

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062318\
 Data File : VW003484.D
 Acq On : 24 Jun 2018 03:13
 Operator : SY/AP
 Sample : J3670-04
 Misc : 6.20G/5ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-15-17-180621

Quant Time: Jun 25 02:44:54 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	159409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	260672	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	242798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	129020	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	98606	57.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.22%	
35) Dibromofluoromethane	7.88	113	82867	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.33	98	286220	44.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.12%	
62) 4-Bromofluorobenzene	12.62	95	111329	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	

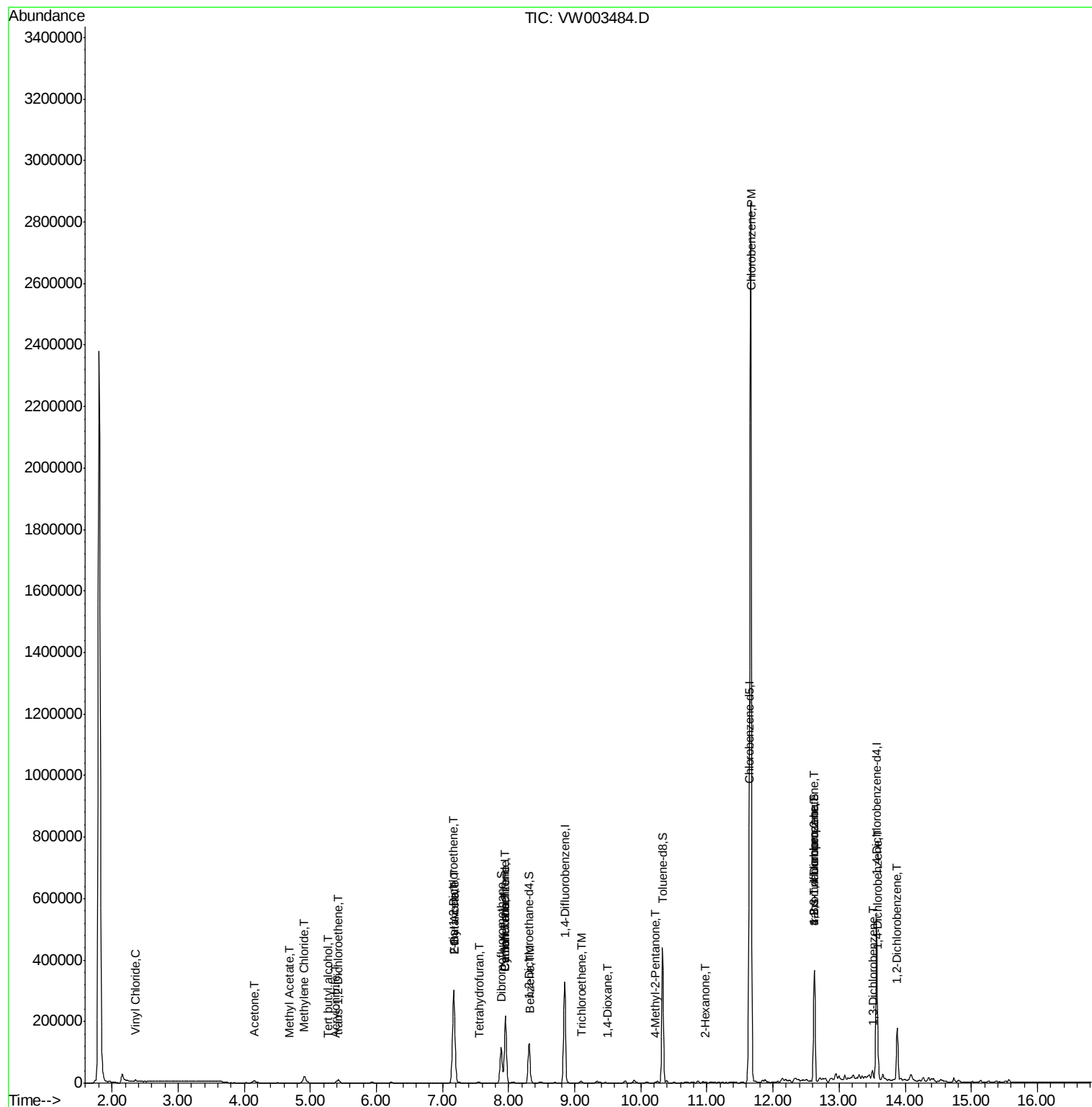
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	4090	2.304	ug/l	93
11) Tert butyl alcohol	5.26	59	633	6.836	ug/l #	84
15) Acrylonitrile	5.37	53	478	1.487	ug/l #	81
16) Acetone	4.15	43	16748	46.249	ug/l	97
18) Methyl Acetate	4.68	43	1448	1.686	ug/l #	60
20) Methylene Chloride	4.92	84	15654	7.021	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	5636	3.589	ug/l	90
25) 2-Butanone	7.18	43	1994	4.428	ug/l #	1
27) cis-1,2-Dichloroethene	7.17	96	171731	99.540	ug/l	92
29) Tetrahydrofuran	7.56	42	1264	4.593	ug/l #	67
31) Cyclohexane	7.95	56	4490	1.609	ug/l #	11
37) Ethyl Acetate	7.18	43	1994	1.912	ug/l #	1
38) Carbon Tetrachloride	7.95	117	16107	6.523	ug/l #	19
40) Benzene	8.33	78	7667	1.105	ug/l	93
44) Trichloroethene	9.09	130	1868	1.016	ug/l	99
49) 1,4-Dioxane	9.49	88	25	1.830	ug/l #	48
51) 4-Methyl-2-Pentanone	10.22	43	2643	2.505	ug/l	94
59) 2-Hexanone	10.98	43	1221	1.656	ug/l	78
65) Chlorobenzene	11.66	112	1454377	287.650	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	60466	54.821	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60466	126.146	ug/l #	9
87) 1,3-Dichlorobenzene	13.51	146	9304	2.167	ug/l	96
88) 1,4-Dichlorobenzene	13.59	146	25745	6.032	ug/l	93
91) 1,2-Dichlorobenzene	13.88	146	59652	15.862	ug/l	98

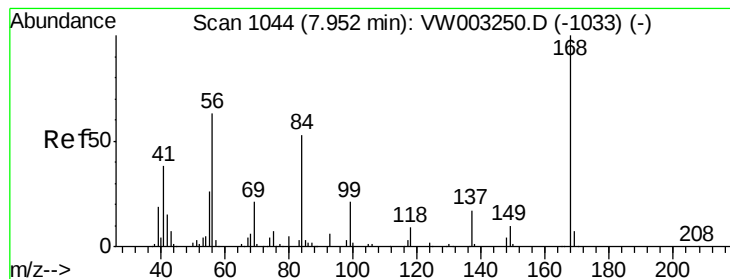
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003484.D

Acq: 24 Jun 2018 03:13

Instrument :

MSVOA_W

ClientSampleId :

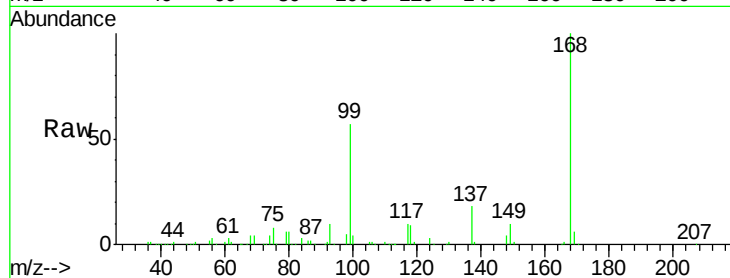
WP021SB487-15-17-180621

Tgt Ion:168 Resp: 159409

Ion Ratio Lower Upper

168 100

99 57.4 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

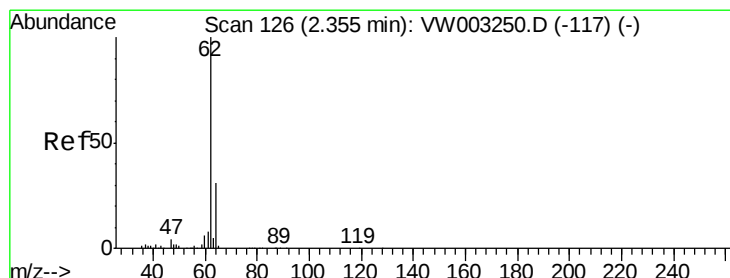
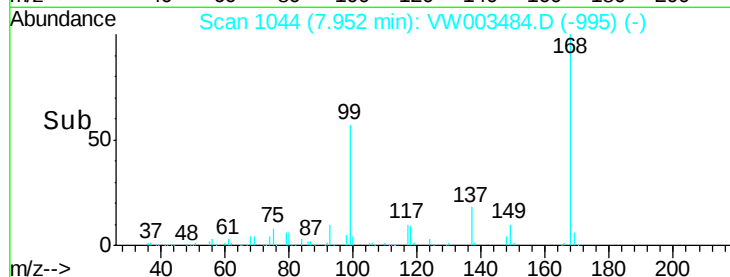
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#4

Vinyl Chloride

Concen: 2.304 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003484.D

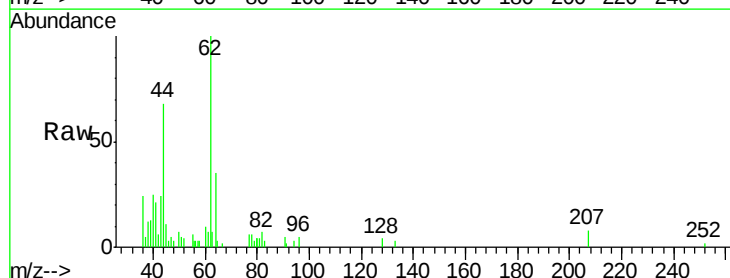
Acq: 24 Jun 2018 03:13

Tgt Ion: 62 Resp: 4090

Ion Ratio Lower Upper

62 100

64 35.0 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

2500

2000

1500

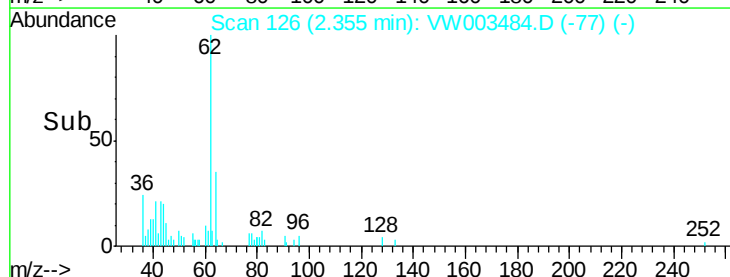
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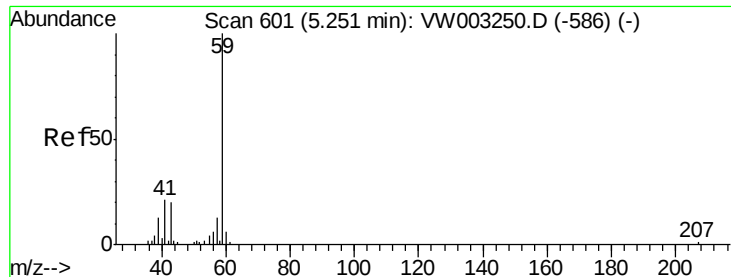
500

0

2.30 2.35 2.40 2.45

Time-->



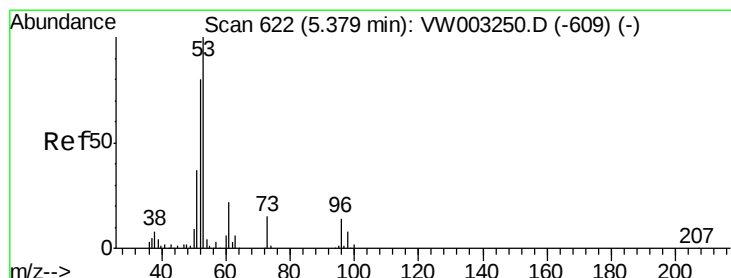
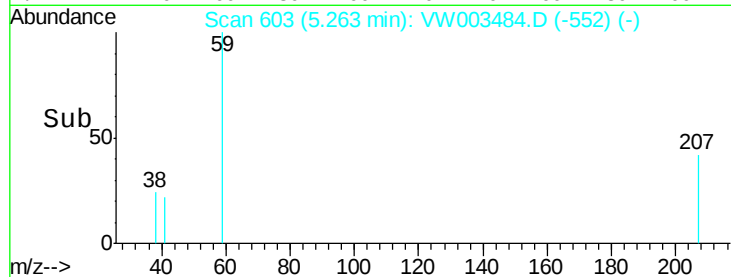
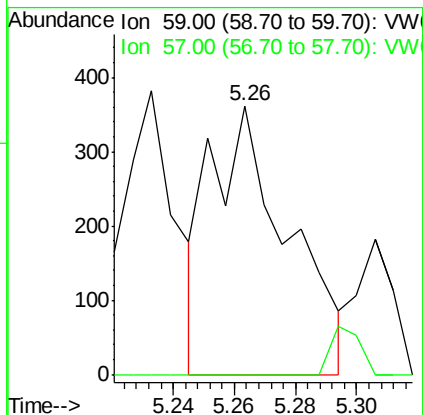
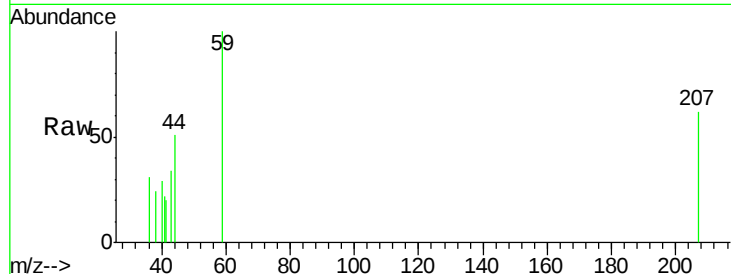


#11

Tert butyl alcohol
 Concen: 6.836 ug/l
 RT: 5.26 min Scan# 603
 Delta R.T. 0.01 min
 Lab File: VW003484.D
 Acq: 24 Jun 2018 03:13

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-15-17-180621

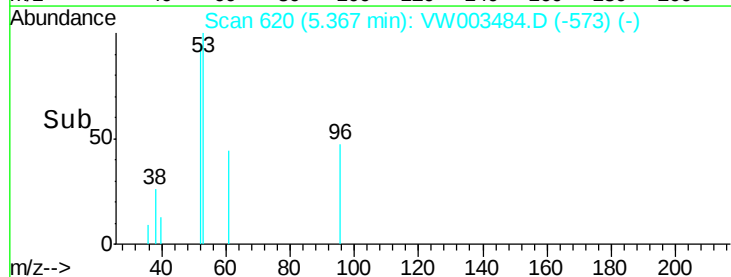
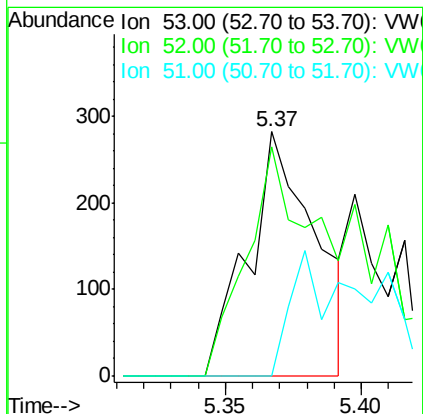
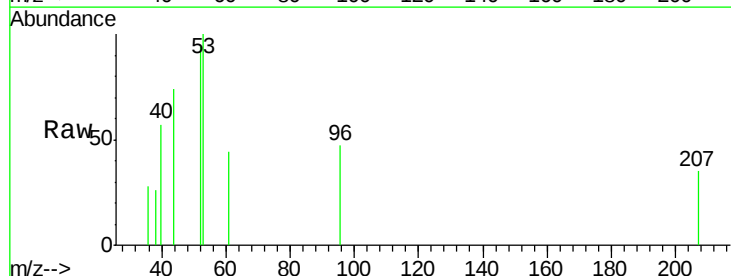
Tgt Ion: 59 Resp: 633
 Ion Ratio Lower Upper
 59 100
 57 0.0 4.2 6.2#

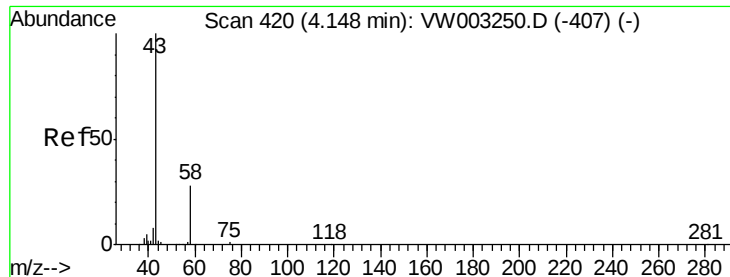


#15

Acrylonitrile
 Concen: 1.487 ug/l
 RT: 5.37 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: VW003484.D
 Acq: 24 Jun 2018 03:13

Tgt Ion: 53 Resp: 478
 Ion Ratio Lower Upper
 53 100
 52 97.3 66.6 100.0
 51 22.0 30.6 46.0#





#16

Acetone

Concen: 46.249 ug/l

RT: 4.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VW003484.D

Acq: 24 Jun 2018 03:13

Instrument :

MSVOA_W

ClientSampleId :

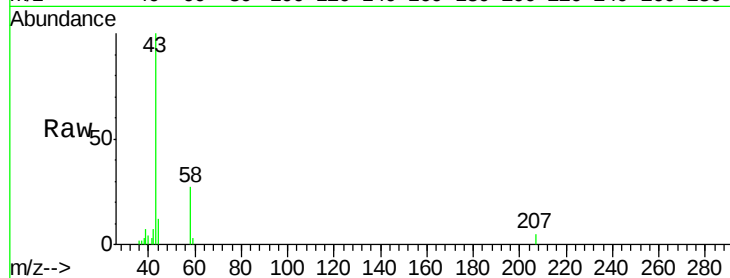
WP021SB487-15-17-180621

Tgt Ion: 43 Resp: 16748

Ion Ratio Lower Upper

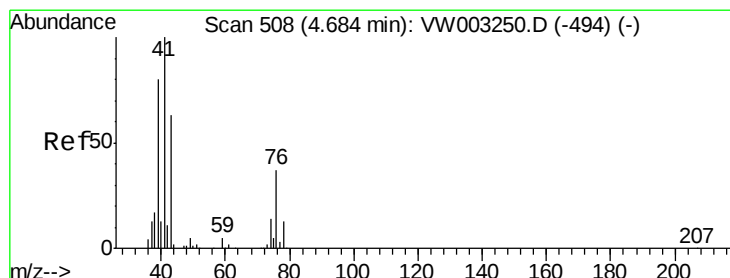
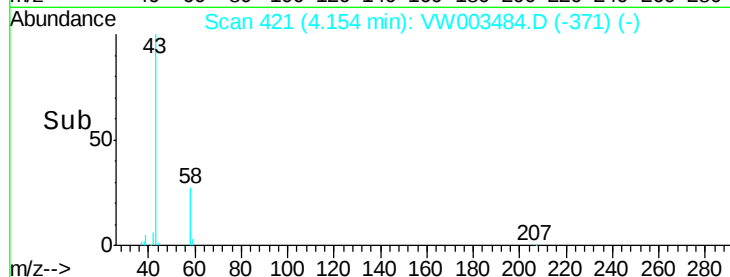
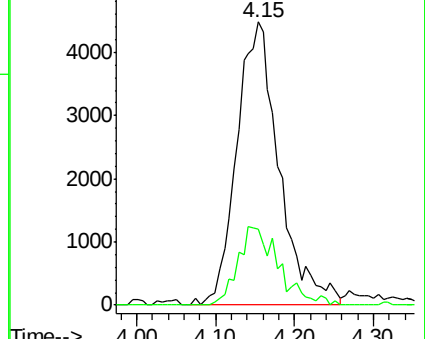
43 100

58 26.7 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.686 ug/l

RT: 4.68 min Scan# 508

Delta R.T. 0.00 min

Lab File: VW003484.D

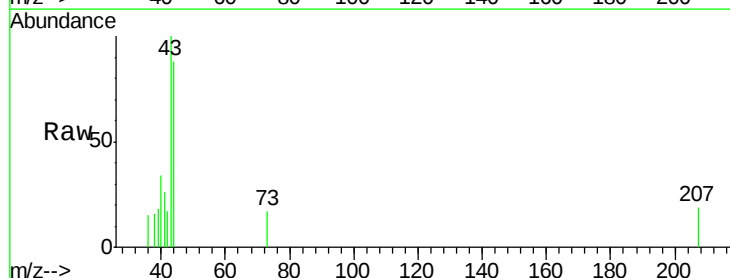
Acq: 24 Jun 2018 03:13

Tgt Ion: 43 Resp: 1448

Ion Ratio Lower Upper

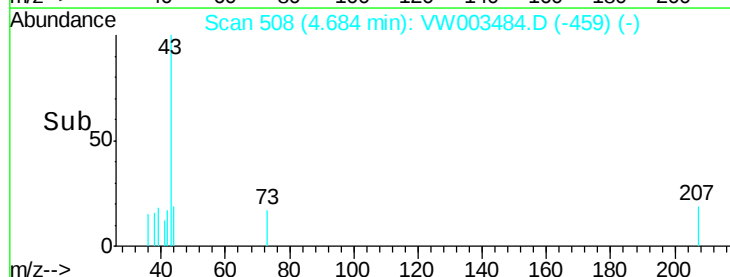
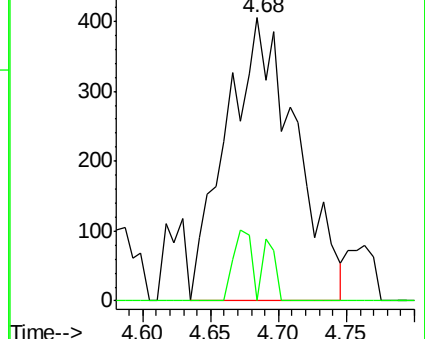
43 100

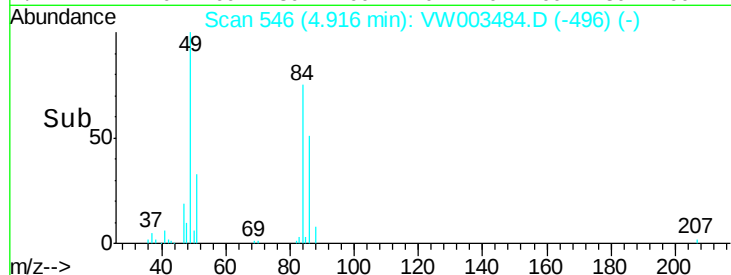
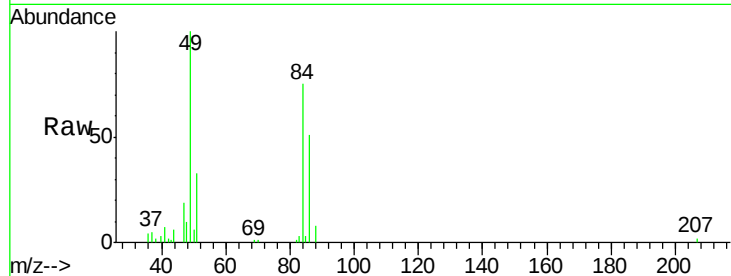
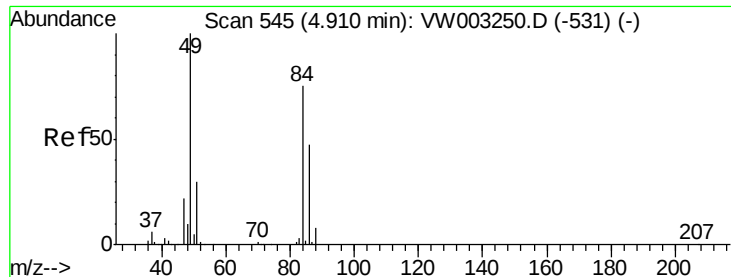
74 4.1 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

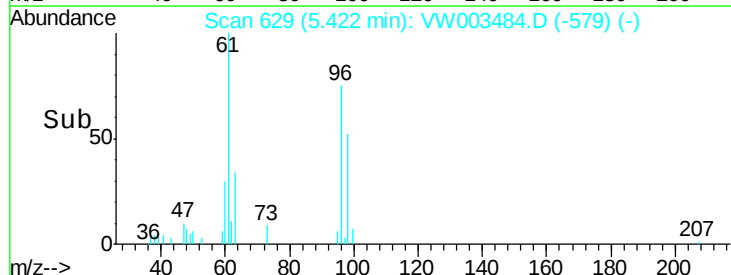
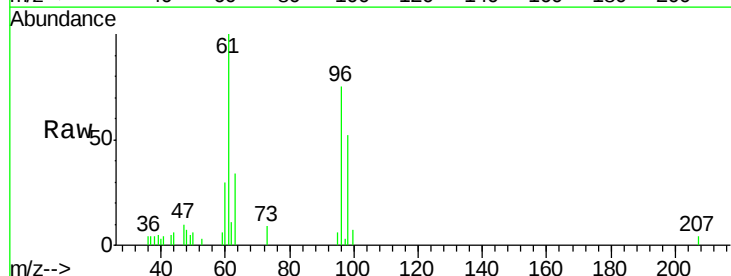
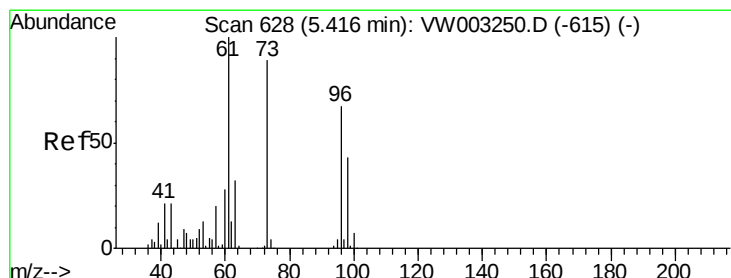
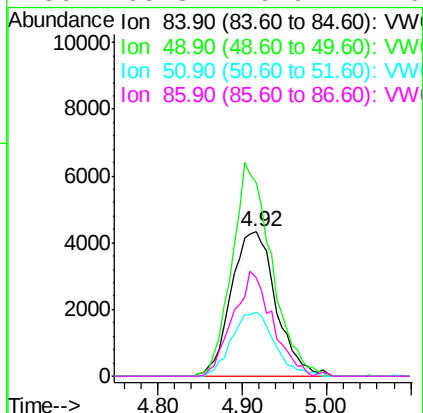




#20
Methylene Chloride
Concen: 7.021 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003484.D
Acq: 24 Jun 2018 03:13

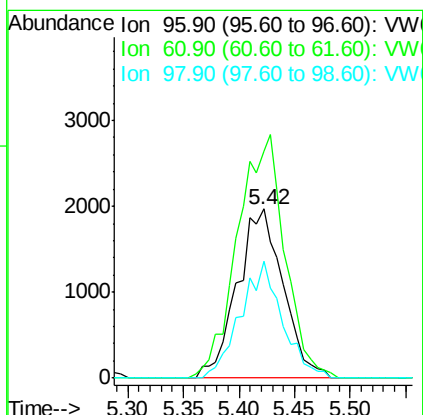
Instrument :
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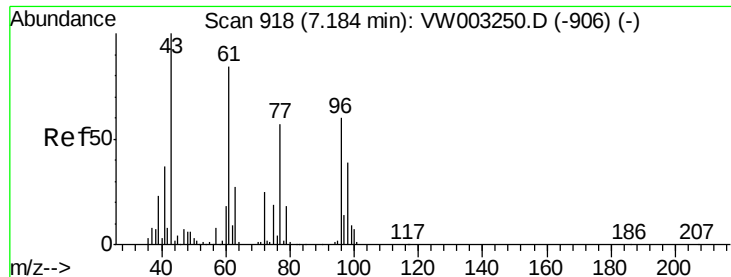
Tgt Ion: 84 Resp: 15654
Ion Ratio Lower Upper
84 100
49 134.2 106.3 159.5
51 44.2 32.0 48.0
86 68.3 49.9 74.9



#21
trans-1,2-Dichloroethene
Concen: 3.589 ug/l
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW003484.D
Acq: 24 Jun 2018 03:13

Tgt Ion: 96 Resp: 5636
Ion Ratio Lower Upper
96 100
61 133.8 118.7 178.1
98 69.0 51.0 76.6

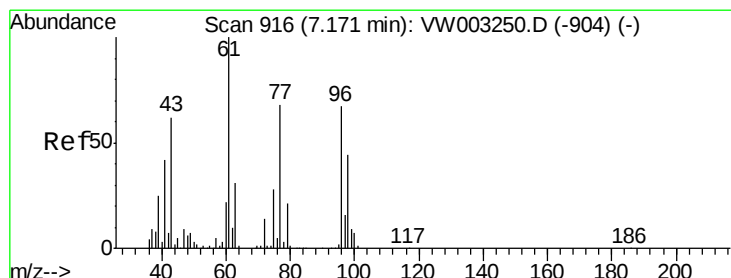
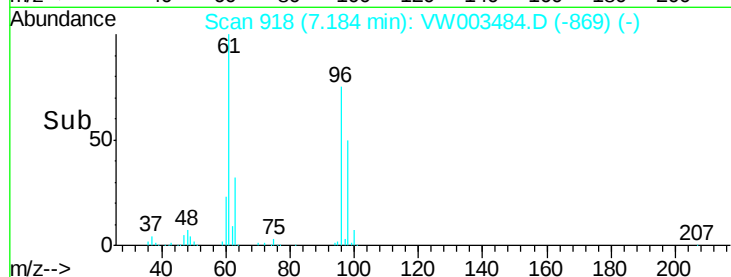
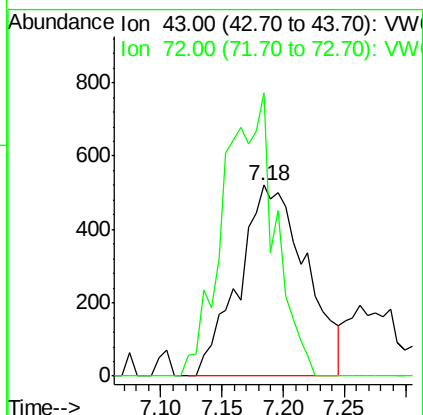
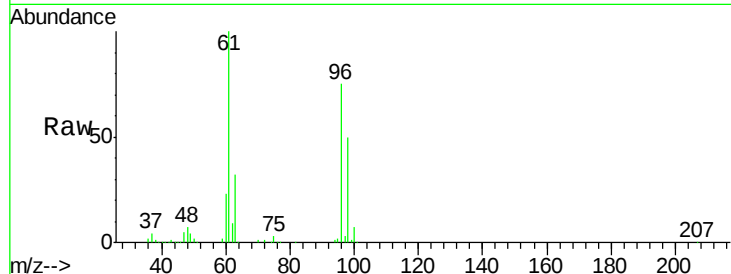




#25
 2-Butanone
 Concen: 4.428 ug/l
 RT: 7.18 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: VW003484.D
 Acq: 24 Jun 2018 03:13

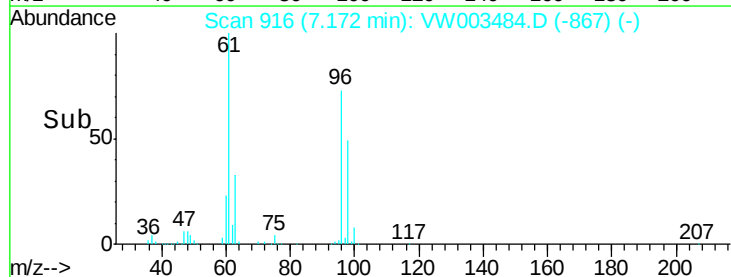
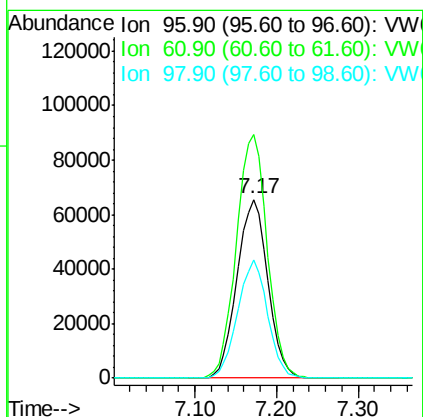
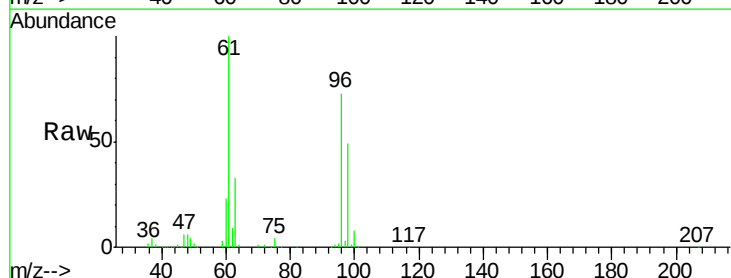
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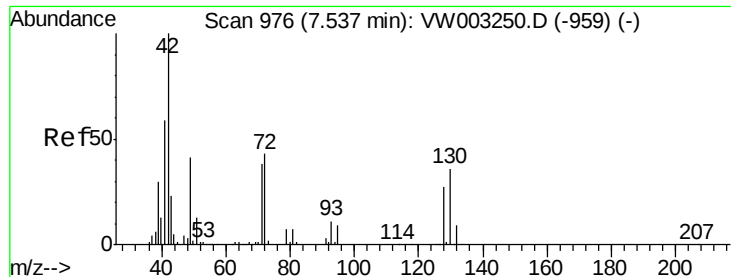
Tgt Ion: 43 Resp: 1994
 Ion Ratio Lower Upper
 43 100
 72 148.5 20.3 30.5#



#27
 cis-1,2-Dichloroethene
 Concen: 99.540 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW003484.D
 Acq: 24 Jun 2018 03:13

Tgt Ion: 96 Resp: 171731
 Ion Ratio Lower Upper
 96 100
 61 136.3 0.0 298.8
 98 64.2 0.0 130.4

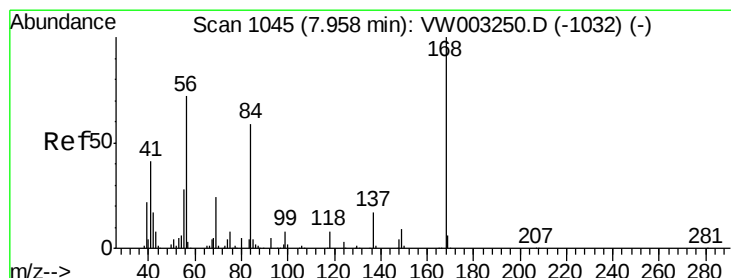
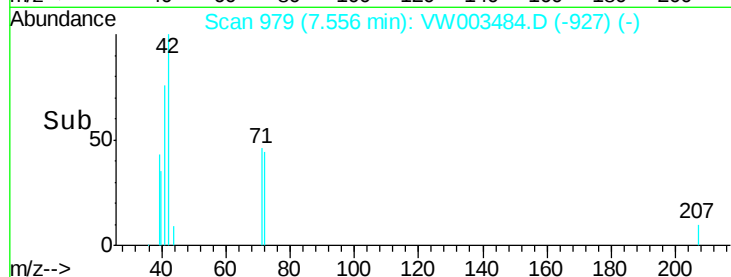
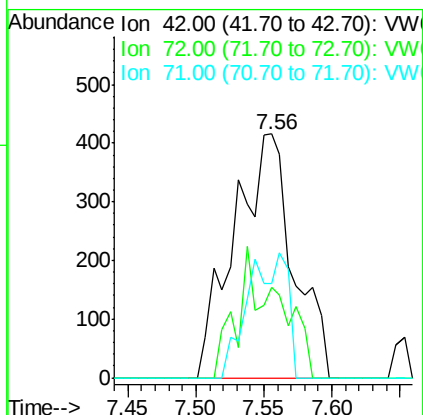
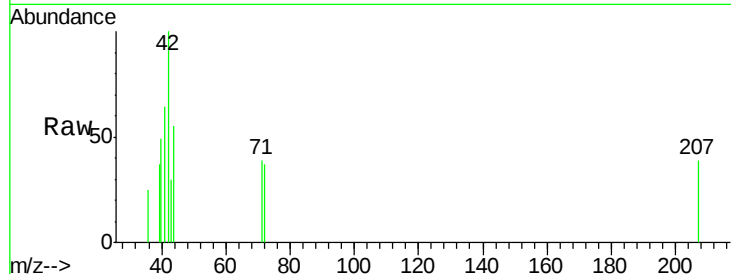




#29
Tetrahydrofuran
Concen: 4.593 ug/l
RT: 7.56 min Scan# 979
Delta R.T. 0.02 min
Lab File: VW003484.D
Acq: 24 Jun 2018 03:13

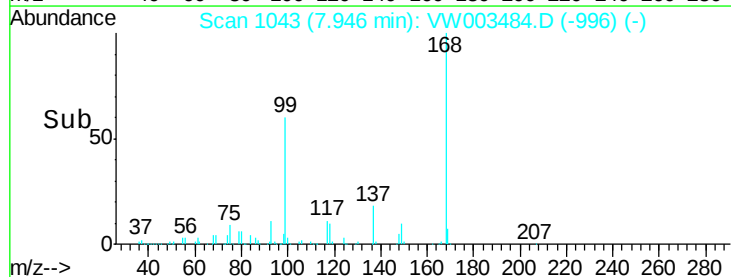
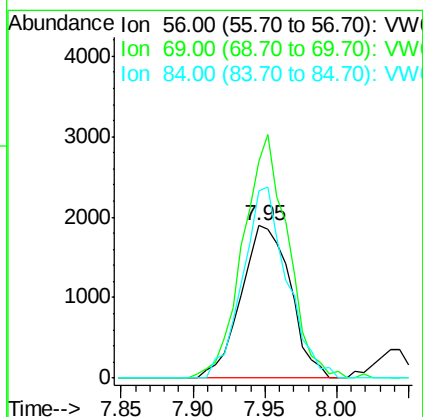
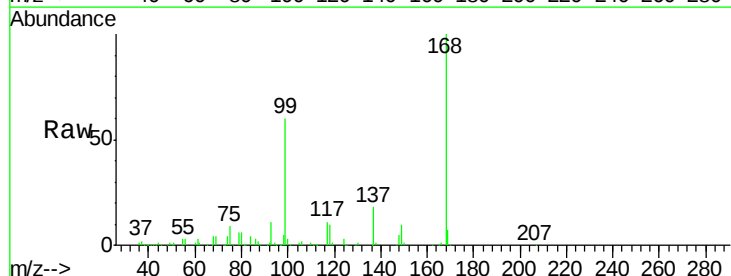
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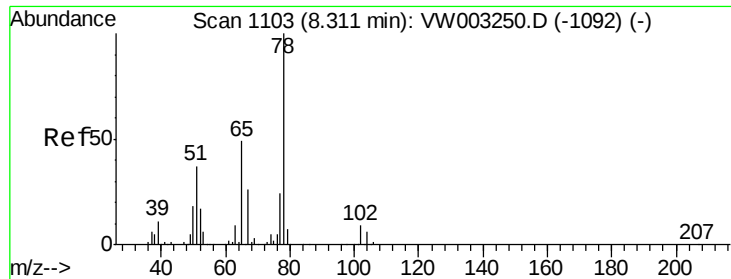
Tgt Ion: 42 Resp: 1264
Ion Ratio Lower Upper
42 100
72 20.5 32.4 48.6#
71 18.1 31.2 46.8#



#31
Cyclohexane
Concen: 1.609 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003484.D
Acq: 24 Jun 2018 03:13

Tgt Ion: 56 Resp: 4490
Ion Ratio Lower Upper
56 100
69 142.7 26.3 39.5#
84 123.4 65.7 98.5#

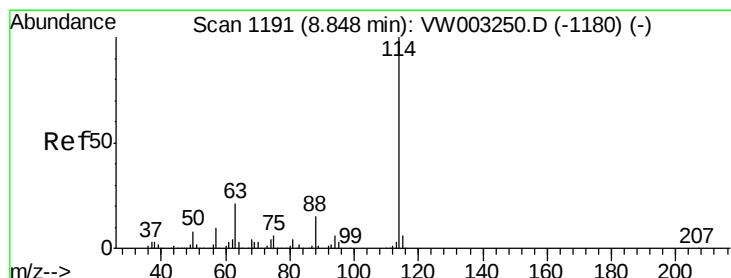
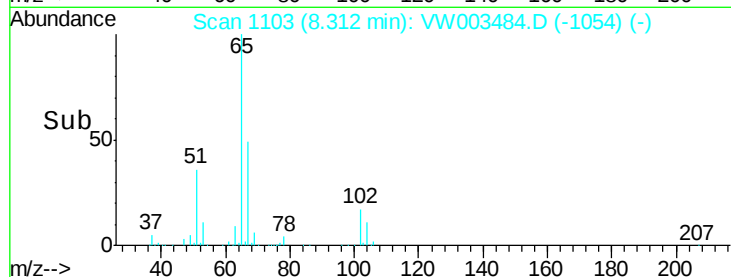
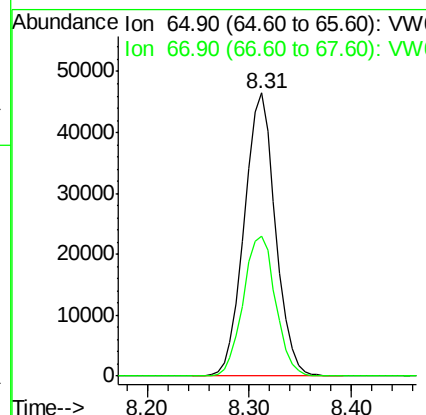
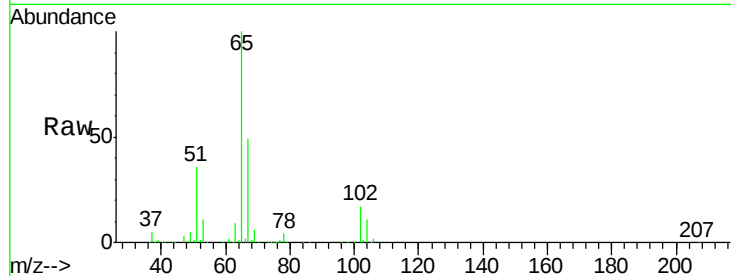




#33
 1,2-Dichloroethane-d4
 Concen: 57.108 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003484.D
 Acq: 24 Jun 2018 03:13

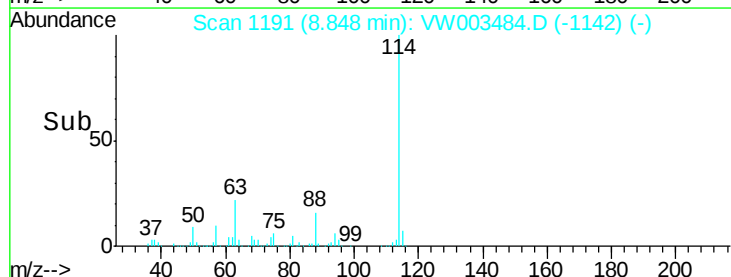
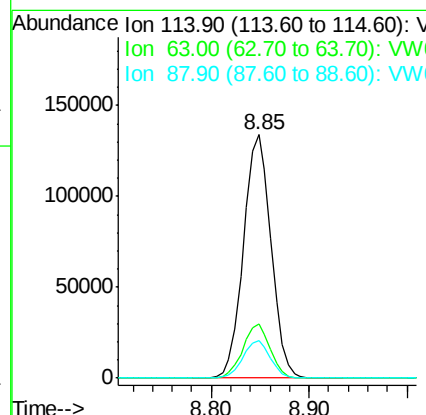
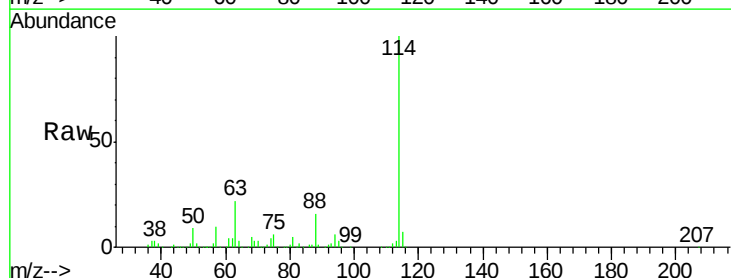
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 WP021SB487-15-17-180621

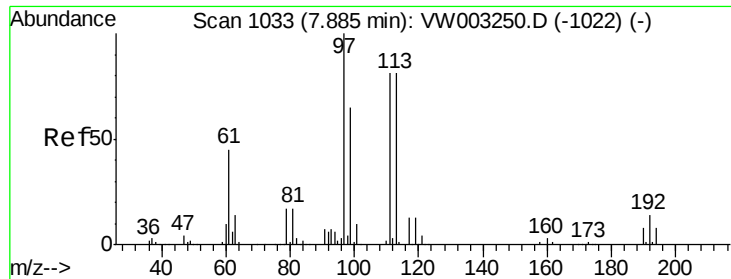
Tgt Ion: 65 Resp: 98606
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003484.D
 Acq: 24 Jun 2018 03:13

Tgt Ion: 114 Resp: 260672
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.0
 88 15.7 0.0 29.6

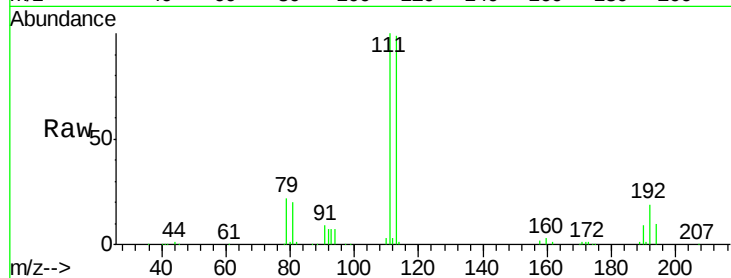




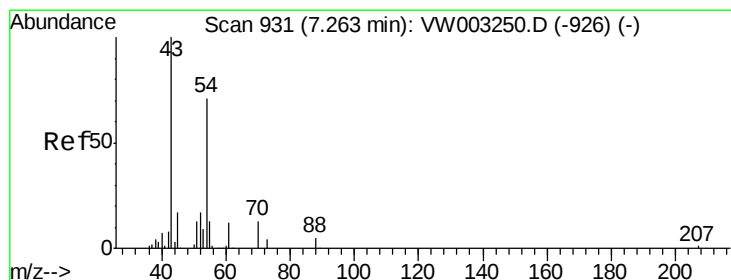
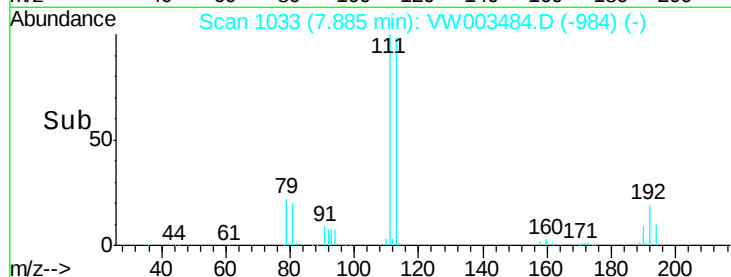
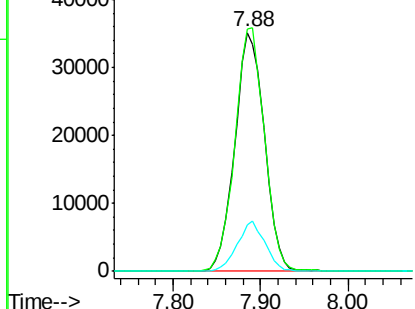
#35
Dibromofluoromethane
Concen: 51.161 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW003484.D
Acq: 24 Jun 2018 03:13

Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-15-17-180621

Tgt Ion:113 Resp: 82867
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.2
192 19.5 16.2 24.2

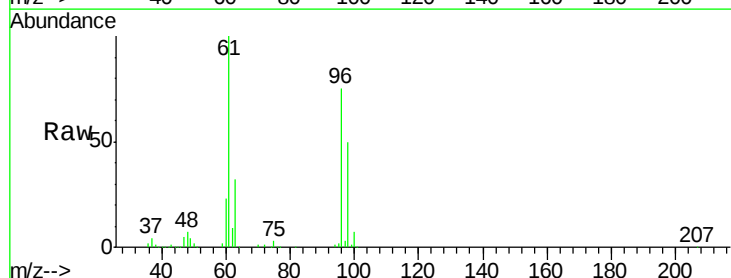


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

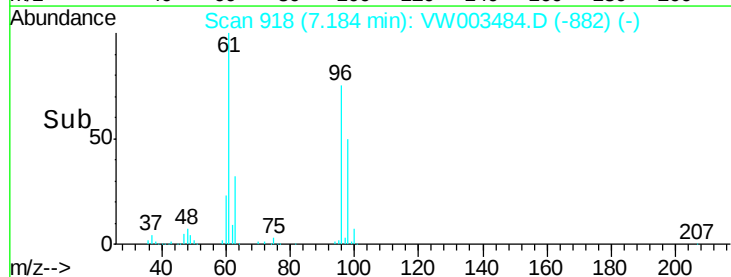
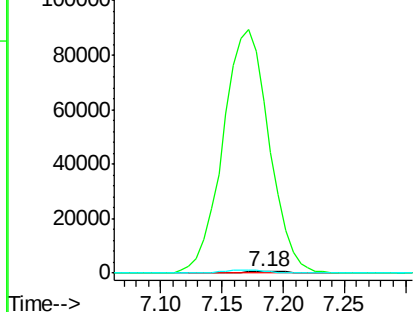


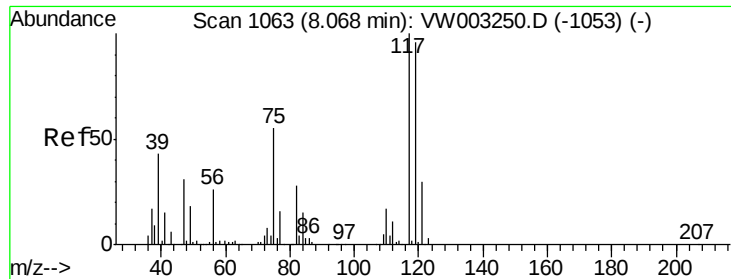
#37
Ethyl Acetate
Concen: 1.912 ug/l
RT: 7.18 min Scan# 918
Delta R.T. -0.08 min
Lab File: VW003484.D
Acq: 24 Jun 2018 03:13

Tgt Ion: 43 Resp: 1994
Ion Ratio Lower Upper
43 100
61 11740.1 10.8 16.2#
70 135.8 7.8 11.6#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 6.523 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003484.D

Acq: 24 Jun 2018 03:13

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-15-17-180621

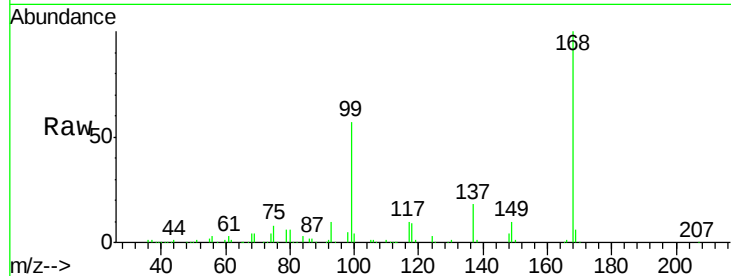
Tgt Ion:117 Resp: 16107

Ion Ratio Lower Upper

117 100

119 8.6 76.6 115.0#

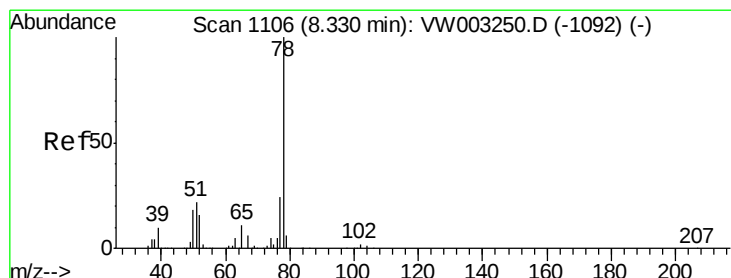
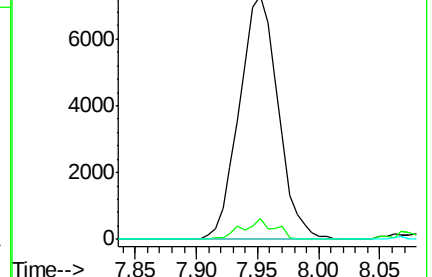
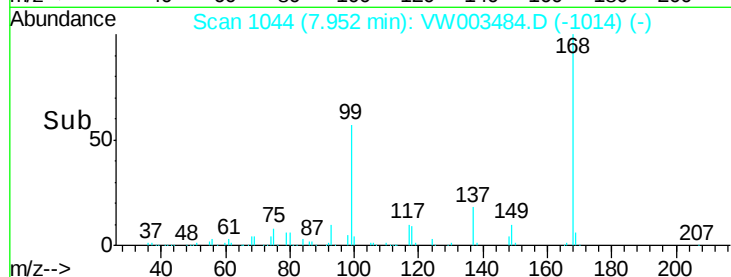
121 0.0 23.9 35.9#



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: 1.105 ug/l

RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VW003484.D

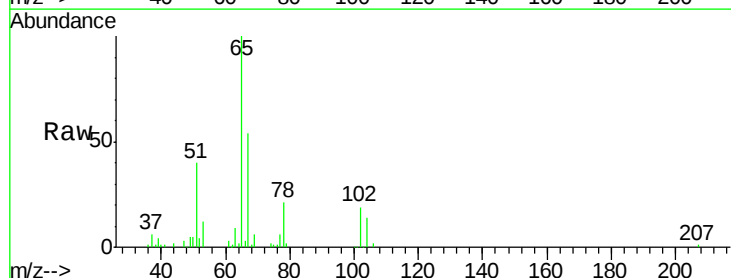
Acq: 24 Jun 2018 03:13

Tgt Ion: 78 Resp: 7667

Ion Ratio Lower Upper

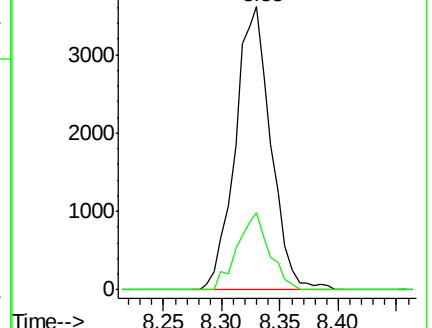
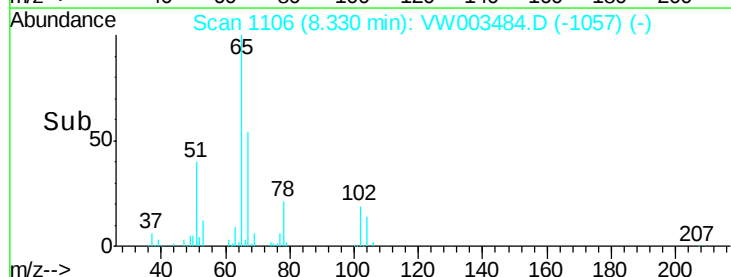
78 100

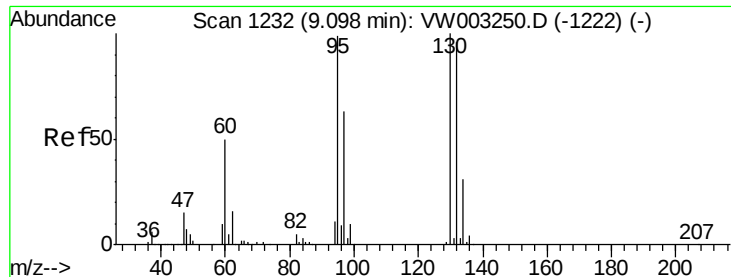
77 27.1 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

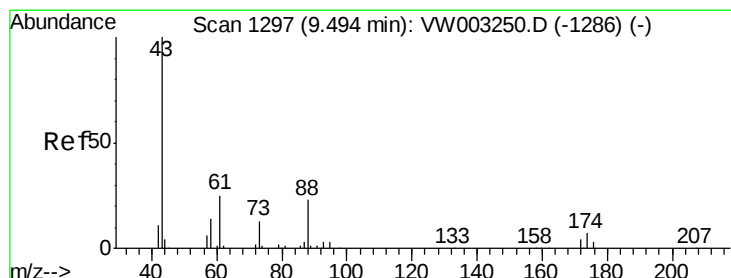
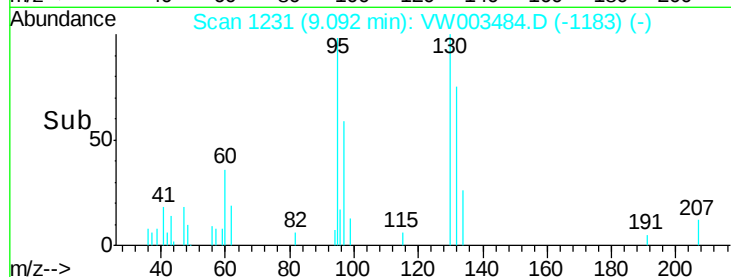
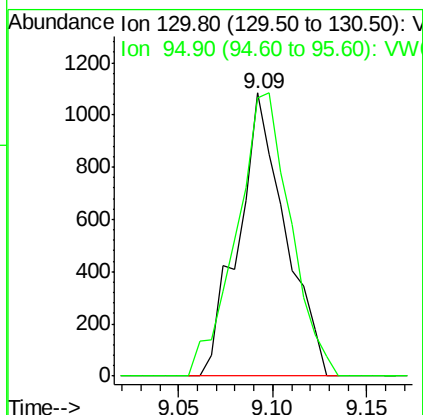
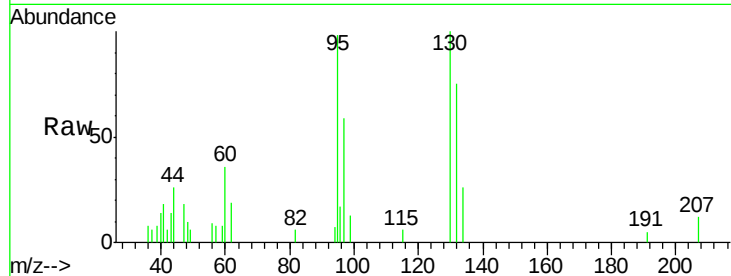




#44
 Trichloroethene
 Concen: 1.016 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VW003484.D
 Acq: 24 Jun 2018 03:13

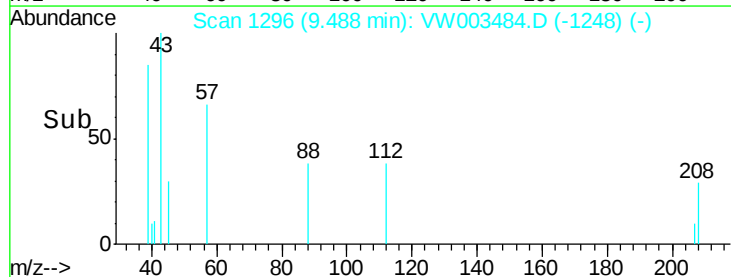
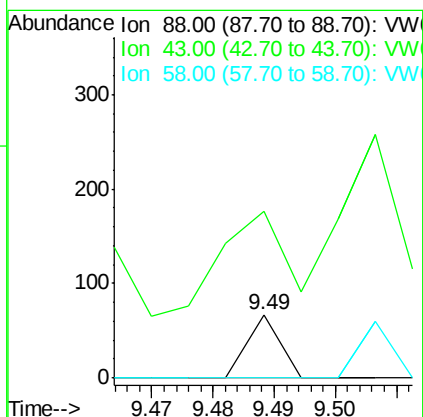
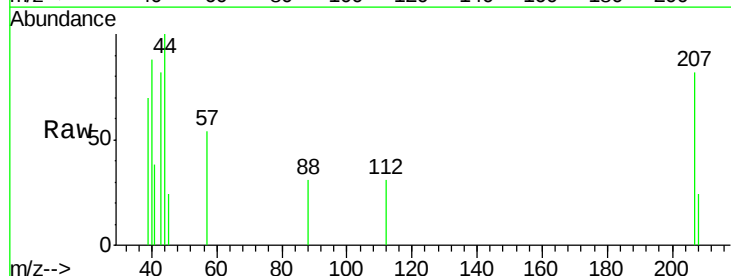
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-15-17-180621

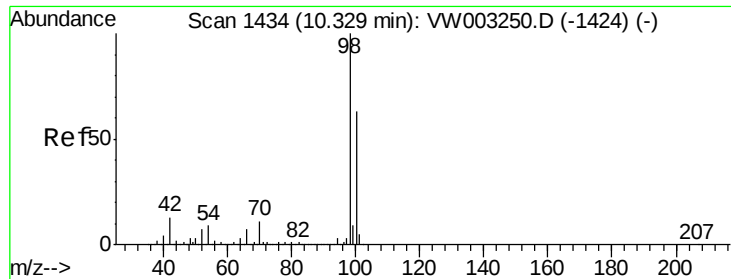
Tgt Ion:130 Resp: 1868
 Ion Ratio Lower Upper
 130 100
 95 98.4 0.0 198.0



#49
 1,4-Dioxane
 Concen: 1.830 ug/l
 RT: 9.49 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VW003484.D
 Acq: 24 Jun 2018 03:13

Tgt Ion: 88 Resp: 25
 Ion Ratio Lower Upper
 88 100
 43 712.0 454.7 682.1#
 58 0.0 58.6 88.0#

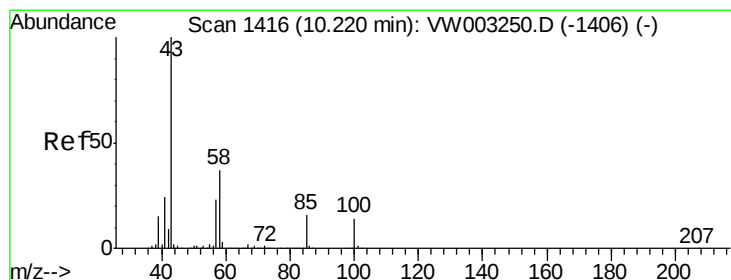
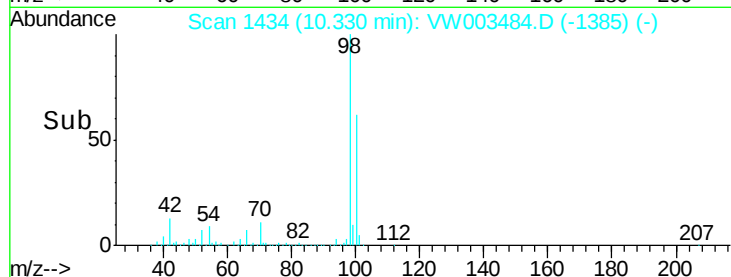
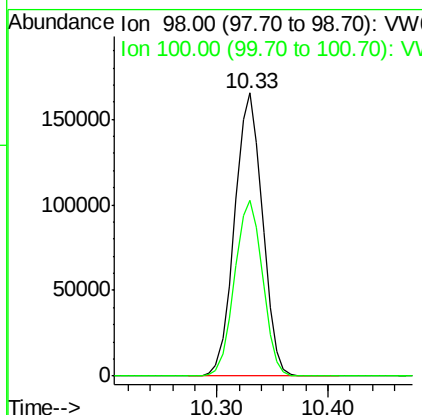
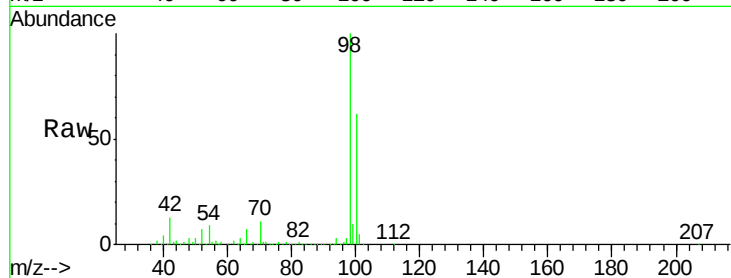




#50
Toluene-d8
Concen: 44.564 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003484.D
Acq: 24 Jun 2018 03:13

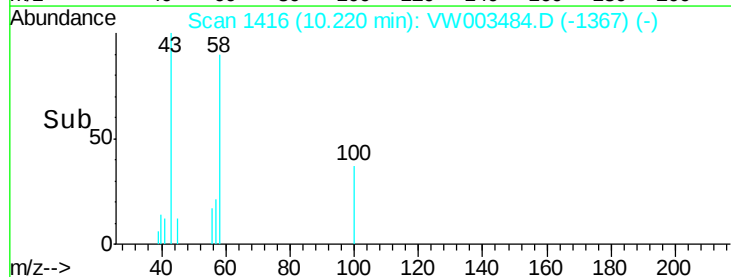
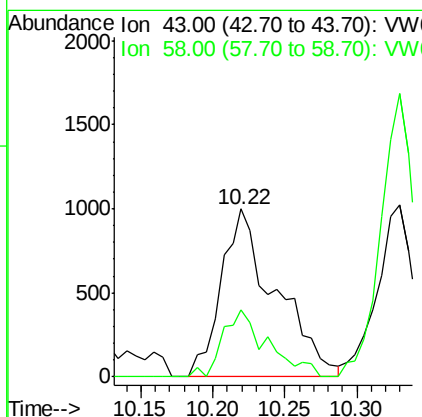
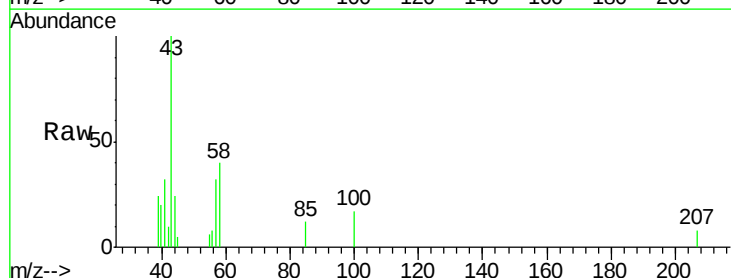
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-15-17-180621

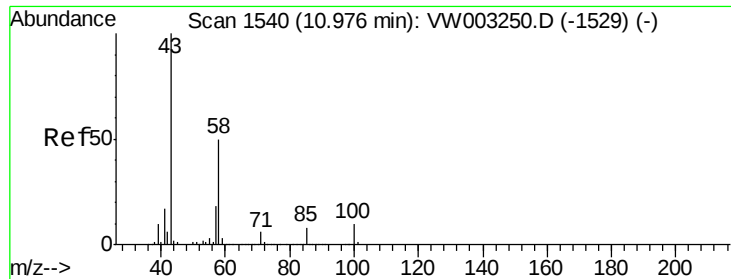
Tgt Ion: 98 Resp: 286220
Ion Ratio Lower Upper
98 100
100 62.4 50.8 76.2



#51
4-Methyl-2-Pentanone
Concen: 2.505 ug/l
RT: 10.22 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VW003484.D
Acq: 24 Jun 2018 03:13

Tgt Ion: 43 Resp: 2643
Ion Ratio Lower Upper
43 100
58 32.9 29.0 43.4

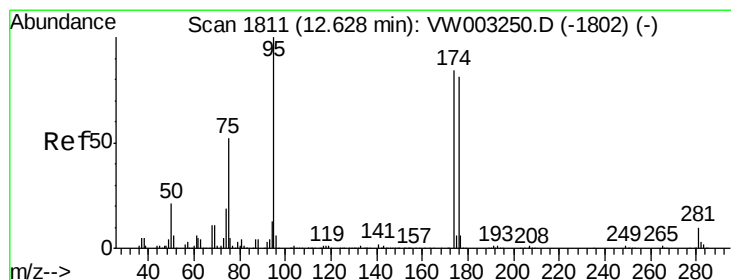
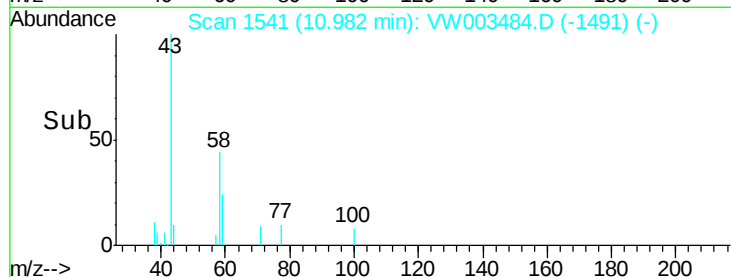
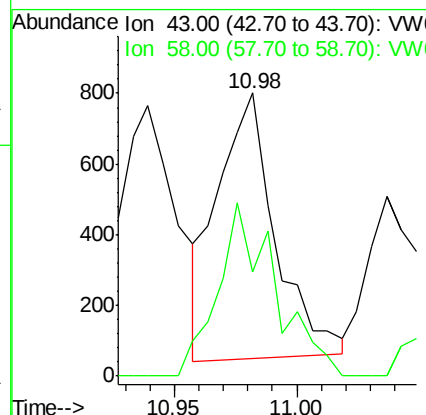
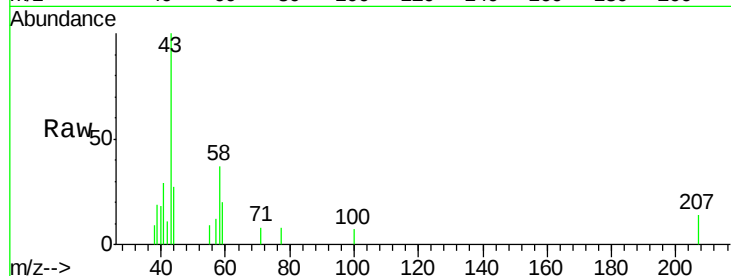




#59
2-Hexanone
Concen: 1.656 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VW003484.D
Acq: 24 Jun 2018 03:13

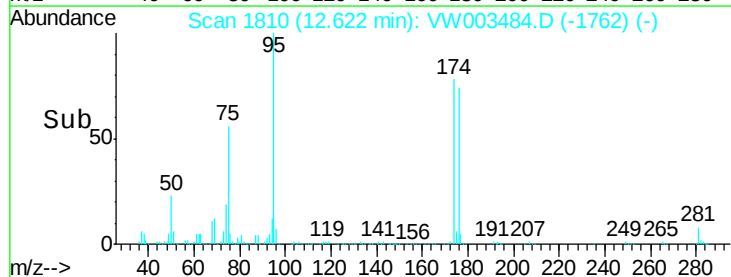
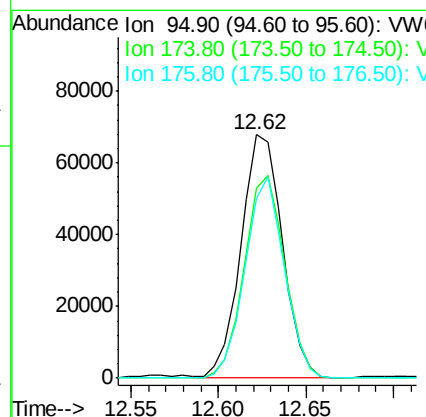
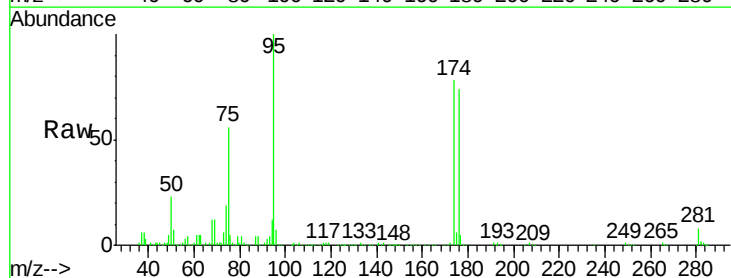
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-15-17-180621

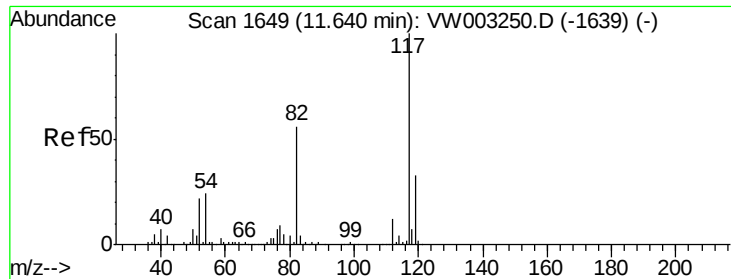
Tgt Ion: 43 Resp: 1221
Ion Ratio Lower Upper
43 100
58 65.4 25.0 75.0



#62
4-Bromofluorobenzene
Concen: 48.981 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VW003484.D
Acq: 24 Jun 2018 03:13

Tgt Ion: 95 Resp: 111329
Ion Ratio Lower Upper
95 100
174 82.1 0.0 166.4
176 78.7 0.0 162.0

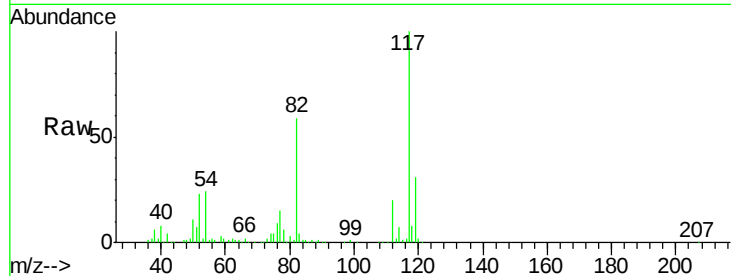




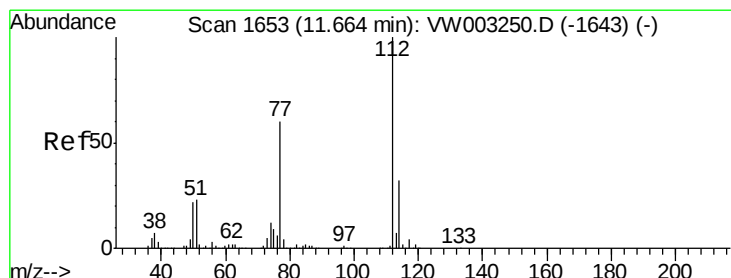
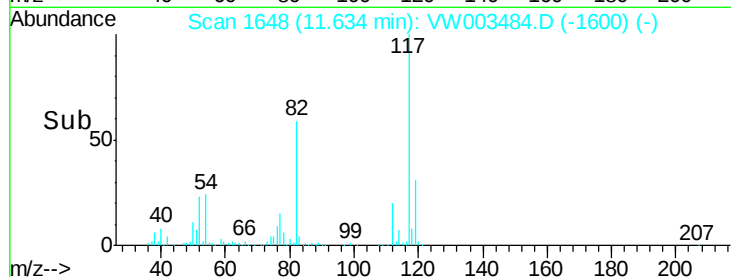
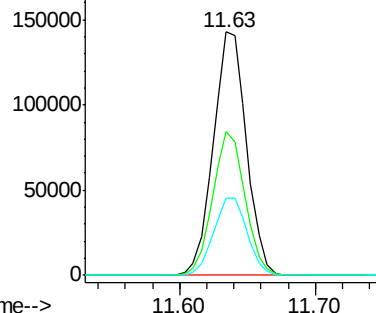
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003484.D
Acq: 24 Jun 2018 03:13

Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-15-17-180621

Tgt Ion:117 Resp: 242798
Ion Ratio Lower Upper
117 100
82 59.1 44.6 67.0
119 31.5 26.7 40.1

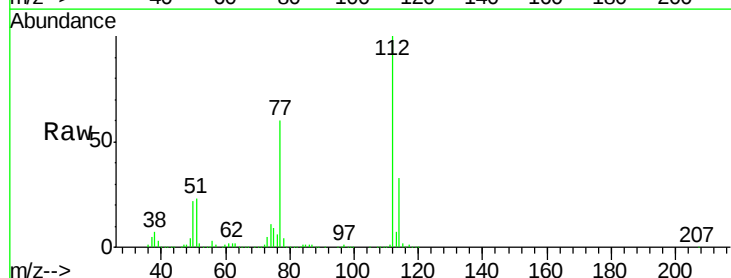


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

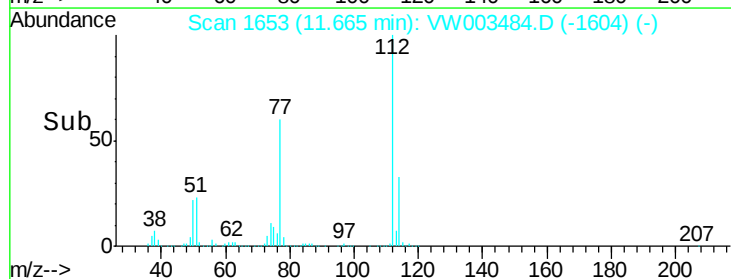
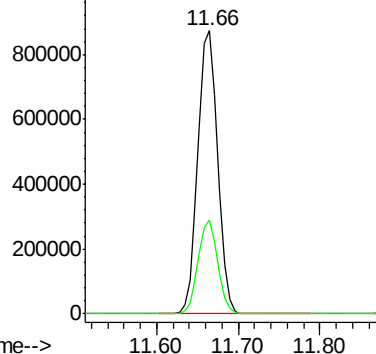


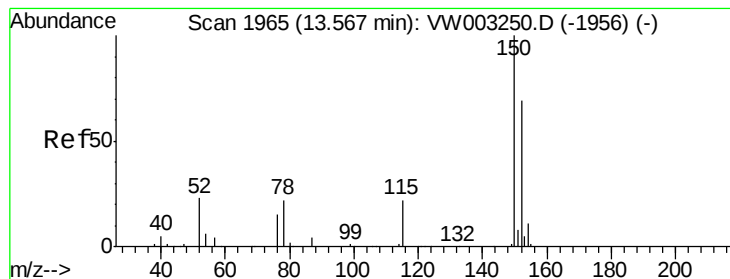
#65
Chlorobenzene
Concen: 287.650 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003484.D
Acq: 24 Jun 2018 03:13

Tgt Ion:112 Resp: 1454377
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

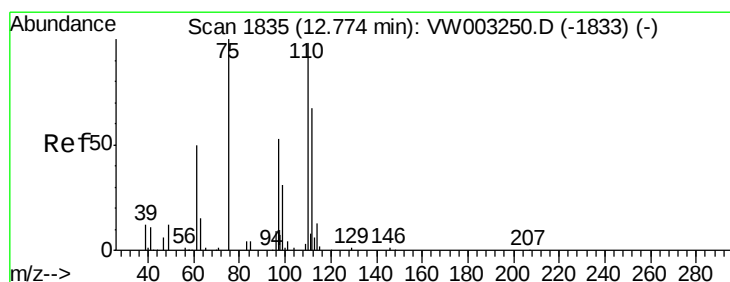
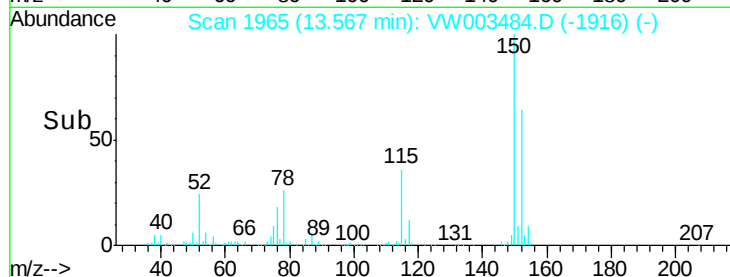
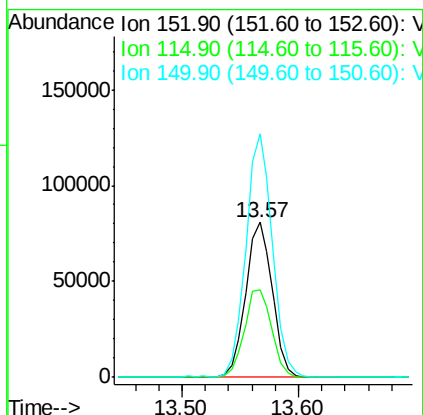
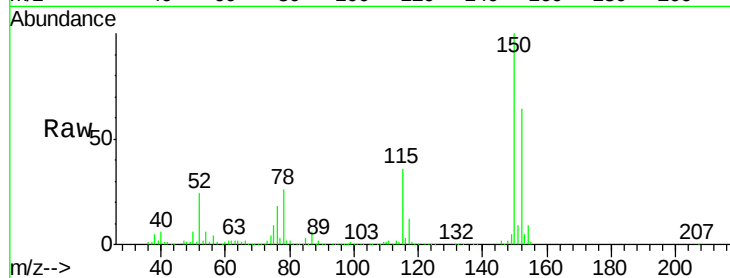




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VW003484.D
 Acq: 24 Jun 2018 03:13

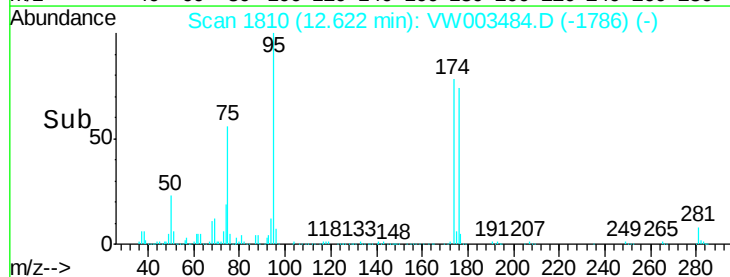
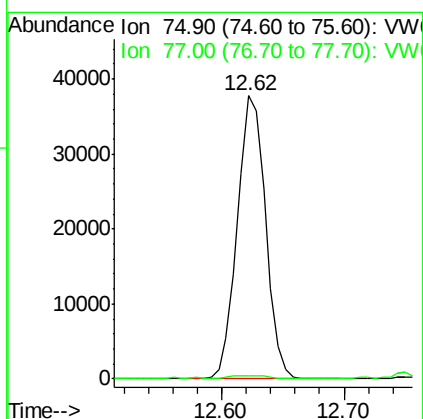
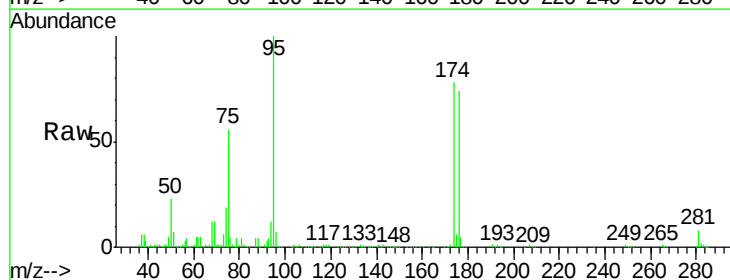
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-15-17-180621

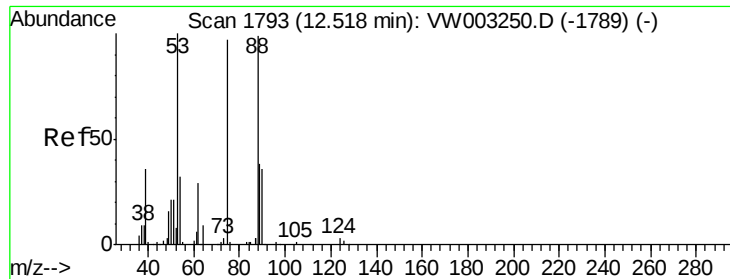
Tgt Ion: 152 Resp: 129020
 Ion Ratio Lower Upper
 152 100
 115 58.0 29.3 88.0
 150 155.7 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 54.821 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003484.D
 Acq: 24 Jun 2018 03:13

Tgt Ion: 75 Resp: 60466
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#

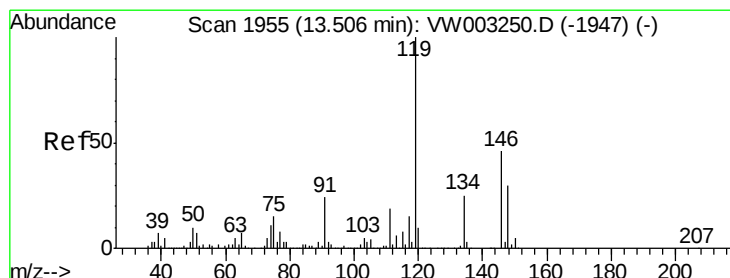
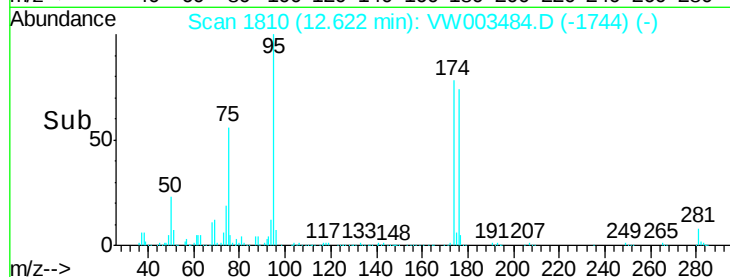
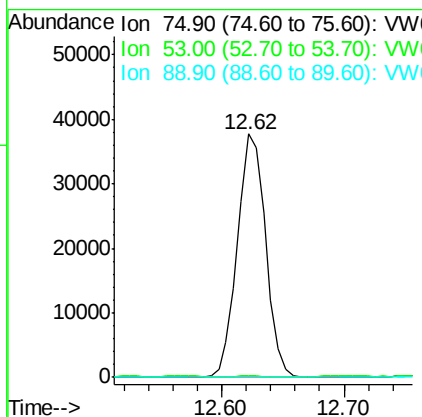
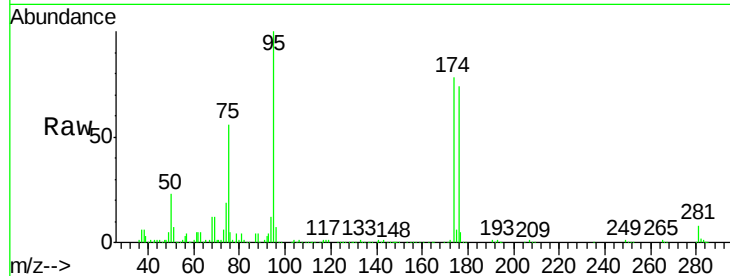




#81
trans-1,4-Dichloro-2-butene
Concen: 126.146 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW003484.D
Acq: 24 Jun 2018 03:13

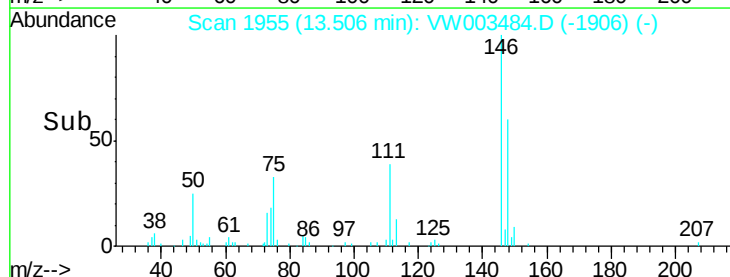
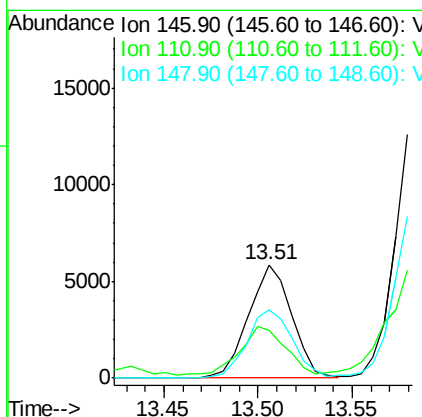
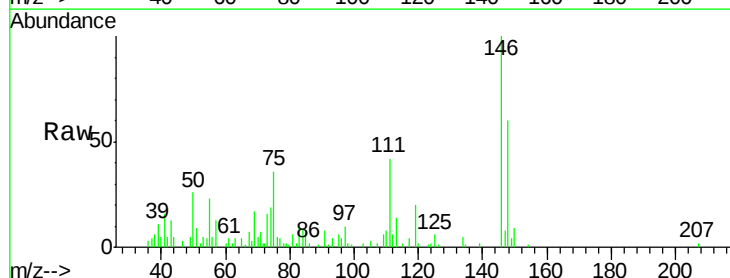
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-15-17-180621

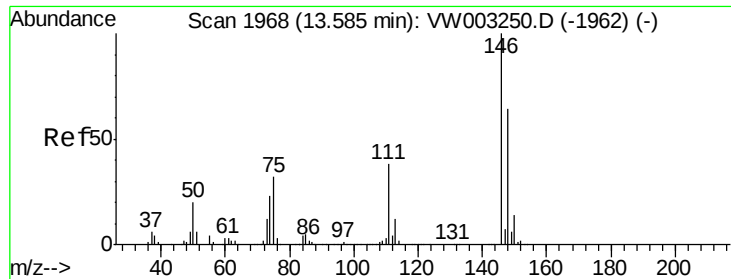
Tgt Ion: 75 Resp: 60466
Ion Ratio Lower Upper
75 100
53 0.6 82.9 124.3#
89 0.2 36.7 55.1#



#87
1,3-Dichlorobenzene
Concen: 2.167 ug/l
RT: 13.51 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW003484.D
Acq: 24 Jun 2018 03:13

Tgt Ion: 146 Resp: 9304
Ion Ratio Lower Upper
146 100
111 46.1 19.8 59.4
148 64.5 32.1 96.5

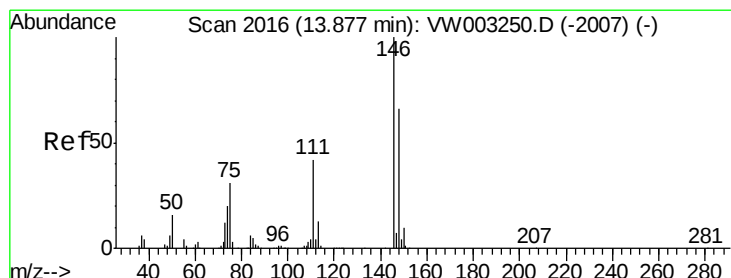
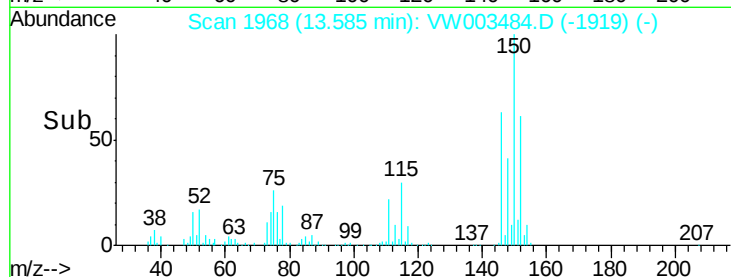
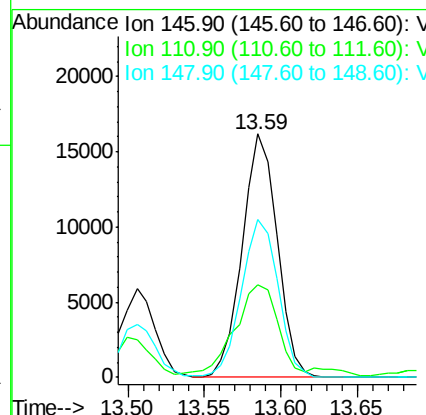
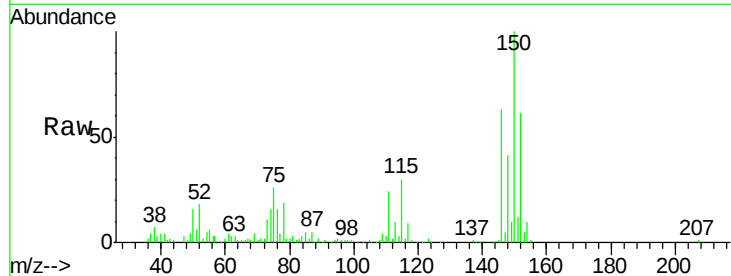




#88
 1,4-Dichlorobenzene
 Concen: 6.032 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003484.D
 Acq: 24 Jun 2018 03:13

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-15-17-180621

Tgt Ion:146 Resp: 25745
 Ion Ratio Lower Upper
 146 100
 111 44.7 19.2 57.6
 148 67.9 31.8 95.4



#91
 1,2-Dichlorobenzene
 Concen: 15.862 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003484.D
 Acq: 24 Jun 2018 03:13

Tgt Ion:146 Resp: 59652
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.3 61.0
 148 63.5 32.3 96.9

