

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062318\
 Data File : VW003485.D
 Acq On : 24 Jun 2018 03:38
 Operator : SY/AP
 Sample : J3670-05
 Misc : 6.62G/5ML/MSVOA W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-17-19-180621

Quant Time: Jun 25 04:40:48 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	151325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	247047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	228782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	117456	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	105811	64.55	ug/l	0.00
Spiked Amount			Recovery	=	129.10%	
35) Dibromofluoromethane	7.89	113	85463	55.67	ug/l	0.00
Spiked Amount			Recovery	=	111.34%	
50) Toluene-d8	10.33	98	286750	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	
62) 4-Bromofluorobenzene	12.63	95	111862	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	

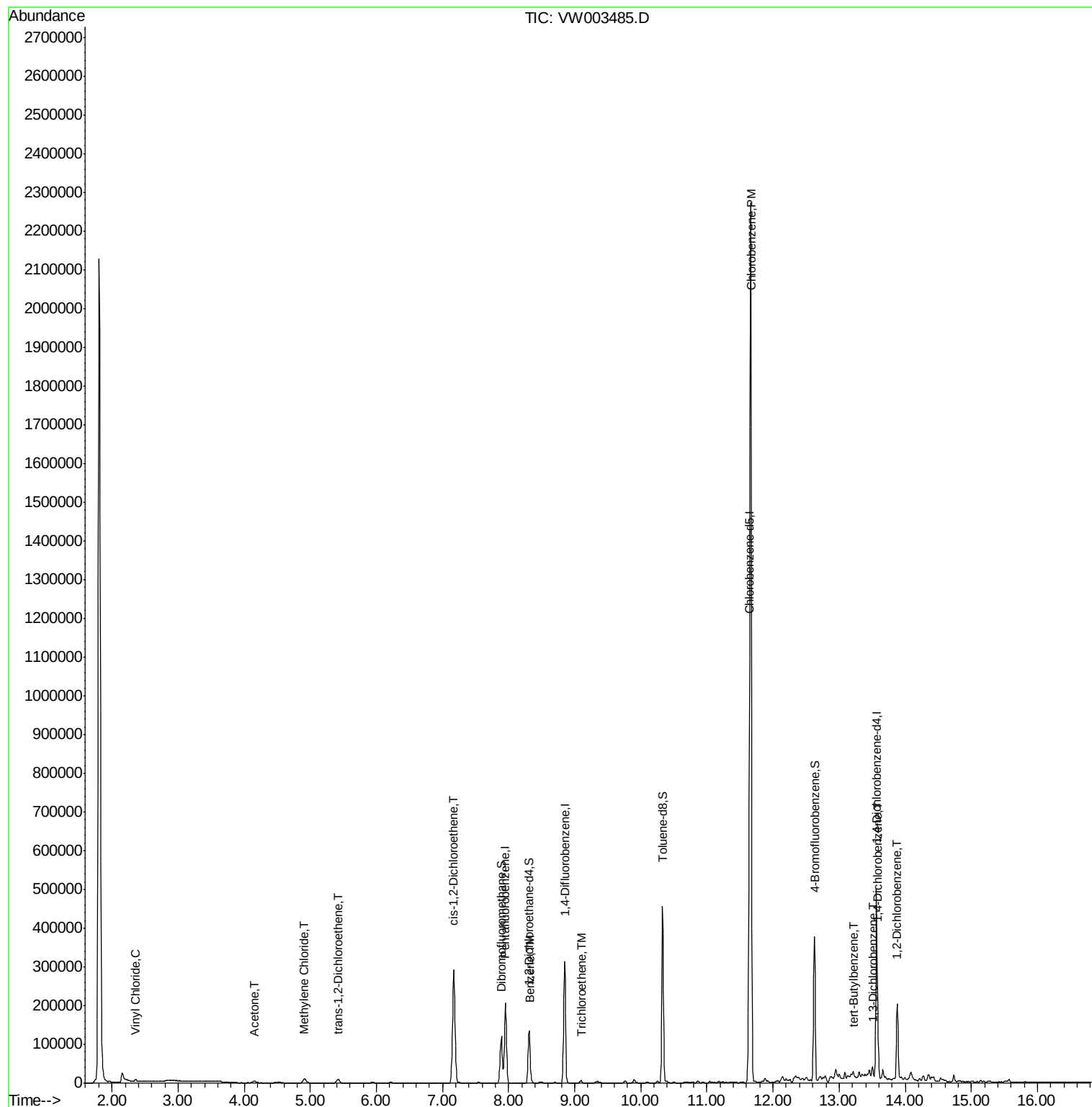
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	4837	2.87	ug/l	91
16) Acetone	4.15	43	10668	31.03	ug/l	97
20) Methylene Chloride	4.91	84	7893	1.87	ug/l #	92
21) trans-1,2-Dichloroethene	5.42	96	5943	3.99	ug/l	90
27) cis-1,2-Dichloroethene	7.17	96	166011	101.37	ug/l	93
40) Benzene	8.33	78	6680	1.02	ug/l	91
44) Trichloroethene	9.10	130	1751	1.00	ug/l	73
65) Chlorobenzene	11.66	112	1157241	242.90	ug/l	100
83) tert-Butylbenzene	13.22	119	6323	1.08	ug/l	95
87) 1,3-Dichlorobenzene	13.51	146	9936	2.54	ug/l	91
88) 1,4-Dichlorobenzene	13.58	146	31158	8.02	ug/l	94
91) 1,2-Dichlorobenzene	13.88	146	67081	19.59	ug/l	98

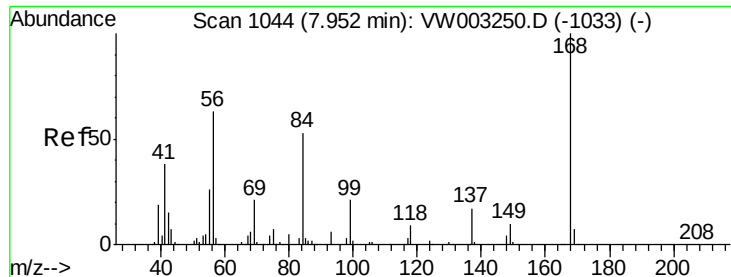
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003485.D

Acq: 24 Jun 2018 03:38

Instrument :

MSVOA_W

ClientSampleId :

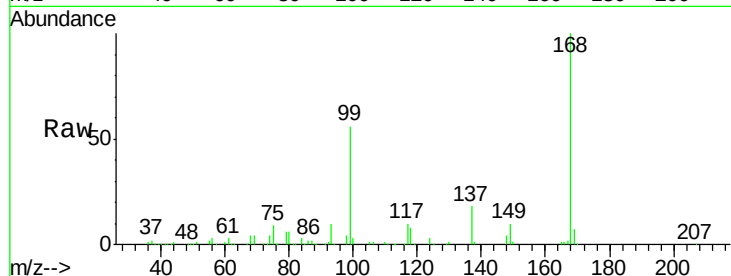
WP021SB487-17-19-180621

Tot Ion:168 Resp: 151325

Ion Ratio Lower Upper

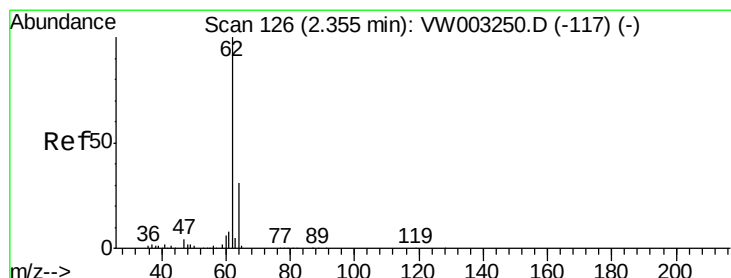
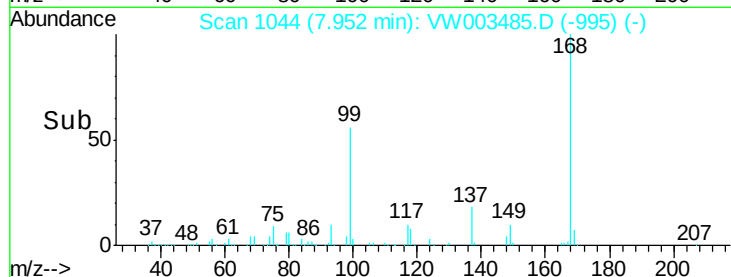
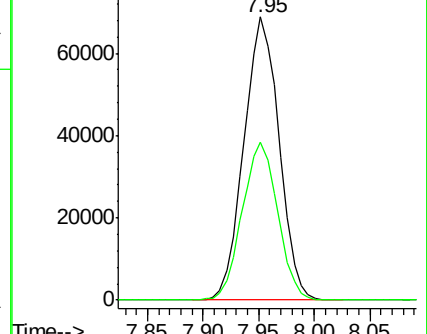
168 100

99 56.0 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: 2.87 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003485.D

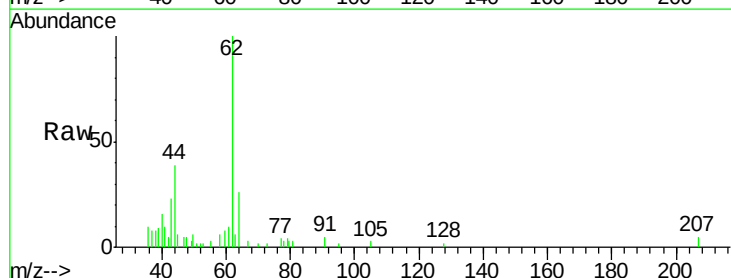
Acq: 24 Jun 2018 03:38

Tgt Ion: 62 Resp: 4837

Ion Ratio Lower Upper

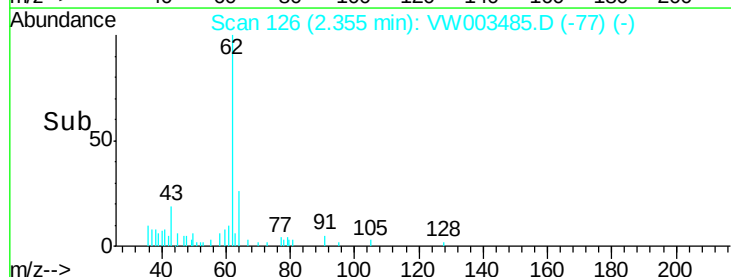
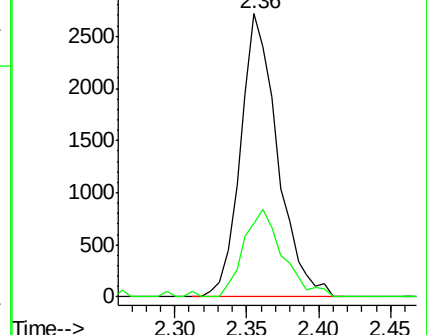
62 100

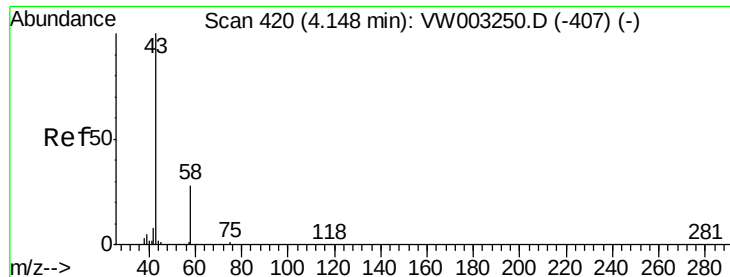
64 26.2 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#16

Acetone

Concen: 31.03 ug/l

RT: 4.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VW003485.D

Acq: 24 Jun 2018 03:38

Instrument :

MSVOA_W

ClientSampleId :

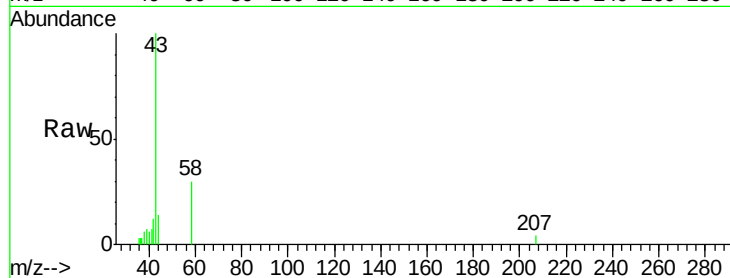
WP021SB487-17-19-180621

Tot Ion: 43 Resp: 10668

Ion Ratio Lower Upper

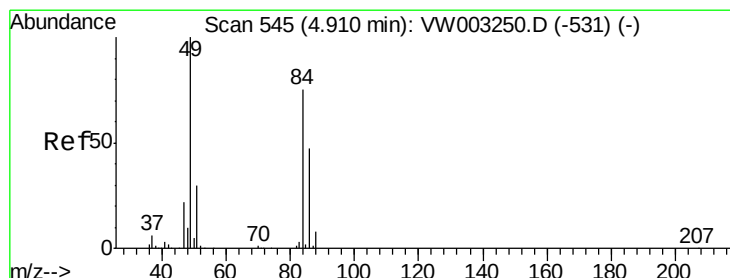
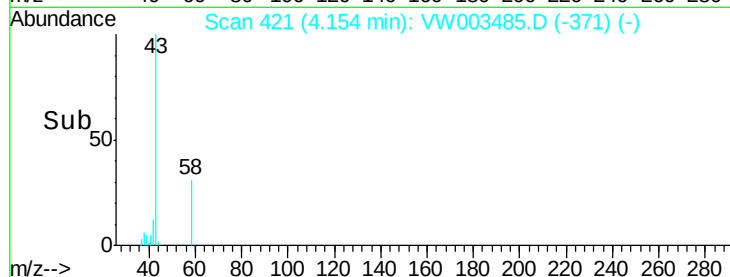
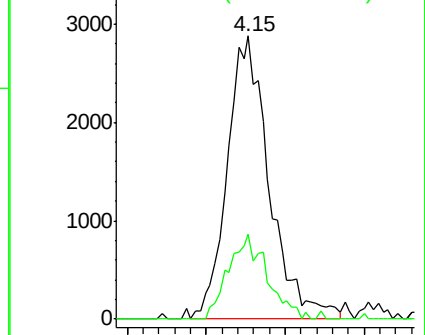
43 100

58 30.1 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 1.87 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003485.D

Acq: 24 Jun 2018 03:38

Tgt Ion: 84 Resp: 7893

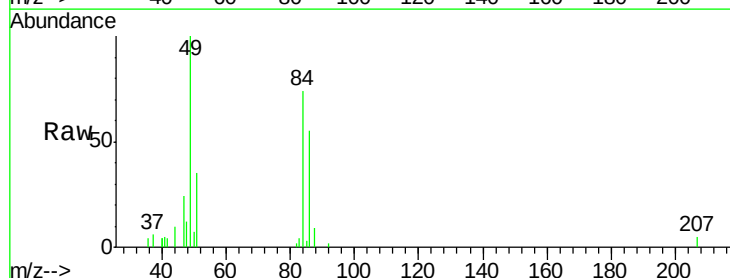
Ion Ratio Lower Upper

84 100

49 135.7 106.3 159.5

51 47.8 32.0 48.0

86 75.3 49.9 74.9#

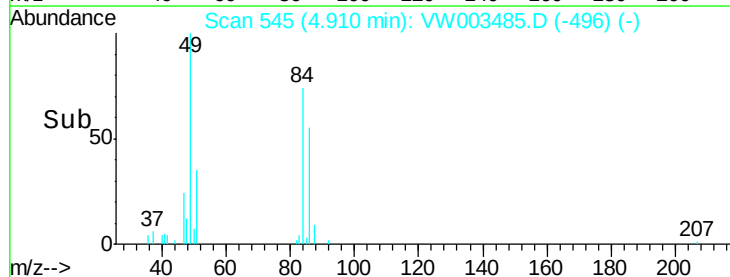
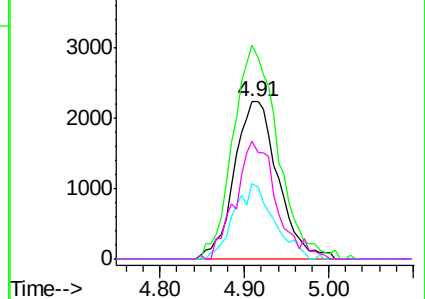


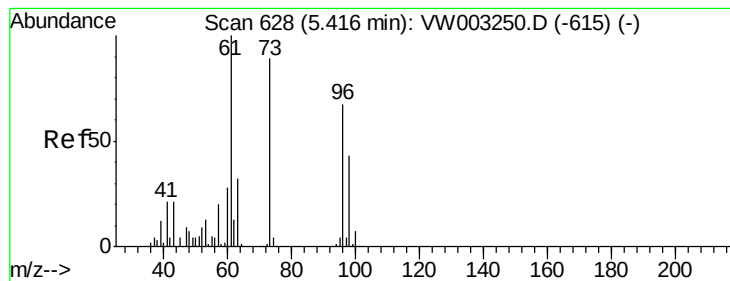
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#21

trans-1,2-Dichloroethene

Concen: 3.99 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW003485.D

Acq: 24 Jun 2018 03:38

Instrument :

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ClientSampleId :

WP021SB487-17-19-180621

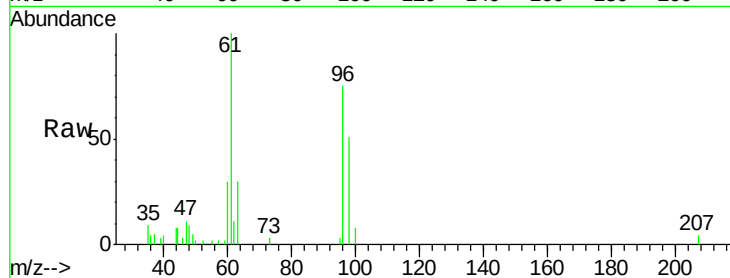
Tot Ion: 96 Resp: 5943

Ion Ratio Lower Upper

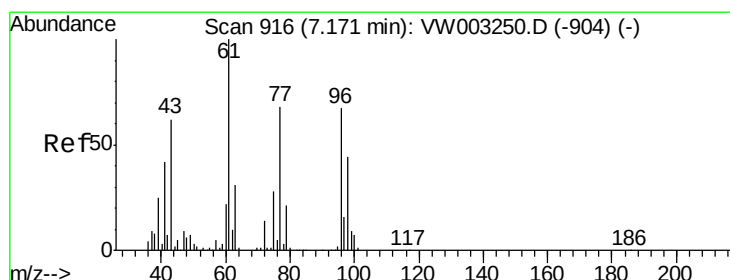
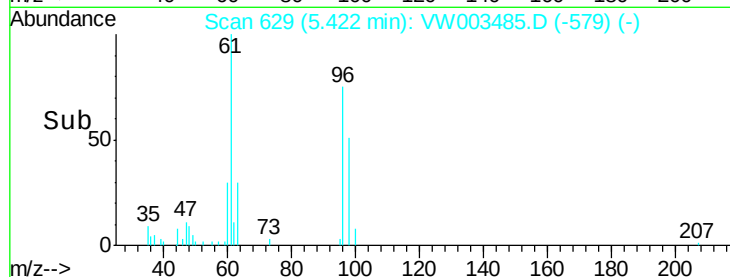
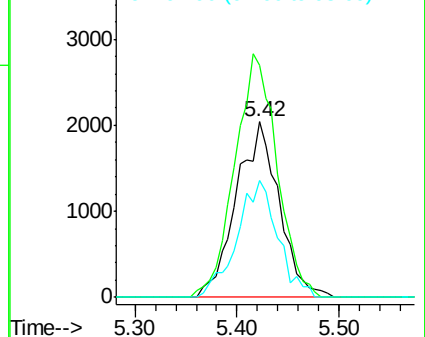
96 100

61 132.5 118.7 178.1

98 66.9 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#27

cis-1,2-Dichloroethene

Concen: 101.37 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW003485.D

Acq: 24 Jun 2018 03:38

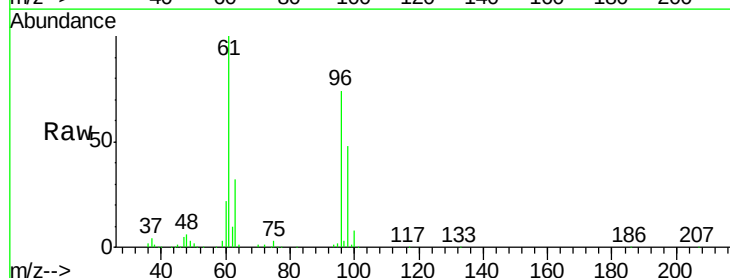
Tgt Ion: 96 Resp: 166011

Ion Ratio Lower Upper

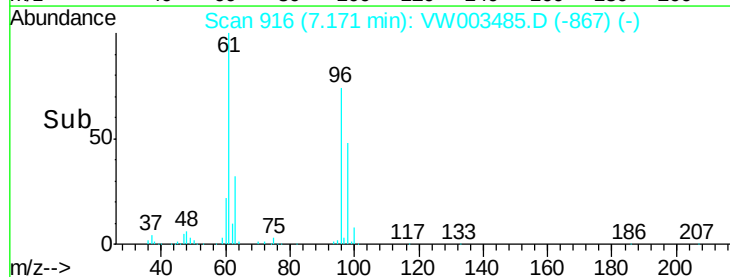
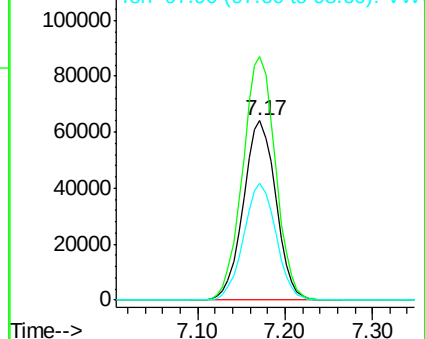
96 100

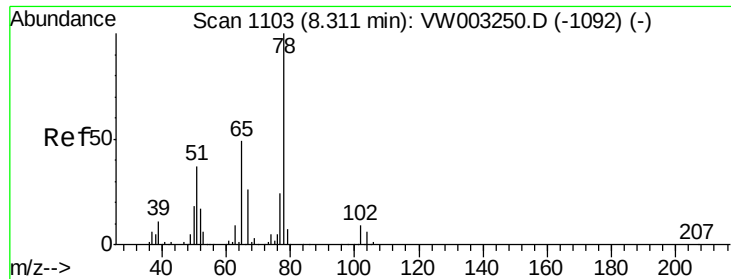
61 136.6 0.0 298.8

98 64.7 0.0 130.4



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW

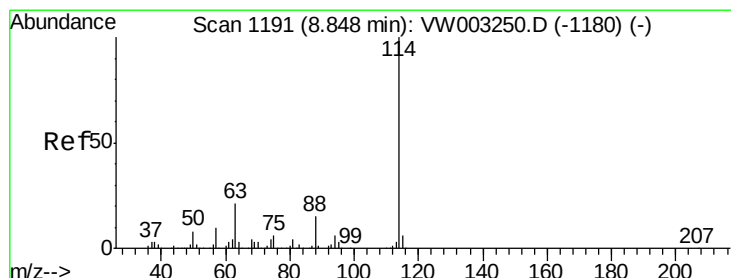
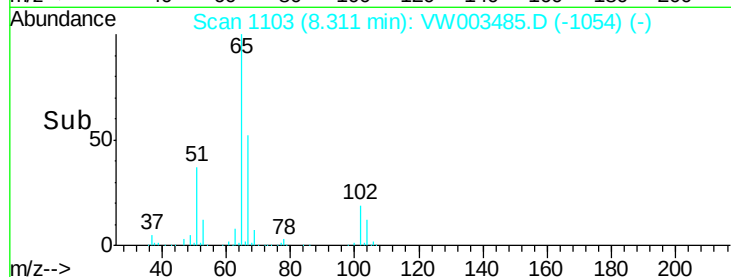
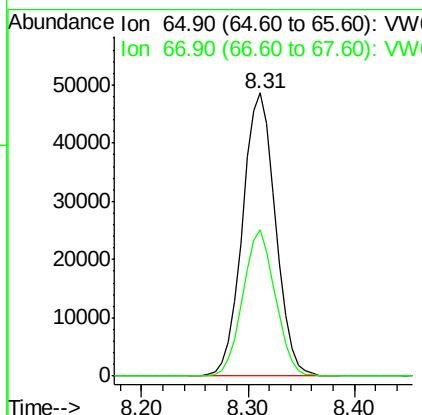
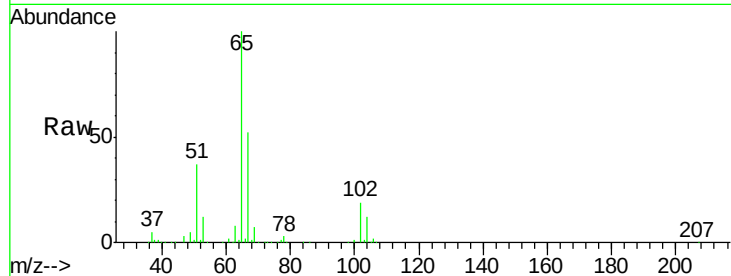




#33
 1,2-Dichloroethane-d4
 Concen: 64.55 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003485.D
 Acq: 24 Jun 2018 03:38

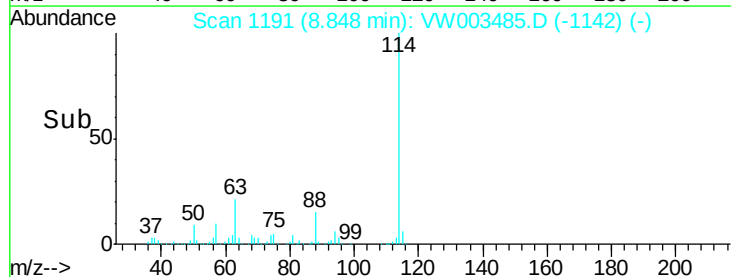
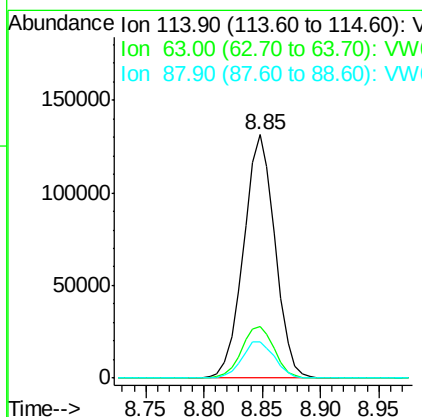
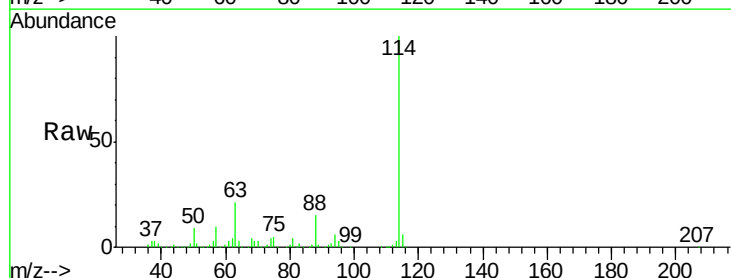
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 ClientSampleId :
 WP021SB487-17-19-180621

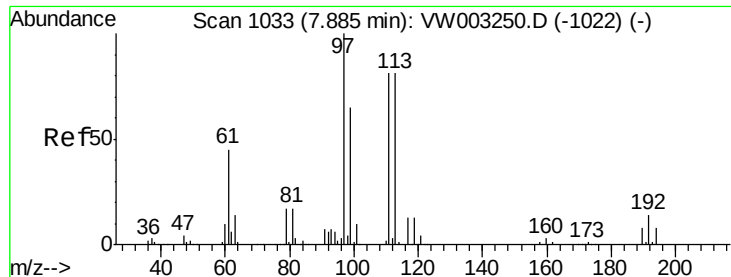
Tot Ion: 65 Resp: 105811
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003485.D
 Acq: 24 Jun 2018 03:38

Tgt Ion: 114 Resp: 247047
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.0
 88 14.7 0.0 29.6

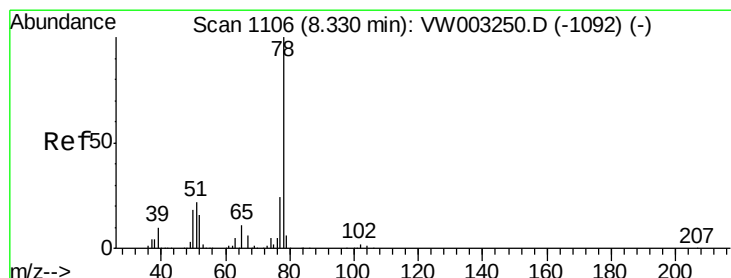
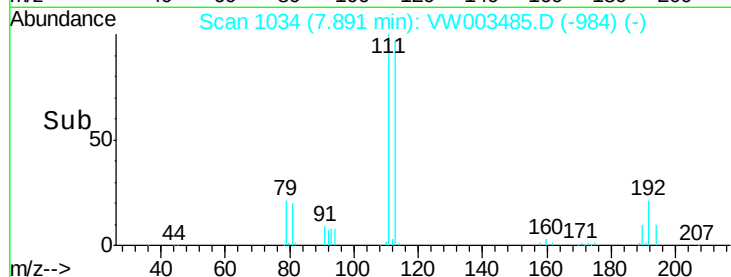
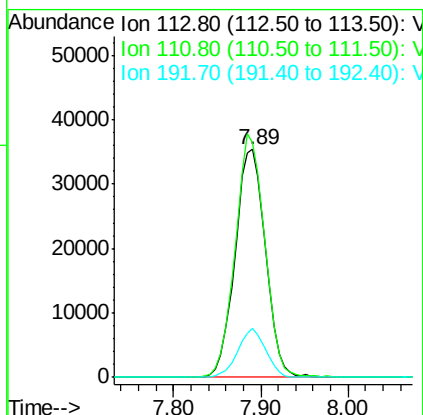
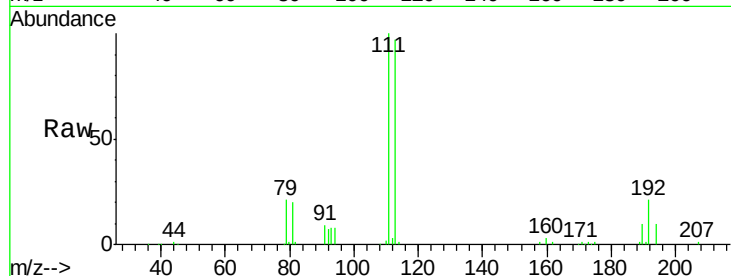




#35
 Dibromofluoromethane
 Concen: 55.67 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW003485.D
 Acq: 24 Jun 2018 03:38

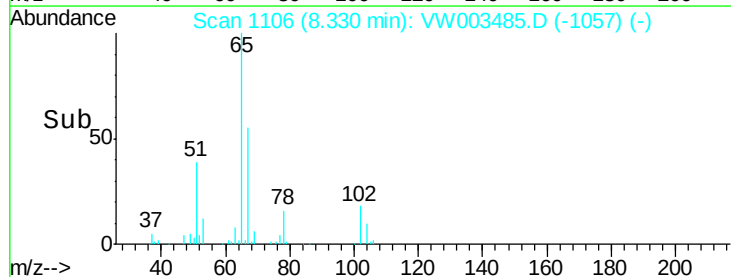
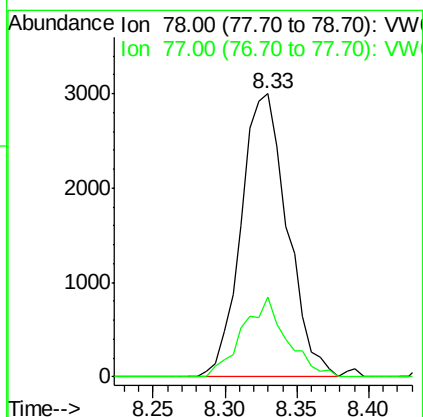
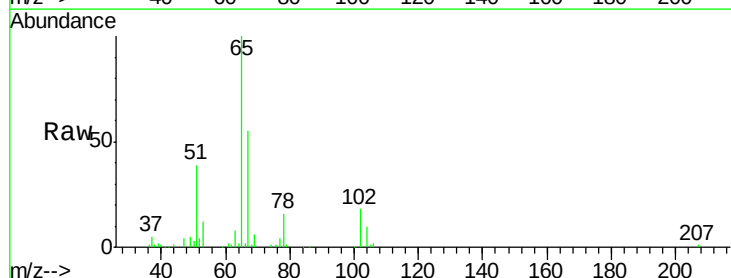
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 WP021SB487-17-19-180621

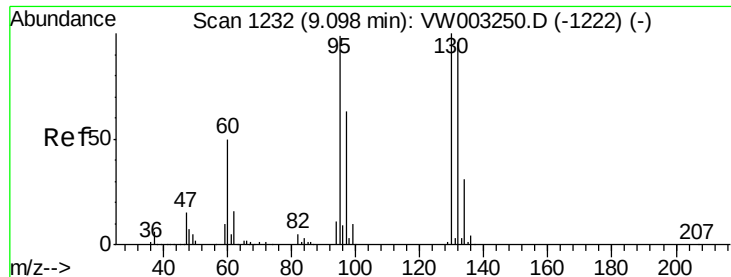
Tot Ion:113 Resp: 85463
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.2 123.2
 192 19.7 16.2 24.2



#40
 Benzene
 Concen: 1.02 ug/l
 RT: 8.33 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VW003485.D
 Acq: 24 Jun 2018 03:38

Tgt Ion: 78 Resp: 6680
 Ion Ratio Lower Upper
 78 100
 77 28.1 19.0 28.6





#44

Trichloroethene

Concen: 1.00 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW003485.D

Acq: 24 Jun 2018 03:38

Instrument :

MSVOA_W

ClientSampleId :

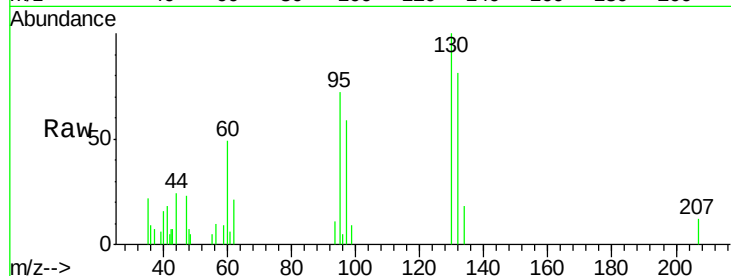
WP021SB487-17-19-180621

Tot Ion:130 Resp: 1751

Ion Ratio Lower Upper

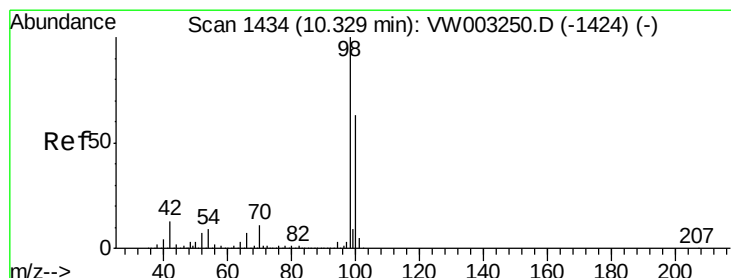
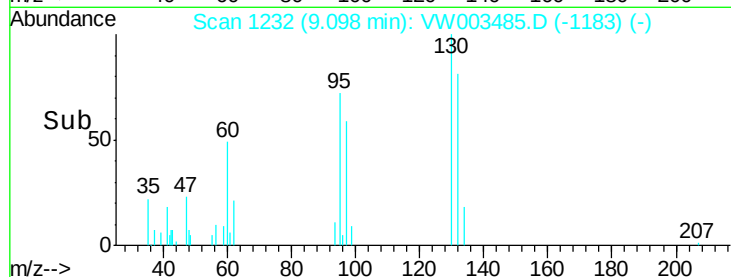
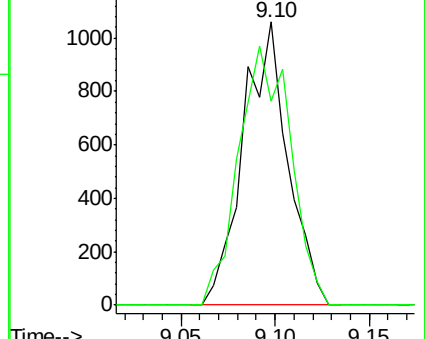
130 100

95 72.2 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#50

Toluene-d8

Concen: 47.11 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003485.D

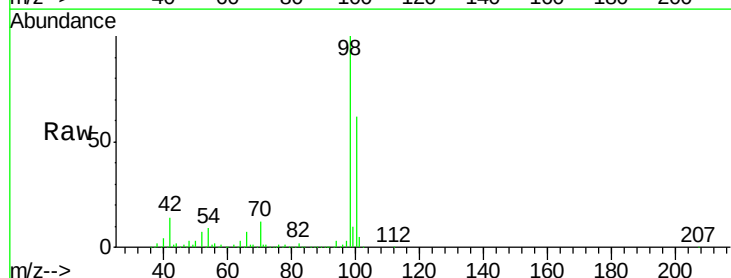
Acq: 24 Jun 2018 03:38

Tgt Ion: 98 Resp: 286750

Ion Ratio Lower Upper

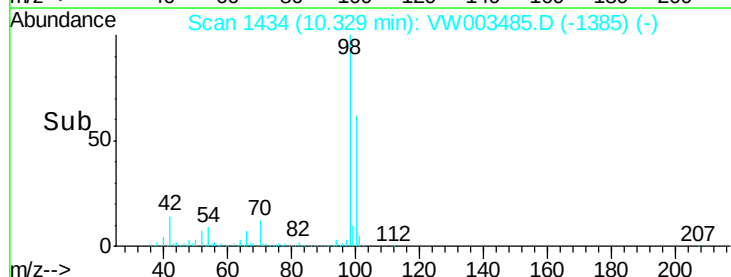
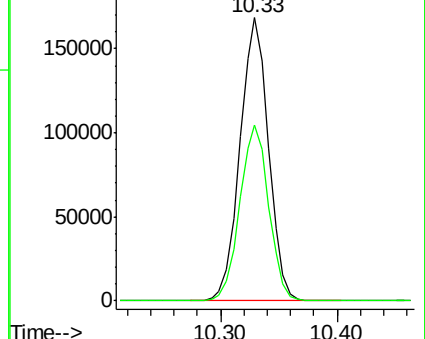
98 100

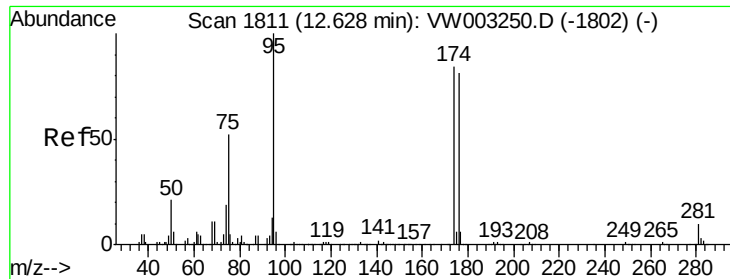
100 62.9 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

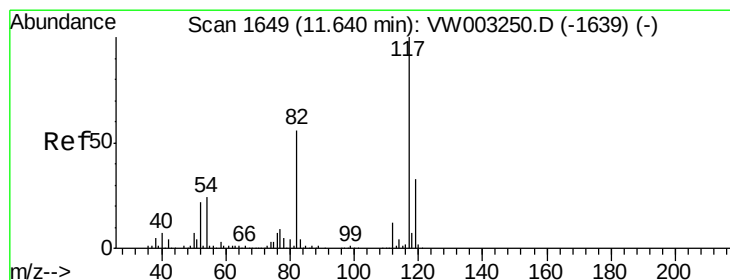
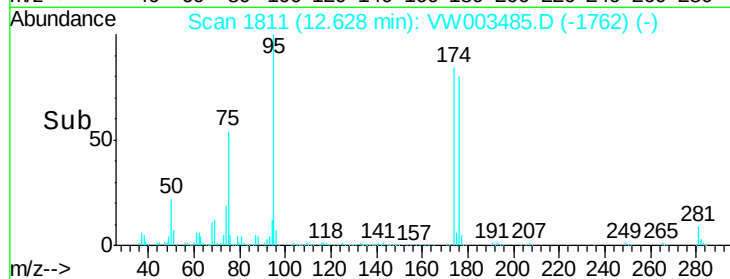
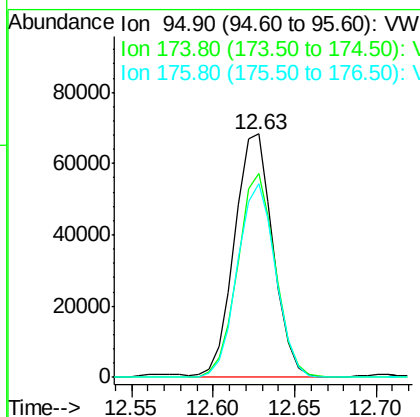
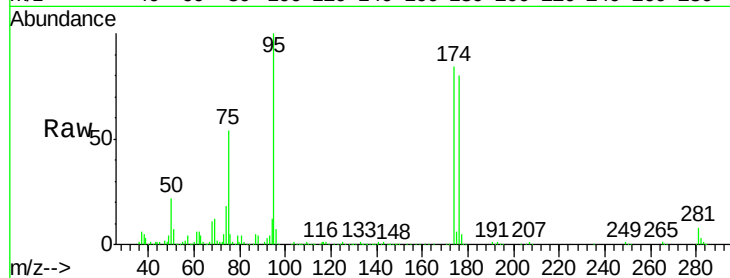




#62
4-Bromofluorobenzene
Concen: 51.93 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW003485.D
Acq: 24 Jun 2018 03:38

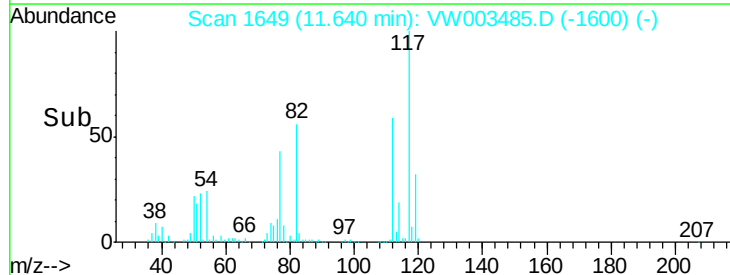
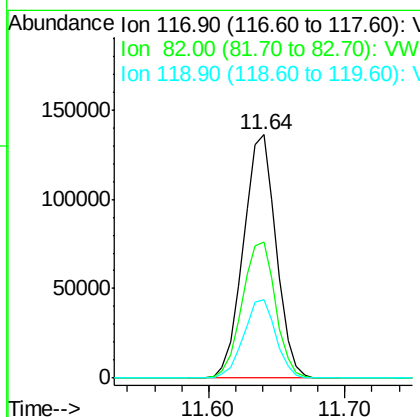
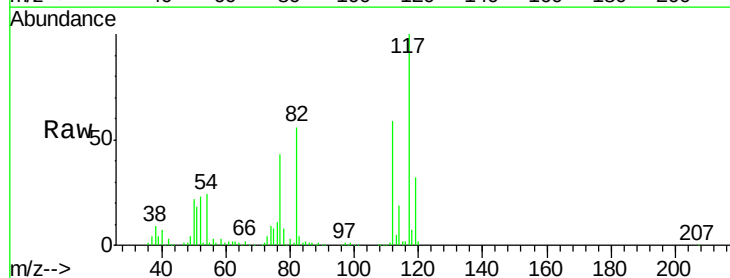
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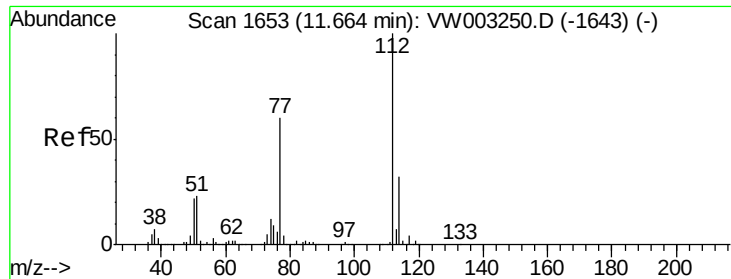
Tot Ion: 95 Resp: 111862
Ion Ratio Lower Upper
95 100
174 82.4 0.0 166.4
176 79.1 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003485.D
Acq: 24 Jun 2018 03:38

Tgt Ion: 117 Resp: 228782
Ion Ratio Lower Upper
117 100
82 55.9 44.6 67.0
119 32.5 26.7 40.1





#65

Chlorobenzene

Concen: 242.90 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003485.D

Acq: 24 Jun 2018 03:38

Instrument :

MSVOA_W

ClientSampleId :

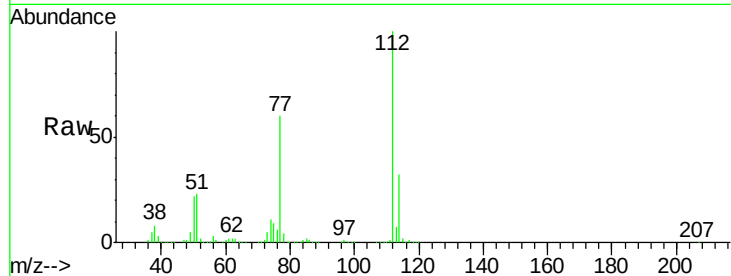
WP021SB487-17-19-180621

Tot Ion:112 Resp: 1157241

Ion Ratio Lower Upper

112 100

114 32.4 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

800000

600000

400000

200000

0

11.66

11.67

11.68

11.69

11.70

11.71

11.72

11.73

11.74

11.75

11.76

11.77

11.78

11.79

11.80

11.81

11.82

11.83

11.84

11.85

11.86

11.87

11.88

11.89

11.90

11.91

11.92

11.93

11.94

11.95

11.96

11.97

11.98

11.99

12.00

12.01

12.02

12.03

12.04

12.05

12.06

12.07

12.08

12.09

12.10

12.11

12.12

12.13

12.14

12.15

12.16

12.17

12.18

12.19

12.20

12.21

12.22

12.23

12.24

12.25

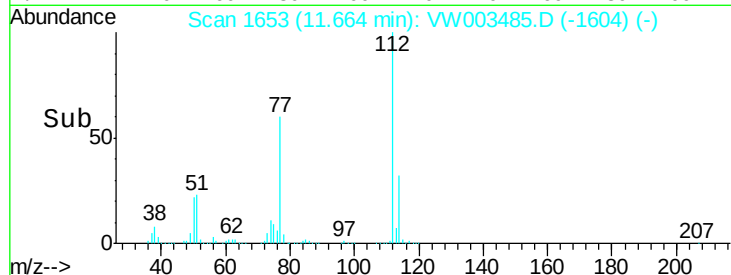
12.26

12.27

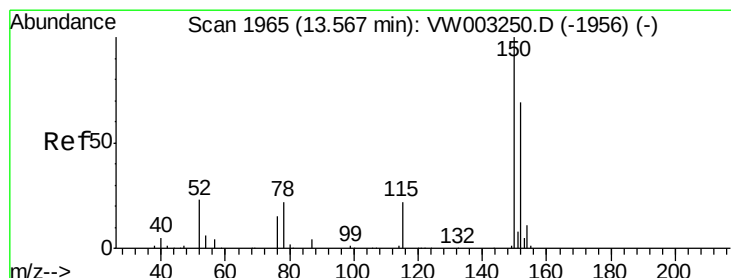
12.28

12.29

12.30



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003485.D

Acq: 24 Jun 2018 03:38

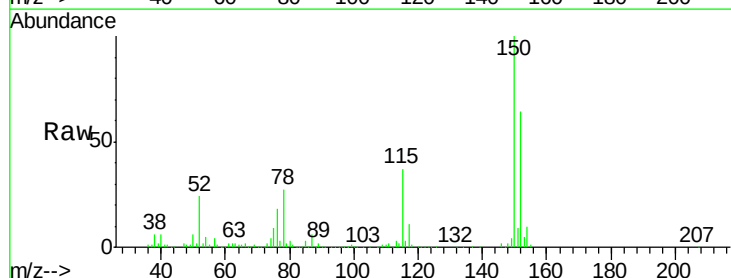
Tgt Ion:152 Resp: 117456

Ion Ratio Lower Upper

152 100

115 58.5 29.3 88.0

150 157.4 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

150000

100000

50000

0

13.57

13.58

13.59

13.60

13.61

13.62

13.63

13.64

13.65

13.66

13.67

13.68

13.69

13.70

13.71

13.72

13.73

13.74

13.75

13.76

13.77

13.78

13.79

13.80

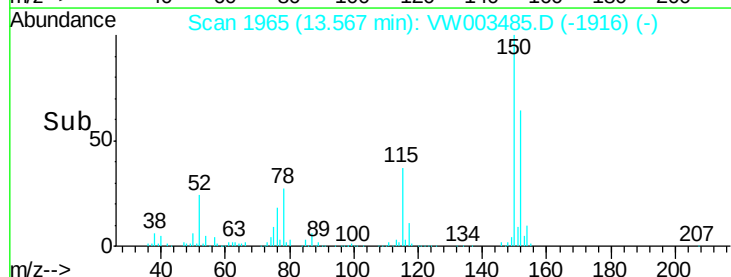
13.81

13.82

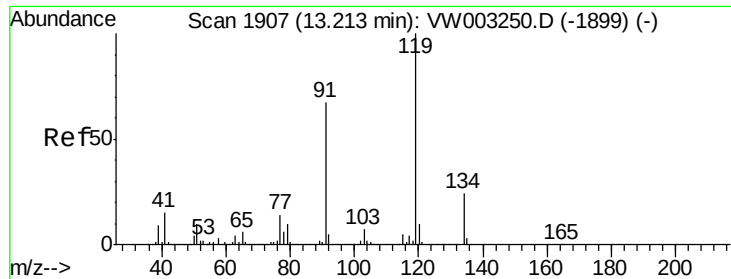
13.83

13.84

13.85



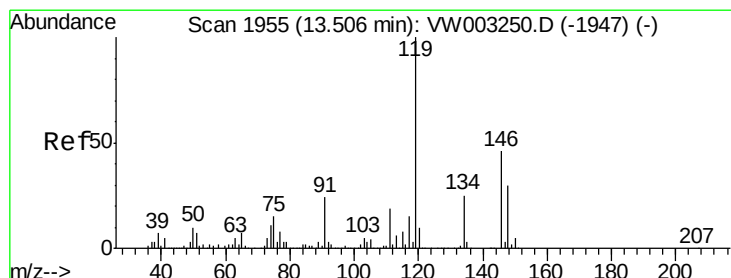
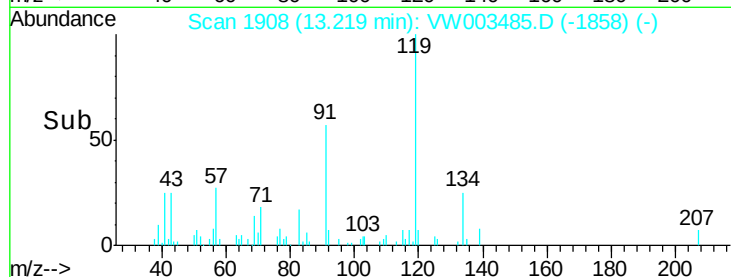
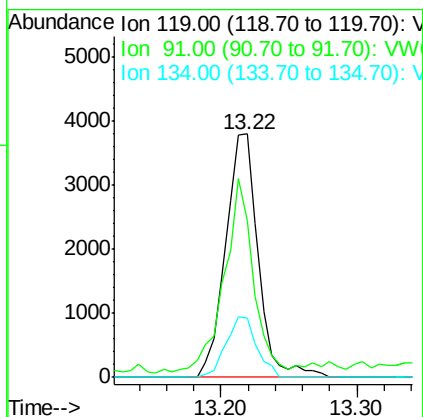
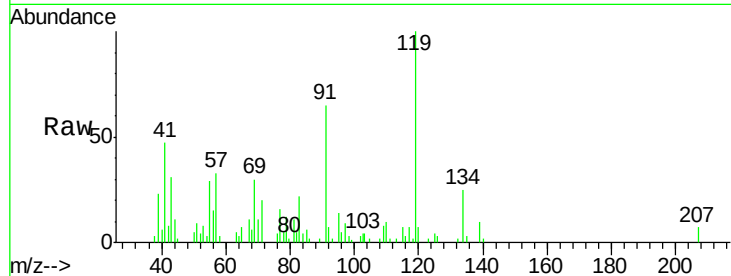
Time-->



#83
tert-Butylbenzene
Concen: 1.08 ug/l
RT: 13.22 min Scan# 1908
Delta R.T. 0.01 min
Lab File: VW003485.D
Acq: 24 Jun 2018 03:38

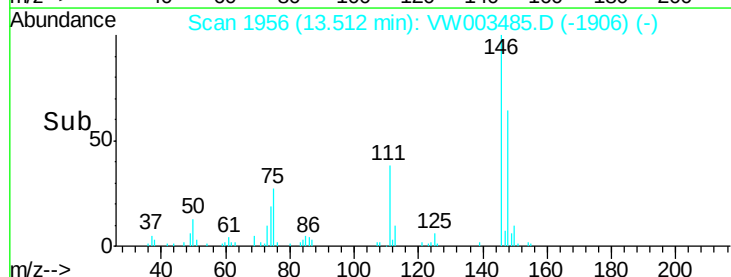
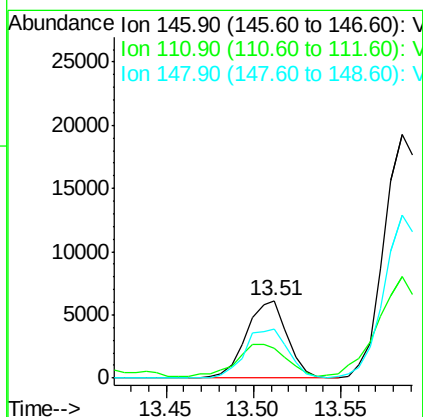
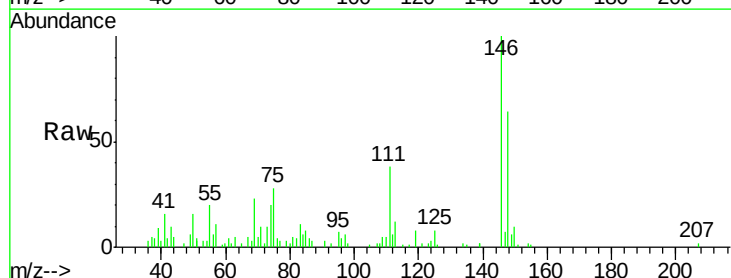
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-17-19-180621

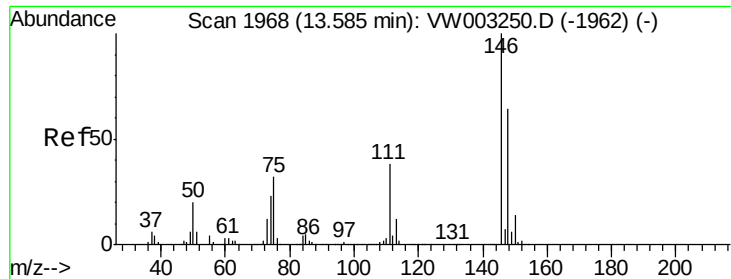
Tot Ion:119 Resp: 6323
Ion Ratio Lower Upper
119 100
91 71.8 33.9 101.7
134 23.4 13.4 40.1



#87
1,3-Dichlorobenzene
Concen: 2.54 ug/l
RT: 13.51 min Scan# 1956
Delta R.T. 0.01 min
Lab File: VW003485.D
Acq: 24 Jun 2018 03:38

Tgt Ion:146 Resp: 9936
Ion Ratio Lower Upper
146 100
111 49.3 19.8 59.4
148 67.5 32.1 96.5

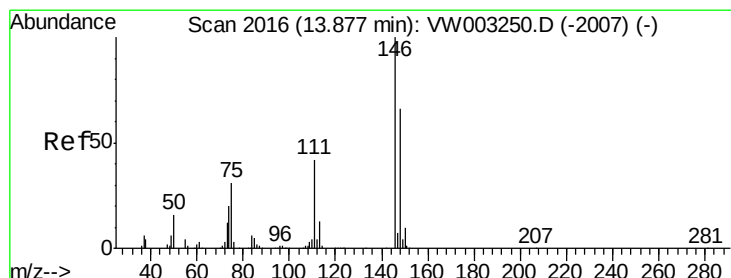
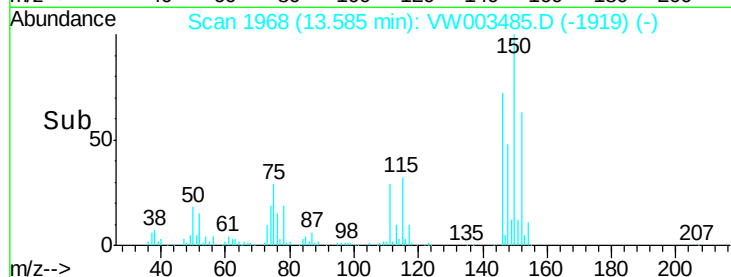
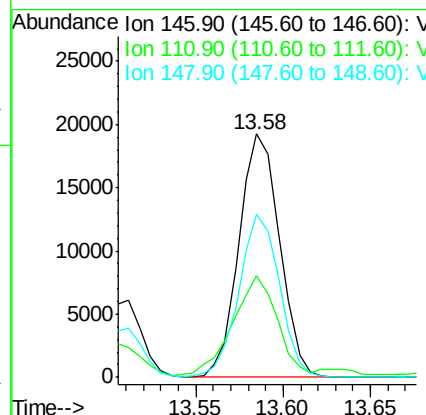
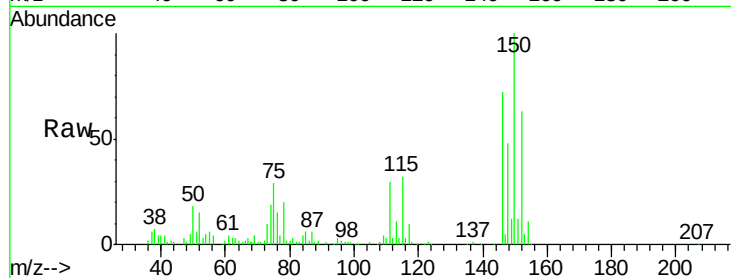




#88
 1,4-Dichlorobenzene
 Concen: 8.02 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003485.D
 Acq: 24 Jun 2018 03:38

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-17-19-180621

Tot Ion:146 Resp: 31158
 Ion Ratio Lower Upper
 146 100
 111 44.0 19.2 57.6
 148 67.2 31.8 95.4



#91
 1,2-Dichlorobenzene
 Concen: 19.59 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003485.D
 Acq: 24 Jun 2018 03:38

Tgt Ion:146 Resp: 67081
 Ion Ratio Lower Upper
 146 100
 111 43.5 20.3 61.0
 148 64.4 32.3 96.9

