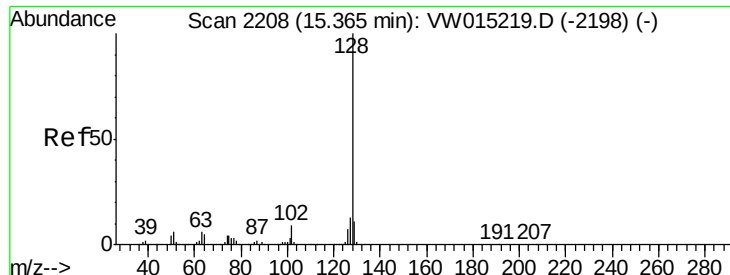


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 3.149 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015230.D

Acq: 20 Apr 2020 18:25

Instrument :

MSVOA_W

ClientSampleId :

WB-10-1

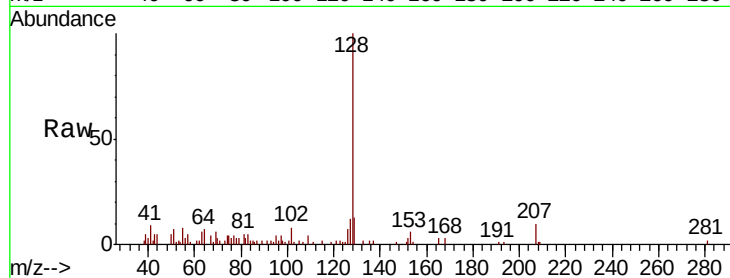
Tot Ion:128 Resp: 9601

Ion Ratio Lower Upper

128 100

127 14.9 10.3 15.5

129 13.6 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

