

Data File : VW010496.D
Acq On : 21 May 2019 19:11
Operator : SY/VA
Sample : K2974-01
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BP-VPB202-GW-823-825

Quant Time: May 22 06:45:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	113851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	217718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	194183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	84718	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	75728	64.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.88%	
35) Dibromofluoromethane	7.88	113	69742	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
50) Toluene-d8	10.32	98	267829	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
62) 4-Bromofluorobenzene	12.62	95	102617	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	

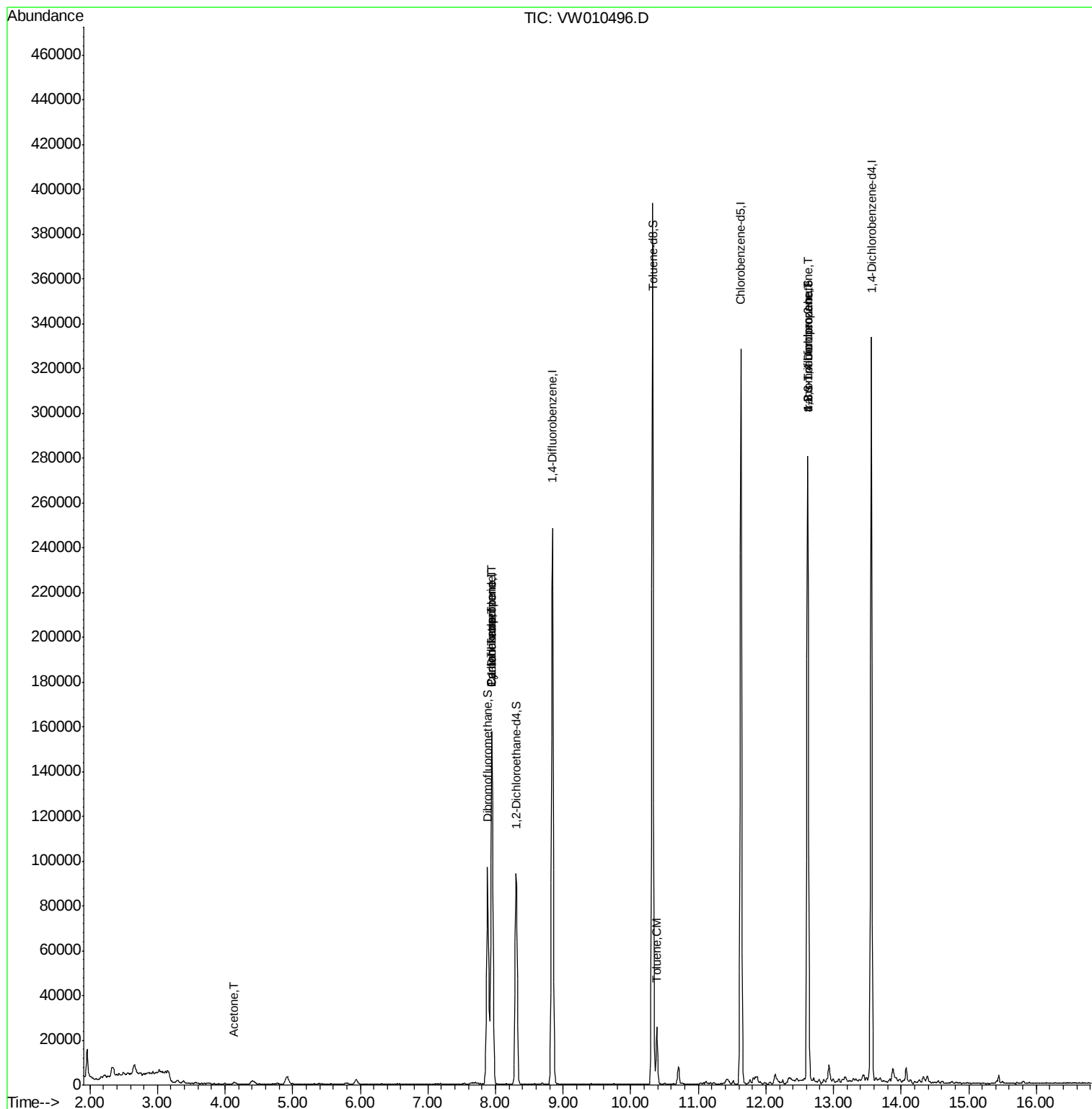
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.00	85	109	Below Cal	#	42
13) Acrolein	3.81	56	19	Below Cal	#	13
16) Acetone	4.14	43	1505	6.274	ug/l	92
20) Methylene Chloride	4.92	84	2945	Below Cal		86
31) Cyclohexane	7.95	56	2463	1.104	ug/l	# 15
36) 1,1-Dichloropropene	7.95	75	9437	4.653	ug/l	# 47
38) Carbon Tetrachloride	7.95	117	12541	5.732	ug/l	# 15
52) Toluene	10.39	92	11148	2.945	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	49569	57.642	ug/l	# 1
81) trans-1,4-Dichloro-2-buten	12.62	75	49569	120.301	ug/l	# 14

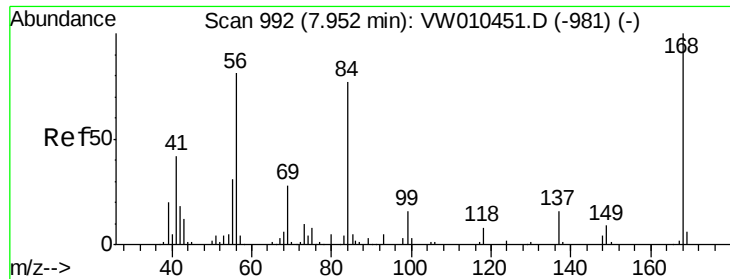
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

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Acq: 21 May 2019 19:11

Instrument :

MSVOA_W

ClientSampleId :

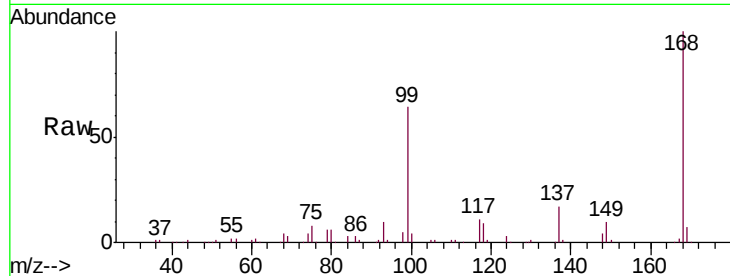
BP-VPB202-GW-823-825

Tgt Ion: 168 Resp: 113851

Ion Ratio Lower Upper

168 100

99 64.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

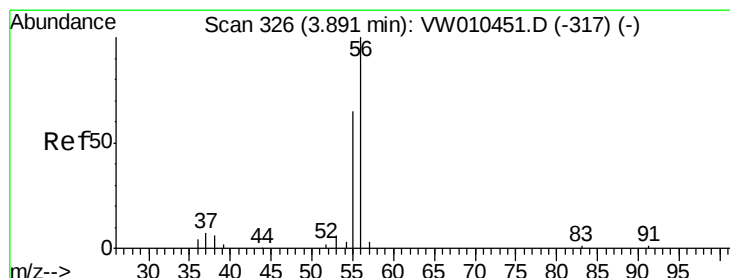
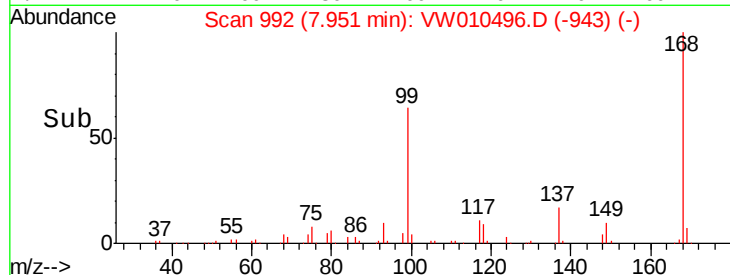
30000

20000

10000

0

Time-->



#13

Acrolein

Concen: Below Cal

RT: 3.81 min Scan# 313

Delta R.T. -0.08 min

Lab File: VW010496.D

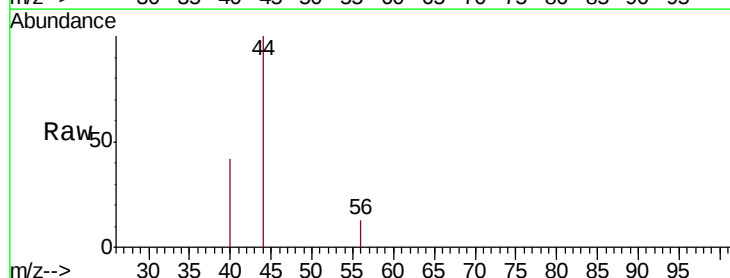
Acq: 21 May 2019 19:11

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 0.0 57.9 86.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.81

80

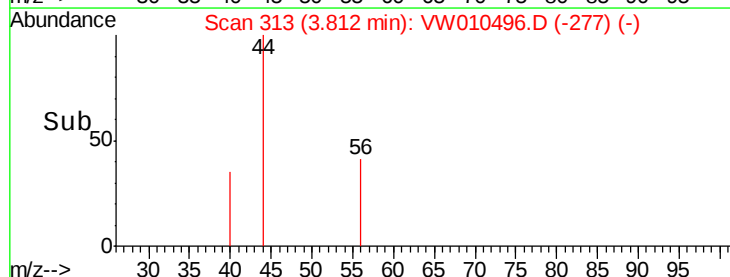
60

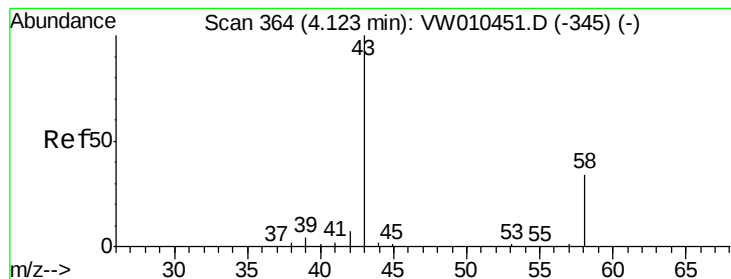
40

20

0

Time-->





#16

Acetone

Concen: 6.274 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010496.D

Acq: 21 May 2019 19:11

Instrument :

MSVOA_W

ClientSampleId :

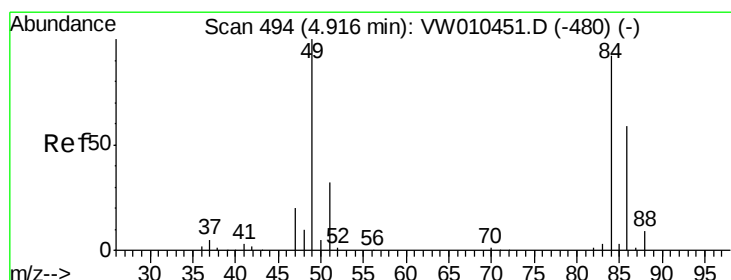
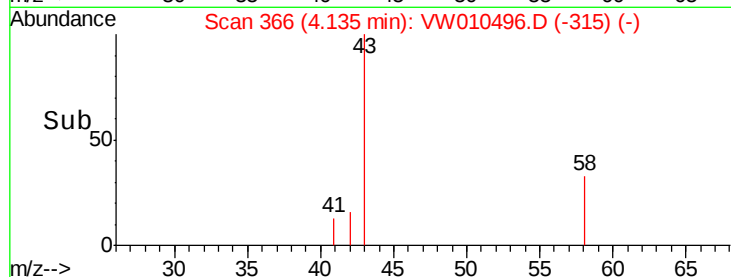
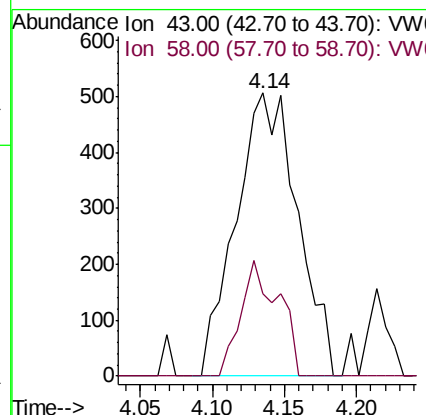
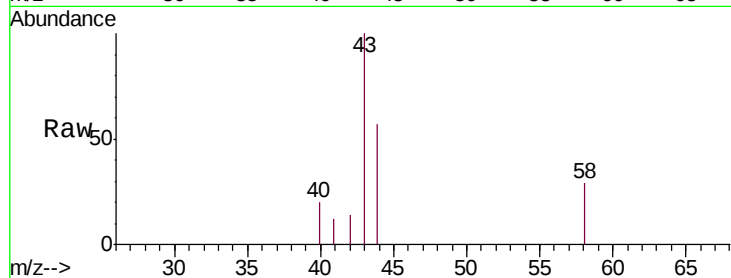
BP-VPB202-GW-823-825

Tgt Ion: 43 Resp: 1505

Ion Ratio Lower Upper

43 100

58 29.2 27.0 40.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010496.D

Acq: 21 May 2019 19:11

Tgt Ion: 84 Resp: 2945

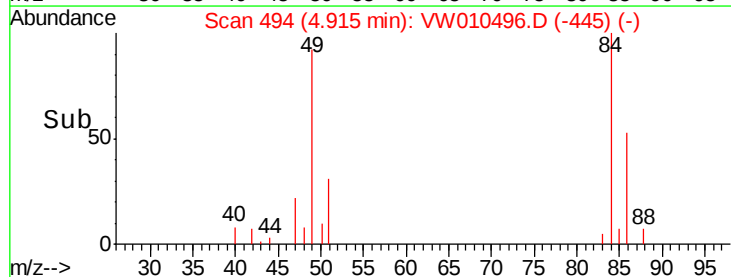
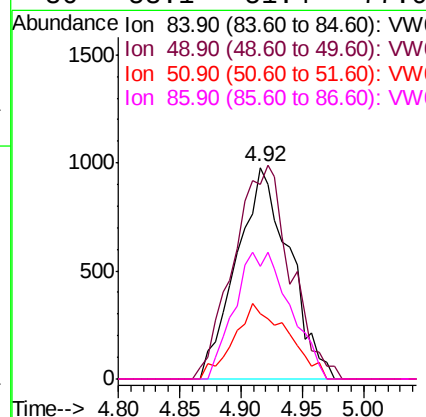
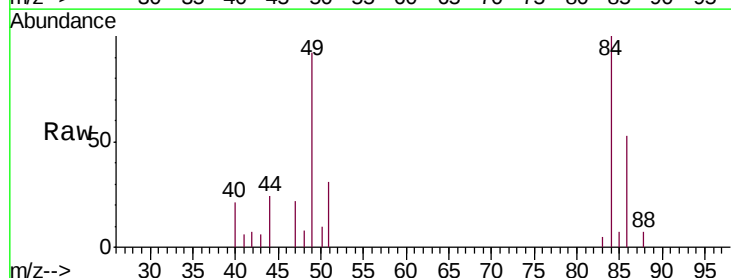
Ion Ratio Lower Upper

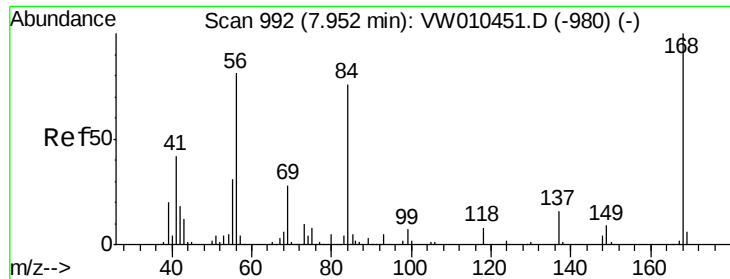
84 100

49 91.7 87.2 130.8

51 30.9 27.7 41.5

86 53.1 51.4 77.0

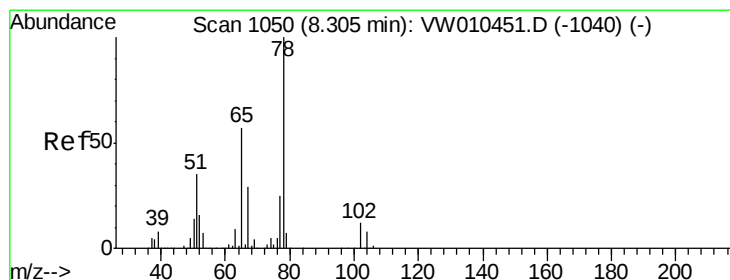
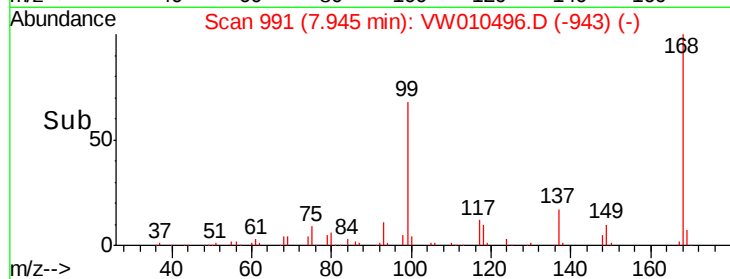
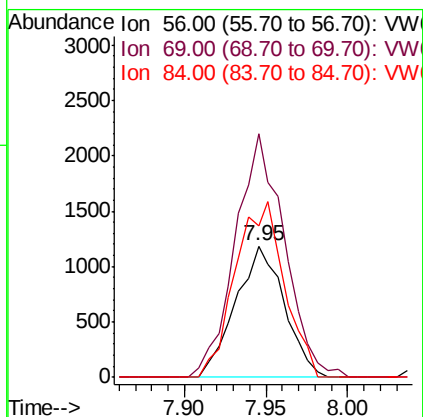
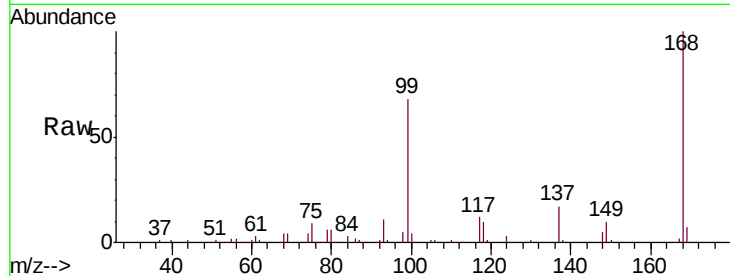




#31
Cyclohexane
Concen: 1.104 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010496.D
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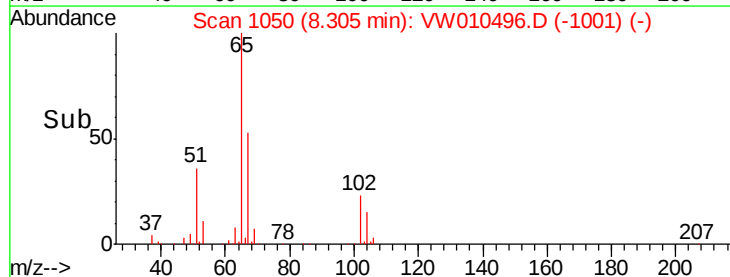
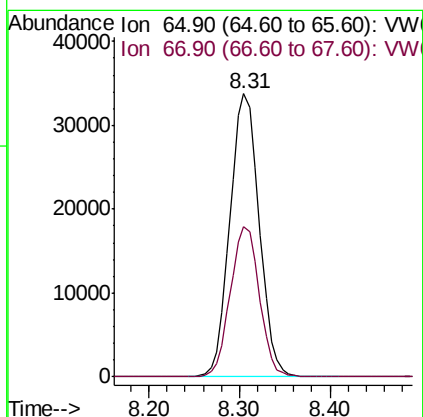
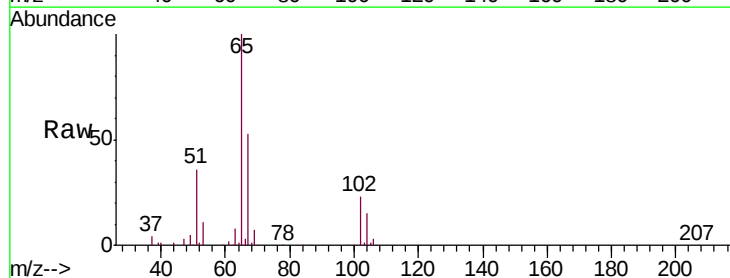
Instrument :
MSVOA_W
ClientSampleId :
BP-VPB202-GW-823-825

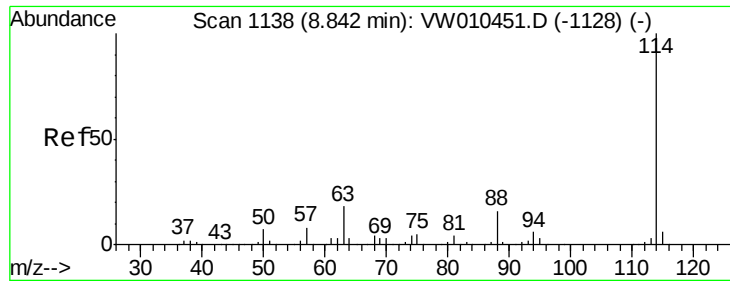
Tgt Ion: 56 Resp: 2463
Ion Ratio Lower Upper
56 100
69 185.8 28.2 42.2#
84 115.3 75.8 113.8#



#33
1,2-Dichloroethane-d4
Concen: 64.442 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010496.D
Acq: 21 May 2019 19:11

Tgt Ion: 65 Resp: 75728
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.6

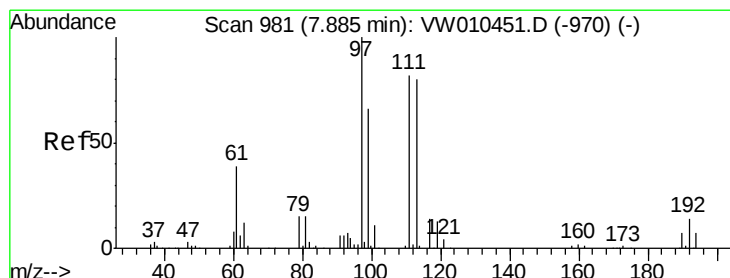
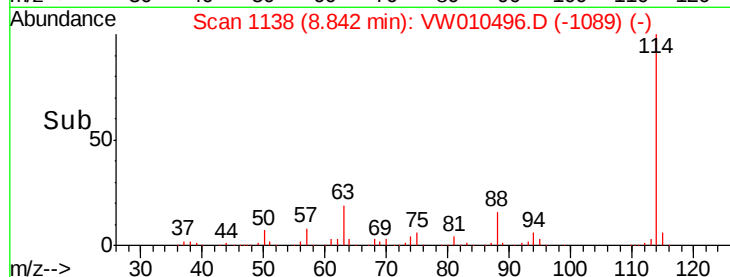
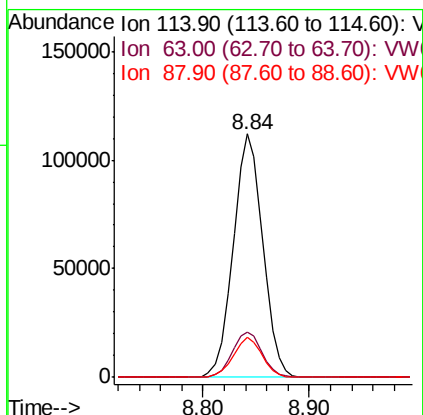
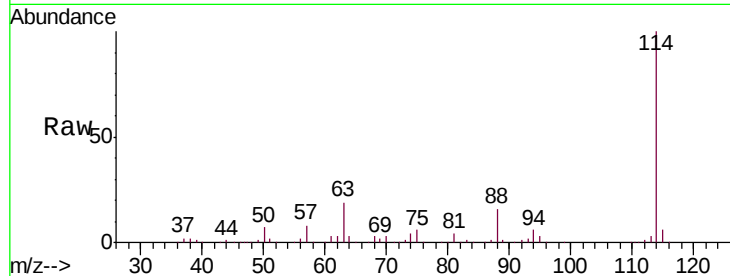




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010496.D
 Acq: 21 May 2019 19:11

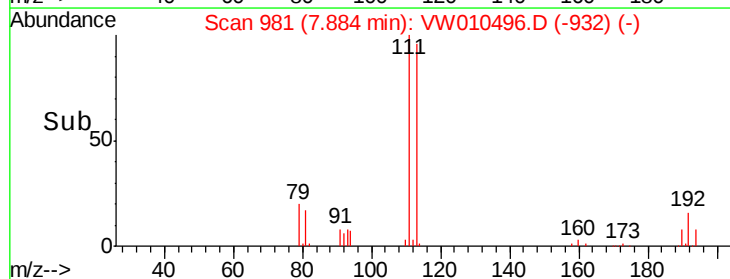
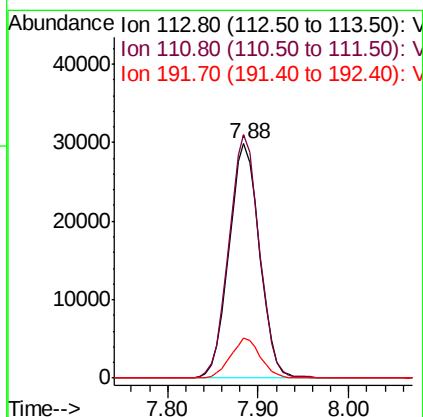
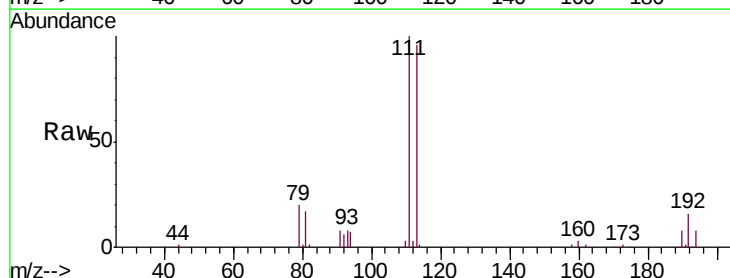
Instrument :
 MSVOA_W
 ClientSampleId :
 BP-VPB202-GW-823-825

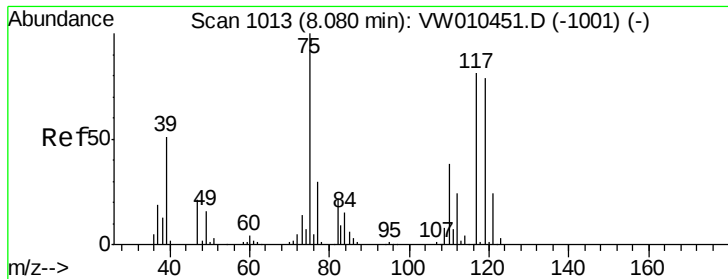
Tgt Ion:	114	Resp:	217718
Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	36.0
88	16.3	0.0	32.0



#35
 Dibromofluoromethane
 Concen: 52.792 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010496.D
 Acq: 21 May 2019 19:11

Tgt Ion:	113	Resp:	69742
Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.2	123.4
192	16.6	14.3	21.5

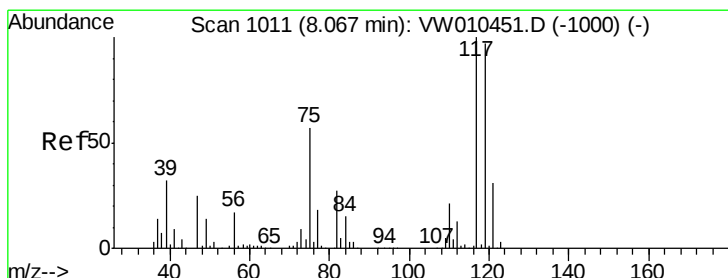
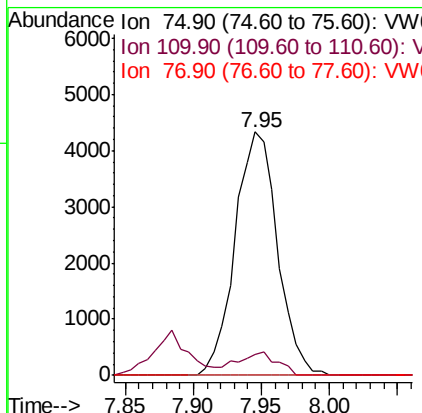
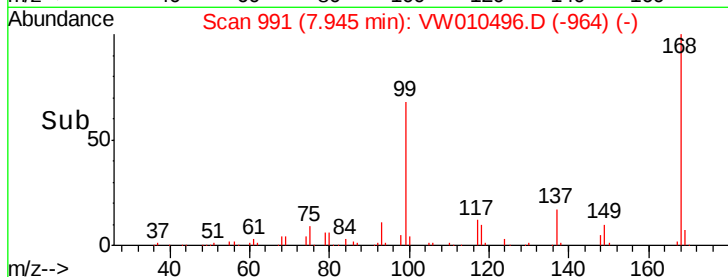
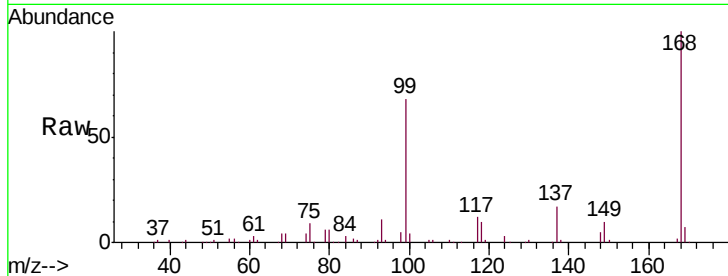




#36
 1,1-Dichloropropene
 Concen: 4.653 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010496.D
 Acq: 21 May 2019 19:11

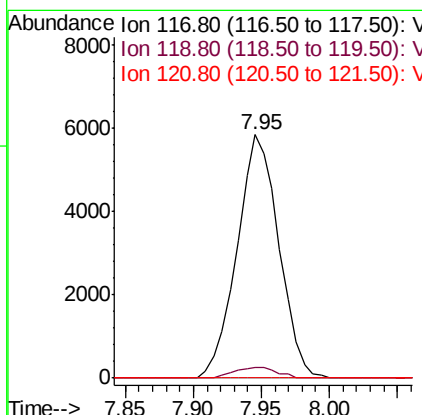
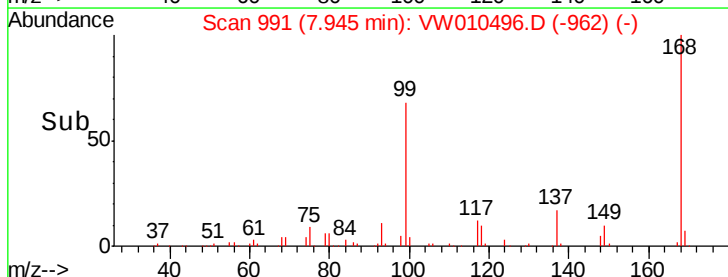
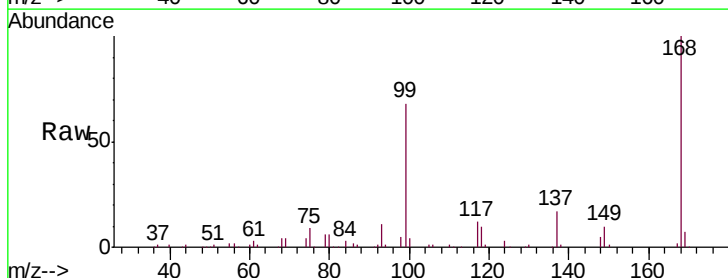
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 MSVOA_W
 ClientSampleId :
 BP-VPB202-GW-823-825

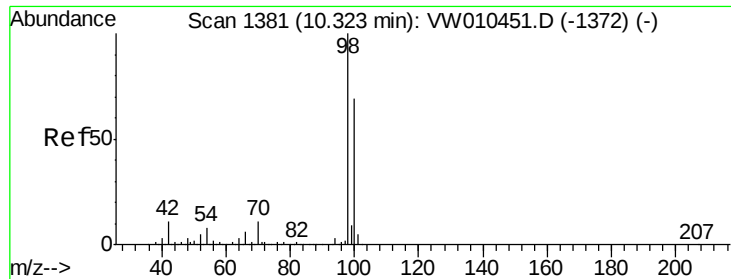
Tgt Ion: 75 Resp: 9437
 Ion Ratio Lower Upper
 75 100
 110 8.6 19.2 57.6#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 5.732 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010496.D
 Acq: 21 May 2019 19:11

Tgt Ion: 117 Resp: 12541
 Ion Ratio Lower Upper
 117 100
 119 4.5 77.4 116.0#
 121 0.0 25.0 37.6#

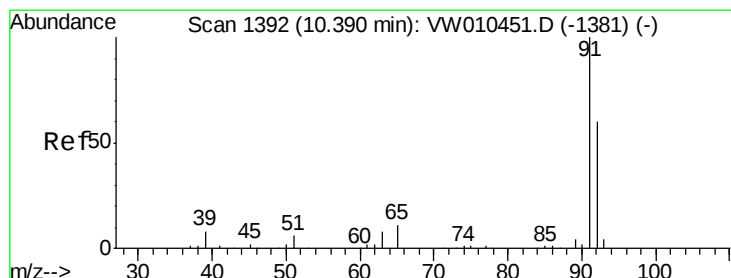
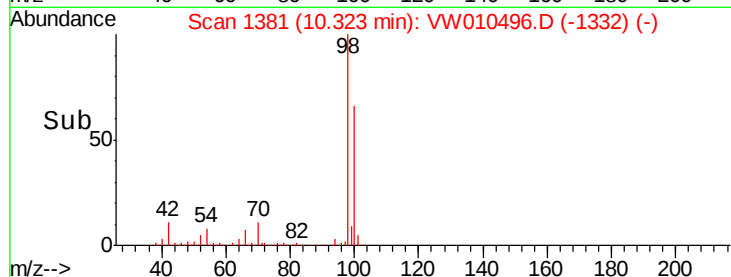
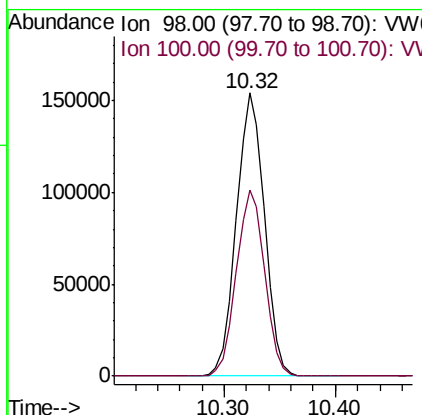
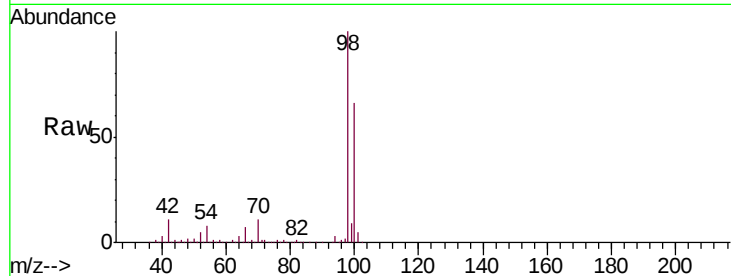




#50
Toluene-d8
Concen: 53.069 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010496.D
Acq: 21 May 2019 19:11

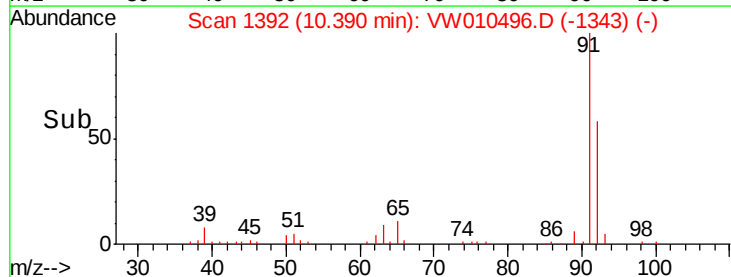
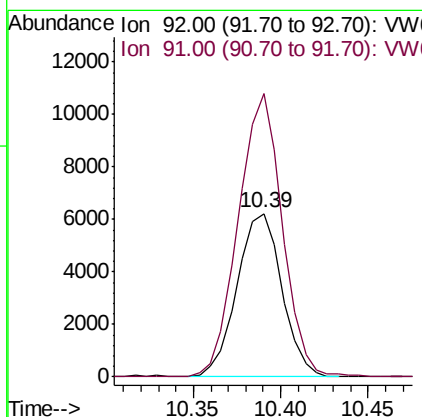
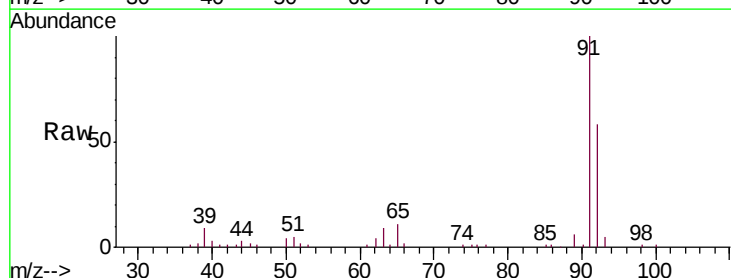
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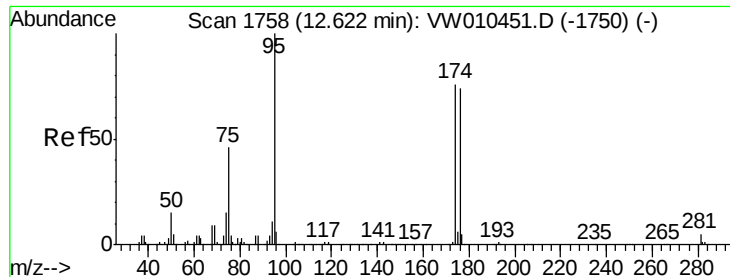
Tgt Ion: 98 Resp: 267829
Ion Ratio Lower Upper
98 100
100 66.6 53.7 80.5



#52
Toluene
Concen: 2.945 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010496.D
Acq: 21 May 2019 19:11

Tgt Ion: 92 Resp: 11148
Ion Ratio Lower Upper
92 100
91 169.9 135.4 203.0





#62

4-Bromofluorobenzene

Concen: 51.048 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010496.D

Acq: 21 May 2019 19:11

Instrument :

MSVOA_W

ClientSampleId :

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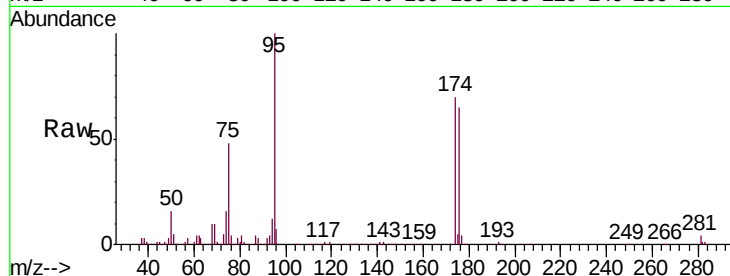
Tgt Ion: 95 Resp: 102617

Ion Ratio Lower Upper

95 100

174 66.3 0.0 148.6

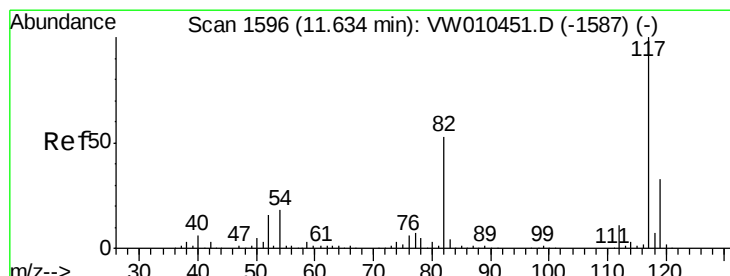
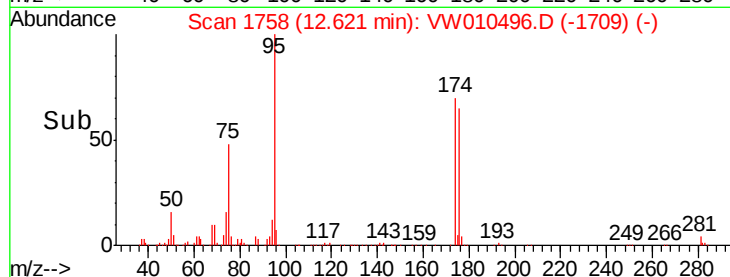
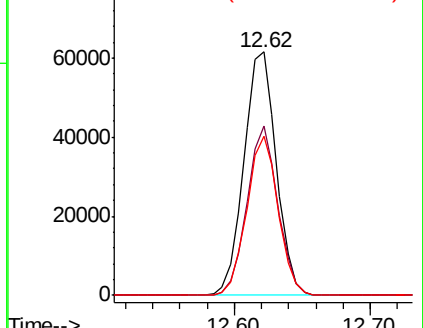
176 63.2 0.0 144.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010496.D

Acq: 21 May 2019 19:11

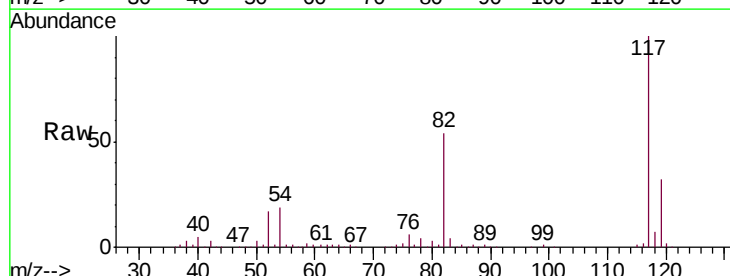
Tgt Ion: 117 Resp: 194183

Ion Ratio Lower Upper

117 100

82 53.7 42.8 64.2

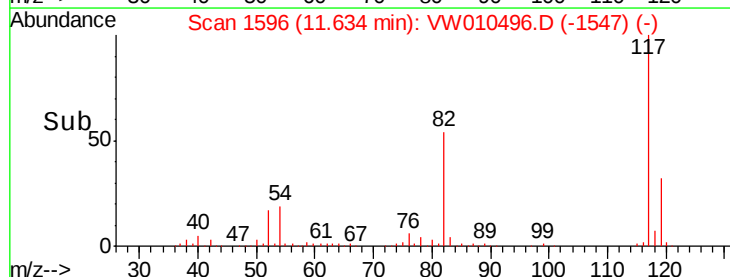
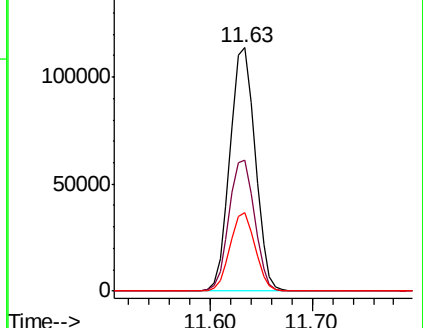
119 32.2 26.3 39.5

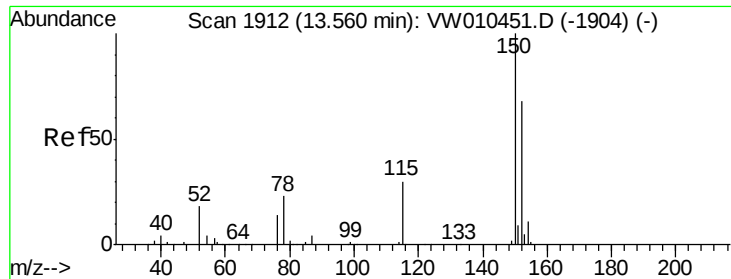


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010496.D

Acq: 21 May 2019 19:11

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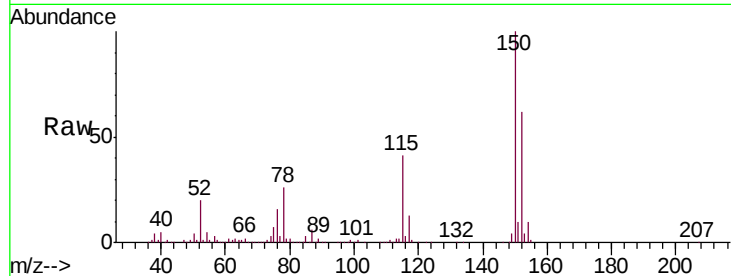
Tgt Ion:152 Resp: 84718

Ion Ratio Lower Upper

152 100

115 65.3 30.3 91.0

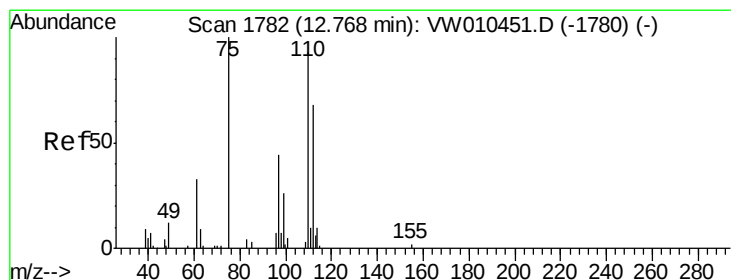
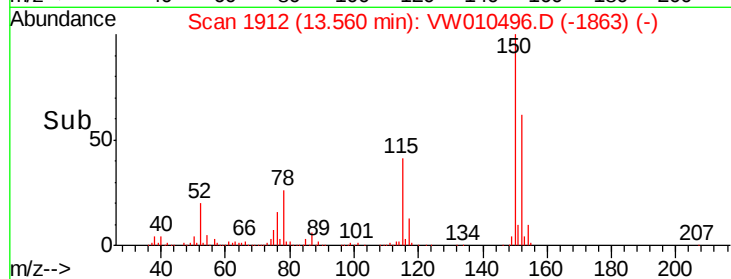
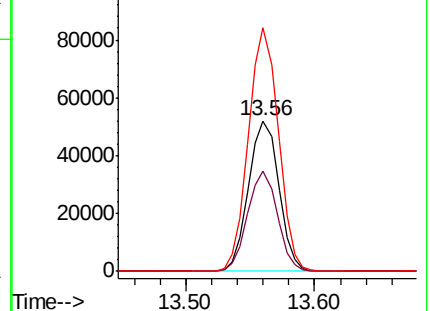
150 159.5 0.0 349.8



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: 57.642 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010496.D

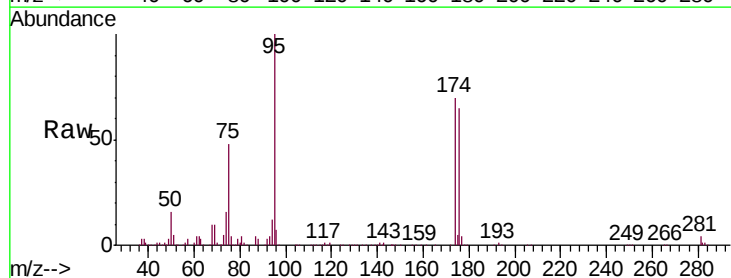
Acq: 21 May 2019 19:11

Tgt Ion: 75 Resp: 49569

Ion Ratio Lower Upper

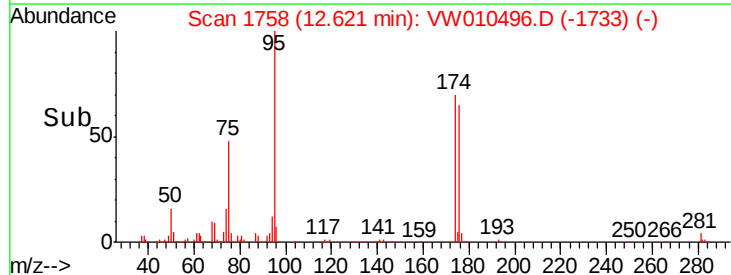
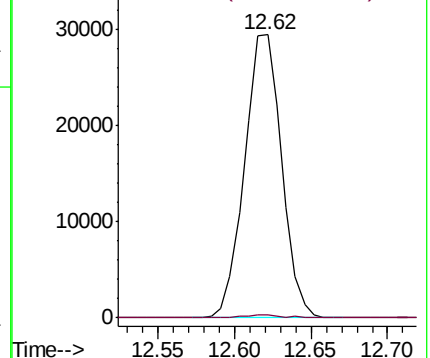
75 100

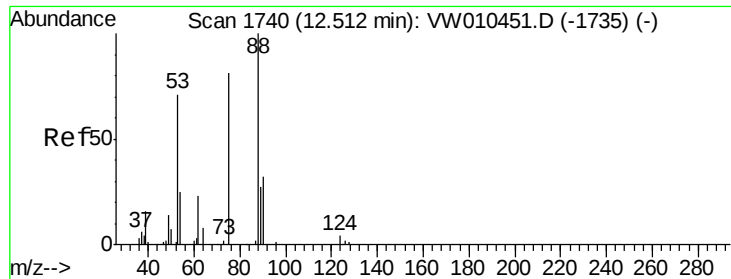
77 1.1 170.0 510.1#



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: 120.301 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010496.D

Acq: 21 May 2019 19:11

Instrument :

MSVOA_W

ClientSampleId :

BP-VPB202-GW-823-825

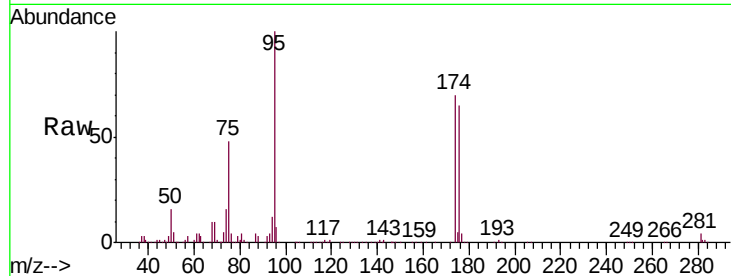
Tgt Ion: 75 Resp: 49569

Ion Ratio Lower Upper

75 100

53 0.1 69.8 104.8#

89 0.0 39.5 59.3#



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

