

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062318\
 Data File : VW003490.D
 Acq On : 24 Jun 2018 05:48
 Operator : SY/AP
 Sample : J3670-10
 Misc : 6.60G/5ML/MSVOA W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB477-17-19-180621

Quant Time: Jun 25 05:05:56 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	197825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	332935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	305014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	150605	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	140156	65.41	ug/l	0.00
Spiked Amount			Recovery	=	130.82%	
35) Dibromofluoromethane	7.88	113	122138	59.04	ug/l	0.00
Spiked Amount			Recovery	=	118.08%	
50) Toluene-d8	10.33	98	447805	54.59	ug/l	0.00
Spiked Amount			Recovery	=	109.18%	
62) 4-Bromofluorobenzene	12.62	95	173318	59.70	ug/l	0.00
Spiked Amount			Recovery	=	119.40%	

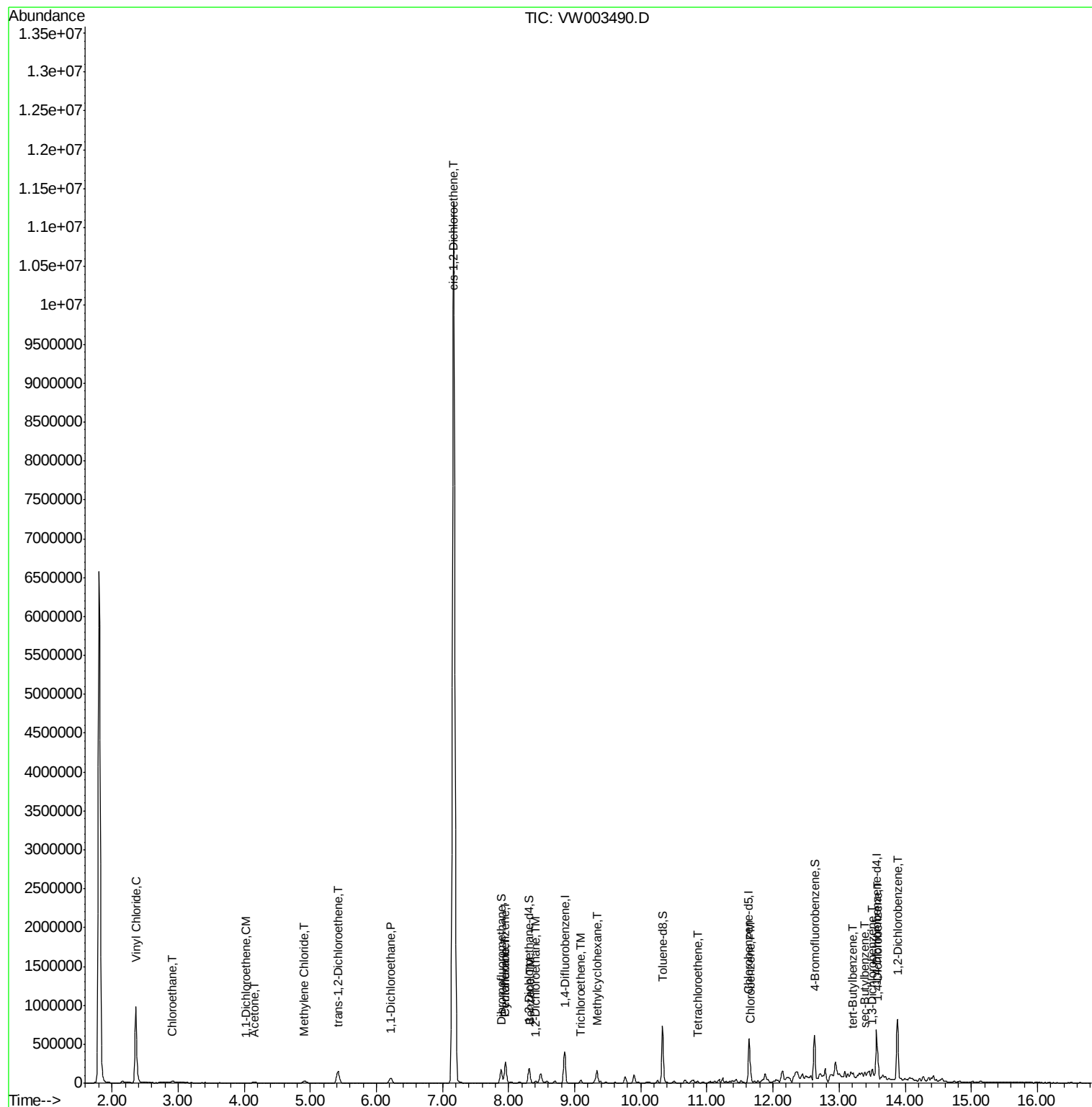
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	1157154	525.30	ug/l	98
6) Chloroethane	2.92	64	21131	13.78	ug/l	97
12) 1,1-Dichloroethene	4.04	96	3000	1.68	ug/l #	85
16) Acetone	4.15	43	37694	83.88	ug/l	97
20) Methylene Chloride	4.91	84	20913	7.86	ug/l	87
21) trans-1,2-Dichloroethene	5.42	96	90319	46.34	ug/l	99
24) 1,1-Dichloroethane	6.21	63	96370	26.00	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	6612443	3088.48	ug/l	92
31) Cyclohexane	7.95	56	11256	3.25	ug/l #	49
39) Methylcyclohexane	9.34	83	60083	16.15	ug/l	96
40) Benzene	8.32	78	29107	3.28	ug/l	98
42) 1,2-Dichloroethane	8.40	62	14769	5.32	ug/l	96
44) Trichloroethene	9.09	130	9869	4.20	ug/l	96
64) Tetrachloroethene	10.87	164	3067	1.50	ug/l #	89
65) Chlorobenzene	11.66	112	59678	9.40	ug/l	99
83) tert-Butylbenzene	13.21	119	17000	2.27	ug/l	96
85) sec-Butylbenzene	13.40	105	14255	1.28	ug/l #	47
87) 1,3-Dichlorobenzene	13.51	146	31984	6.38	ug/l	88
88) 1,4-Dichlorobenzene	13.58	146	74901	15.03	ug/l	94
91) 1,2-Dichlorobenzene	13.88	146	234446	53.40	ug/l	98

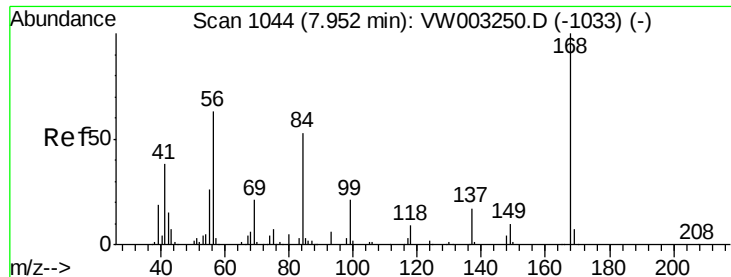
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003490.D

Acq: 24 Jun 2018 05:48

Instrument :

MSVOA_W

ClientSampleId :

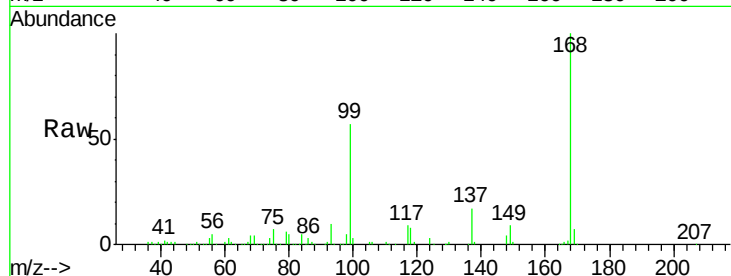
WP021SB477-17-19-180621

Tot Ion:168 Resp: 197825

Ion Ratio Lower Upper

168 100

99 57.2 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

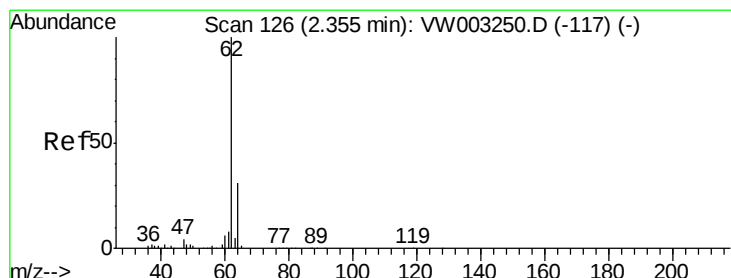
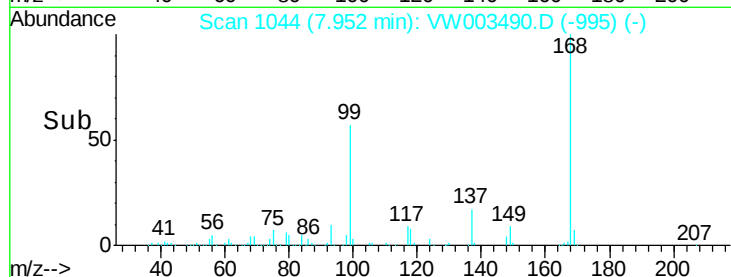
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 525.30 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003490.D

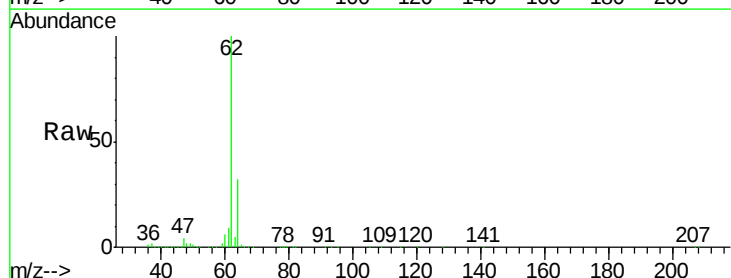
Acq: 24 Jun 2018 05:48

Tgt Ion: 62 Resp: 1157154

Ion Ratio Lower Upper

62 100

64 32.3 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

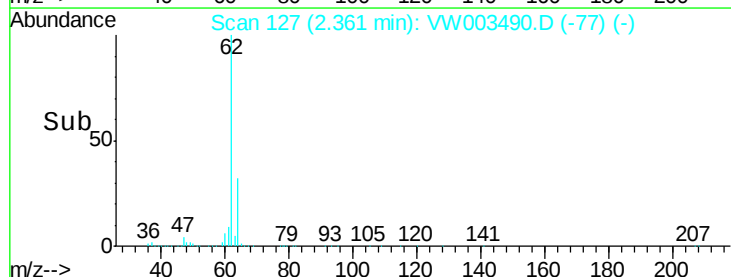
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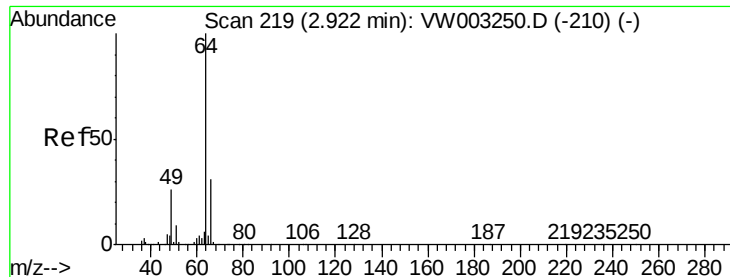
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200000

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Time-->





#6

Chloroethane

Concen: 13.78 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW003490.D

Acq: 24 Jun 2018 05:48

Instrument :

MSVOA_W

ClientSampleId :

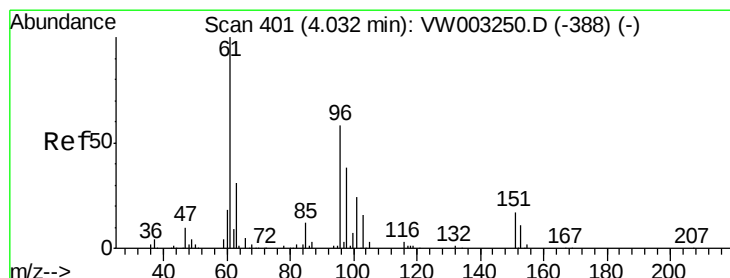
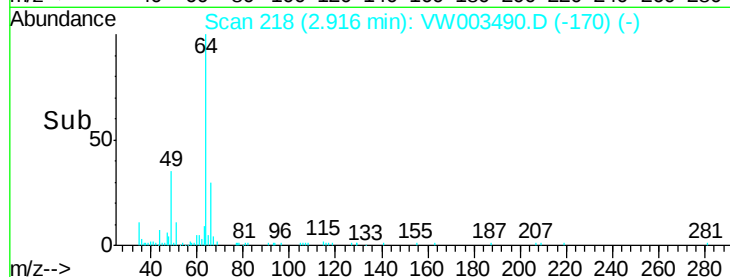
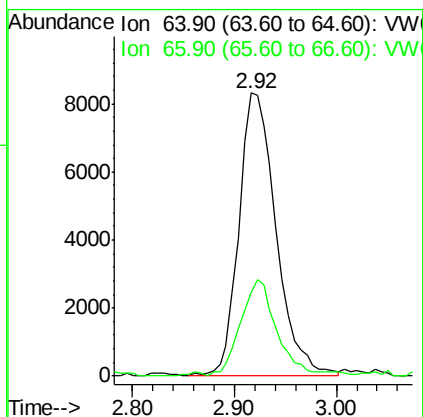
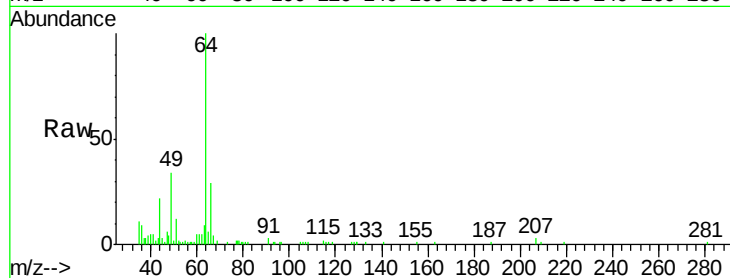
WP021SB477-17-19-180621

Tot Ion: 64 Resp: 21131

Ion Ratio Lower Upper

64 100

66 28.7 24.4 36.6



#12

1,1-Dichloroethene

Concen: 1.68 ug/l

RT: 4.04 min Scan# 402

Delta R.T. 0.01 min

Lab File: VW003490.D

Acq: 24 Jun 2018 05:48

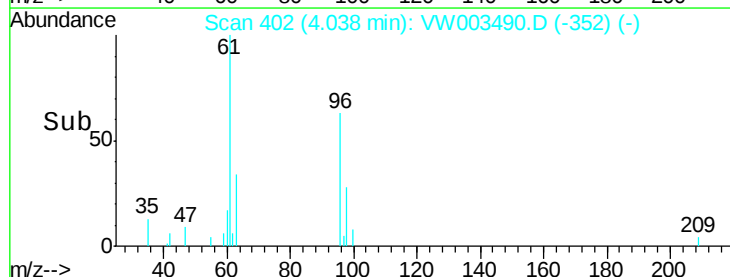
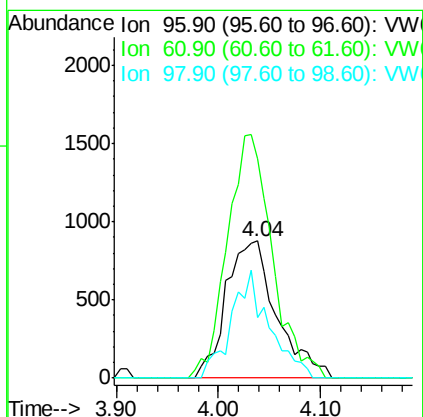
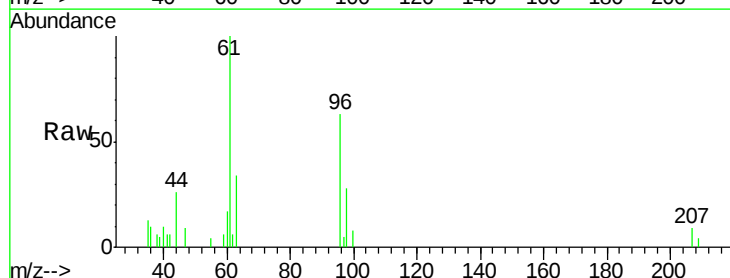
Tgt Ion: 96 Resp: 3000

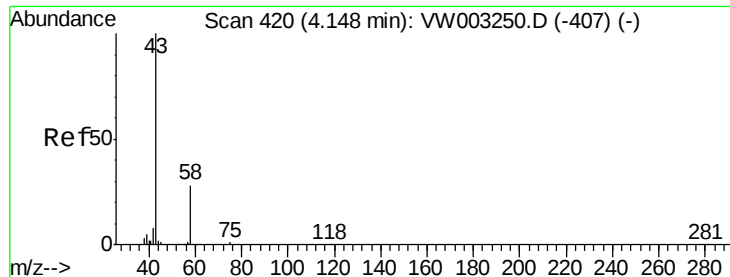
Ion Ratio Lower Upper

96 100

61 159.9 139.0 208.4

98 44.4 53.3 79.9#





#16

Acetone

Concen: 83.88 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003490.D

Acq: 24 Jun 2018 05:48

Instrument :

MSVOA_W

ClientSampleId :

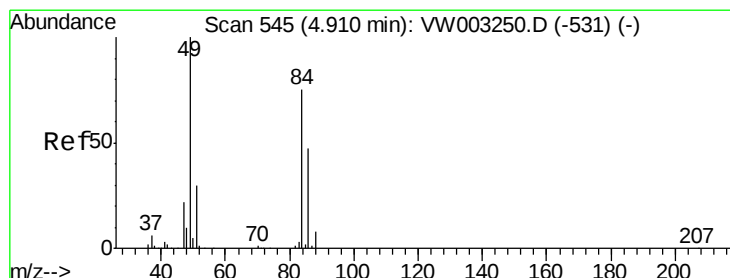
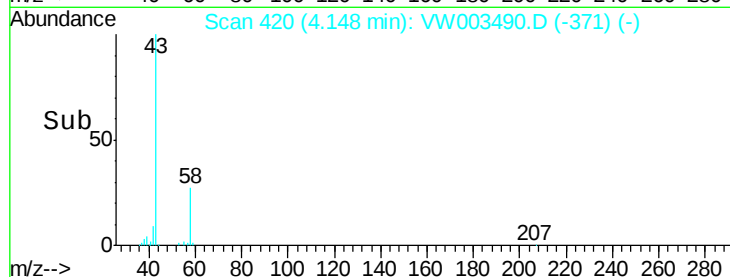
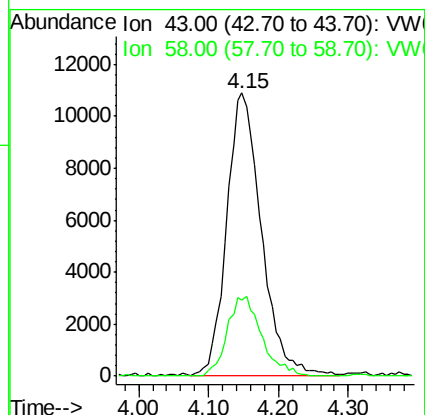
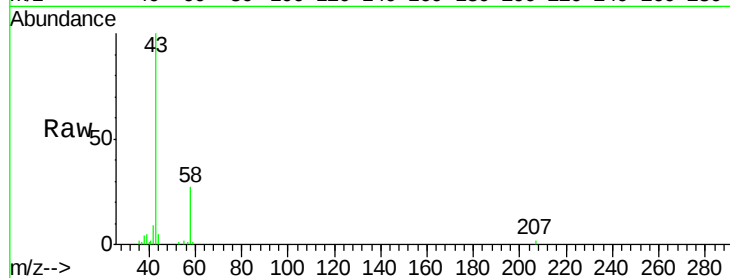
WP021SB477-17-19-180621

Tot Ion: 43 Resp: 37694

Ion Ratio Lower Upper

43 100

58 26.9 22.6 34.0



#20

Methylene Chloride

Concen: 7.86 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003490.D

Acq: 24 Jun 2018 05:48

Tgt Ion: 84 Resp: 20913

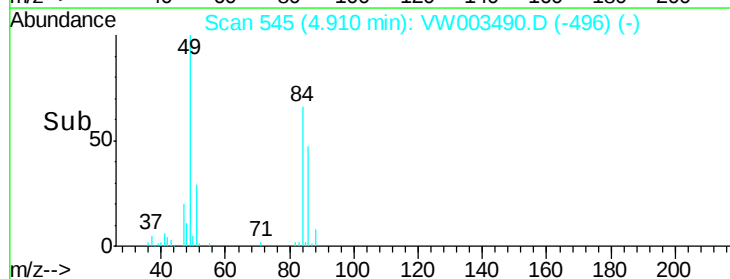
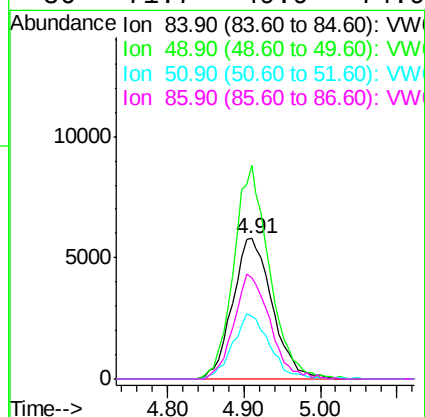
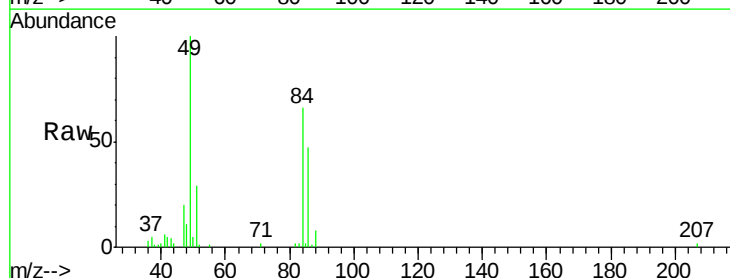
Ion Ratio Lower Upper

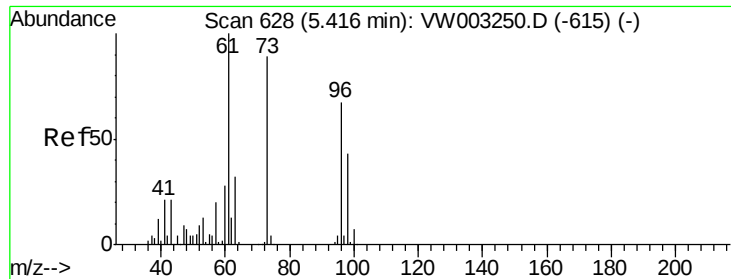
84 100

49 151.9 106.3 159.5

51 44.4 32.0 48.0

86 71.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 46.34 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003490.D

Acq: 24 Jun 2018 05:48

Instrument :

MSVOA_W

ClientSampleId :

WP021SB477-17-19-180621

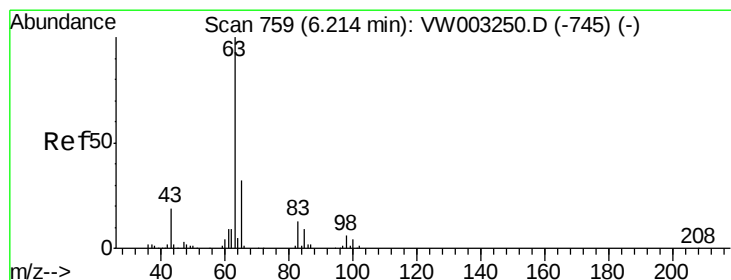
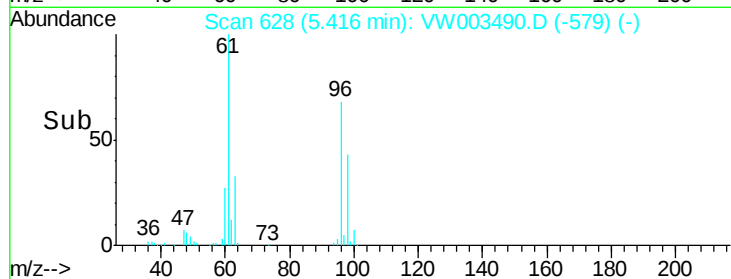
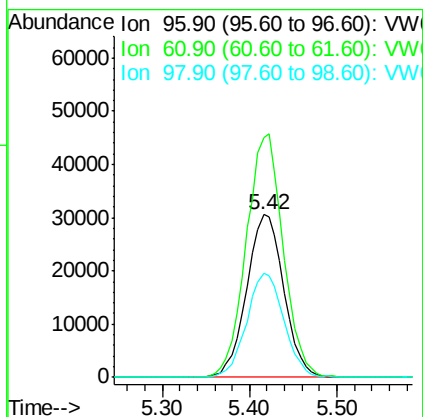
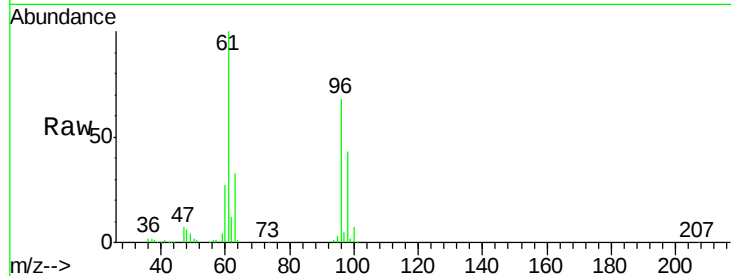
Tot Ion: 96 Resp: 90319

Ion Ratio Lower Upper

96 100

61 147.3 118.7 178.1

98 63.6 51.0 76.6



#24

1,1-Dichloroethane

Concen: 26.00 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003490.D

Acq: 24 Jun 2018 05:48

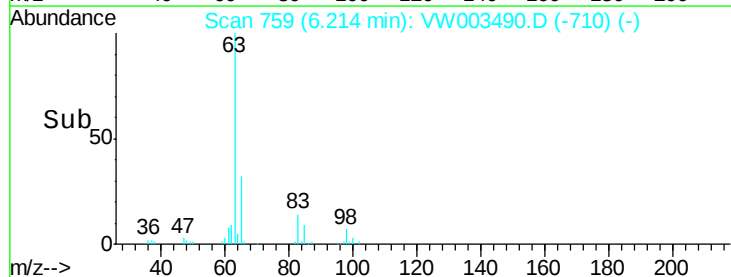
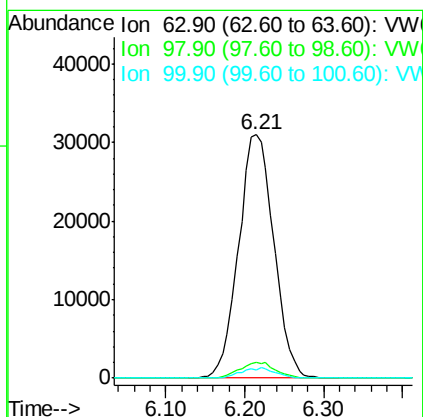
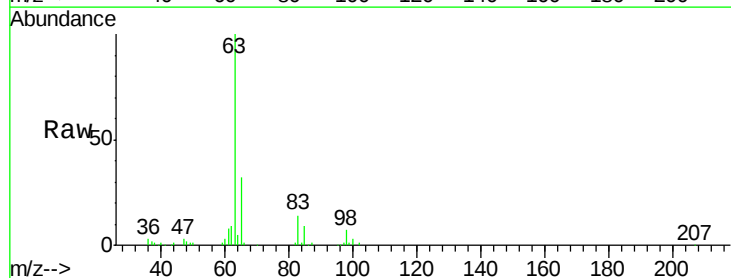
Tgt Ion: 63 Resp: 96370

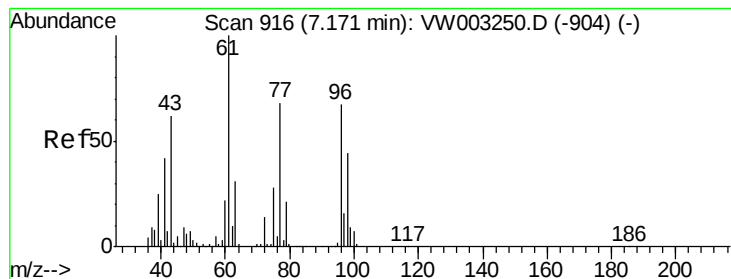
Ion Ratio Lower Upper

63 100

98 6.6 2.8 8.3

100 3.3 2.1 6.5



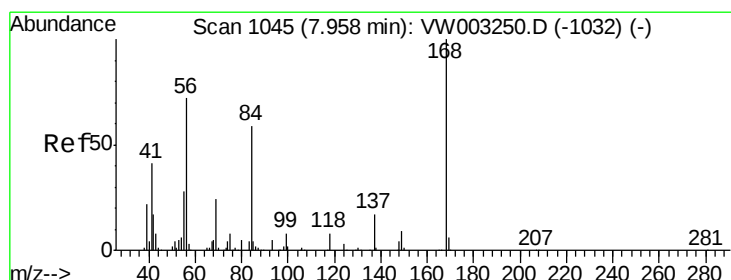
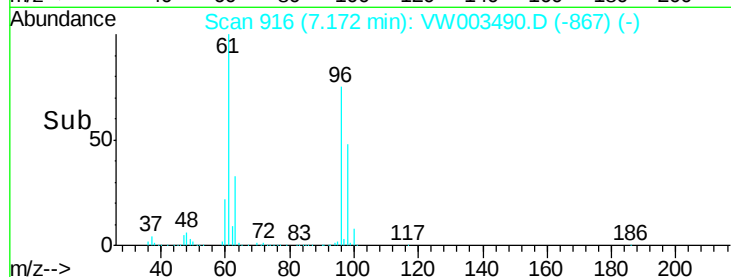
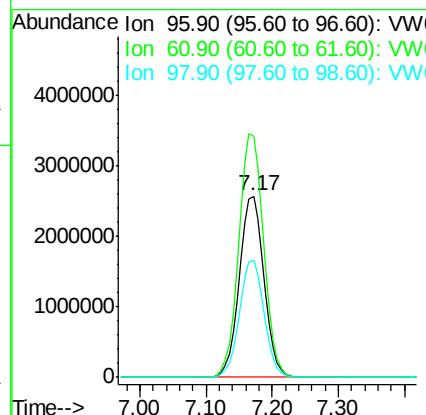
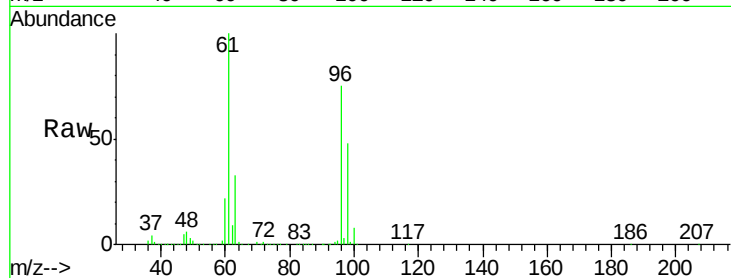


#27

cis-1,2-Dichloroethene
Concen: 3088.48 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003490.D
Acq: 24 Jun 2018 05:48

Instrument :
MSVOA_W
ClientSampleId :
WP021SB477-17-19-180621

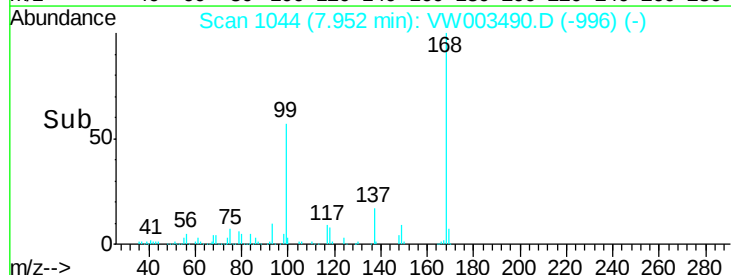
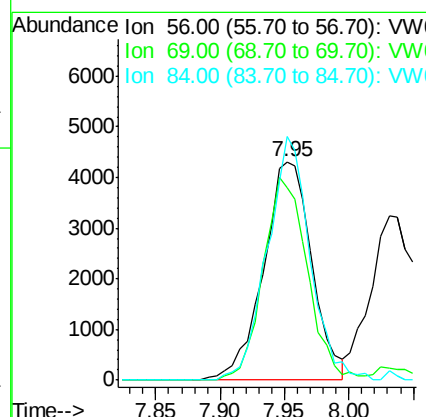
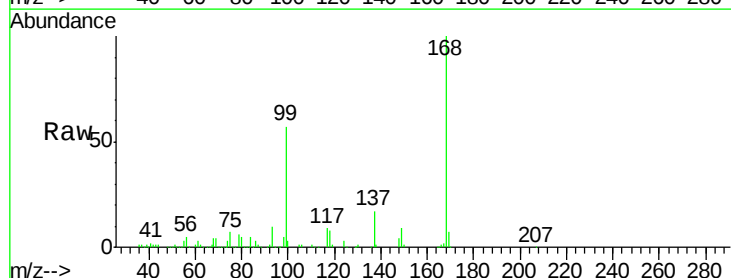
Tot Ion: 96 Resp: 6612443
Ion Ratio Lower Upper
96 100
61 135.7 0.0 298.8
98 64.7 0.0 130.4

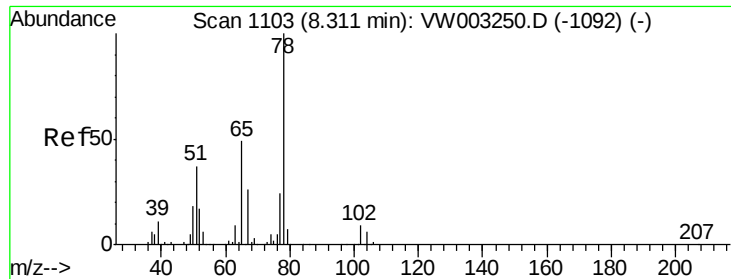


#31

Cyclohexane
Concen: 3.25 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003490.D
Acq: 24 Jun 2018 05:48

Tgt Ion: 56 Resp: 11256
Ion Ratio Lower Upper
56 100
69 88.1 26.3 39.5#
84 111.4 65.7 98.5#





#33

1,2-Dichloroethane-d4

Concen: 65.41 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003490.D

Acq: 24 Jun 2018 05:48

Instrument :

MSVOA_W

ClientSampleId :

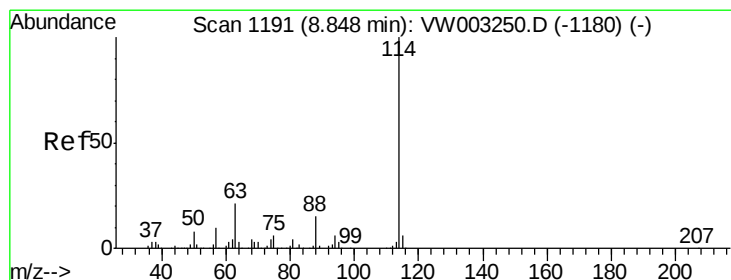
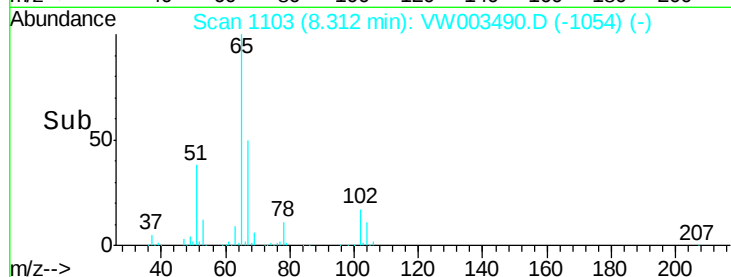
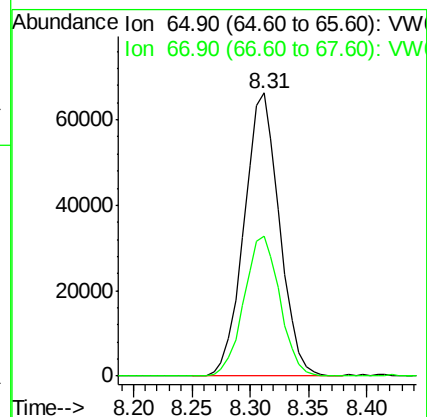
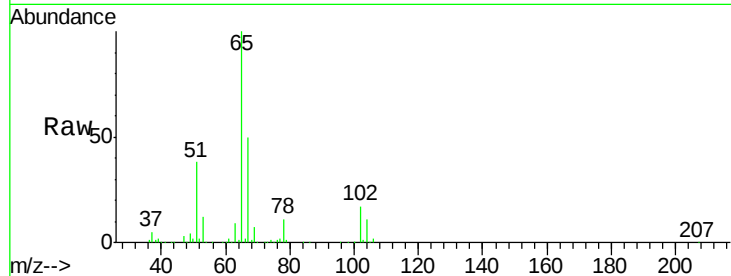
WP021SB477-17-19-180621

Tot Ion: 65 Resp: 140156

Ion Ratio Lower Upper

65 100

67 50.4 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: VW003490.D

Acq: 24 Jun 2018 05:48

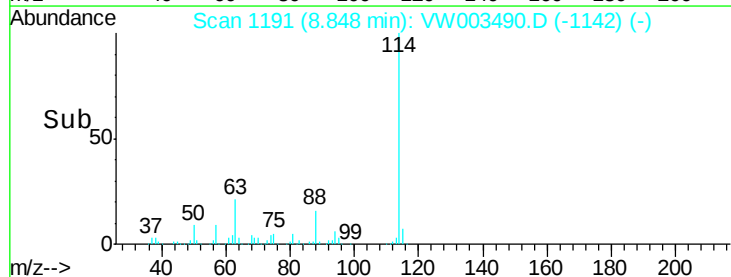
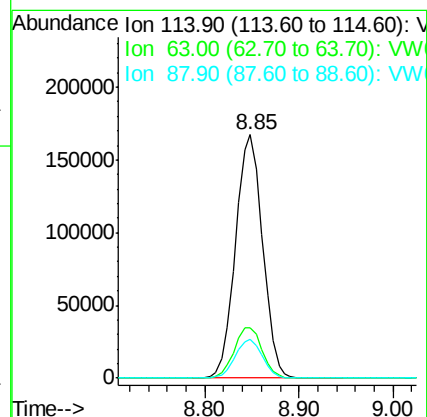
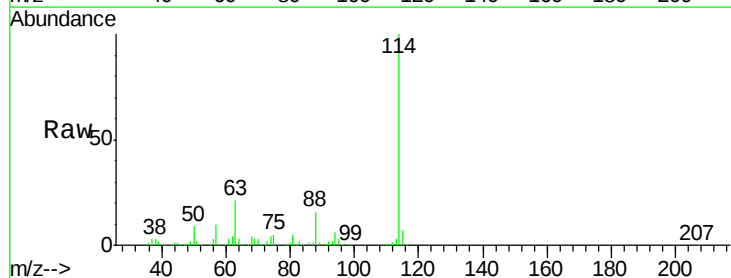
Tgt Ion: 114 Resp: 332935

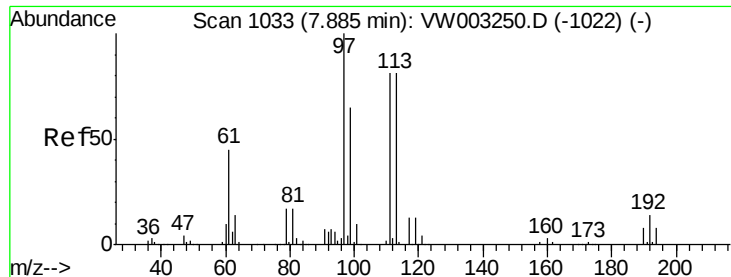
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.0

88 15.7 0.0 29.6

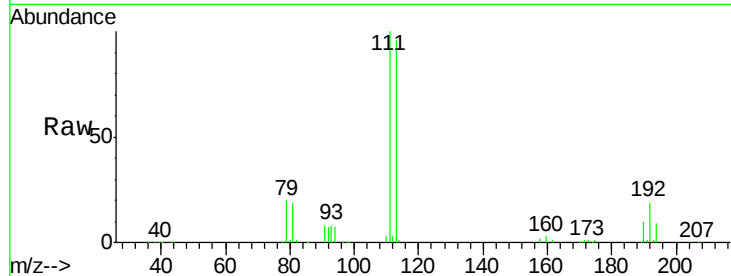




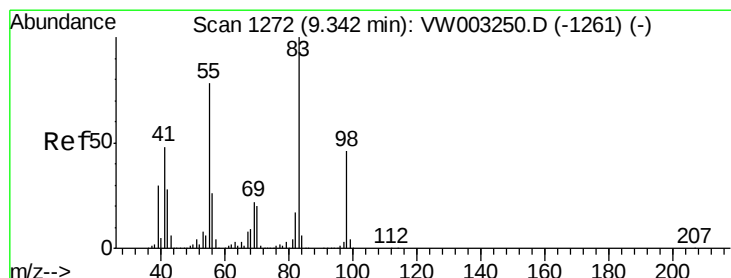
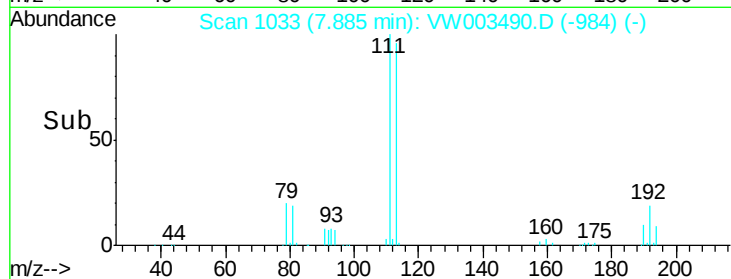
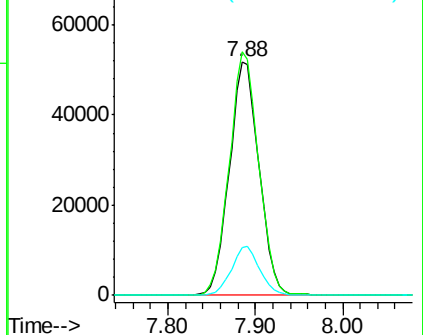
#35
Dibromofluoromethane
Concen: 59.04 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW003490.D
Acq: 24 Jun 2018 05:48

Instrument :
MSVOA_W
ClientSampleId :
WP021SB477-17-19-180621

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.2	123.2
192	20.0	16.2	24.2

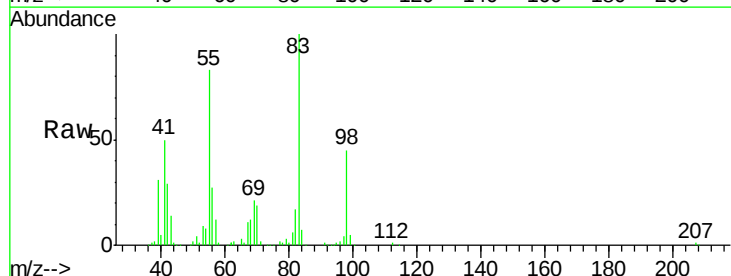


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

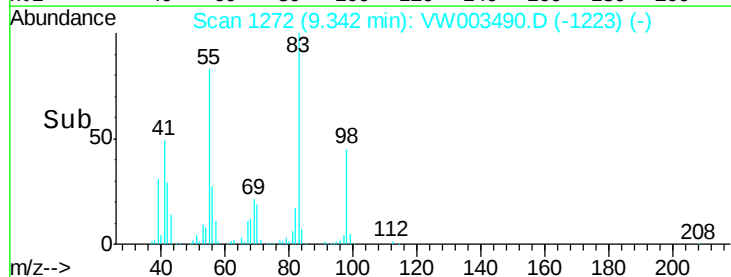
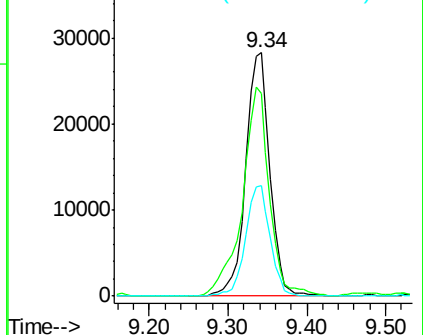


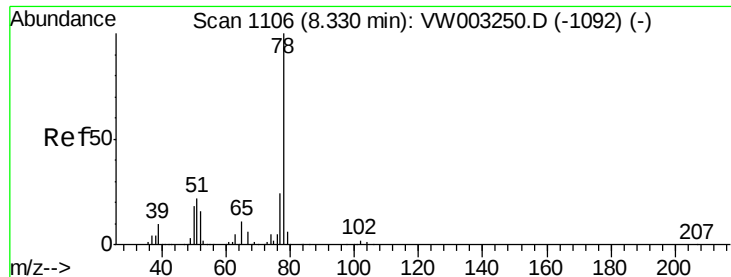
#39
Methylcyclohexane
Concen: 16.15 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VW003490.D
Acq: 24 Jun 2018 05:48

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.1	62.6	93.8
98	45.5	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: 3.28 ug/l

RT: 8.32 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VW003490.D

Acq: 24 Jun 2018 05:48

Instrument :

MSVOA_W

ClientSampleId :

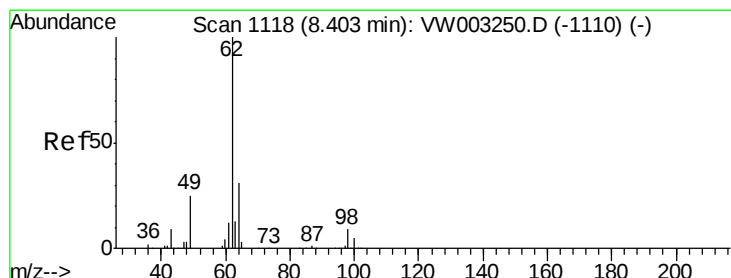
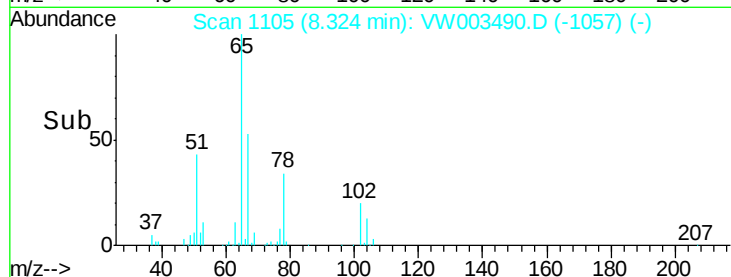
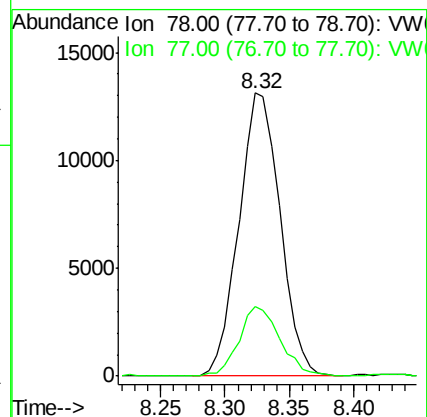
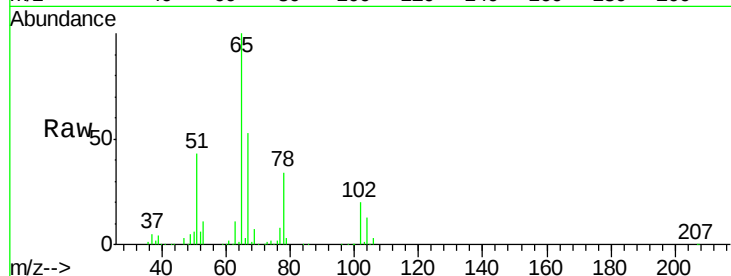
WP021SB477-17-19-180621

Tot Ion: 78 Resp: 29107

Ion Ratio Lower Upper

78 100

77 24.8 19.0 28.6



#42

1,2-Dichloroethane

Concen: 5.32 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003490.D

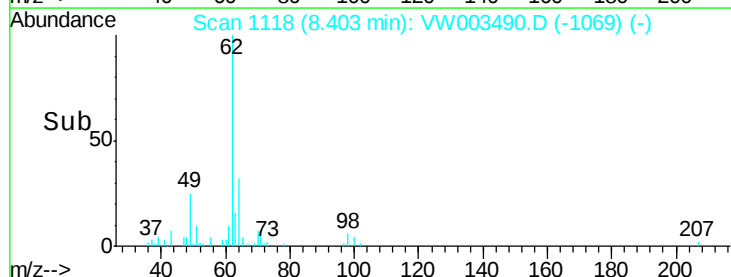
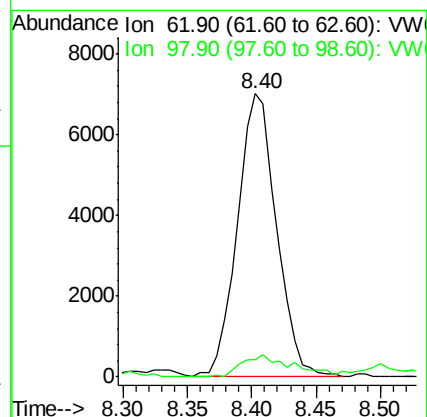
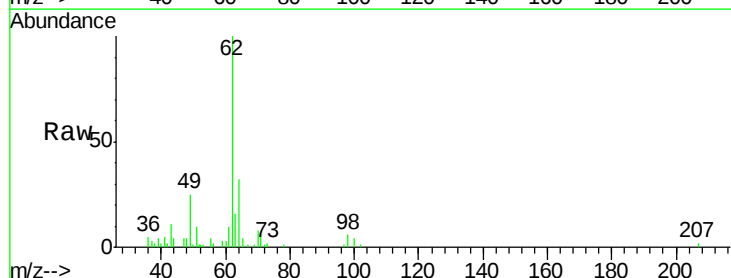
Acq: 24 Jun 2018 05:48

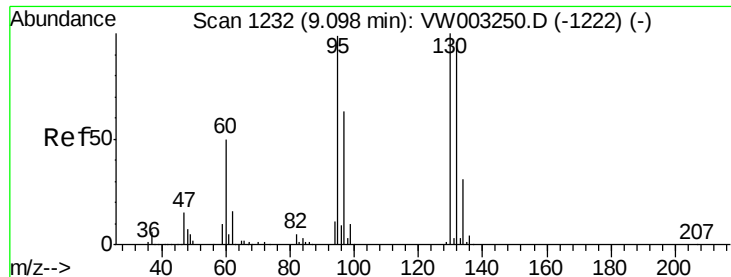
Tgt Ion: 62 Resp: 14769

Ion Ratio Lower Upper

62 100

98 10.1 0.0 17.2

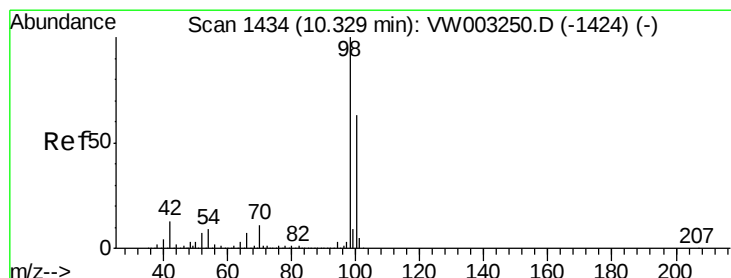
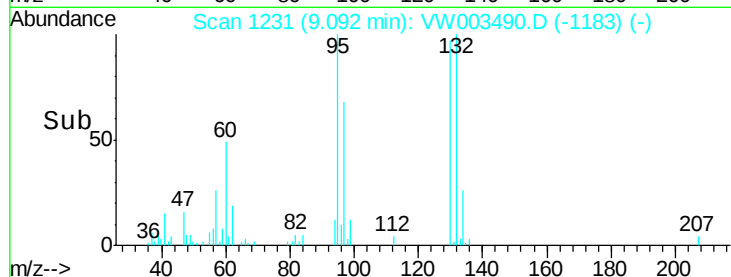
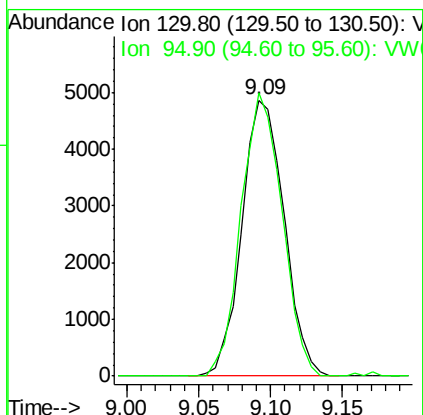
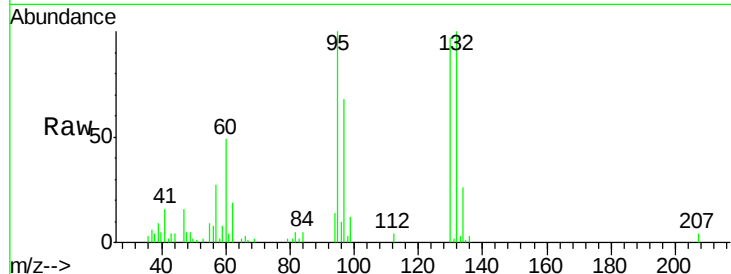




#44
 Trichloroethene
 Concen: 4.20 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VW003490.D
 Acq: 24 Jun 2018 05:48

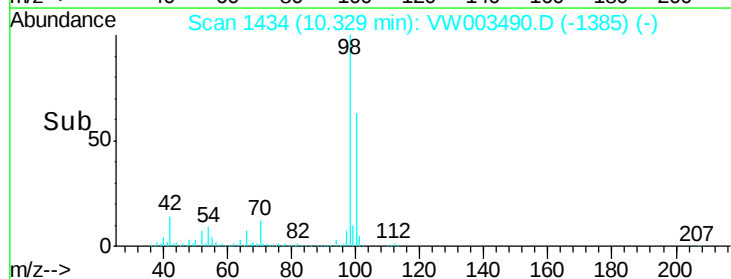
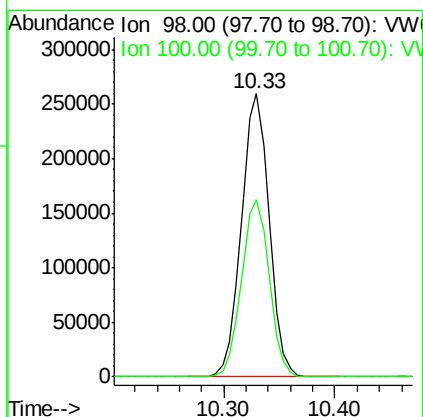
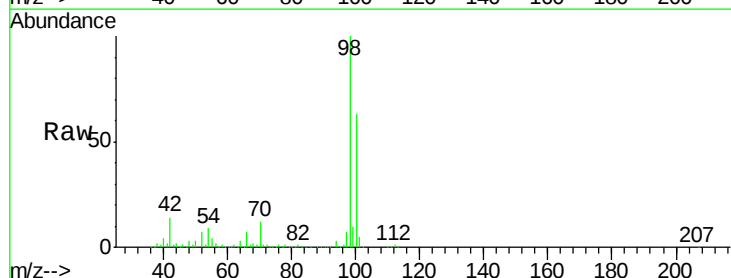
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB477-17-19-180621

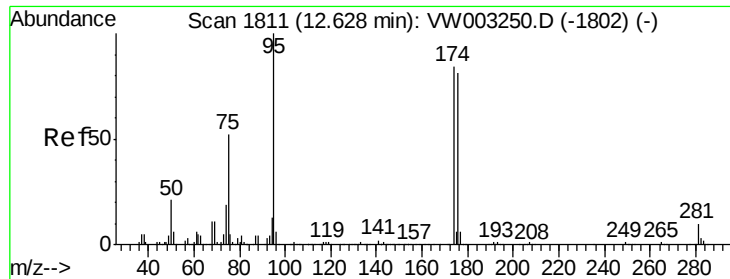
Tot Ion:130 Resp: 9869
 Ion Ratio Lower Upper
 130 100
 95 102.7 0.0 198.0



#50
 Toluene-d8
 Concen: 54.59 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW003490.D
 Acq: 24 Jun 2018 05:48

Tgt Ion: 98 Resp: 447805
 Ion Ratio Lower Upper
 98 100
 100 62.7 50.8 76.2

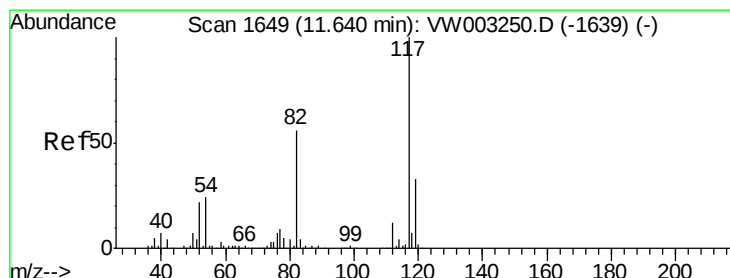
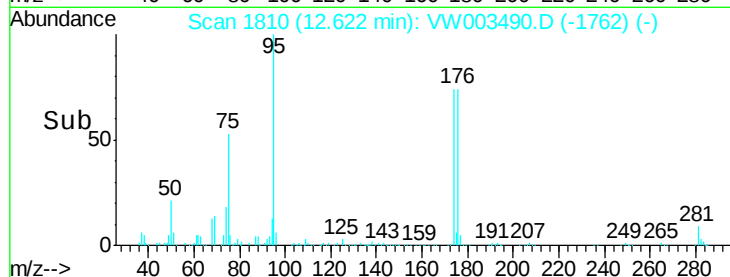
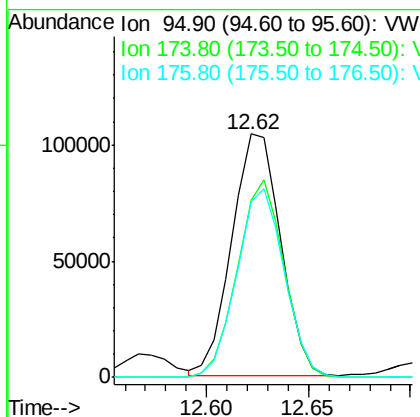
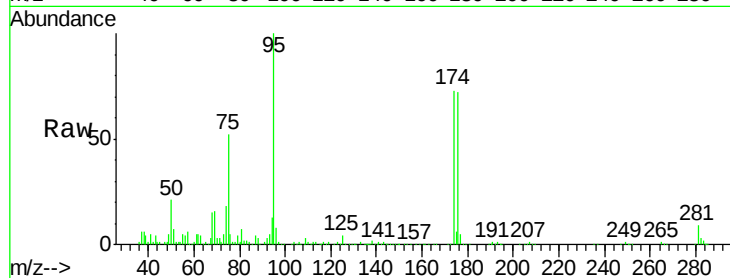




#62
4-Bromofluorobenzene
Concen: 59.70 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VW003490.D
Acq: 24 Jun 2018 05:48

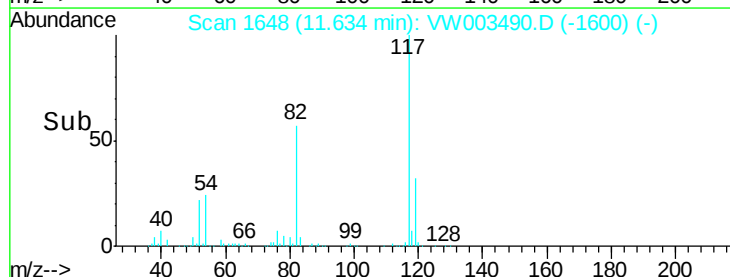
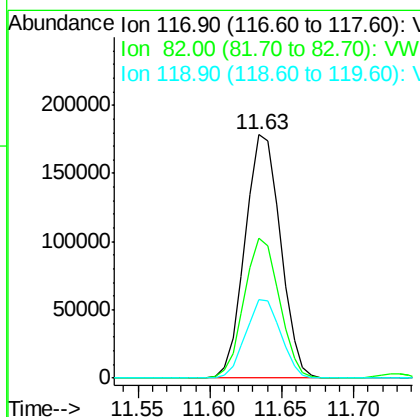
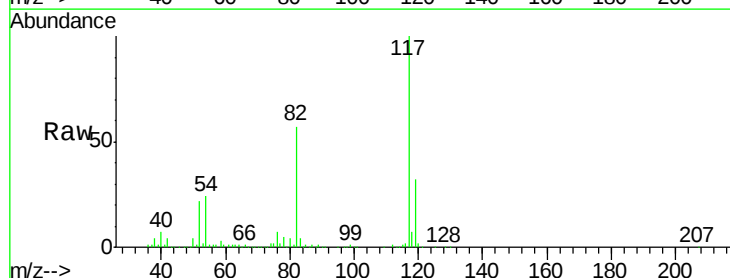
Instrument :
MSVOA_W
ClientSampleId :
WP021SB477-17-19-180621

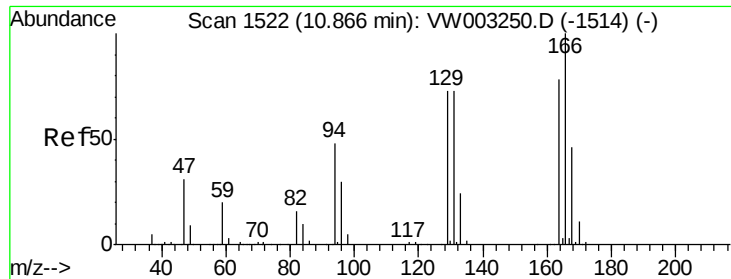
Tot Ion: 95 Resp: 173318
Ion Ratio Lower Upper
95 100
174 78.0 0.0 166.4
176 75.9 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003490.D
Acq: 24 Jun 2018 05:48

Tgt Ion: 117 Resp: 305014
Ion Ratio Lower Upper
117 100
82 57.4 44.6 67.0
119 32.0 26.7 40.1

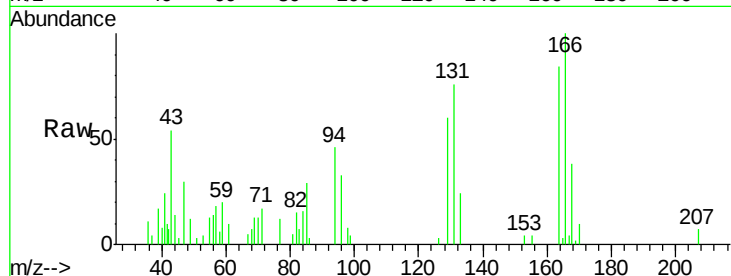




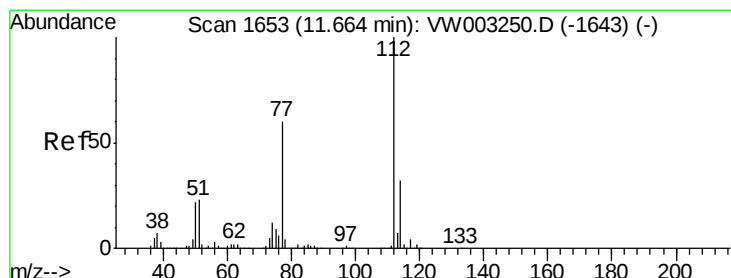
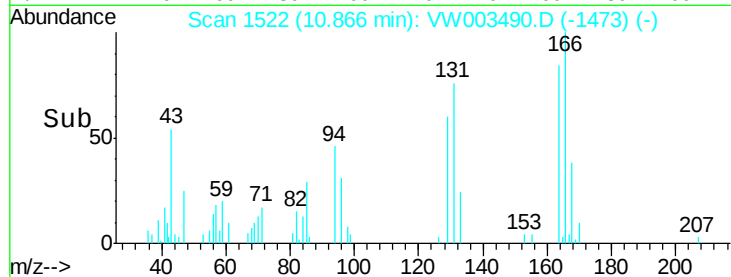
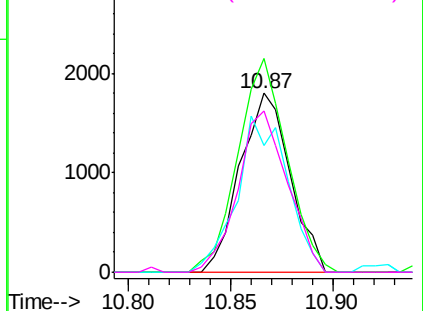
#64
Tetrachloroethene
Concen: 1.50 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003490.D
Acq: 24 Jun 2018 05:48

Instrument :
MSVOA_W
ClientSampleId :
WP021SB477-17-19-180621

Tot Ion:164 Resp: 3067
Ion Ratio Lower Upper
164 100
166 119.3 102.6 154.0
129 71.1 75.2 112.8#
131 90.1 75.0 112.4

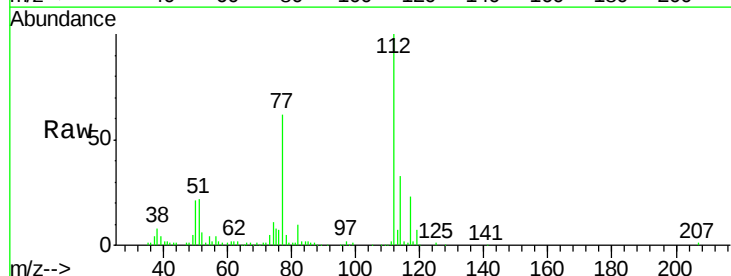


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

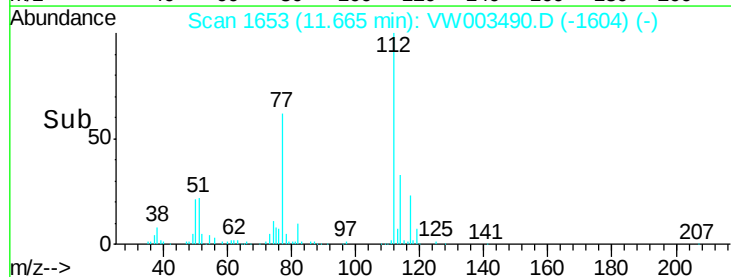
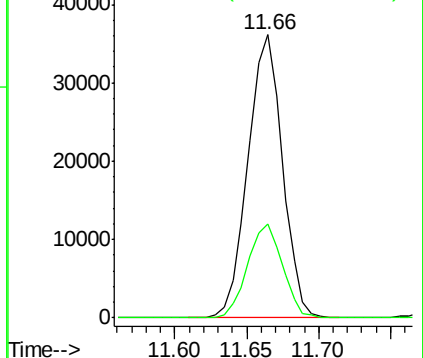


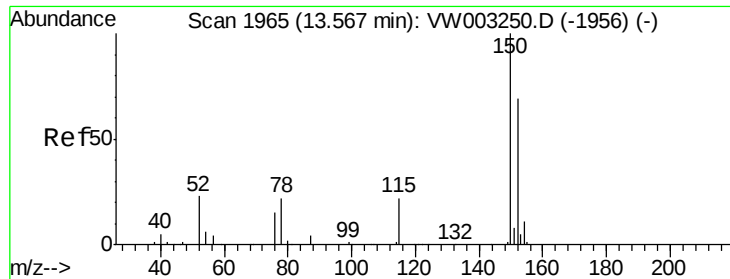
#65
Chlorobenzene
Concen: 9.40 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003490.D
Acq: 24 Jun 2018 05:48

Tgt Ion:112 Resp: 59678
Ion Ratio Lower Upper
112 100
114 33.0 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



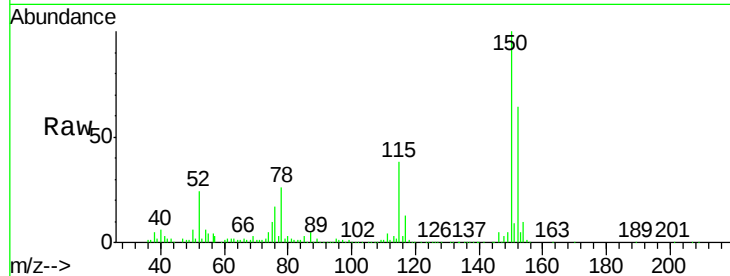


#72

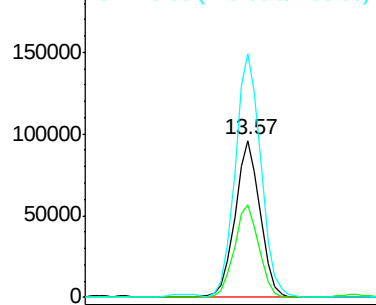
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003490.D
Acq: 24 Jun 2018 05:48

Instrument :
MSVOA_W
ClientSampleId :
WP021SB477-17-19-180621

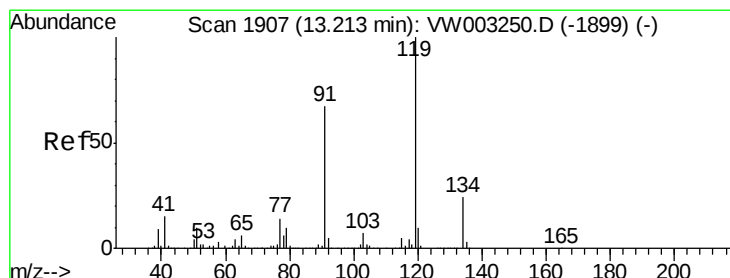
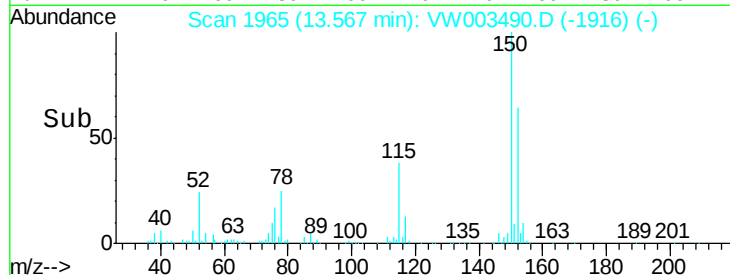
Tot Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.3	88.0
150	159.3	0.0	349.6



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



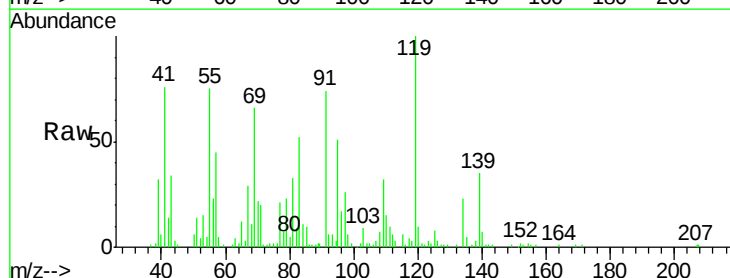
Time-->



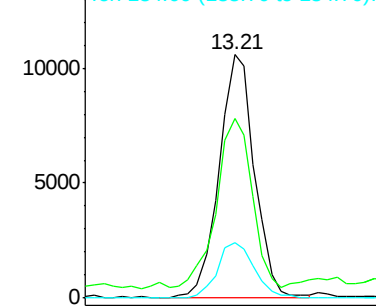
#83

tert-Butylbenzene
Concen: 2.27 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003490.D
Acq: 24 Jun 2018 05:48

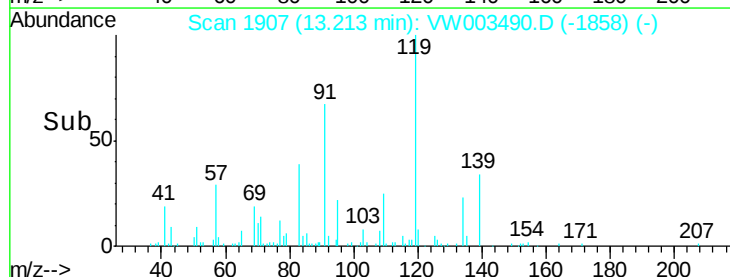
Tgt Ion	Ratio	Lower	Upper
119	100		
91	69.8	33.9	101.7
134	23.6	13.4	40.1

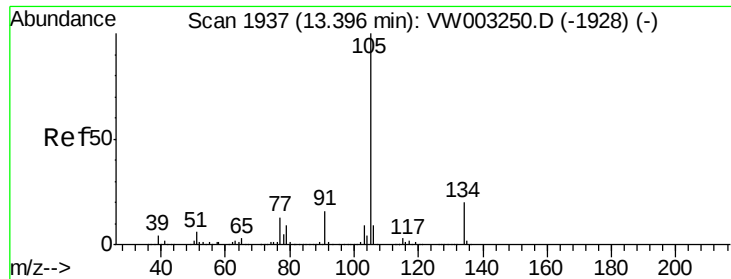


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



Time-->

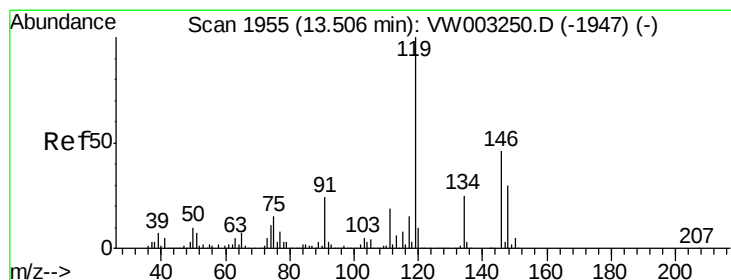
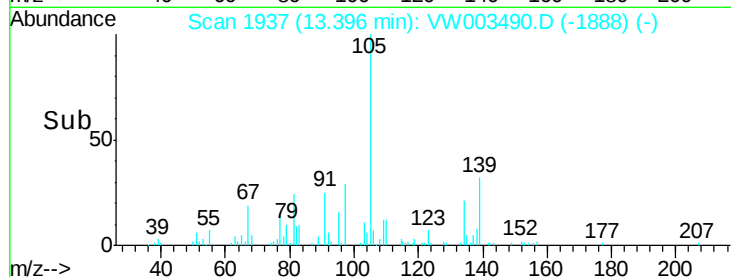
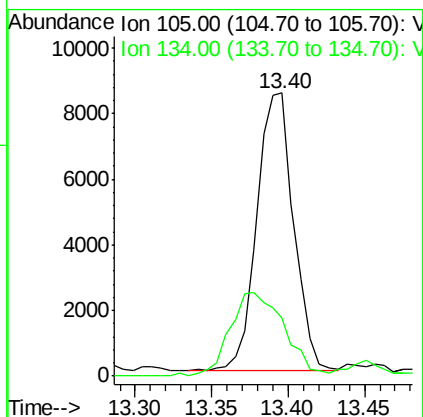
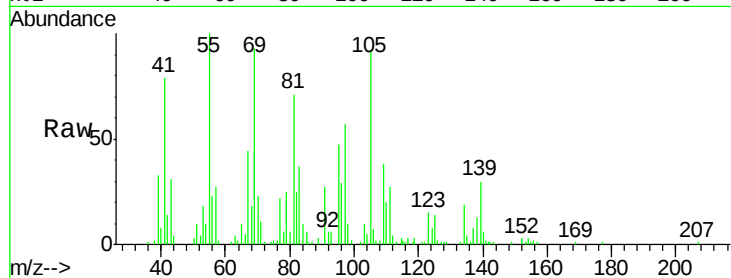




#85
 sec-Butylbenzene
 Concen: 1.28 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VW003490.D
 Acq: 24 Jun 2018 05:48

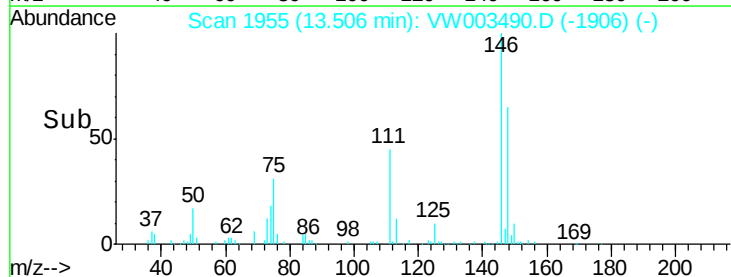
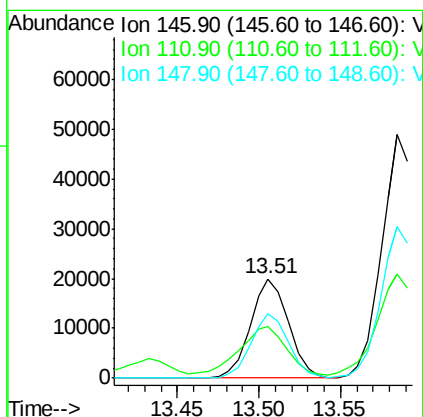
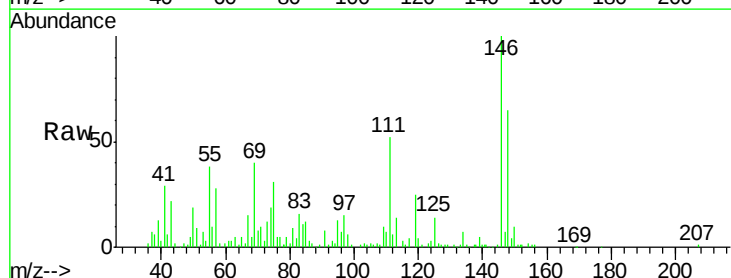
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB477-17-19-180621

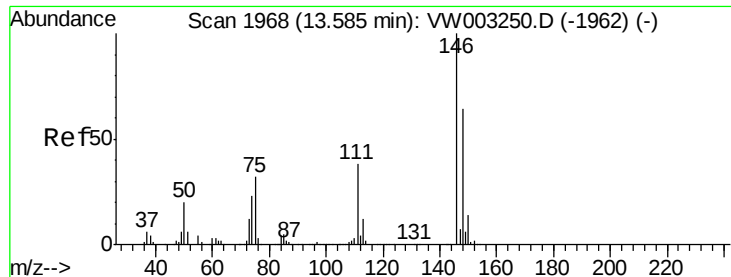
Tot Ion:105 Resp: 14255
 Ion Ratio Lower Upper
 105 100
 134 44.0 9.8 29.5#



#87
 1,3-Dichlorobenzene
 Concen: 6.38 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003490.D
 Acq: 24 Jun 2018 05:48

Tgt Ion:146 Resp: 31984
 Ion Ratio Lower Upper
 146 100
 111 59.3 19.8 59.4
 148 64.0 32.1 96.5





#88

1,4-Dichlorobenzene

Concen: 15.03 ug/l

RT: 13.58 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW003490.D

Acq: 24 Jun 2018 05:48

Instrument :

MSVOA_W

ClientSampleId :

WP021SB477-17-19-180621

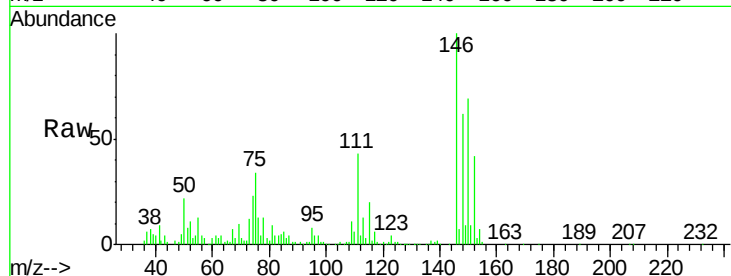
Tot Ion:146 Resp: 74901

Ion Ratio Lower Upper

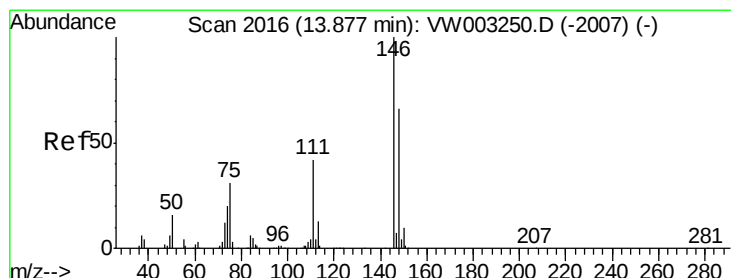
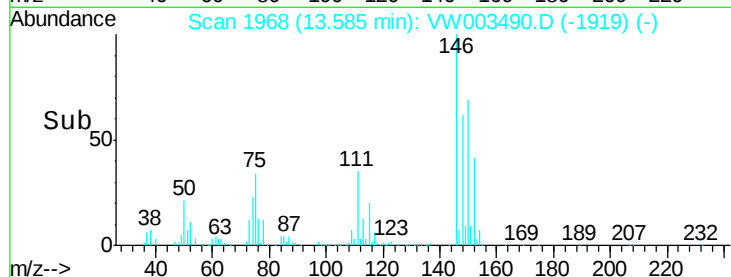
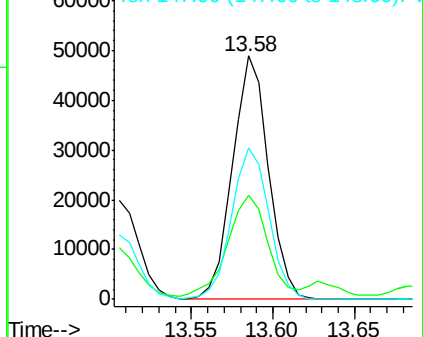
146 100

111 45.7 19.2 57.6

148 65.1 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 53.40 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003490.D

Acq: 24 Jun 2018 05:48

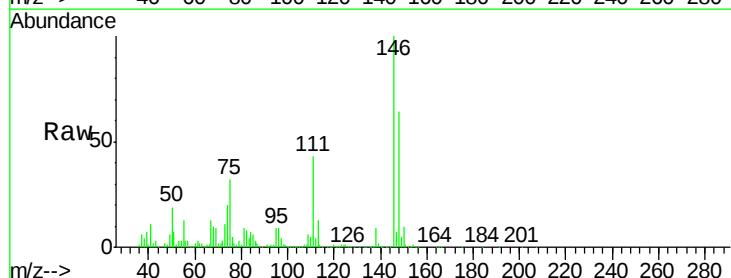
Tgt Ion:146 Resp: 234446

Ion Ratio Lower Upper

146 100

111 42.5 20.3 61.0

148 63.2 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

