

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062418\
 Data File : VW003521.D
 Acq On : 24 Jun 2018 19:49
 Operator : SY/AP
 Sample : J3669-23
 Misc : 6.50G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB479-27-29-180620

Quant Time: Jun 25 01:27:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	184666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	308169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	288266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	177018	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	116829	58.41	ug/l	0.00
Spiked Amount			Recovery	=	116.82%	
35) Dibromofluoromethane	7.88	113	101897	53.21	ug/l	0.00
Spiked Amount			Recovery	=	106.42%	
50) Toluene-d8	10.33	98	393445	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.62	95	167654	62.39	ug/l	0.00
Spiked Amount			Recovery	=	124.78%	

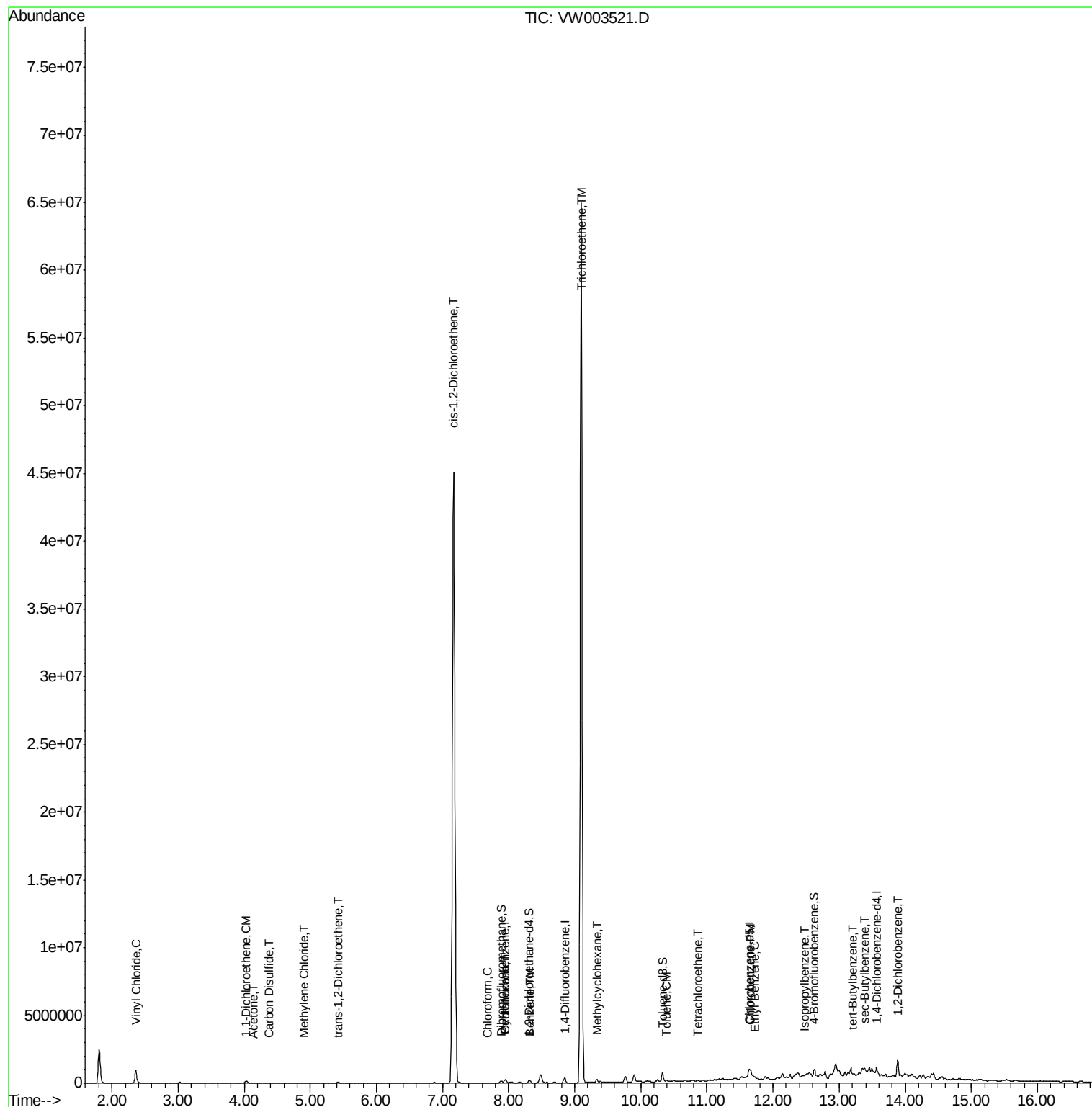
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	1150916	559.69	ug/l	98
12) 1,1-Dichloroethene	4.03	96	98854	59.13	ug/l	95
16) Acetone	4.14	43	14292	34.07	ug/l	96
17) Carbon Disulfide	4.37	76	85565	17.31	ug/l	97
20) Methylene Chloride	4.91	84	17636	6.72	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	31801	17.48	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	25226971	12622.40	ug/l #	15
30) Chloroform	7.68	83	13329	3.78	ug/l	99
31) Cyclohexane	7.95	56	27697	8.57	ug/l #	90
39) Methylcyclohexane	9.34	83	63348	18.40	ug/l	91
40) Benzene	8.32	78	81427	9.93	ug/l	99
44) Trichloroethene	9.09	130	20112995	9252.74	ug/l	99
52) Toluene	10.39	92	23845	4.53	ug/l	100
64) Tetrachloroethene	10.87	164	5746	2.98	ug/l	89
65) Chlorobenzene	11.66	112	238737	39.77	ug/l	100
67) Ethyl Benzene	11.74	91	17290	1.62	ug/l	92
73) Isopropylbenzene	12.48	105	27530	2.24	ug/l	80
83) tert-Butylbenzene	13.21	119	52044	5.91	ug/l	80
85) sec-Butylbenzene	13.39	105	70716	5.40	ug/l #	42
91) 1,2-Dichlorobenzene	13.88	146	168757	32.71	ug/l	91

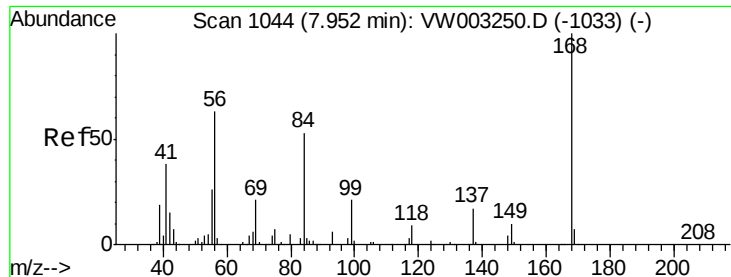
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003521.D

Acq: 24 Jun 2018 19:49

Instrument :

MSVOA_W

ClientSampleId :

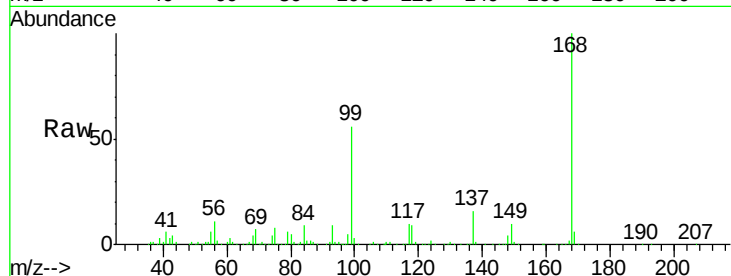
WP021SB479-27-29-180620

Tot Ion:168 Resp: 184666

Ion Ratio Lower Upper

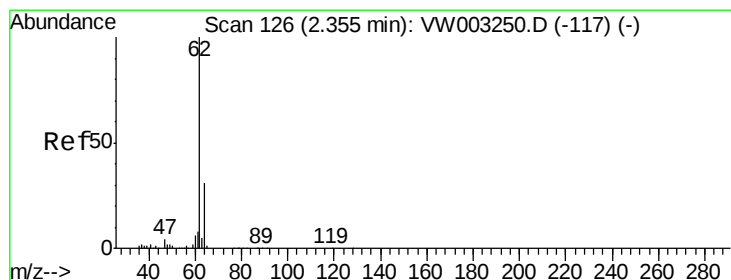
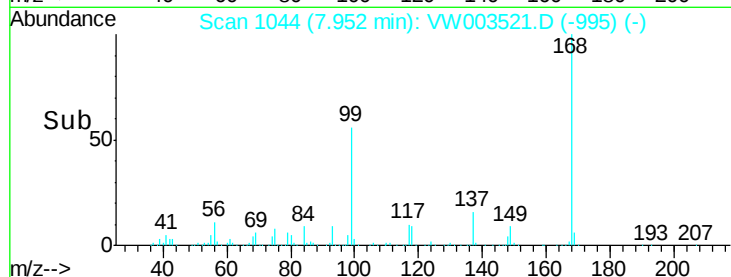
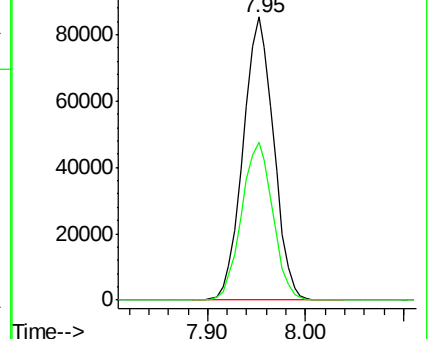
168 100

99 55.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#4

Vinyl Chloride

Concen: 559.69 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003521.D

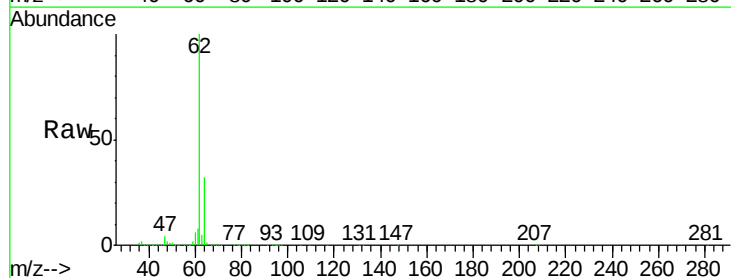
Acq: 24 Jun 2018 19:49

Tgt Ion: 62 Resp: 1150916

Ion Ratio Lower Upper

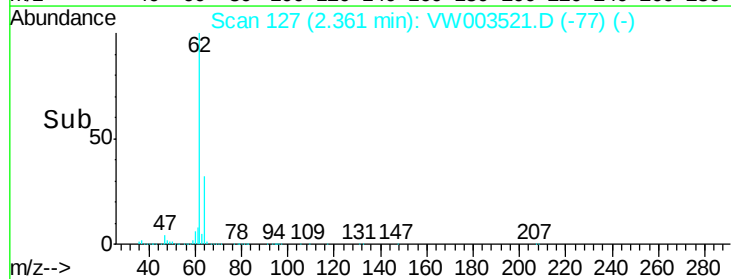
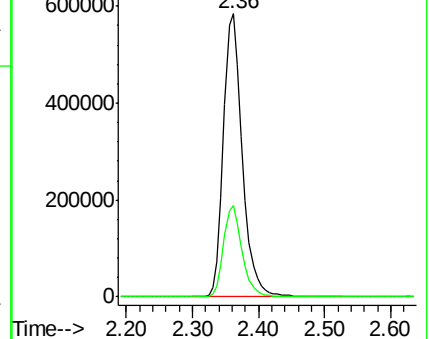
62 100

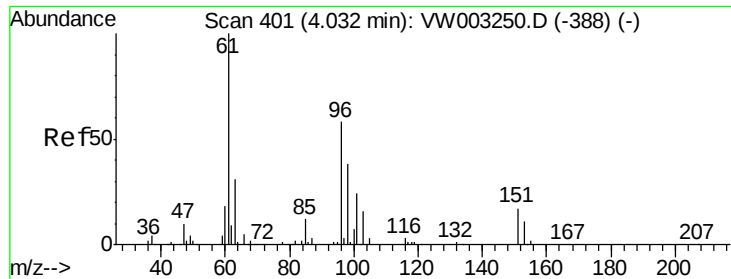
64 32.4 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

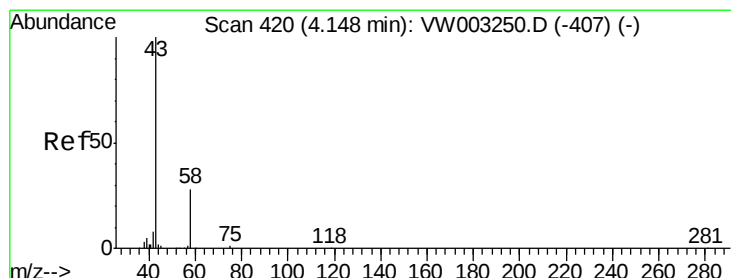
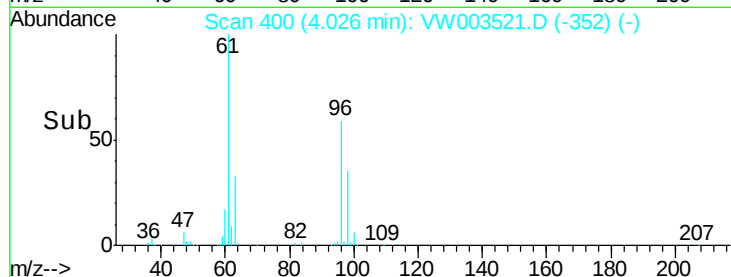
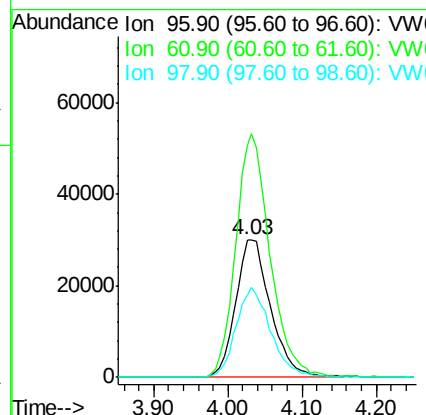
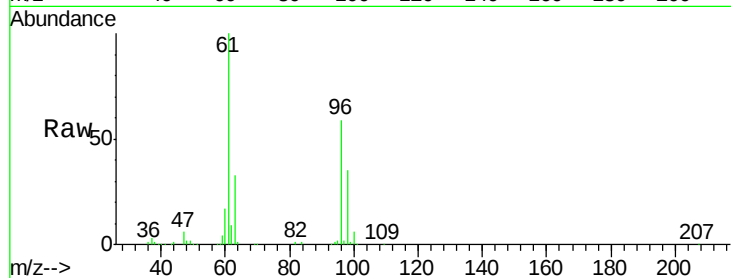




#12
 1,1-Dichloroethene
 Concen: 59.13 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: VW003521.D
 Acq: 24 Jun 2018 19:49

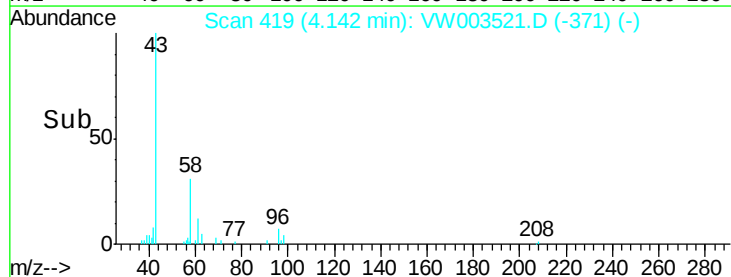
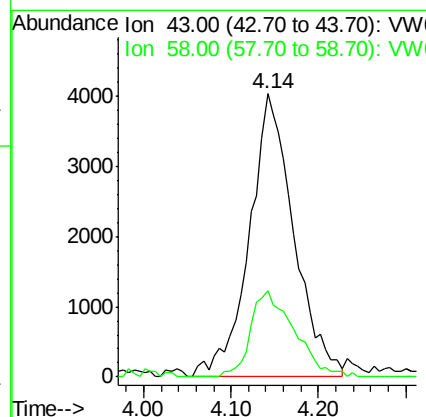
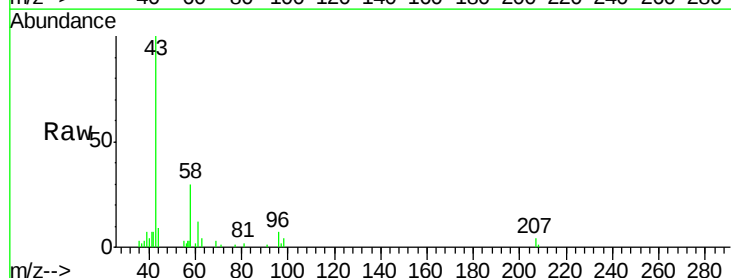
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB479-27-29-180620

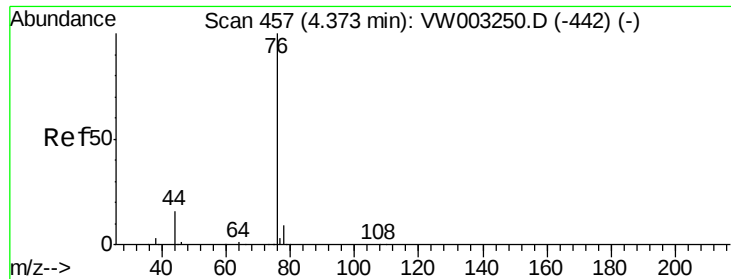
Tot Ion	96	Resp	98854
Ion	Ratio	Lower	Upper
96	100		
61	169.0	139.0	208.4
98	59.5	53.3	79.9



#16
 Acetone
 Concen: 34.07 ug/l
 RT: 4.14 min Scan# 419
 Delta R.T. -0.01 min
 Lab File: VW003521.D
 Acq: 24 Jun 2018 19:49

Tgt Ion	43	Resp	14292
Ion	Ratio	Lower	Upper
43	100		
58	30.5	22.6	34.0

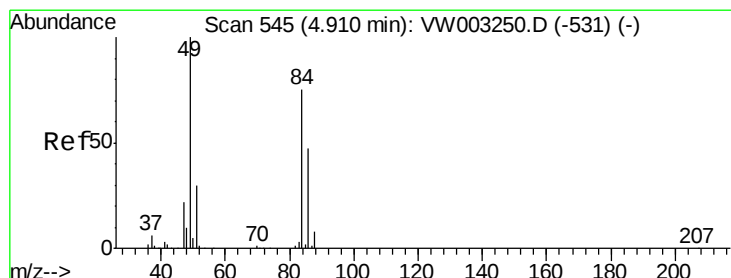
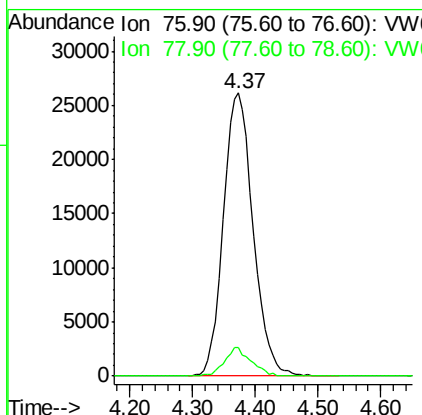
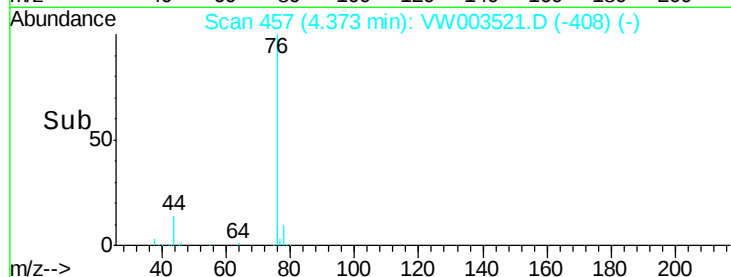
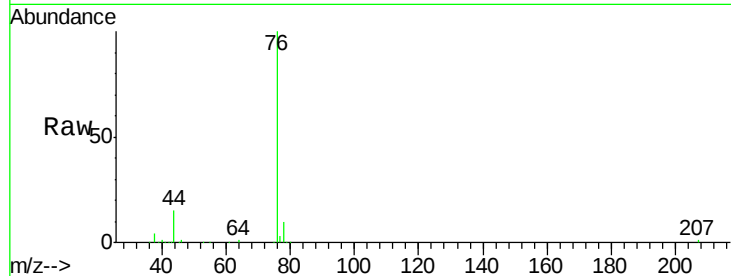




#17
Carbon Disulfide
Concen: 17.31 ug/l
RT: 4.37 min Scan# 457
Delta R.T. 0.00 min
Lab File: VW003521.D
Acq: 24 Jun 2018 19:49

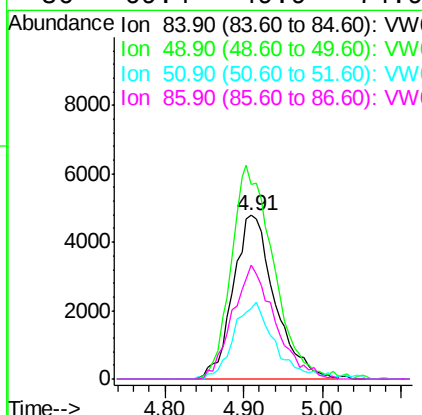
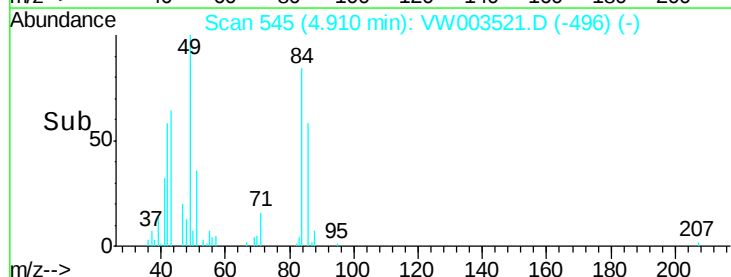
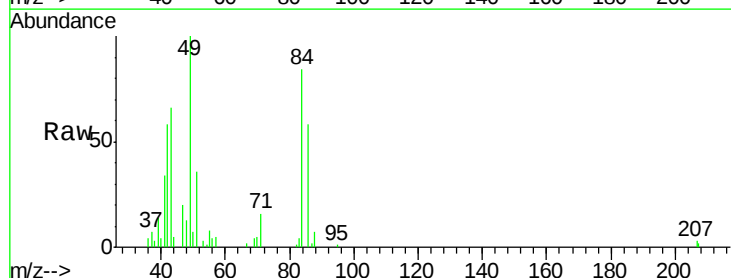
Instrument :
MSVOA_W
ClientSampleId :
WP021SB479-27-29-180620

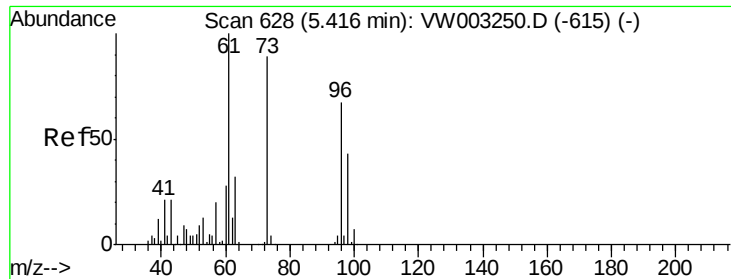
Tot Ion: 76 Resp: 85565
Ion Ratio Lower Upper
76 100
78 10.1 7.1 10.7



#20
Methylene Chloride
Concen: 6.72 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003521.D
Acq: 24 Jun 2018 19:49

Tgt Ion: 84 Resp: 17636
Ion Ratio Lower Upper
84 100
49 118.8 106.3 159.5
51 42.8 32.0 48.0
86 69.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 17.48 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003521.D

Acq: 24 Jun 2018 19:49

Instrument :

MSVOA_W

ClientSampleId :

WP021SB479-27-29-180620

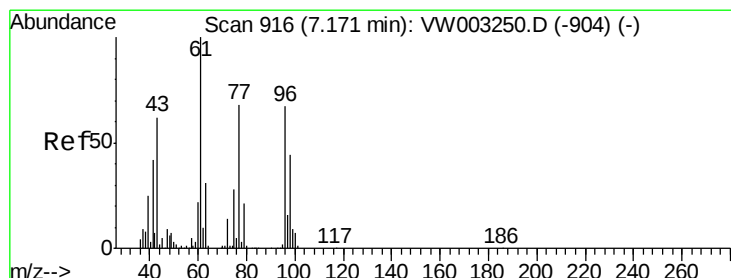
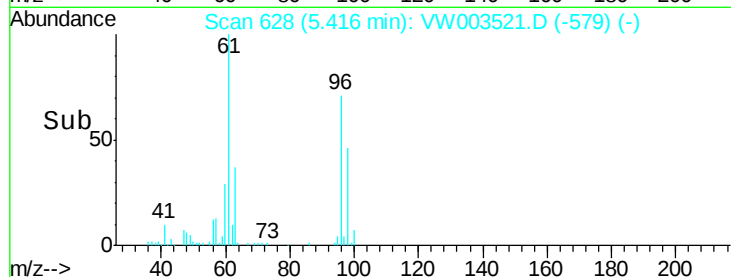
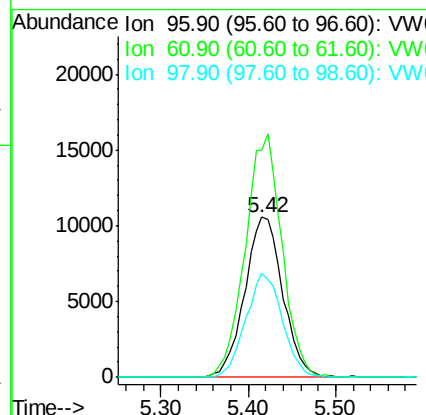
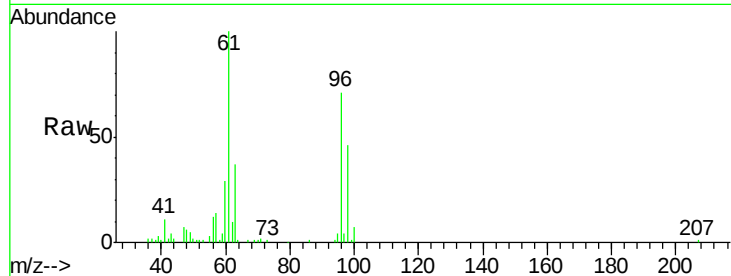
Tot Ion: 96 Resp: 31801

Ion Ratio Lower Upper

96 100

61 141.7 118.7 178.1

98 64.9 51.0 76.6



#27

cis-1,2-Dichloroethene

Concen: 12622.40 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW003521.D

Acq: 24 Jun 2018 19:49

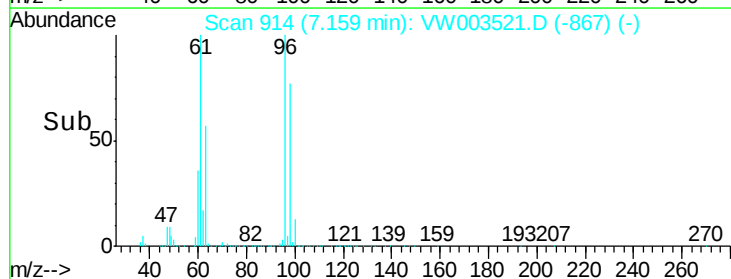
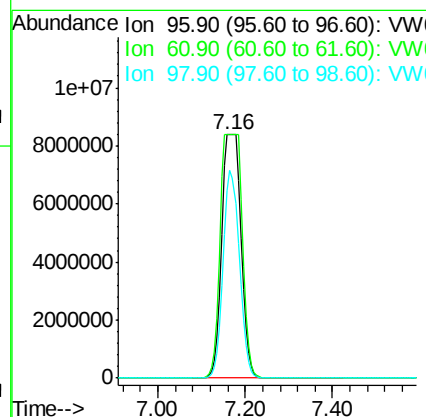
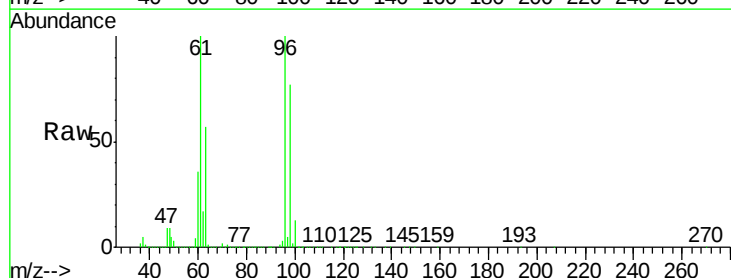
Tgt Ion: 96 Resp: 25226971

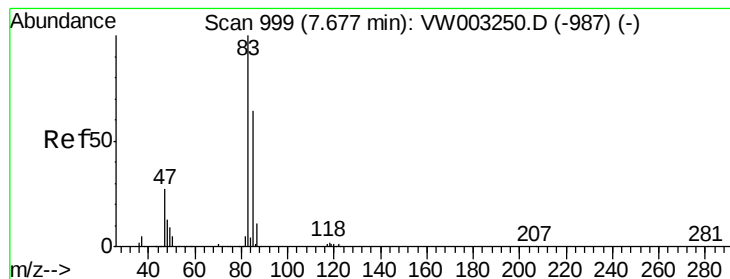
Ion Ratio Lower Upper

96 100

61 0.0 0.0 298.8

98 72.4 0.0 130.4





#30

Chloroform

Concen: 3.78 ug/l

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW003521.D

Acq: 24 Jun 2018 19:49

Instrument :

MSVOA_W

ClientSampleId :

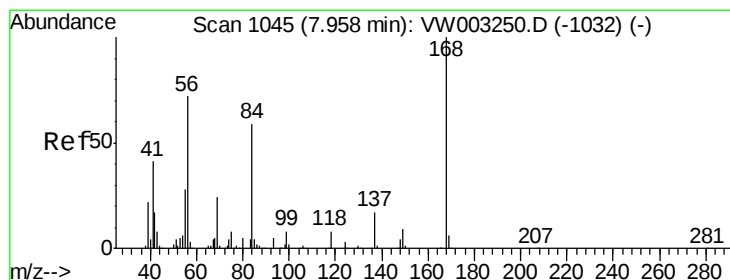
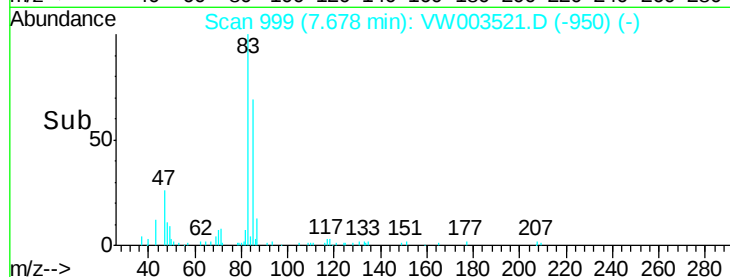
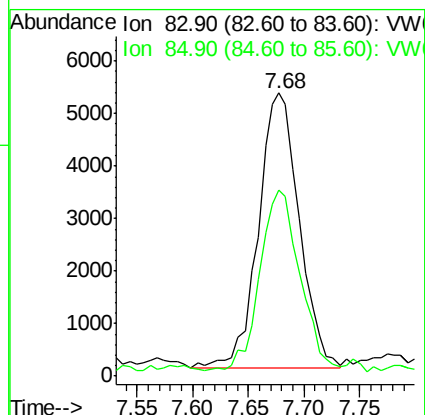
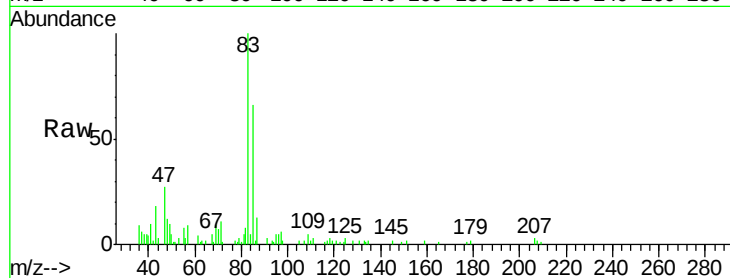
WP021SB479-27-29-180620

Tot Ion: 83 Resp: 13329

Ion Ratio Lower Upper

83 100

85 64.8 51.3 76.9



#31

Cyclohexane

Concen: 8.57 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003521.D

Acq: 24 Jun 2018 19:49

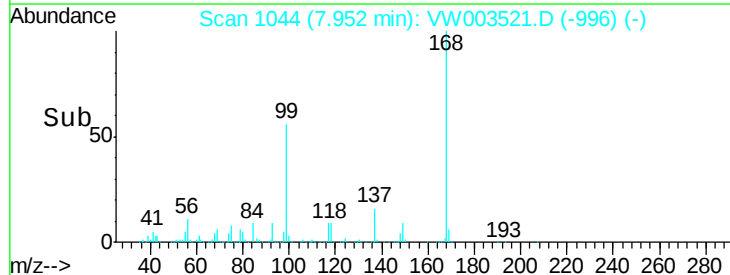
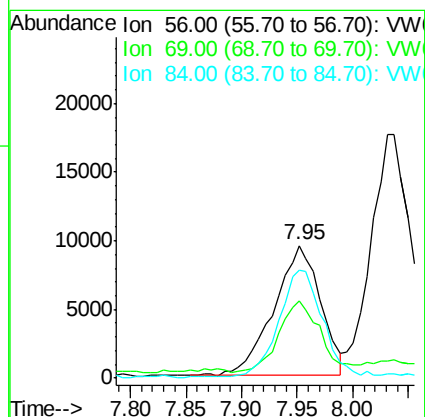
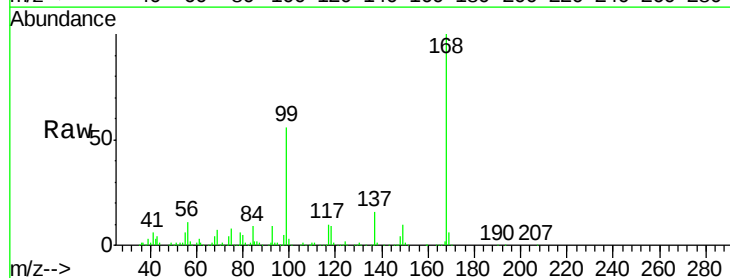
Tgt Ion: 56 Resp: 27697

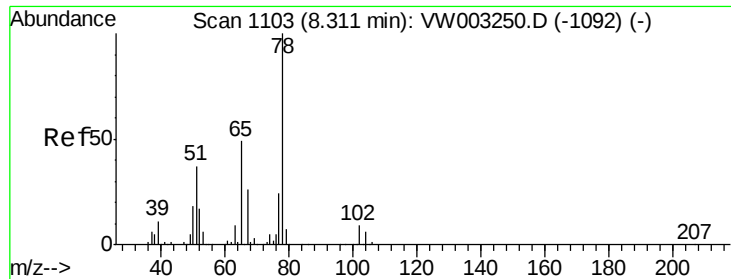
Ion Ratio Lower Upper

56 100

69 53.0 26.3 39.5#

84 81.9 65.7 98.5





#33

1,2-Dichloroethane-d4

Concen: 58.41 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003521.D

Acq: 24 Jun 2018 19:49

Instrument :

MSVOA_W

ClientSampleId :

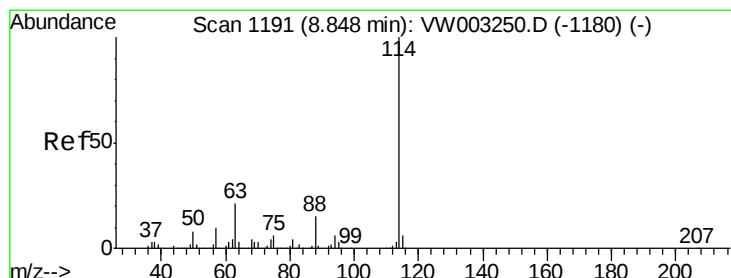
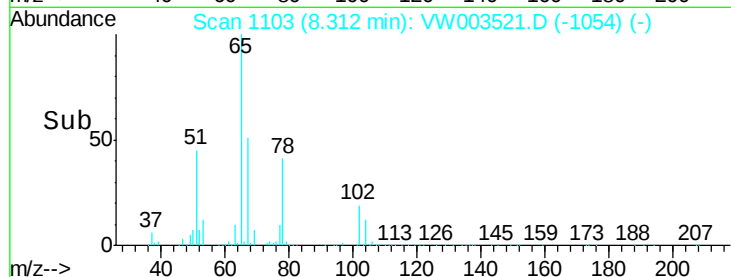
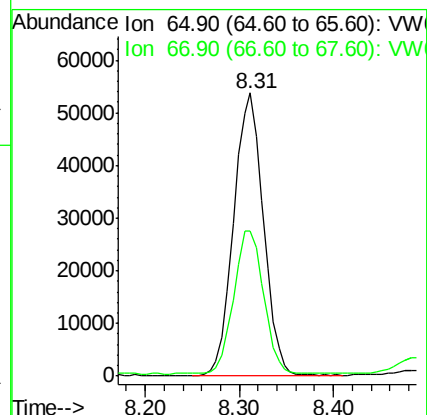
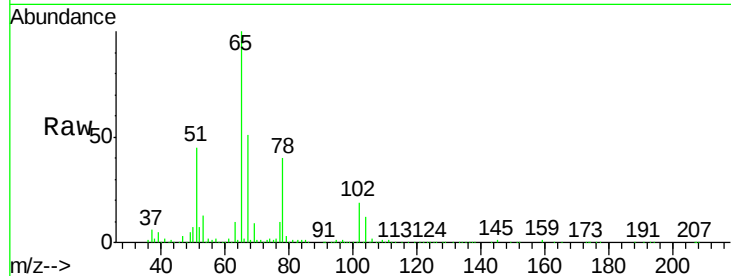
WP021SB479-27-29-180620

Tot Ion: 65 Resp: 116829

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003521.D

Acq: 24 Jun 2018 19:49

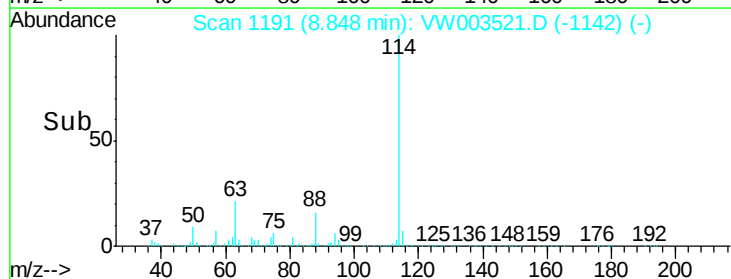
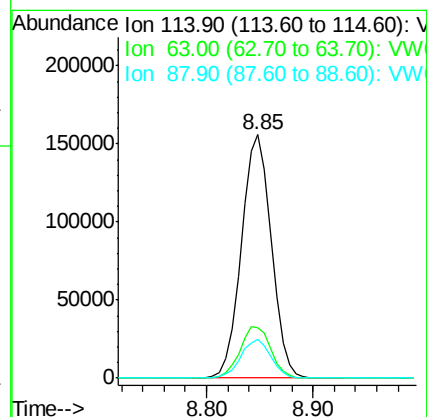
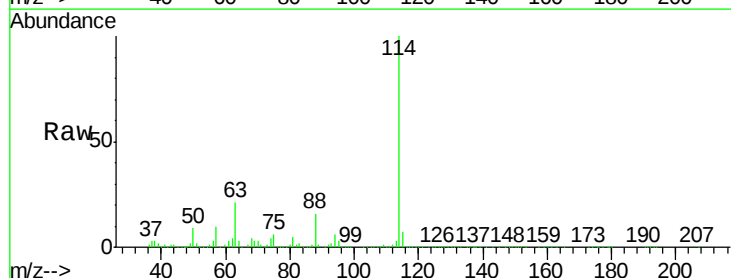
Tgt Ion: 114 Resp: 308169

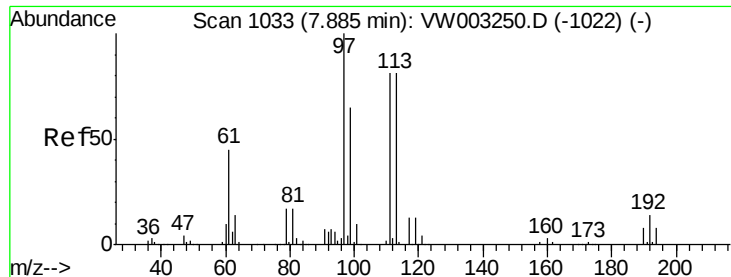
Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.0

88 16.0 0.0 29.6

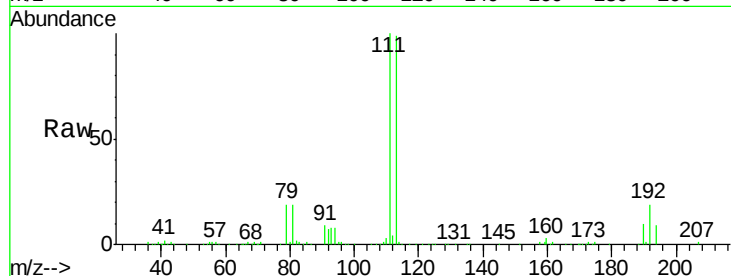




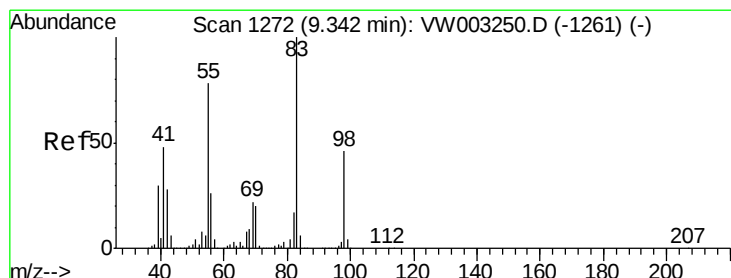
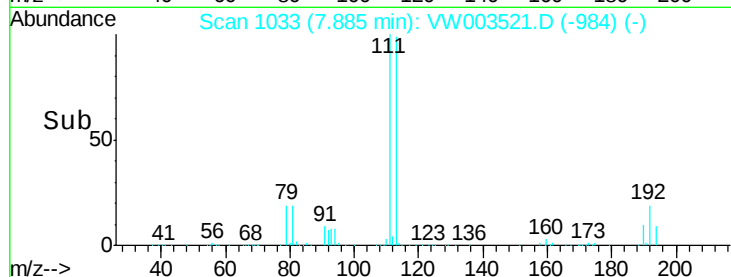
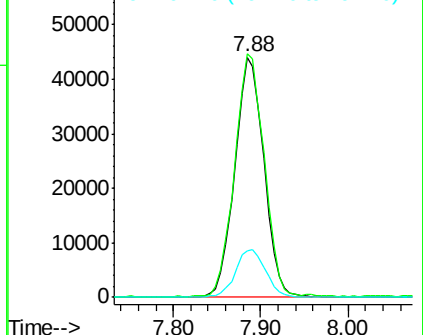
#35
Dibromofluoromethane
Concen: 53.21 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW003521.D
Acq: 24 Jun 2018 19:49

Instrument :
MSVOA_W
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WP021SB479-27-29-180620

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.2
192	20.4	16.2	24.2

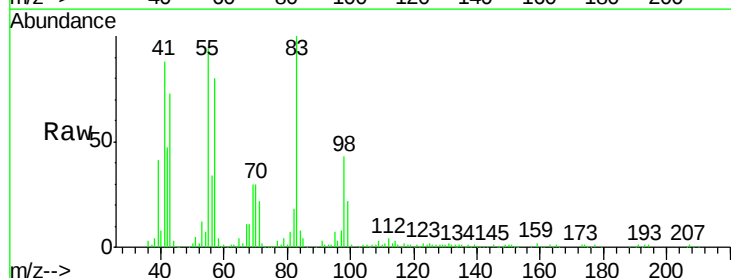


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

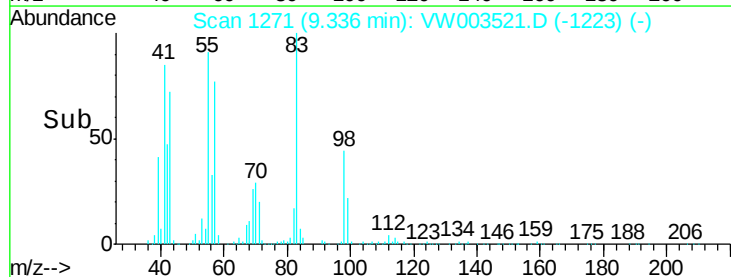
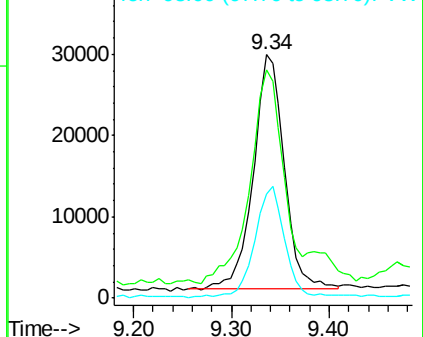


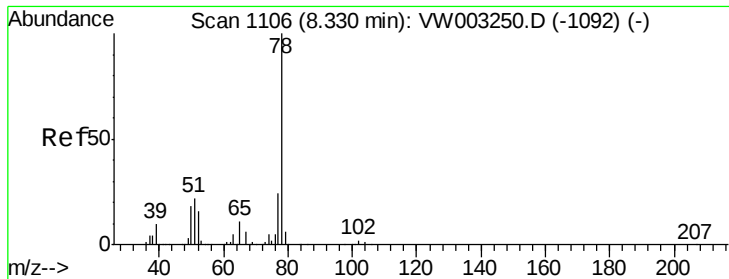
#39
Methylcyclohexane
Concen: 18.40 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003521.D
Acq: 24 Jun 2018 19:49

Tgt Ion	Ratio	Lower	Upper
83	100		
55	89.6	62.6	93.8
98	44.3	37.0	55.4



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 9.93 ug/l

RT: 8.32 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VW003521.D

Acq: 24 Jun 2018 19:49

Instrument :

MSVOA_W

ClientSampleId :

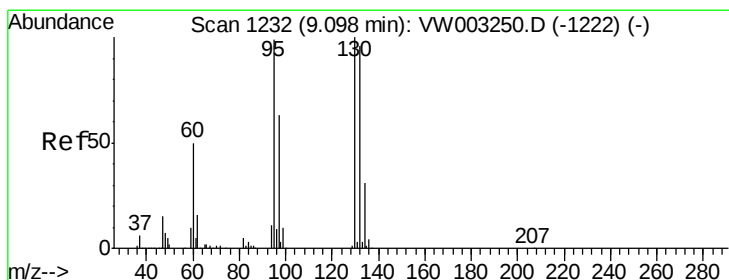
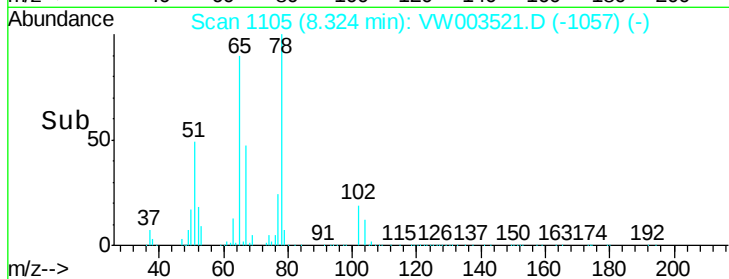
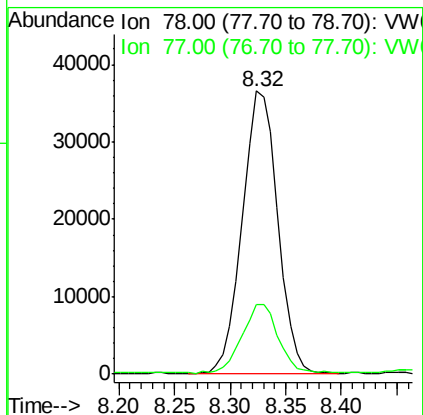
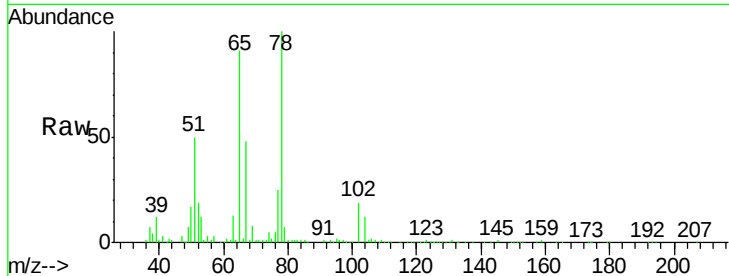
WP021SB479-27-29-180620

Tot Ion: 78 Resp: 81427

Ion Ratio Lower Upper

78 100

77 24.1 19.0 28.6



#44

Trichloroethene

Concen: 9252.74 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VW003521.D

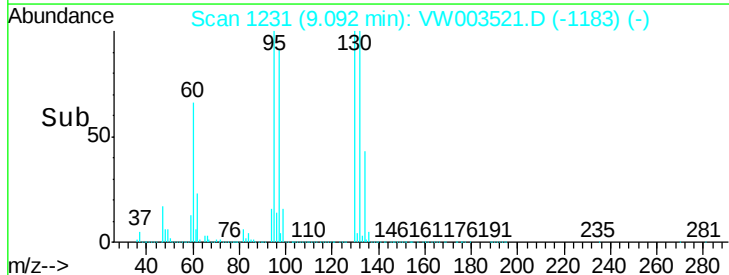
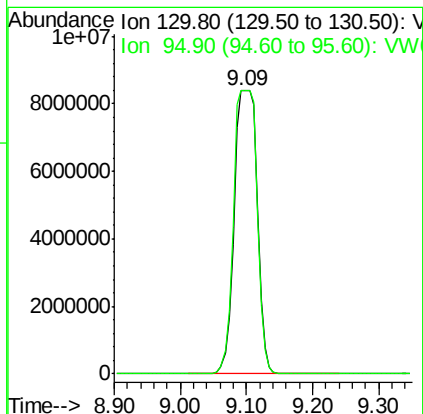
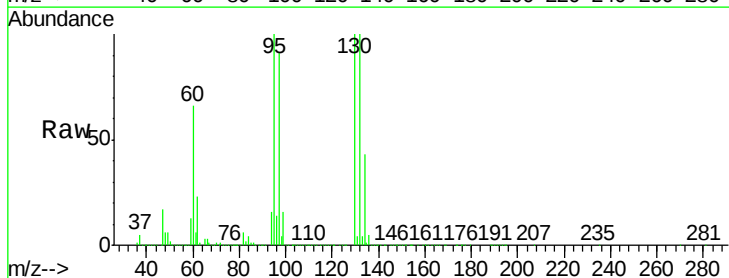
Acq: 24 Jun 2018 19:49

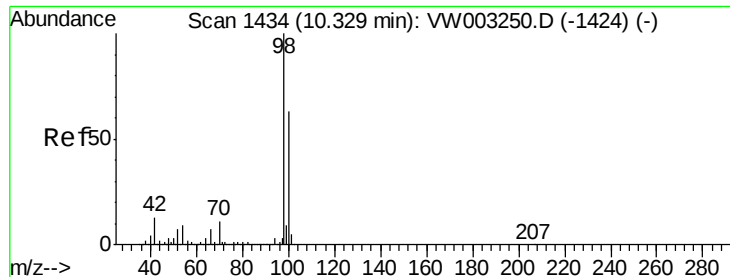
Tgt Ion:130 Resp:20112995

Ion Ratio Lower Upper

130 100

95 100.0 0.0 198.0





#50

Toluene-d8

Concen: 51.82 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003521.D

Acq: 24 Jun 2018 19:49

Instrument :

MSVOA_W

ClientSampleId :

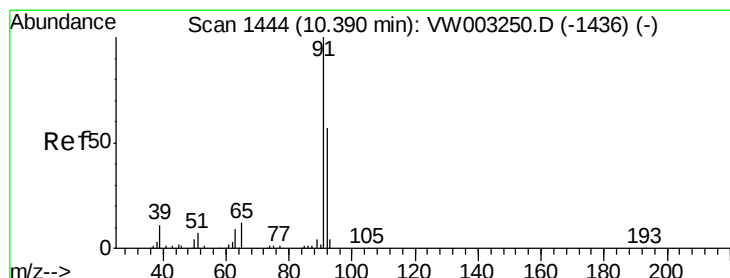
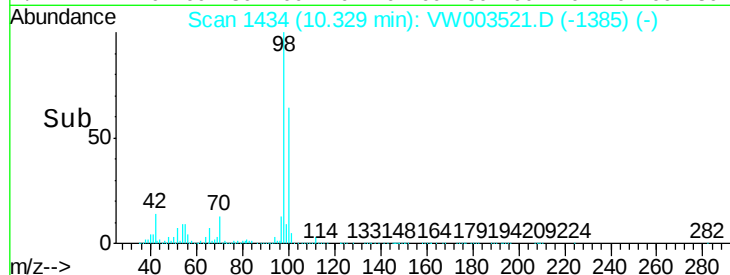
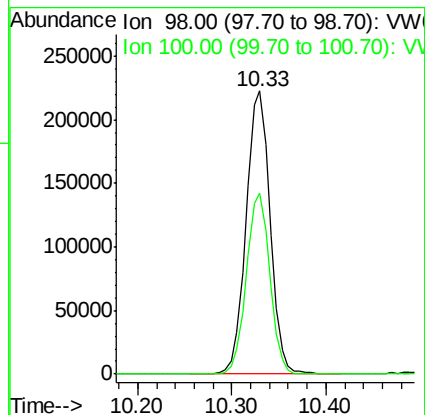
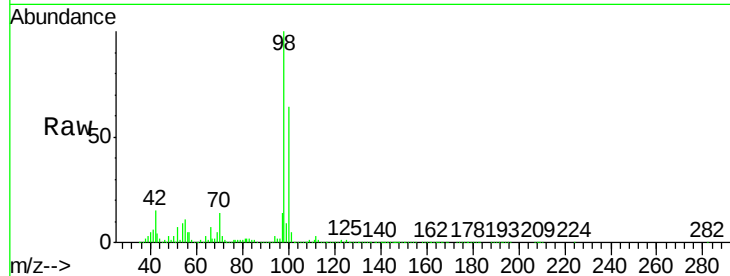
WP021SB479-27-29-180620

Tot Ion: 98 Resp: 393445

Ion Ratio Lower Upper

98 100

100 62.7 50.8 76.2



#52

Toluene

Concen: 4.53 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003521.D

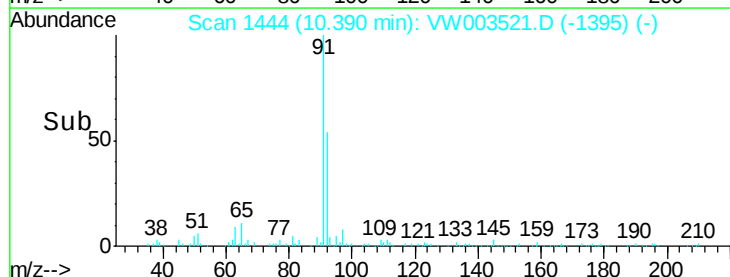
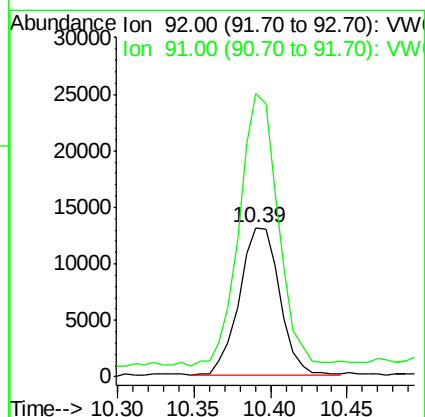
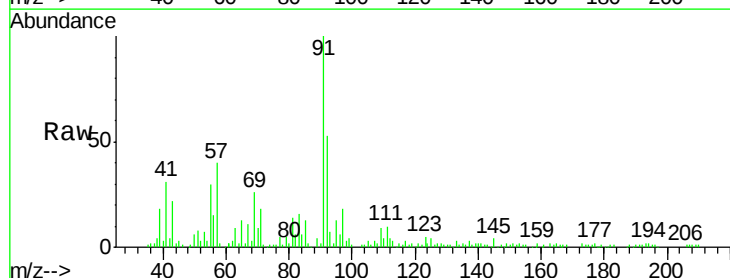
Acq: 24 Jun 2018 19:49

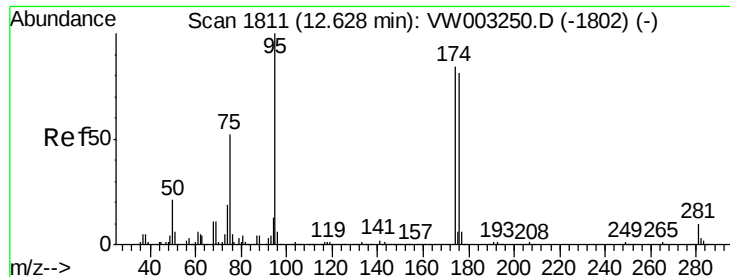
Tgt Ion: 92 Resp: 23845

Ion Ratio Lower Upper

92 100

91 176.0 141.1 211.7

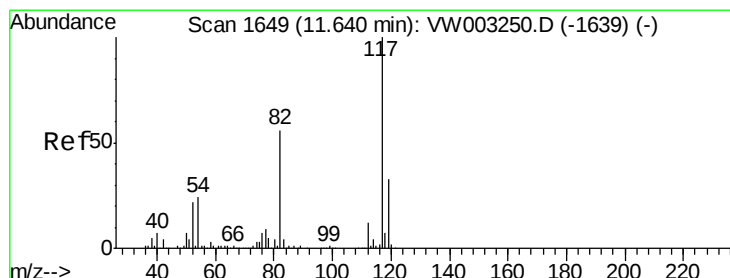
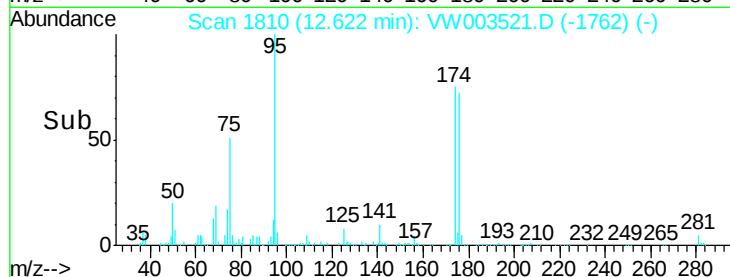
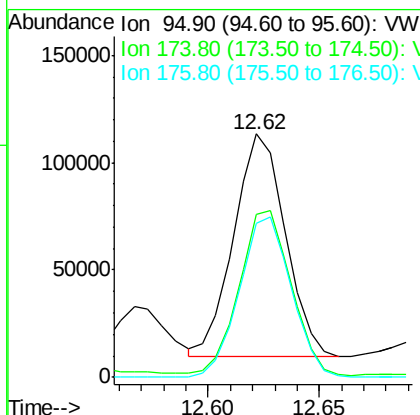
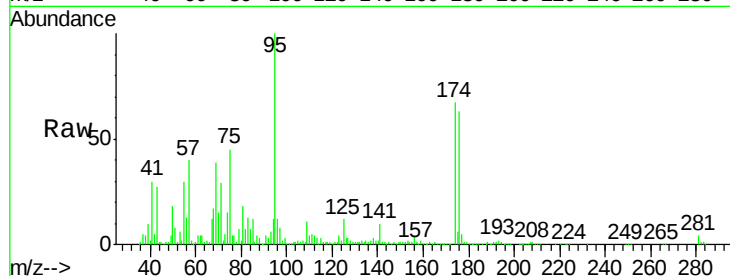




#62
4-Bromofluorobenzene
Concen: 62.39 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VW003521.D
Acq: 24 Jun 2018 19:49

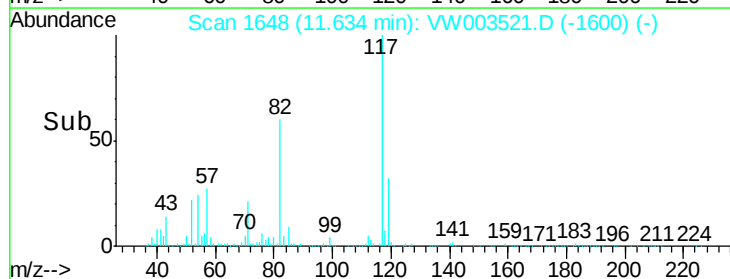
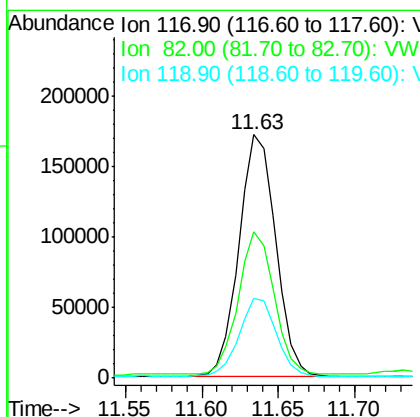
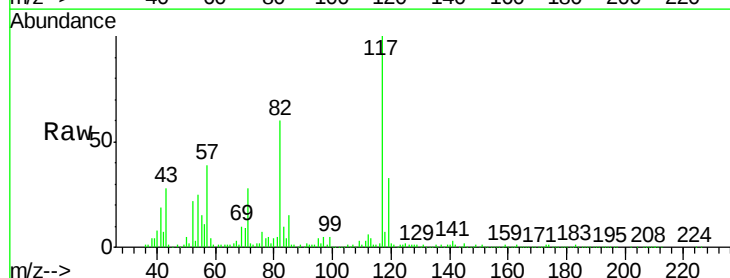
Instrument :
MSVOA_W
ClientSampleId :
WP021SB479-27-29-180620

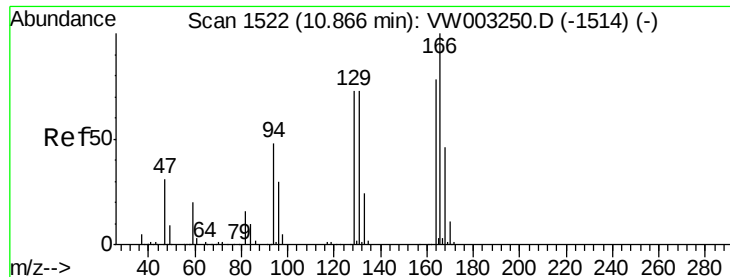
Tot Ion: 95 Resp: 167654
Ion Ratio Lower Upper
95 100
174 74.9 0.0 166.4
176 72.1 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003521.D
Acq: 24 Jun 2018 19:49

Tgt Ion: 117 Resp: 288266
Ion Ratio Lower Upper
117 100
82 58.9 44.6 67.0
119 32.2 26.7 40.1





#64

Tetrachloroethene

Concen: 2.98 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW003521.D

Acq: 24 Jun 2018 19:49

Instrument :

MSVOA_W

ClientSampleId :

WP021SB479-27-29-180620

Tot Ion:164 Resp: 5746

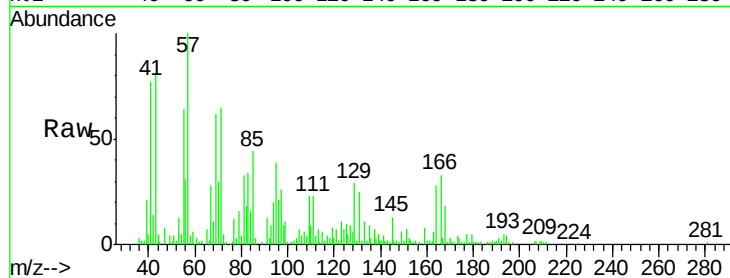
Ion Ratio Lower Upper

164 100

166 114.8 102.6 154.0

129 90.5 75.2 112.8

131 78.4 75.0 112.4

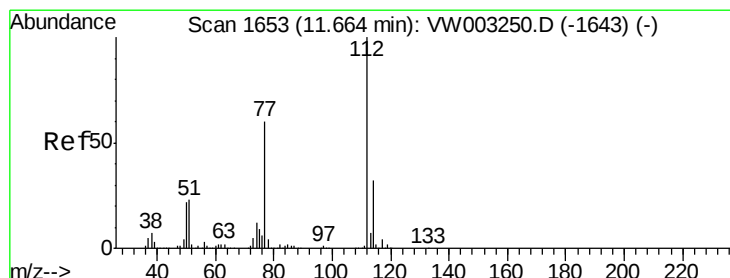
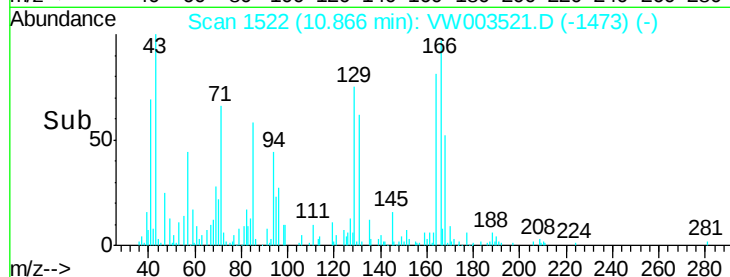
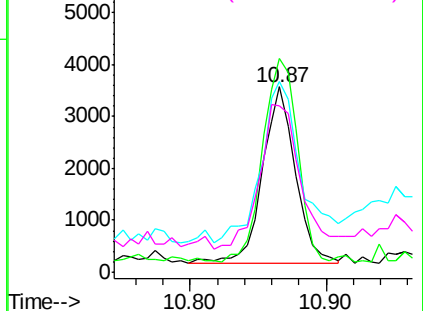


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 39.77 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003521.D

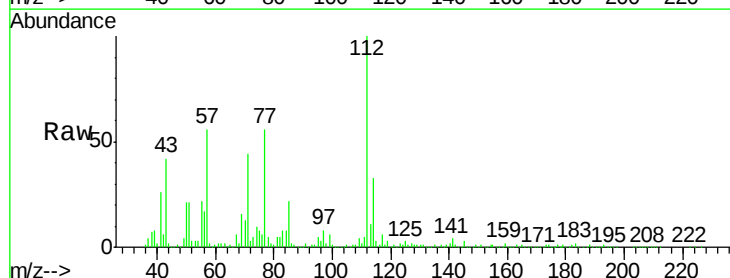
Acq: 24 Jun 2018 19:49

Tgt Ion:112 Resp: 238737

Ion Ratio Lower Upper

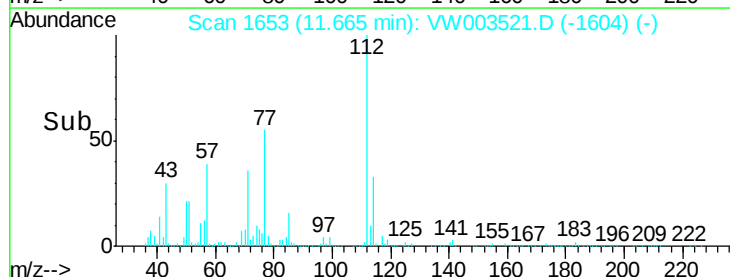
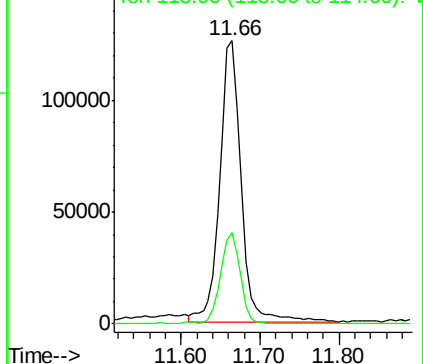
112 100

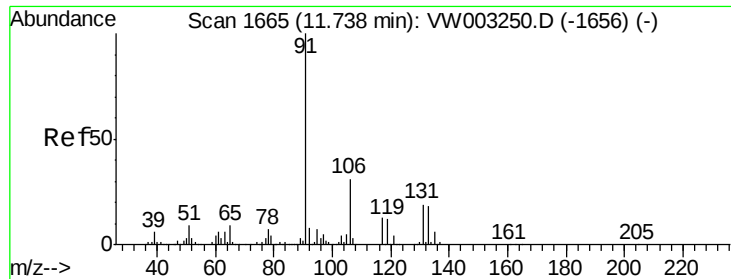
114 32.6 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 1.62 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003521.D

Acq: 24 Jun 2018 19:49

Instrument :

MSVOA_W

ClientSampleId :

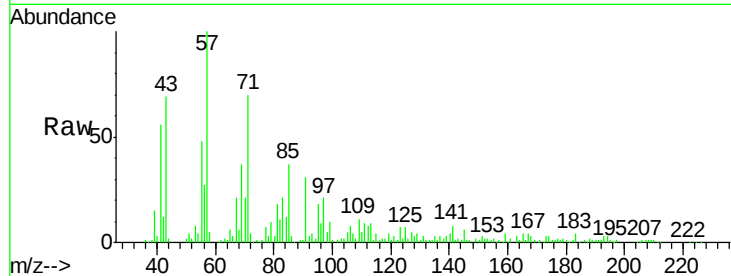
WP021SB479-27-29-180620

Tot Ion: 91 Resp: 17290

Ion Ratio Lower Upper

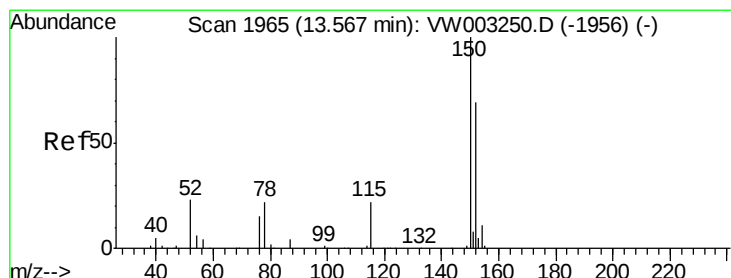
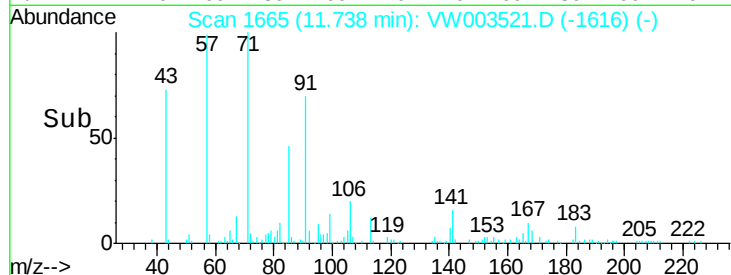
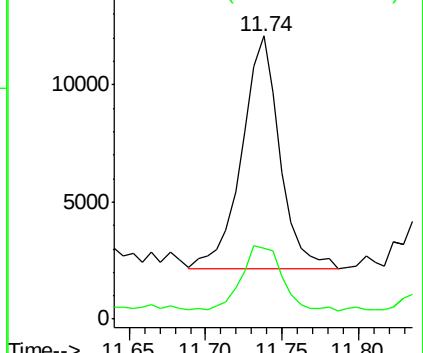
91 100

106 26.6 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003521.D

Acq: 24 Jun 2018 19:49

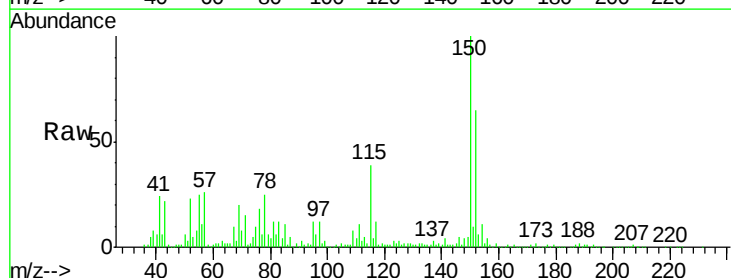
Tgt Ion:152 Resp: 177018

Ion Ratio Lower Upper

152 100

115 50.9 29.3 88.0

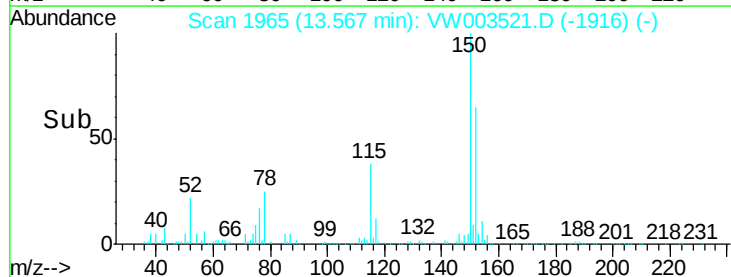
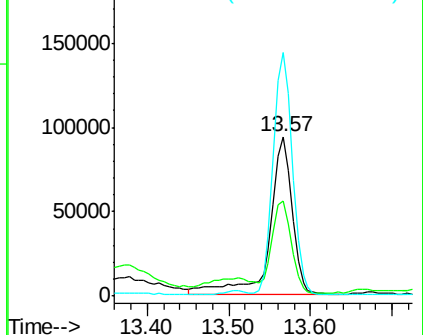
150 131.6 0.0 349.6

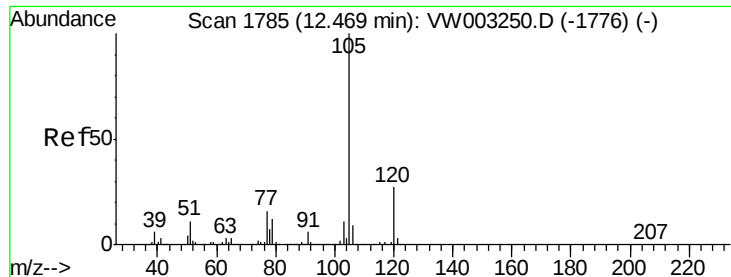


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.24 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VW003521.D

Acq: 24 Jun 2018 19:49

Instrument :

MSVOA_W

ClientSampleId :

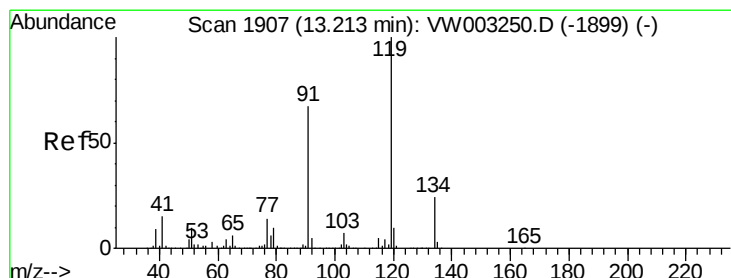
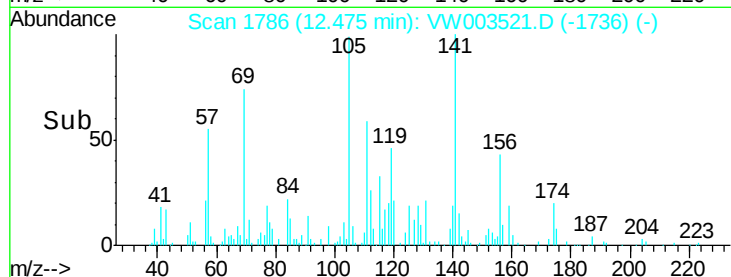
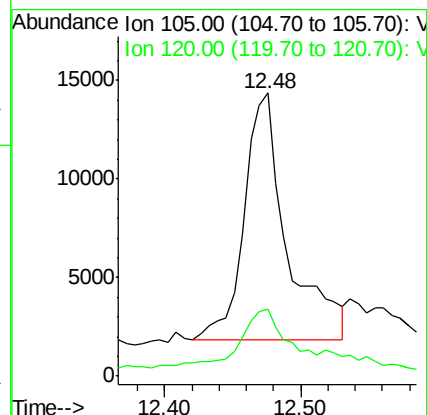
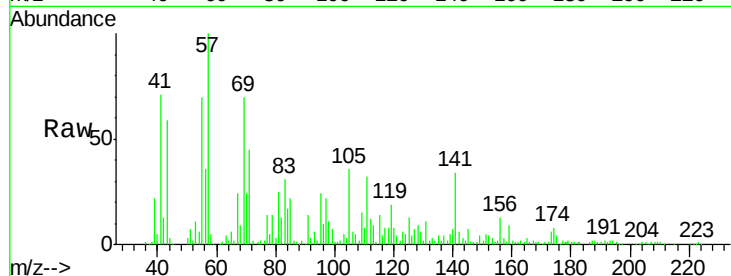
WP021SB479-27-29-180620

Tot Ion:105 Resp: 27530

Ion Ratio Lower Upper

105 100

120 36.6 13.2 39.6



#83

tert-Butylbenzene

Concen: 5.91 ug/l

RT: 13.21 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VW003521.D

Acq: 24 Jun 2018 19:49

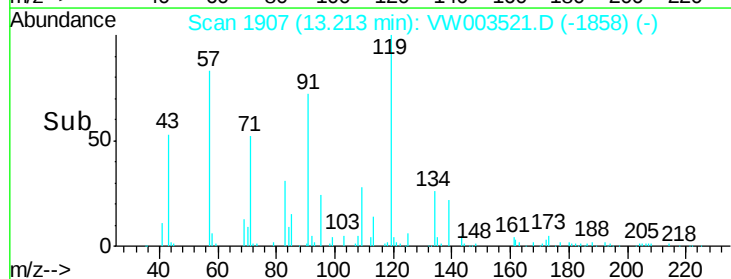
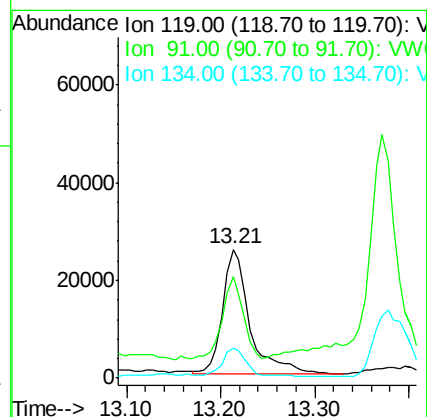
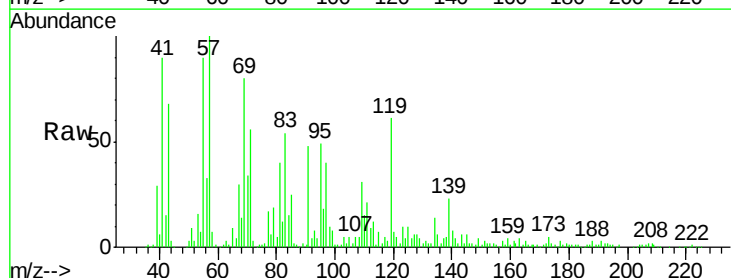
Tgt Ion:119 Resp: 52044

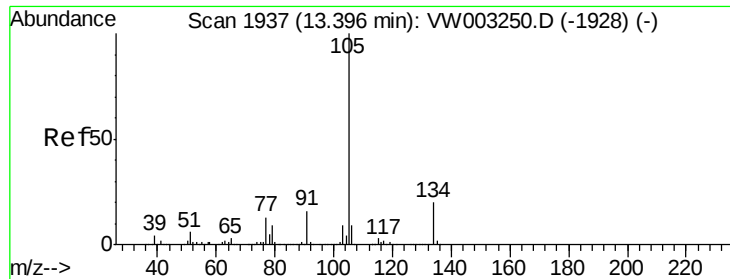
Ion Ratio Lower Upper

119 100

91 49.2 33.9 101.7

134 20.5 13.4 40.1

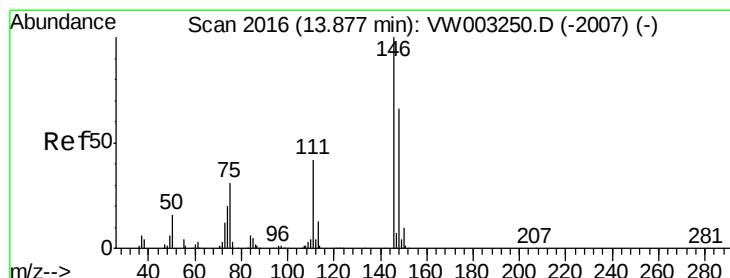
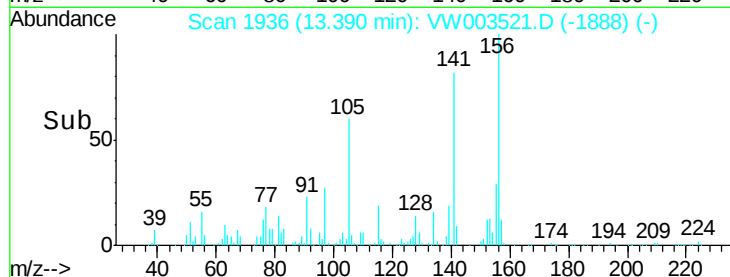
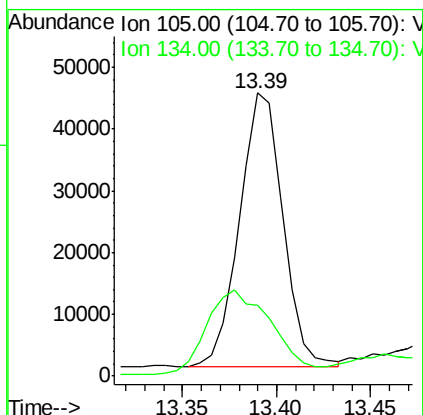
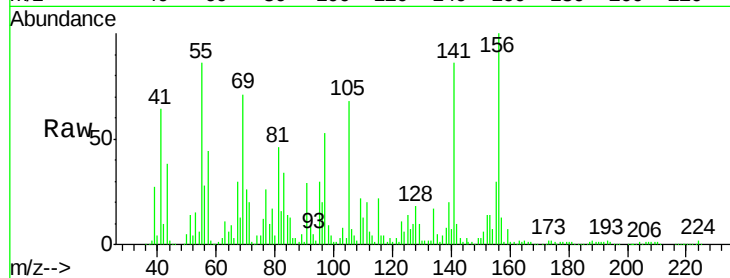




#85
 sec-Butylbenzene
 Concen: 5.40 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VW003521.D
 Acq: 24 Jun 2018 19:49

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB479-27-29-180620

Tot Ion:105 Resp: 70716
 Ion Ratio Lower Upper
 105 100
 134 46.3 9.8 29.5#



#91
 1,2-Dichlorobenzene
 Concen: 32.71 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003521.D
 Acq: 24 Jun 2018 19:49

Tgt Ion:146 Resp: 168757
 Ion Ratio Lower Upper
 146 100
 111 52.3 20.3 61.0
 148 62.6 32.3 96.9

