

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062318\
 Data File : VW003486.D
 Acq On : 24 Jun 2018 04:04
 Operator : SY/AP
 Sample : J3670-06
 Misc : 5.14G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-19-21-180621

Quant Time: Jun 25 02:45:31 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	174695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	280333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	254252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	129745	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	98009	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
35) Dibromofluoromethane	7.89	113	85076	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
50) Toluene-d8	10.33	98	297477	43.07	ug/l	0.00
Spiked Amount			Recovery	=	86.14%	
62) 4-Bromofluorobenzene	12.63	95	114395	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	

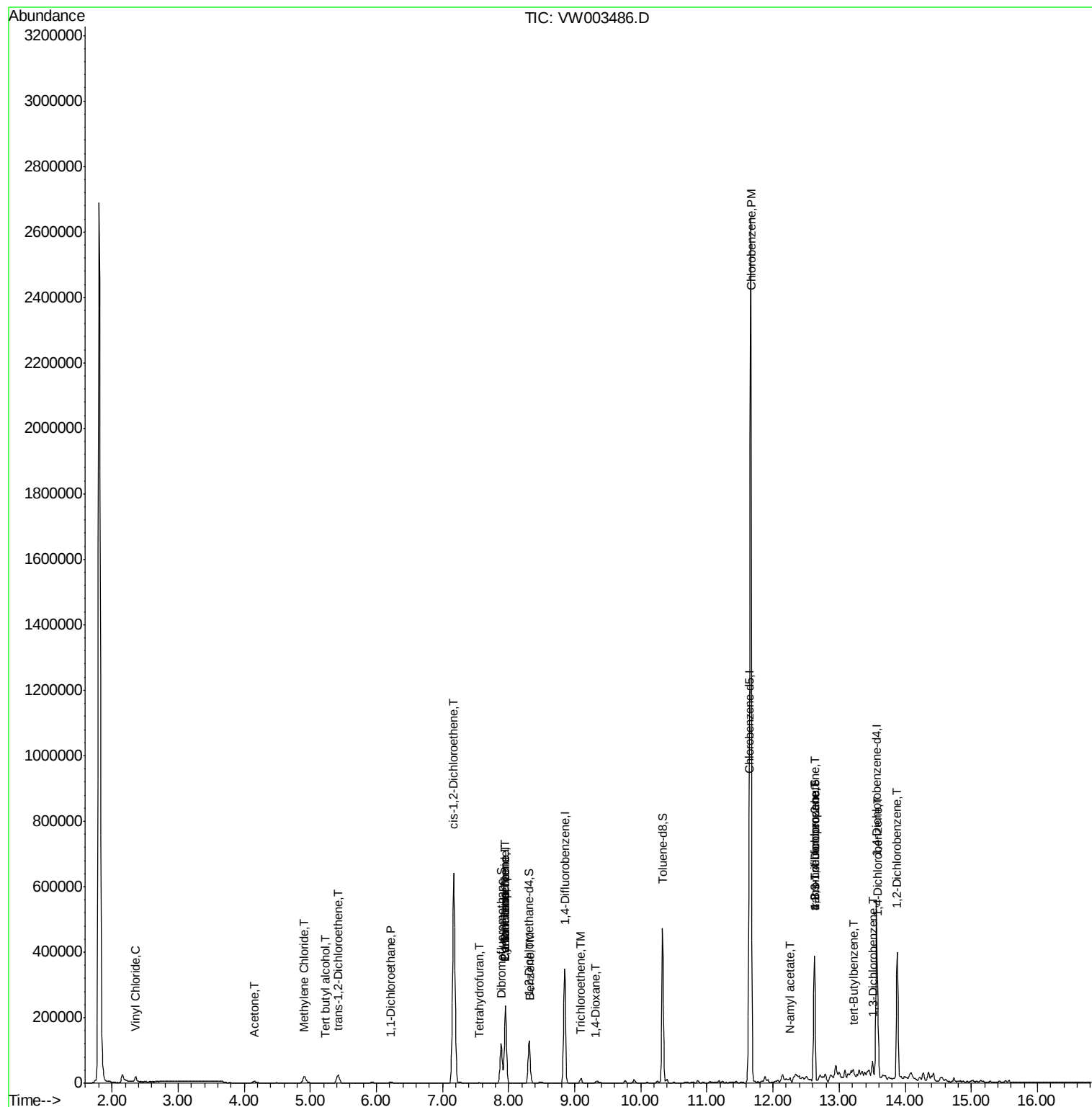
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	17203	8.843	ug/l	96
11) Tert butyl alcohol	5.24	59	306	3.015	ug/l #	84
16) Acetone	4.15	43	9475	23.875	ug/l	94
20) Methylene Chloride	4.90	84	14563	5.361	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	14685	8.532	ug/l	95
24) 1,1-Dichloroethane	6.22	63	5069	1.549	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	365000	193.053	ug/l	93
29) Tetrahydrofuran	7.55	42	429	1.422	ug/l	96
31) Cyclohexane	7.95	56	4517	1.477	ug/l #	38
36) 1,1-Dichloropropene	7.95	75	14380	5.312	ug/l #	50
38) Carbon Tetrachloride	7.95	117	17903	6.742	ug/l #	17
40) Benzene	8.32	78	12226	1.638	ug/l	94
44) Trichloroethene	9.10	130	4391	2.221	ug/l	89
49) 1,4-Dioxane	9.31	88	21	1.430	ug/l #	1
65) Chlorobenzene	11.66	112	1341351	253.344	ug/l	99
74) N-amyl acetate	12.26	43	2846	1.386	ug/l #	45
76) 1,2,3-Trichloropropane	12.63	75	62434	56.289	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	62434	129.524	ug/l #	9
83) tert-Butylbenzene	13.21	119	8281	1.283	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	15972	3.699	ug/l	90
88) 1,4-Dichlorobenzene	13.59	146	54394	12.673	ug/l	94
91) 1,2-Dichlorobenzene	13.88	146	134950	35.683	ug/l	98

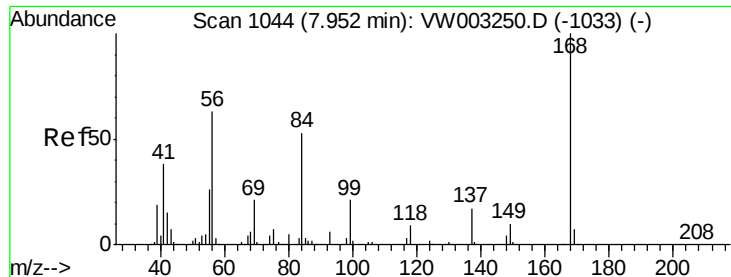
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW062318\
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Misc : 5.14G/5ML/MSVOA_W/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003486.D

Acq: 24 Jun 2018 04:04

Instrument :

MSVOA_W

ClientSampleId :

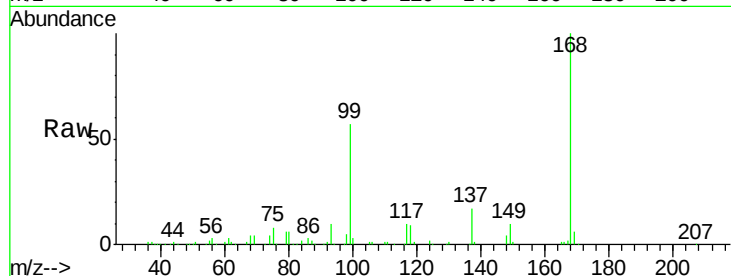
WP021SB487-19-21-180621

Tgt Ion: 168 Resp: 174695

Ion Ratio Lower Upper

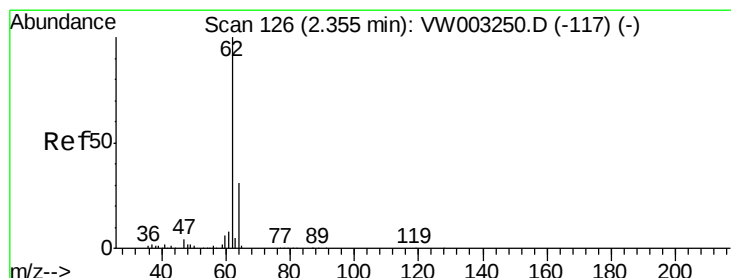
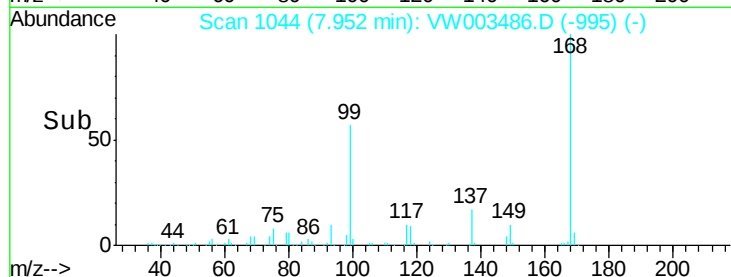
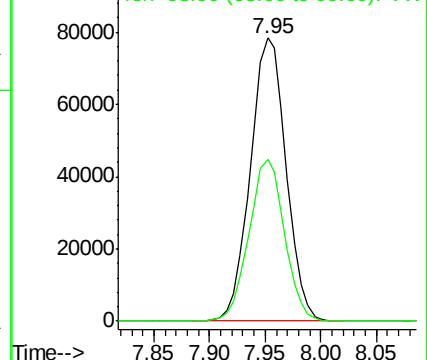
168 100

99 57.3 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: 8.843 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003486.D

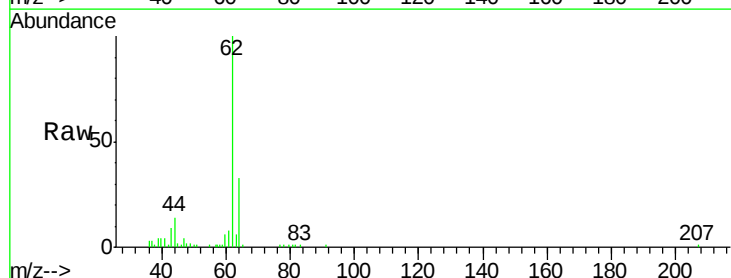
Acq: 24 Jun 2018 04:04

Tgt Ion: 62 Resp: 17203

Ion Ratio Lower Upper

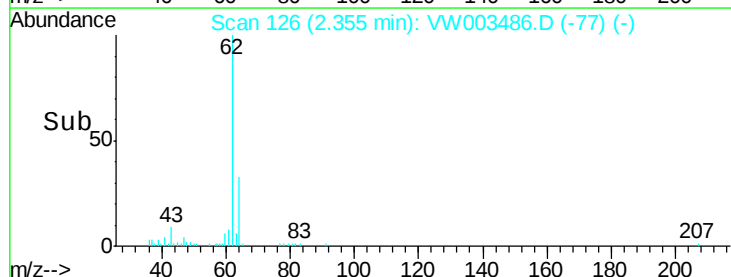
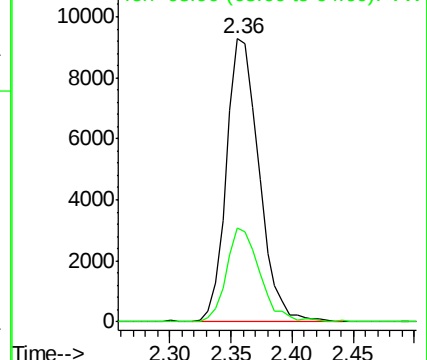
62 100

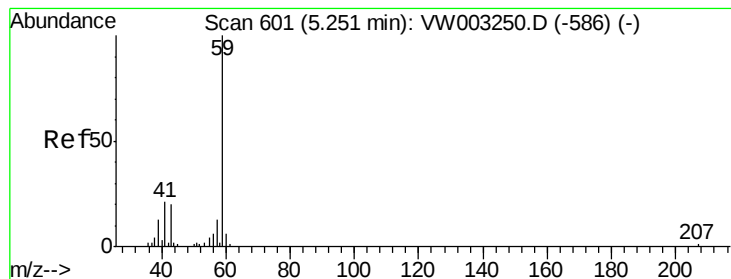
64 33.2 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW



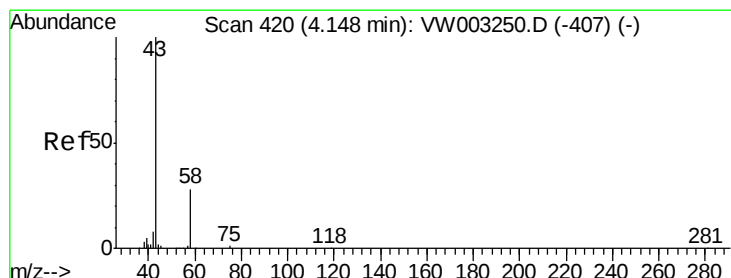
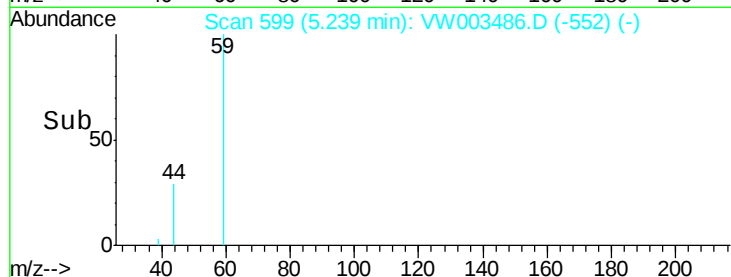
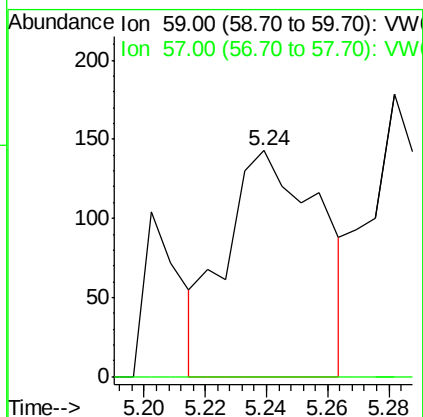
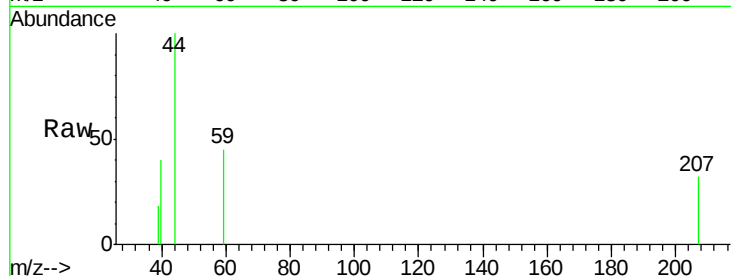


#11

Tert butyl alcohol
Concen: 3.015 ug/l
RT: 5.24 min Scan# 599
Delta R.T. -0.01 min
Lab File: VW003486.D
Acq: 24 Jun 2018 04:04

Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-19-21-180621

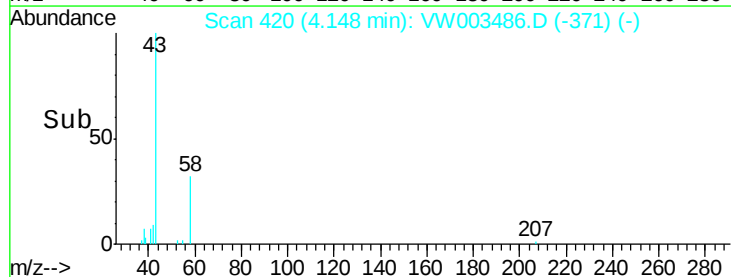
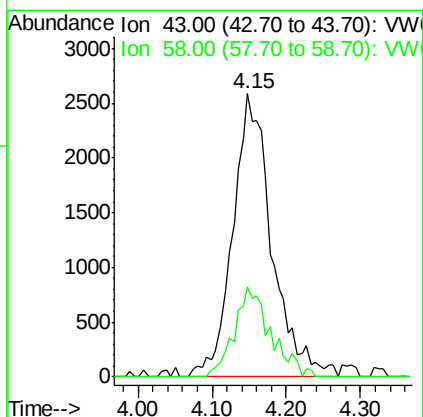
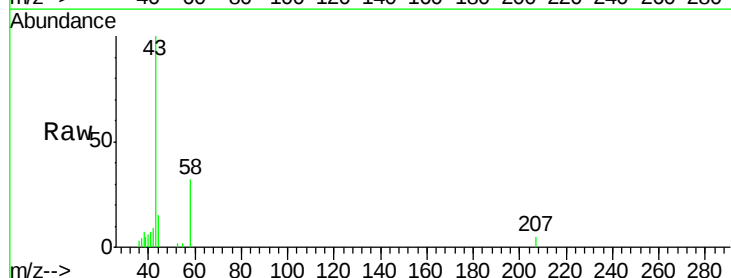
Tgt Ion: 59 Resp: 306
Ion Ratio Lower Upper
59 100
57 0.0 4.2 6.2#

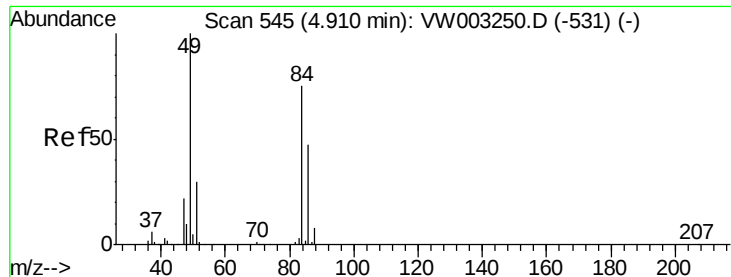


#16

Acetone
Concen: 23.875 ug/l
RT: 4.15 min Scan# 420
Delta R.T. 0.00 min
Lab File: VW003486.D
Acq: 24 Jun 2018 04:04

Tgt Ion: 43 Resp: 9475
Ion Ratio Lower Upper
43 100
58 31.7 22.6 34.0

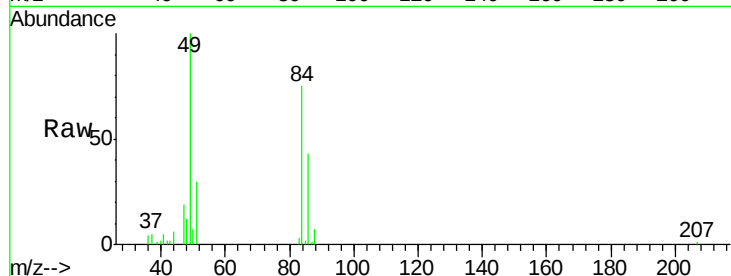




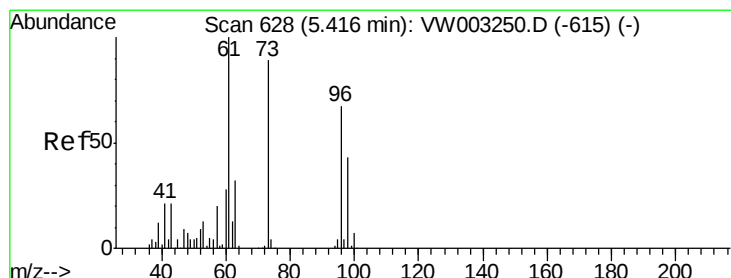
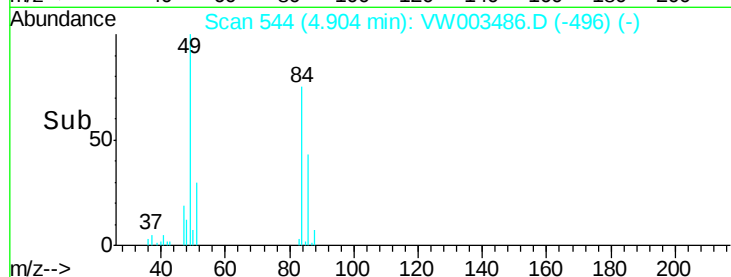
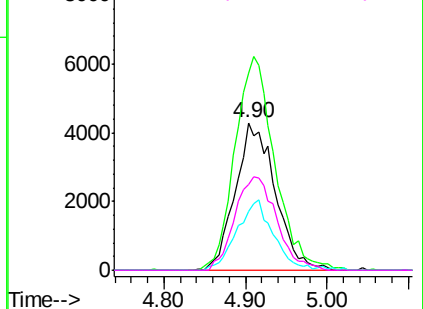
#20
Methylene Chloride
Concen: 5.361 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003486.D
Acq: 24 Jun 2018 04:04

Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-19-21-180621

Tgt Ion: 84 Resp: 14563
Ion Ratio Lower Upper
84 100
49 133.7 106.3 159.5
51 40.1 32.0 48.0
86 57.9 49.9 74.9

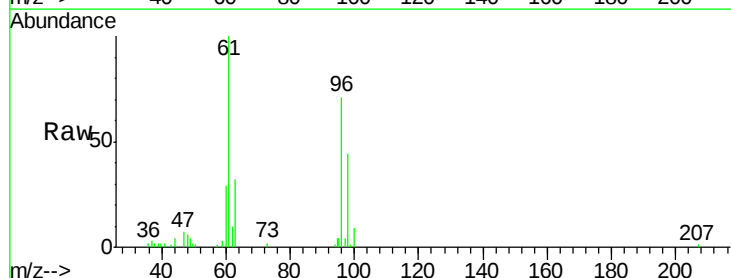


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

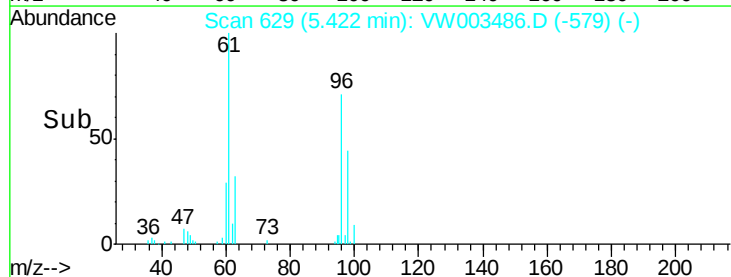
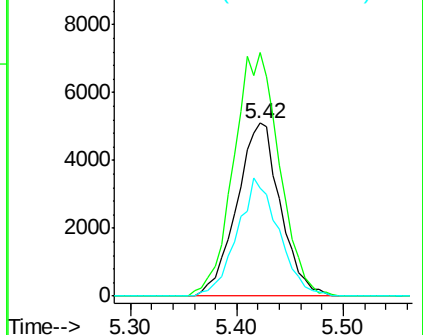


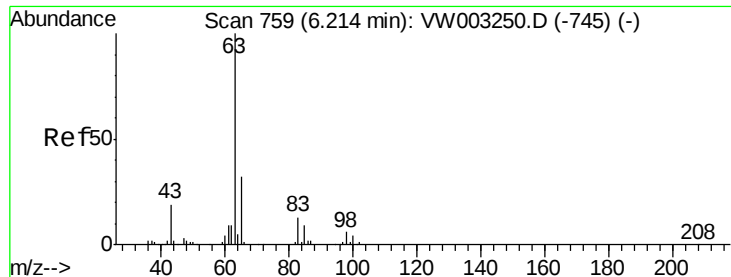
#21
trans-1,2-Dichloroethene
Concen: 8.532 ug/l
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW003486.D
Acq: 24 Jun 2018 04:04

Tgt Ion: 96 Resp: 14685
Ion Ratio Lower Upper
96 100
61 140.6 118.7 178.1
98 62.1 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





#24

1,1-Dichloroethane

Concen: 1.549 ug/l

RT: 6.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VW003486.D

Acq: 24 Jun 2018 04:04

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-19-21-180621

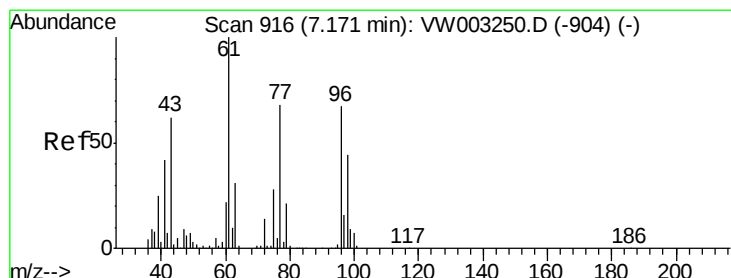
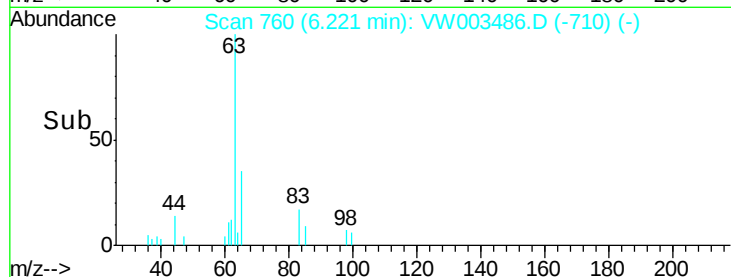
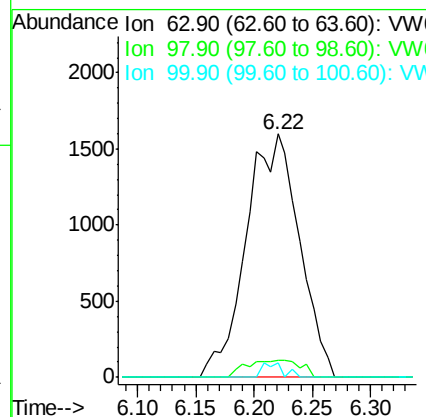
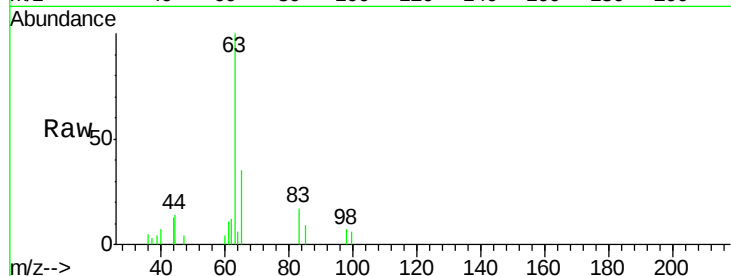
Tgt Ion: 63 Resp: 5069

Ion Ratio Lower Upper

63 100

98 6.9 2.8 8.3

100 5.9 2.1 6.5



#27

cis-1,2-Dichloroethene

Concen: 193.053 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW003486.D

Acq: 24 Jun 2018 04:04

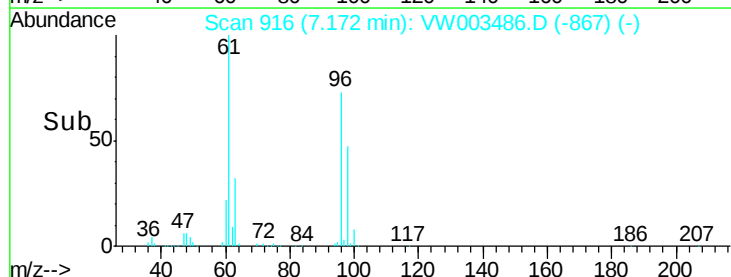
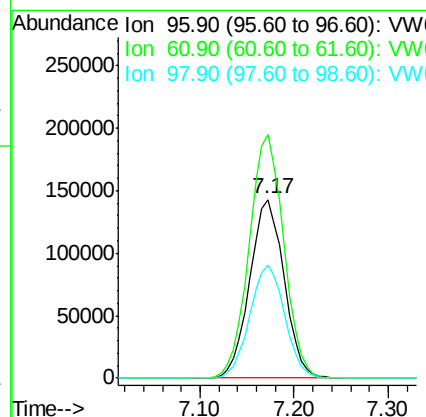
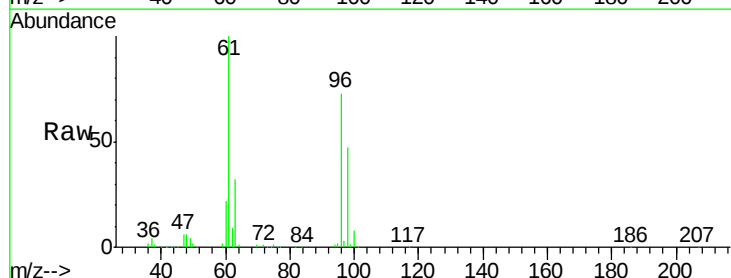
Tgt Ion: 96 Resp: 365000

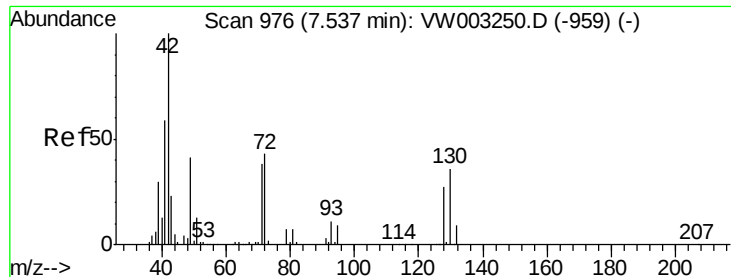
Ion Ratio Lower Upper

96 100

61 137.2 0.0 298.8

98 64.3 0.0 130.4

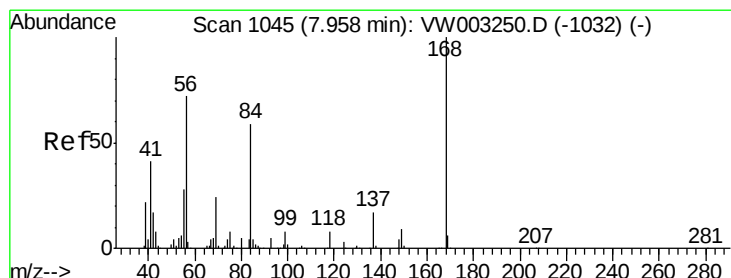
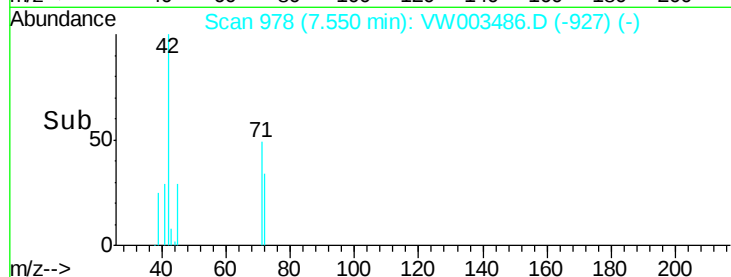
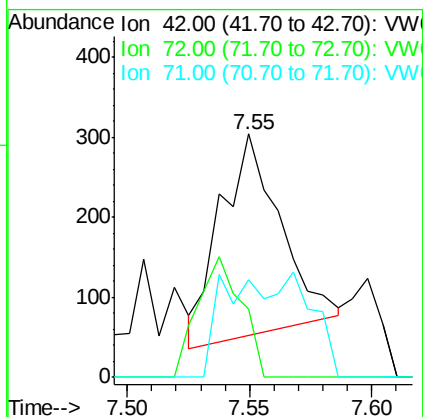
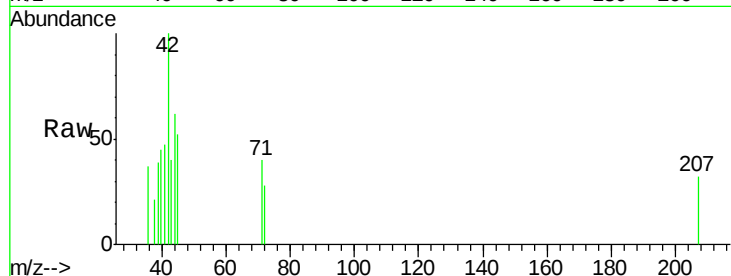




#29
Tetrahydrofuran
Concen: 1.422 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.01 min
Lab File: VW003486.D
Acq: 24 Jun 2018 04:04

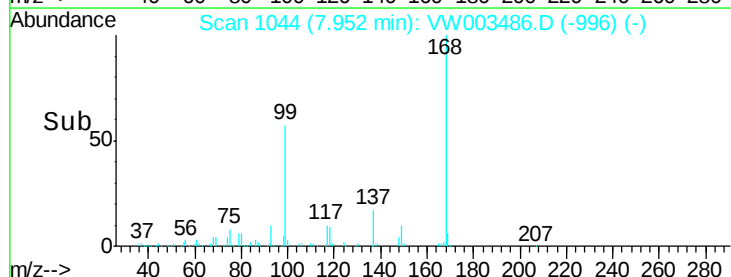
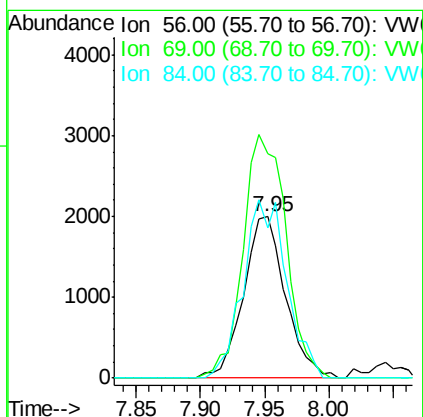
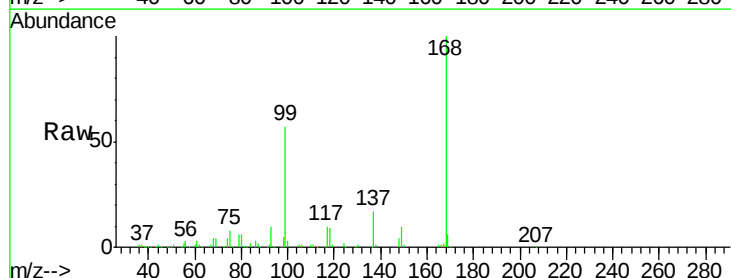
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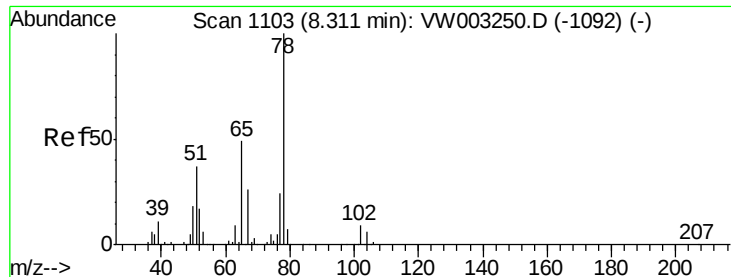
Tgt Ion: 42 Resp: 429
Ion Ratio Lower Upper
42 100
72 43.6 32.4 48.6
71 37.5 31.2 46.8



#31
Cyclohexane
Concen: 1.477 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003486.D
Acq: 24 Jun 2018 04:04

Tgt Ion: 56 Resp: 4517
Ion Ratio Lower Upper
56 100
69 139.0 26.3 39.5#
84 92.8 65.7 98.5

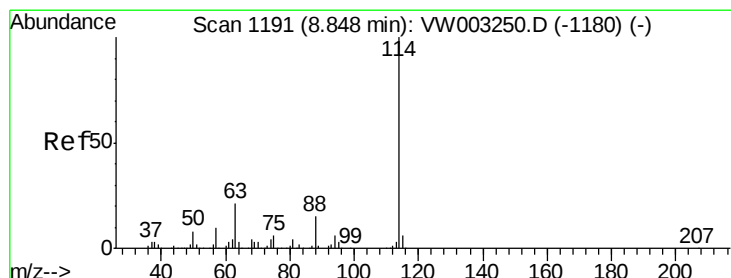
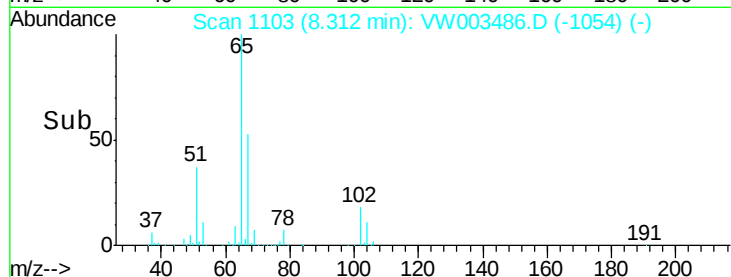
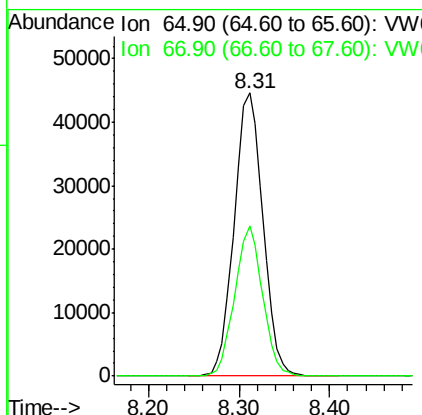
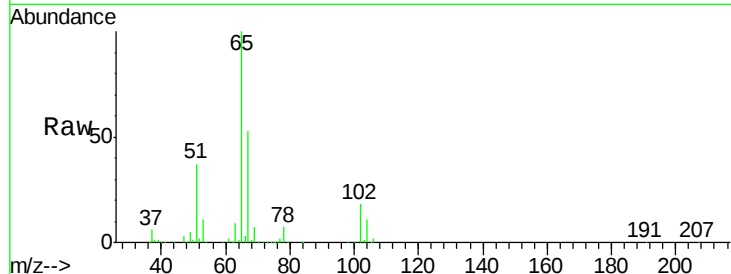




#33
 1,2-Dichloroethane-d4
 Concen: 51.796 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003486.D
 Acq: 24 Jun 2018 04:04

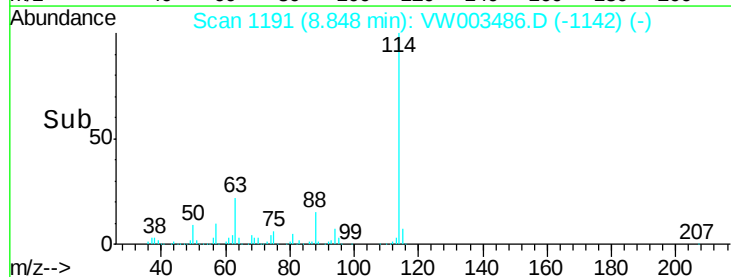
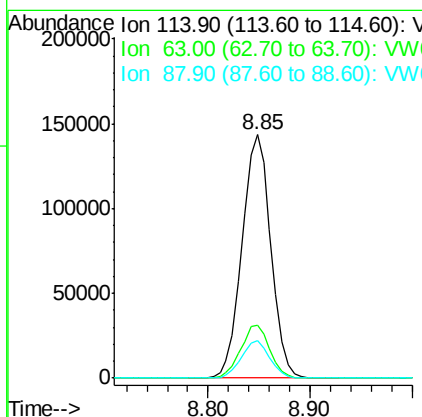
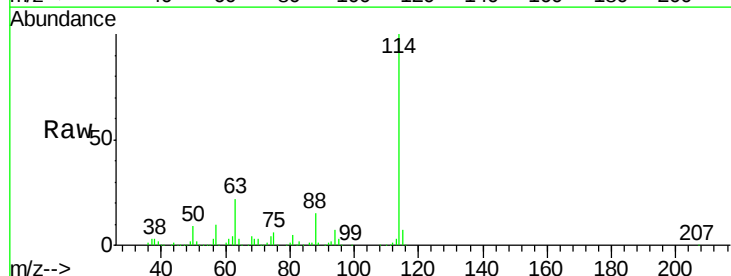
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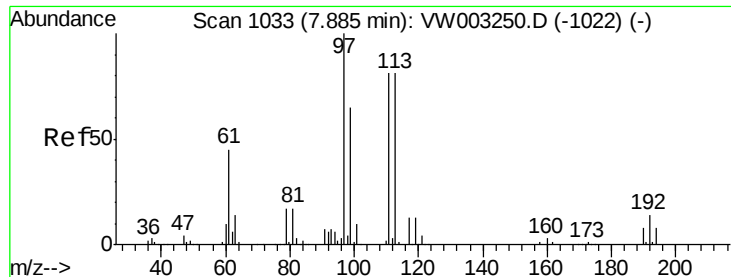
Tgt Ion: 65 Resp: 98009
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003486.D
 Acq: 24 Jun 2018 04:04

Tgt Ion: 114 Resp: 280333
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.0
 88 15.2 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.841 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW003486.D

Acq: 24 Jun 2018 04:04

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-19-21-180621

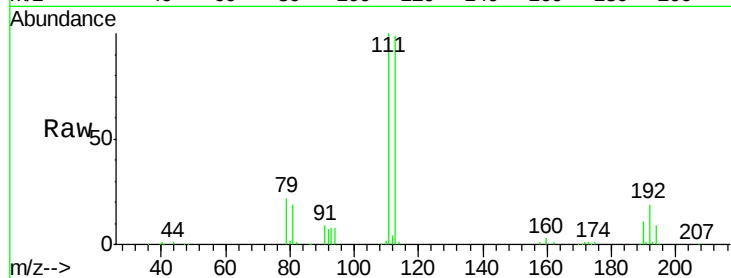
Tgt Ion:113 Resp: 85076

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

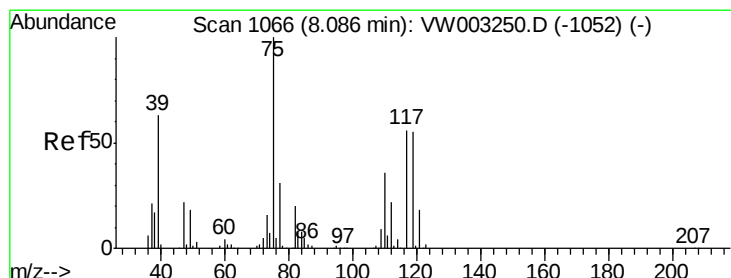
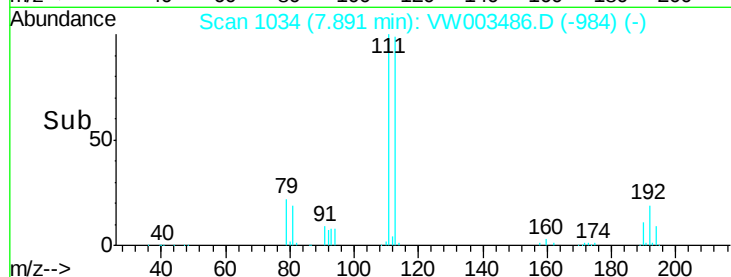
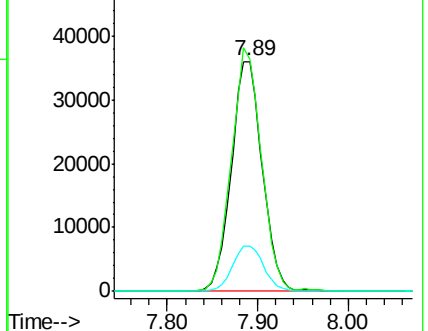
192 19.8 16.2 24.2



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



#36

1,1-Dichloropropene

Concen: 5.312 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.14 min

Lab File: VW003486.D

Acq: 24 Jun 2018 04:04

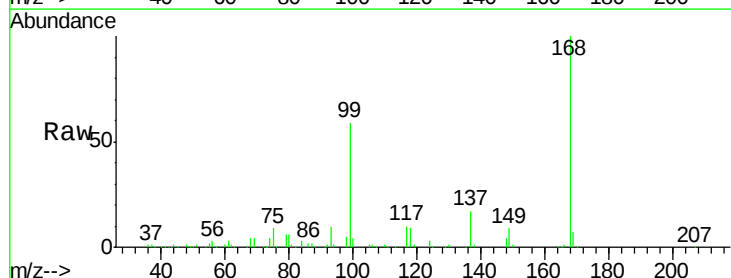
Tgt Ion: 75 Resp: 14380

Ion Ratio Lower Upper

75 100

110 9.0 17.1 51.3#

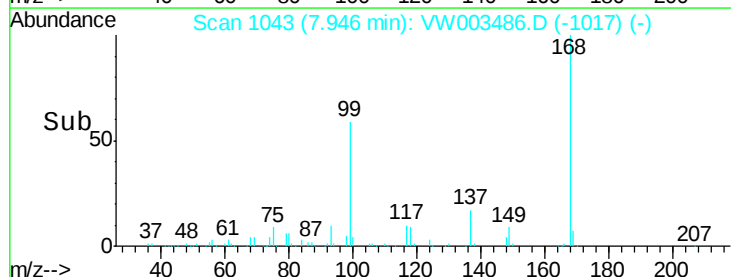
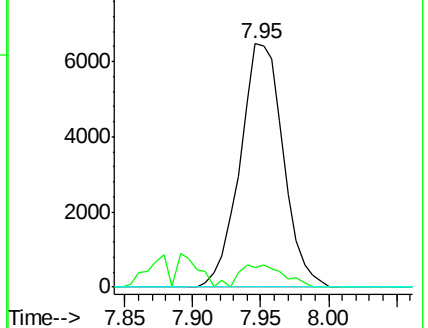
77 0.0 24.9 37.3#

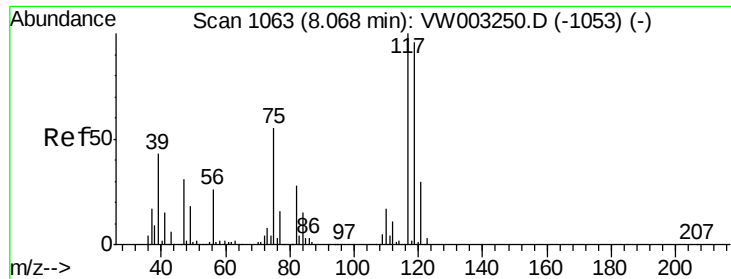


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.742 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003486.D

Acq: 24 Jun 2018 04:04

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-19-21-180621

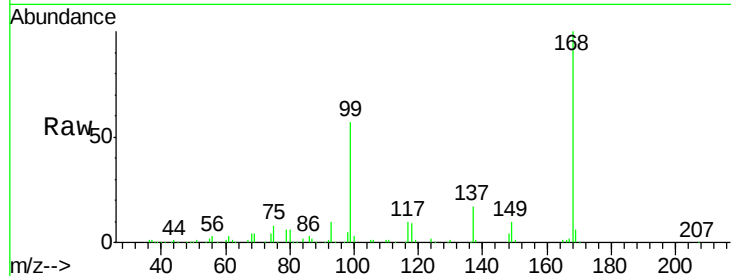
Tgt Ion:117 Resp: 17903

Ion Ratio Lower Upper

117 100

119 6.8 76.6 115.0#

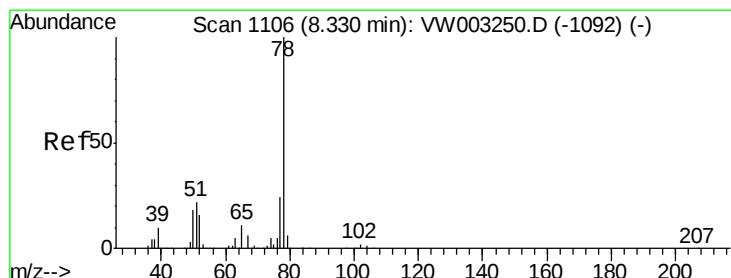
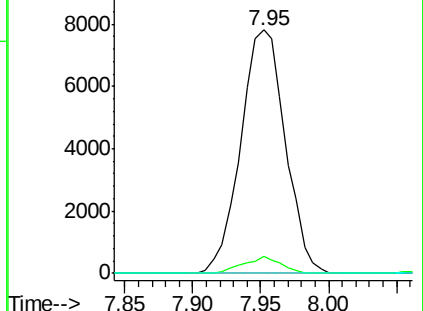
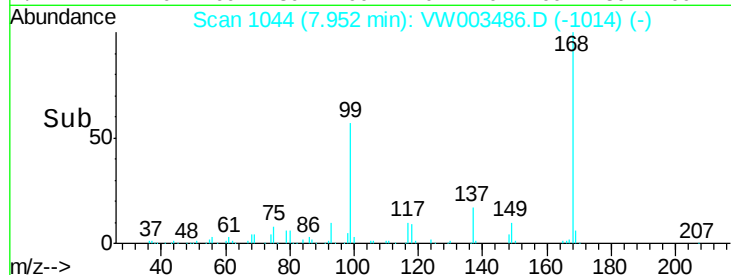
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Benzene

Concen: 1.638 ug/l

RT: 8.32 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VW003486.D

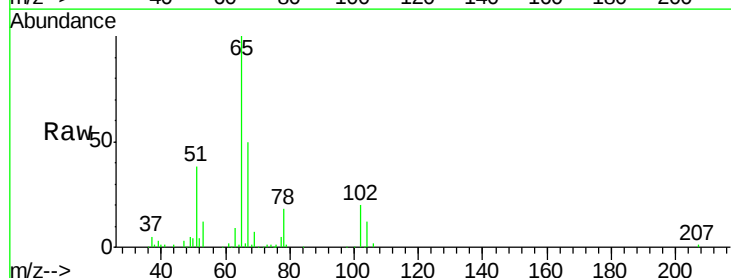
Acq: 24 Jun 2018 04:04

Tgt Ion: 78 Resp: 12226

Ion Ratio Lower Upper

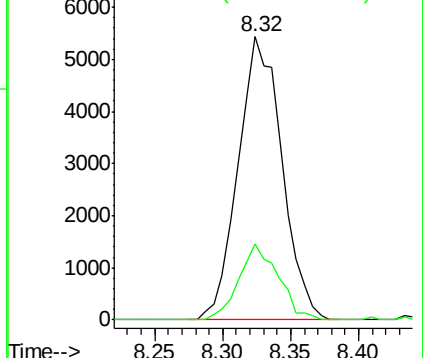
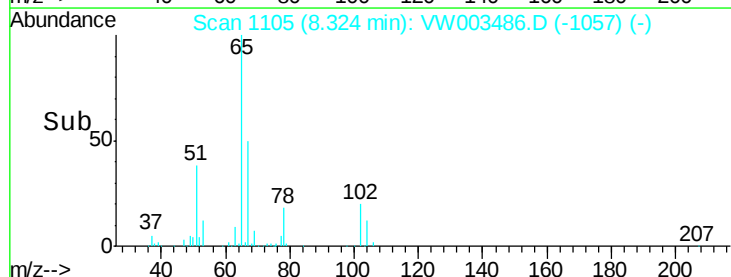
78 100

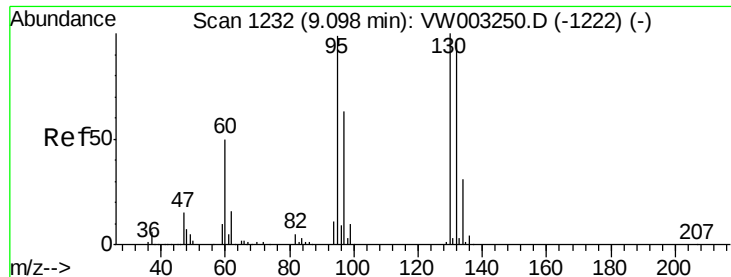
77 26.7 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

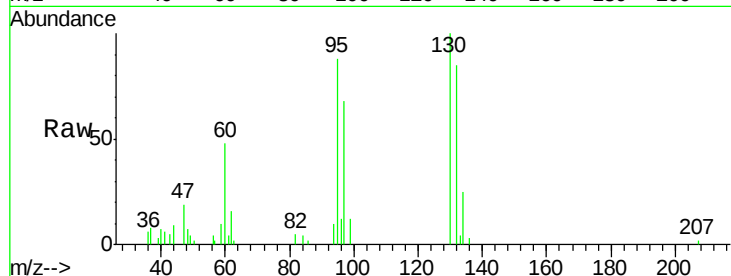




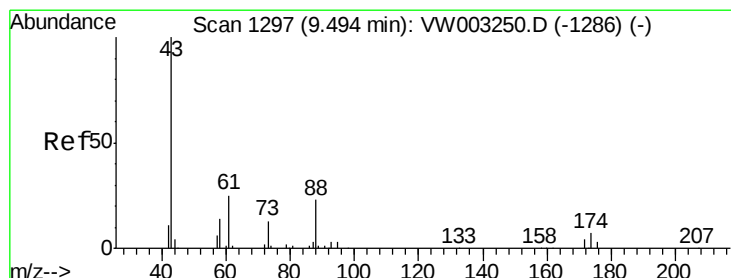
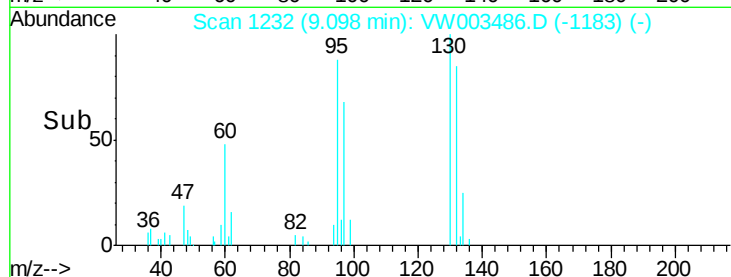
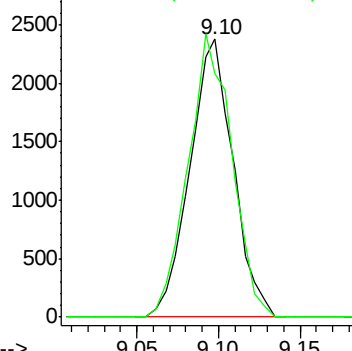
#44
 Trichloroethene
 Concen: 2.221 ug/l
 RT: 9.10 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VW003486.D
 Acq: 24 Jun 2018 04:04

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-19-21-180621

Tgt Ion:130 Resp: 4391
 Ion Ratio Lower Upper
 130 100
 95 87.8 0.0 198.0

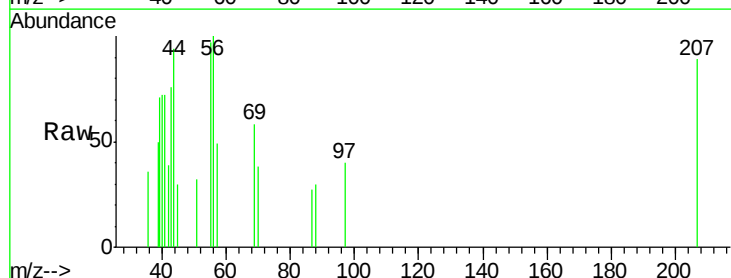


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VW

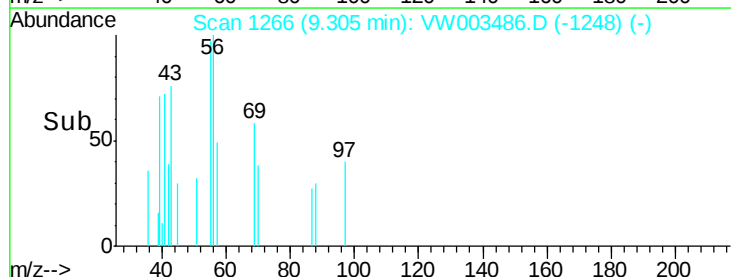
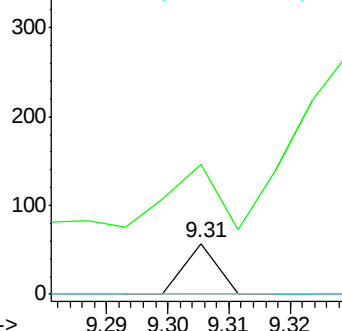


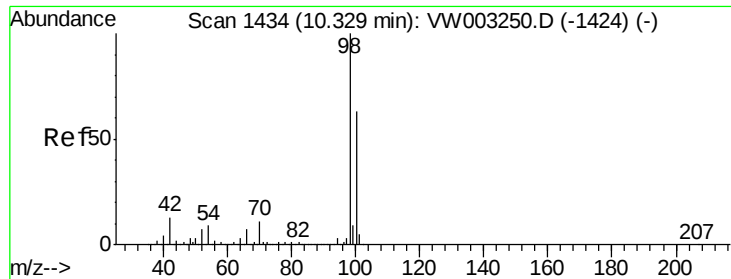
#49
 1,4-Dioxane
 Concen: 1.430 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. -0.19 min
 Lab File: VW003486.D
 Acq: 24 Jun 2018 04:04

Tgt Ion: 88 Resp: 21
 Ion Ratio Lower Upper
 88 100
 43 0.0 454.7 682.1#
 58 0.0 58.6 88.0#



Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 43.069 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003486.D

Acq: 24 Jun 2018 04:04

Instrument :

MSVOA_W

ClientSampleId :

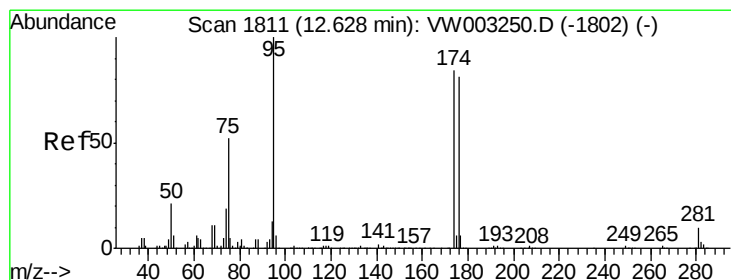
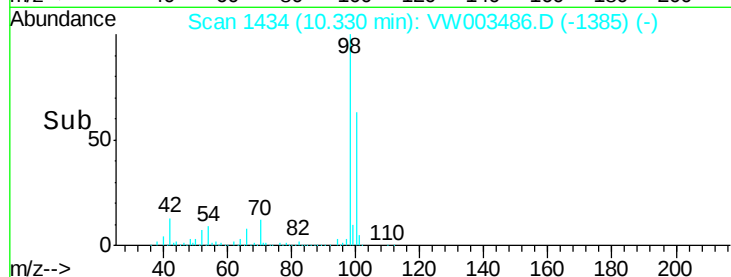
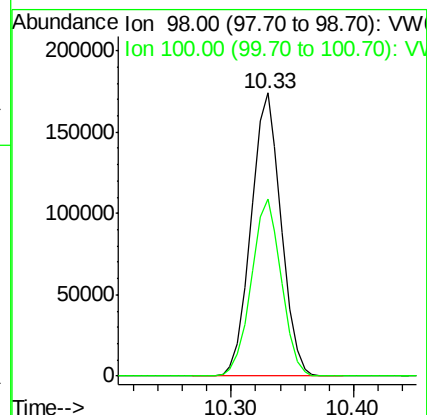
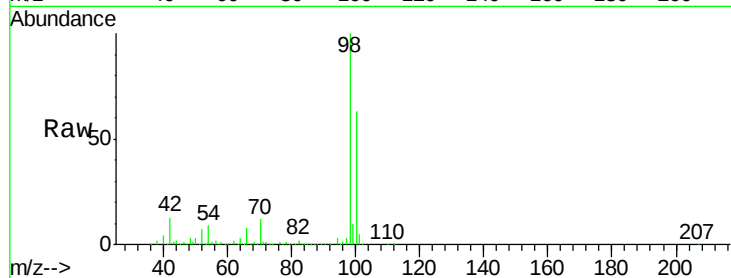
WP021SB487-19-21-180621

Tgt Ion: 98 Resp: 297477

Ion Ratio Lower Upper

98 100

100 62.3 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 46.800 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW003486.D

Acq: 24 Jun 2018 04:04

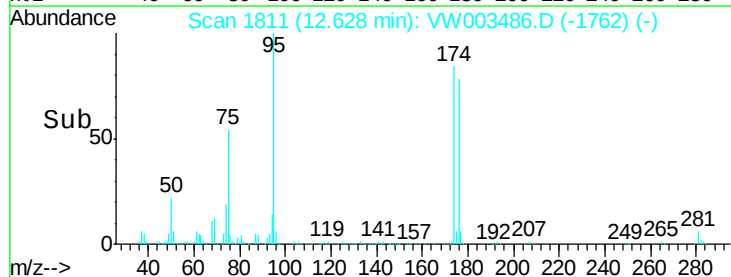
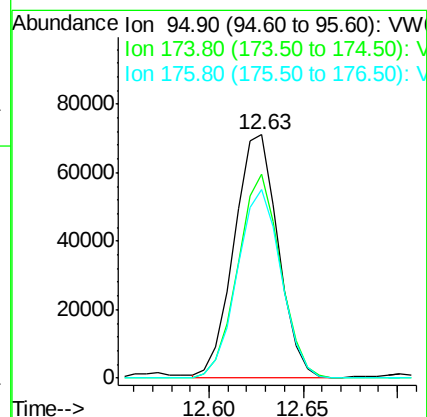
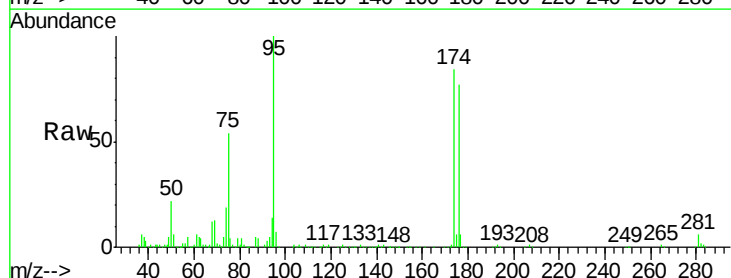
Tgt Ion: 95 Resp: 114395

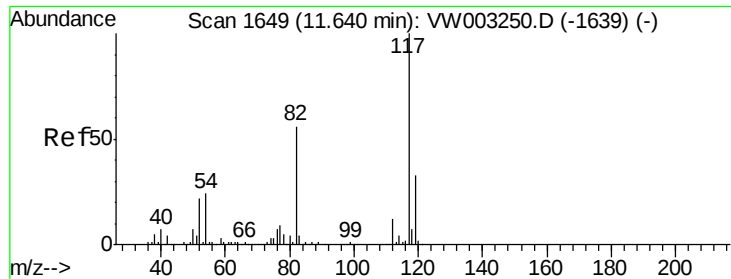
Ion Ratio Lower Upper

95 100

174 81.7 0.0 166.4

176 77.7 0.0 162.0

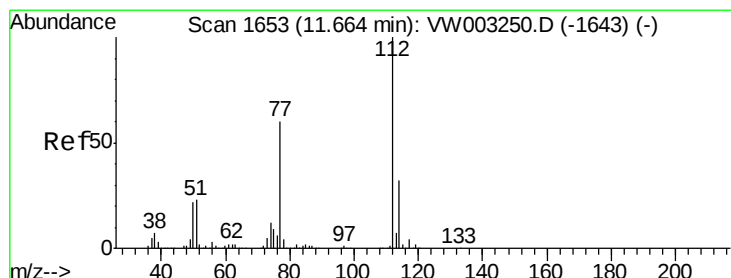
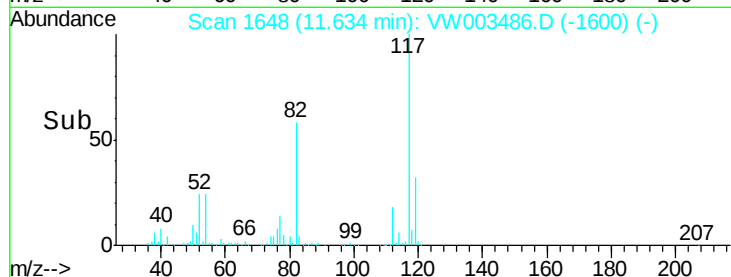
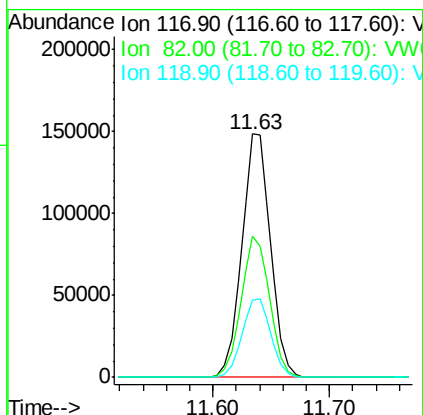
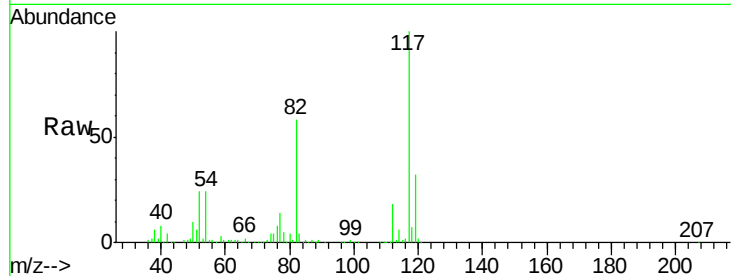




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003486.D
Acq: 24 Jun 2018 04:04

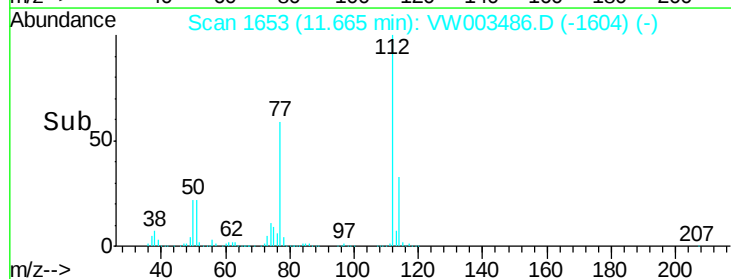
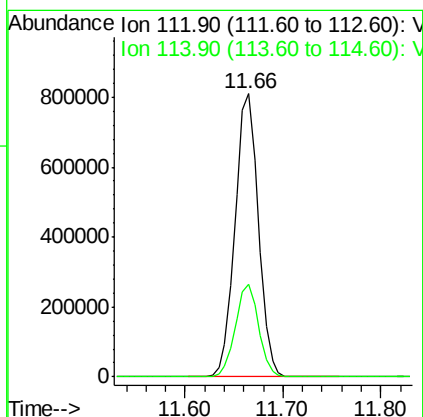
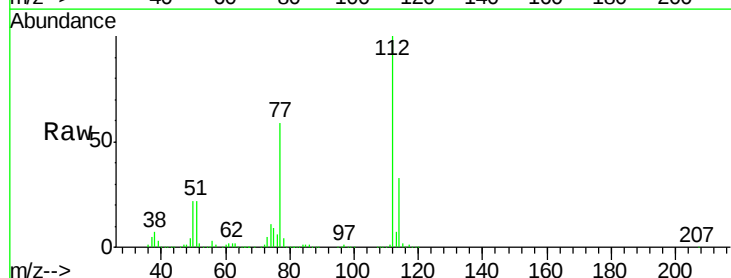
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-19-21-180621

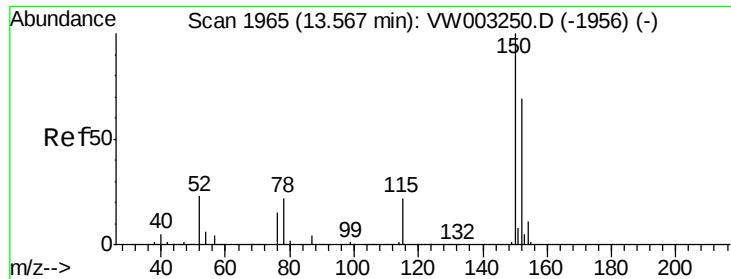
Tgt Ion:117 Resp: 254252
Ion Ratio Lower Upper
117 100
82 57.8 44.6 67.0
119 31.8 26.7 40.1



#65
Chlorobenzene
Concen: 253.344 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003486.D
Acq: 24 Jun 2018 04:04

Tgt Ion:112 Resp: 1341351
Ion Ratio Lower Upper
112 100
114 32.8 25.9 38.9



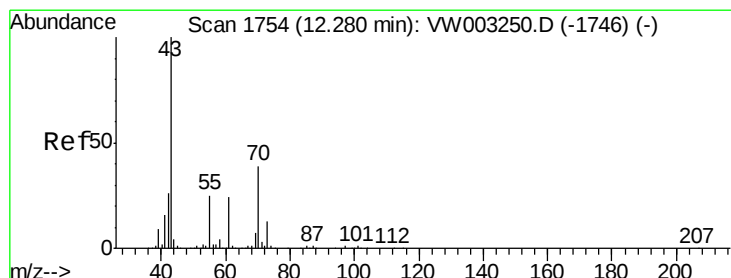
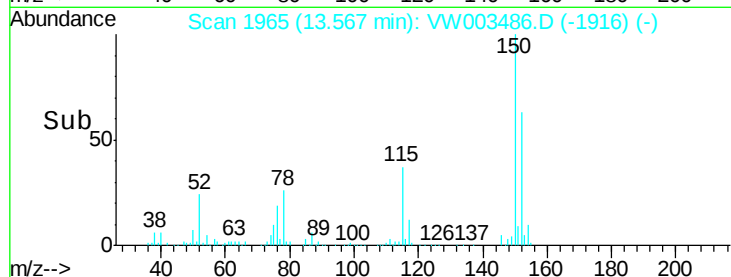
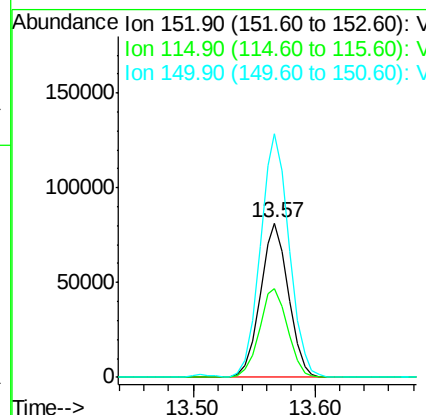
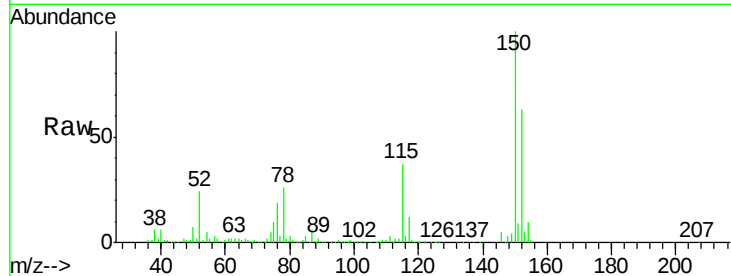


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003486.D
Acq: 24 Jun 2018 04:04

Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-19-21-180621

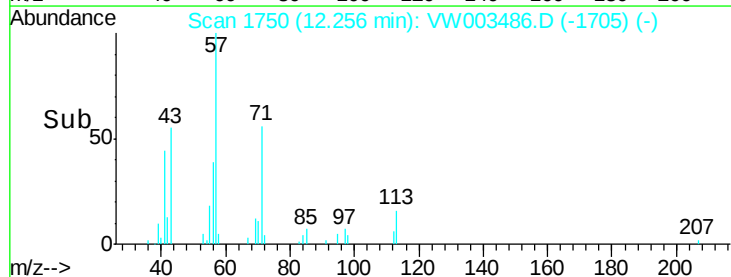
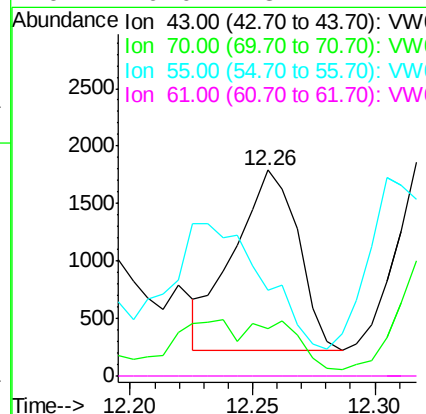
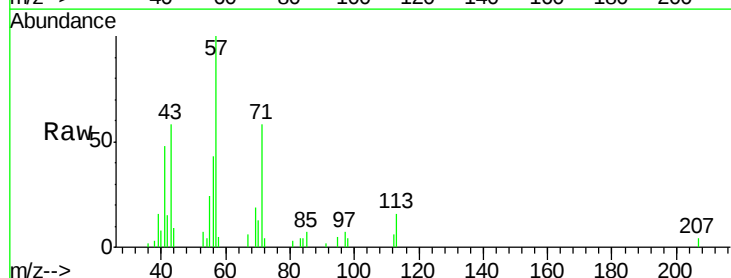
Tgt Ion: 152 Resp: 129745
Ion Ratio Lower Upper
152 100
115 58.1 29.3 88.0
150 162.0 0.0 349.6

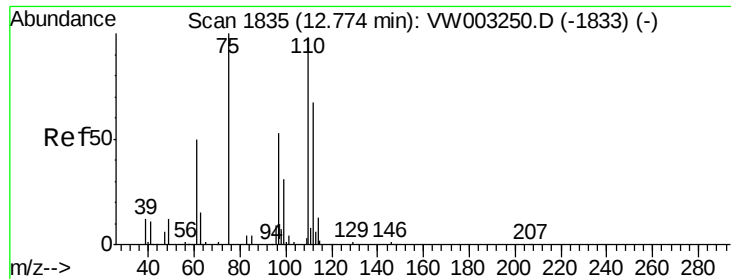


#74

N-ethyl acetate
Concen: 1.386 ug/l
RT: 12.26 min Scan# 1750
Delta R.T. -0.02 min
Lab File: VW003486.D
Acq: 24 Jun 2018 04:04

Tgt Ion: 43 Resp: 2846
Ion Ratio Lower Upper
43 100
70 0.0 31.0 46.6#
55 0.0 19.7 29.5#
61 0.0 18.1 27.1#





#76

1,2,3-Trichloropropane

Concen: 56.289 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW003486.D

Acq: 24 Jun 2018 04:04

Instrument :

MSVOA_W

ClientSampleId :

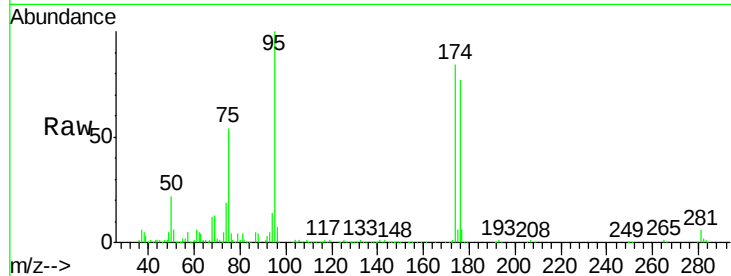
WP021SB487-19-21-180621

Tgt Ion: 75 Resp: 62434

Ion Ratio Lower Upper

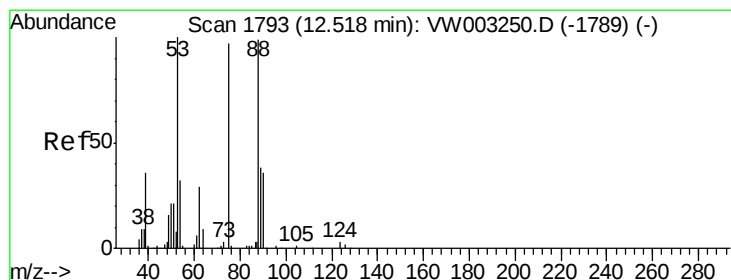
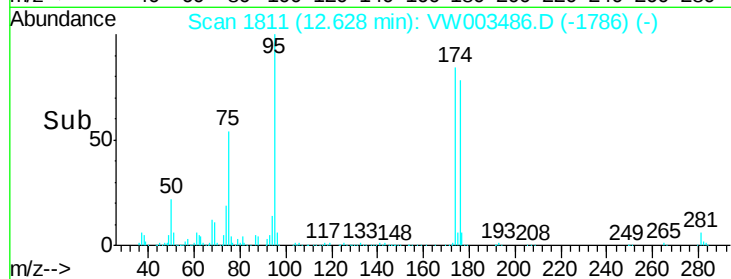
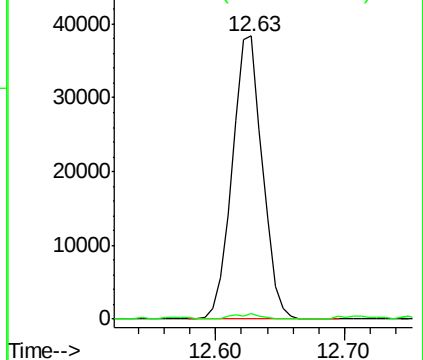
75 100

77 1.6 0.0 0.0#



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: 129.524 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW003486.D

Acq: 24 Jun 2018 04:04

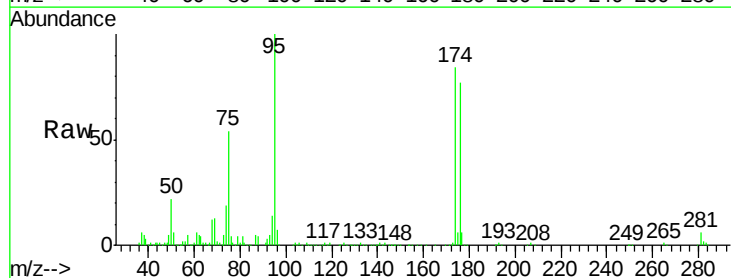
Tgt Ion: 75 Resp: 62434

Ion Ratio Lower Upper

75 100

53 1.1 82.9 124.3#

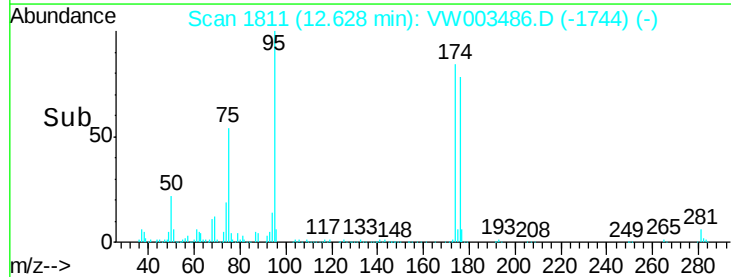
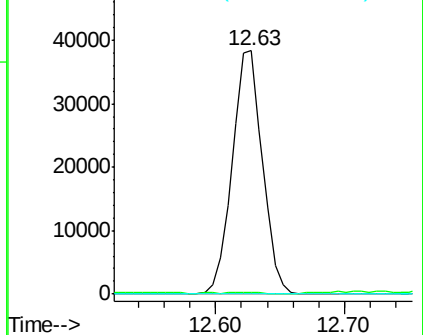
89 0.0 36.7 55.1#

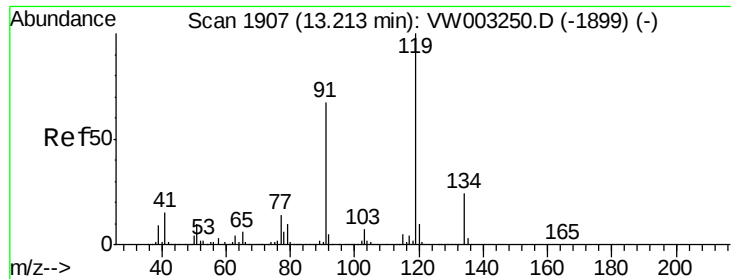


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

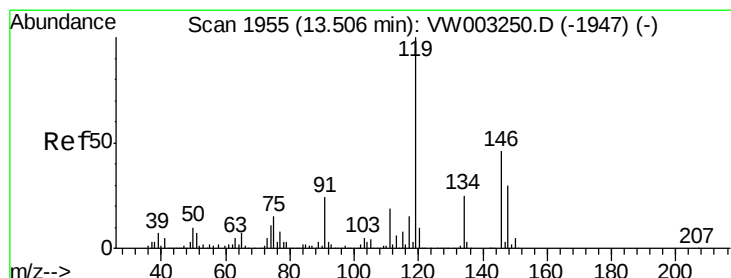
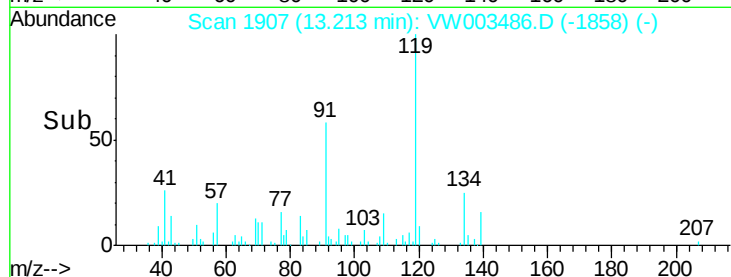
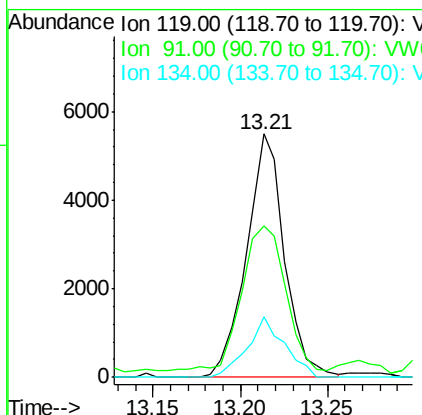
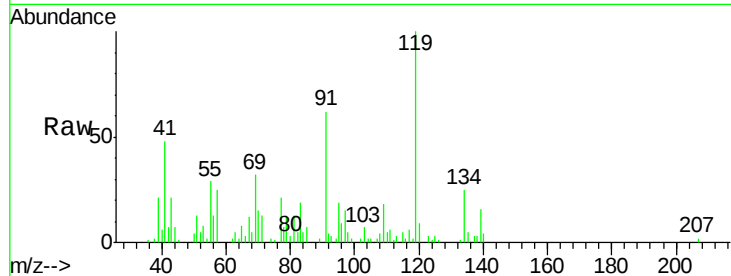




#83
 tert-Butylbenzene
 Concen: 1.283 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW003486.D
 Acq: 24 Jun 2018 04:04

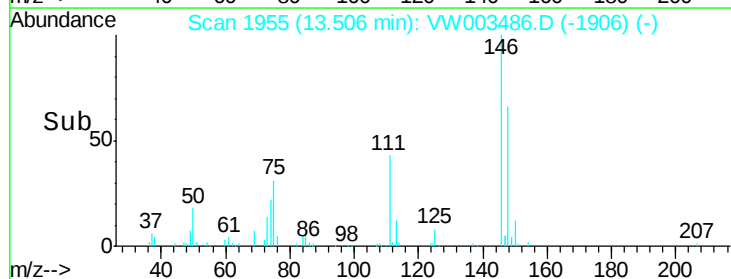
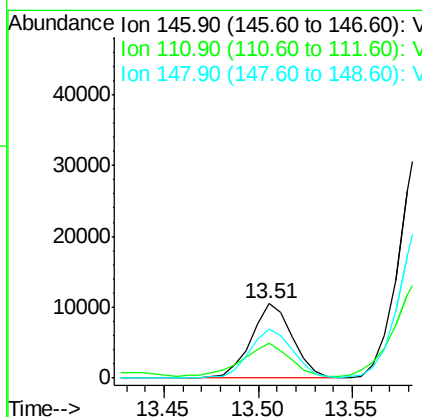
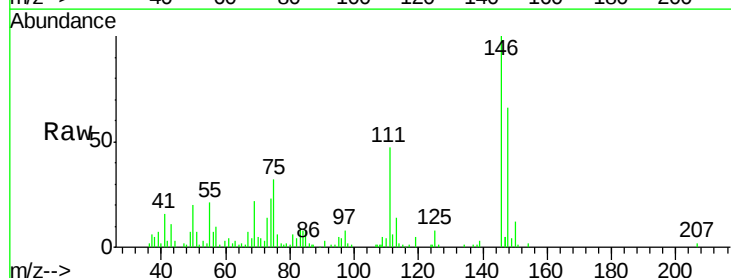
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-19-21-180621

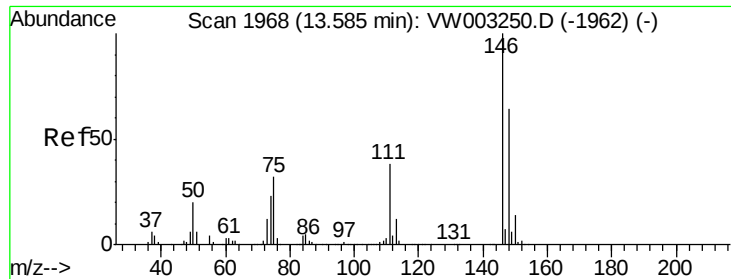
Tgt Ion:119 Resp: 8281
 Ion Ratio Lower Upper
 119 100
 91 68.7 33.9 101.7
 134 24.2 13.4 40.1



#87
 1,3-Dichlorobenzene
 Concen: 3.699 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003486.D
 Acq: 24 Jun 2018 04:04

Tgt Ion:146 Resp: 15972
 Ion Ratio Lower Upper
 146 100
 111 50.6 19.8 59.4
 148 69.0 32.1 96.5

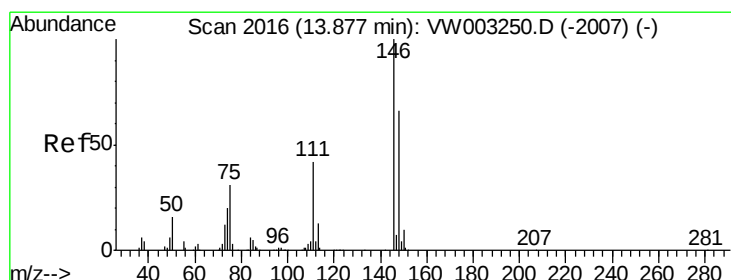
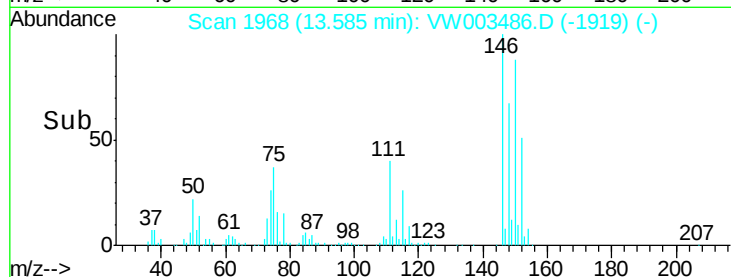
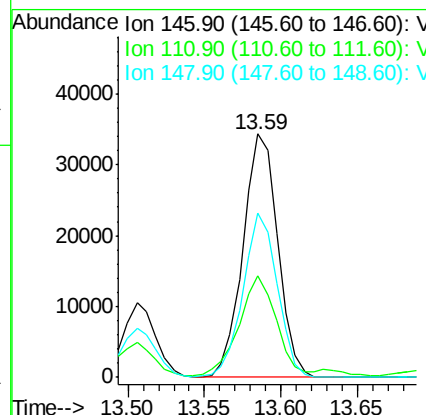
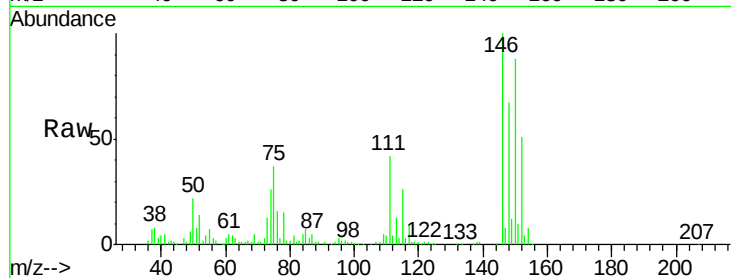




#88
 1,4-Dichlorobenzene
 Concen: 12.673 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003486.D
 Acq: 24 Jun 2018 04:04

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-19-21-180621

Tgt Ion:146 Resp: 54394
 Ion Ratio Lower Upper
 146 100
 111 44.0 19.2 57.6
 148 66.4 31.8 95.4



#91
 1,2-Dichlorobenzene
 Concen: 35.683 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003486.D
 Acq: 24 Jun 2018 04:04

Tgt Ion:146 Resp: 134950
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.3 61.0
 148 63.2 32.3 96.9

