

Data File : VW003518.D
Acq On : 24 Jun 2018 18:31
Operator : SY/AP
Sample : J3669-20
Misc : 5.49G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WP021SB475-29-31-180620

Quant Time: Jun 24 23:30:11 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	146786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	237240	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	217955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	107314	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	96874	60.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.86%	
35) Dibromofluoromethane	7.88	113	80061	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
50) Toluene-d8	10.33	98	277590	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
62) 4-Bromofluorobenzene	12.63	95	99538	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	

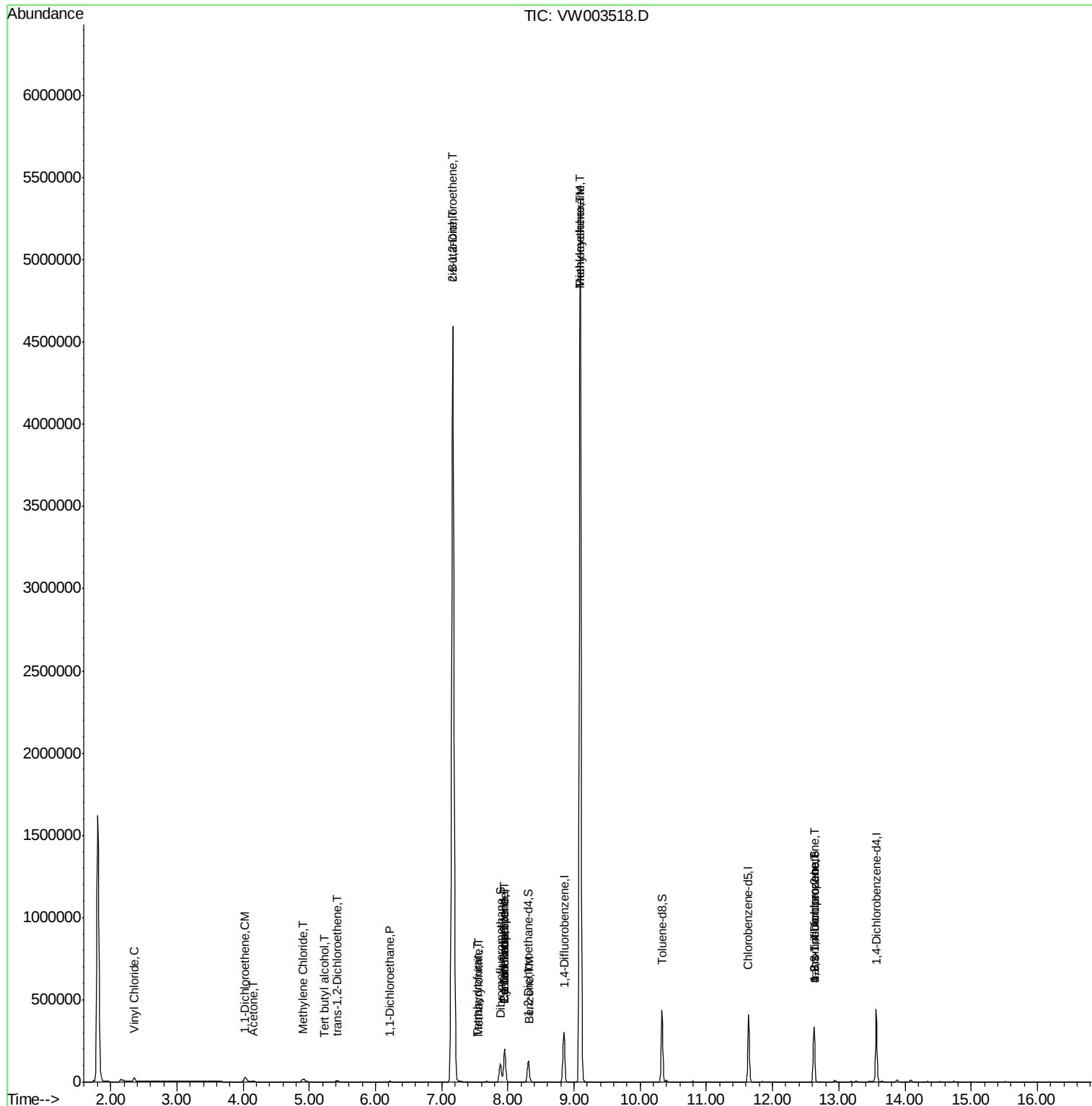
Target Compounds						Qvalue
4) Vinyl Chloride	2.36	62	21867	13.378	ug/l	99
11) Tert butyl alcohol	5.22	59	88	1.032	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	16930	12.741	ug/l	96
16) Acetone	4.14	43	14651	43.937	ug/l	95
20) Methylene Chloride	4.91	84	14805	7.318	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	4981	3.444	ug/l	90
24) 1,1-Dichloroethane	6.21	63	5133	1.867	ug/l	94
25) 2-Butanone	7.16	43	742	1.789	ug/l #	1
27) cis-1,2-Dichloroethene	7.17	96	2626587	1653.374	ug/l	93
29) Tetrahydrofuran	7.54	42	1138	4.491	ug/l #	57
31) Cyclohexane	7.95	56	3877	1.509	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	12271	5.356	ug/l #	51
38) Carbon Tetrachloride	7.95	117	15172	6.751	ug/l #	16
39) Methylcyclohexane	9.09	83	22655	8.546	ug/l #	1
40) Benzene	8.33	78	7643	1.210	ug/l	91
41) Methacrylonitrile	7.54	41	836	1.435	ug/l #	52
44) Trichloroethene	9.09	130	1799804	1075.523	ug/l	96
76) 1,2,3-Trichloropropane	12.63	75	55933	60.968	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	55933	140.292	ug/l #	8

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003518.D

Acq: 24 Jun 2018 18:31

Instrument :

MSVOA_W

ClientSampleId :

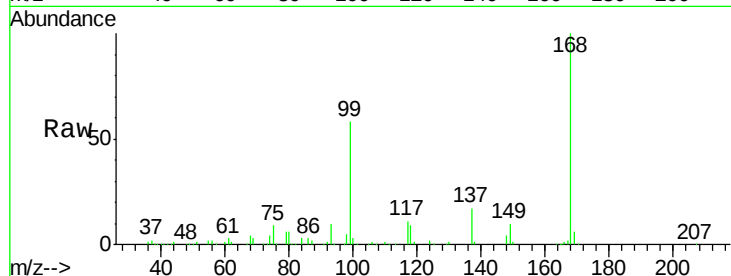
WP021SB475-29-31-180620

Tgt Ion:168 Resp: 146786

Ion Ratio Lower Upper

168 100

99 57.5 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

60000

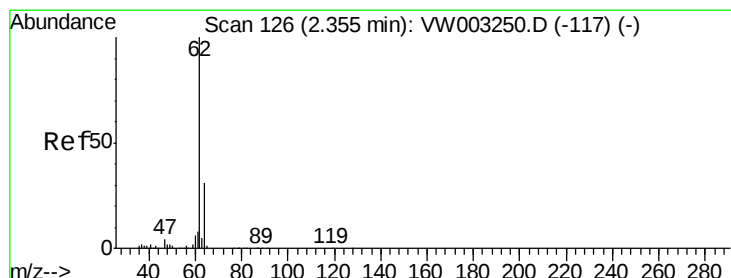
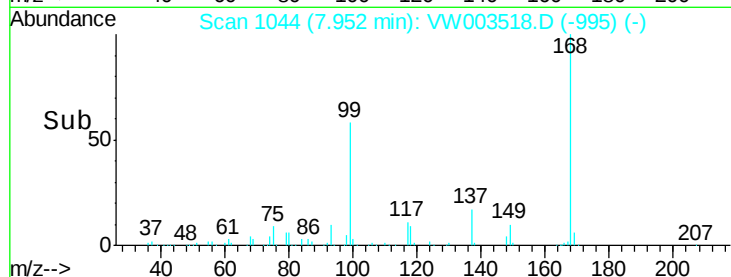
40000

20000

0

Time-->

7.90 8.00



#4

Vinyl Chloride

Concen: 13.378 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003518.D

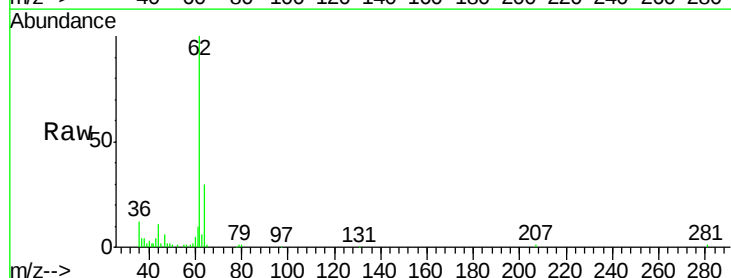
Acq: 24 Jun 2018 18:31

Tgt Ion: 62 Resp: 21867

Ion Ratio Lower Upper

62 100

64 30.5 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

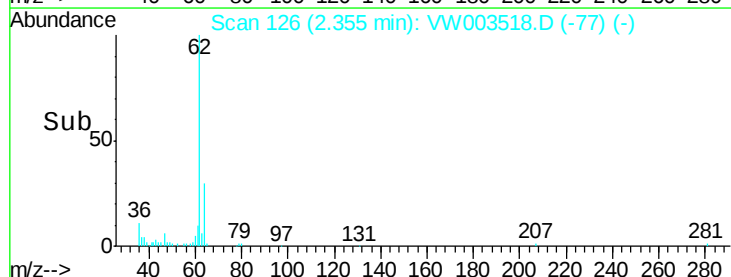
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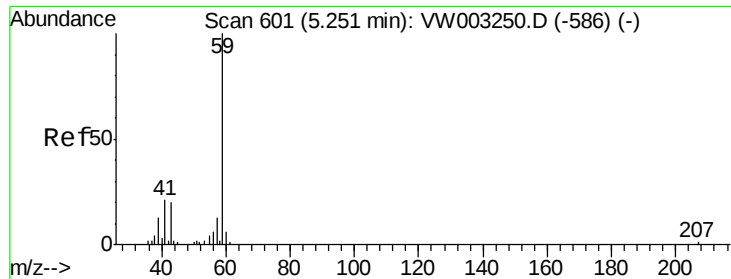
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Time-->

2.25 2.30 2.35 2.40 2.45



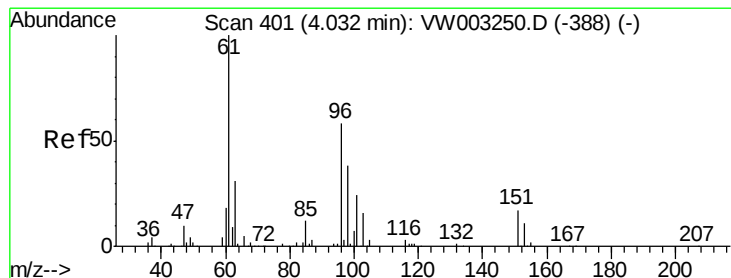
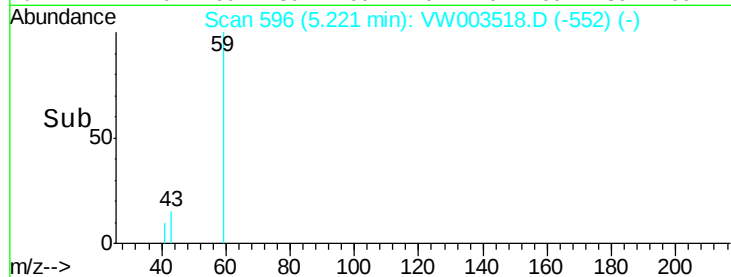
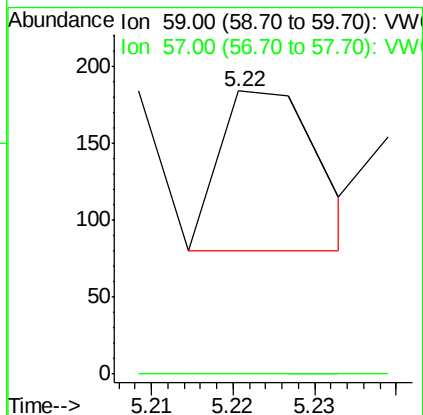
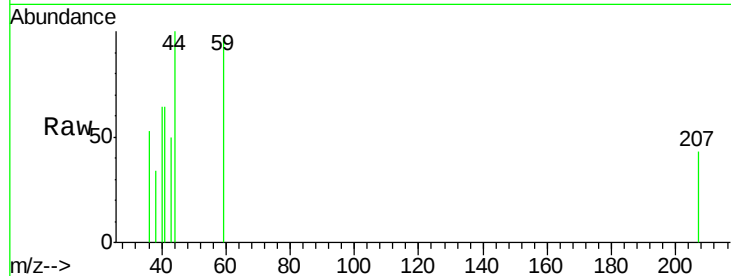


#11

Tert butyl alcohol
 Concen: 1.032 ug/l
 RT: 5.22 min Scan# 596
 Delta R.T. -0.03 min
 Lab File: VW003518.D
 Acq: 24 Jun 2018 18:31

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB475-29-31-180620

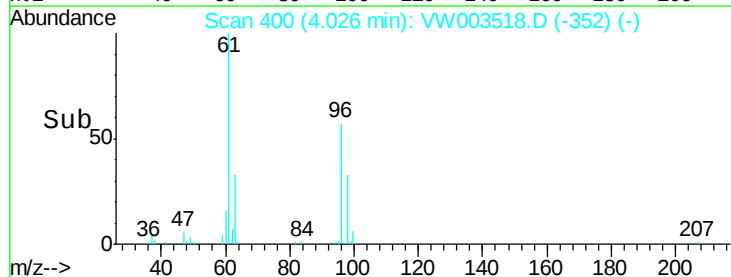
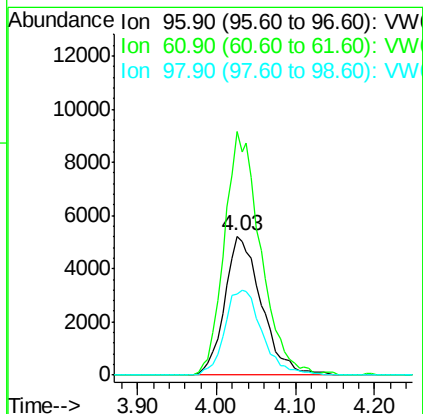
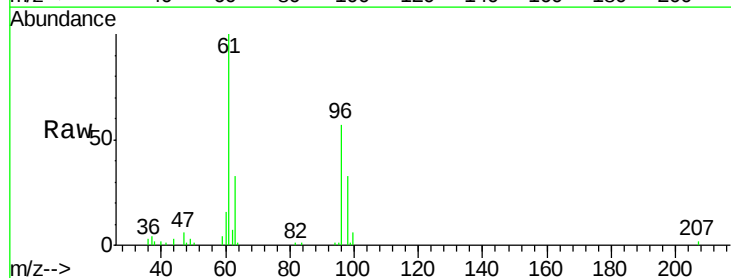
Tgt Ion: 59 Resp: 88
 Ion Ratio Lower Upper
 59 100
 57 0.0 4.2 6.2#

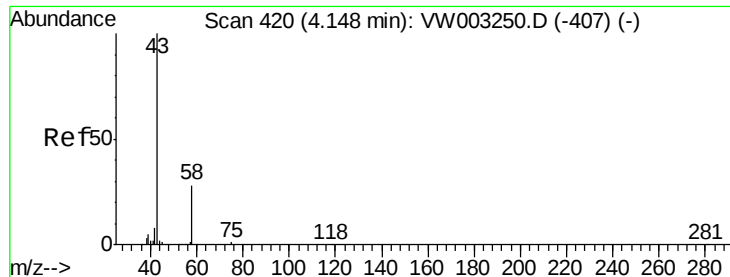


#12

1,1-Dichloroethene
 Concen: 12.741 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: VW003518.D
 Acq: 24 Jun 2018 18:31

Tgt Ion: 96 Resp: 16930
 Ion Ratio Lower Upper
 96 100
 61 175.4 139.0 208.4
 98 58.2 53.3 79.9





#16

Acetone

Concen: 43.937 ug/l

RT: 4.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VW003518.D

Acq: 24 Jun 2018 18:31

Instrument :

MSVOA_W

ClientSampleId :

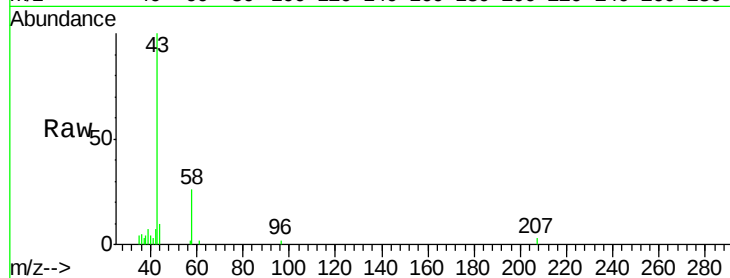
WP021SB475-29-31-180620

Tgt Ion: 43 Resp: 14651

Ion Ratio Lower Upper

43 100

58 25.6 22.6 34.0



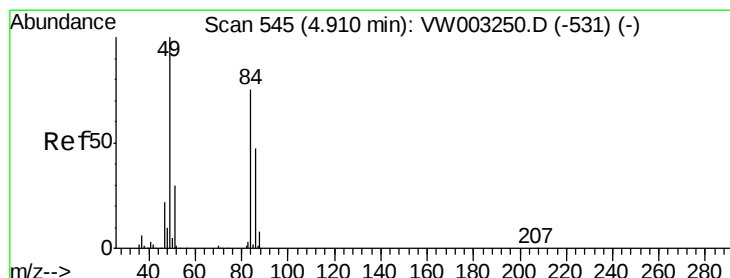
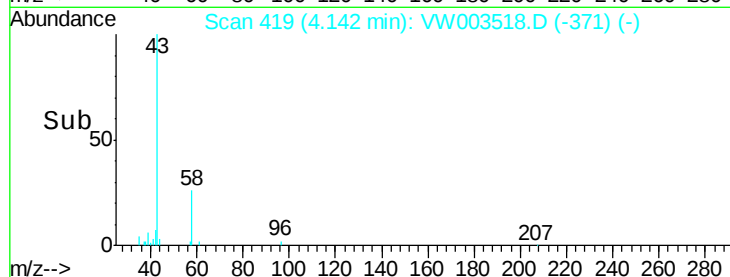
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

4.10 4.20

Time-->



#20

Methylene Chloride

Concen: 7.318 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003518.D

Acq: 24 Jun 2018 18:31

Tgt Ion: 84 Resp: 14805

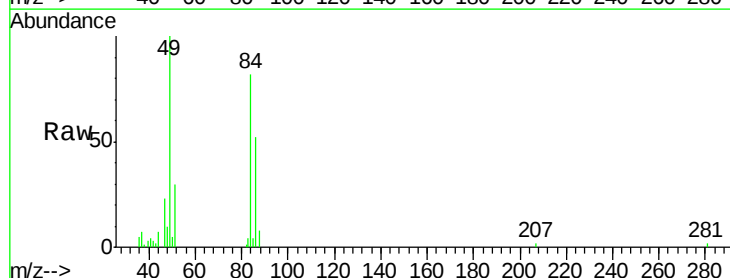
Ion Ratio Lower Upper

84 100

49 122.0 106.3 159.5

51 36.3 32.0 48.0

86 63.1 49.9 74.9



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

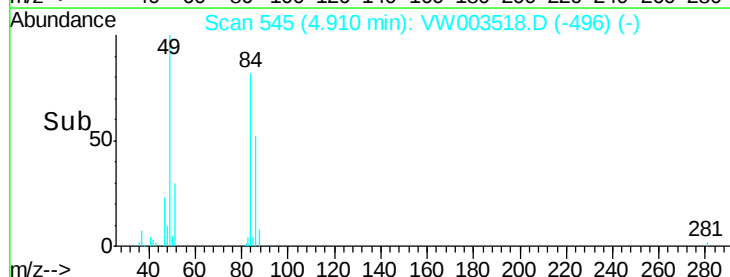
Ion 50.90 (50.60 to 51.60): VW

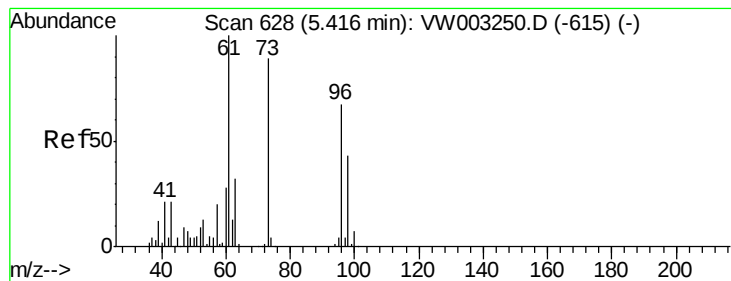
Ion 85.90 (85.60 to 86.60): VW

4.91

4.80 5.00

Time-->





#21

trans-1,2-Dichloroethene

Concen: 3.444 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003518.D

Acq: 24 Jun 2018 18:31

Instrument :

MSVOA_W

ClientSampleId :

WP021SB475-29-31-180620

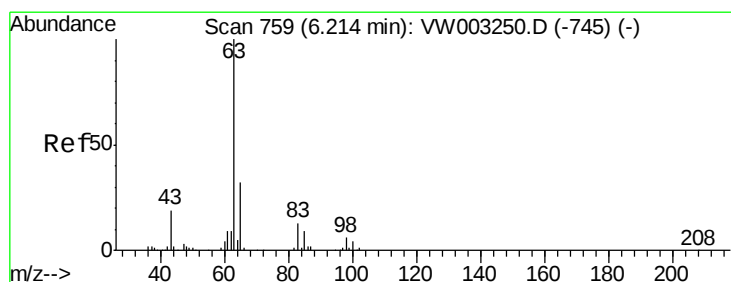
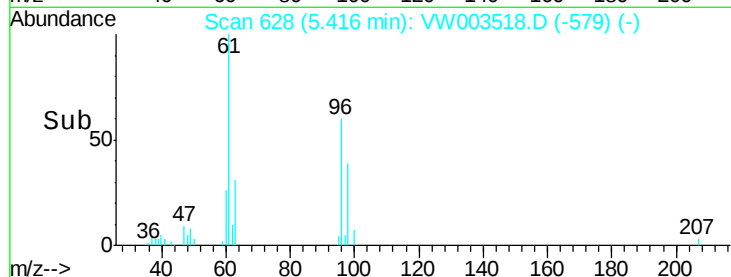
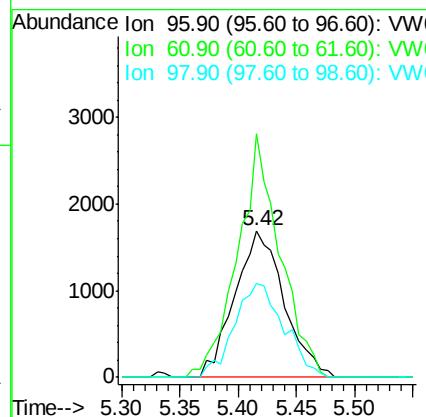
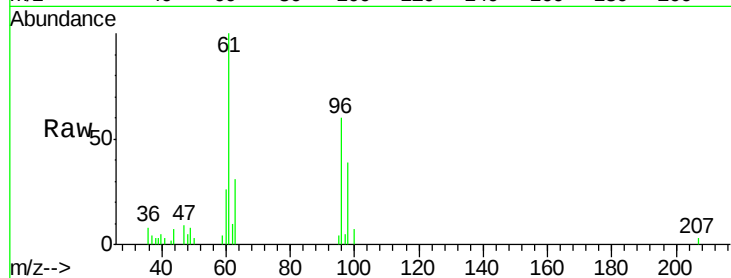
Tgt Ion: 96 Resp: 4981

Ion Ratio Lower Upper

96 100

61 165.8 118.7 178.1

98 63.9 51.0 76.6



#24

1,1-Dichloroethane

Concen: 1.867 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003518.D

Acq: 24 Jun 2018 18:31

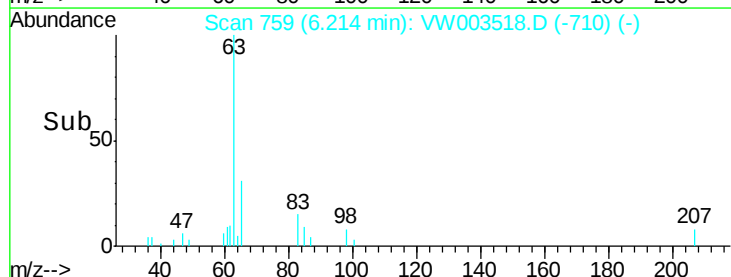
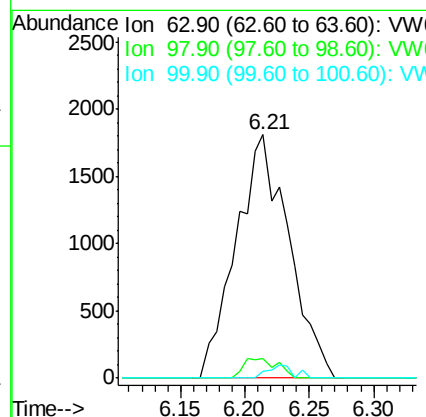
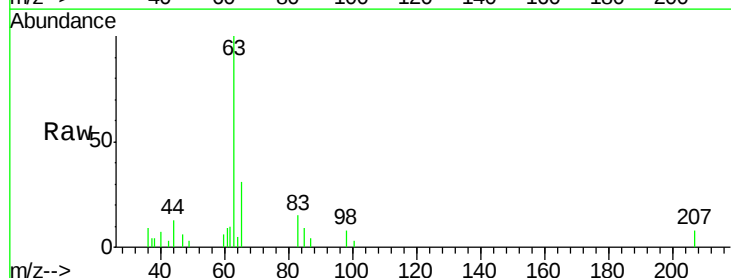
Tgt Ion: 63 Resp: 5133

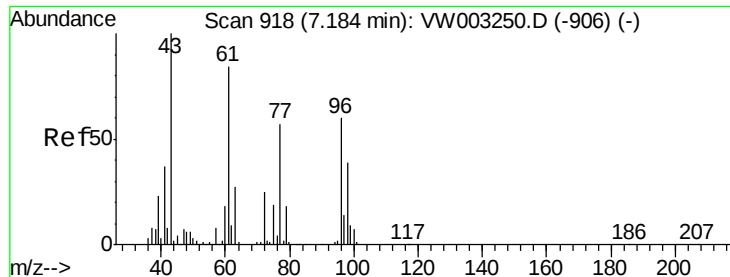
Ion Ratio Lower Upper

63 100

98 8.1 2.8 8.3

100 2.8 2.1 6.5

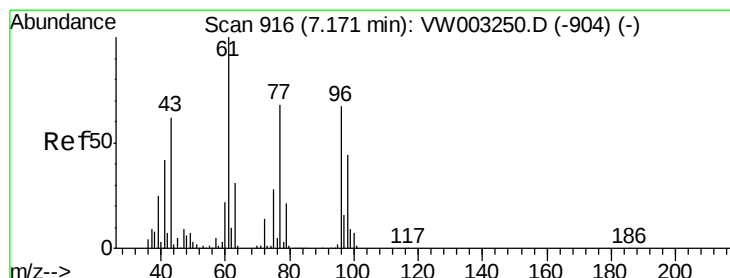
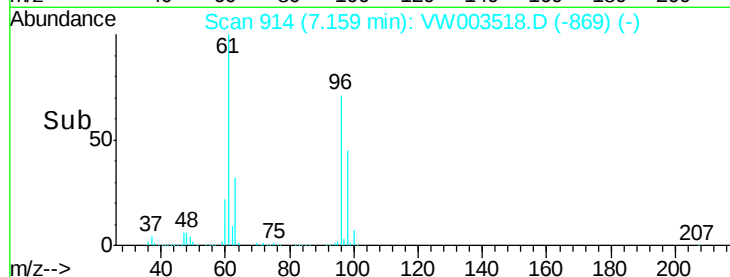
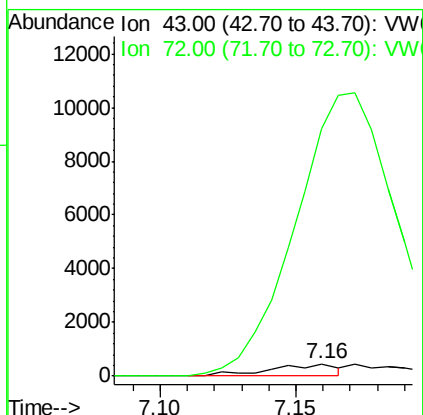
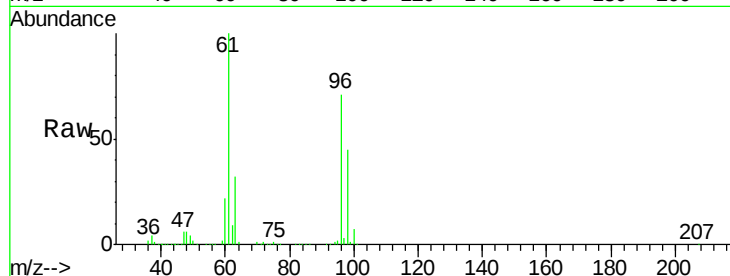




#25
 2-Butanone
 Concen: 1.789 ug/l
 RT: 7.16 min Scan# 914
 Delta R.T. -0.02 min
 Lab File: VW003518.D
 Acq: 24 Jun 2018 18:31

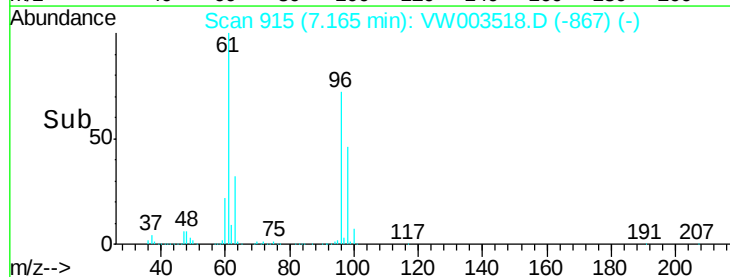
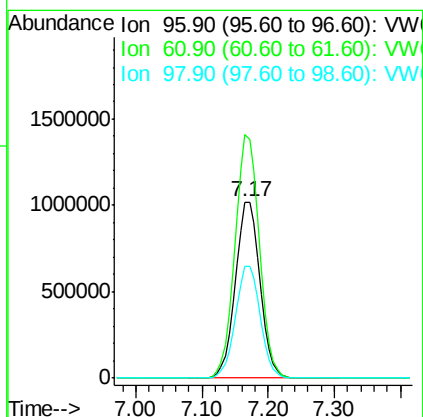
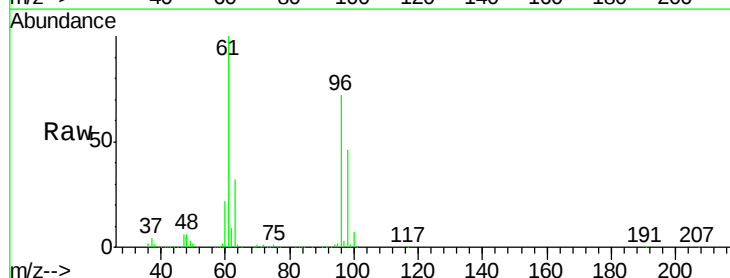
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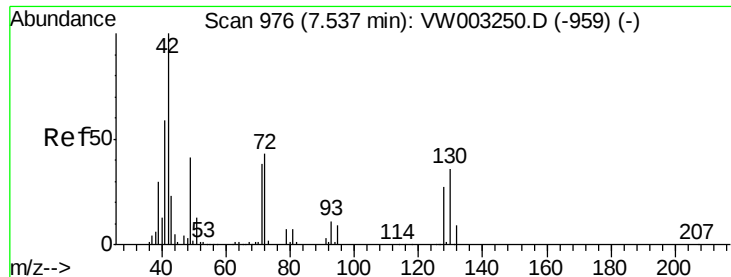
Tgt Ion: 43 Resp: 742
 Ion Ratio Lower Upper
 43 100
 72 1966.2 20.3 30.5#



#27
 cis-1,2-Dichloroethene
 Concen: 1653.374 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VW003518.D
 Acq: 24 Jun 2018 18:31

Tgt Ion: 96 Resp: 2626587
 Ion Ratio Lower Upper
 96 100
 61 136.9 0.0 298.8
 98 63.7 0.0 130.4

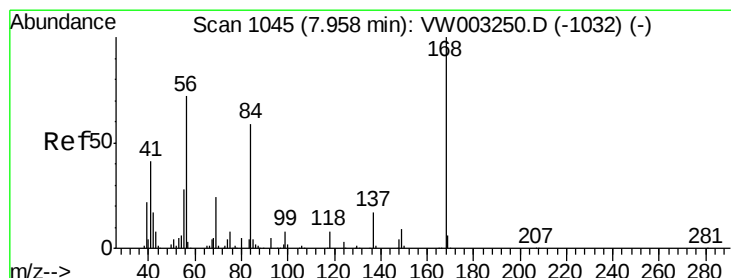
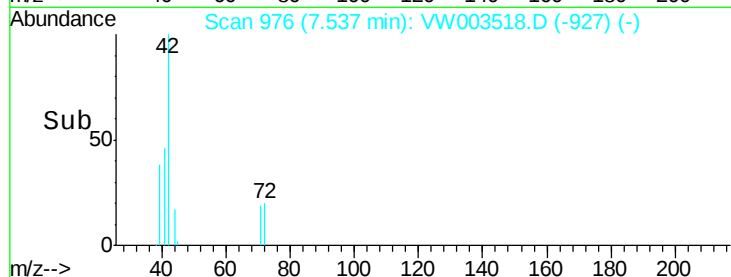
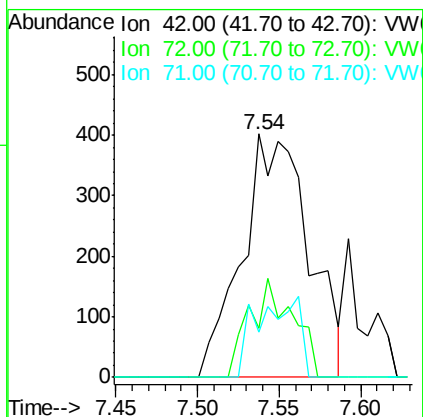
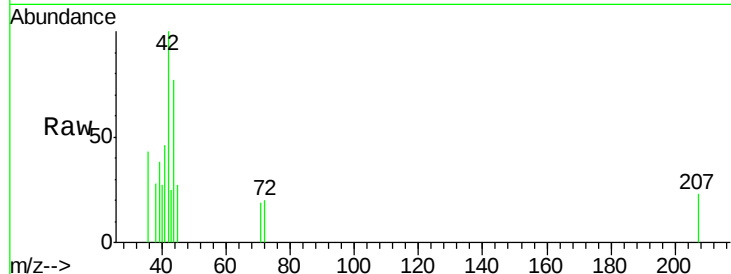




#29
Tetrahydrofuran
Concen: 4.491 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW003518.D
Acq: 24 Jun 2018 18:31

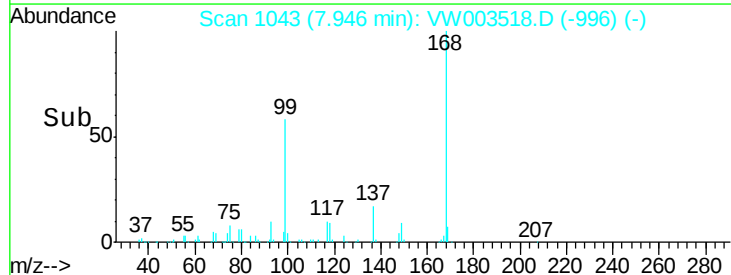
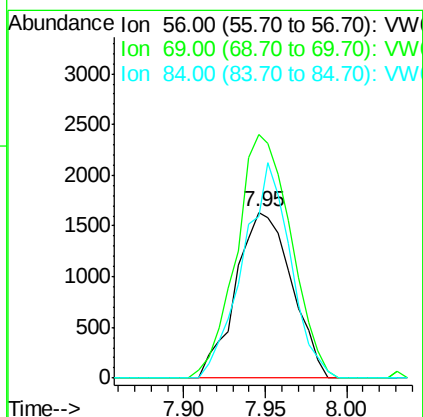
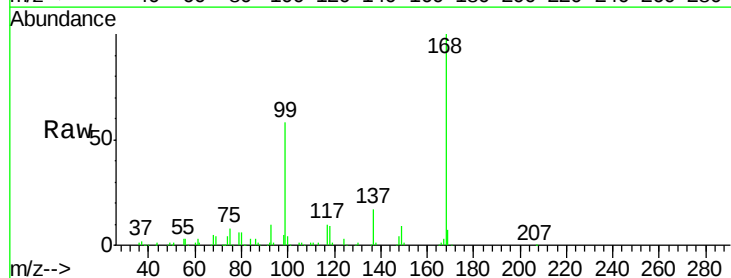
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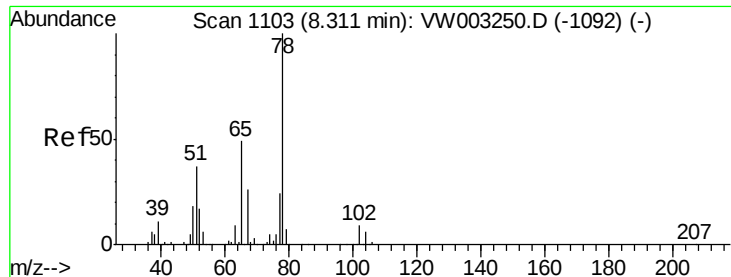
Tgt Ion: 42 Resp: 1138
Ion Ratio Lower Upper
42 100
72 26.3 32.4 48.6#
71 0.0 31.2 46.8#



#31
Cyclohexane
Concen: 1.509 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003518.D
Acq: 24 Jun 2018 18:31

Tgt Ion: 56 Resp: 3877
Ion Ratio Lower Upper
56 100
69 147.1 26.3 39.5#
84 97.7 65.7 98.5





#33

1,2-Dichloroethane-d4

Concen: 60.930 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003518.D

Acq: 24 Jun 2018 18:31

Instrument :

MSVOA_W

ClientSampleId :

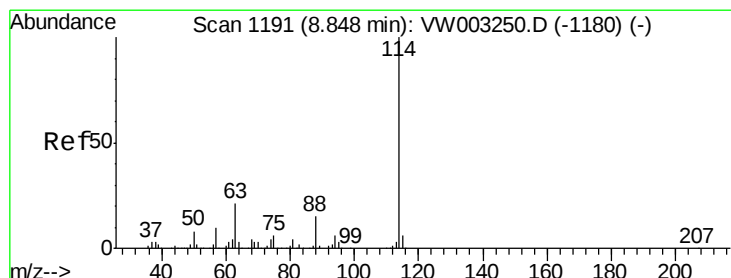
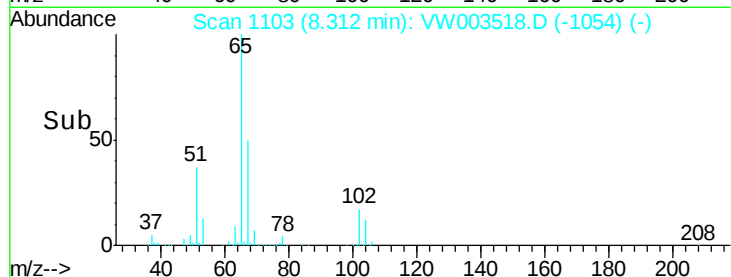
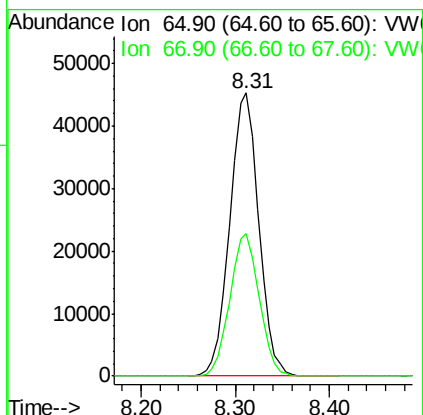
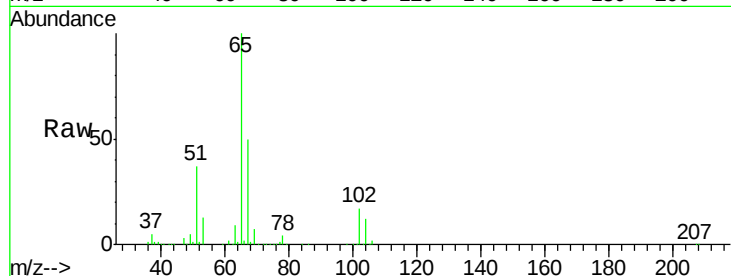
WP021SB475-29-31-180620

Tgt Ion: 65 Resp: 96874

Ion Ratio Lower Upper

65 100

67 50.9 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: VW003518.D

Acq: 24 Jun 2018 18:31

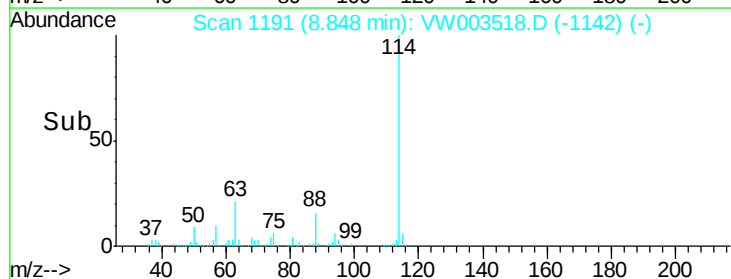
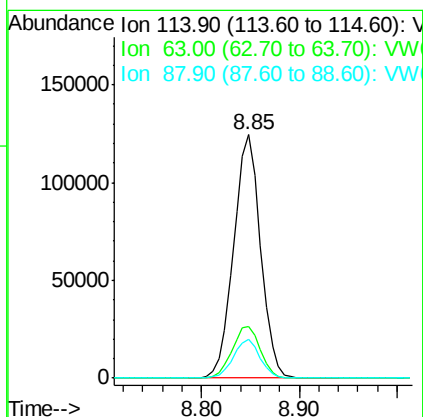
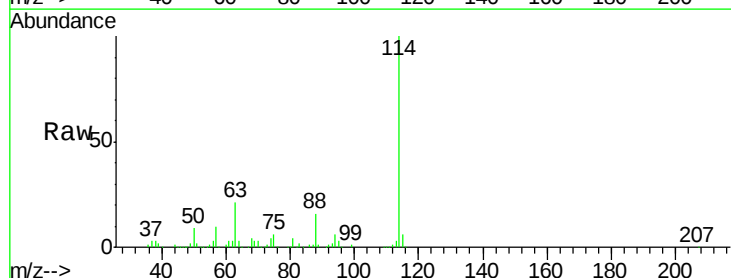
Tgt Ion: 114 Resp: 237240

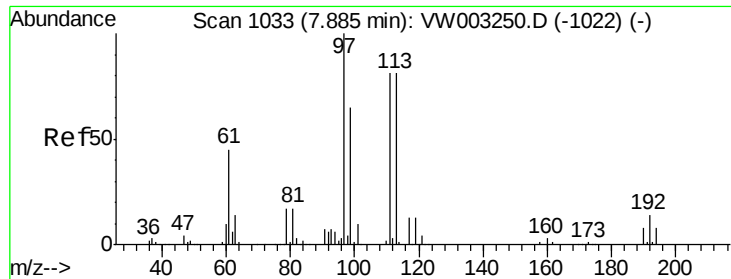
Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.0

88 16.1 0.0 29.6

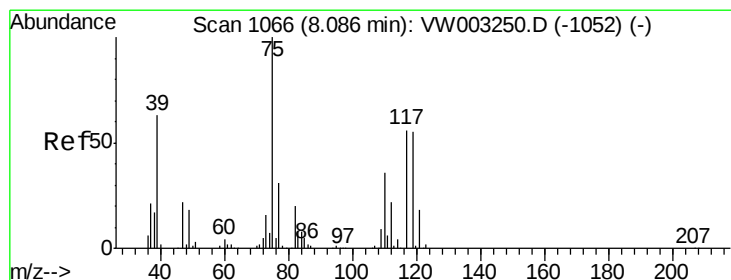
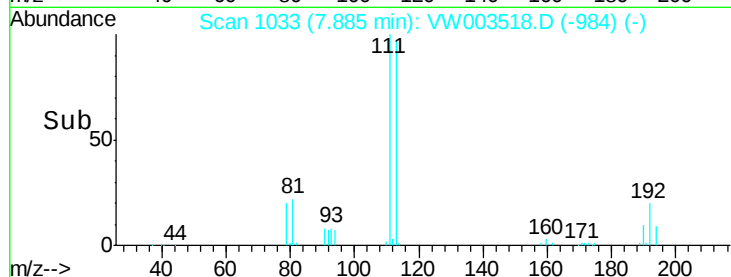
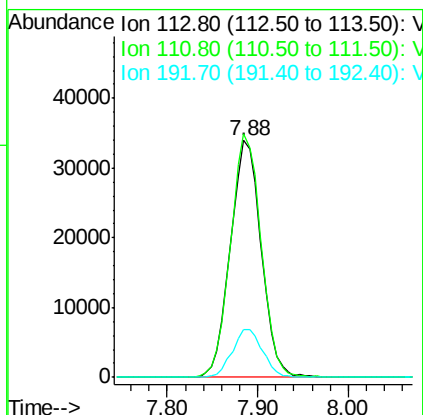
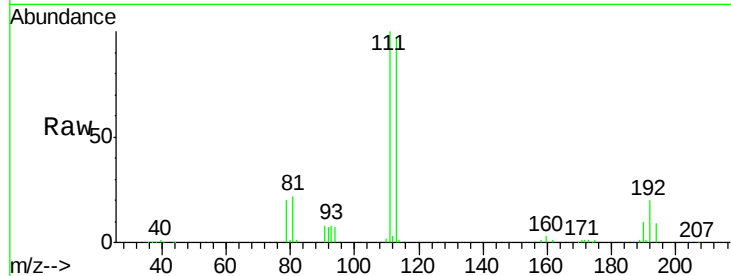




#35
 Dibromofluoromethane
 Concen: 54.310 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003518.D
 Acq: 24 Jun 2018 18:31

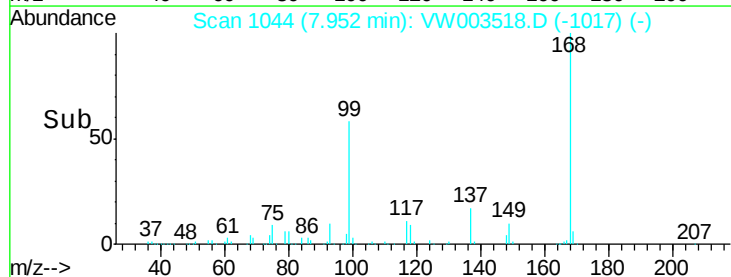
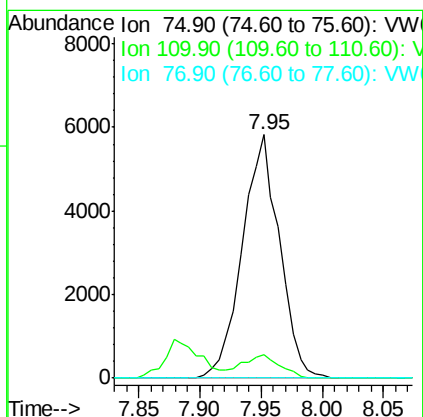
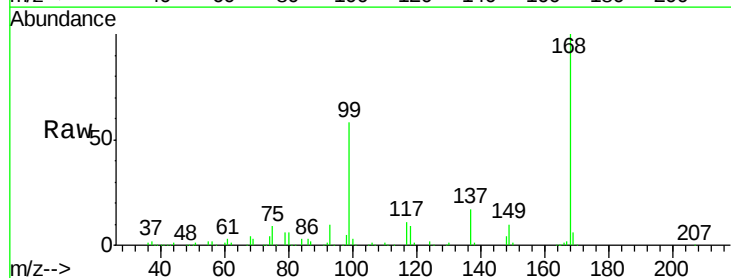
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB475-29-31-180620

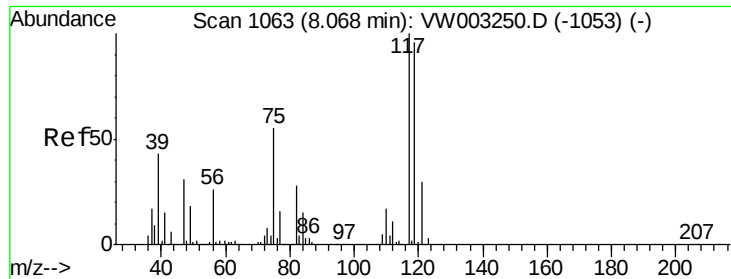
Tgt Ion:113 Resp: 80061
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.2 123.2
 192 20.0 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.356 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003518.D
 Acq: 24 Jun 2018 18:31

Tgt Ion: 75 Resp: 12271
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.1 51.3#
 77 0.0 24.9 37.3#

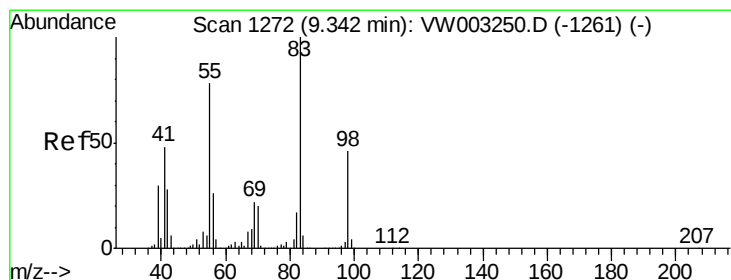
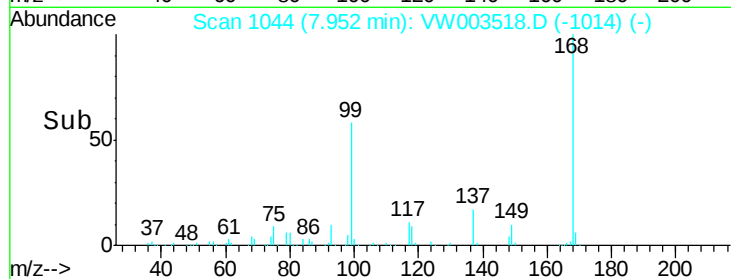
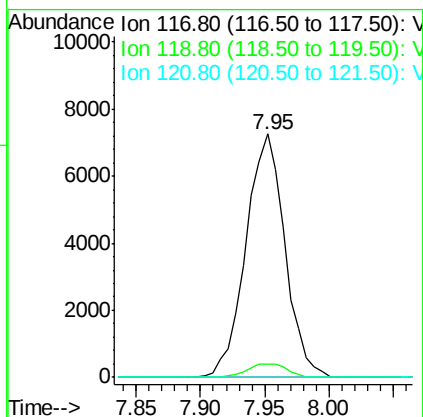
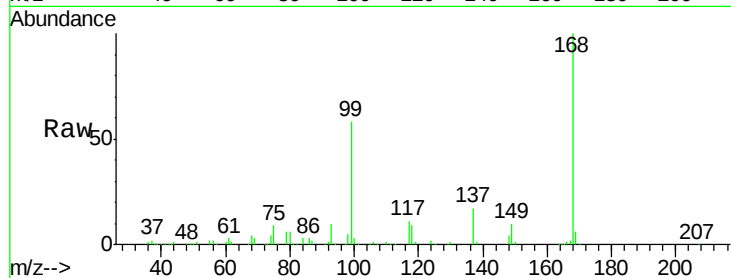




#38
Carbon Tetrachloride
Concen: 6.751 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW003518.D
Acq: 24 Jun 2018 18:31

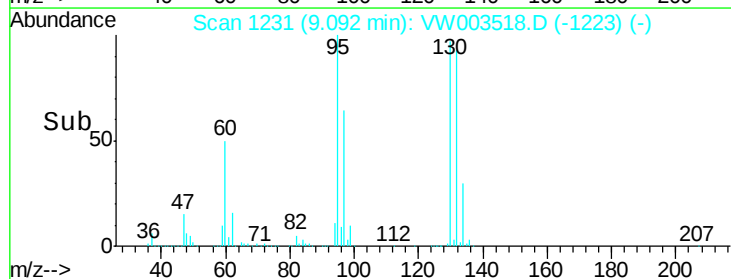
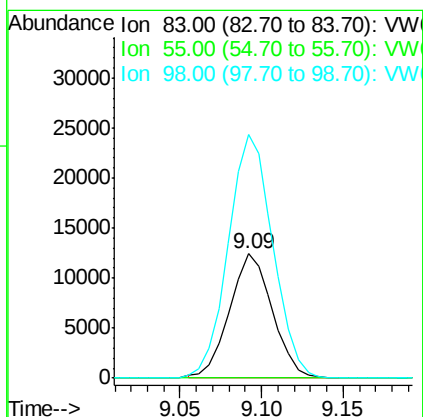
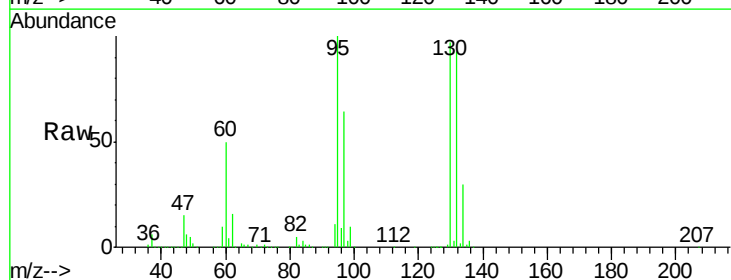
Instrument :
MSVOA_W
ClientSampleId :
WP021SB475-29-31-180620

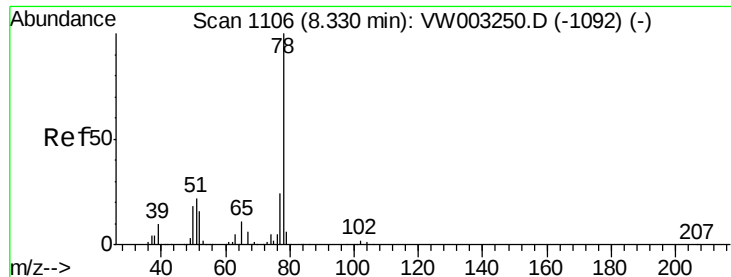
Tgt Ion: 117 Resp: 15172
Ion Ratio Lower Upper
117 100
119 5.2 76.6 115.0#
121 0.0 23.9 35.9#



#39
Methylcyclohexane
Concen: 8.546 ug/l
RT: 9.09 min Scan# 1231
Delta R.T. -0.25 min
Lab File: VW003518.D
Acq: 24 Jun 2018 18:31

Tgt Ion: 83 Resp: 22655
Ion Ratio Lower Upper
83 100
55 0.0 62.6 93.8#
98 196.1 37.0 55.4#





#40

Benzene

Concen: 1.210 ug/l

RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VW003518.D

Acq: 24 Jun 2018 18:31

Instrument :

MSVOA_W

ClientSampleId :

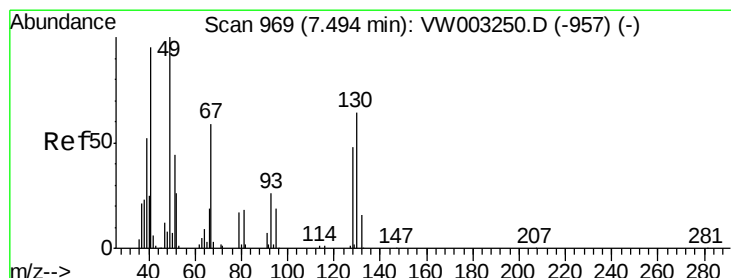
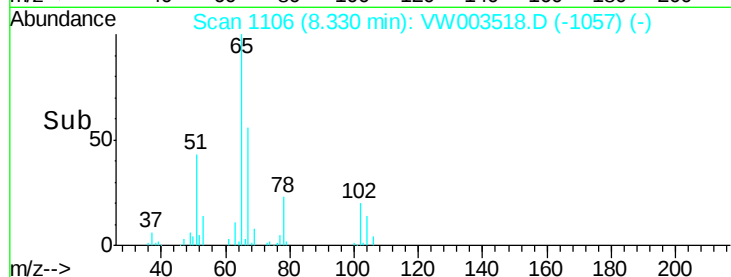
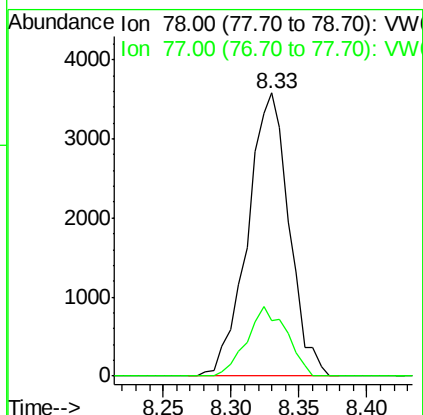
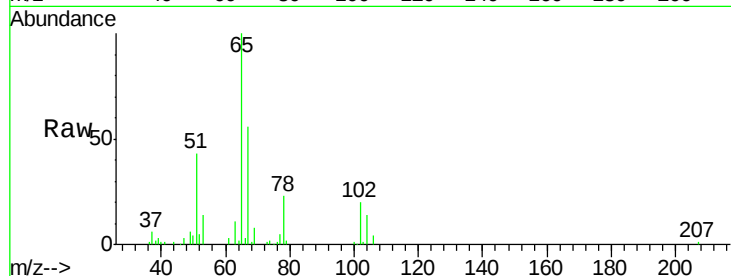
WP021SB475-29-31-180620

Tgt Ion: 78 Resp: 7643

Ion Ratio Lower Upper

78 100

77 19.5 19.0 28.6



#41

Methacrylonitrile

Concen: 1.435 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.05 min

Lab File: VW003518.D

Acq: 24 Jun 2018 18:31

Tgt Ion: 41 Resp: 836

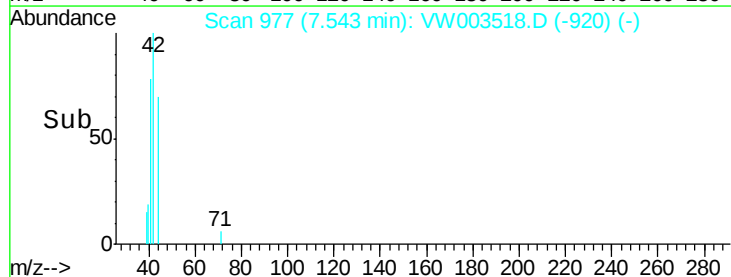
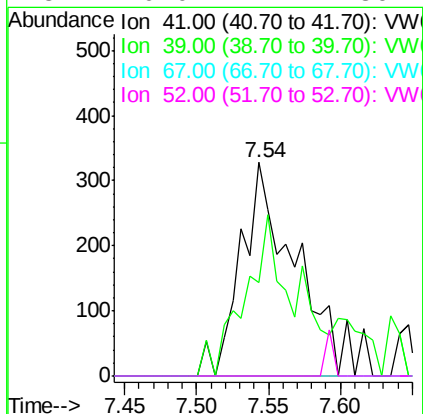
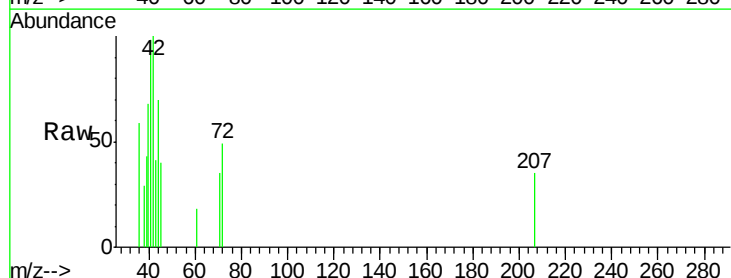
Ion Ratio Lower Upper

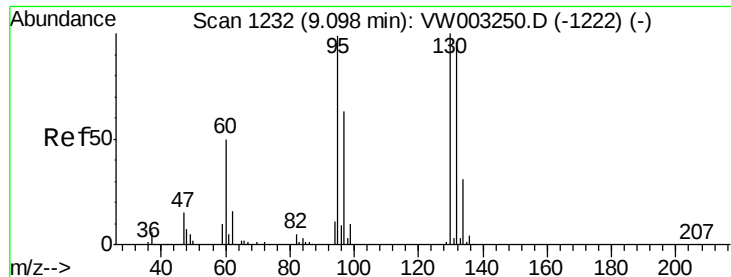
41 100

39 53.9 45.8 68.8

67 0.0 52.3 78.5#

52 0.0 24.1 36.1#

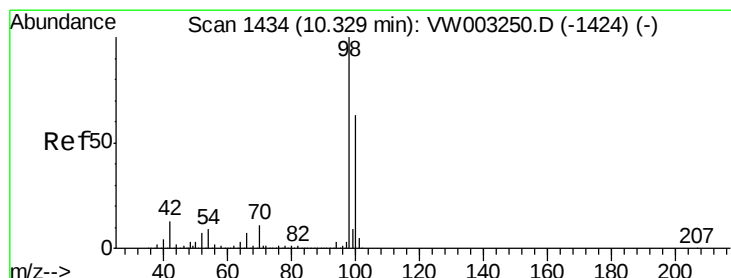
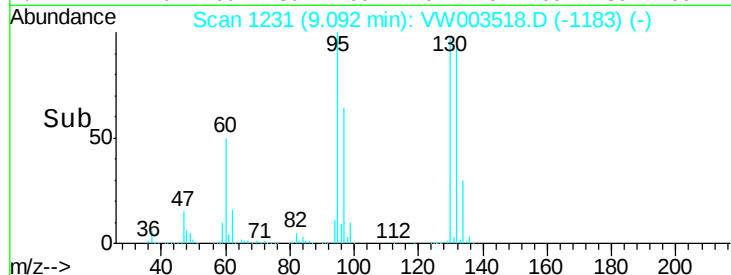
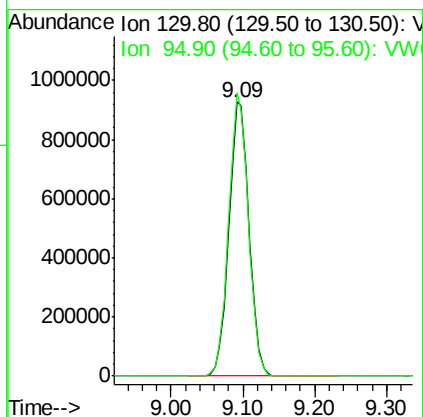
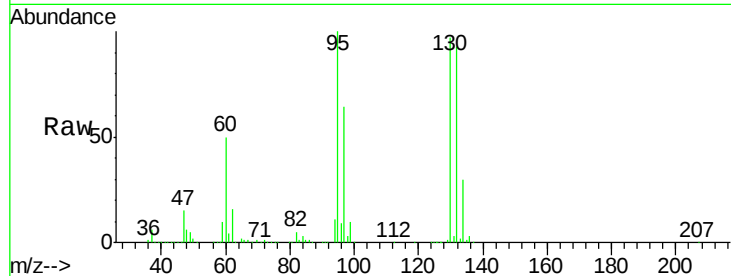




#44
 Trichloroethene
 Concen: 1075.523 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VW003518.D
 Acq: 24 Jun 2018 18:31

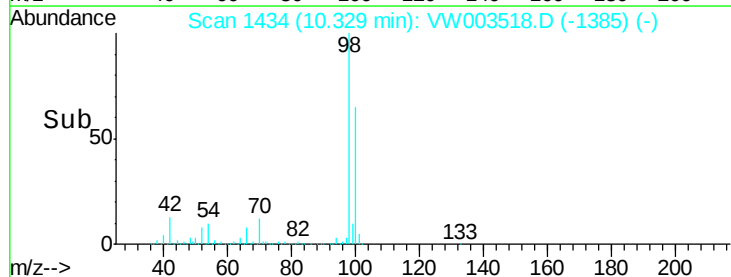
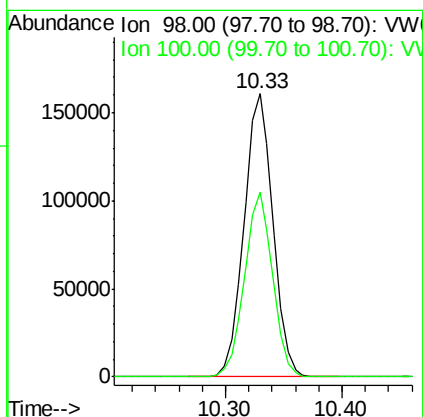
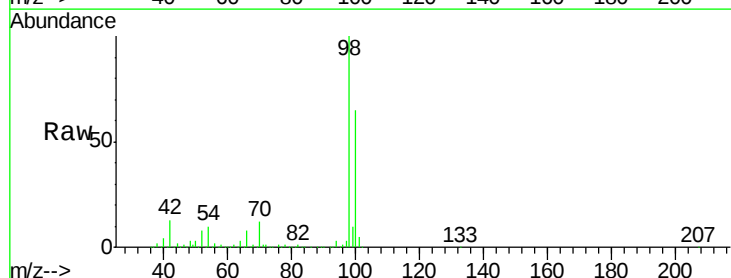
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB475-29-31-180620

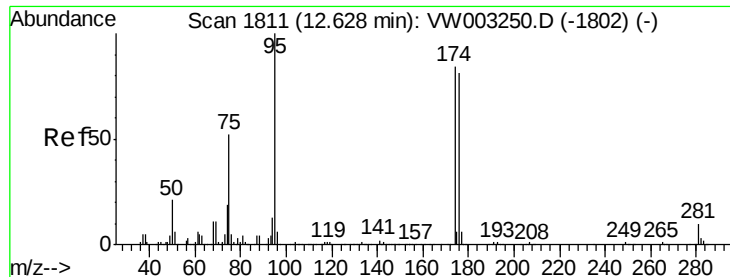
Tgt Ion:130 Resp: 1799804
 Ion Ratio Lower Upper
 130 100
 95 103.4 0.0 198.0



#50
 Toluene-d8
 Concen: 47.490 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW003518.D
 Acq: 24 Jun 2018 18:31

Tgt Ion: 98 Resp: 277590
 Ion Ratio Lower Upper
 98 100
 100 63.3 50.8 76.2

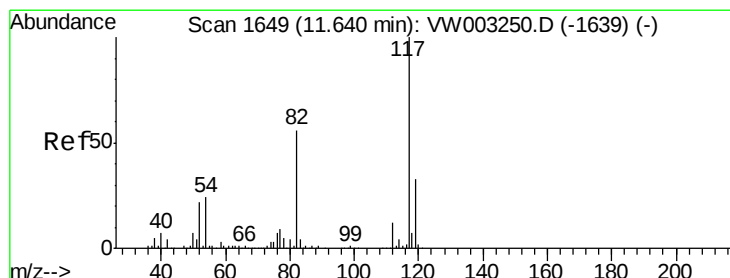
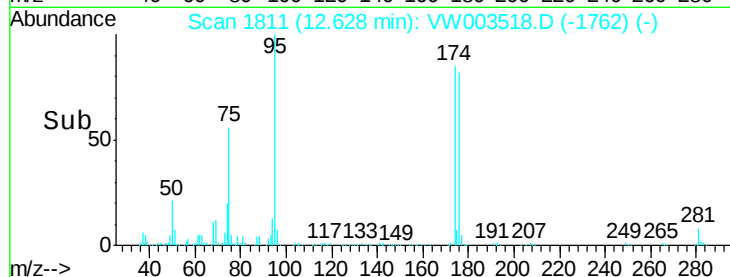
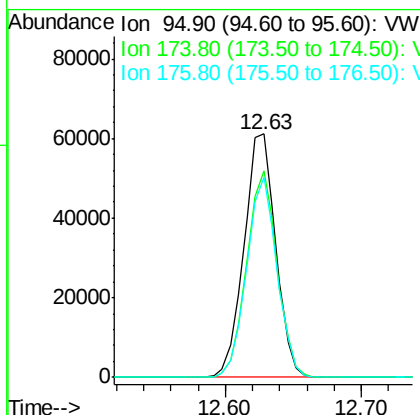
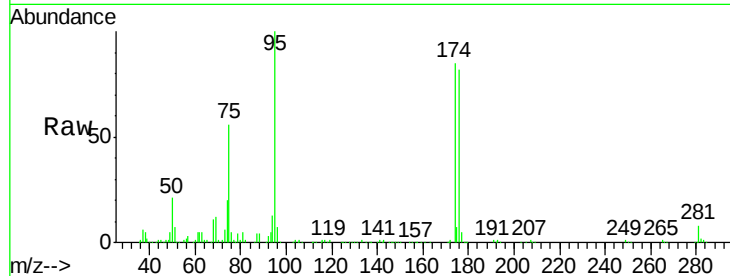




#62
4-Bromofluorobenzene
Concen: 48.119 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW003518.D
Acq: 24 Jun 2018 18:31

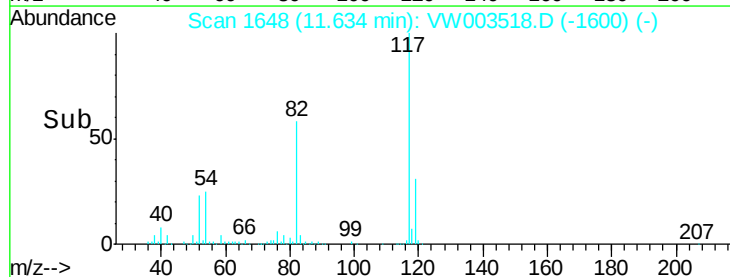
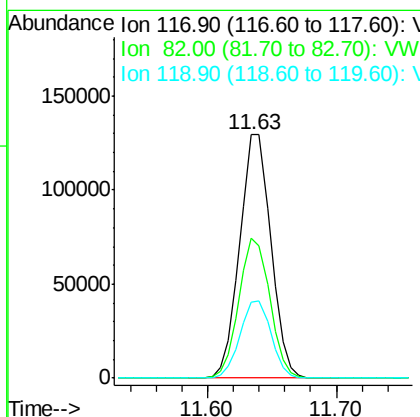
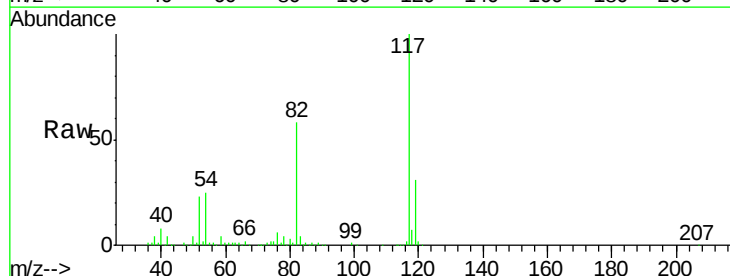
Instrument :
MSVOA_W
ClientSampleId :
WP021SB475-29-31-180620

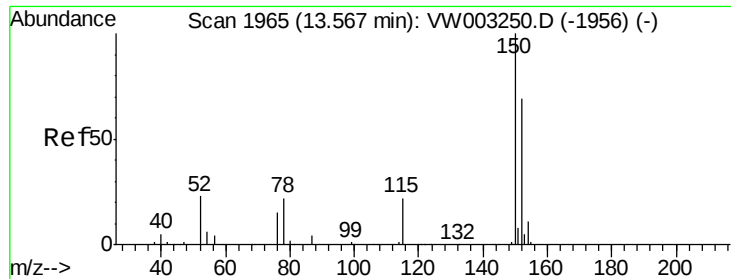
Tgt Ion: 95 Resp: 99538
Ion Ratio Lower Upper
95 100
174 81.9 0.0 166.4
176 78.9 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003518.D
Acq: 24 Jun 2018 18:31

Tgt Ion: 117 Resp: 217955
Ion Ratio Lower Upper
117 100
82 57.5 44.6 67.0
119 31.3 26.7 40.1



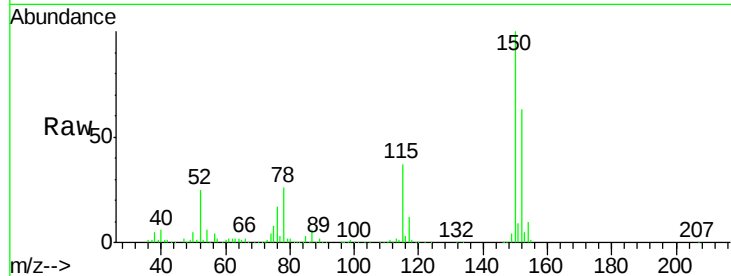


#72

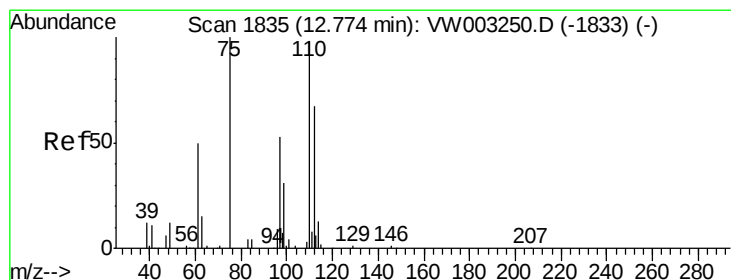
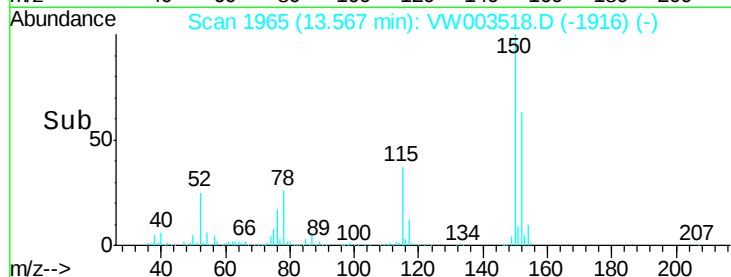
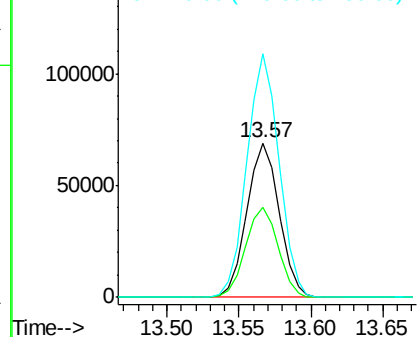
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003518.D
Acq: 24 Jun 2018 18:31

Instrument :
MSVOA_W
ClientSampleId :
WP021SB475-29-31-180620

Tgt Ion: 152 Resp: 107314
Ion Ratio Lower Upper
152 100
115 58.7 29.3 88.0
150 156.4 0.0 349.6



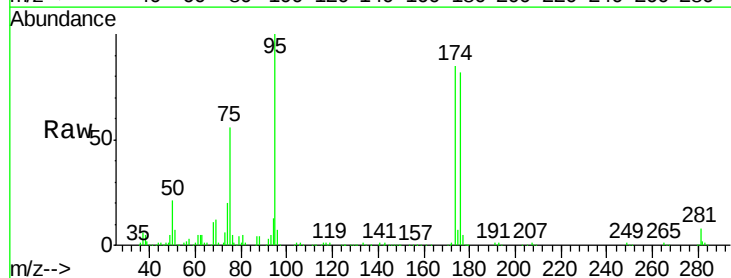
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



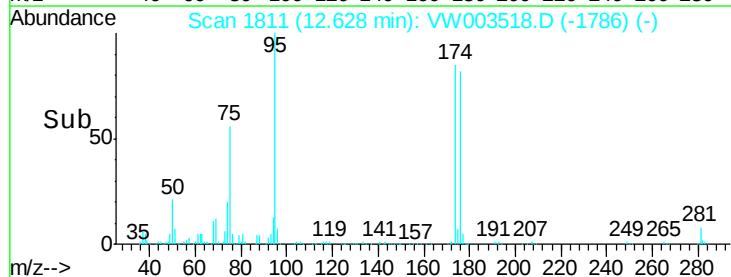
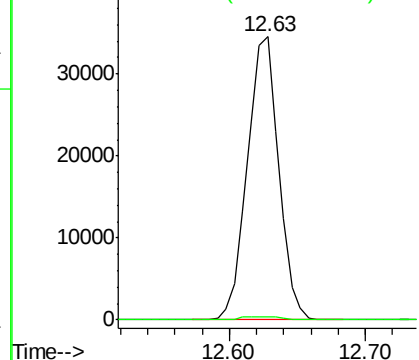
#76

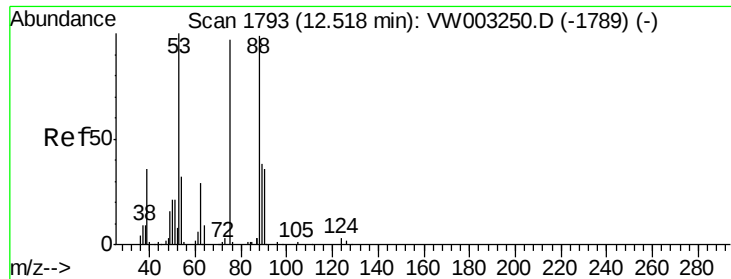
1,2,3-Trichloropropane
Concen: 60.968 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.15 min
Lab File: VW003518.D
Acq: 24 Jun 2018 18:31

Tgt Ion: 75 Resp: 55933
Ion Ratio Lower Upper
75 100
77 1.4 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: 140.292 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW003518.D

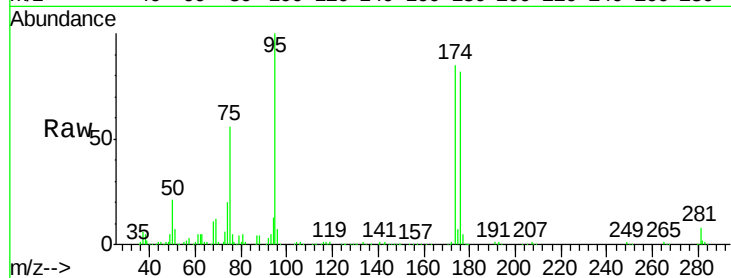
Acq: 24 Jun 2018 18:31

Instrument :

MSVOA_W

ClientSampleId :

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Tgt Ion:	75	Resp:	55933
Ion	Ratio	Lower	Upper
75	100		
53	0.3	82.9	124.3#
89	0.0	36.7	55.1#

