

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092218\
 Data File : VW005566.D
 Acq On : 21 Sep 2018 17:49
 Operator : VA/AP
 Sample : J5042-02RE
 Misc : 5.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 NYSEG-CLRK-PH4-A14-B1RE

Quant Time: Sep 21 23:16:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	114766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	183343	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	142857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	39350	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	71132	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
35) Dibromofluoromethane	7.89	113	58186	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
50) Toluene-d8	10.33	98	184557	39.31	ug/l	0.00
Spiked Amount			Recovery	=	78.62%	
62) 4-Bromofluorobenzene	12.62	95	43291	24.92	ug/l	0.00
Spiked Amount			Recovery	=	49.84%	

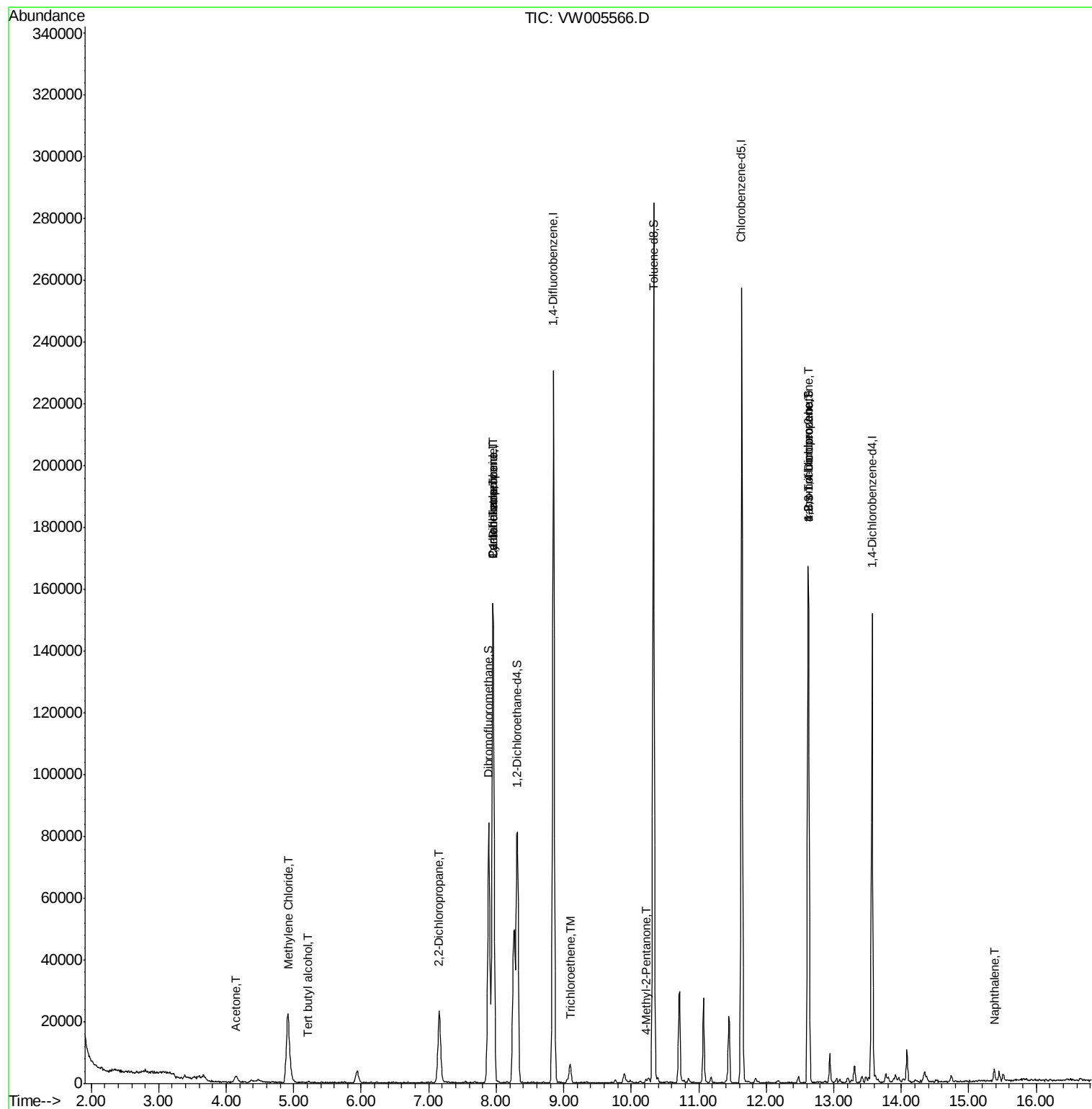
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	270	1.511	ug/l #	72
13) Acrolein	3.65	56	42	Below Cal	#	13
16) Acetone	4.15	43	4526	12.322	ug/l	99
20) Methylene Chloride	4.92	84	18463	13.137	ug/l	97
26) 2,2-Dichloropropane	7.15	77	1652	1.082	ug/l #	54
31) Cyclohexane	7.95	56	2832	1.351	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	9402	5.094	ug/l #	51
38) Carbon Tetrachloride	7.95	117	11676	5.904	ug/l #	17
44) Trichloroethene	9.10	130	2160	1.614	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	951	1.236	ug/l #	80
76) 1,2,3-Trichloropropane	12.62	75	23350	69.612	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	23350	156.787	ug/l #	7
95) Naphthalene	15.37	128	3606	2.603	ug/l	98

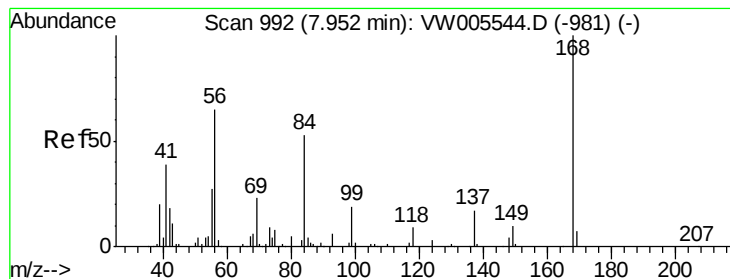
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW005566.D

Acq: 21 Sep 2018 17:49

Instrument :

MSVOA_W

ClientSampleId :

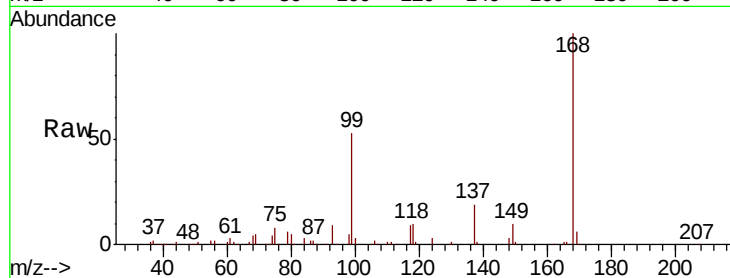
NYSEG-CLRK-PH4-A14-B1RE

Tgt Ion: 168 Resp: 114766

Ion Ratio Lower Upper

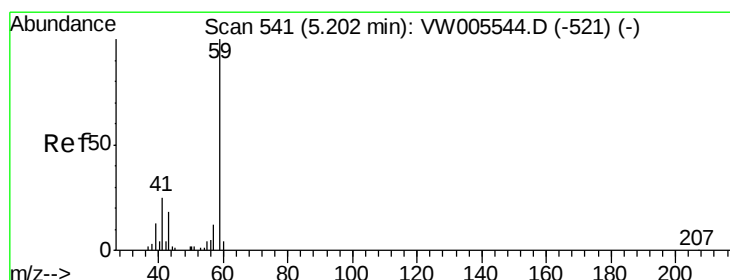
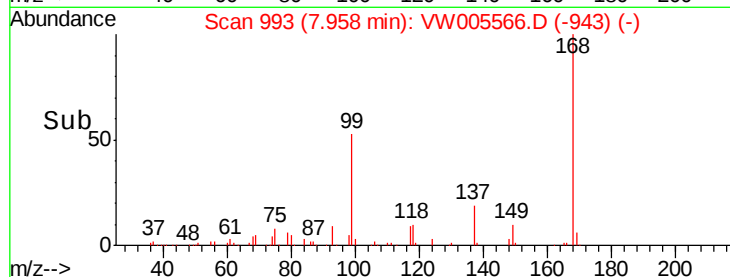
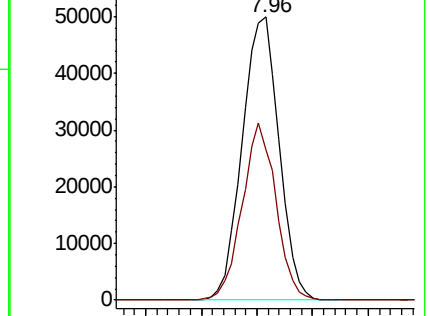
168 100

99 53.0 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.511 ug/l

RT: 5.20 min Scan# 541

Delta R.T. -0.00 min

Lab File: VW005566.D

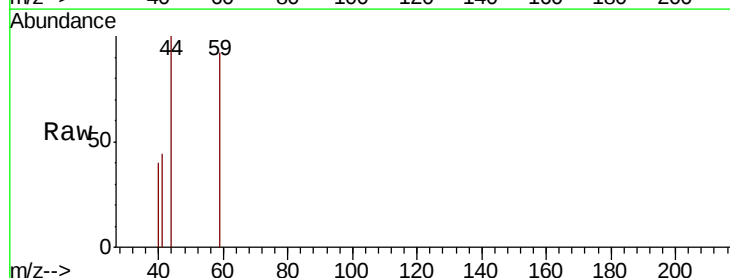
Acq: 21 Sep 2018 17:49

Tgt Ion: 59 Resp: 270

Ion Ratio Lower Upper

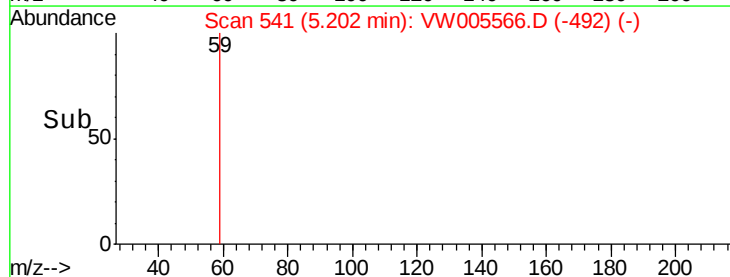
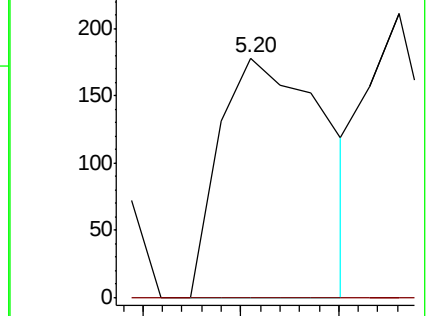
59 100

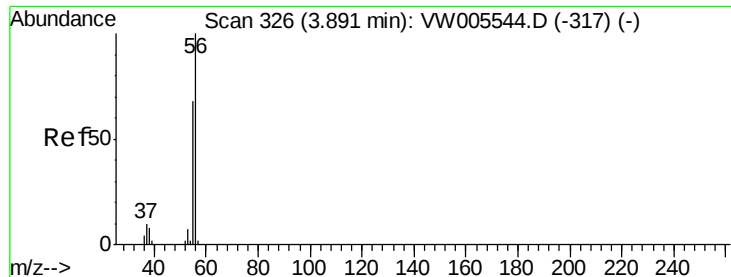
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: Below Cal

RT: 3.65 min Scan# 287

Delta R.T. -0.24 min

Lab File: VW005566.D

Acq: 21 Sep 2018 17:49

Instrument :

MSVOA_W

ClientSampleId :

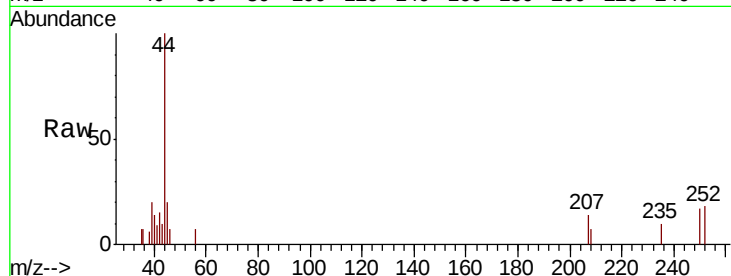
NYSEG-CLRK-PH4-A14-B1RE

Tgt Ion: 56 Resp: 42

Ion Ratio Lower Upper

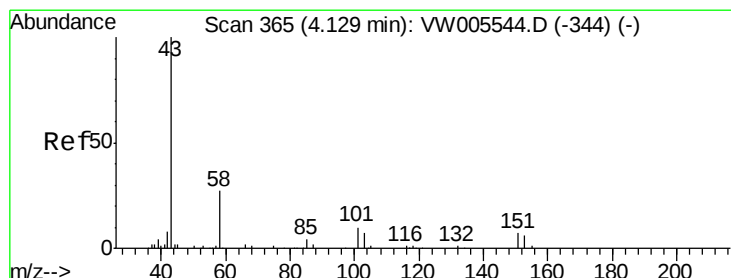
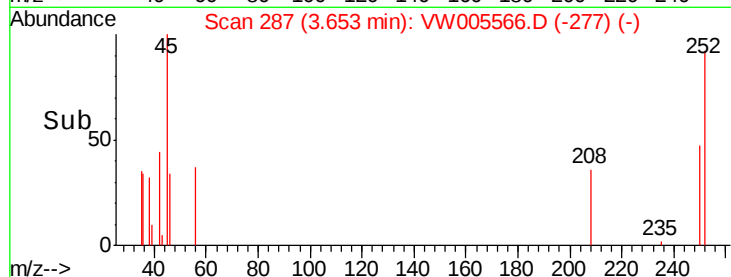
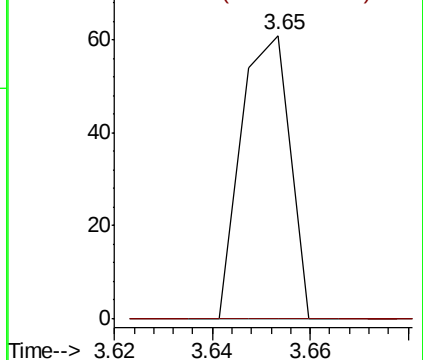
56 100

55 0.0 57.8 86.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 12.322 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW005566.D

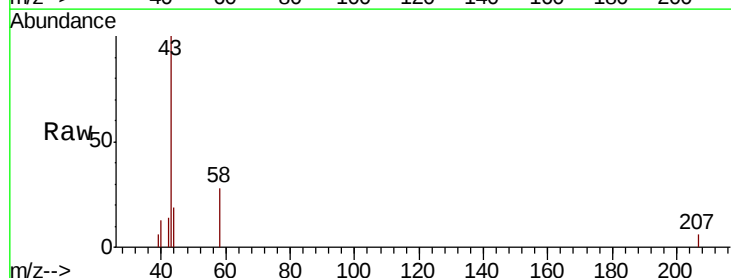
Acq: 21 Sep 2018 17:49

Tgt Ion: 43 Resp: 4526

Ion Ratio Lower Upper

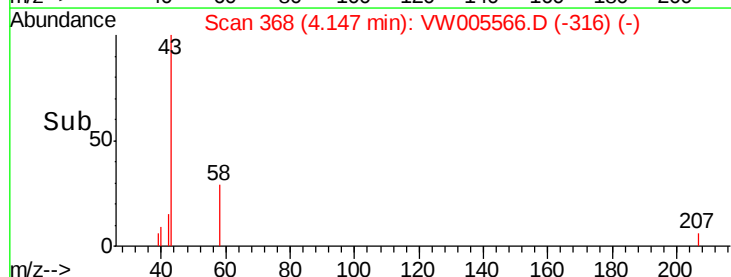
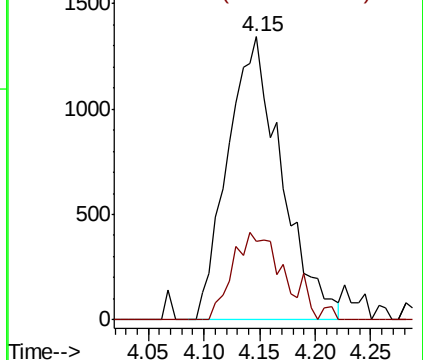
43 100

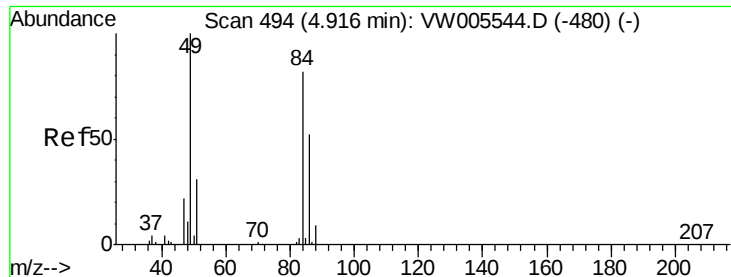
58 27.6 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

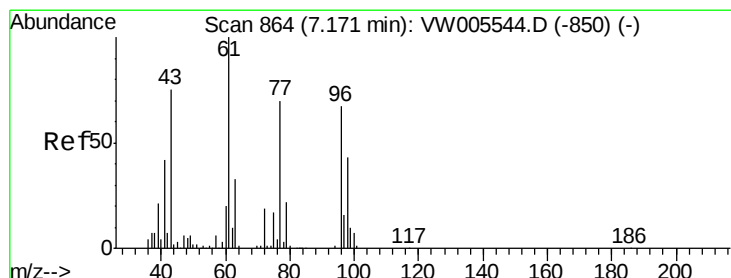
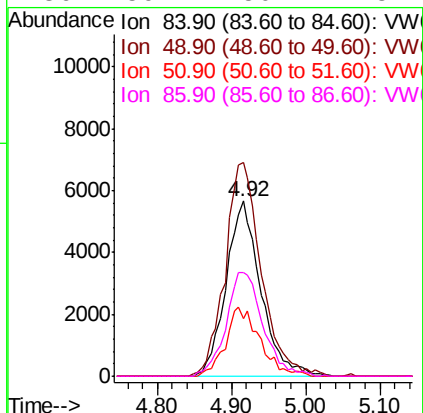
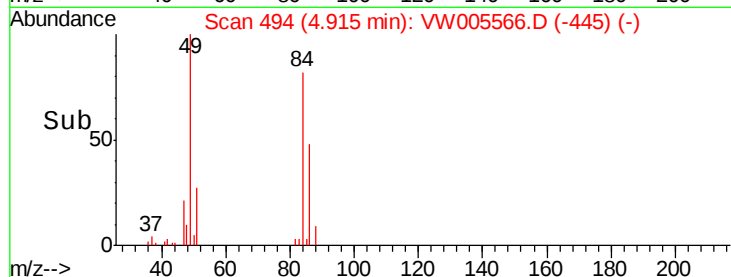
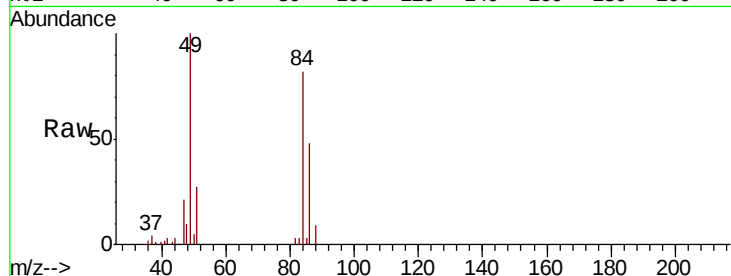




#20
Methylene Chloride
Concen: 13.137 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW005566.D
Acq: 21 Sep 2018 17:49

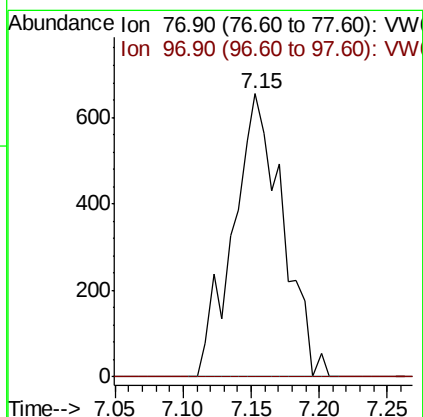
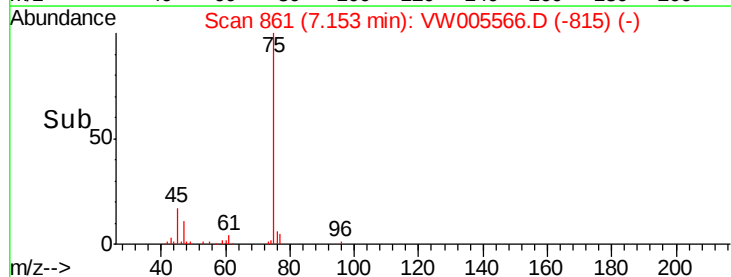
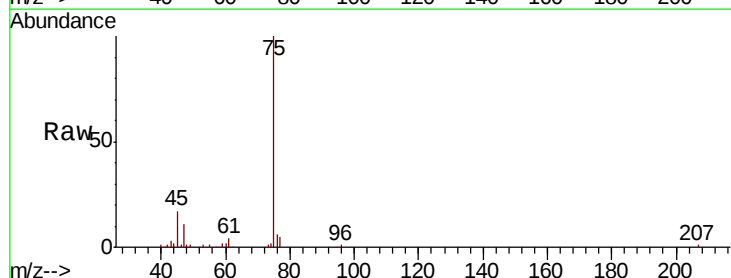
Instrument :
MSVOA_W
ClientSampleId :
NYSEG-CLRK-PH4-A14-B1RE

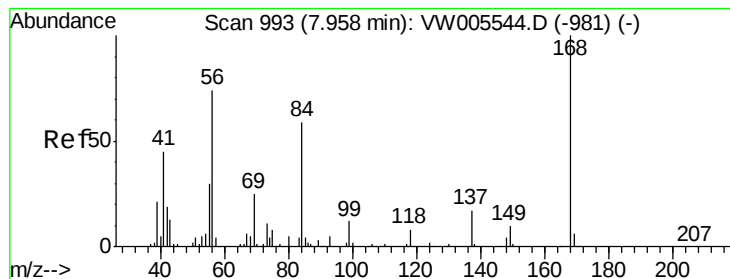
Tgt Ion: 84 Resp: 18463
Ion Ratio Lower Upper
84 100
49 121.9 97.0 145.6
51 32.7 30.2 45.2
86 59.1 50.2 75.4



#26
2,2-Dichloropropane
Concen: 1.082 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW005566.D
Acq: 21 Sep 2018 17:49

Tgt Ion: 77 Resp: 1652
Ion Ratio Lower Upper
77 100
97 0.0 11.0 33.0#





#31

Cyclohexane

Concen: 1.351 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW005566.D

Acq: 21 Sep 2018 17:49

Instrument :

MSVOA_W

ClientSampleId :

NYSEG-CLRK-PH4-A14-B1RE

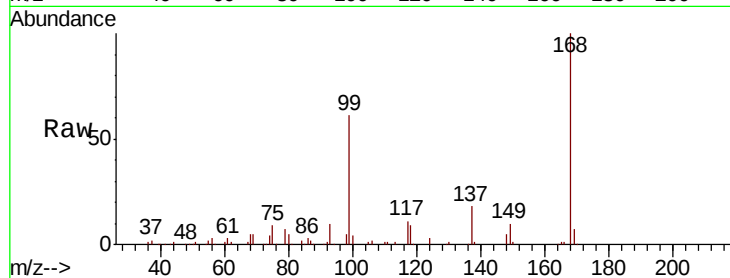
Tgt Ion: 56 Resp: 2832

Ion Ratio Lower Upper

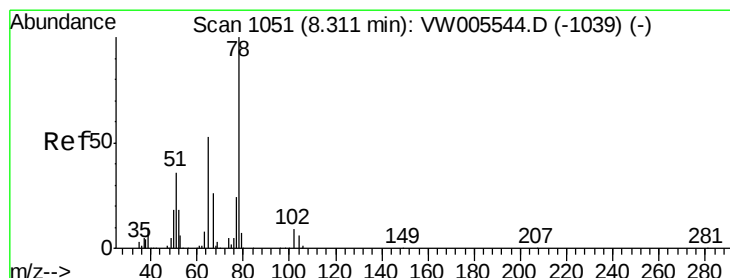
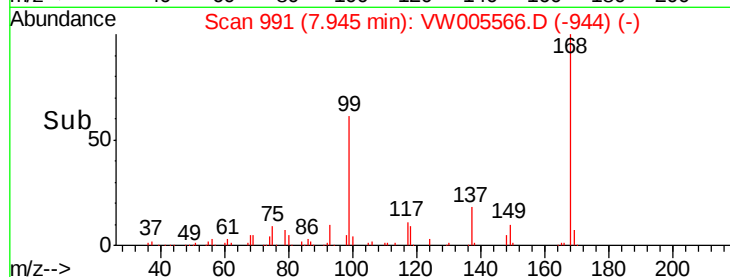
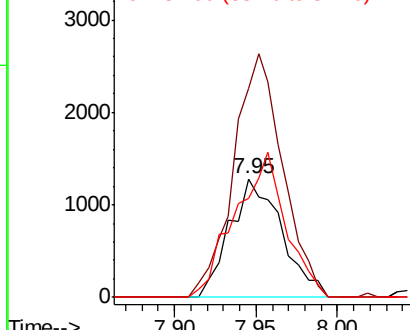
56 100

69 177.0 27.0 40.4#

84 84.1 64.2 96.4



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 52.611 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW005566.D

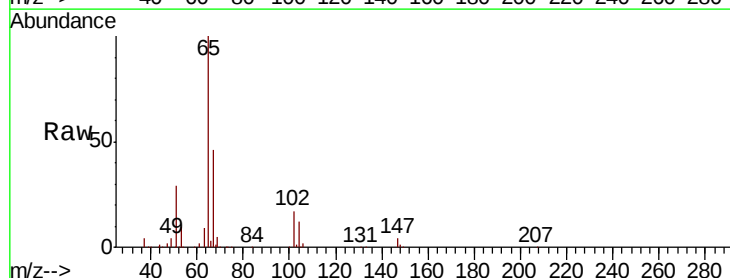
Acq: 21 Sep 2018 17:49

Tgt Ion: 65 Resp: 71132

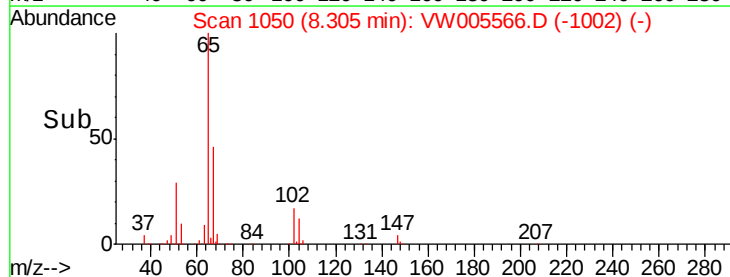
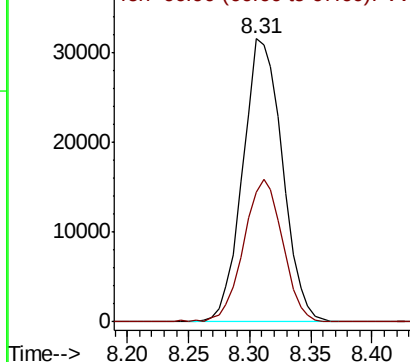
Ion Ratio Lower Upper

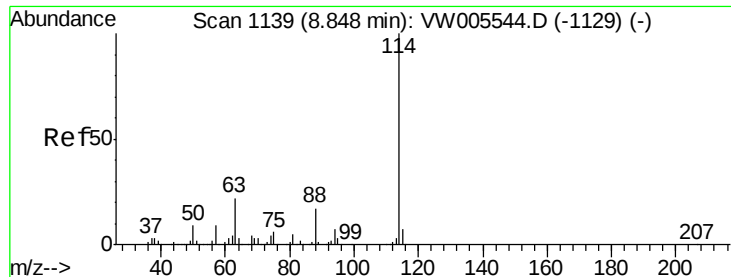
65 100

67 49.6 0.0 100.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

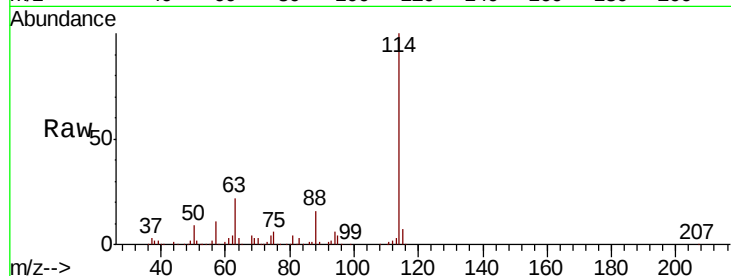




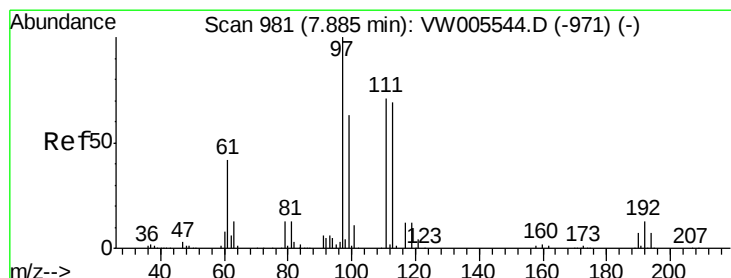
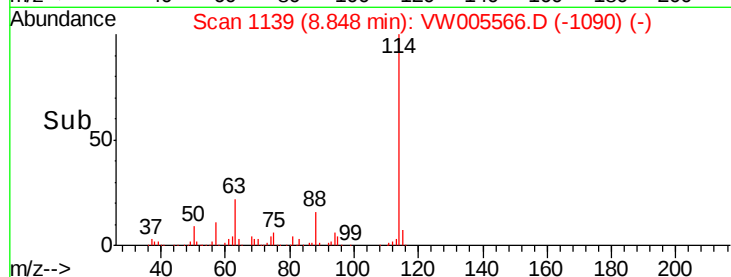
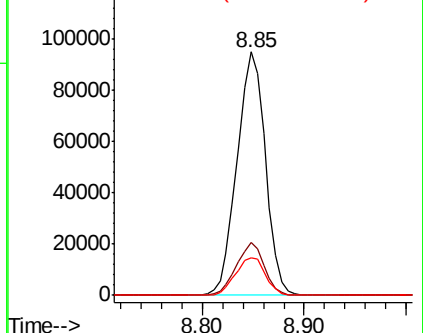
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005566.D
 Acq: 21 Sep 2018 17:49

Instrument :
 MSVOA_W
 ClientSampleId :
 NYSEG-CLRK-PH4-A14-B1RE

Tgt Ion:114 Resp: 183343
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.0
 88 15.6 0.0 33.0

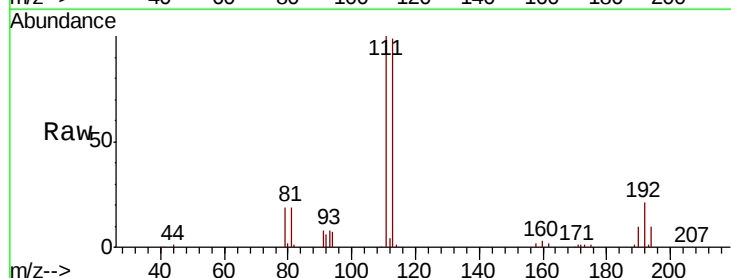


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

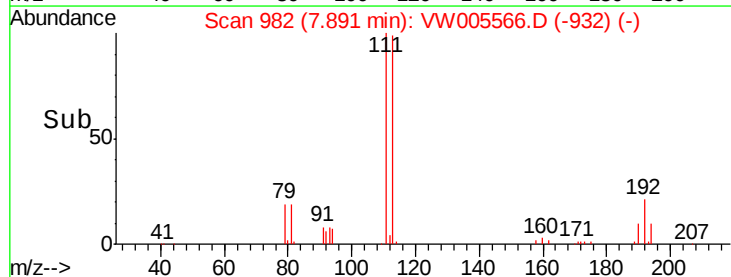
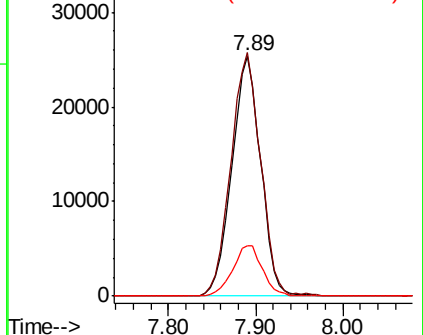


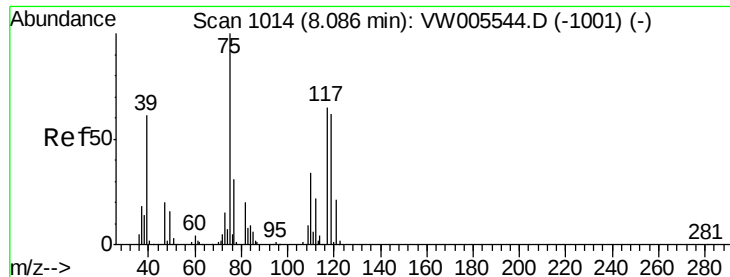
#35
 Dibromofluoromethane
 Concen: 50.466 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005566.D
 Acq: 21 Sep 2018 17:49

Tgt Ion:113 Resp: 58186
 Ion Ratio Lower Upper
 113 100
 111 104.6 82.6 123.8
 192 21.6 17.0 25.4



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: 5.094 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW005566.D

Acq: 21 Sep 2018 17:49

Instrument :

MSVOA_W

ClientSampleId :

NYSEG-CLRK-PH4-A14-B1RE

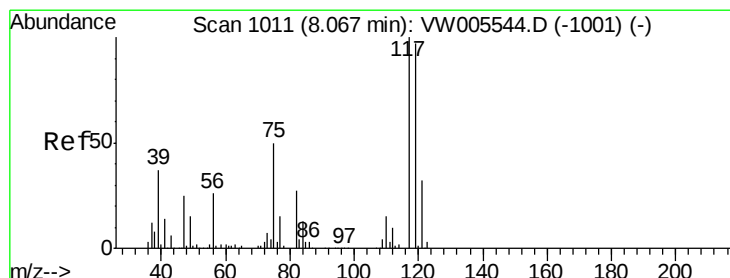
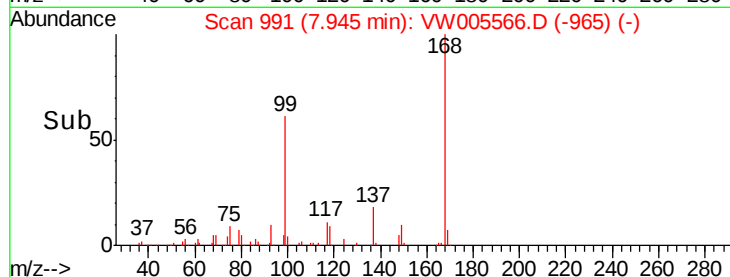
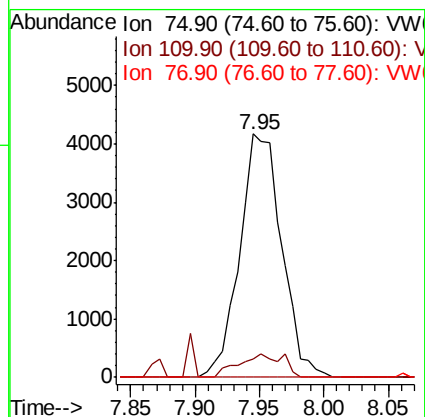
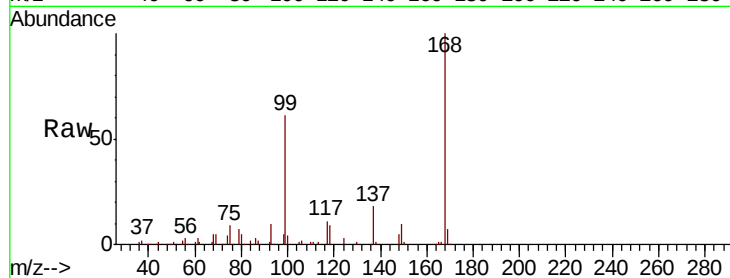
Tgt Ion: 75 Resp: 9402

Ion Ratio Lower Upper

75 100

110 10.2 17.0 50.9#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.904 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005566.D

Acq: 21 Sep 2018 17:49

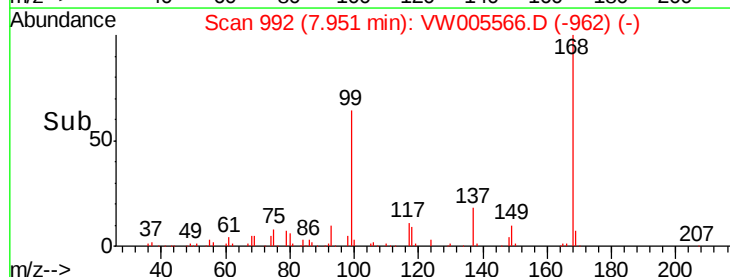
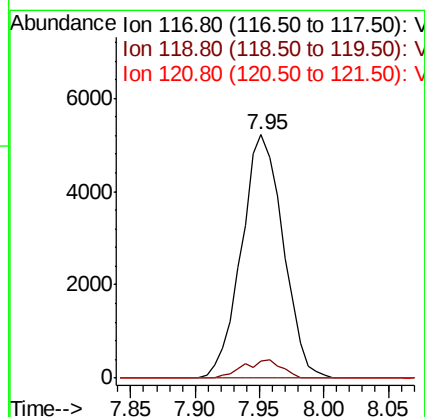
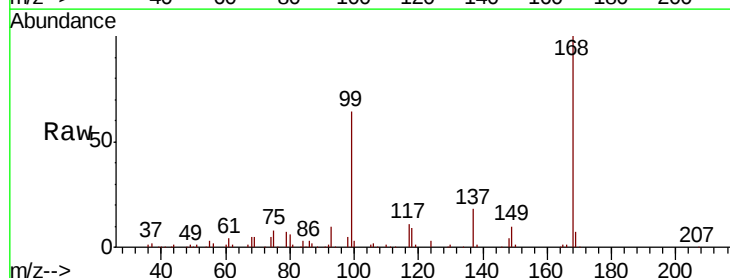
Tgt Ion: 117 Resp: 11676

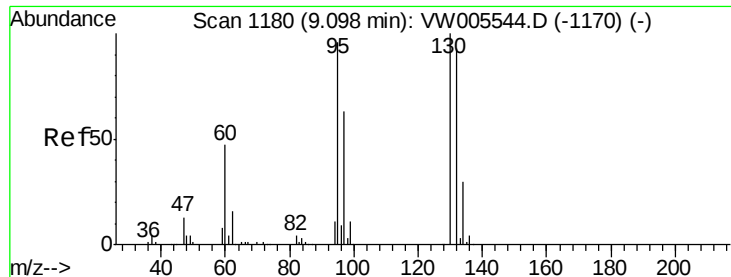
Ion Ratio Lower Upper

117 100

119 6.8 77.6 116.4#

121 0.0 25.7 38.5#





#44

Trichloroethene

Concen: 1.614 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW005566.D

Acq: 21 Sep 2018 17:49

Instrument :

MSVOA_W

ClientSampleId :

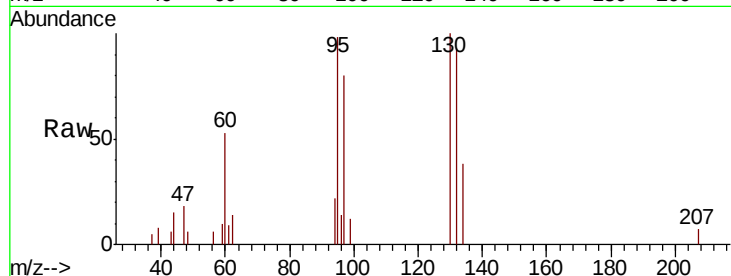
NYSEG-CLRK-PH4-A14-B1RE

Tgt Ion:130 Resp: 2160

Ion Ratio Lower Upper

130 100

95 97.7 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): VW

Ion 94.90 (94.60 to 95.60): VW

9.10

1200

1000

800

600

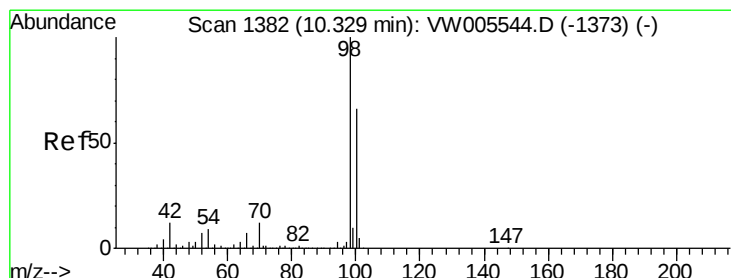
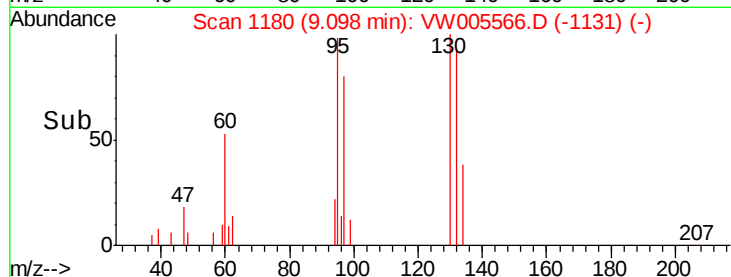
400

200

0

Time-->

9.05 9.10 9.15



#50

Toluene-d8

Concen: 39.312 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005566.D

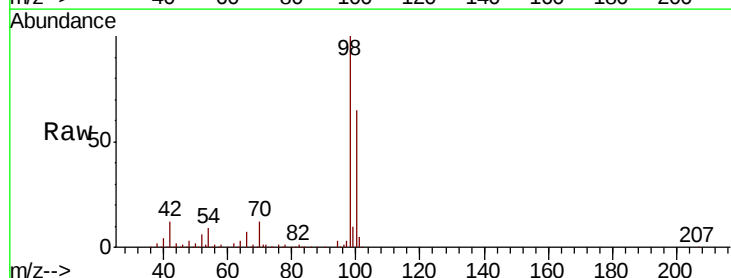
Acq: 21 Sep 2018 17:49

Tgt Ion: 98 Resp: 184557

Ion Ratio Lower Upper

98 100

100 63.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

120000

100000

80000

60000

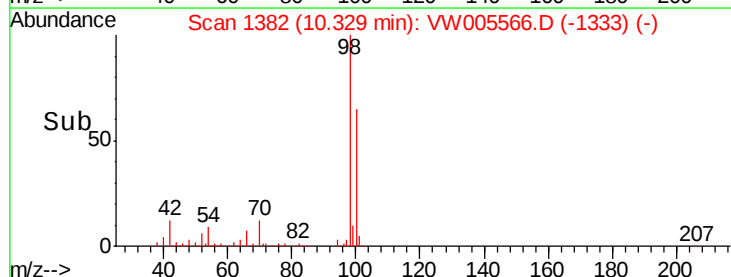
40000

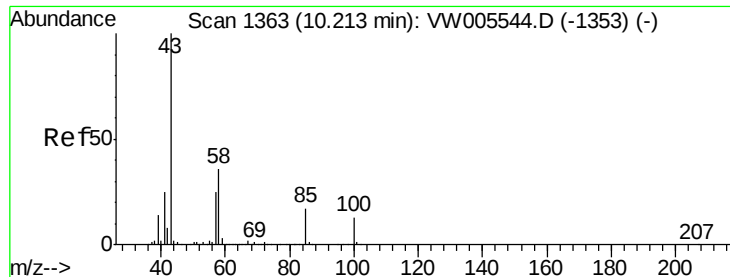
20000

0

Time-->

10.30 10.40

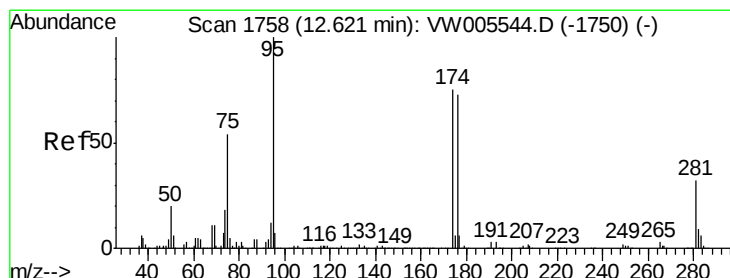
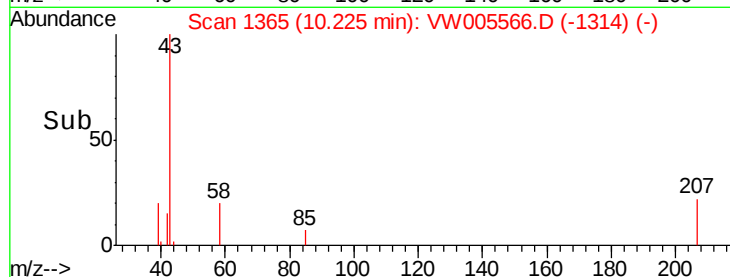
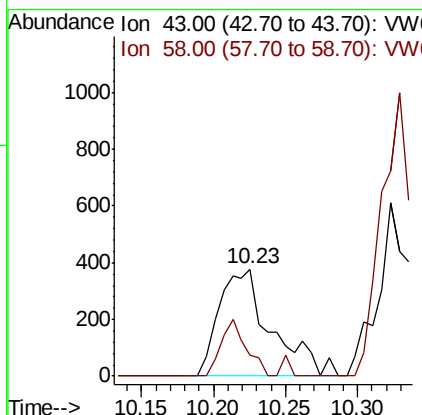
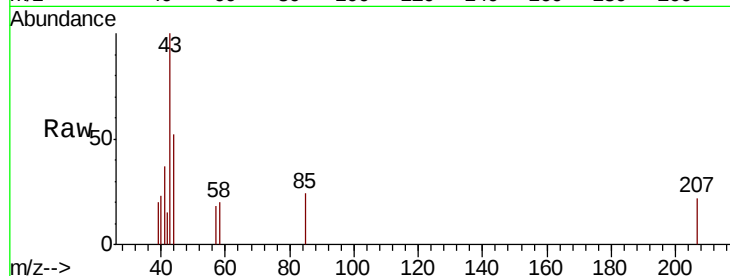




#51
 4-Methyl-2-Pentanone
 Concen: 1.236 ug/l
 RT: 10.23 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VW005566.D
 Acq: 21 Sep 2018 17:49

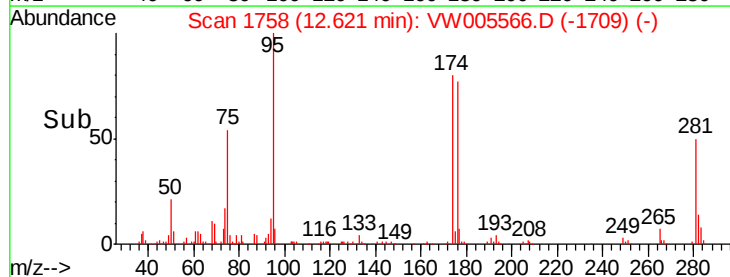
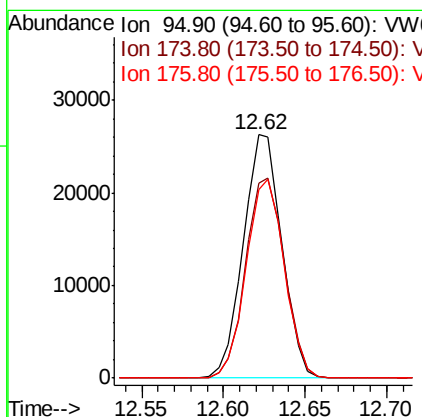
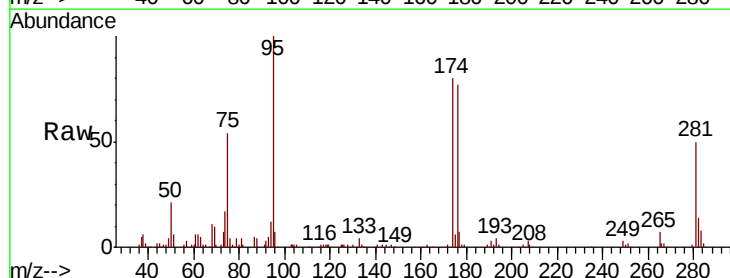
Instrument :
 MSVOA_W
 ClientSampleId :
 NYSEG-CLRK-PH4-A14-B1RE

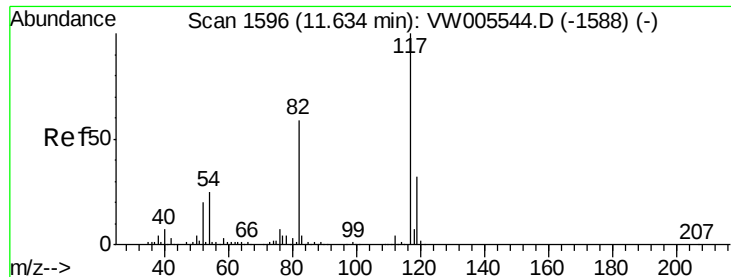
Tgt Ion: 43 Resp: 951
 Ion Ratio Lower Upper
 43 100
 58 25.8 30.0 45.0#



#62
 4-Bromofluorobenzene
 Concen: 24.921 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW005566.D
 Acq: 21 Sep 2018 17:49

Tgt Ion: 95 Resp: 43291
 Ion Ratio Lower Upper
 95 100
 174 83.2 0.0 163.8
 176 81.1 0.0 158.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VW005566.D

Acq: 21 Sep 2018 17:49

Instrument :

MSVOA_W

ClientSampleId :

NYSEG-CLRK-PH4-A14-B1RE

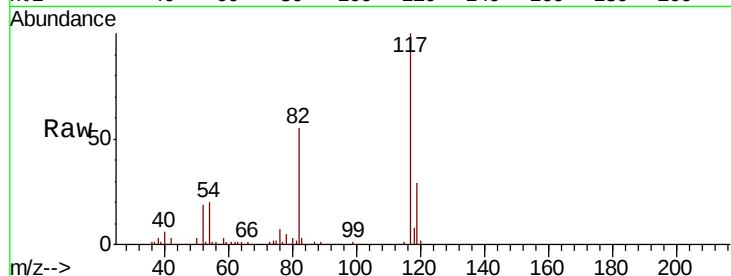
Tgt Ion:117 Resp: 142857

Ion Ratio Lower Upper

117 100

82 54.9 46.9 70.3

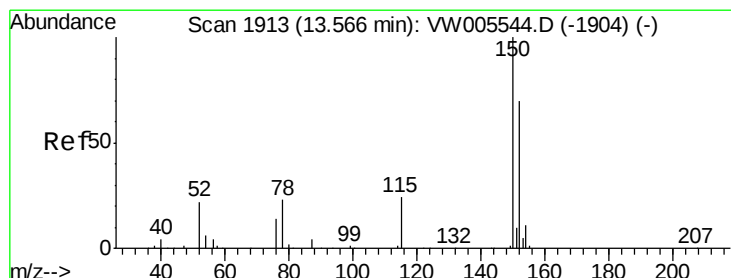
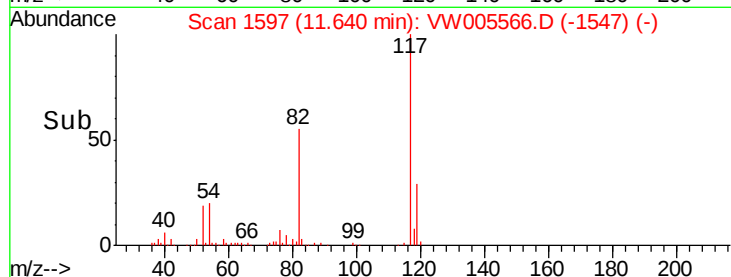
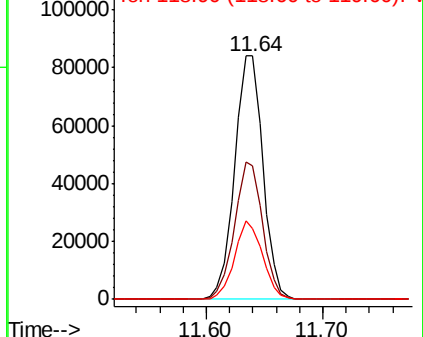
119 28.9 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005566.D

Acq: 21 Sep 2018 17:49

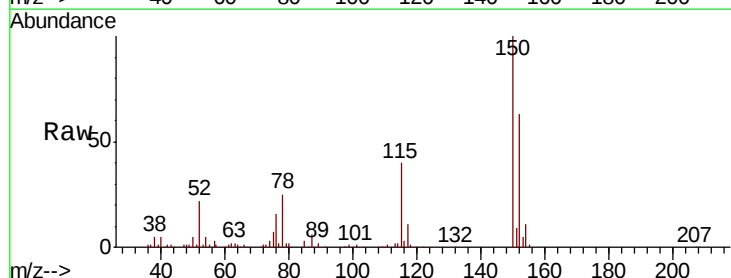
Tgt Ion:152 Resp: 39350

Ion Ratio Lower Upper

152 100

115 59.3 30.0 90.0

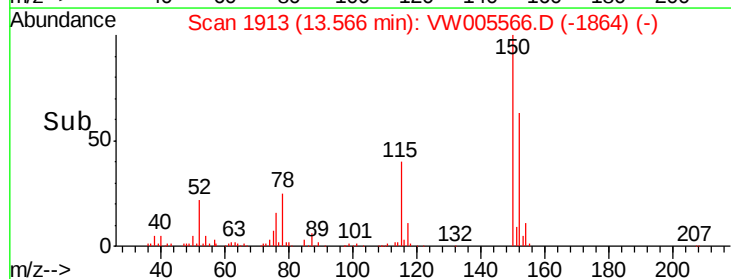
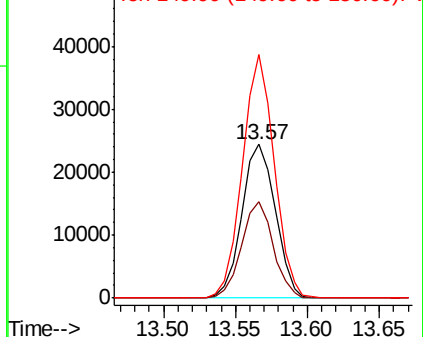
150 150.3 0.0 348.6

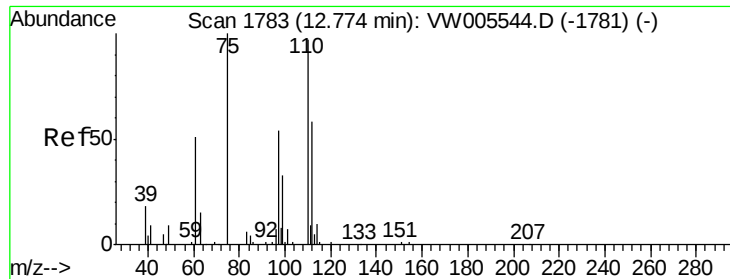


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

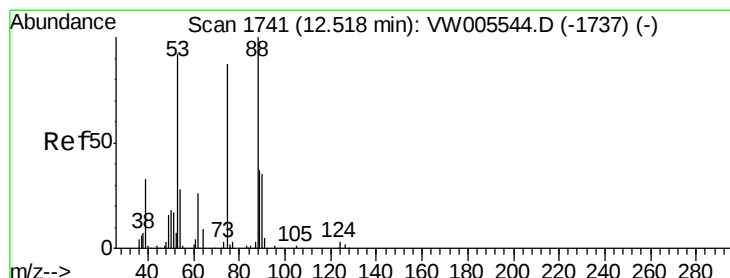
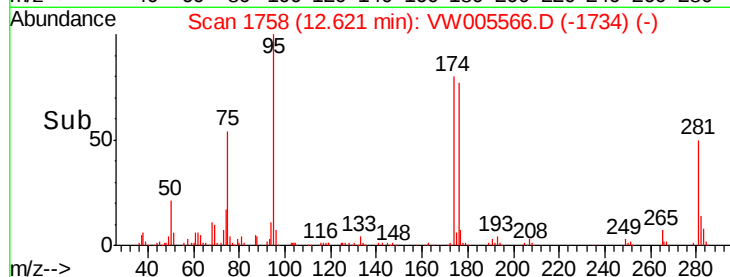
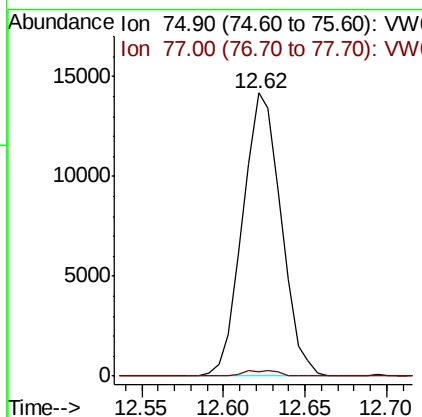
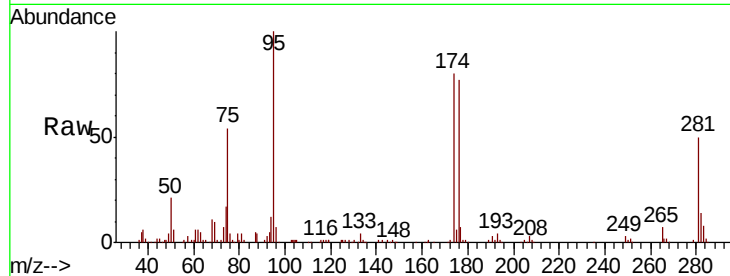




#76
 1,2,3-Trichloropropane
 Concen: 69.612 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005566.D
 Acq: 21 Sep 2018 17:49

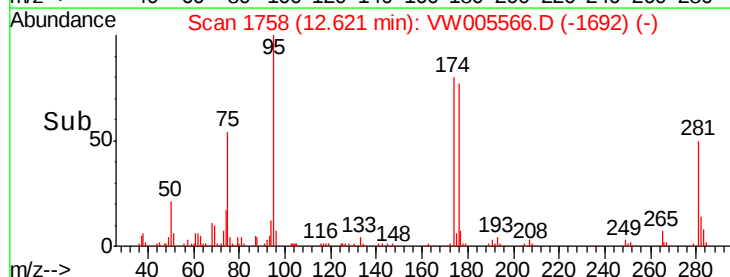
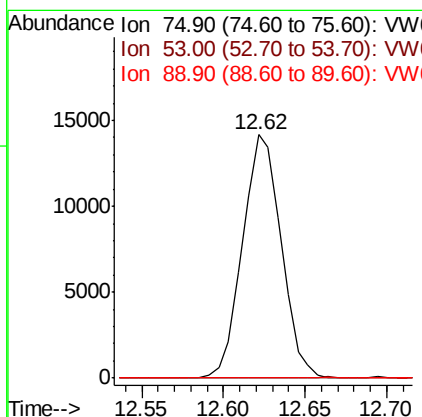
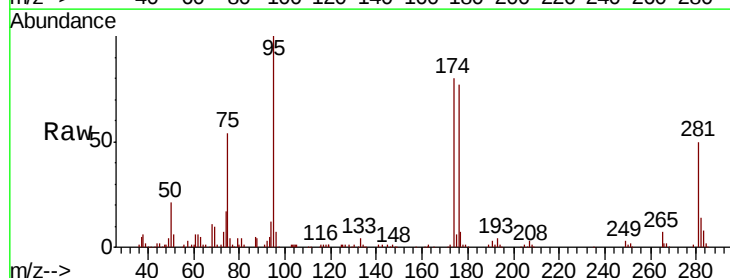
Instrument :
 MSVOA_W
 ClientSampleId :
 NYSEG-CLRK-PH4-A14-B1RE

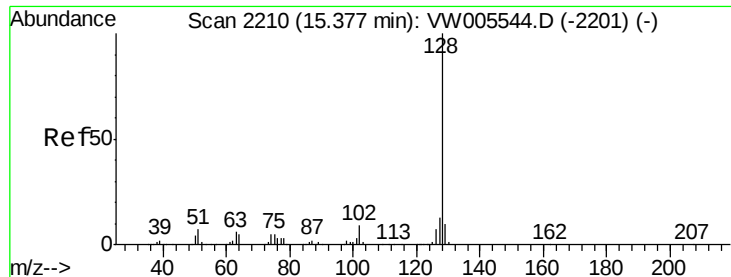
Tgt Ion: 75 Resp: 23350
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 156.787 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW005566.D
 Acq: 21 Sep 2018 17:49

Tgt Ion: 75 Resp: 23350
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.8 128.6#
 89 0.0 37.3 55.9#

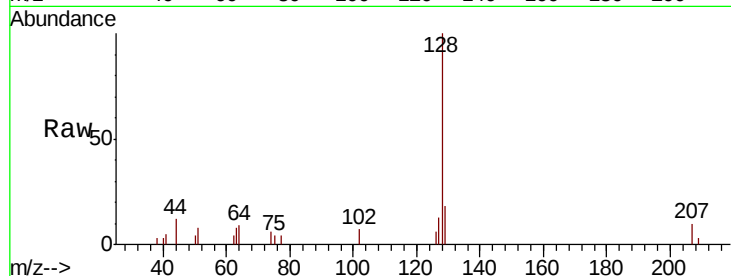




#95
Naphthalene
Concen: 2.603 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW005566.D
Acq: 21 Sep 2018 17:49

Instrument :
MSVOA_W
ClientSampleId :
NYSEG-CLRK-PH4-A14-B1RE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.9	16.3
129	10.9	8.6	13.0



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

