

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010519.D
 Acq On : 22 May 2019 19:13
 Operator : SY/VA
 Sample : K2994-06
 Misc : 3.62G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-8-D2

Quant Time: May 23 06:59:45 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

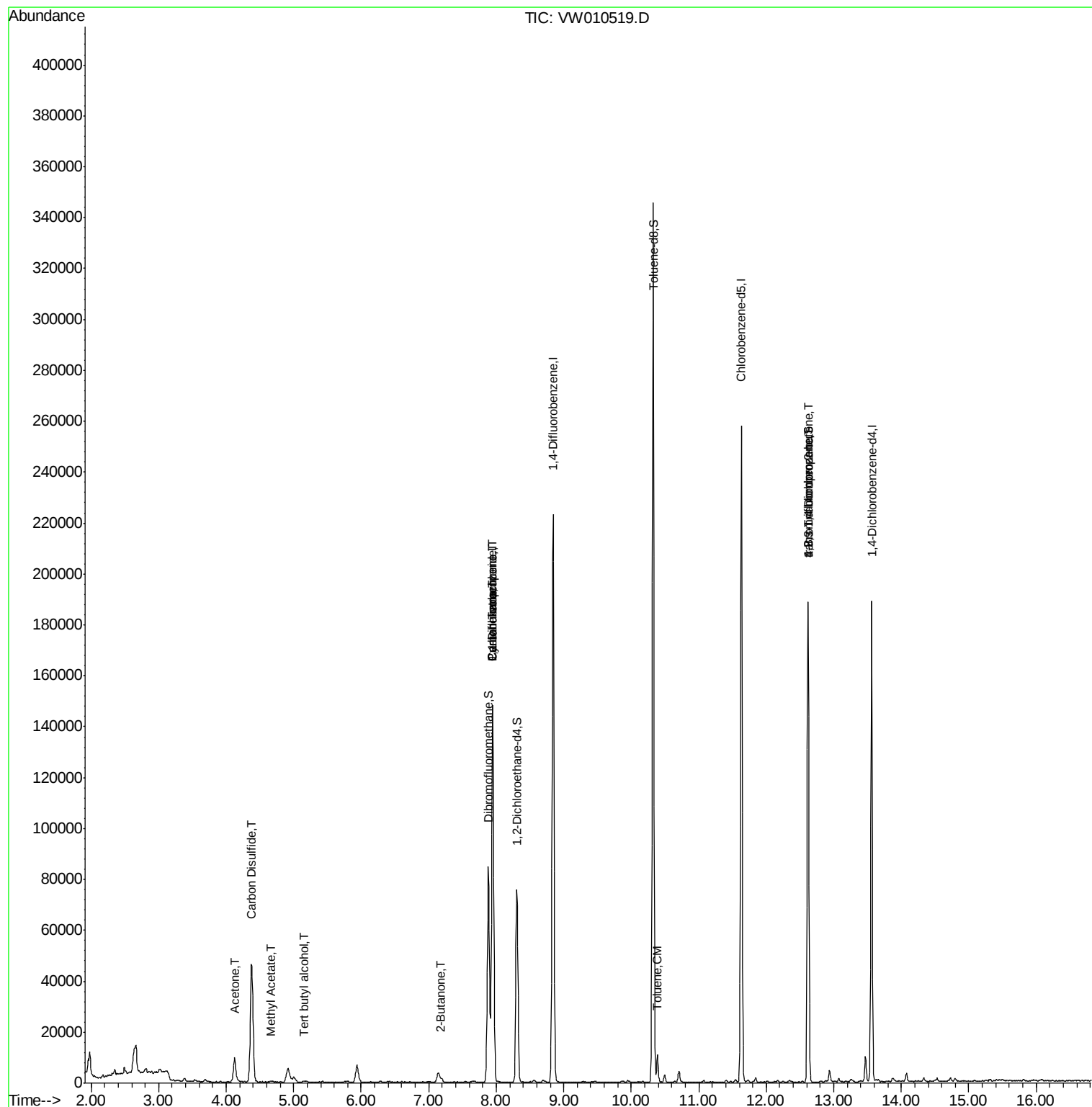
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	108944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	198491	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	151732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	47977	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	60389	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
35) Dibromofluoromethane	7.88	113	60888	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	10.32	98	236831	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.62	95	68550	37.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.80%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.15	59	650	6.426	ug/l #	80
13) Acrolein	3.93	56	25	Below Cal	#	1
16) Acetone	4.12	43	15838	69.001	ug/l	97
17) Carbon Disulfide	4.37	76	96590	28.141	ug/l	98
18) Methyl Acetate	4.67	43	1058	1.885	ug/l #	73
20) Methylene Chloride	4.92	84	4457	Below Cal		88
25) 2-Butanone	7.18	43	2132	6.490	ug/l	94
31) Cyclohexane	7.94	56	2295	1.075	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	8732	4.722	ug/l #	49
38) Carbon Tetrachloride	7.95	117	11778	5.905	ug/l #	16
52) Toluene	10.39	92	4727	1.370	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	32607	66.955	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	32607	139.737	ug/l #	14

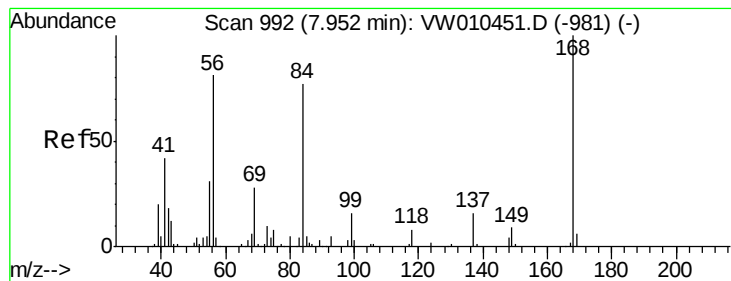
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052219\
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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: VW010519.D

Acq: 22 May 2019 19:13

Instrument :

MSVOA_W

ClientSampleId :

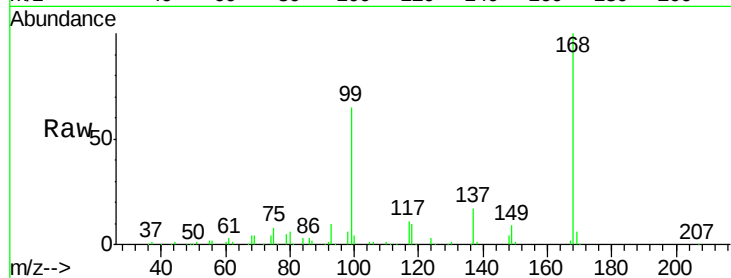
TP-8-D2

Tot Ion:168 Resp: 108944

Ion Ratio Lower Upper

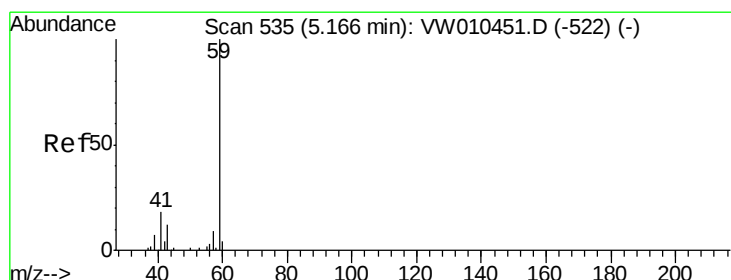
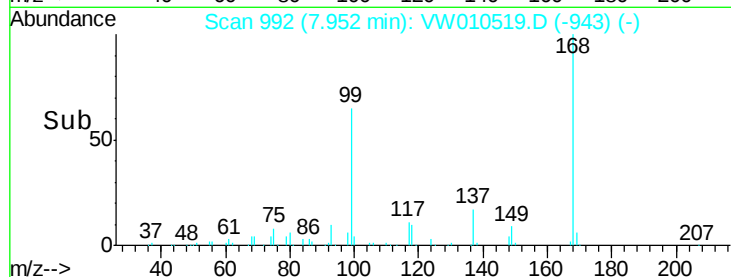
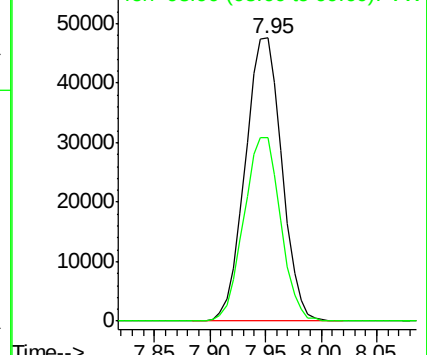
168 100

99 64.7 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 6.426 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.02 min

Lab File: VW010519.D

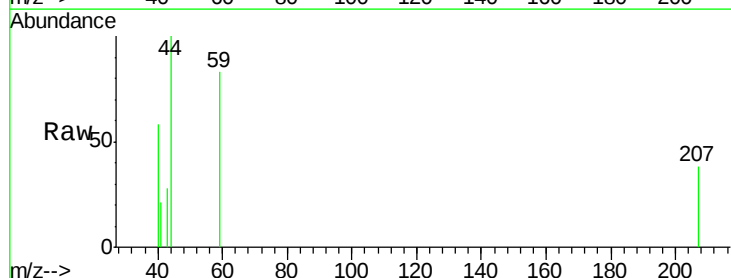
Acq: 22 May 2019 19:13

Tgt Ion: 59 Resp: 650

Ion Ratio Lower Upper

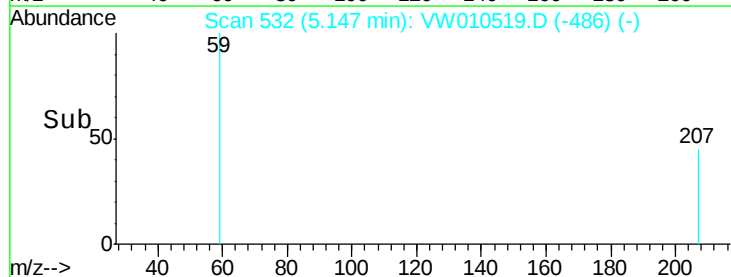
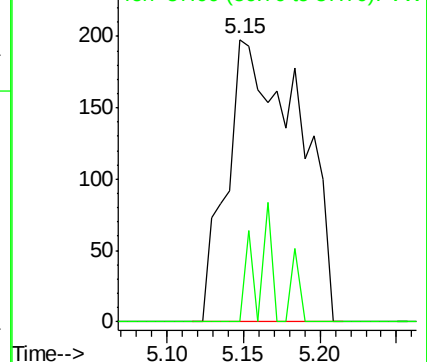
59 100

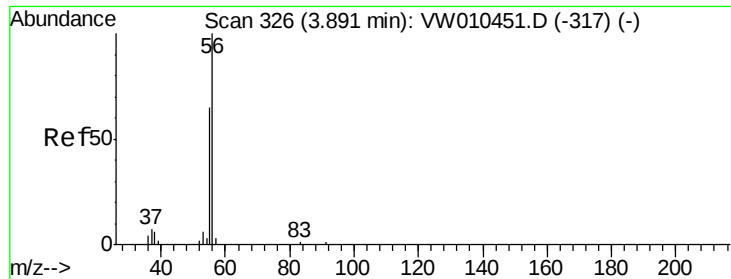
57 3.5 8.8 13.2#



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: 3.93 min Scan# 332

Delta R.T. 0.04 min

Lab File: VW010519.D

Acq: 22 May 2019 19:13

Instrument :

MSVOA_W

ClientSampled :

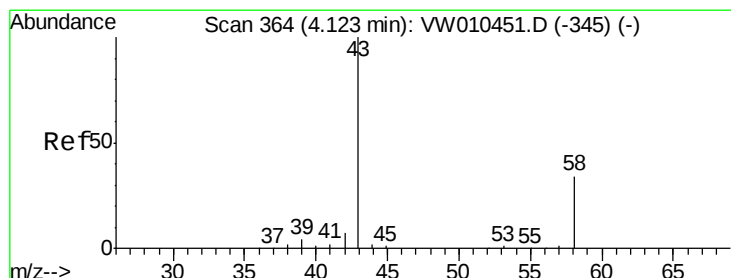
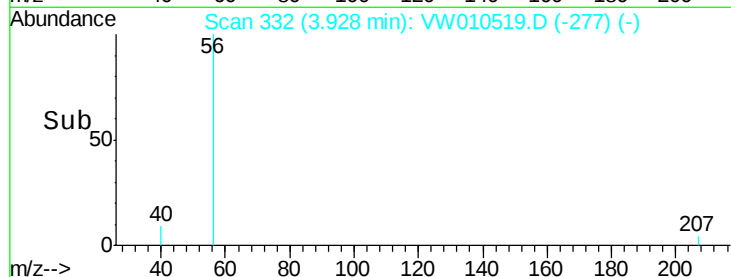
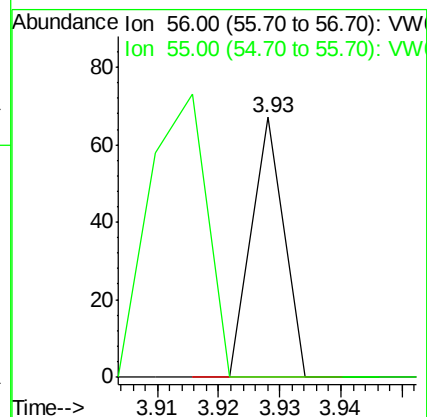
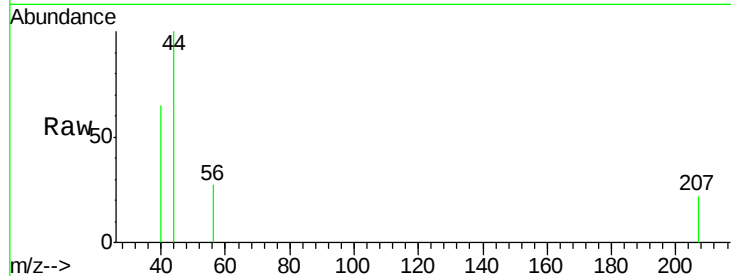
TP-8-D2

Tot Ion: 56 Resp: 25

Ion Ratio Lower Upper

56 100

55 192.0 57.9 86.9#



#16

Acetone

Concen: 69.001 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW010519.D

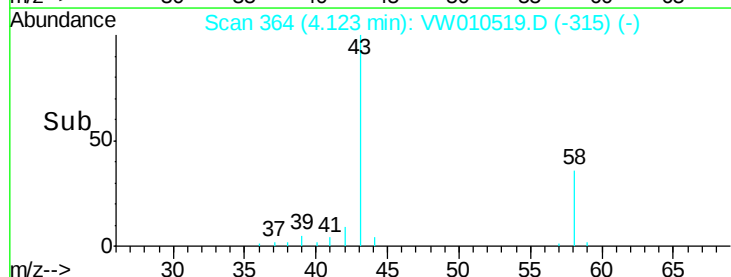
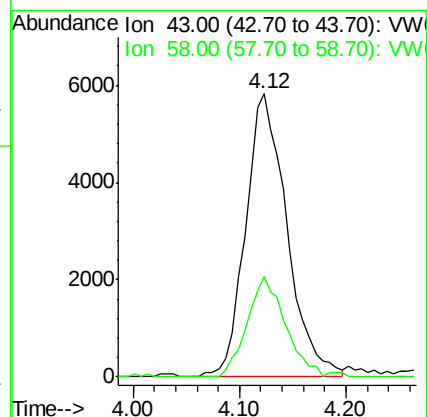
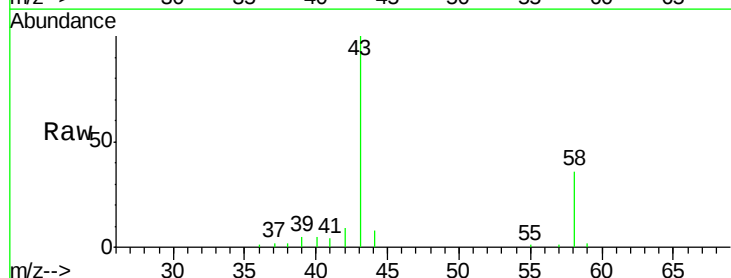
Acq: 22 May 2019 19:13

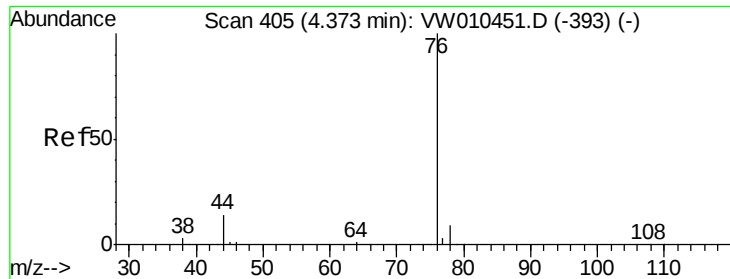
Tgt Ion: 43 Resp: 15838

Ion Ratio Lower Upper

43 100

58 35.6 27.0 40.4





#17

Carbon Disulfide

Concen: 28.141 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW010519.D

Acq: 22 May 2019 19:13

Instrument :

MSVOA_W

ClientSampleId :

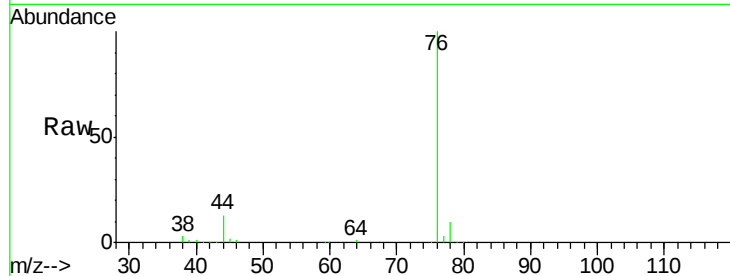
TP-8-D2

Tot Ion: 76 Resp: 96590

Ion Ratio Lower Upper

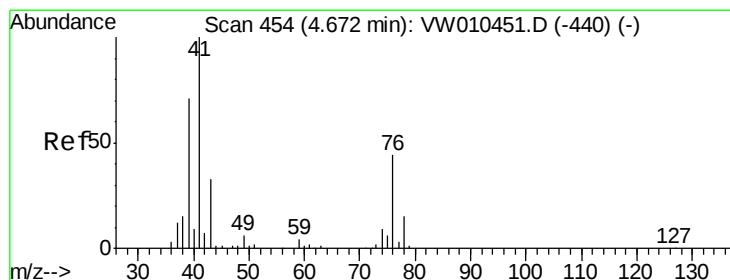
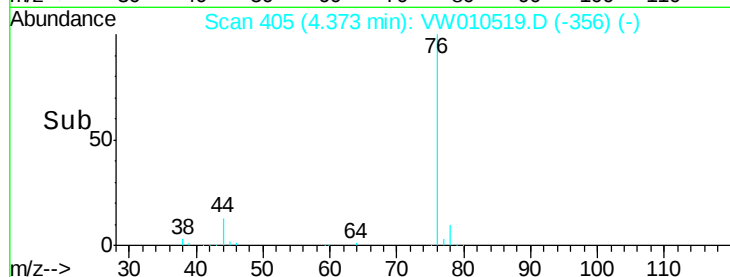
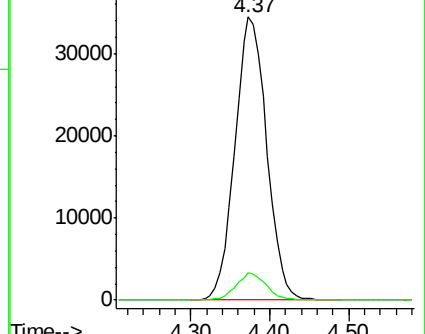
76 100

78 9.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 1.885 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010519.D

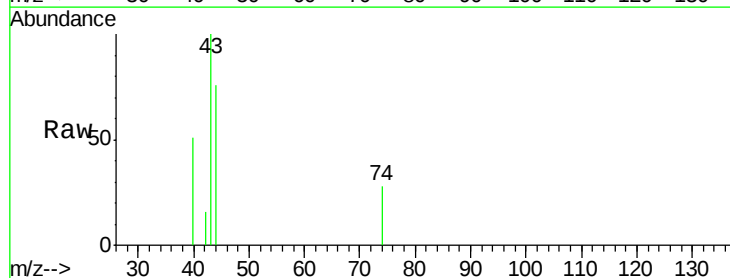
Acq: 22 May 2019 19:13

Tgt Ion: 43 Resp: 1058

Ion Ratio Lower Upper

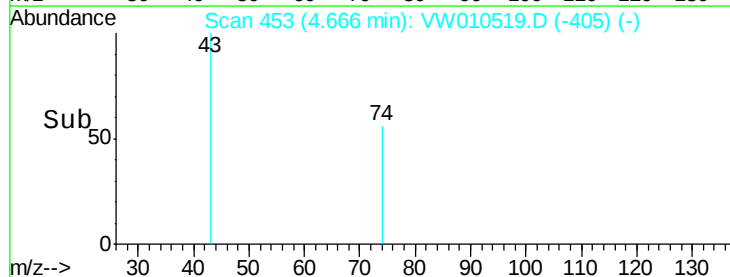
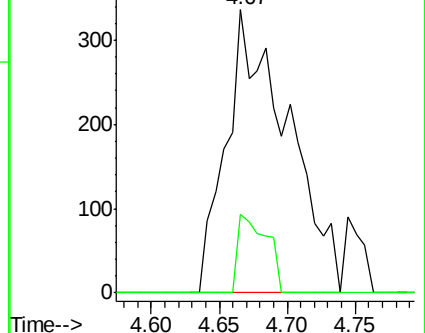
43 100

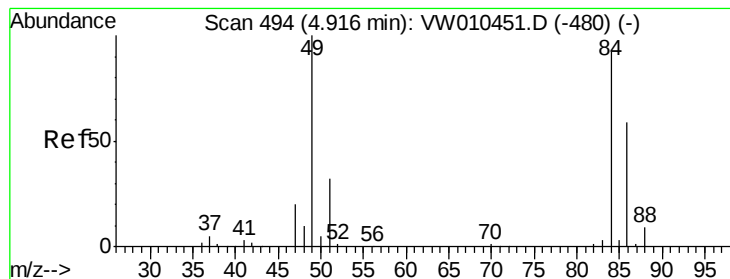
74 13.1 21.6 32.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW010519.D

Acq: 22 May 2019 19:13

Instrument :
MSVOA_W
ClientSampleId :
TP-8-D2

Tot Ion: 84 Resp: 4457

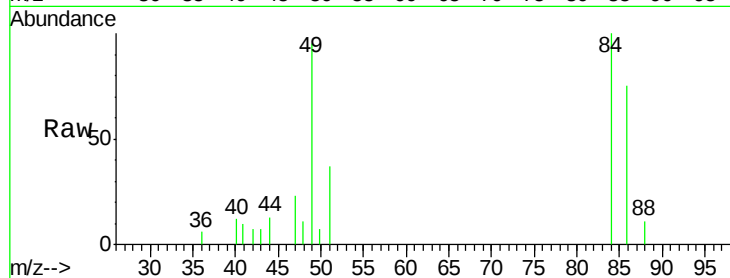
Ion Ratio Lower Upper

84 100

49 95.1 87.2 130.8

51 36.7 27.7 41.5

86 75.4 51.4 77.0

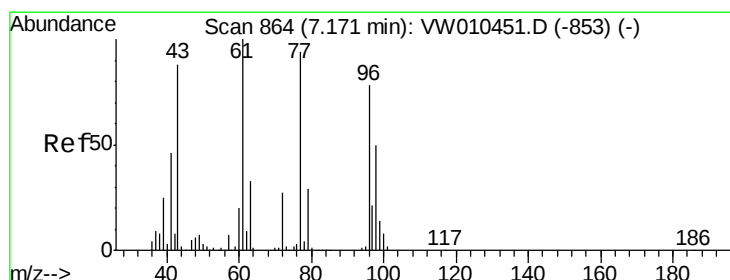
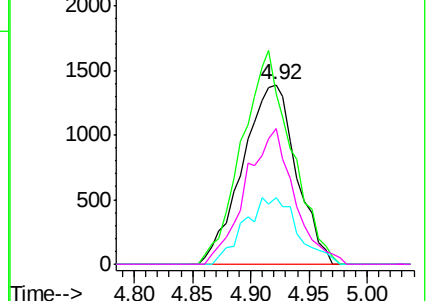
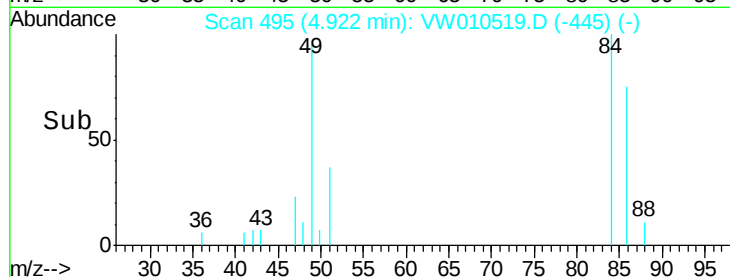


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 6.490 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010519.D

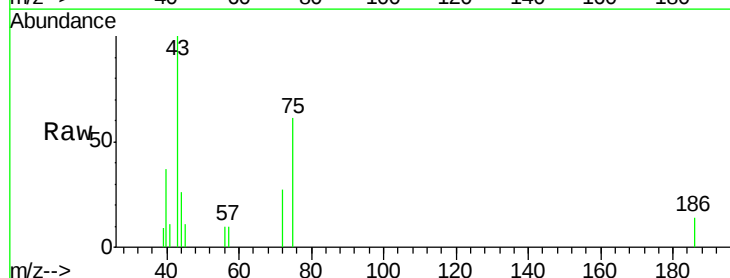
Acq: 22 May 2019 19:13

Tgt Ion: 43 Resp: 2132

Ion Ratio Lower Upper

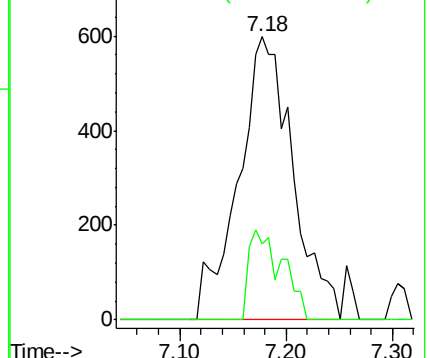
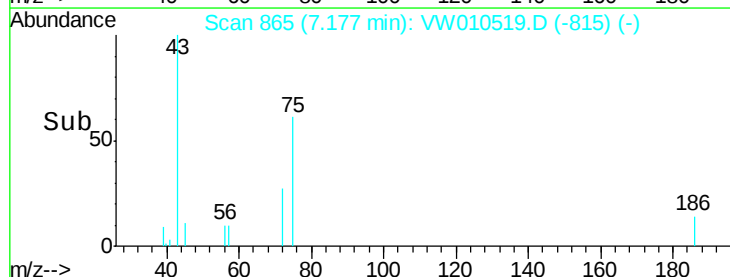
43 100

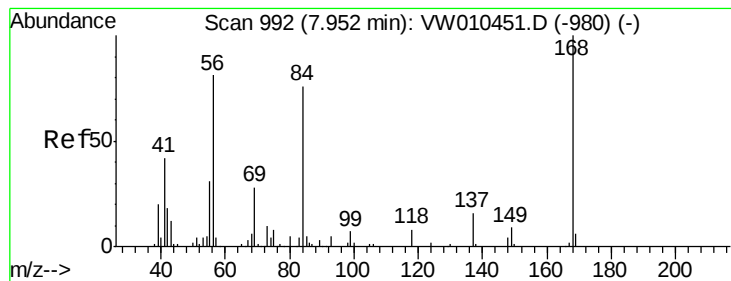
72 26.8 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.075 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW010519.D

Acq: 22 May 2019 19:13

Instrument :

MSVOA_W

ClientSampleID :

TP-8-D2

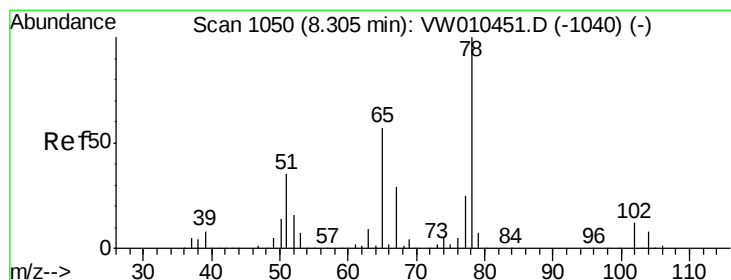
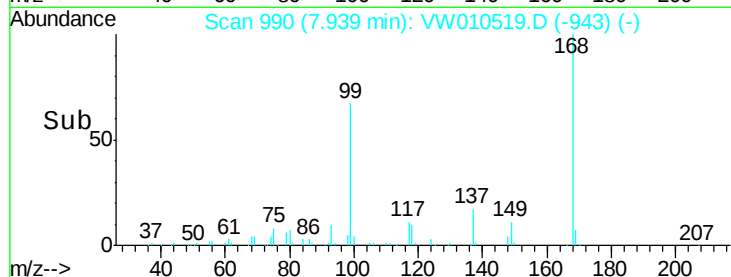
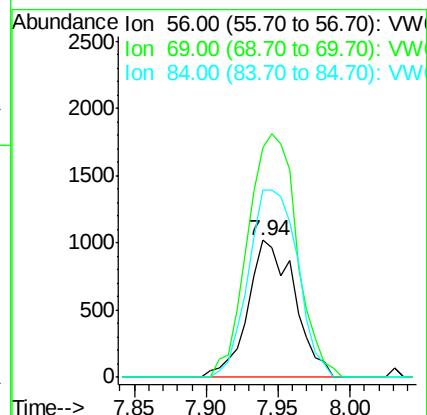
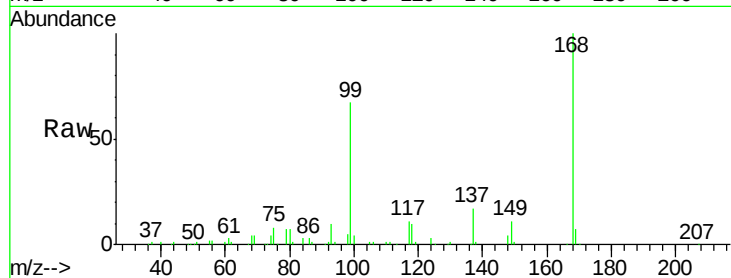
Tot Ion: 56 Resp: 2295

Ion Ratio Lower Upper

56 100

69 166.9 28.2 42.2#

84 136.8 75.8 113.8#



#33

1,2-Dichloroethane-d4

Concen: 53.704 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010519.D

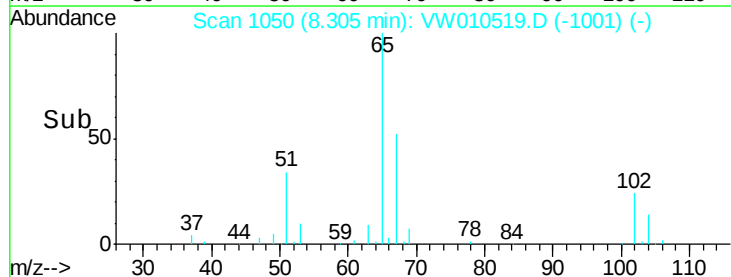
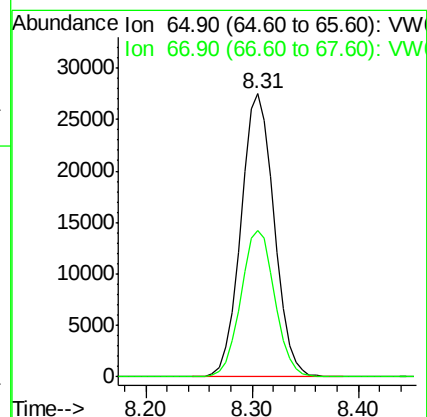
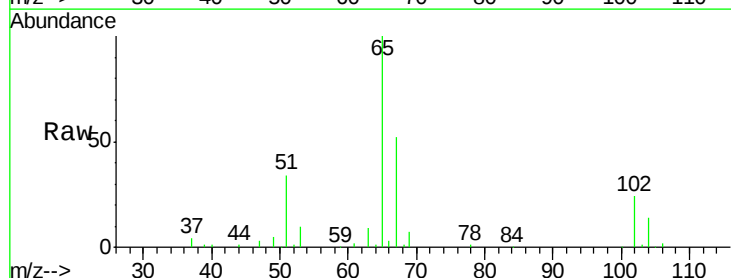
Acq: 22 May 2019 19:13

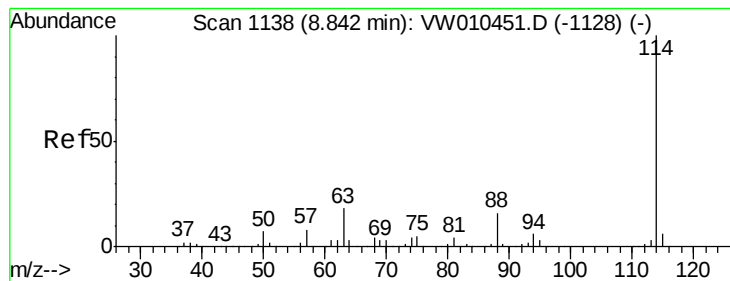
Tgt Ion: 65 Resp: 60389

Ion Ratio Lower Upper

65 100

67 52.3 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: VW010519.D

Acq: 22 May 2019 19:13

Instrument :

MSVOA_W

ClientSampleId :

TP-8-D2

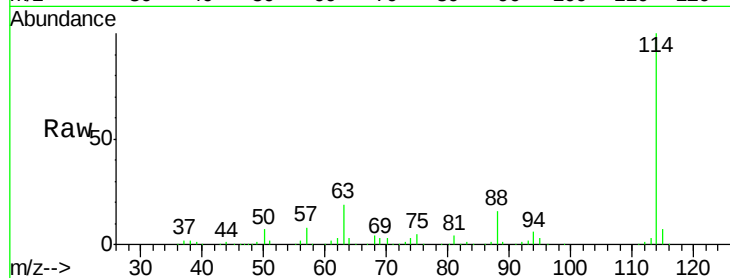
Tot Ion:114 Resp: 198491

Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.0

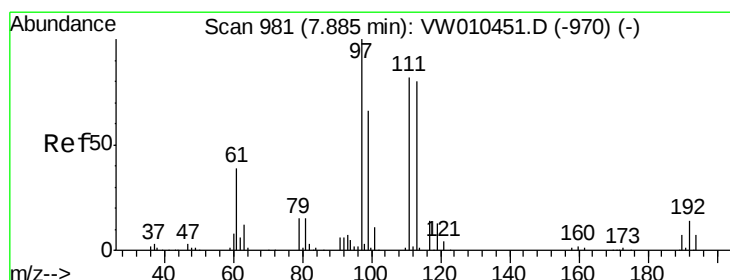
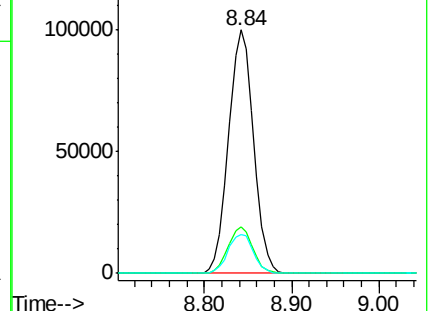
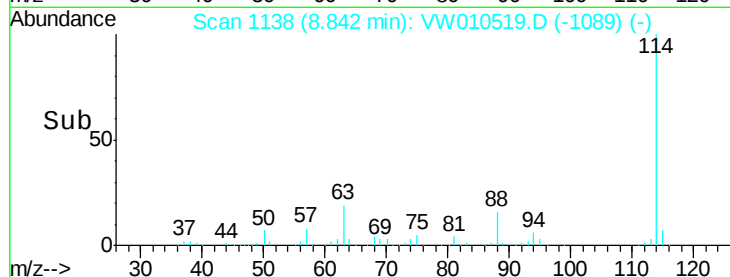
88 16.0 0.0 32.0



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: 50.554 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010519.D

Acq: 22 May 2019 19:13

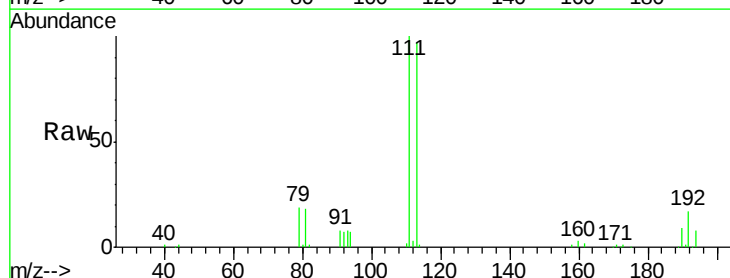
Tgt Ion:113 Resp: 60888

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

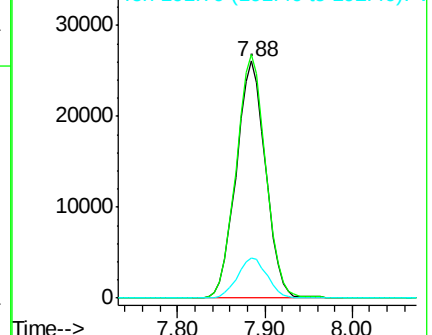
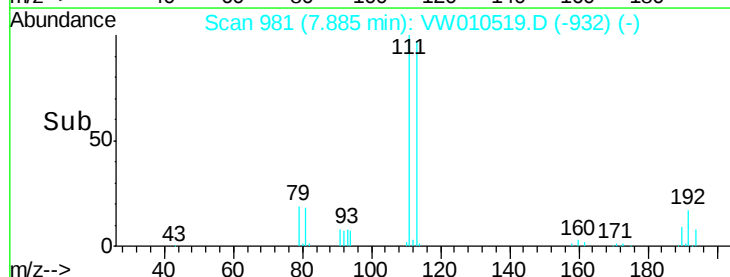
192 17.0 14.3 21.5

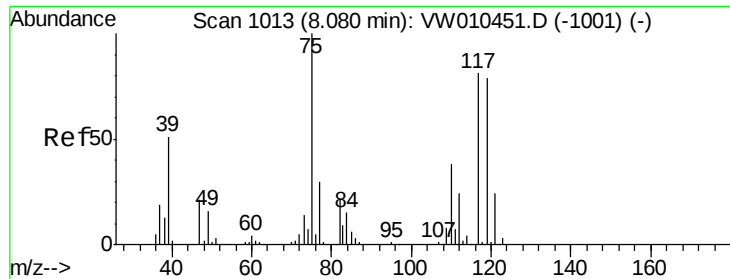


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

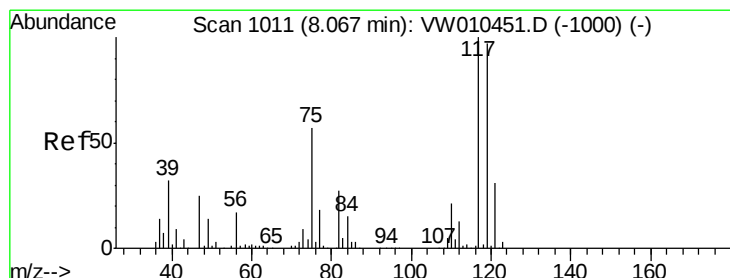
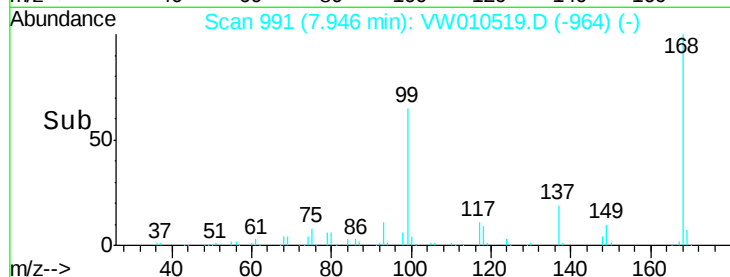
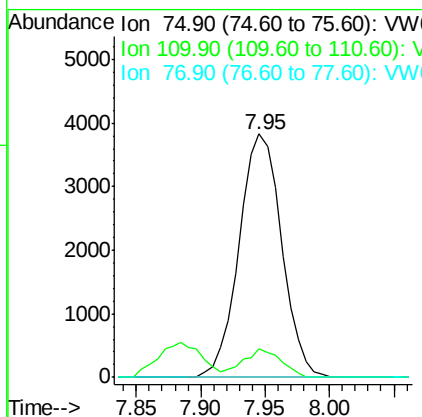
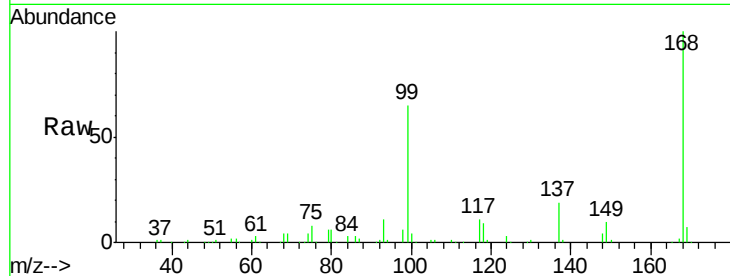




#36
 1,1-Dichloropropene
 Concen: 4.722 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010519.D
 Acq: 22 May 2019 19:13

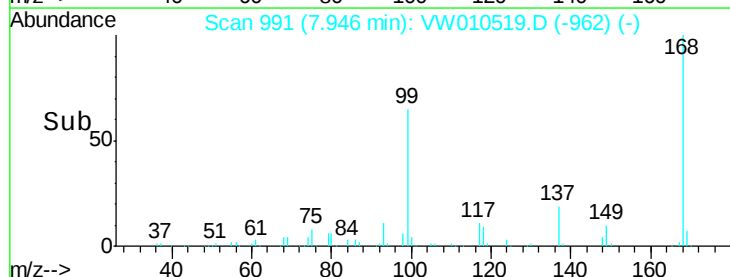
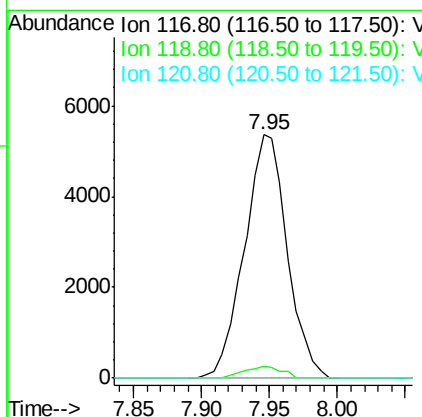
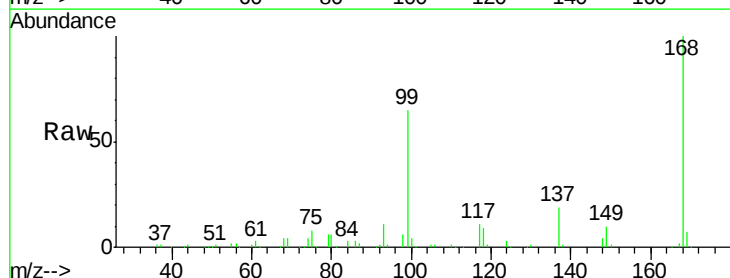
Instrument :
 MSVOA_W
 ClientSampleID :
 TP-8-D2

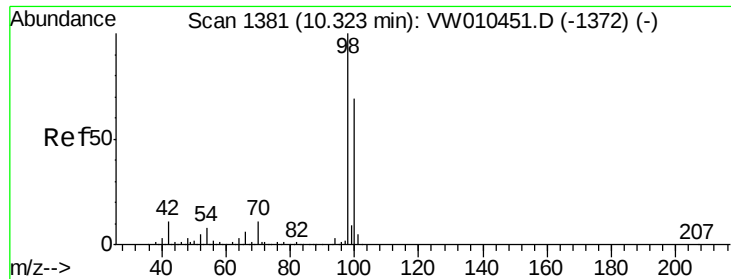
Tot Ion: 75 Resp: 8732
 Ion Ratio Lower Upper
 75 100
 110 10.5 19.2 57.6#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 5.905 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010519.D
 Acq: 22 May 2019 19:13

Tgt Ion: 117 Resp: 11778
 Ion Ratio Lower Upper
 117 100
 119 5.1 77.4 116.0#
 121 0.0 25.0 37.6#





#50

Toluene-d8

Concen: 51.473 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010519.D

Acq: 22 May 2019 19:13

Instrument :

MSVOA_W

ClientSampleId :

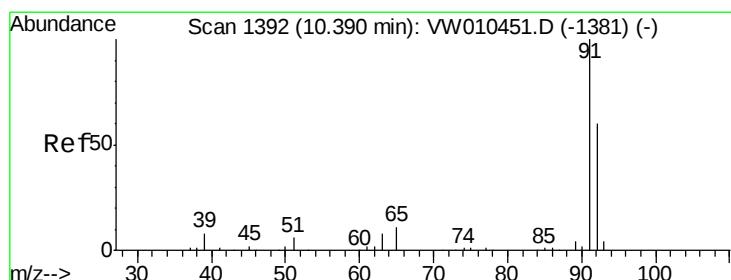
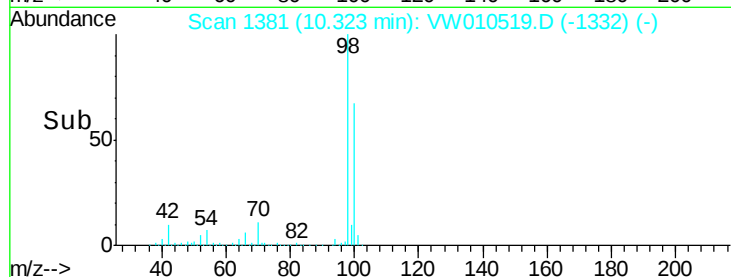
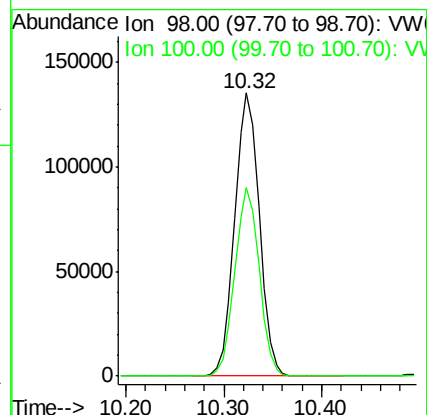
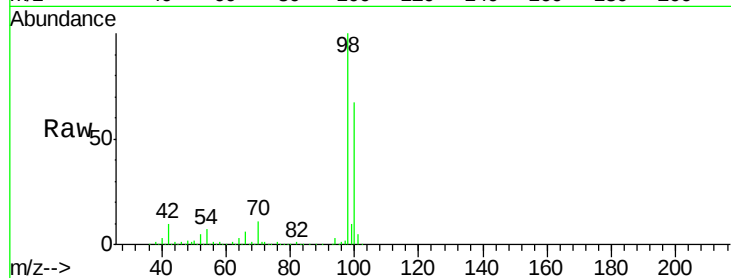
TP-8-D2

Tot Ion: 98 Resp: 236831

Ion Ratio Lower Upper

98 100

100 66.1 53.7 80.5



#52

Toluene

Concen: 1.370 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010519.D

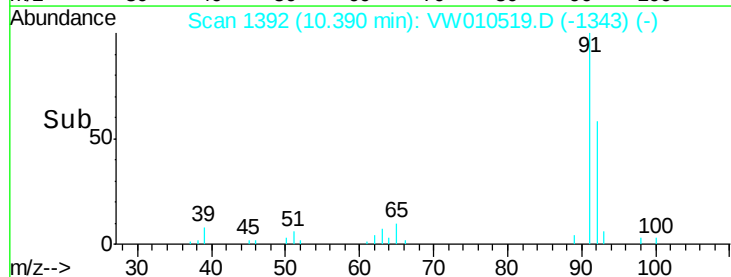
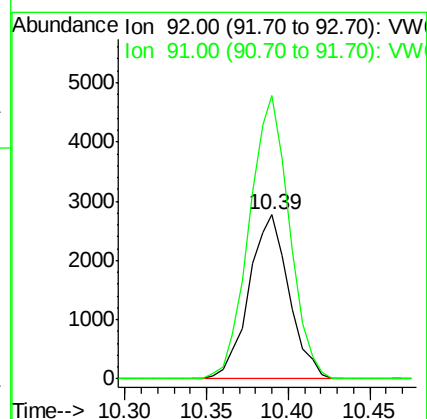
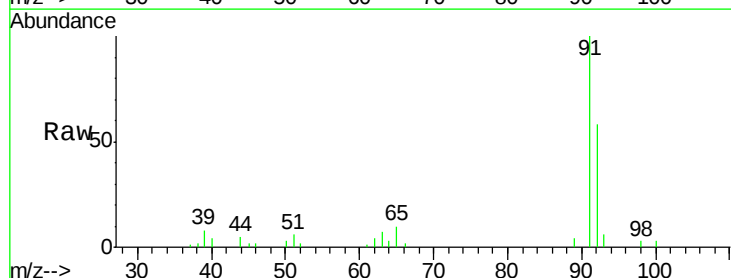
Acq: 22 May 2019 19:13

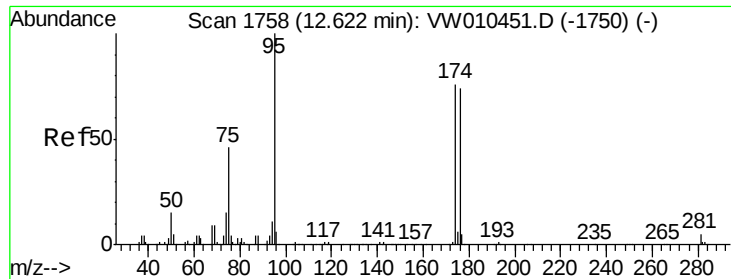
Tgt Ion: 92 Resp: 4727

Ion Ratio Lower Upper

92 100

91 172.4 135.4 203.0





#62

4-Bromofluorobenzene

Concen: 37.404 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010519.D

Acq: 22 May 2019 19:13

Instrument :

MSVOA_W

ClientSampleId :

TP-8-D2

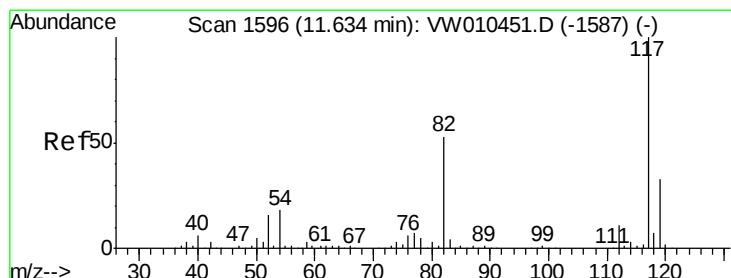
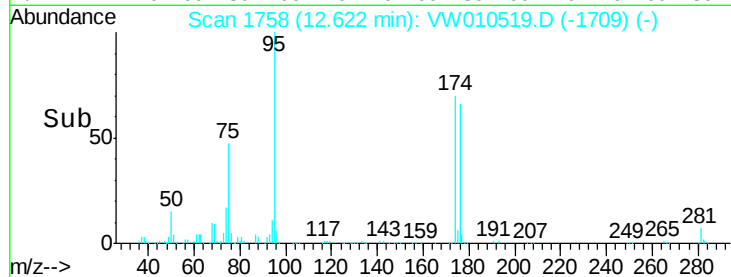
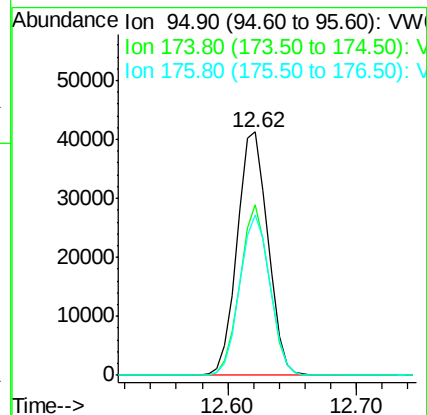
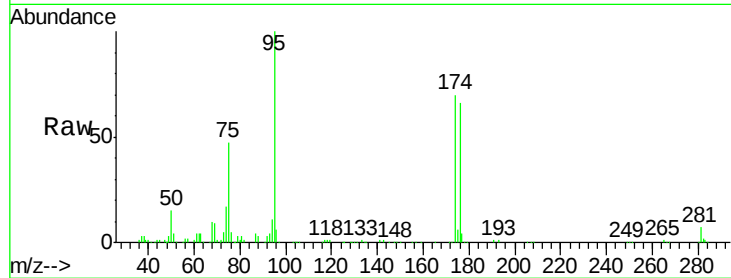
Tot Ion: 95 Resp: 68550

Ion Ratio Lower Upper

95 100

174 66.7 0.0 148.6

176 64.8 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: VW010519.D

Acq: 22 May 2019 19:13

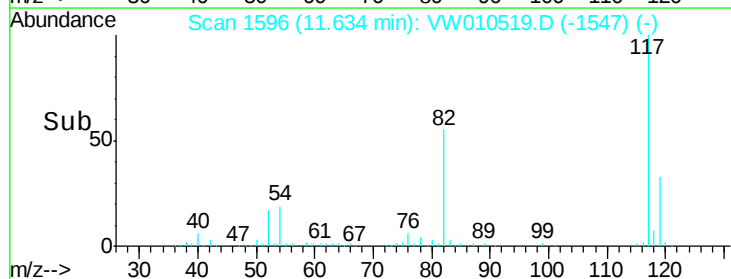
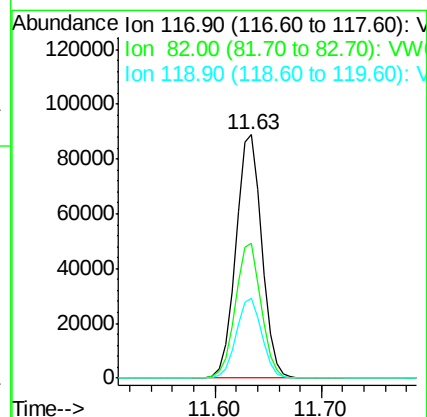
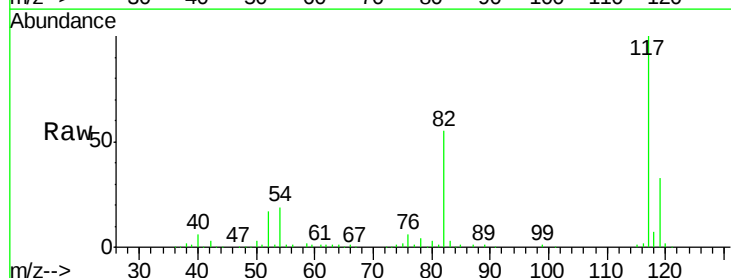
Tgt Ion: 117 Resp: 151732

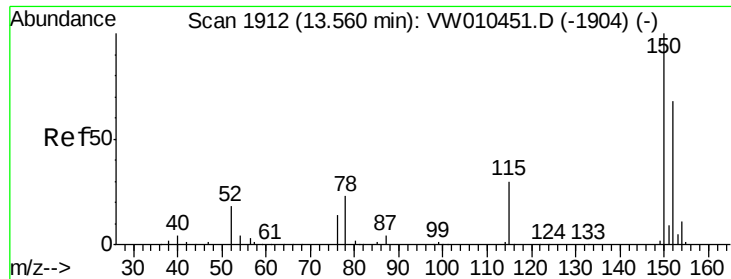
Ion Ratio Lower Upper

117 100

82 55.3 42.8 64.2

119 32.9 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010519.D

Acq: 22 May 2019 19:13

Instrument :

MSVOA_W

ClientSampleId :

TP-8-D2

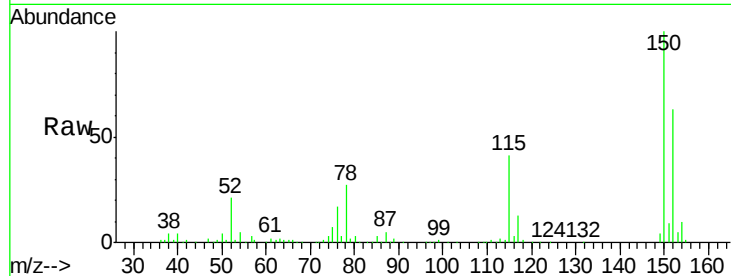
Tot Ion:152 Resp: 47977

Ion Ratio Lower Upper

152 100

115 63.3 30.3 91.0

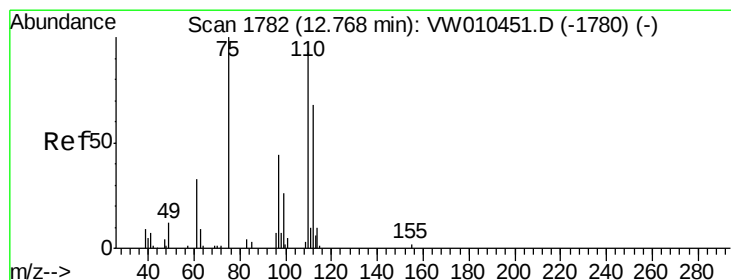
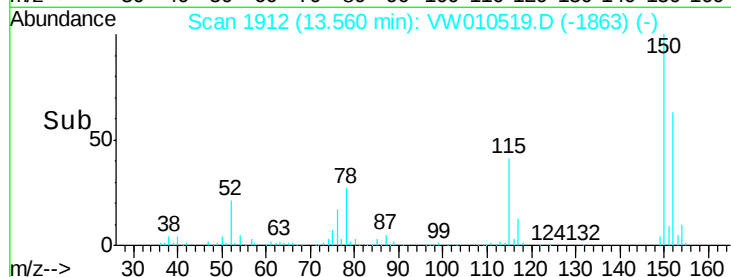
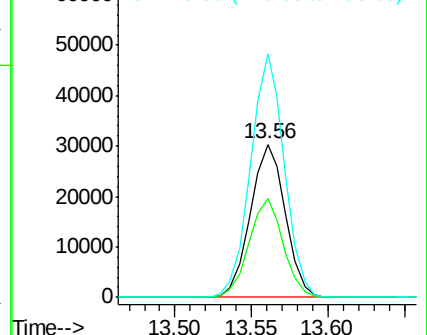
150 154.0 0.0 349.8



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: 66.955 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW010519.D

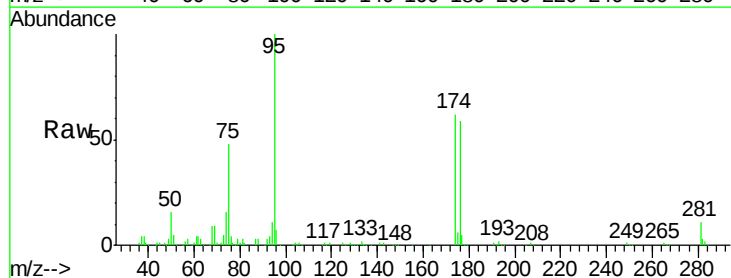
Acq: 22 May 2019 19:13

Tgt Ion: 75 Resp: 32607

Ion Ratio Lower Upper

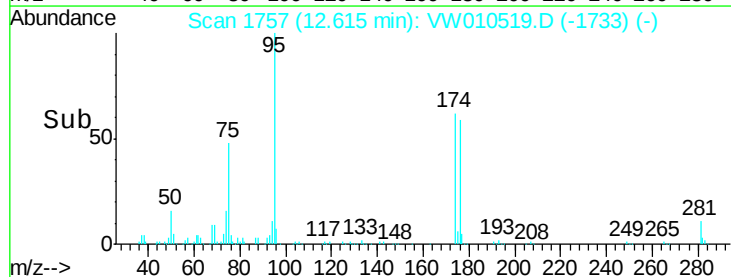
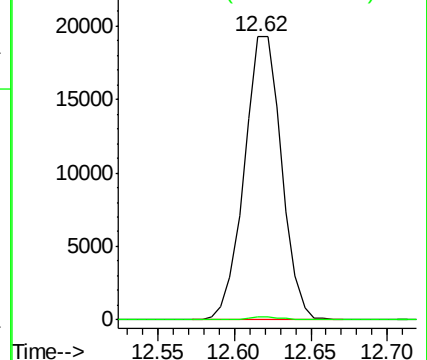
75 100

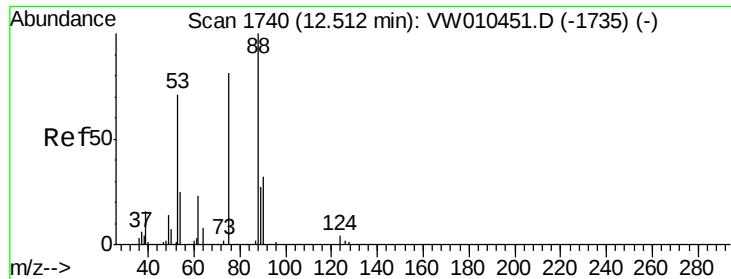
77 1.0 170.0 510.1#



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: 139.737 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW010519.D

Acq: 22 May 2019 19:13

Instrument :

MSVOA_W

ClientSampleId :

TP-8-D2

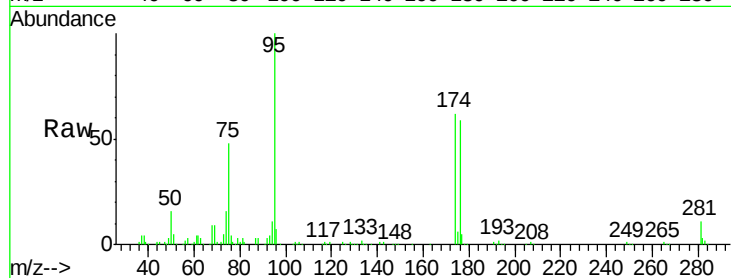
Tot Ion: 75 Resp: 32607

Ion Ratio Lower Upper

75 100

53 0.0 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

