

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010514.D
 Acq On : 22 May 2019 16:58
 Operator : SY/VA
 Sample : K3002-07
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 21-C5-20190409

Quant Time: May 23 06:58:30 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	121355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	217973	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	173710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	58995	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	39860	31.82	ug/l	0.00
Spiked Amount			Recovery	=	63.64%	
35) Dibromofluoromethane	7.88	113	38469	29.09	ug/l	0.00
Spiked Amount			Recovery	=	58.18%	
50) Toluene-d8	10.32	98	135033	26.72	ug/l	0.00
Spiked Amount			Recovery	=	53.44%	
62) 4-Bromofluorobenzene	12.62	95	47997	23.85	ug/l	0.00
Spiked Amount			Recovery	=	47.70%	

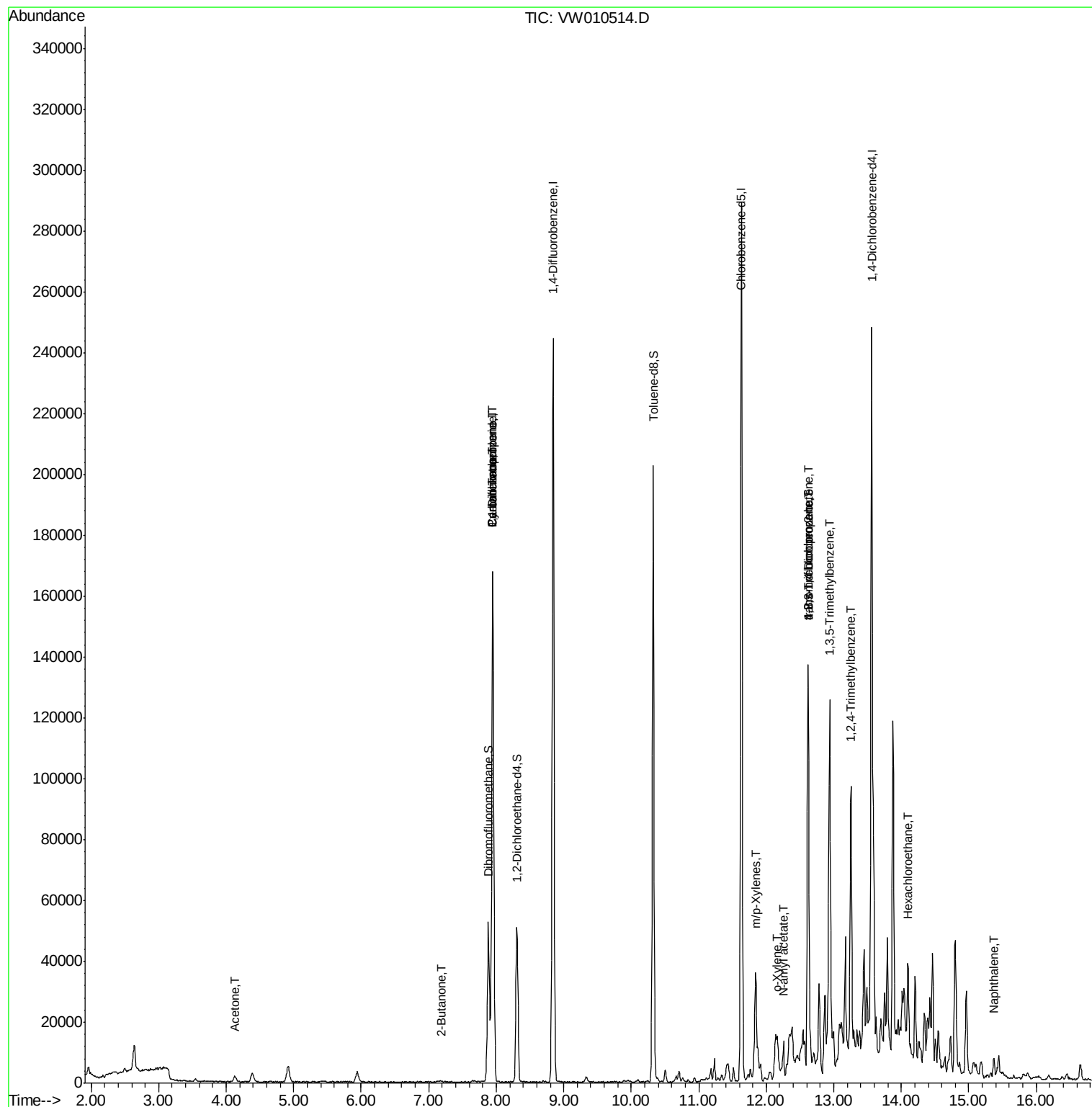
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	295	Below Cal	#	42
13) Acrolein	3.89	56	39	Below Cal	#	13
16) Acetone	4.13	43	3707	14.499	ug/l	95
20) Methylene Chloride	4.91	84	4272	Below Cal	#	90
25) 2-Butanone	7.19	43	604	1.651	ug/l	# 45
31) Cyclohexane	7.95	56	2486	1.045	ug/l	# 1
36) 1,1-Dichloropropene	7.95	75	9624	4.740	ug/l	# 48
38) Carbon Tetrachloride	7.95	117	13189	6.021	ug/l	# 15
68) m/p-Xylenes	11.84	106	4032	1.573	ug/l	93
69) o-Xylene	12.16	106	2585	1.064	ug/l	84
74) N-amyl acetate	12.26	43	2486	2.317	ug/l	# 53
76) 1,2,3-Trichloropropane	12.62	75	23082	38.545	ug/l	# 1
80) 1,3,5-Trimethylbenzene	12.94	105	25896	6.531	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	23082	80.444	ug/l	# 14
84) 1,2,4-Trimethylbenzene	13.26	105	50241	12.723	ug/l	98
90) Hexachloroethane	14.10	117	1545	1.820	ug/l	# 15
95) Naphthalene	15.37	128	6682	2.498	ug/l	97

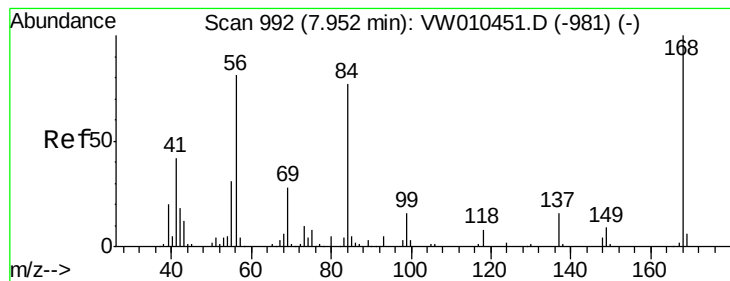
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052219\
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QLast Update : Tue May 21 06:38:43 2019
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: VW010514.D

Acq: 22 May 2019 16:58

Instrument :

MSVOA_W

ClientSampleId :

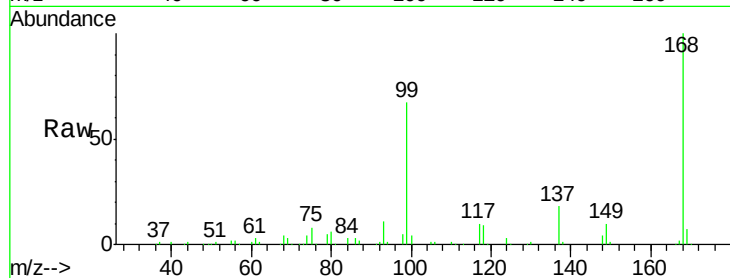
21-C5-20190409

Tot Ion:168 Resp: 121355

Ion Ratio Lower Upper

168 100

99 67.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

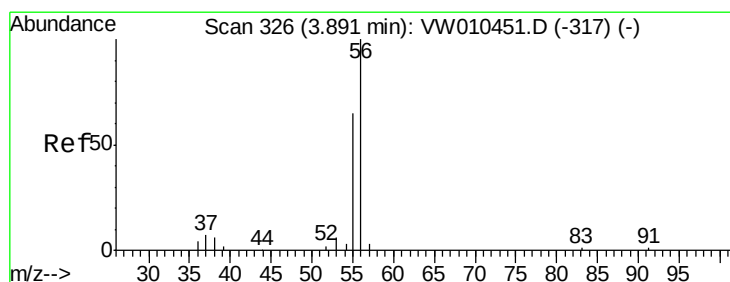
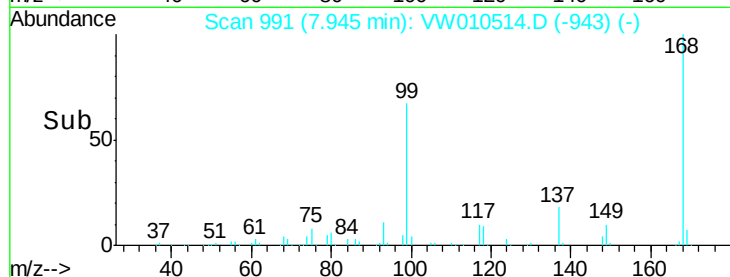
30000

20000

10000

0

Time-->



#13

Acrolein

Concen: Below Cal

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010514.D

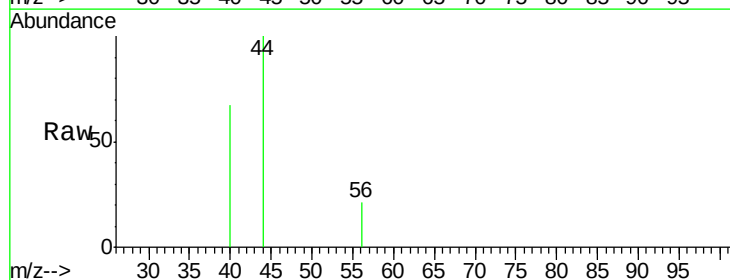
Acq: 22 May 2019 16:58

Tgt Ion: 56 Resp: 39

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

3.89

60

50

40

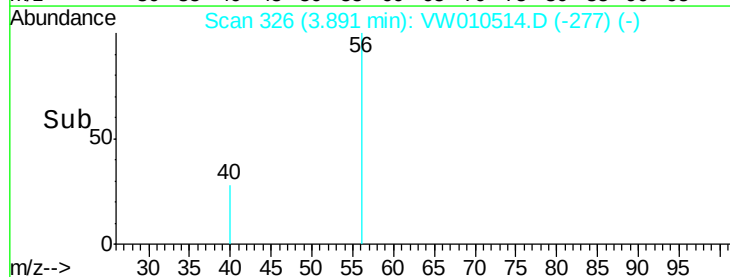
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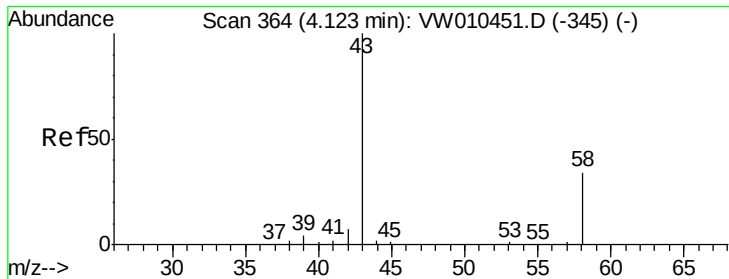
20

10

0

Time-->





#16

Acetone

Concen: 14.499 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010514.D

Acq: 22 May 2019 16:58

Instrument :

MSVOA_W

ClientSampleId :

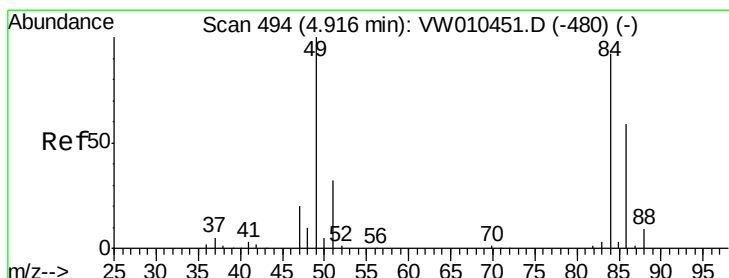
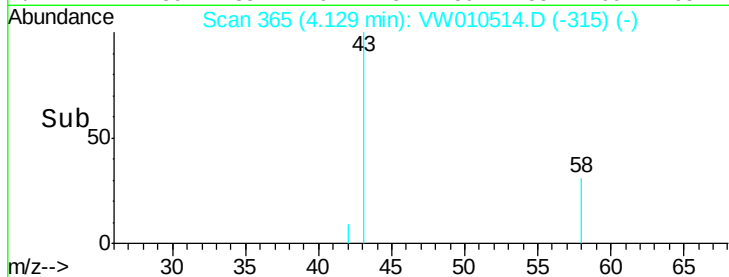
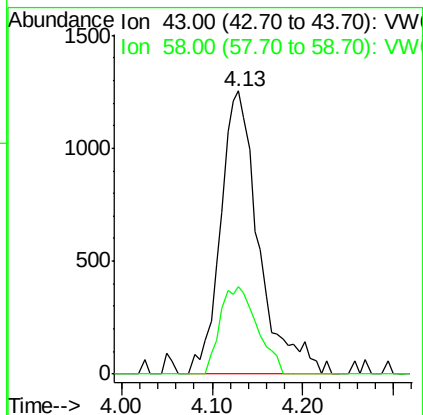
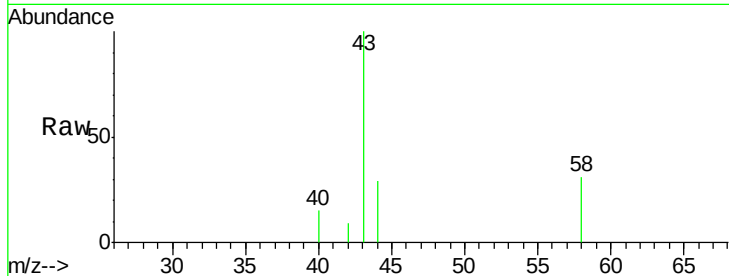
21-C5-20190409

Tot Ion: 43 Resp: 3707

Ion Ratio Lower Upper

43 100

58 31.0 27.0 40.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW010514.D

Acq: 22 May 2019 16:58

Tgt Ion: 84 Resp: 4272

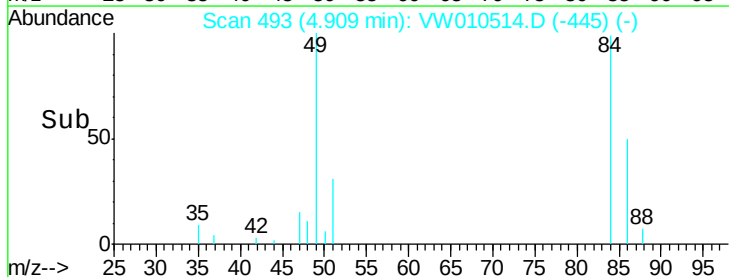
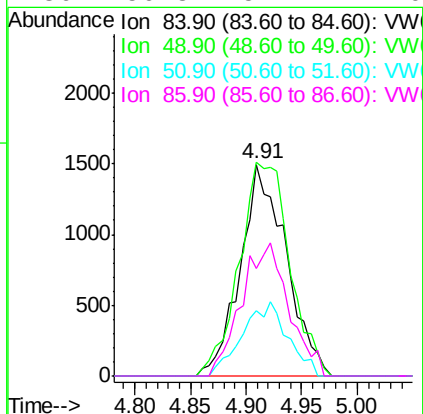
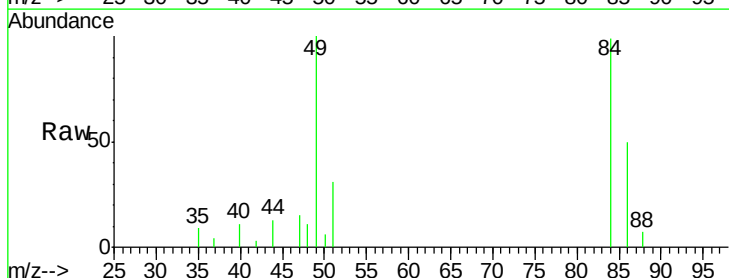
Ion Ratio Lower Upper

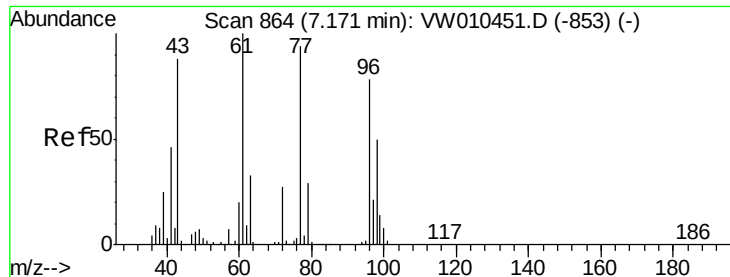
84 100

49 100.9 87.2 130.8

51 31.1 27.7 41.5

86 50.8 51.4 77.0#

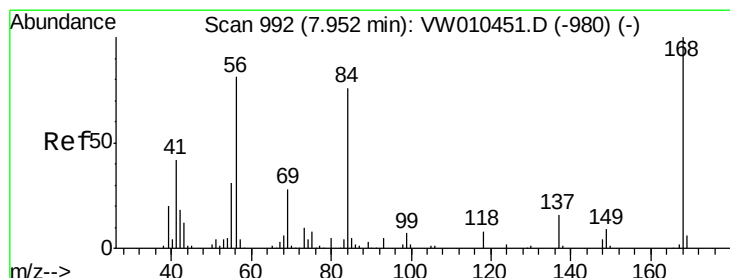
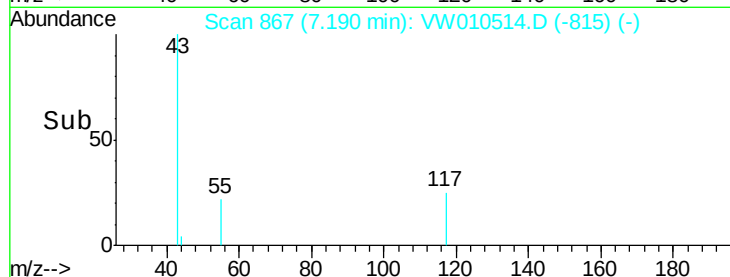
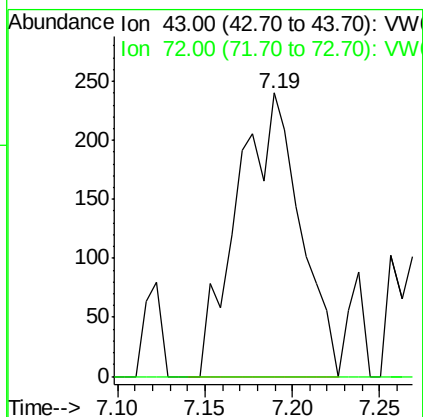
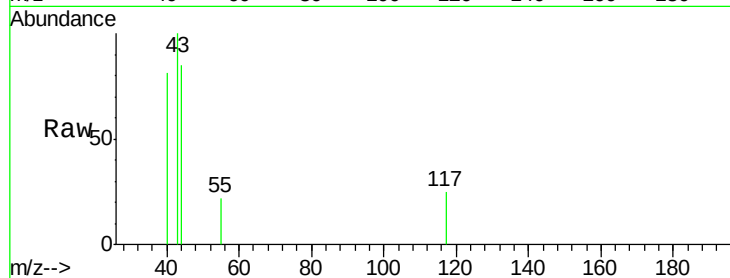




#25
2-Butanone
Concen: 1.651 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW010514.D
Acq: 22 May 2019 16:58

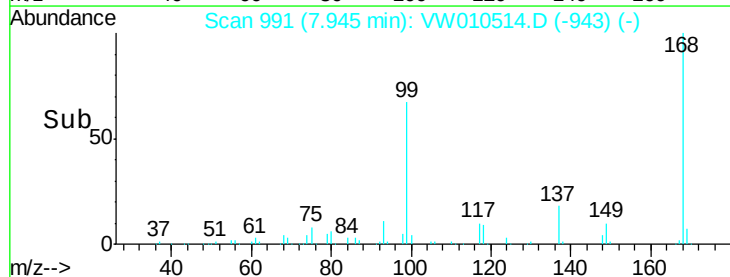
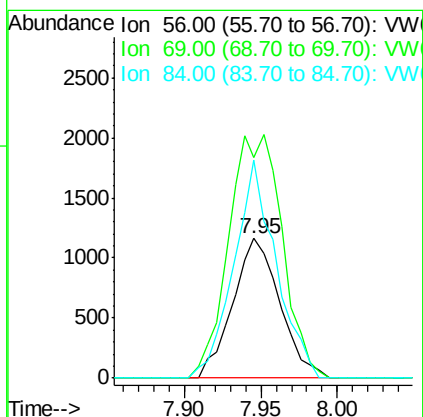
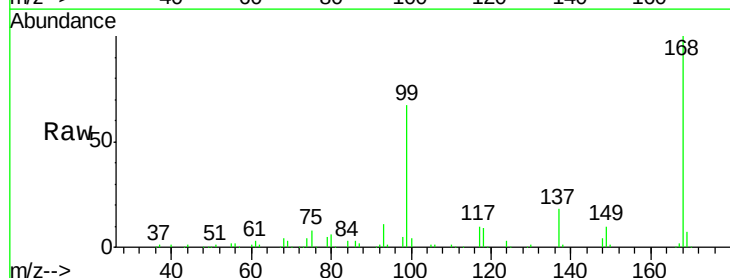
Instrument :
MSVOA_W
ClientSampled :
21-C5-20190409

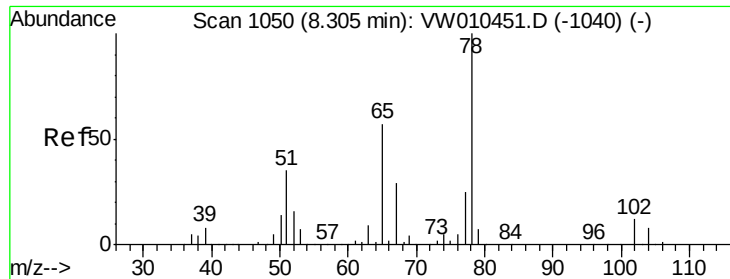
Tot Ion: 43 Resp: 604
Ion Ratio Lower Upper
43 100
72 0.0 24.1 36.1#



#31
Cyclohexane
Concen: 1.045 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010514.D
Acq: 22 May 2019 16:58

Tgt Ion: 56 Resp: 2486
Ion Ratio Lower Upper
56 100
69 158.4 28.2 42.2#
84 156.0 75.8 113.8#

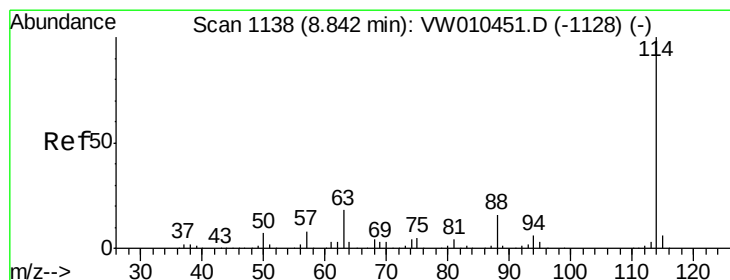
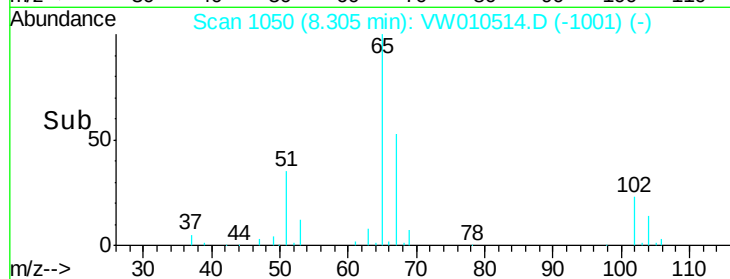
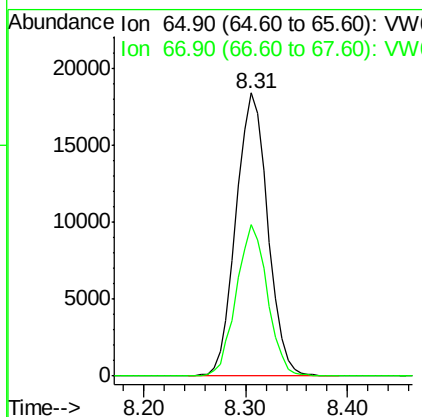
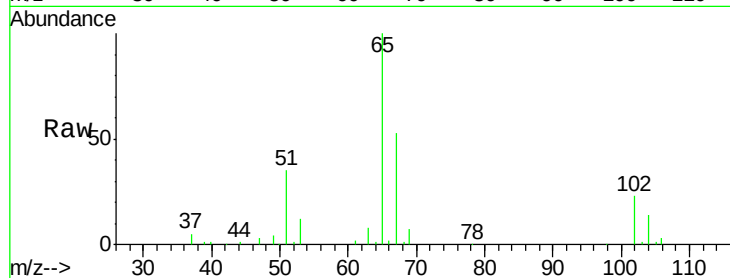




#33
 1,2-Dichloroethane-d4
 Concen: 31.822 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010514.D
 Acq: 22 May 2019 16:58

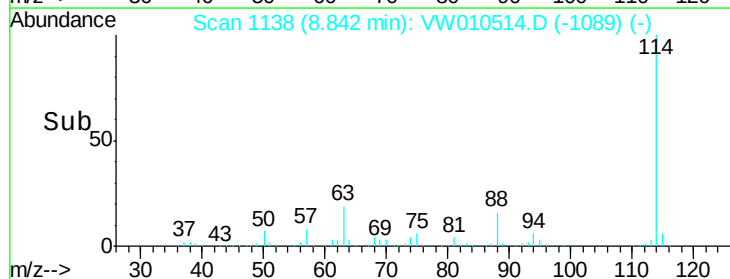
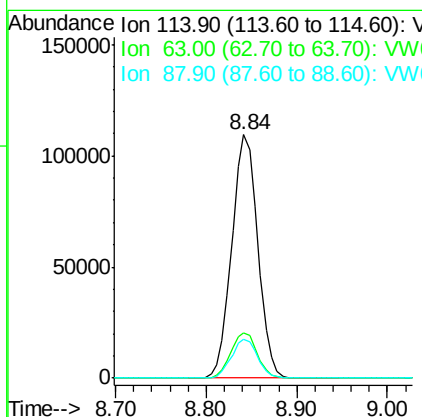
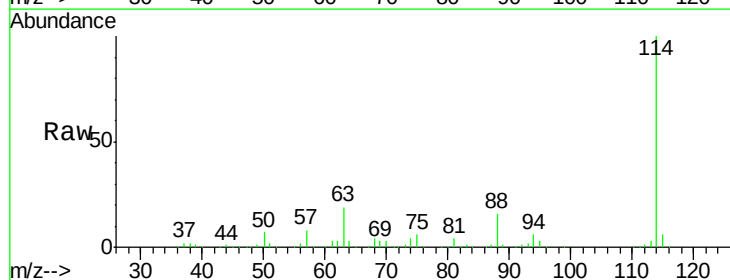
Instrument :
 MSVOA_W
 ClientSampleId :
 21-C5-20190409

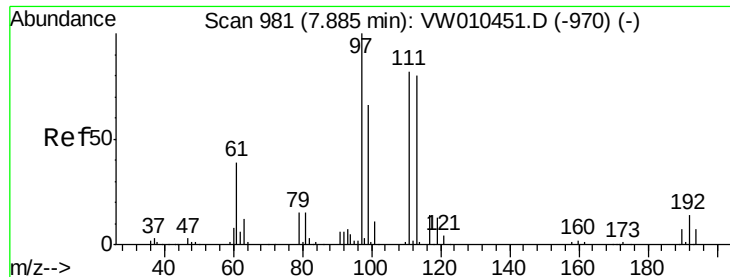
Tot Ion: 65 Resp: 39860
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010514.D
 Acq: 22 May 2019 16:58

Tgt Ion: 114 Resp: 217973
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.0
 88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 29.086 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010514.D

Acq: 22 May 2019 16:58

Instrument :

MSVOA_W

ClientSampleId :

21-C5-20190409

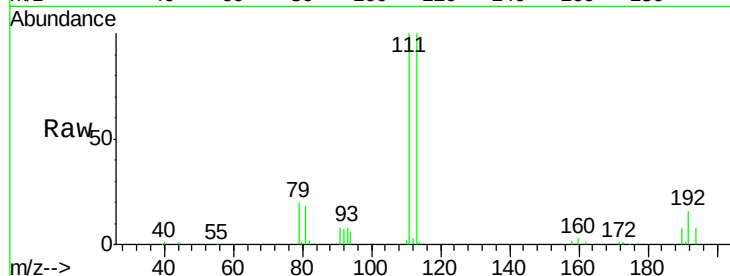
Tot Ion:113 Resp: 38469

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.4

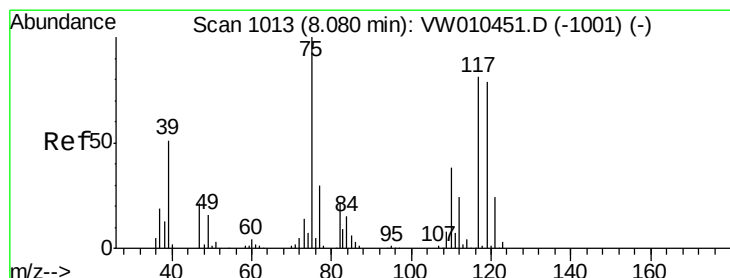
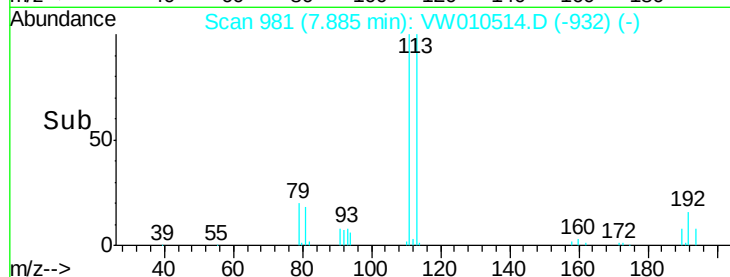
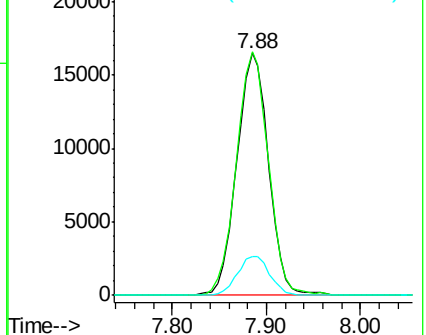
192 16.3 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.740 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010514.D

Acq: 22 May 2019 16:58

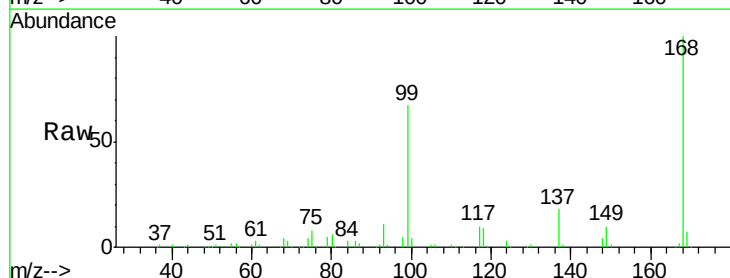
Tgt Ion: 75 Resp: 9624

Ion Ratio Lower Upper

75 100

110 9.1 19.2 57.6#

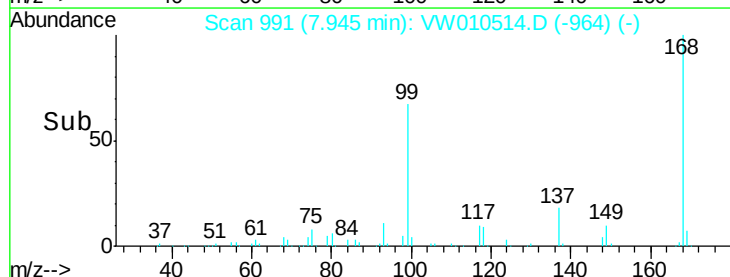
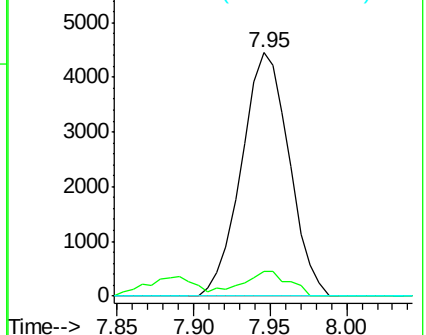
77 0.0 25.2 37.8#

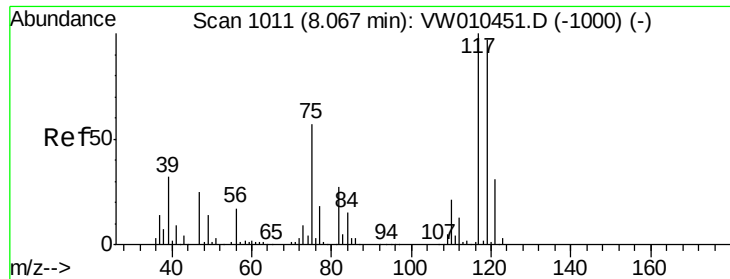


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

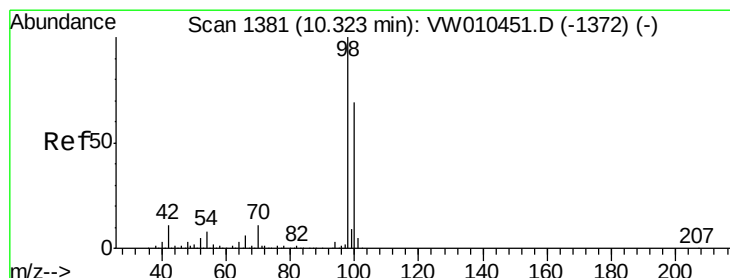
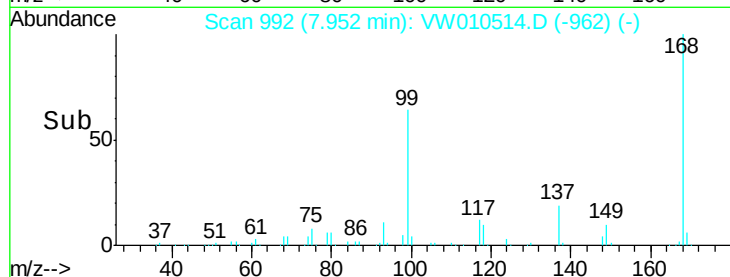
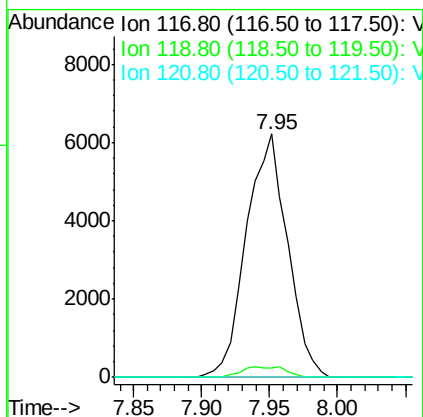
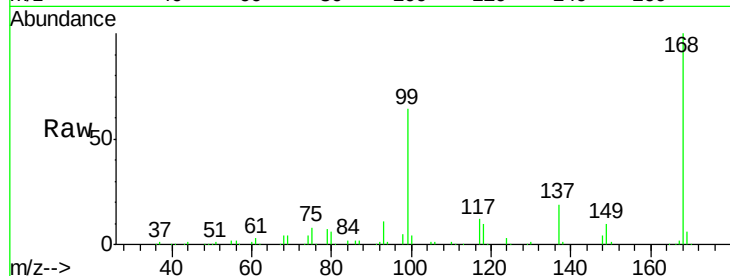




#38
Carbon Tetrachloride
Concen: 6.021 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW010514.D
Acq: 22 May 2019 16:58

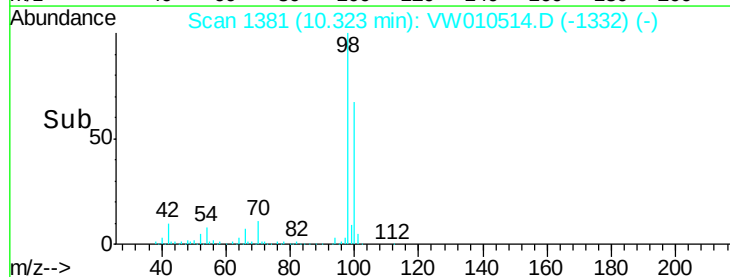
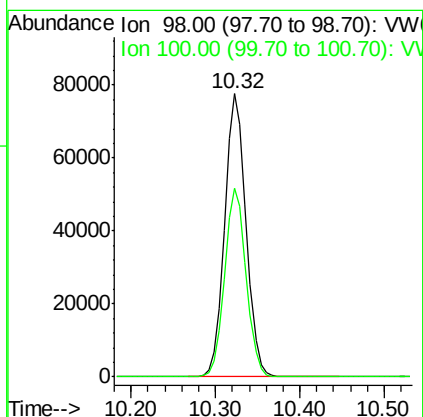
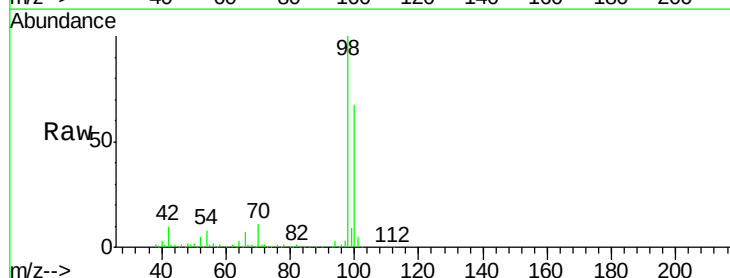
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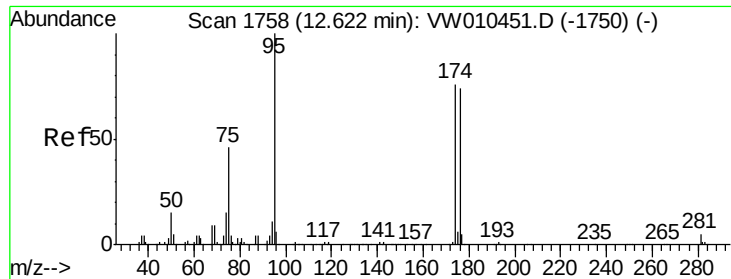
Tot Ion:117 Resp: 13189
Ion Ratio Lower Upper
117 100
119 3.7 77.4 116.0#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 26.725 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010514.D
Acq: 22 May 2019 16:58

Tgt Ion: 98 Resp: 135033
Ion Ratio Lower Upper
98 100
100 66.8 53.7 80.5

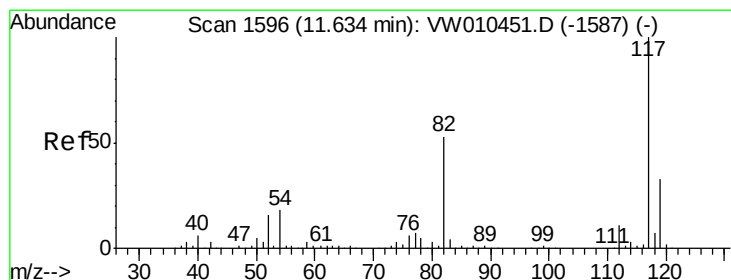
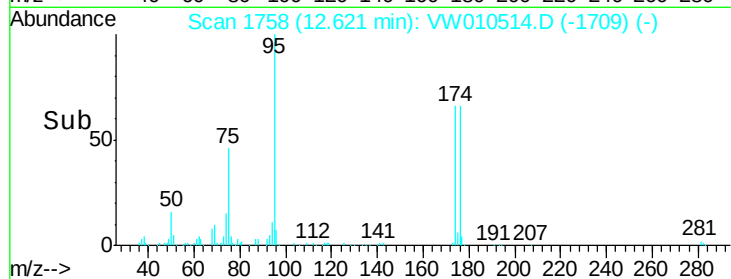
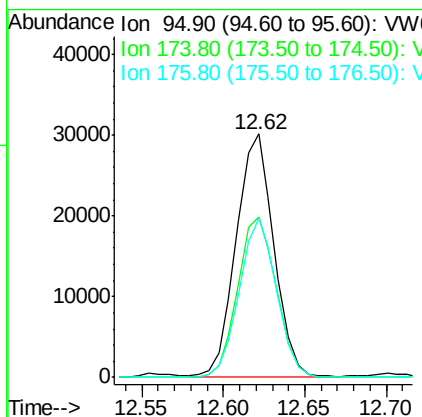
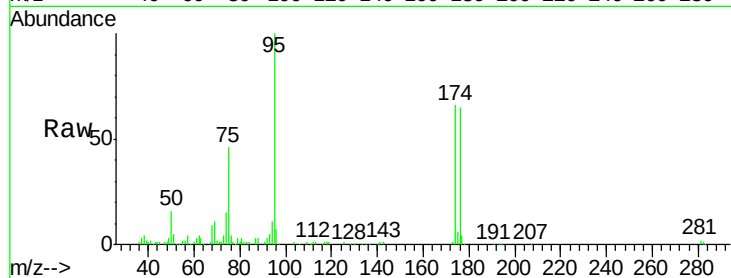




#62
4-Bromofluorobenzene
Concen: 23.849 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010514.D
Acq: 22 May 2019 16:58

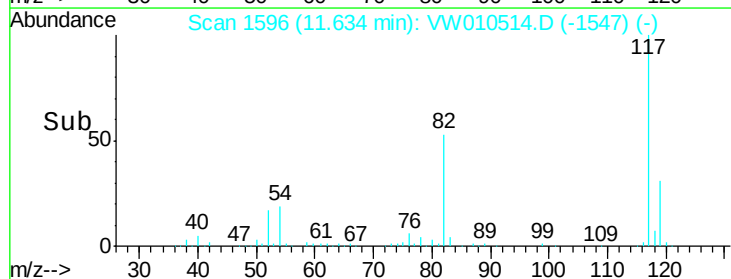
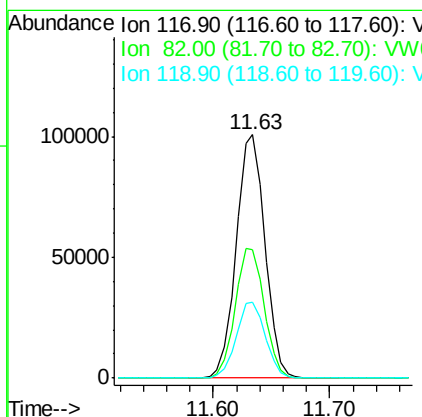
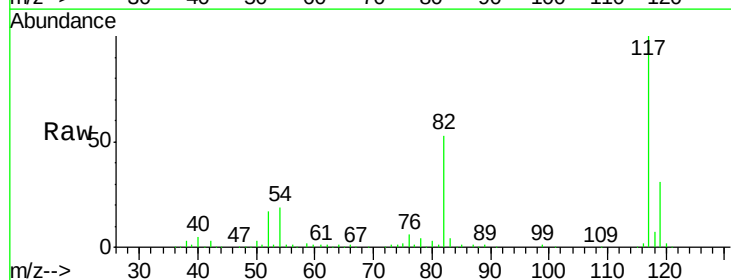
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21-C5-20190409

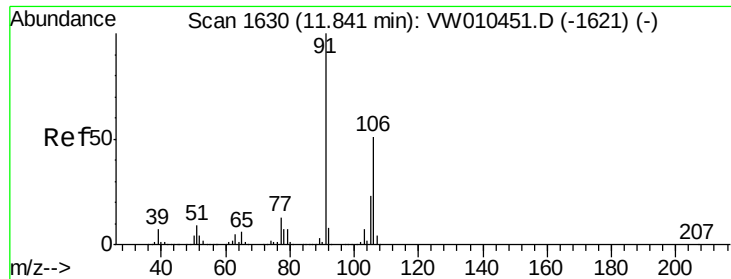
Tot Ion	95	Resp	47997
Ion Ratio	Lower	Upper	
95	100		
174	68.3	0.0	148.6
176	65.0	0.0	144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010514.D
Acq: 22 May 2019 16:58

Tgt Ion	117	Resp	173710
Ion Ratio	Lower	Upper	
117	100		
82	52.9	42.8	64.2
119	31.3	26.3	39.5

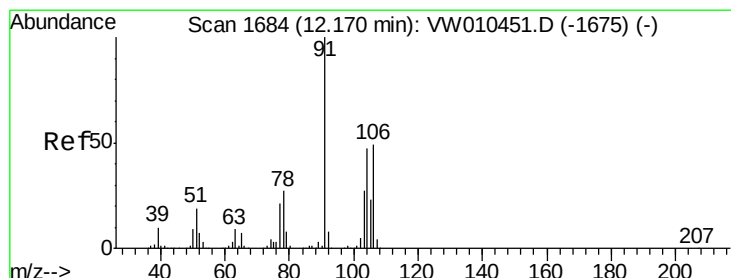
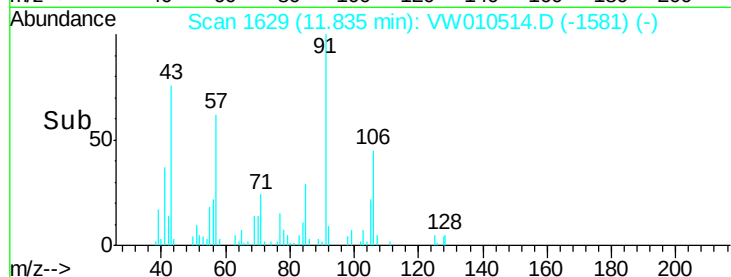
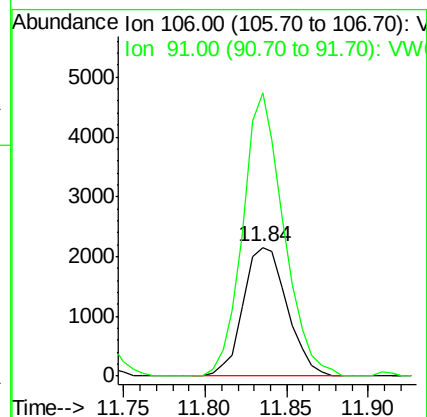
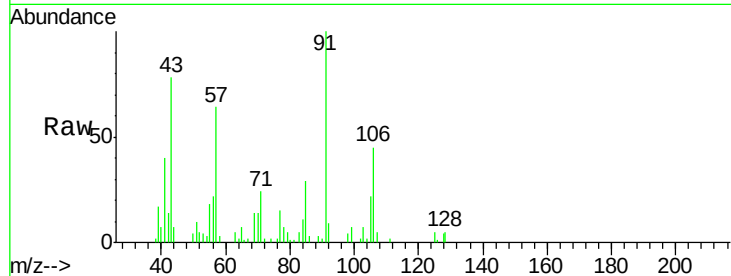




#68
m/p-Xylenes
Concen: 1.573 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW010514.D
Acq: 22 May 2019 16:58

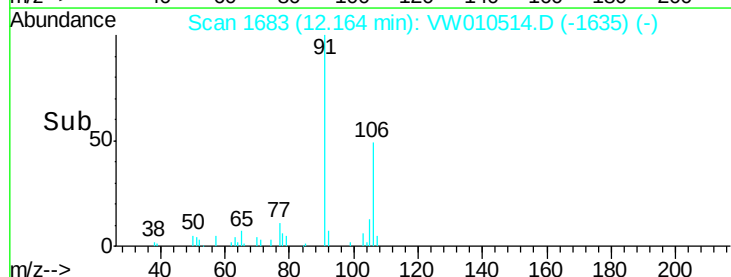
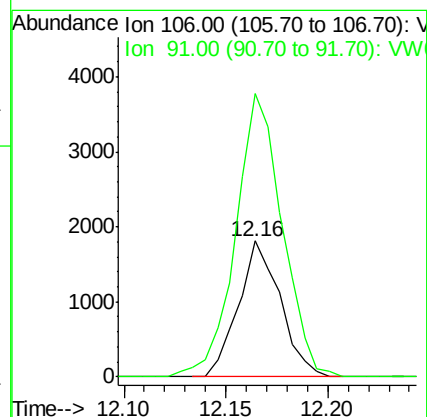
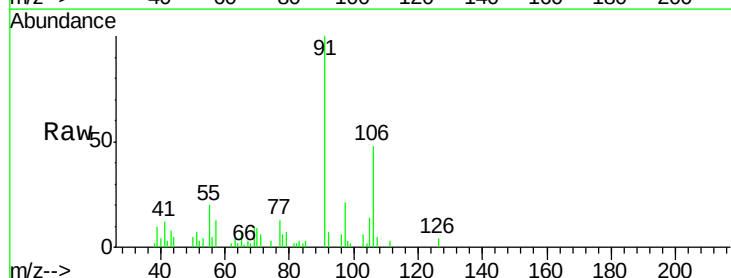
Instrument :
MSVOA_W
ClientSampleId :
21-C5-20190409

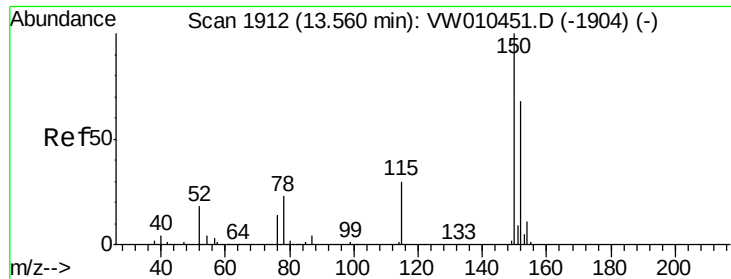
Tot Ion:106 Resp: 4032
Ion Ratio Lower Upper
106 100
91 205.3 156.0 234.0



#69
o-Xylene
Concen: 1.064 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010514.D
Acq: 22 May 2019 16:58

Tgt Ion:106 Resp: 2585
Ion Ratio Lower Upper
106 100
91 231.1 103.2 309.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010514.D

Acq: 22 May 2019 16:58

Instrument :

MSVOA_W

ClientSampleId :

21-C5-20190409

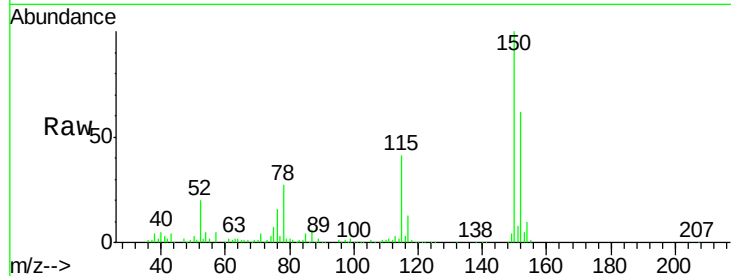
Tot Ion:152 Resp: 58995

Ion Ratio Lower Upper

152 100

115 67.3 30.3 91.0

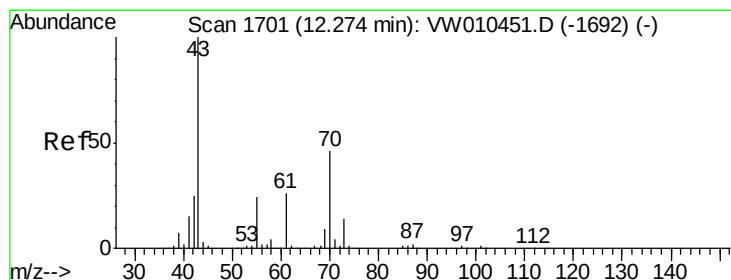
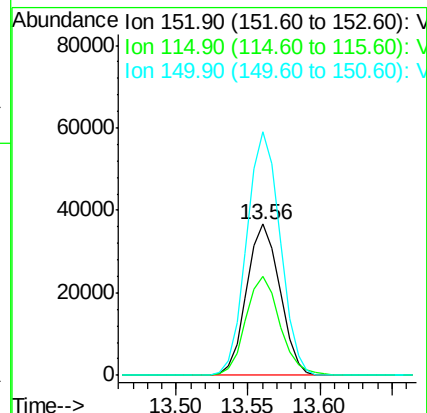
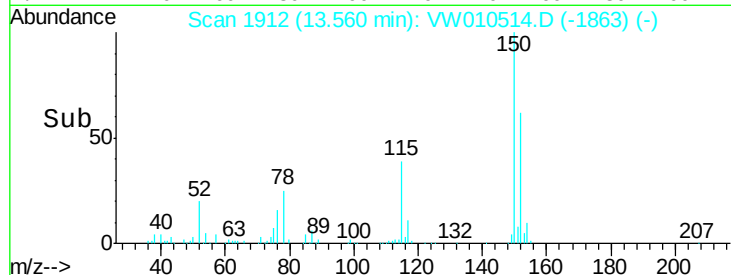
150 160.9 0.0 349.8



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



#74

N-ethyl acetate

Concen: 2.317 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW010514.D

Acq: 22 May 2019 16:58

Tgt Ion: 43 Resp: 2486

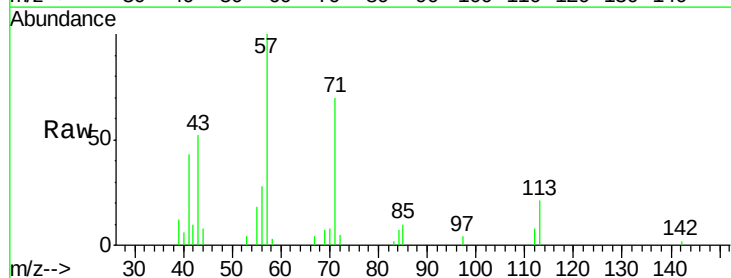
Ion Ratio Lower Upper

43 100

70 17.9 37.1 55.7#

55 0.0 19.6 29.4#

61 0.0 20.7 31.1#

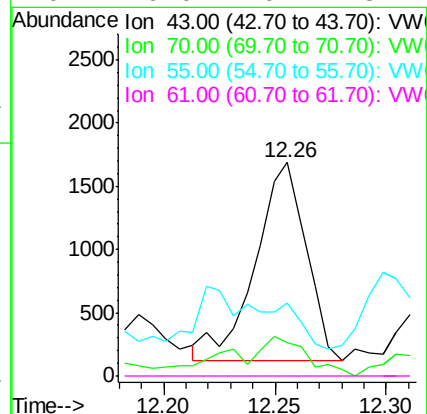
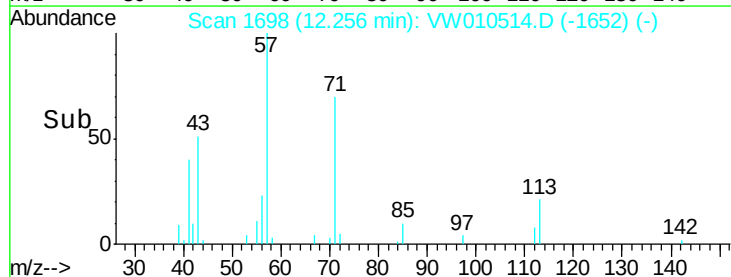


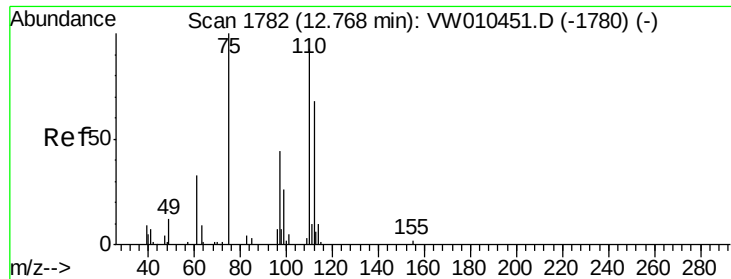
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

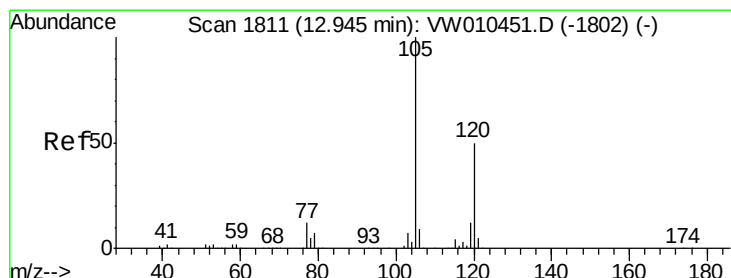
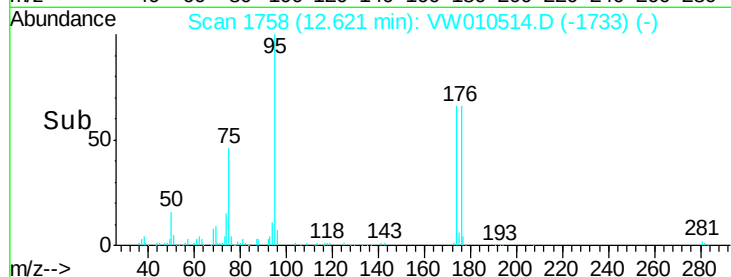
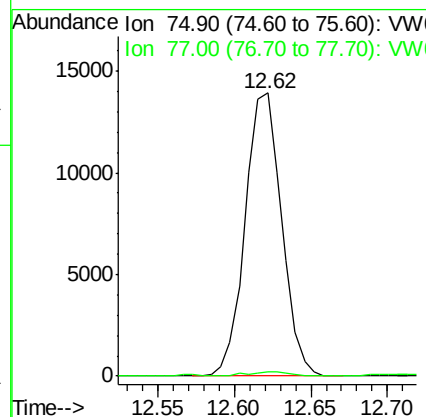
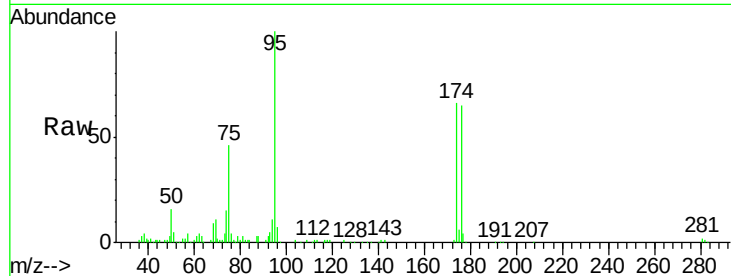




#76
 1,2,3-Trichloropropane
 Concen: 38.545 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW010514.D
 Acq: 22 May 2019 16:58

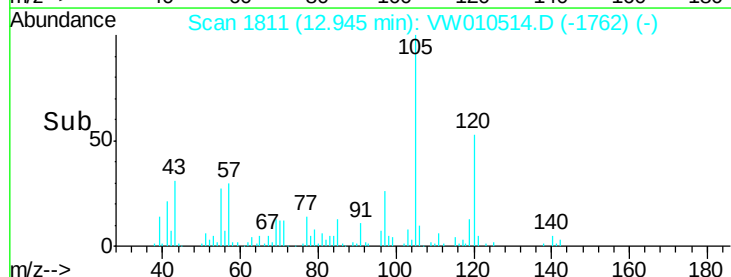
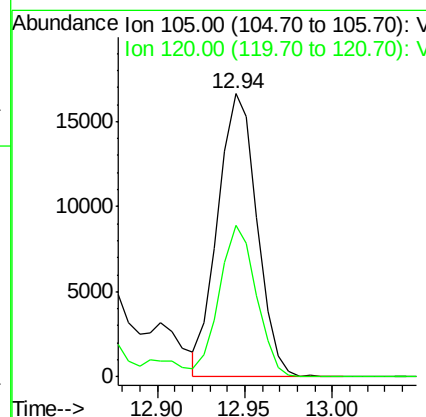
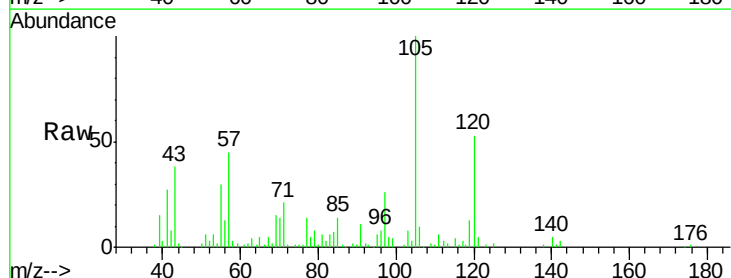
Instrument :
 MSVOA_W
 ClientSampleId :
 21-C5-20190409

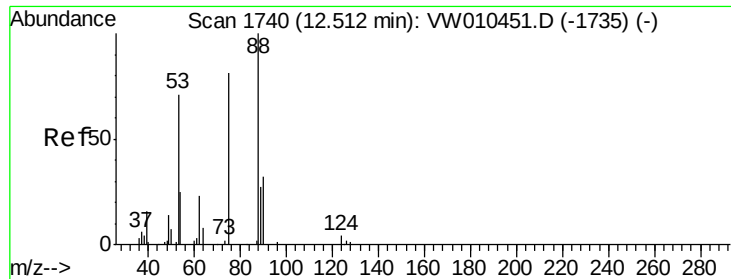
Tot Ion: 75 Resp: 23082
 Ion Ratio Lower Upper
 75 100
 77 1.8 170.0 510.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 6.531 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010514.D
 Acq: 22 May 2019 16:58

Tgt Ion: 105 Resp: 25896
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.2 75.6

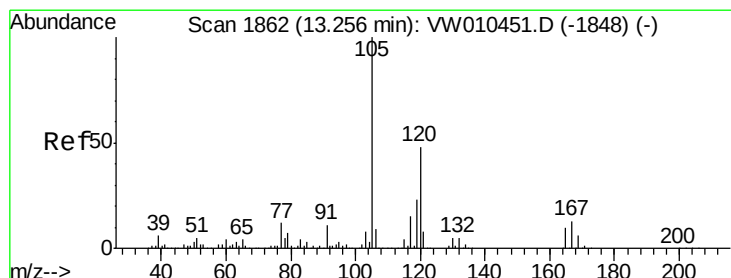
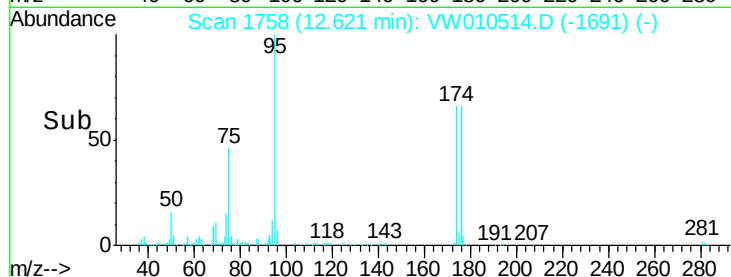
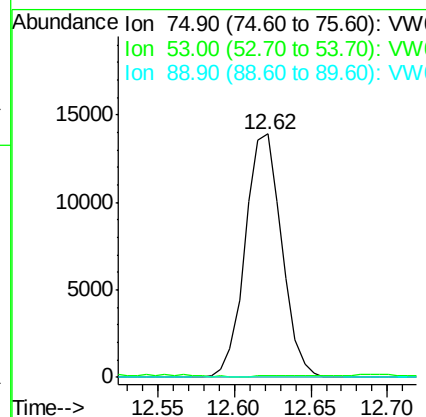
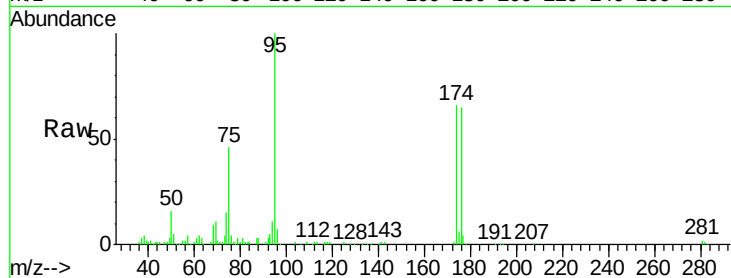




#81
trans-1,4-Dichloro-2-butene
Concen: 80.444 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW010514.D
Acq: 22 May 2019 16:58

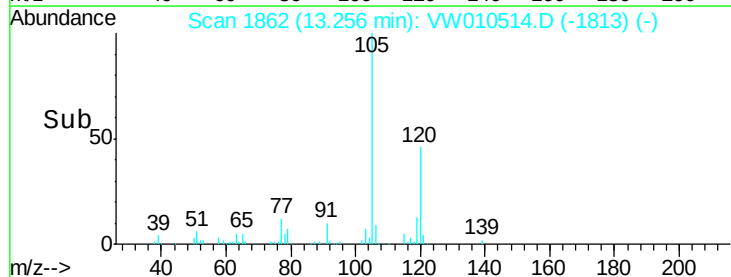
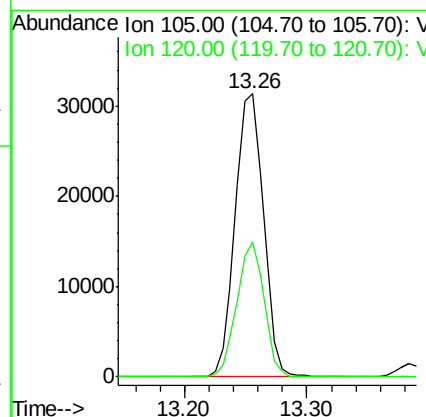
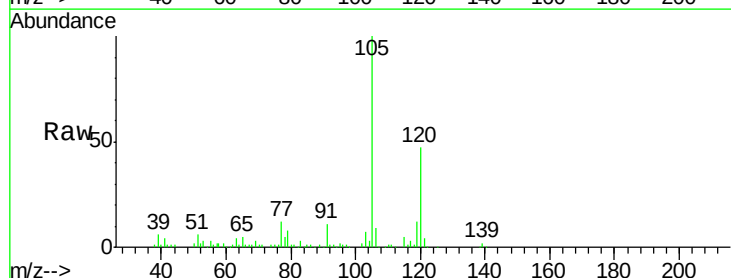
Instrument :
MSVOA_W
ClientSampleId :
21-C5-20190409

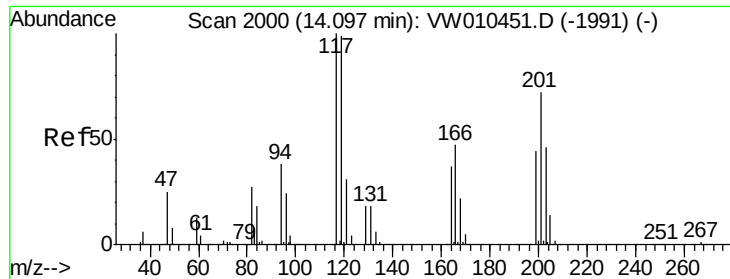
Tot Ion: 75 Resp: 23082
Ion Ratio Lower Upper
75 100
53 0.6 69.8 104.8#
89 0.0 39.5 59.3#



#84
1,2,4-Trimethylbenzene
Concen: 12.723 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010514.D
Acq: 22 May 2019 16:58

Tgt Ion:105 Resp: 50241
Ion Ratio Lower Upper
105 100
120 45.5 23.4 70.2





#90

Hexachloroethane

Concen: 1.820 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010514.D

Acq: 22 May 2019 16:58

Instrument :

MSVOA_W

ClientSampleId :

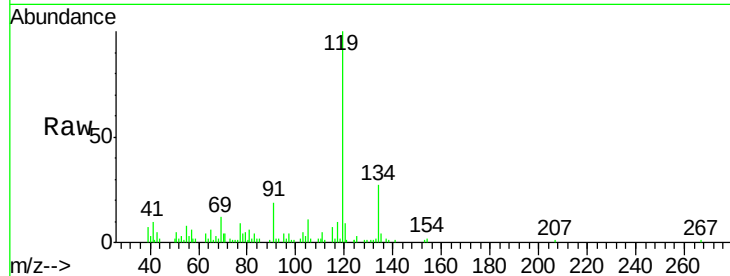
21-C5-20190409

Tot Ion:117 Resp: 1545

Ion Ratio Lower Upper

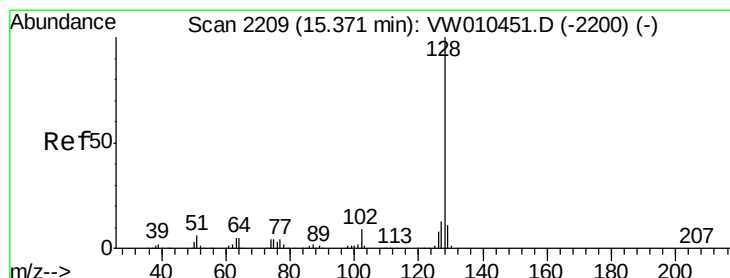
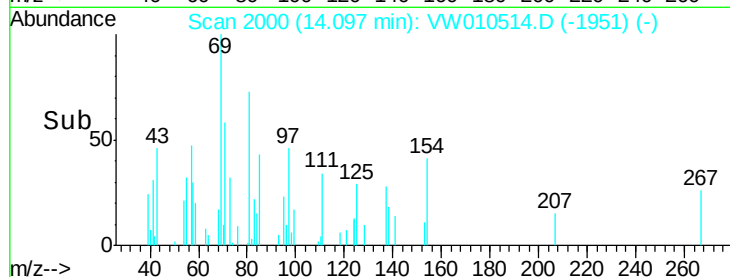
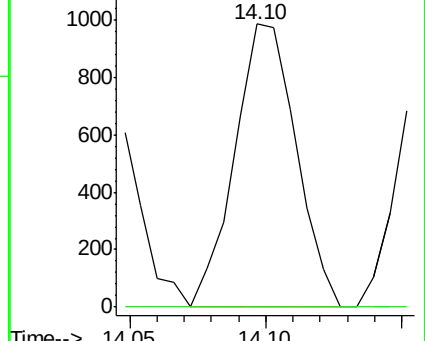
117 100

201 0.0 34.6 103.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 2.498 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010514.D

Acq: 22 May 2019 16:58

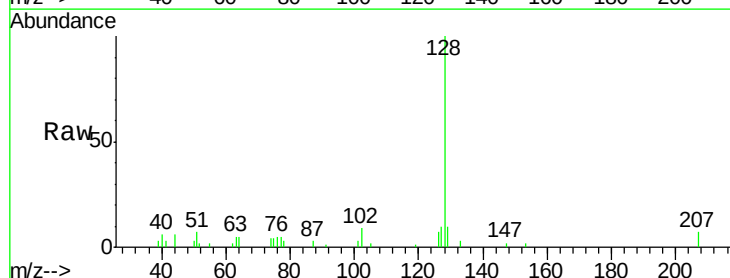
Tgt Ion:128 Resp: 6682

Ion Ratio Lower Upper

128 100

127 11.2 10.6 15.8

129 11.1 8.9 13.3



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

