

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062318\
 Data File : VW003494.D
 Acq On : 24 Jun 2018 07:31
 Operator : SY/AP
 Sample : J3670-14
 Misc : 5.81G/5ML/MSVOA_W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB477-25-27-180621

Quant Time: Jun 25 02:48:51 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	190662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	323850	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	298195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	125036	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	115300	55.83	ug/l	0.00
Spiked Amount			Recovery	=	111.66%	
35) Dibromofluoromethane	7.88	113	97725	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	10.33	98	373201	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	
62) 4-Bromofluorobenzene	12.62	95	134327	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	195168	91.926	ug/l	98
6) Chloroethane	2.92	64	1892	1.280	ug/l	94
11) Tert butyl alcohol	5.27	59	1193	10.771	ug/l #	84
13) Acrolein	3.90	56	962	6.075	ug/l #	68
16) Acetone	4.15	43	54165	125.056	ug/l	95
17) Carbon Disulfide	4.37	76	13362	2.619	ug/l	100
18) Methyl Acetate	4.67	43	8178	7.959	ug/l	95
20) Methylene Chloride	4.91	84	18872	7.108	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	5087	2.708	ug/l	83
24) 1,1-Dichloroethane	6.22	63	4888	1.368	ug/l #	96
25) 2-Butanone	7.18	43	8122	15.080	ug/l #	36
27) cis-1,2-Dichloroethene	7.17	96	335448	162.564	ug/l	93
29) Tetrahydrofuran	7.54	42	1589	4.827	ug/l #	48
31) Cyclohexane	7.95	56	77257	23.151	ug/l	92
36) 1,1-Dichloropropene	7.95	75	16103	5.149	ug/l #	50
38) Carbon Tetrachloride	7.95	117	18686	6.091	ug/l #	15
39) Methylcyclohexane	9.34	83	1038687	287.024	ug/l	97
40) Benzene	8.33	78	2829413	328.204	ug/l	100
41) Methacrylonitrile	7.56	41	1444	1.816	ug/l #	40
42) 1,2-Dichloroethane	8.33	62	26056	9.647	ug/l #	76
43) Isopropyl Acetate	8.48	43	61136	23.763	ug/l #	53
45) 1,2-Dichloropropane	9.34	63	11805	5.378	ug/l #	1
48) Methyl methacrylate	9.34	41	590933	488.757	ug/l #	71
49) 1,4-Dioxane	9.49	88	40	2.357	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	26057	19.877	ug/l	100
52) Toluene	10.39	92	1992333	360.392	ug/l	98
53) t-1,3-Dichloropropene	10.39	75	24765	8.416	ug/l #	1
55) 1,1,2-Trichloroethane	10.76	97	67749	42.782	ug/l #	19
56) Ethyl methacrylate	10.67	69	30250	15.731	ug/l #	11
59) 2-Hexanone	10.94	43	28364	30.972	ug/l #	33
65) Chlorobenzene	11.66	112	21308144	3431.450	ug/l #	38
67) Ethyl Benzene	11.74	91	3100030	281.631	ug/l	100
68) m/p-Xylenes	11.84	106	3183792	760.887	ug/l	98
69) o-Xylene	12.17	106	575343	148.364	ug/l	99

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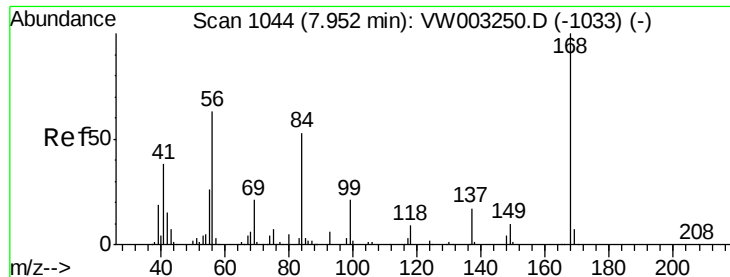
Instrument :
 MSVOA_W
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

70) Styrene	12.17	104	30957	4.796	ug/l #	1
73) Isopropylbenzene	12.47	105	1814500	208.641	ug/l	100
74) N-amyl acetate	12.26	43	68800	34.756	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.70	83	5496	3.735	ug/l #	26
76) 1,2,3-Trichloropropane	12.81	75	26676	24.956	ug/l #	100
78) n-propylbenzene	12.81	91	4363222	409.729	ug/l	100
79) 2-Chlorotoluene	12.88	91	1968637	327.125	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.95	105	11541658	1581.085	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.47	75	22820	49.125	ug/l #	69
82) 4-Chlorotoluene	12.95	91	1336040	209.279	ug/l #	41
83) tert-Butylbenzene	13.22	119	876154	140.836	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	6834630	910.180	ug/l	78
85) sec-Butylbenzene	13.40	105	1997327	215.997	ug/l #	48
86) p-Isopropyltoluene	13.51	119	1763365	216.209	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	2276860	547.221	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	8323897	2012.355	ug/l	97
89) n-Butylbenzene	13.83	91	1025478	128.992	ug/l #	72
90) Hexachloroethane	14.11	117	342619	232.225	ug/l #	10
91) 1,2-Dichlorobenzene	13.88	146	10910315	2993.497	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	890	3.595	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.15	180	97093	37.948	ug/l #	87
95) Naphthalene	15.38	128	4247768	978.712	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	25375	11.267	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

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Acq: 24 Jun 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

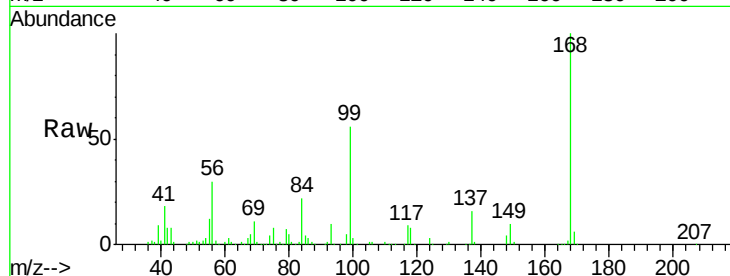
WP021SB477-25-27-180621

Tgt Ion:168 Resp: 190662

Ion Ratio Lower Upper

168 100

99 55.8 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

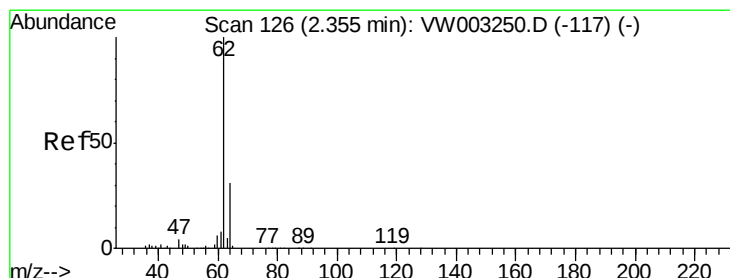
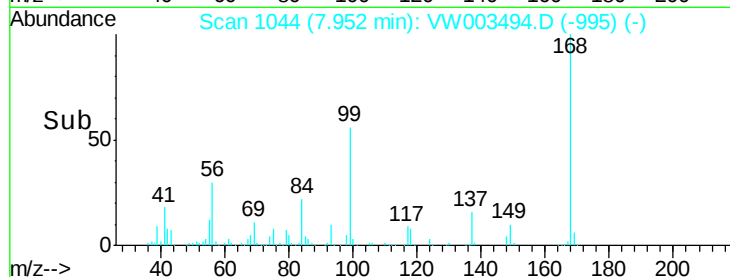
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 91.926 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003494.D

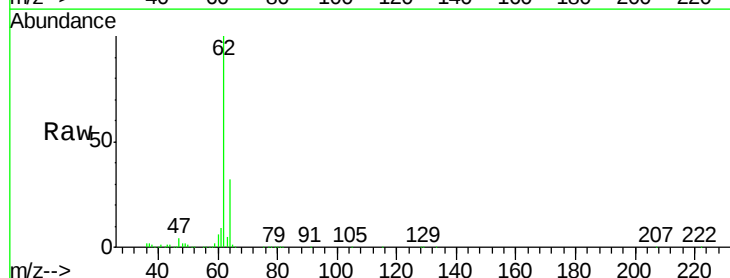
Acq: 24 Jun 2018 07:31

Tgt Ion: 62 Resp: 195168

Ion Ratio Lower Upper

62 100

64 32.2 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

120000

100000

80000

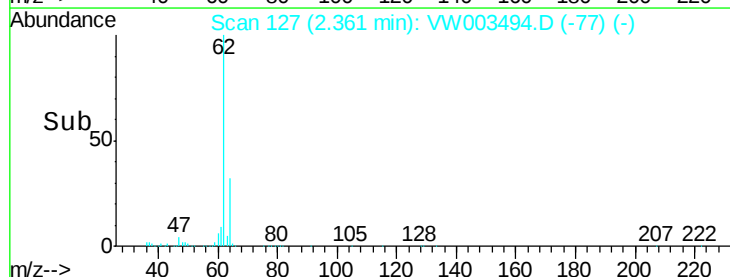
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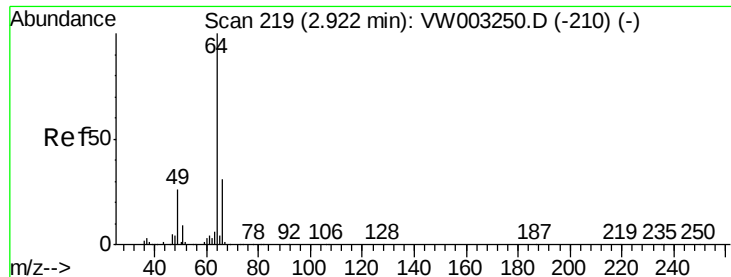
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20000

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Time-->





#6

Chloroethane

Concen: 1.280 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW003494.D

Acq: 24 Jun 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

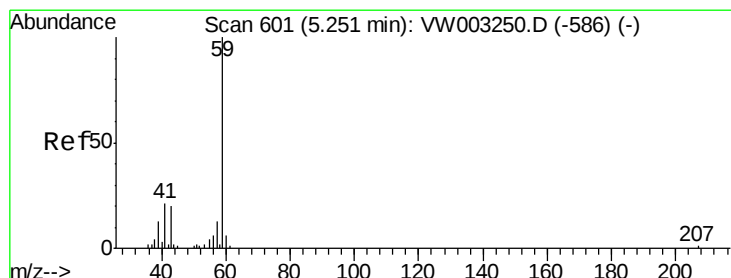
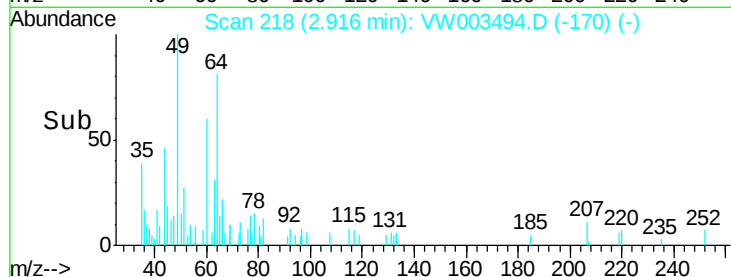
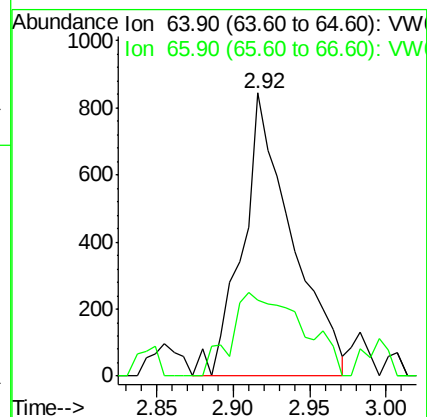
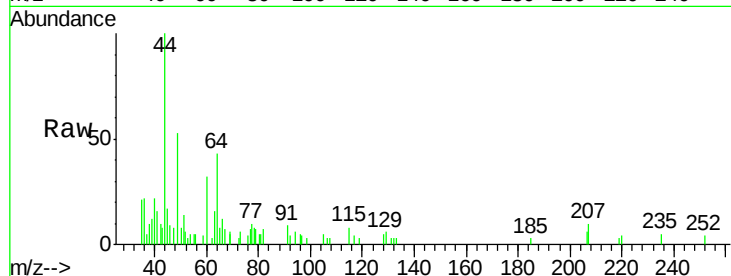
WP021SB477-25-27-180621

Tgt Ion: 64 Resp: 1892

Ion Ratio Lower Upper

64 100

66 27.0 24.4 36.6



#11

Tert butyl alcohol

Concen: 10.771 ug/l

RT: 5.27 min Scan# 604

Delta R.T. 0.02 min

Lab File: VW003494.D

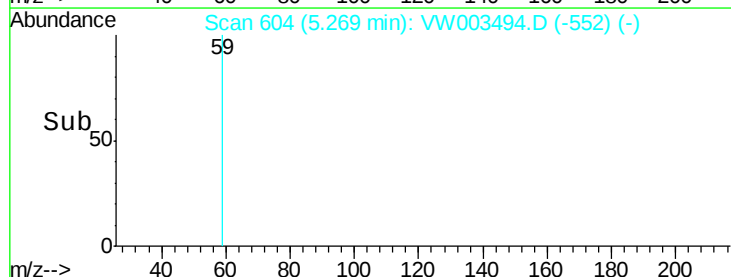
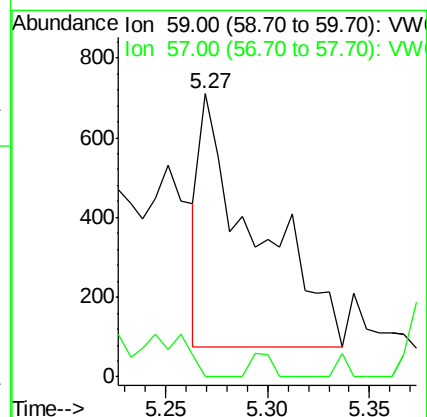
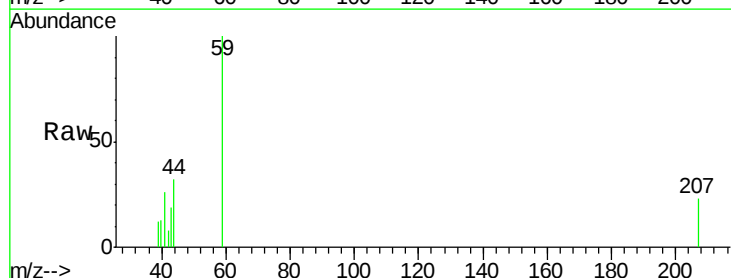
Acq: 24 Jun 2018 07:31

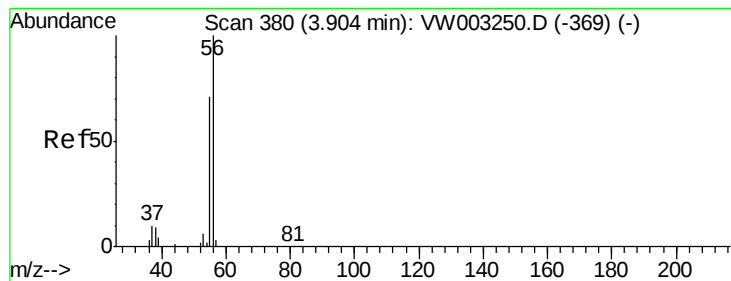
Tgt Ion: 59 Resp: 1193

Ion Ratio Lower Upper

59 100

57 0.0 4.2 6.2#





#13

Acrolein

Concen: 6.075 ug/l

RT: 3.90 min Scan# 379

Delta R.T. -0.01 min

Lab File: VW003494.D

Acq: 24 Jun 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

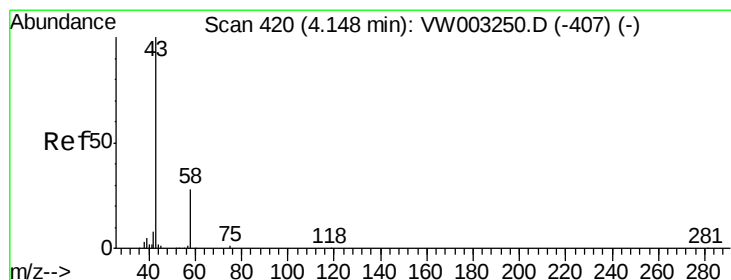
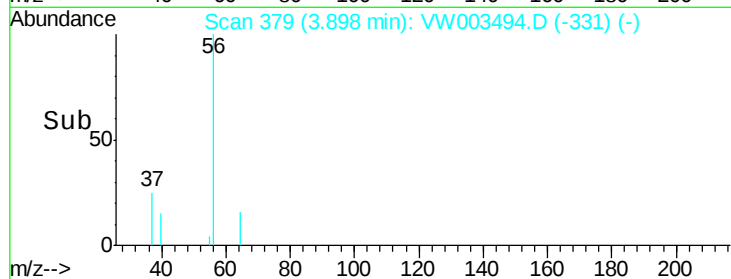
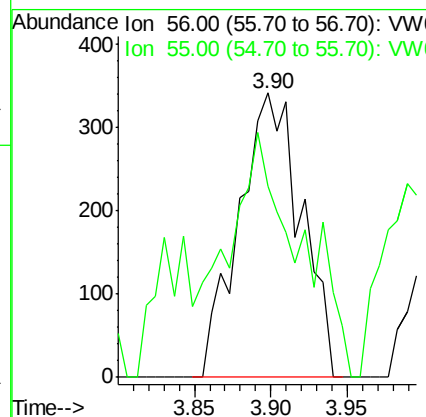
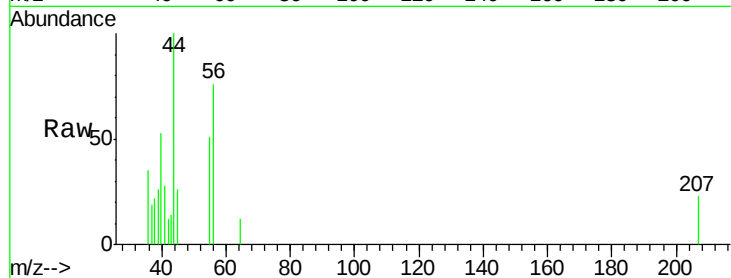
WP021SB477-25-27-180621

Tgt Ion: 56 Resp: 962

Ion Ratio Lower Upper

56 100

55 95.3 55.4 83.2#



#16

Acetone

Concen: 125.056 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003494.D

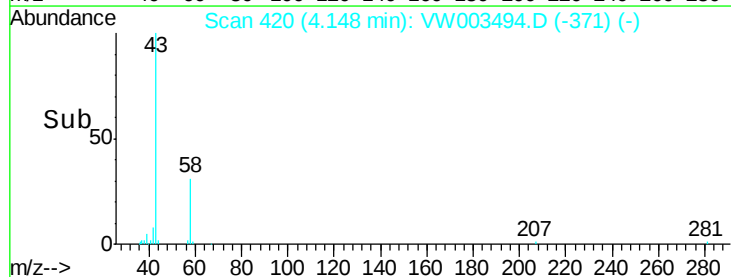
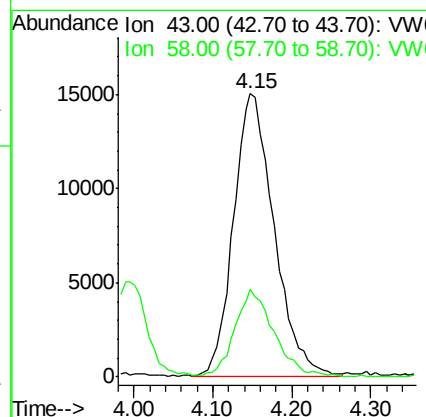
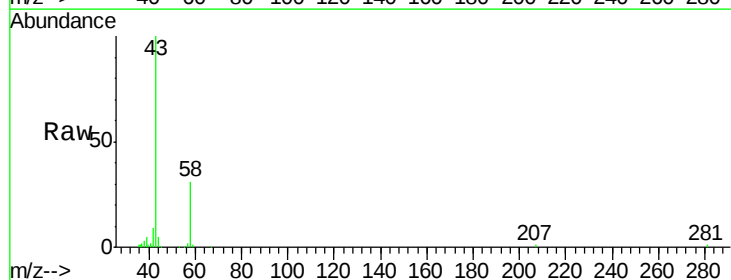
Acq: 24 Jun 2018 07:31

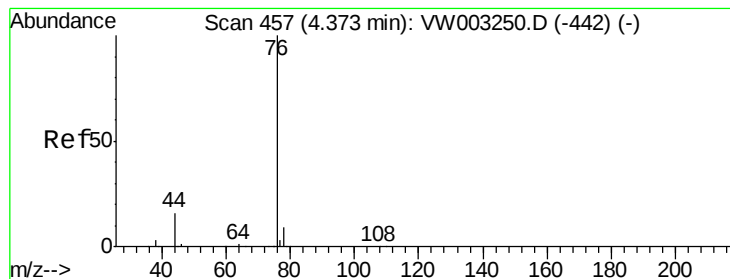
Tgt Ion: 43 Resp: 54165

Ion Ratio Lower Upper

43 100

58 30.8 22.6 34.0





#17

Carbon Disulfide

Concen: 2.619 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW003494.D

Acq: 24 Jun 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

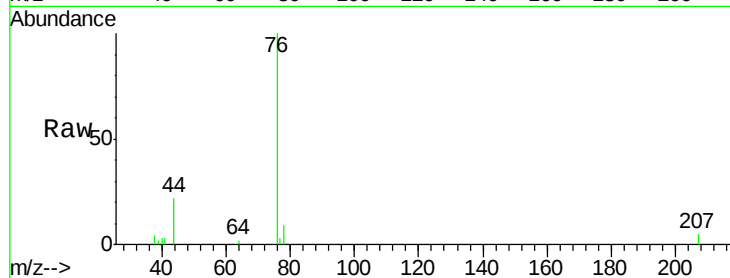
WP021SB477-25-27-180621

Tgt Ion: 76 Resp: 13362

Ion Ratio Lower Upper

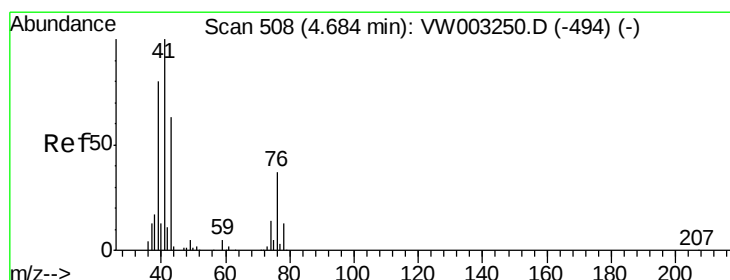
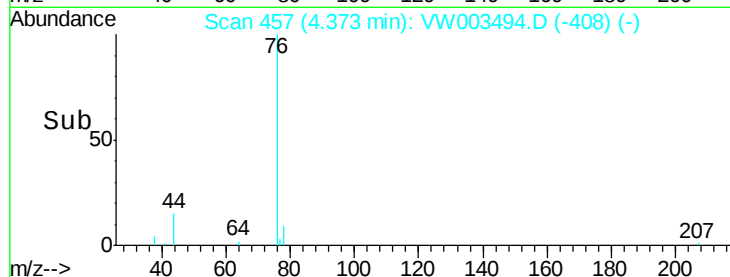
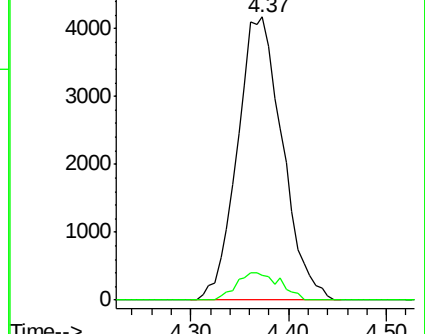
76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 7.959 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: VW003494.D

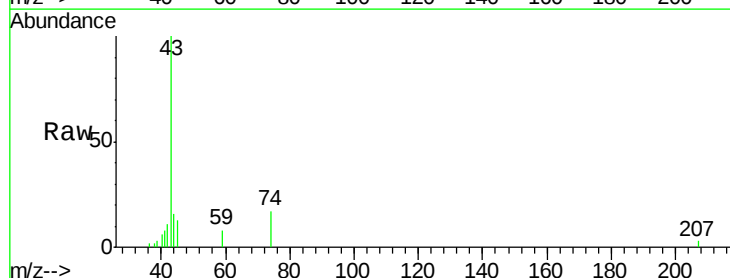
Acq: 24 Jun 2018 07:31

Tgt Ion: 43 Resp: 8178

Ion Ratio Lower Upper

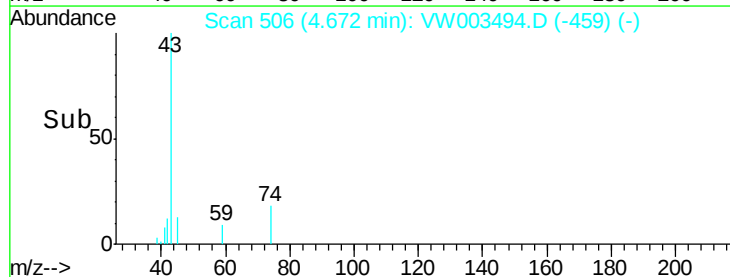
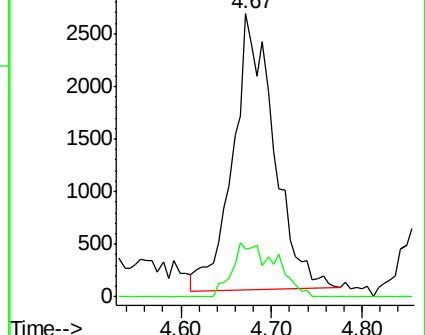
43 100

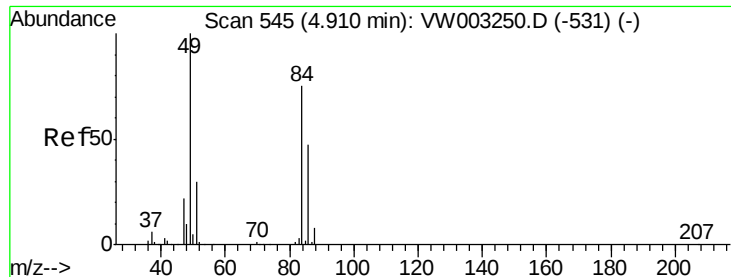
74 20.9 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

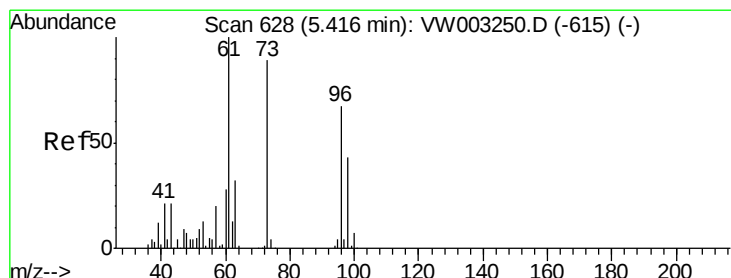
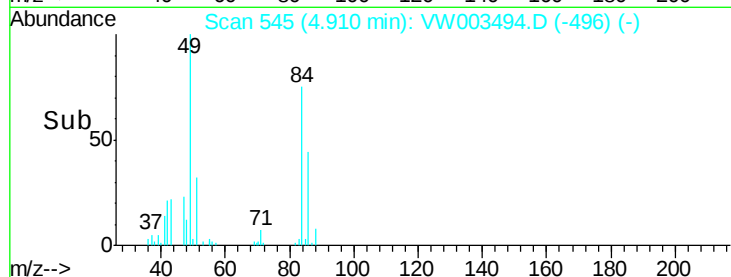
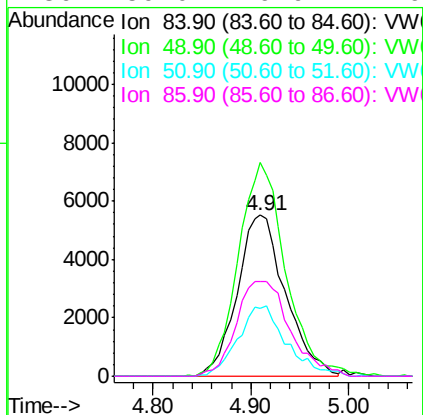
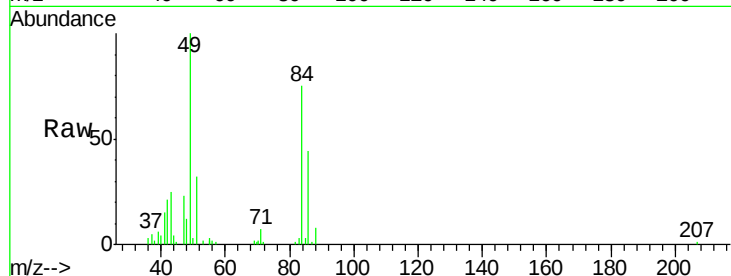




#20
Methylene Chloride
Concen: 7.108 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003494.D
Acq: 24 Jun 2018 07:31

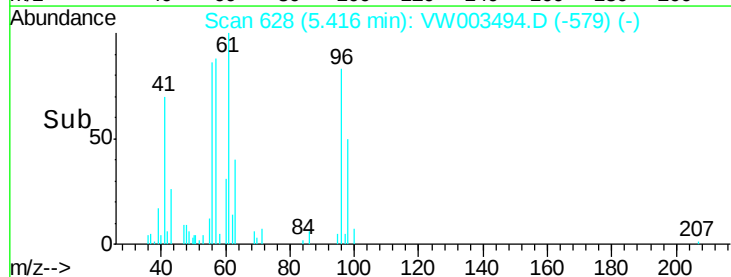
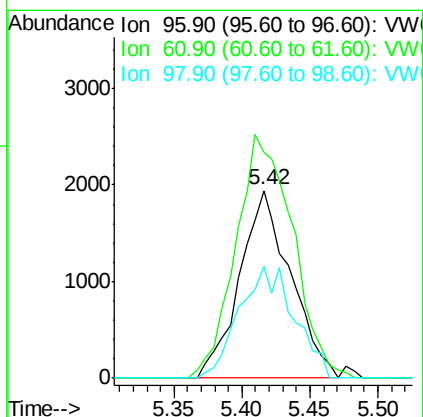
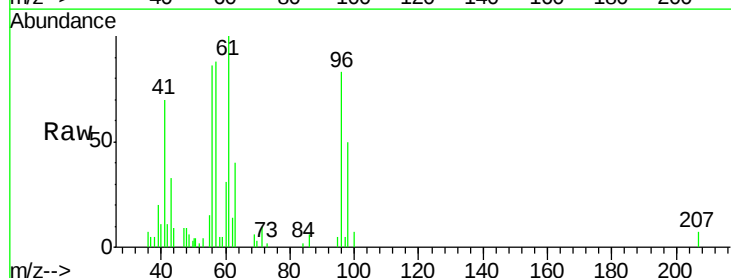
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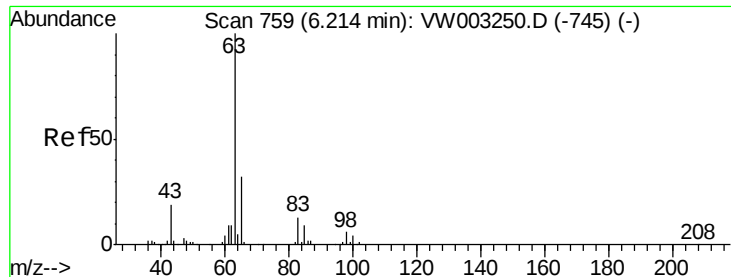
Tgt Ion: 84 Resp: 18872
Ion Ratio Lower Upper
84 100
49 131.5 106.3 159.5
51 41.9 32.0 48.0
86 59.0 49.9 74.9



#21
trans-1,2-Dichloroethene
Concen: 2.708 ug/l
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW003494.D
Acq: 24 Jun 2018 07:31

Tgt Ion: 96 Resp: 5087
Ion Ratio Lower Upper
96 100
61 120.0 118.7 178.1
98 59.8 51.0 76.6





#24

1,1-Dichloroethane

Concen: 1.368 ug/l

RT: 6.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VW003494.D

Acq: 24 Jun 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

WP021SB477-25-27-180621

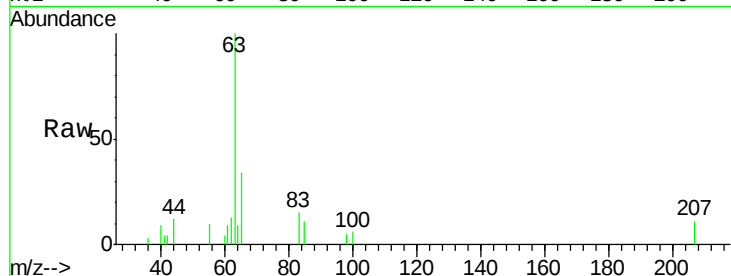
Tgt Ion: 63 Resp: 4888

Ion Ratio Lower Upper

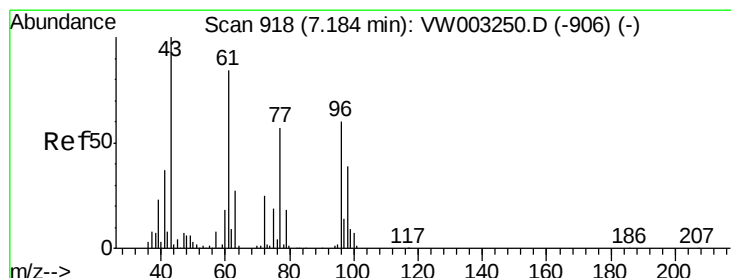
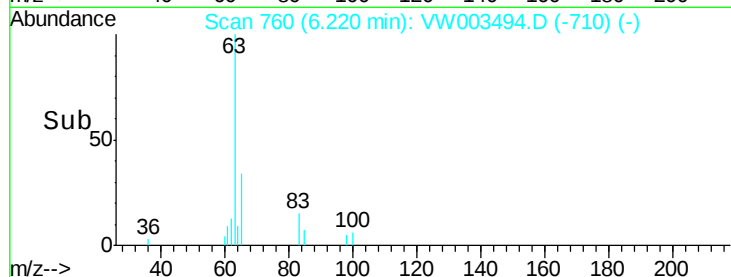
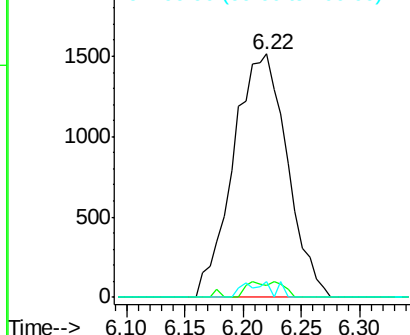
63 100

98 5.1 2.8 8.3

100 6.5 2.1 6.5#



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW



#25

2-Butanone

Concen: 15.080 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003494.D

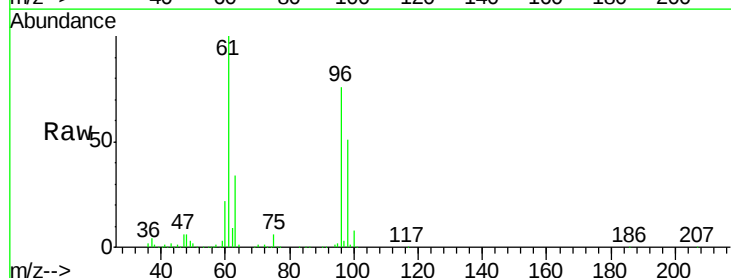
Acq: 24 Jun 2018 07:31

Tgt Ion: 43 Resp: 8122

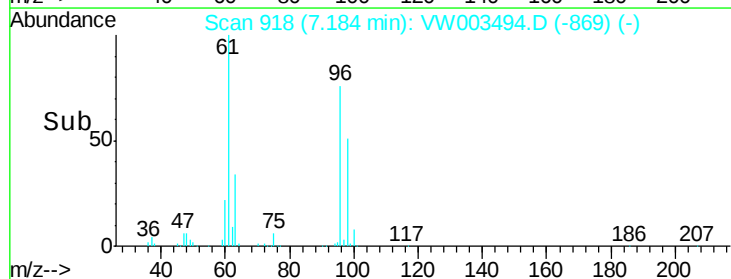
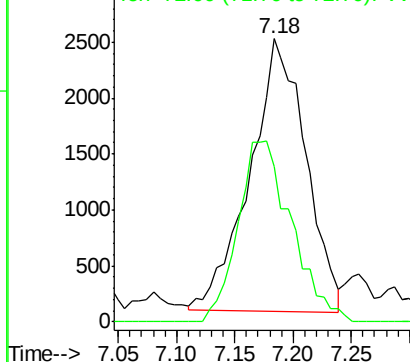
Ion Ratio Lower Upper

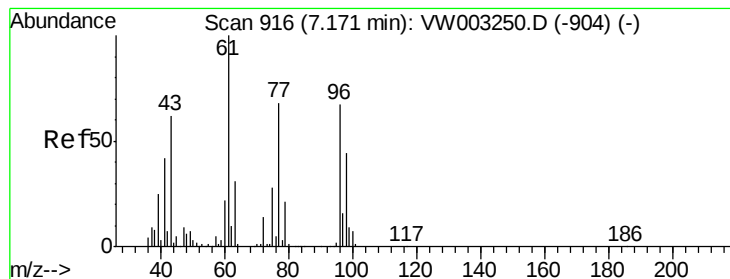
43 100

72 57.9 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



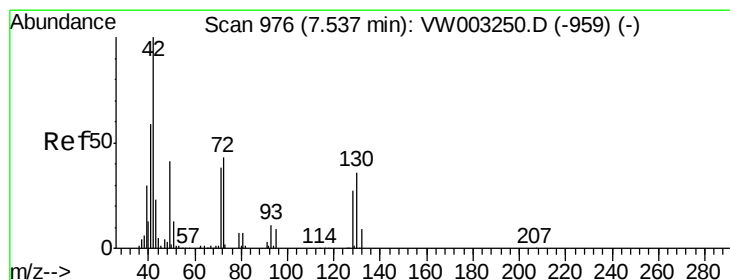
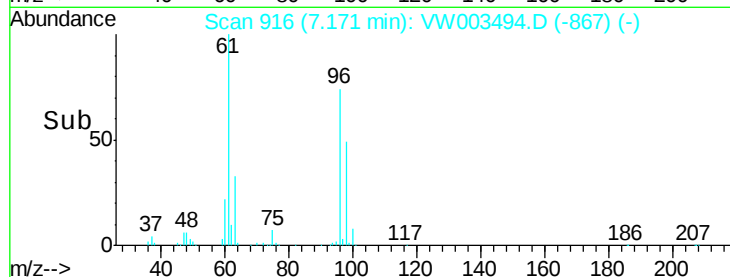
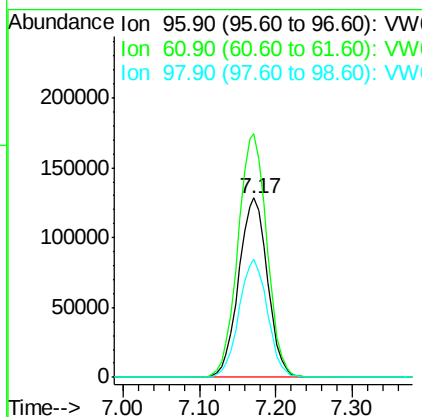
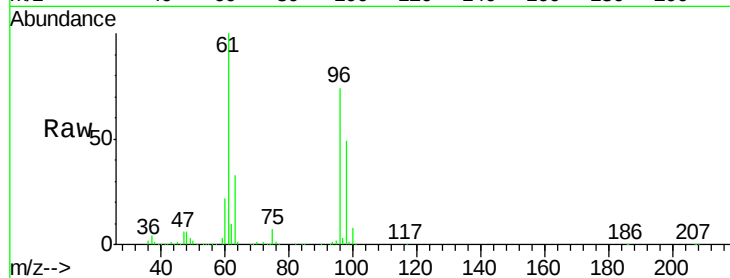


#27

cis-1,2-Dichloroethene
 Concen: 162.564 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW003494.D
 Acq: 24 Jun 2018 07:31

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB477-25-27-180621

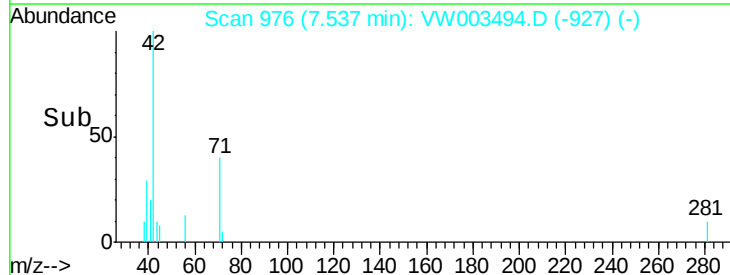
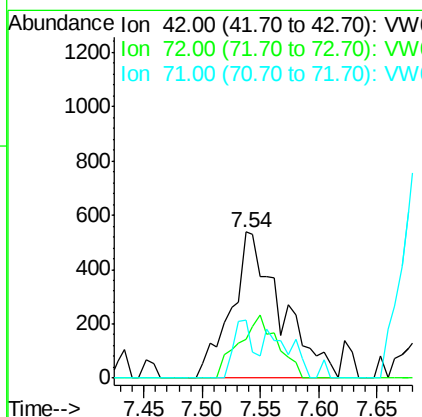
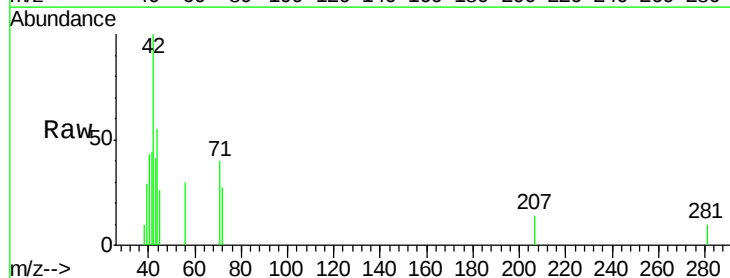
Tgt Ion: 96 Resp: 335448
 Ion Ratio Lower Upper
 96 100
 61 136.2 0.0 298.8
 98 65.1 0.0 130.4

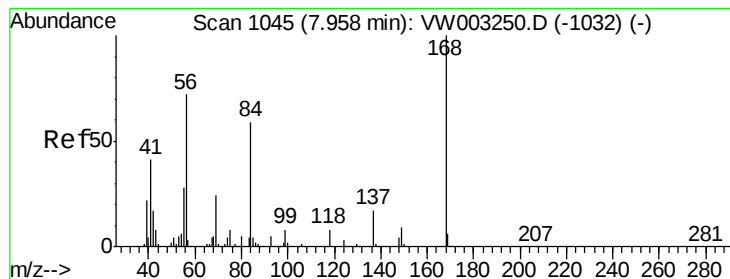


#29

Tetrahydrofuran
 Concen: 4.827 ug/l
 RT: 7.54 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VW003494.D
 Acq: 24 Jun 2018 07:31

Tgt Ion: 42 Resp: 1589
 Ion Ratio Lower Upper
 42 100
 72 0.0 32.4 48.6#
 71 16.0 31.2 46.8#





#31

Cyclohexane

Concen: 23.151 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003494.D

Acq: 24 Jun 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

WP021SB477-25-27-180621

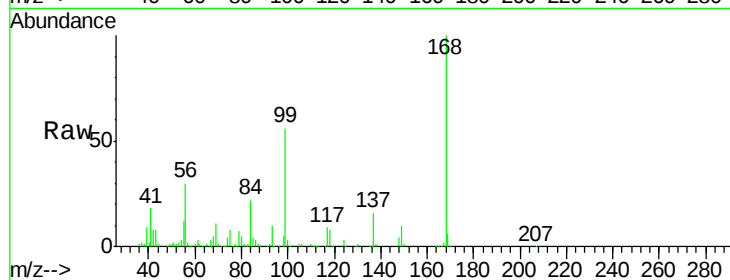
Tgt Ion: 56 Resp: 77257

Ion Ratio Lower Upper

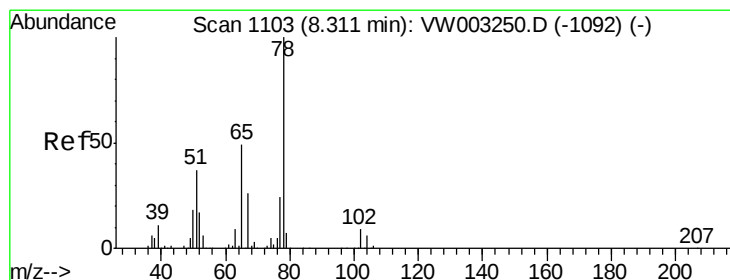
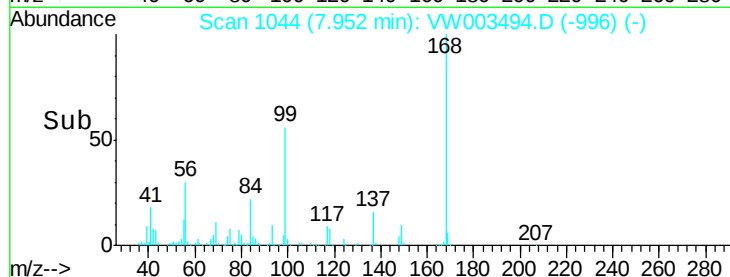
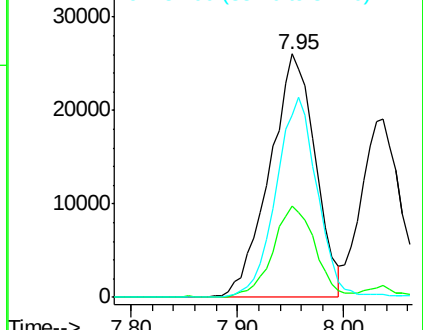
56 100

69 36.9 26.3 39.5

84 74.9 65.7 98.5



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 55.831 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003494.D

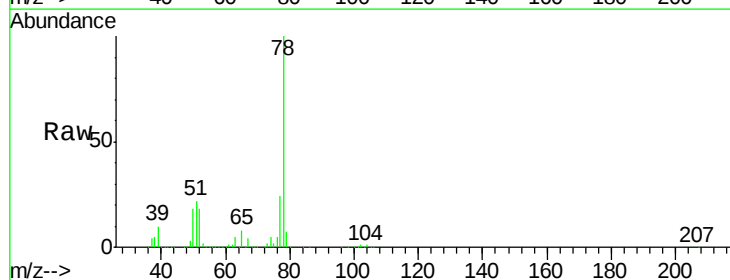
Acq: 24 Jun 2018 07:31

Tgt Ion: 65 Resp: 115300

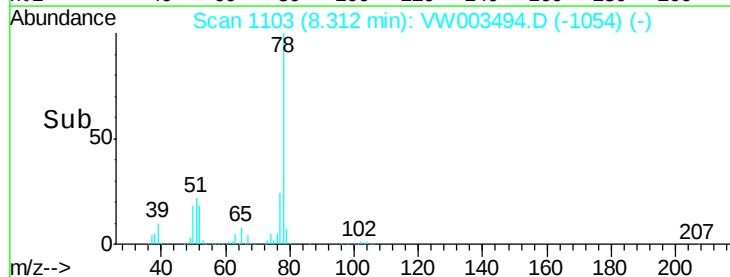
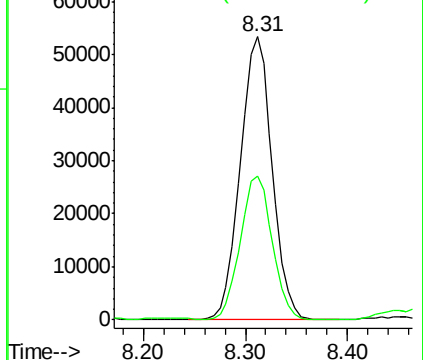
Ion Ratio Lower Upper

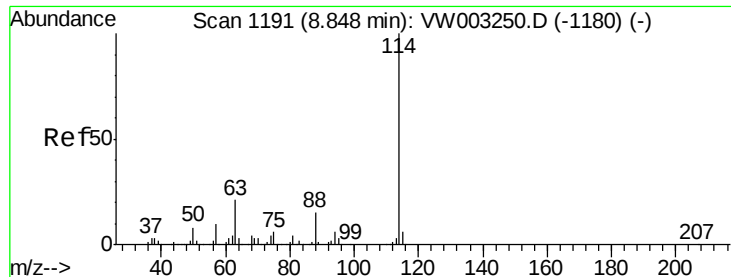
65 100

67 51.4 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

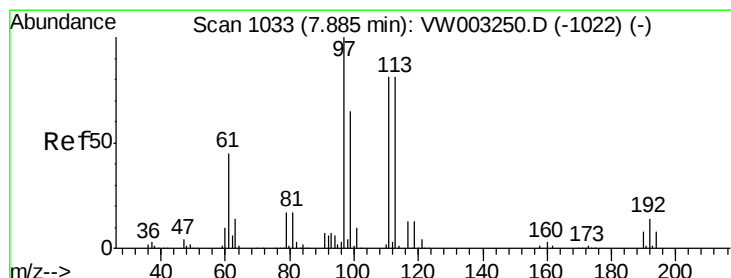
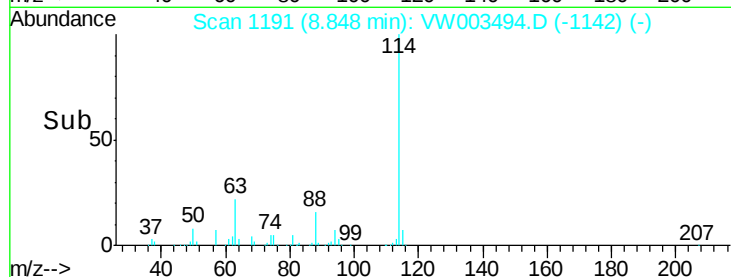
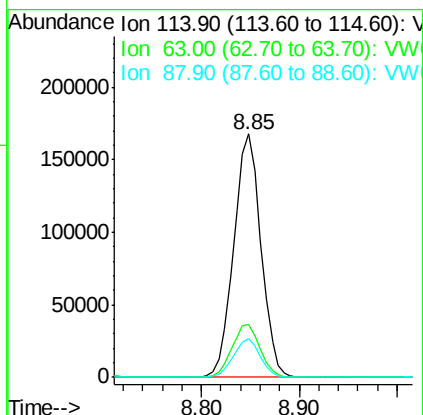
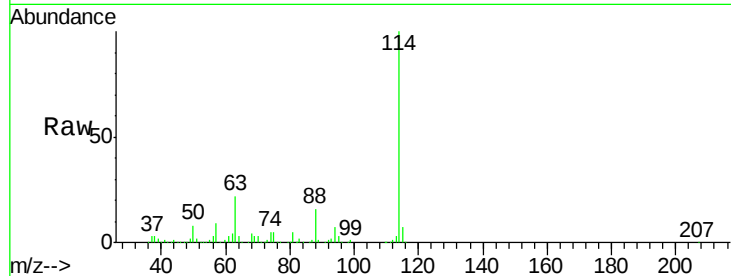




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003494.D
 Acq: 24 Jun 2018 07:31

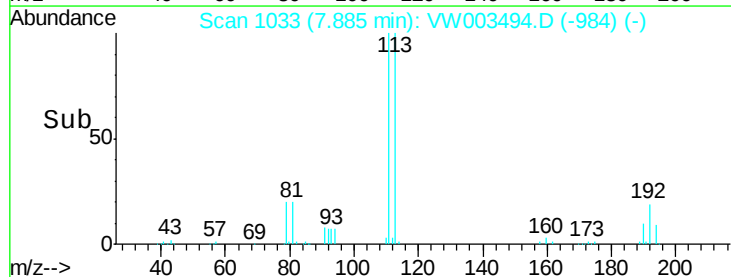
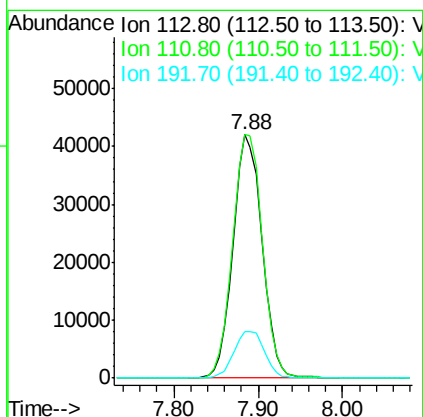
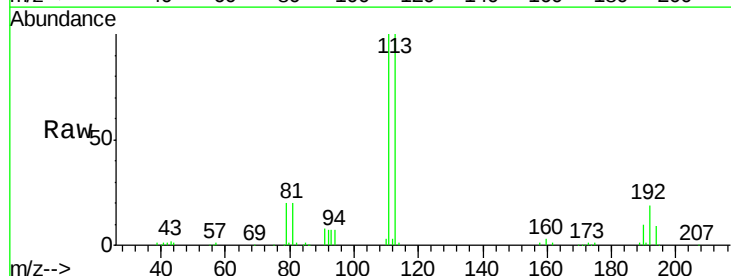
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB477-25-27-180621

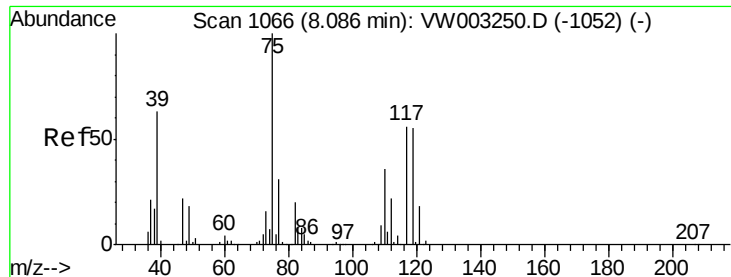
Tgt Ion:114 Resp: 323850
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.0
 88 15.8 0.0 29.6



#35
 Dibromofluoromethane
 Concen: 48.564 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003494.D
 Acq: 24 Jun 2018 07:31

Tgt Ion:113 Resp: 97725
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.2
 192 20.2 16.2 24.2





#36

1,1-Dichloropropene

Concen: 5.149 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.14 min

Lab File: VW003494.D

Acq: 24 Jun 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

WP021SB477-25-27-180621

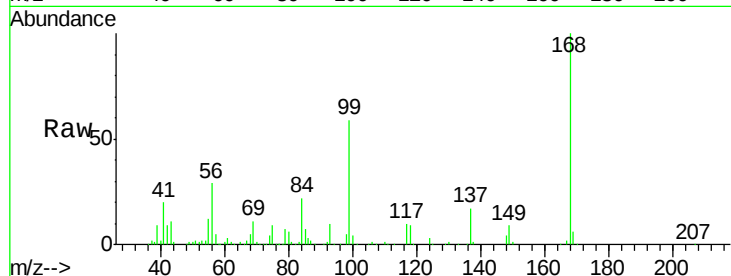
Tgt Ion: 75 Resp: 16103

Ion Ratio Lower Upper

75 100

110 8.6 17.1 51.3#

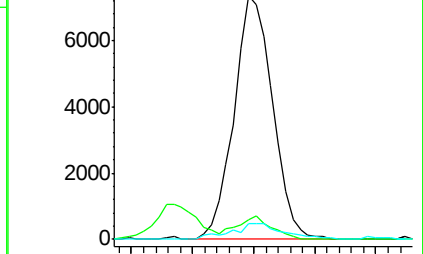
77 0.0 24.9 37.3#



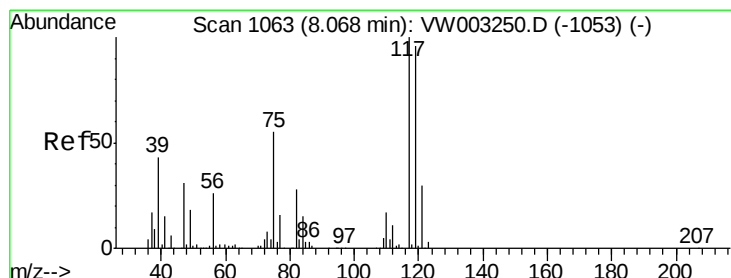
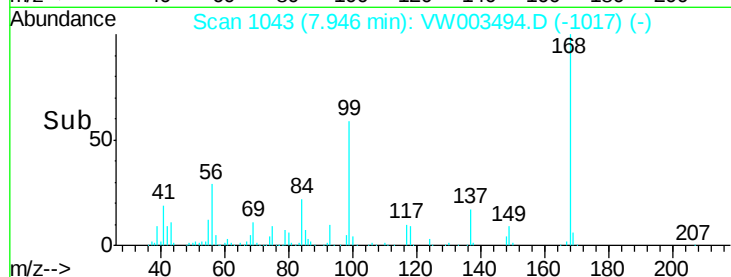
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



Time-->



#38

Carbon Tetrachloride

Concen: 6.091 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW003494.D

Acq: 24 Jun 2018 07:31

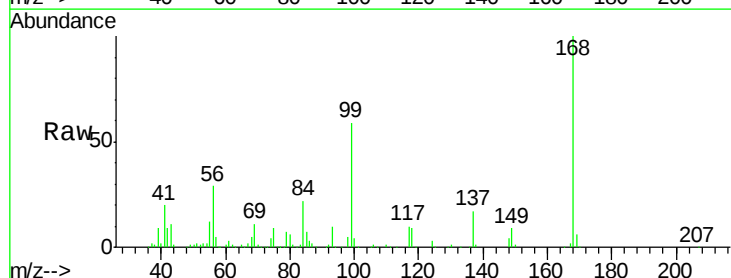
Tgt Ion: 117 Resp: 18686

Ion Ratio Lower Upper

117 100

119 3.7 76.6 115.0#

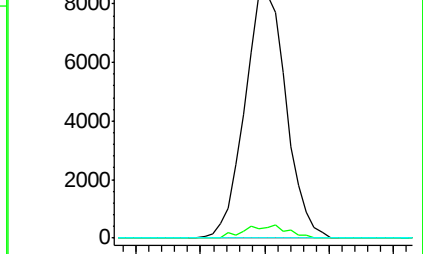
121 0.0 23.9 35.9#



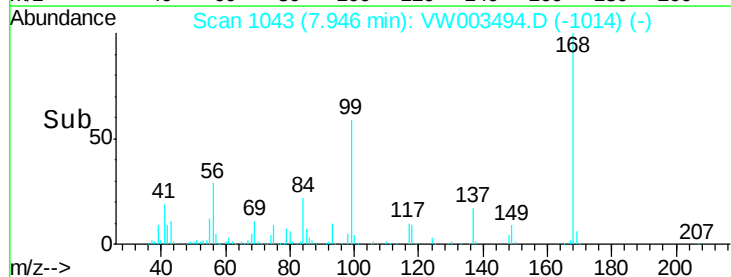
Abundance Ion 116.80 (116.50 to 117.50): V

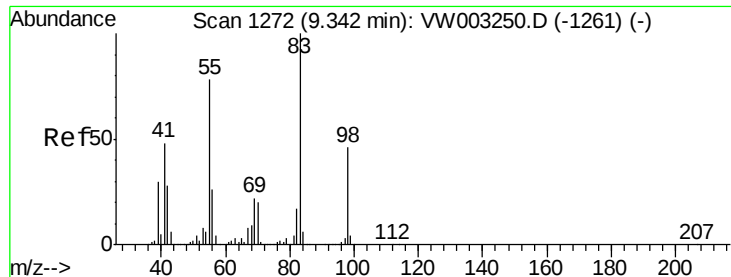
Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



Time-->

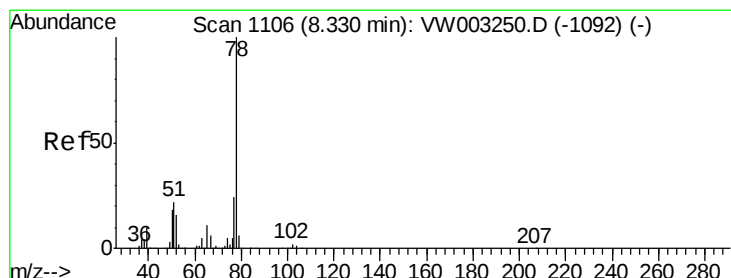
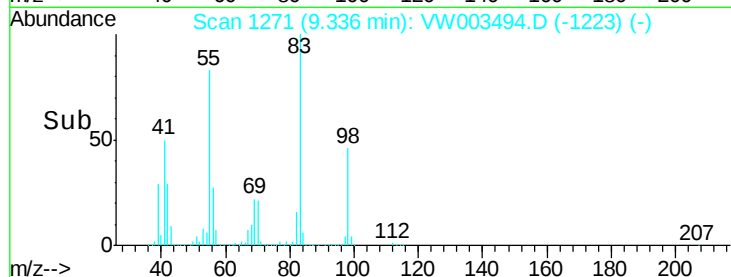
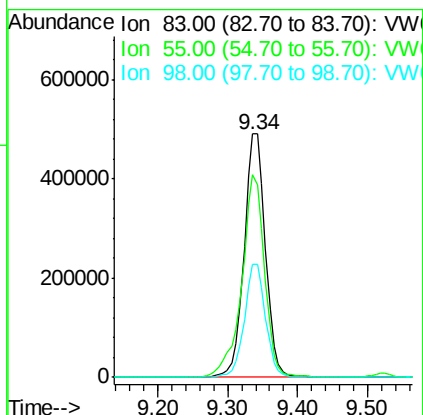
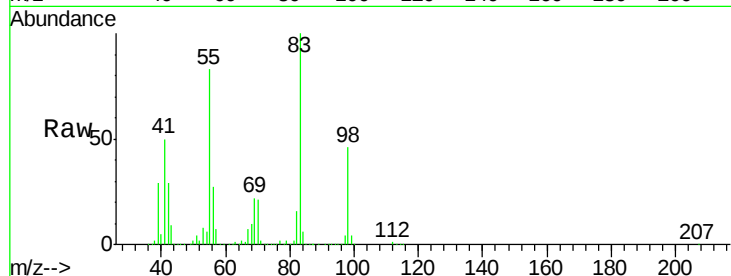




#39
Methylcyclohexane
Concen: 287.024 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003494.D
Acq: 24 Jun 2018 07:31

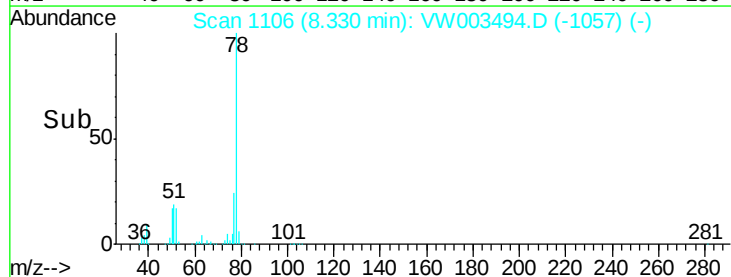
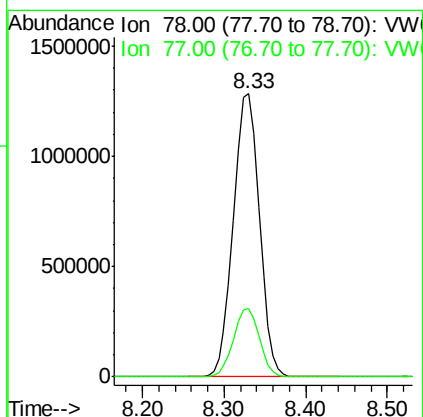
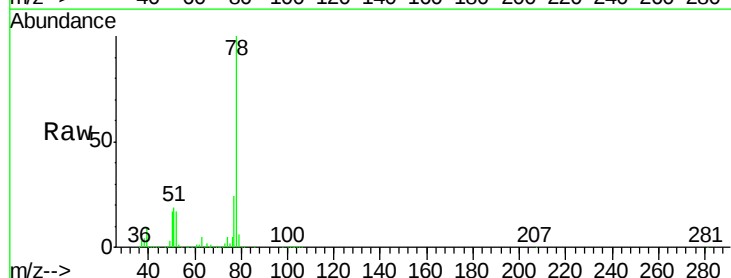
Instrument :
MSVOA_W
ClientSampleId :
WP021SB477-25-27-180621

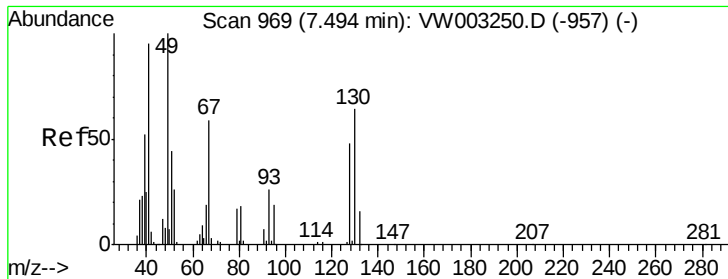
Tgt Ion: 83 Resp: 1038687
Ion Ratio Lower Upper
83 100
55 82.9 62.6 93.8
98 46.3 37.0 55.4



#40
Benzene
Concen: 328.204 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW003494.D
Acq: 24 Jun 2018 07:31

Tgt Ion: 78 Resp: 2829413
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6





#41

Methacrylonitrile

Concen: 1.816 ug/l

RT: 7.56 min Scan# 979

Delta R.T. 0.06 min

Lab File: VW003494.D

Acq: 24 Jun 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

WP021SB477-25-27-180621

Tgt Ion: 41 Resp: 1444

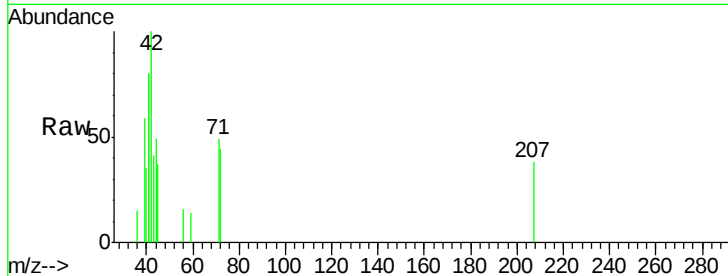
Ion Ratio Lower Upper

41 100

39 31.2 45.8 68.8#

67 0.0 52.3 78.5#

52 0.0 24.1 36.1#

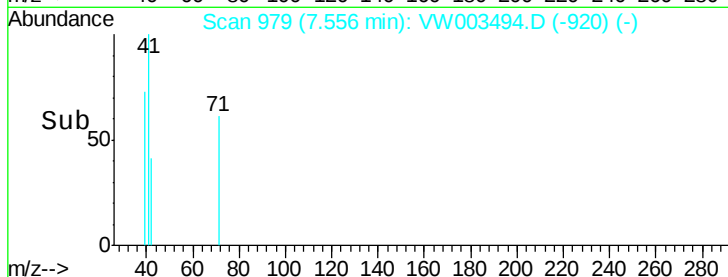
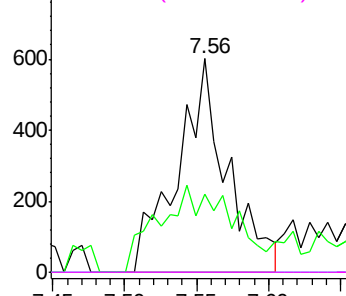


Abundance Ion 41.00 (40.70 to 41.70): VW

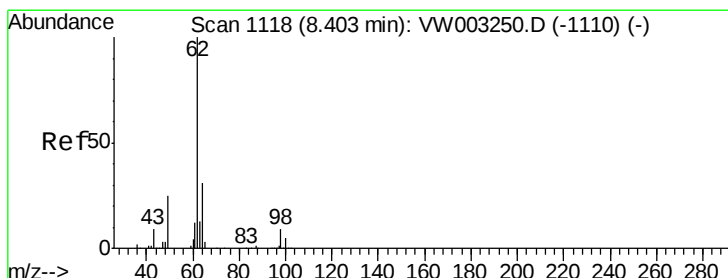
Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



Time-->



#42

1,2-Dichloroethane

Concen: 9.647 ug/l

RT: 8.33 min Scan# 1106

Delta R.T. -0.07 min

Lab File: VW003494.D

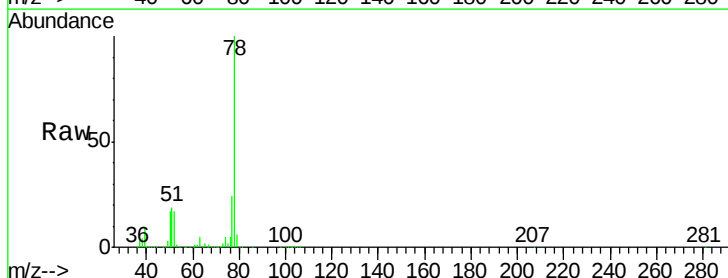
Acq: 24 Jun 2018 07:31

Tgt Ion: 62 Resp: 26056

Ion Ratio Lower Upper

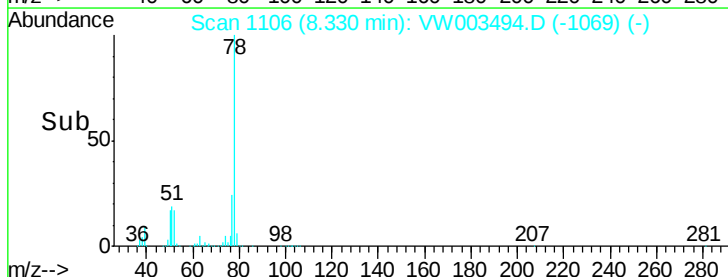
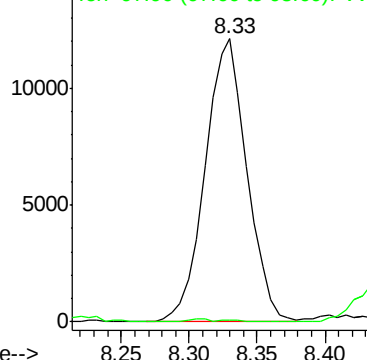
62 100

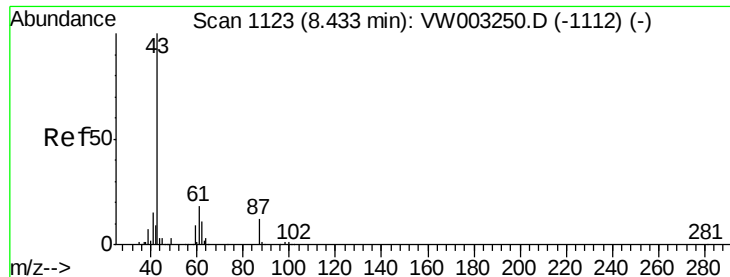
98 0.0 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 23.763 ug/l

RT: 8.48 min Scan# 1131

Delta R.T. 0.05 min

Lab File: VW003494.D

Acq: 24 Jun 2018 07:31

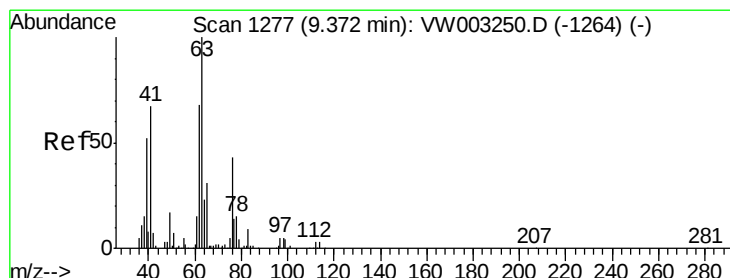
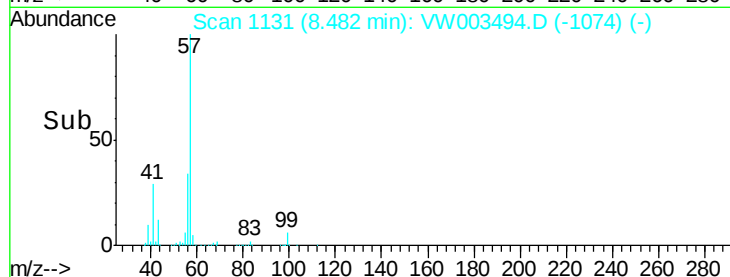
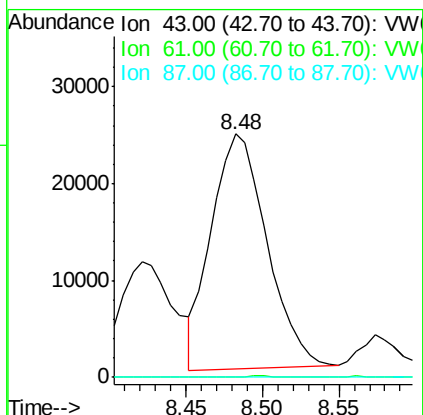
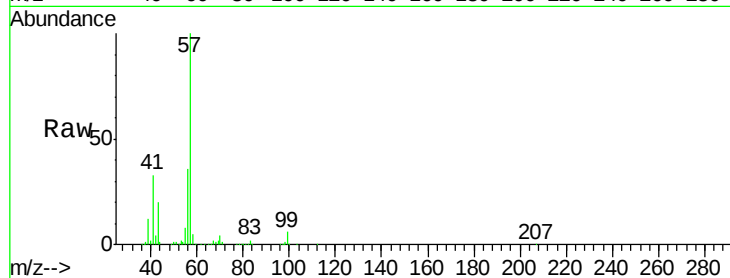
Instrument :

MSVOA_W

ClientSampleId :

WP021SB477-25-27-180621

Tgt Ion:	43	Resp:	61136
Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.1	34.7#
87	0.0	9.8	14.6#



#45

1,2-Dichloropropane

Concen: 5.378 ug/l

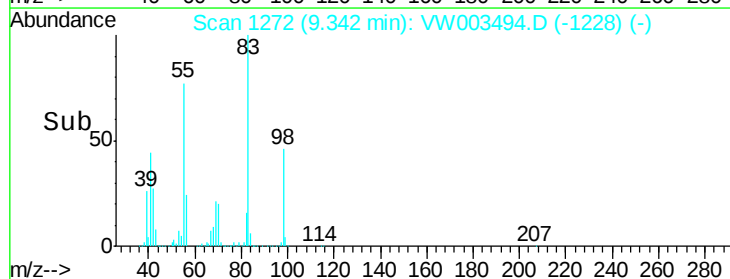
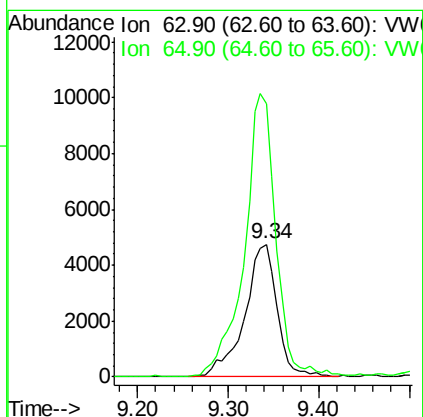
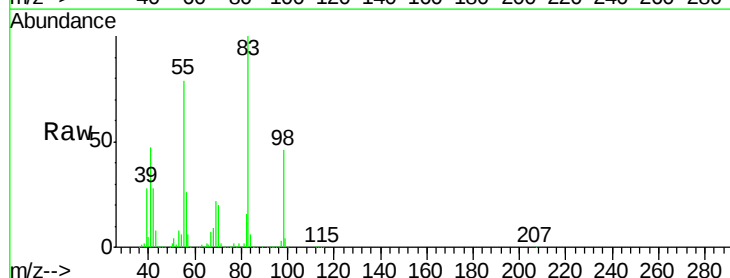
RT: 9.34 min Scan# 1272

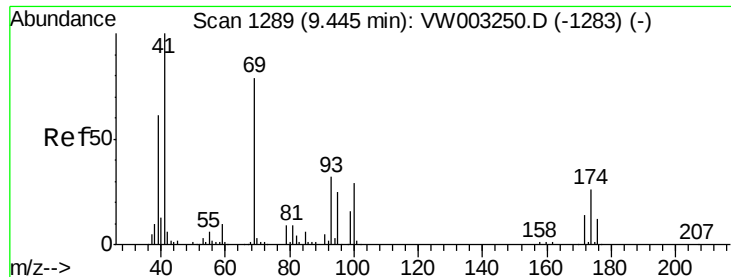
Delta R.T. -0.03 min

Lab File: VW003494.D

Acq: 24 Jun 2018 07:31

Tgt Ion:	63	Resp:	11805
Ion	Ratio	Lower	Upper
63	100		
65	206.9	25.1	37.7#

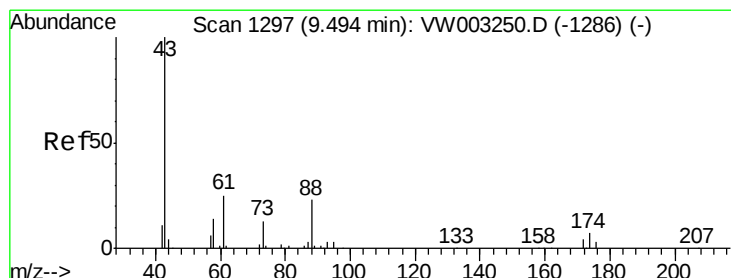
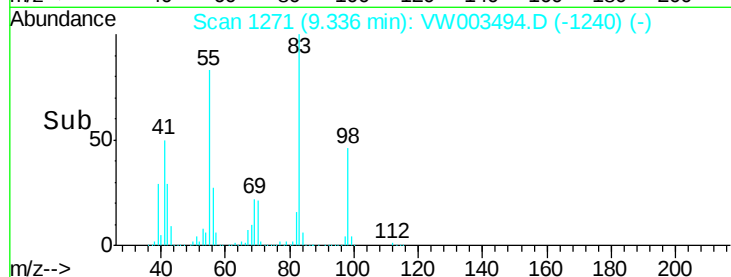
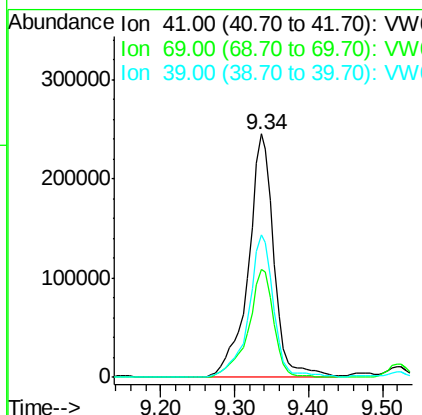
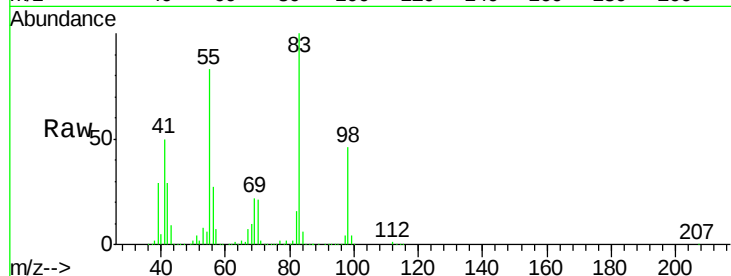




#48
Methyl methacrylate
Concen: 488.757 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.11 min
Lab File: VW003494.D
Acq: 24 Jun 2018 07:31

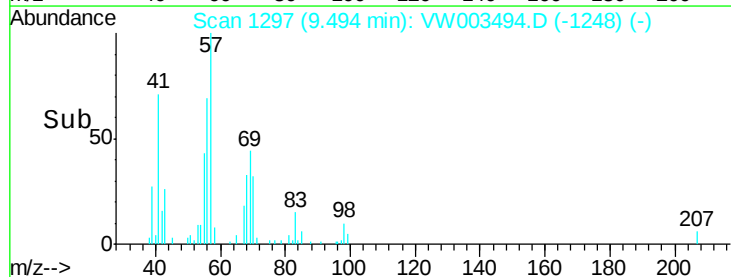
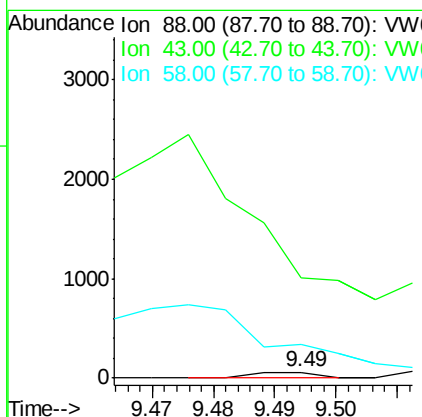
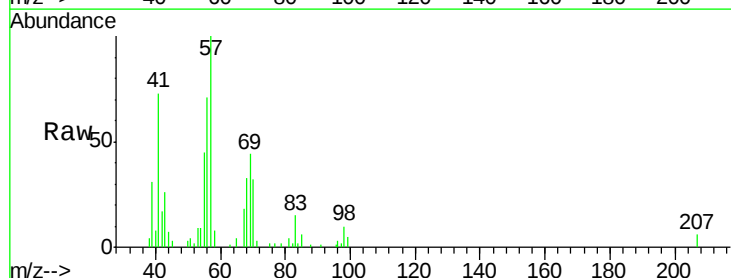
Instrument :
MSVOA_W
ClientSampleId :
WP021SB477-25-27-180621

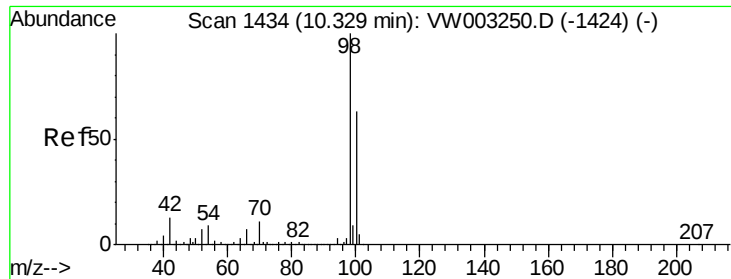
Tgt Ion: 41 Resp: 590933
Ion Ratio Lower Upper
41 100
69 44.3 65.4 98.2#
39 57.2 54.2 81.2



#49
1,4-Dioxane
Concen: 2.357 ug/l
RT: 9.49 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VW003494.D
Acq: 24 Jun 2018 07:31

Tgt Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 7912.5 454.7 682.1#
58 2912.5 58.6 88.0#





#50

Toluene-d8

Concen: 46.772 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003494.D

Acq: 24 Jun 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

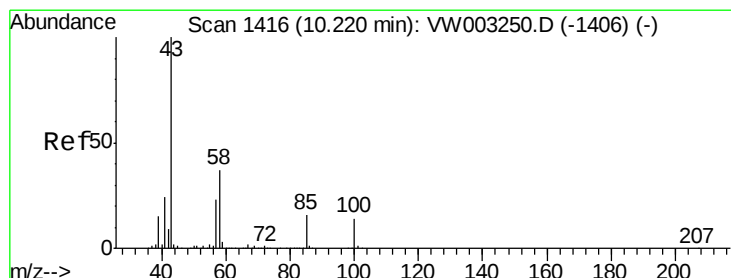
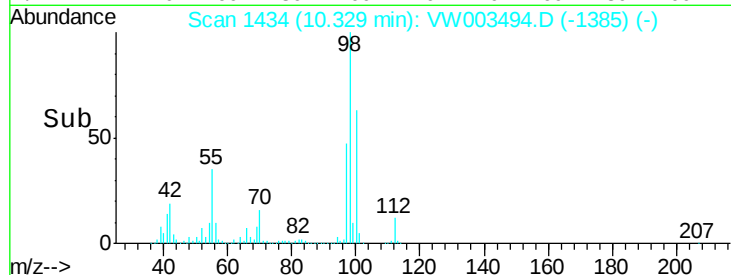
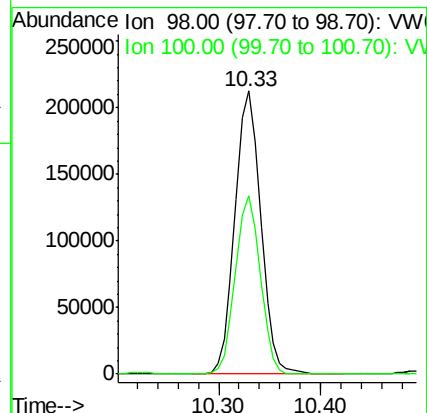
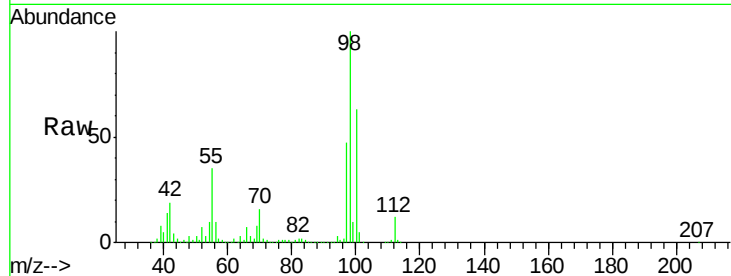
WP021SB477-25-27-180621

Tgt Ion: 98 Resp: 373201

Ion Ratio Lower Upper

98 100

100 60.4 50.8 76.2



#51

4-Methyl-2-Pentanone

Concen: 19.877 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW003494.D

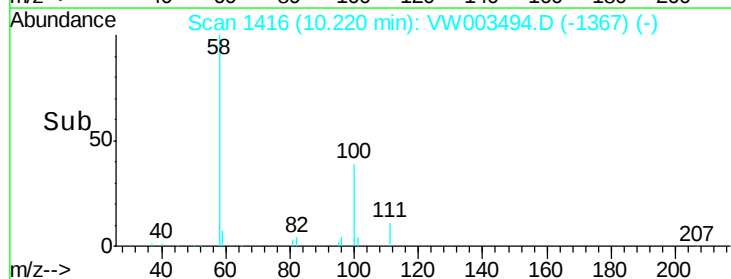
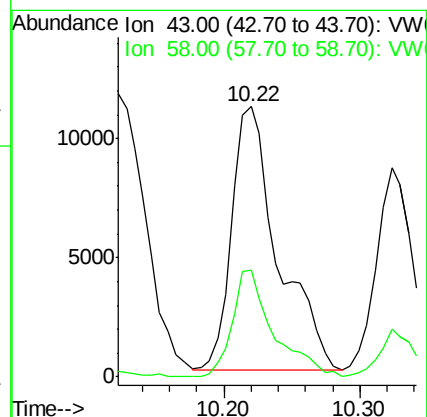
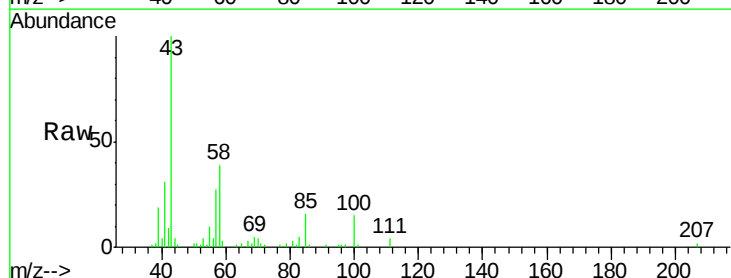
Acq: 24 Jun 2018 07:31

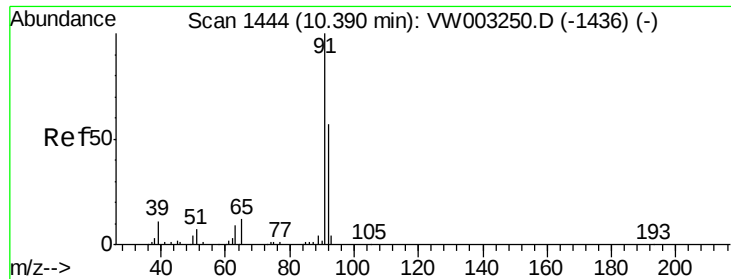
Tgt Ion: 43 Resp: 26057

Ion Ratio Lower Upper

43 100

58 36.2 29.0 43.4





#52

Toluene

Concen: 360.392 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003494.D

Acq: 24 Jun 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

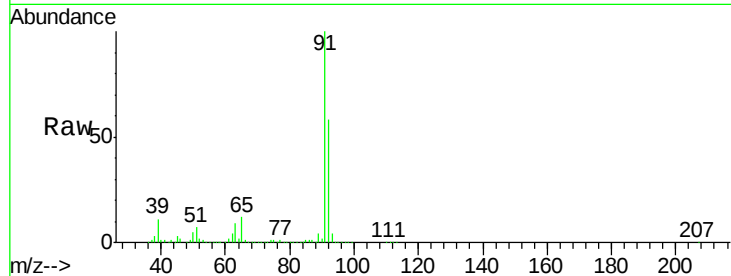
WP021SB477-25-27-180621

Tgt Ion: 92 Resp: 1992333

Ion Ratio Lower Upper

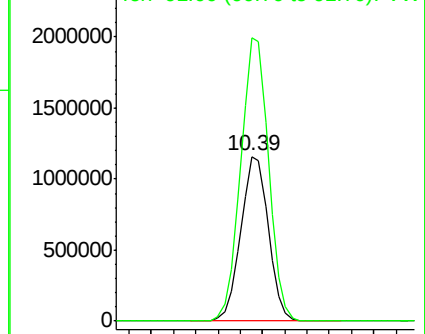
92 100

91 173.4 141.1 211.7

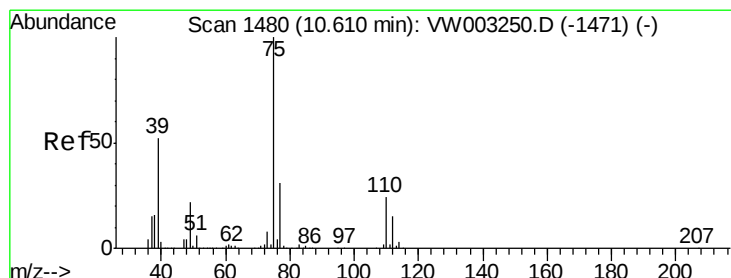
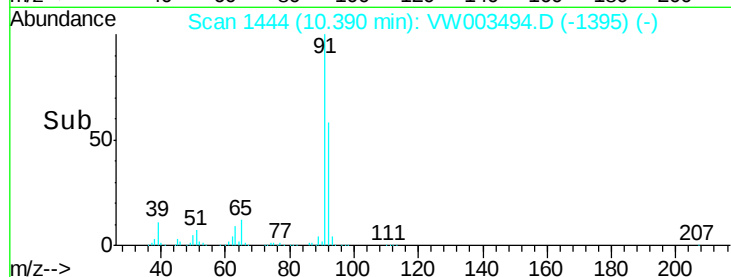


Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



Time-->



#53

t-1,3-Dichloropropene

Concen: 8.416 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.22 min

Lab File: VW003494.D

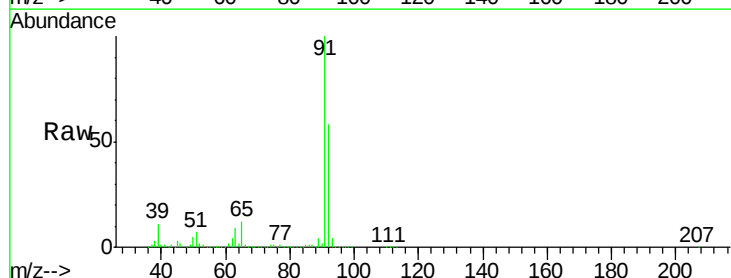
Acq: 24 Jun 2018 07:31

Tgt Ion: 75 Resp: 24765

Ion Ratio Lower Upper

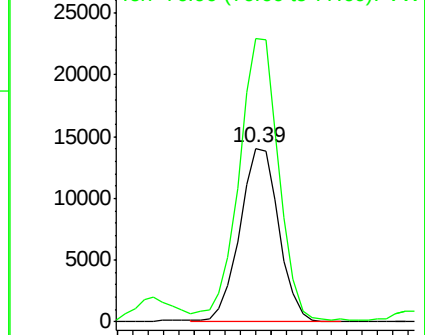
75 100

77 161.6 24.9 37.3#

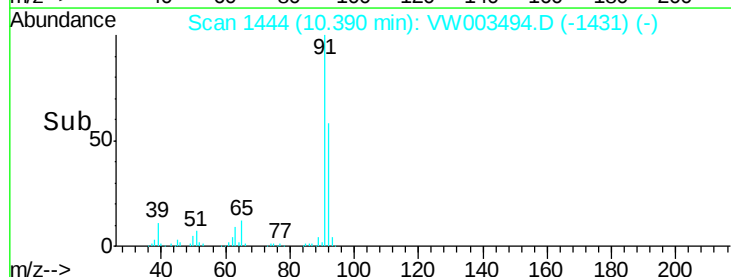


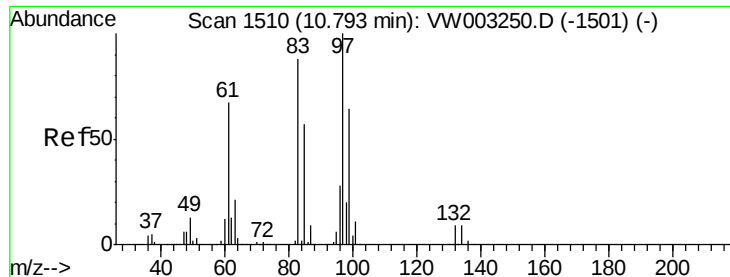
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



Time-->

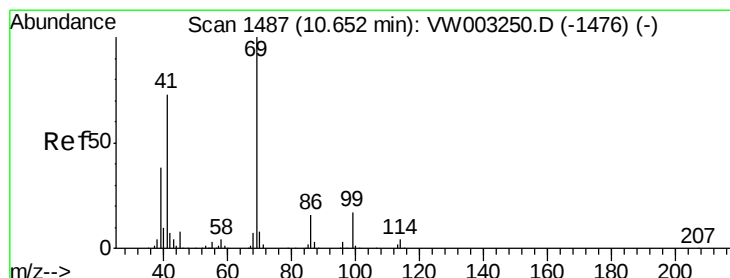
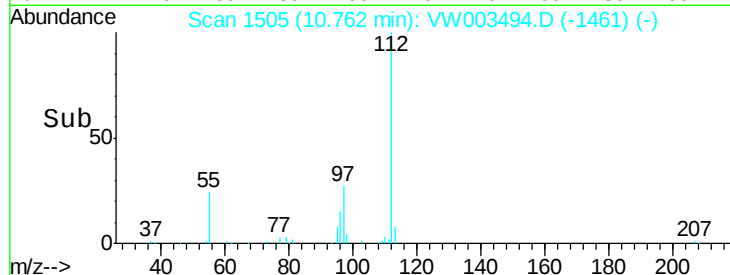
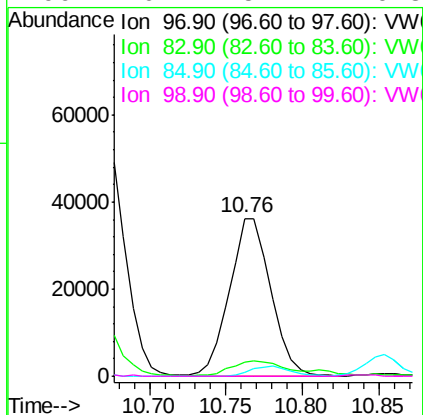
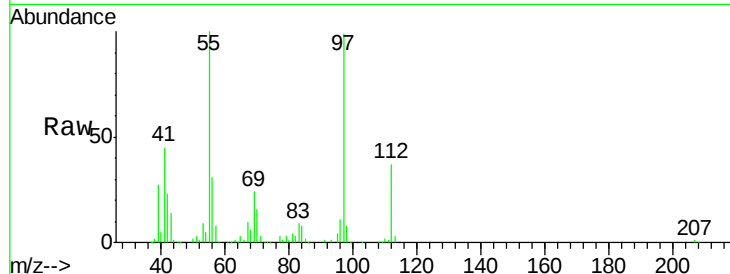




#55
 1,1,2-Trichloroethane
 Concen: 42.782 ug/l
 RT: 10.76 min Scan# 1505
 Delta R.T. -0.03 min
 Lab File: VW003494.D
 Acq: 24 Jun 2018 07:31

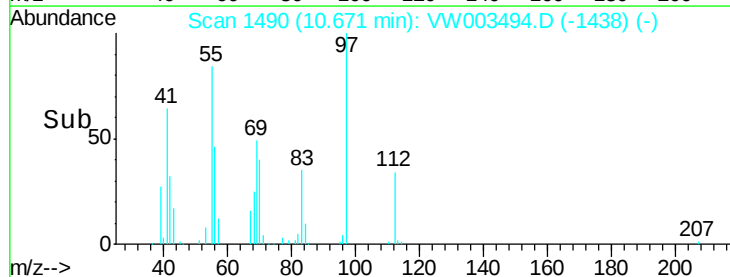
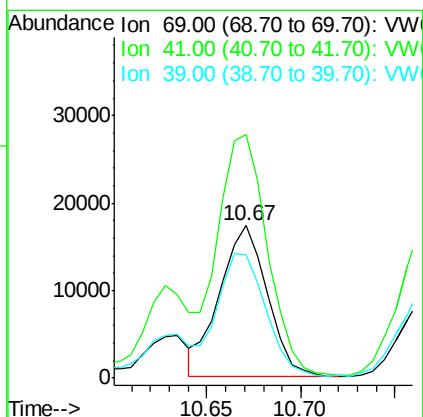
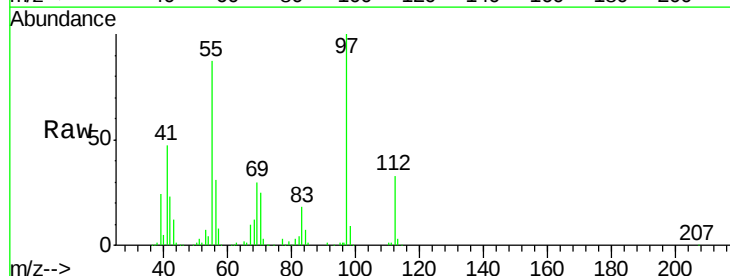
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB477-25-27-180621

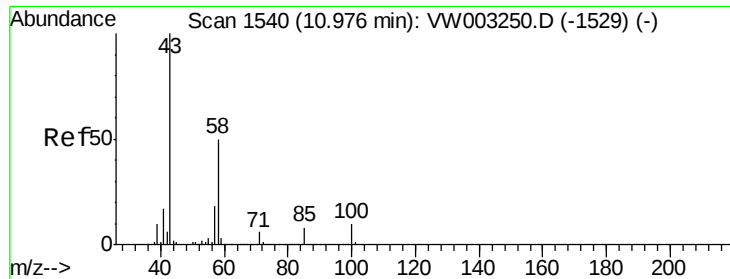
Tgt Ion: 97 Resp: 67749
 Ion Ratio Lower Upper
 97 100
 83 9.0 70.2 105.2#
 85 2.2 45.6 68.4#
 99 0.4 51.2 76.8#



#56
 Ethyl methacrylate
 Concen: 15.731 ug/l
 RT: 10.67 min Scan# 1490
 Delta R.T. 0.02 min
 Lab File: VW003494.D
 Acq: 24 Jun 2018 07:31

Tgt Ion: 69 Resp: 30250
 Ion Ratio Lower Upper
 69 100
 41 159.6 57.8 86.6#
 39 79.5 32.7 49.1#

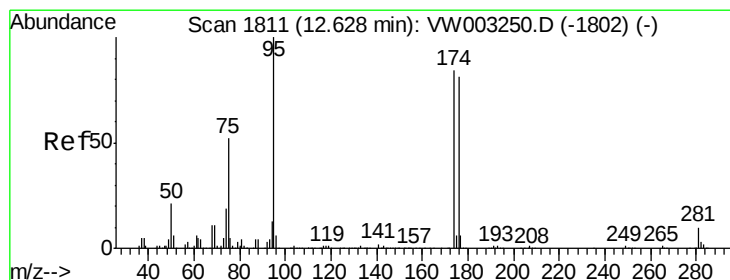
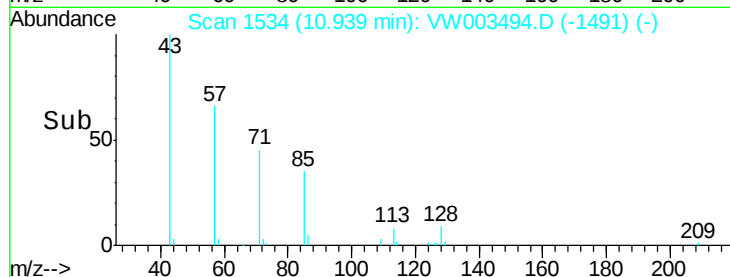
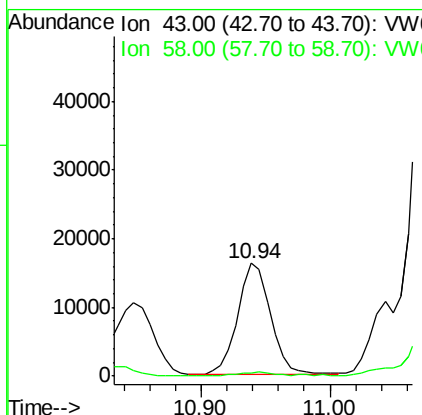
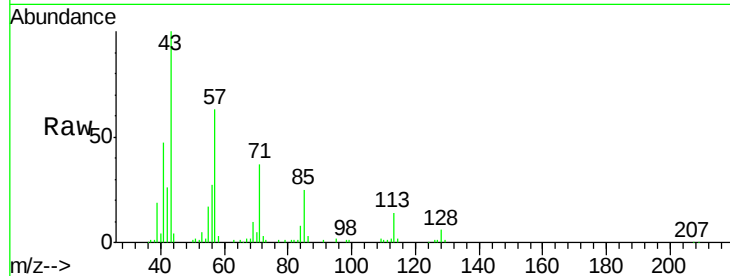




#59
2-Hexanone
Concen: 30.972 ug/l
RT: 10.94 min Scan# 1534
Delta R.T. -0.04 min
Lab File: VW003494.D
Acq: 24 Jun 2018 07:31

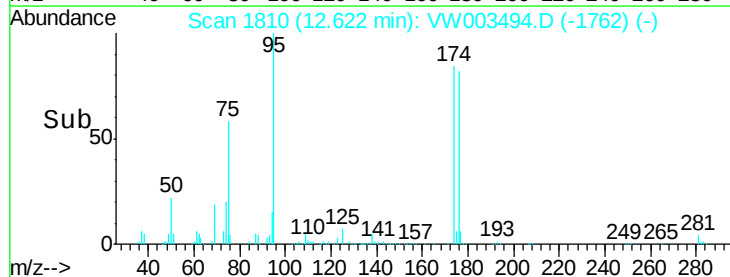
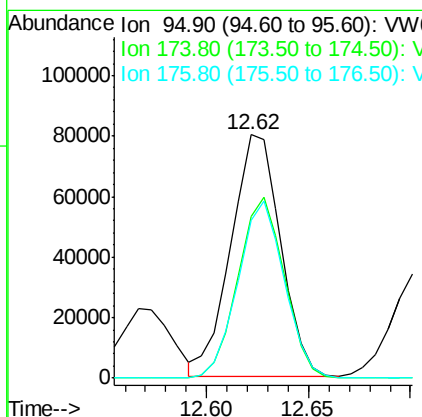
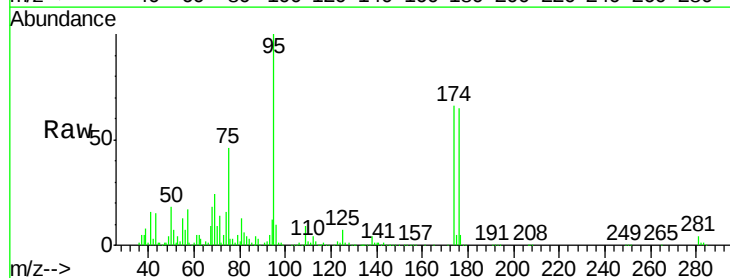
Instrument :
MSVOA_W
ClientSampleId :
WP021SB477-25-27-180621

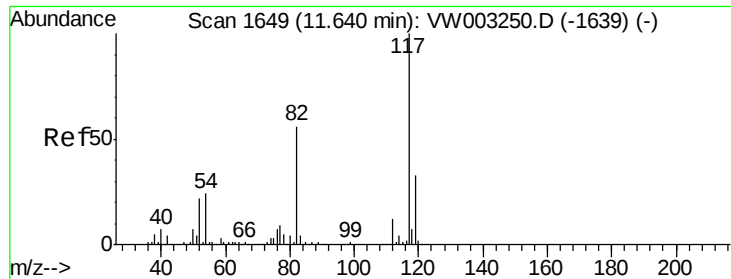
Tgt Ion: 43 Resp: 28364
Ion Ratio Lower Upper
43 100
58 4.1 25.0 75.0#



#62
4-Bromofluorobenzene
Concen: 47.570 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VW003494.D
Acq: 24 Jun 2018 07:31

Tgt Ion: 95 Resp: 134327
Ion Ratio Lower Upper
95 100
174 70.5 0.0 166.4
176 68.9 0.0 162.0

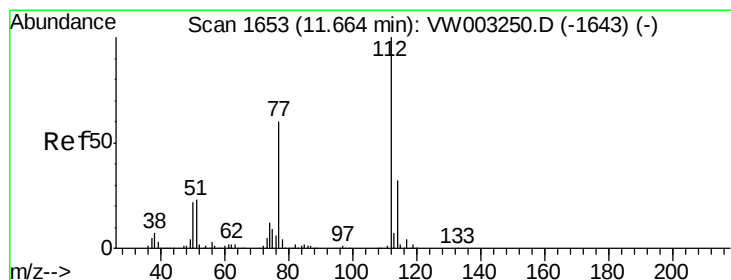
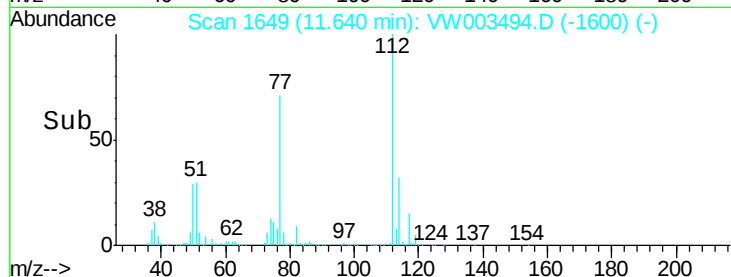
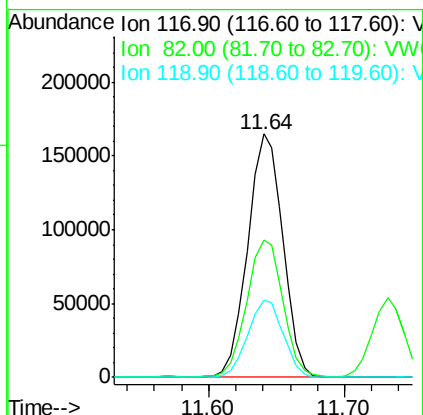
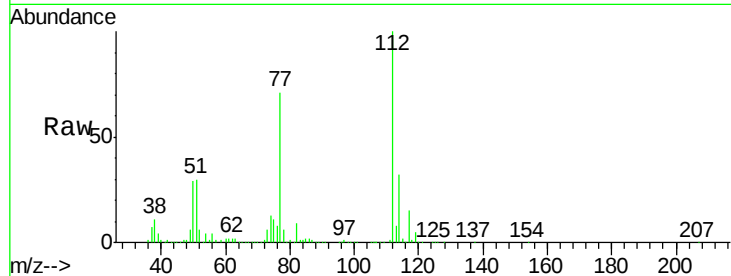




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003494.D
Acq: 24 Jun 2018 07:31

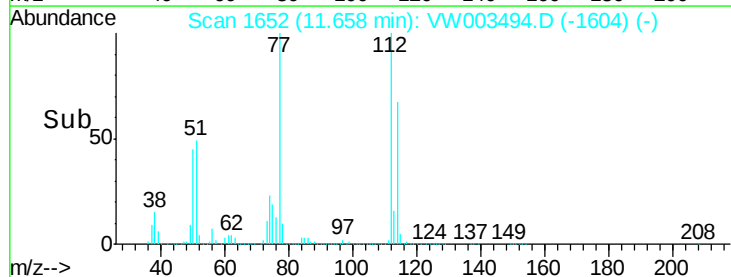
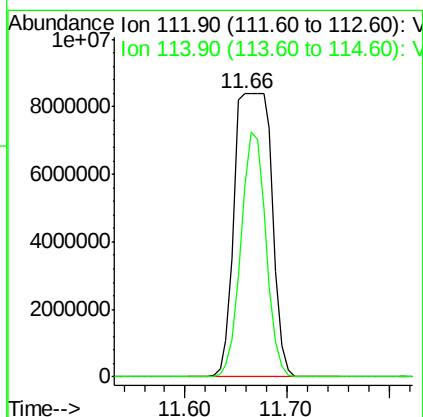
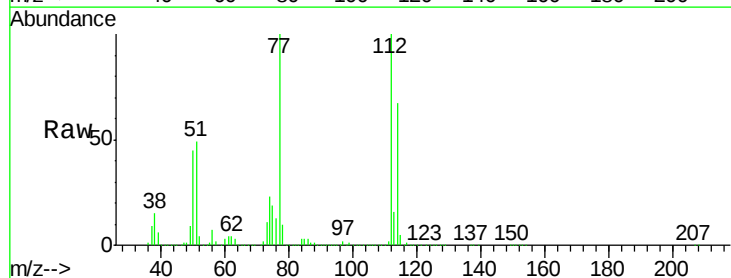
Instrument :
MSVOA_W
ClientSampleId :
WP021SB477-25-27-180621

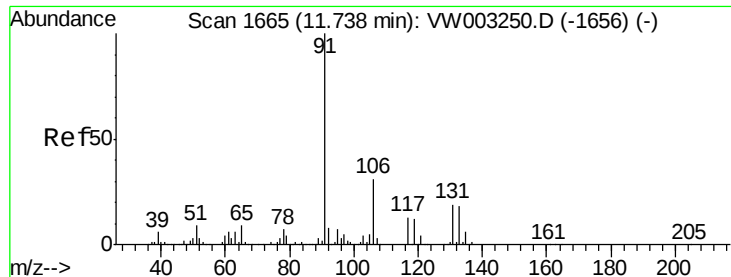
Tgt Ion:117 Resp: 298195
Ion Ratio Lower Upper
117 100
82 56.4 44.6 67.0
119 31.7 26.7 40.1



#65
Chlorobenzene
Concen: 3431.450 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VW003494.D
Acq: 24 Jun 2018 07:31

Tgt Ion:112 Resp:21308144
Ion Ratio Lower Upper
112 100
114 67.0 25.9 38.9#

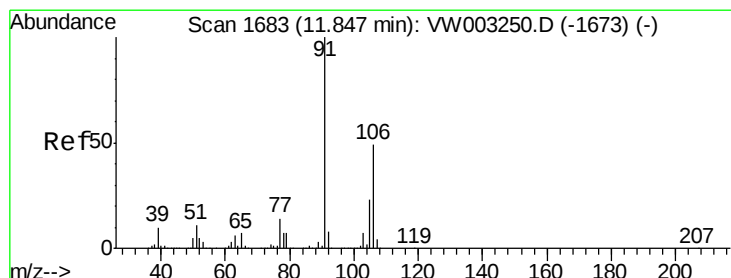
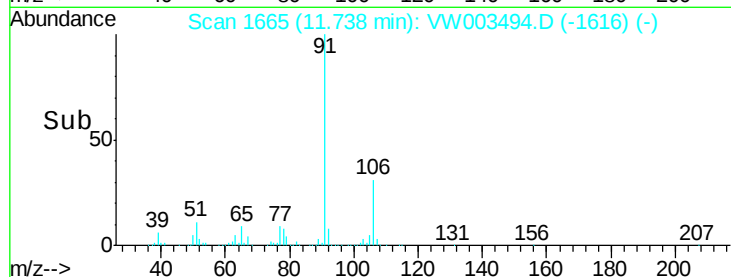
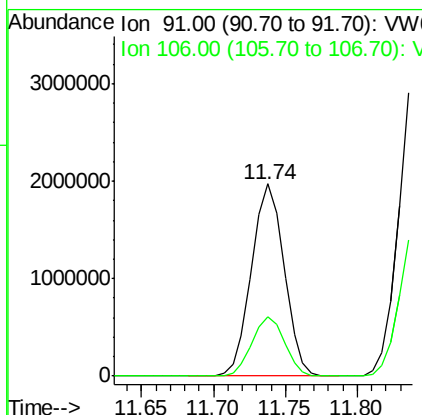
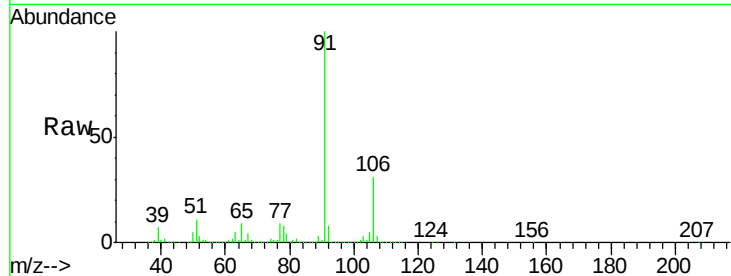




#67
Ethyl Benzene
Concen: 281.631 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003494.D
Acq: 24 Jun 2018 07:31

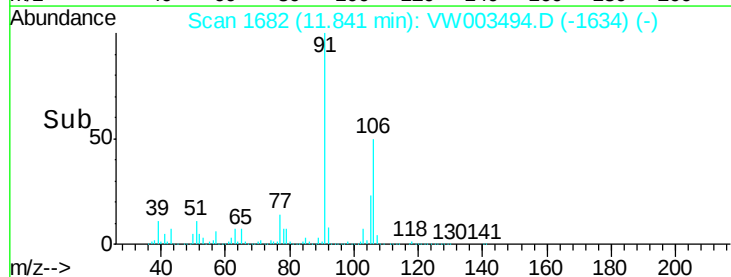
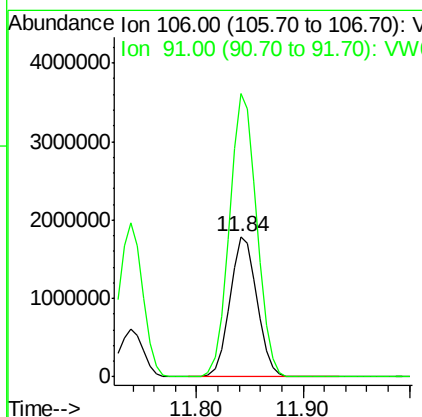
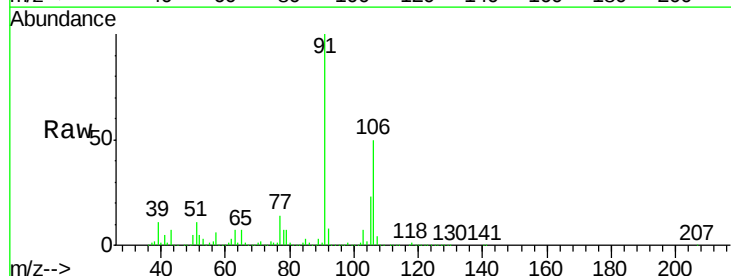
Instrument :
MSVOA_W
ClientSampleId :
WP021SB477-25-27-180621

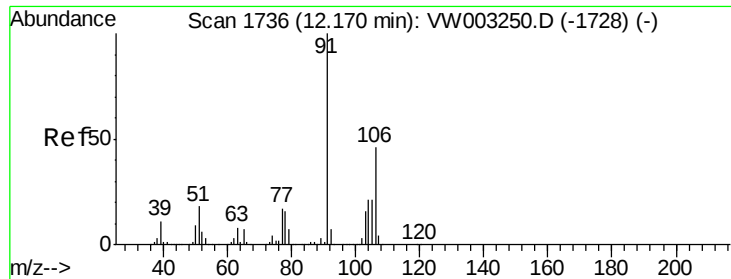
Tgt Ion: 91 Resp: 3100030
Ion Ratio Lower Upper
91 100
106 31.0 24.7 37.1



#68
m/p-Xylenes
Concen: 760.887 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW003494.D
Acq: 24 Jun 2018 07:31

Tgt Ion:106 Resp: 3183792
Ion Ratio Lower Upper
106 100
91 203.2 165.4 248.0

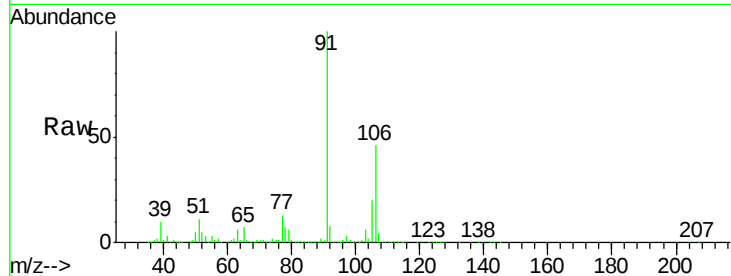




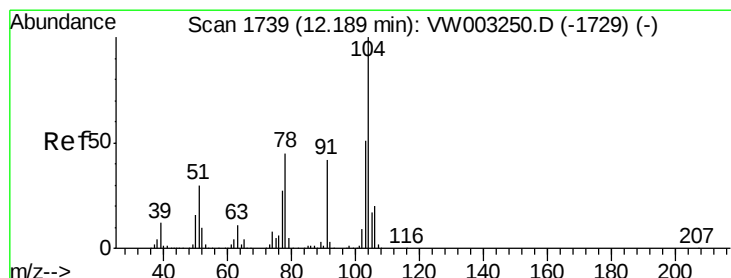
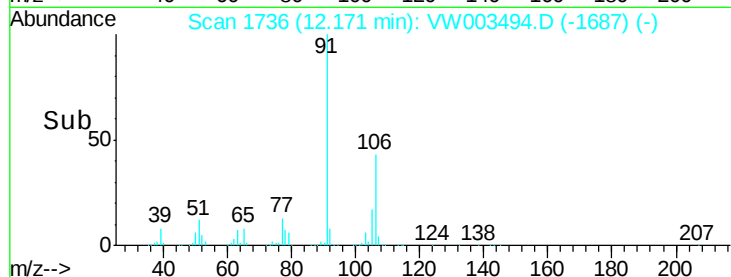
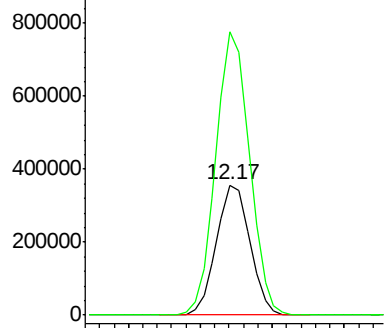
#69
o-Xylene
Concen: 148.364 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003494.D
Acq: 24 Jun 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
WP021SB477-25-27-180621

Tgt Ion:106 Resp: 575343
Ion Ratio Lower Upper
106 100
91 218.7 108.6 325.6

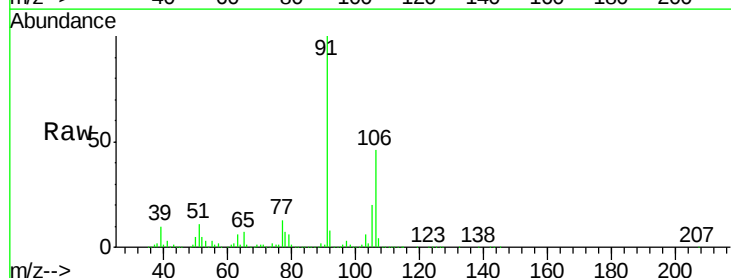


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

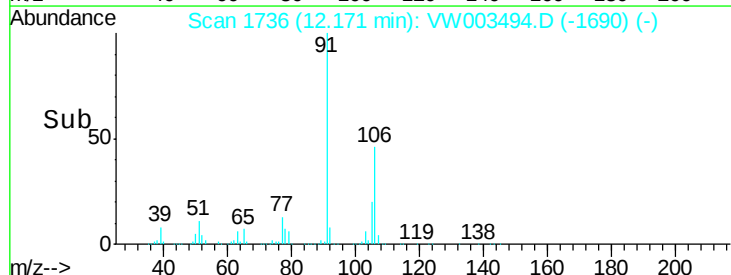
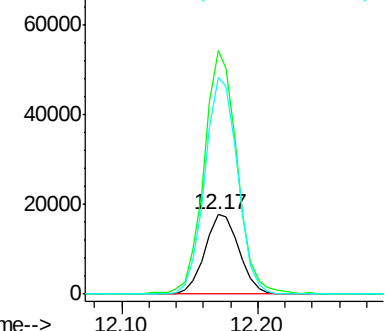


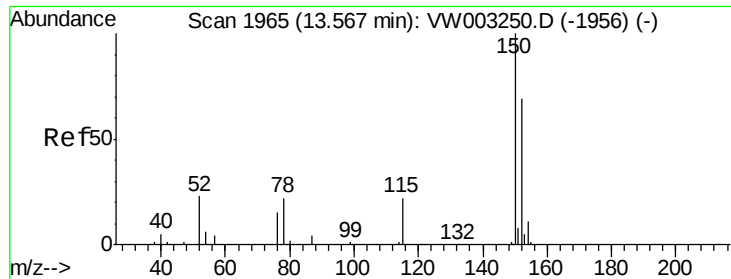
#70
Styrene
Concen: 4.796 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.02 min
Lab File: VW003494.D
Acq: 24 Jun 2018 07:31

Tgt Ion:104 Resp: 30957
Ion Ratio Lower Upper
104 100
78 295.1 41.3 61.9#
103 261.2 45.0 67.4#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. 0.01 min

Lab File: VW003494.D

Acq: 24 Jun 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

WP021SB477-25-27-180621

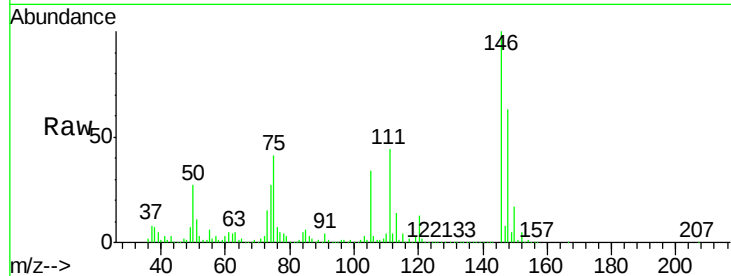
Tgt Ion:152 Resp: 125036

Ion Ratio Lower Upper

152 100

115 0.0 29.3 88.0#

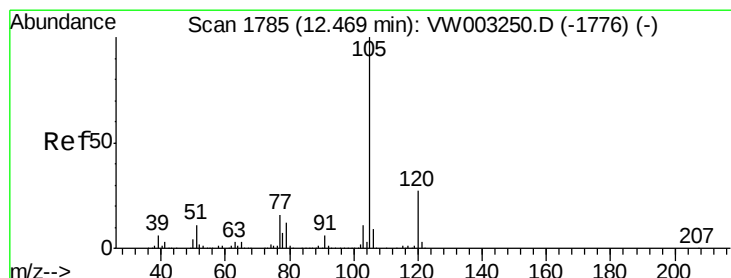
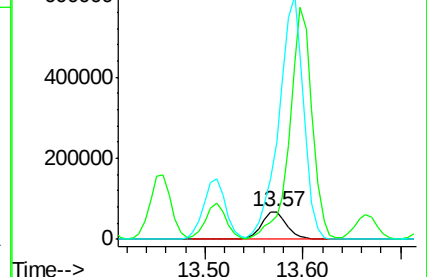
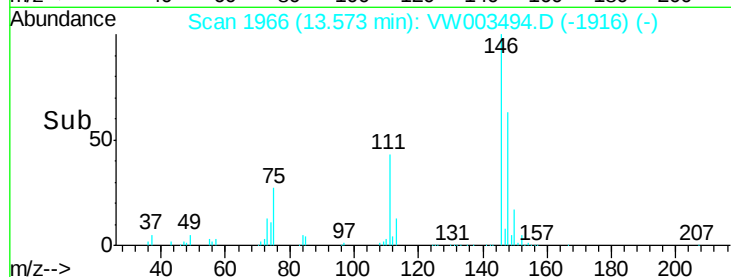
150 0.0 0.0 349.6



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



#73

Isopropylbenzene

Concen: 208.641 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003494.D

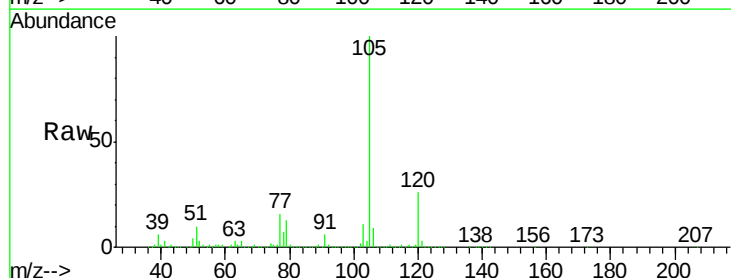
Acq: 24 Jun 2018 07:31

Tgt Ion:105 Resp: 1814500

Ion Ratio Lower Upper

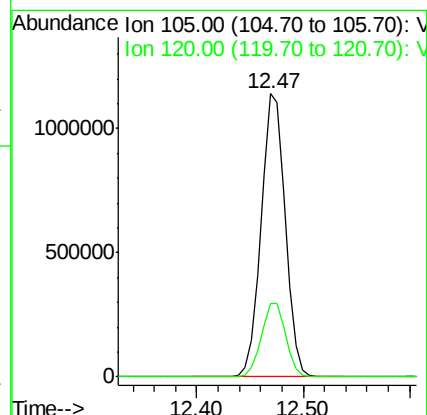
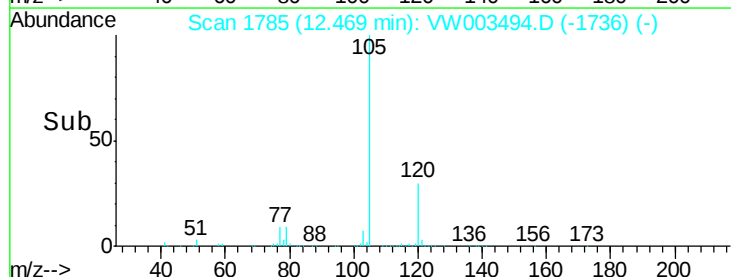
105 100

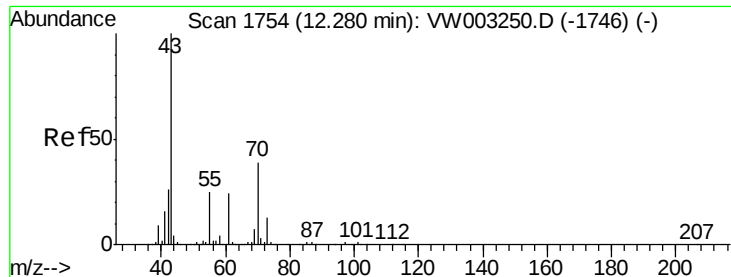
120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 34.756 ug/l

RT: 12.26 min Scan# 1751

Delta R.T. -0.02 min

Lab File: VW003494.D

Acq: 24 Jun 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

WP021SB477-25-27-180621

Tgt Ion: 43 Resp: 68800

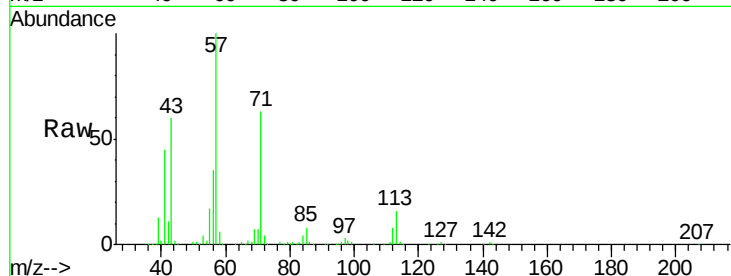
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 0.0 19.7 29.5#

61 0.0 18.1 27.1#

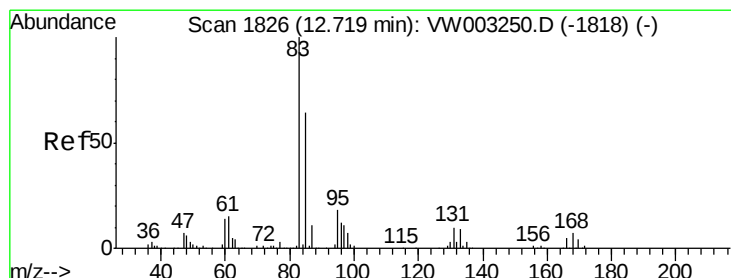
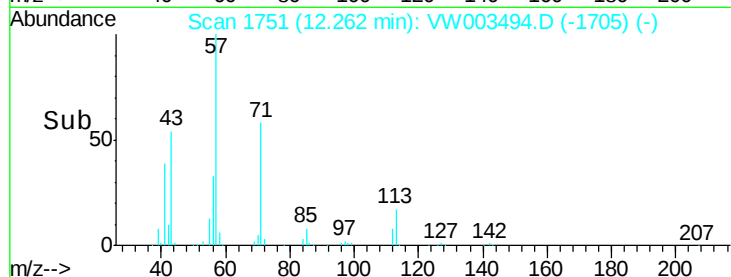
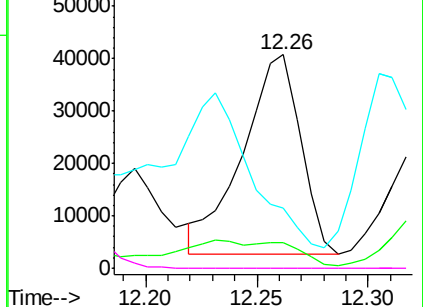


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 3.735 ug/l

RT: 12.70 min Scan# 1823

Delta R.T. -0.02 min

Lab File: VW003494.D

Acq: 24 Jun 2018 07:31

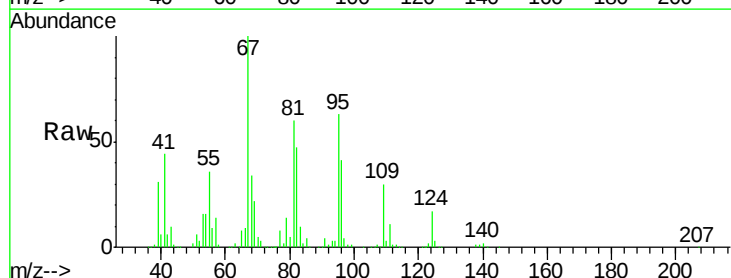
Tgt Ion: 83 Resp: 5496

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

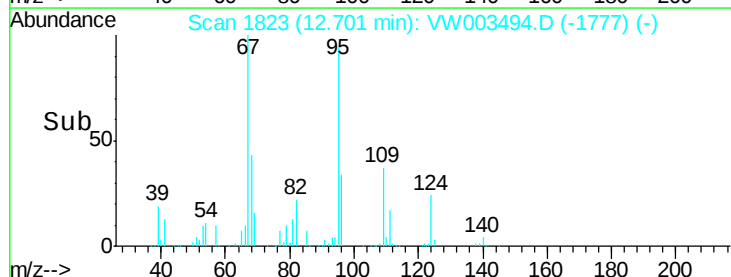
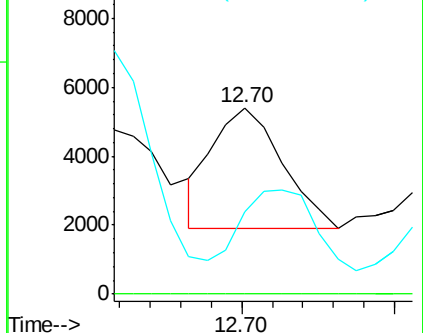
85 0.0 31.9 95.7#

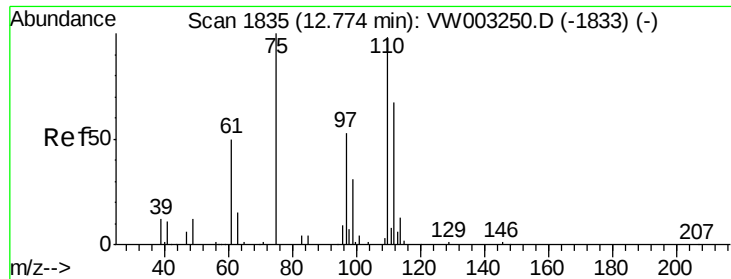


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

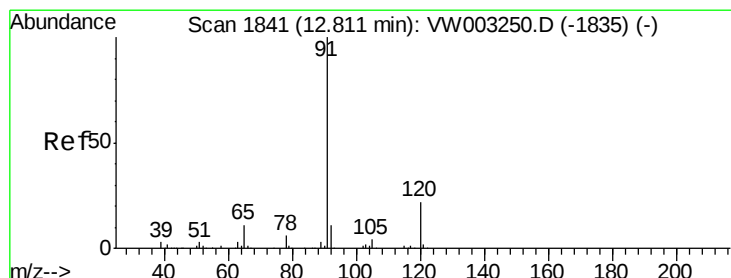
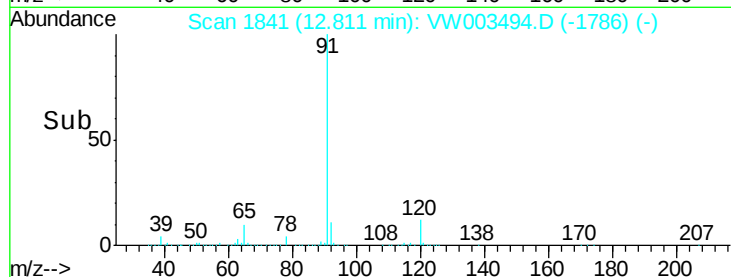
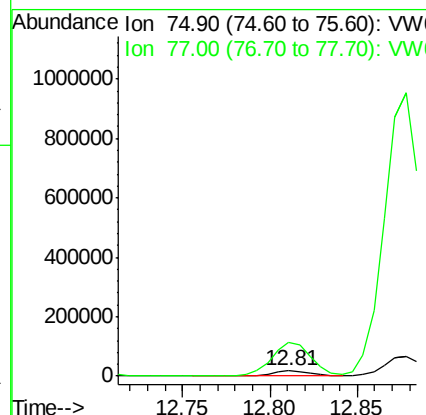
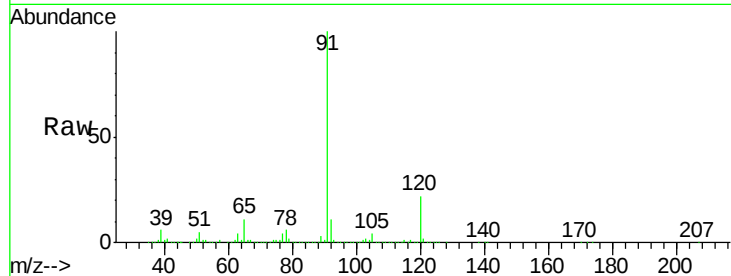




#76
 1,2,3-Trichloropropane
 Concen: 24.956 ug/l
 RT: 12.81 min Scan# 1841
 Delta R.T. 0.04 min
 Lab File: VW003494.D
 Acq: 24 Jun 2018 07:31

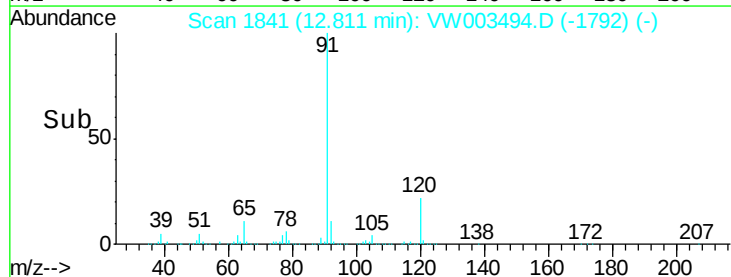
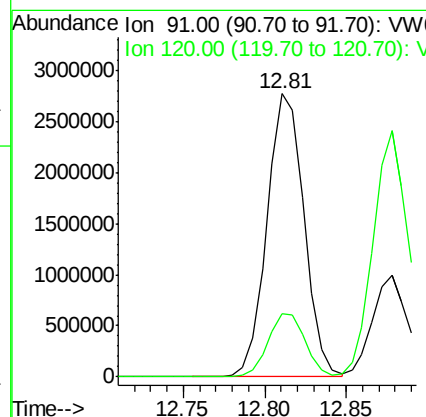
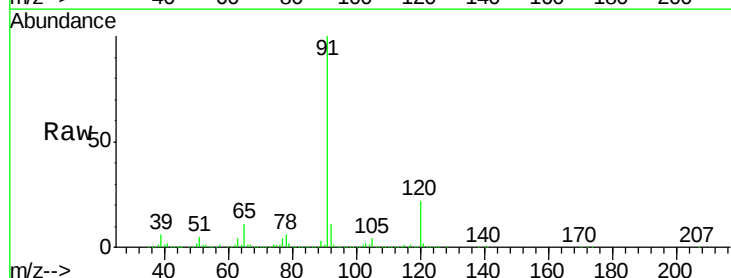
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB477-25-27-180621

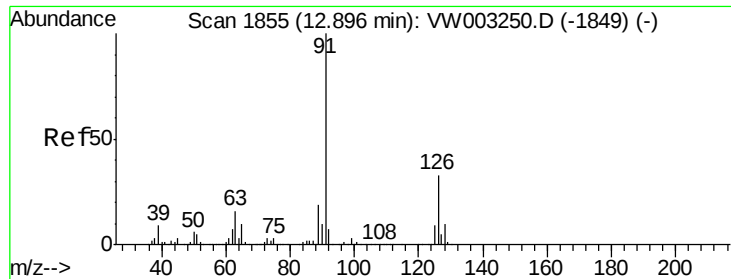
Tgt Ion: 75 Resp: 26676
 Ion Ratio Lower Upper
 75 100
 77 669.5 0.0 0.0#



#78
 n-propylbenzene
 Concen: 409.729 ug/l
 RT: 12.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VW003494.D
 Acq: 24 Jun 2018 07:31

Tgt Ion: 91 Resp: 4363222
 Ion Ratio Lower Upper
 91 100
 120 22.5 11.3 33.8





#79

2-Chlorotoluene

Concen: 327.125 ug/l

RT: 12.88 min Scan# 1852

Delta R.T. -0.02 min

Lab File: VW003494.D

Acq: 24 Jun 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

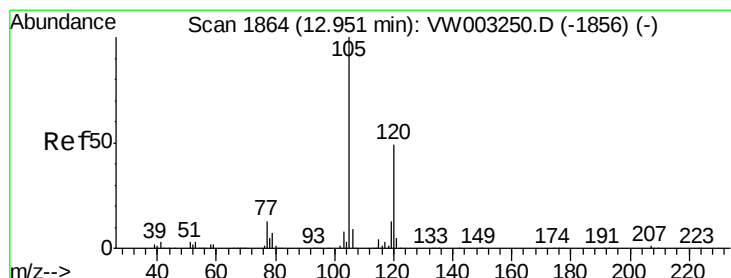
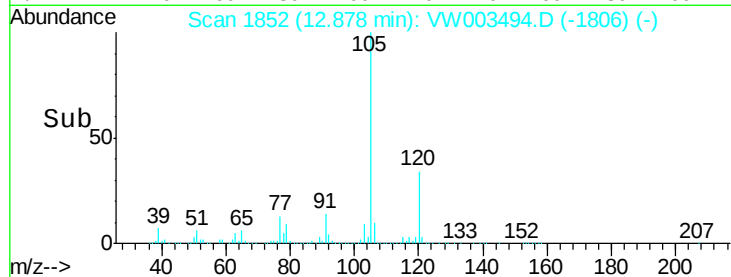
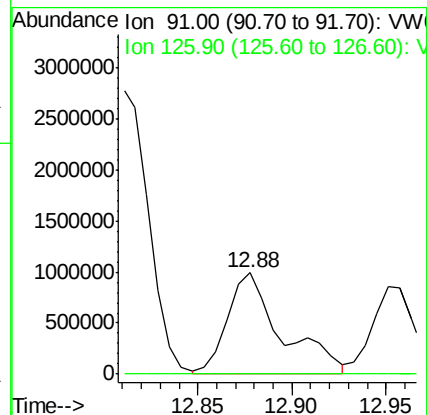
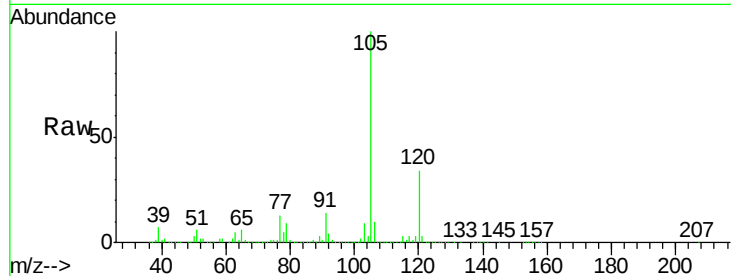
WP021SB477-25-27-180621

Tgt Ion: 91 Resp: 1968637

Ion Ratio Lower Upper

91 100

126 0.0 16.8 50.4#



#80

1,3,5-Trimethylbenzene

Concen: 1581.085 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003494.D

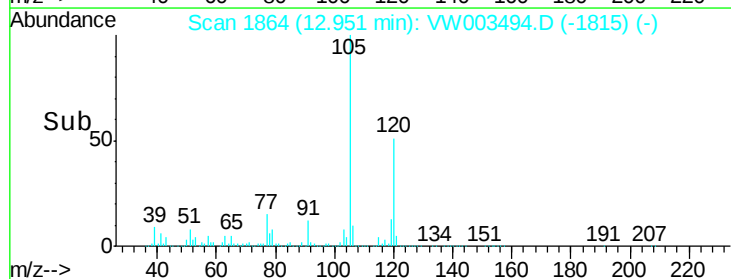
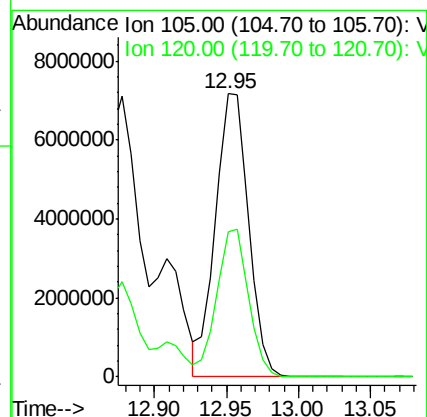
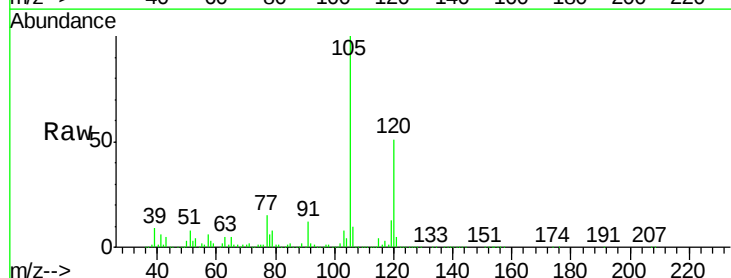
Acq: 24 Jun 2018 07:31

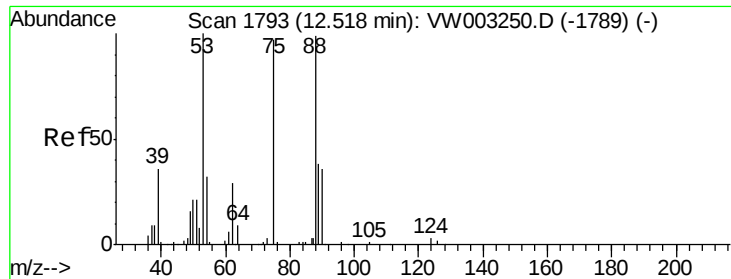
Tgt Ion: 105 Resp: 11541658

Ion Ratio Lower Upper

105 100

120 50.3 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 49.125 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.05 min

Lab File: VW003494.D

Acq: 24 Jun 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

WP021SB477-25-27-180621

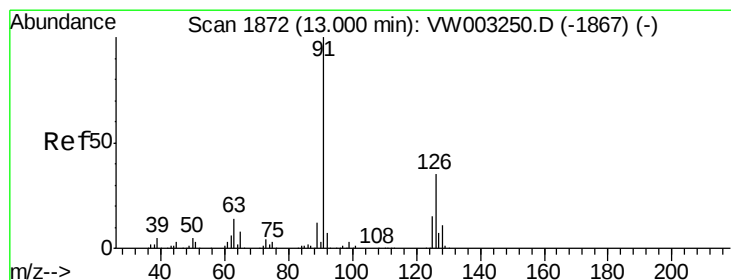
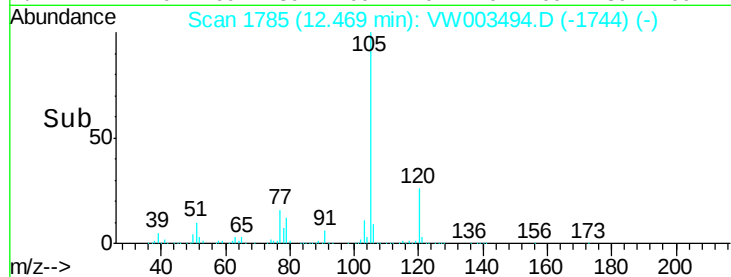
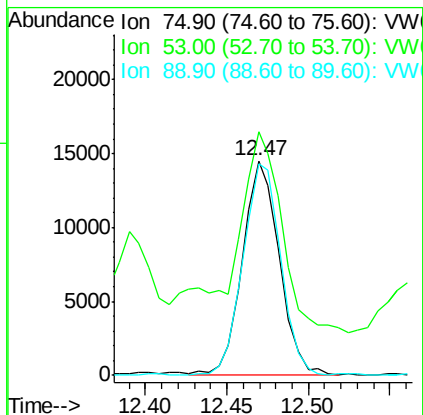
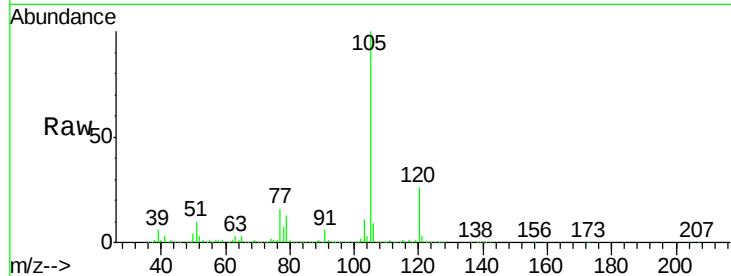
Tgt Ion: 75 Resp: 22820

Ion Ratio Lower Upper

75 100

53 96.3 82.9 124.3

89 101.0 36.7 55.1#



#82

4-Chlorotoluene

Concen: 209.279 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.05 min

Lab File: VW003494.D

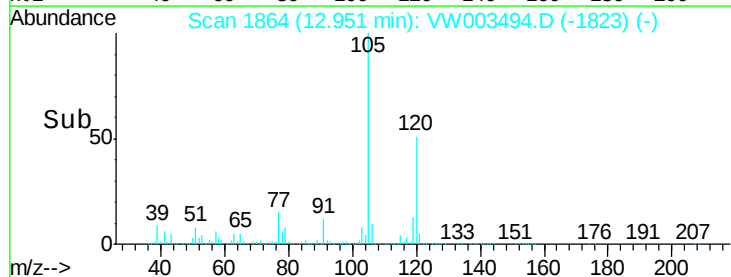
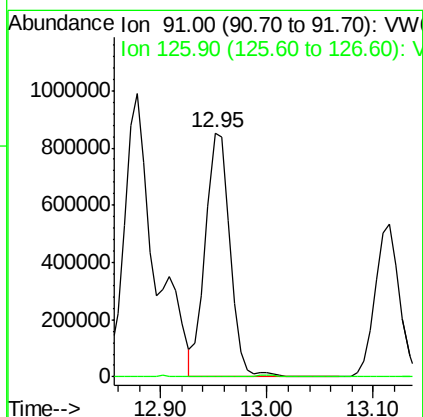
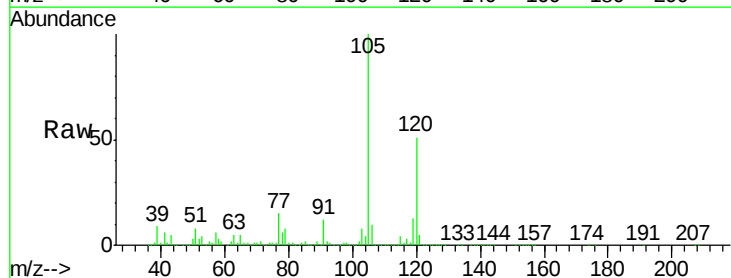
Acq: 24 Jun 2018 07:31

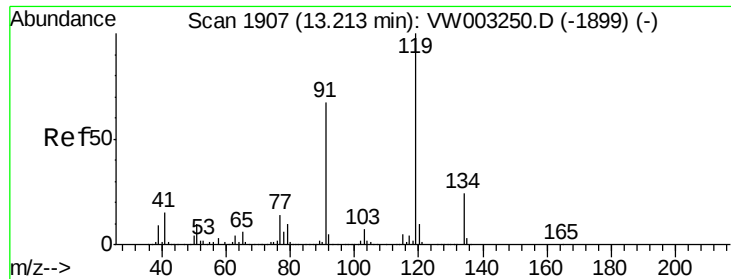
Tgt Ion: 91 Resp: 1336040

Ion Ratio Lower Upper

91 100

126 0.1 16.8 50.3#

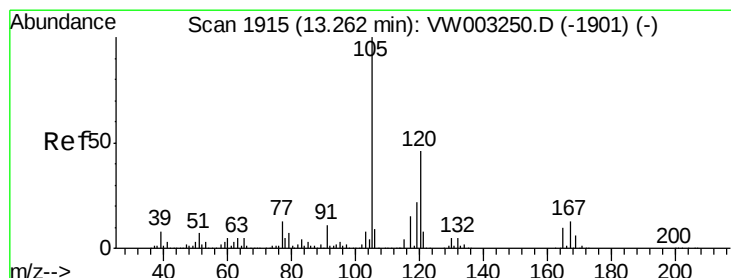
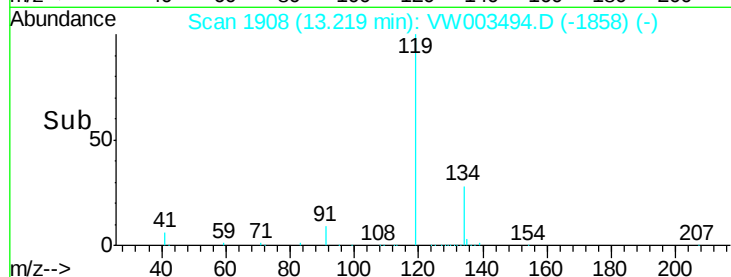
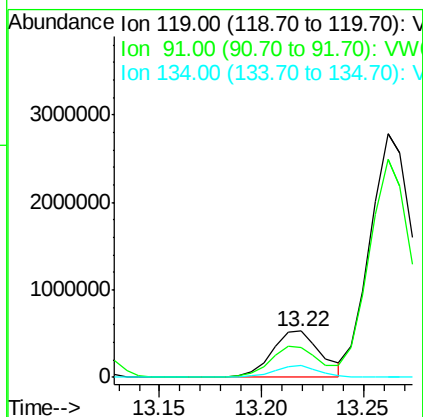
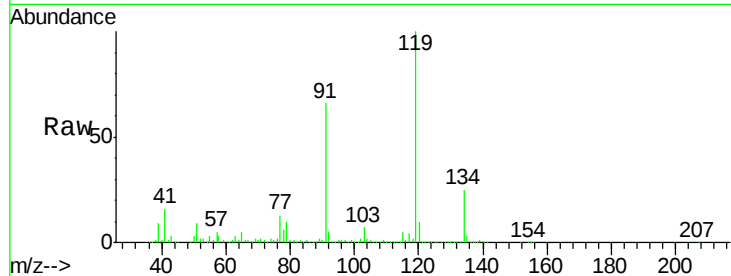




#83
 tert-Butylbenzene
 Concen: 140.836 ug/l
 RT: 13.22 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VW003494.D
 Acq: 24 Jun 2018 07:31

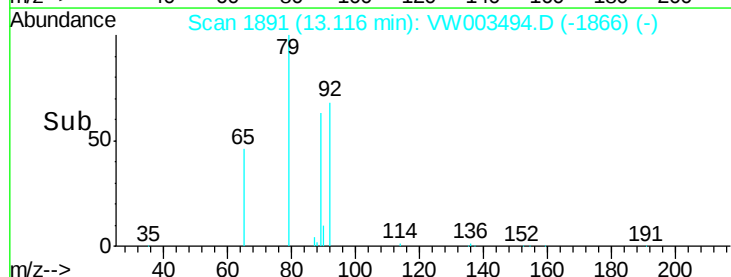
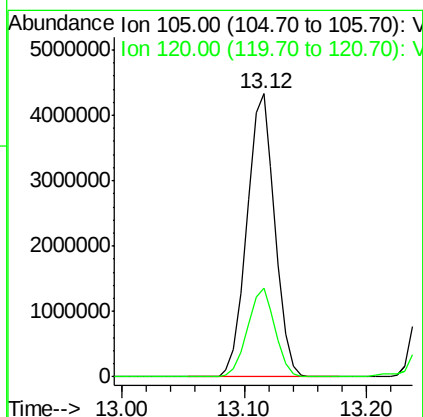
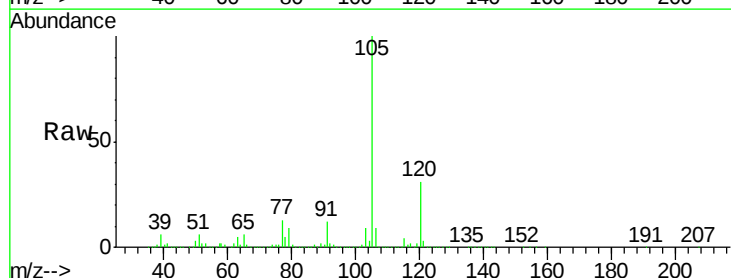
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB477-25-27-180621

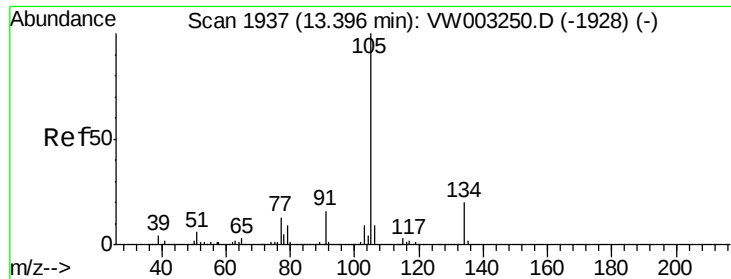
Tgt Ion:119 Resp: 876154
 Ion Ratio Lower Upper
 119 100
 91 68.4 33.9 101.7
 134 23.5 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 910.180 ug/l
 RT: 13.12 min Scan# 1891
 Delta R.T. -0.15 min
 Lab File: VW003494.D
 Acq: 24 Jun 2018 07:31

Tgt Ion:105 Resp: 6834630
 Ion Ratio Lower Upper
 105 100
 120 30.8 22.5 67.5

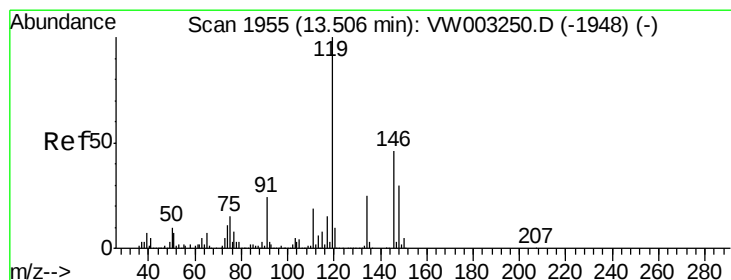
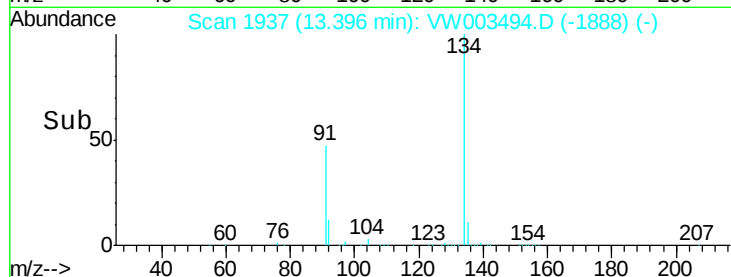
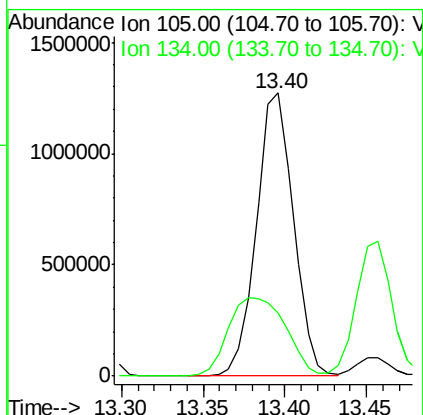
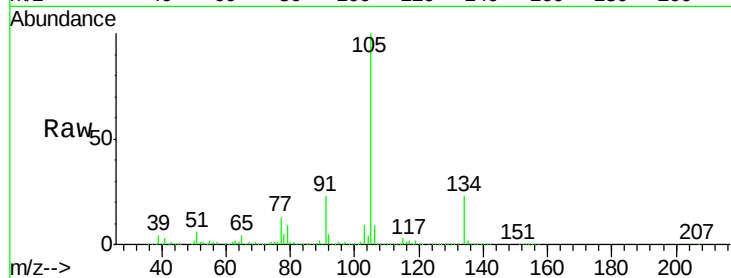




#85
 sec-Butylbenzene
 Concen: 215.997 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VW003494.D
 Acq: 24 Jun 2018 07:31

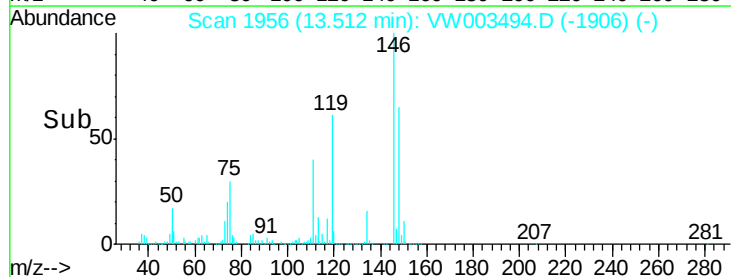
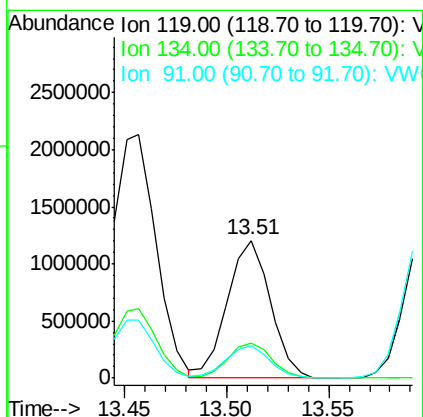
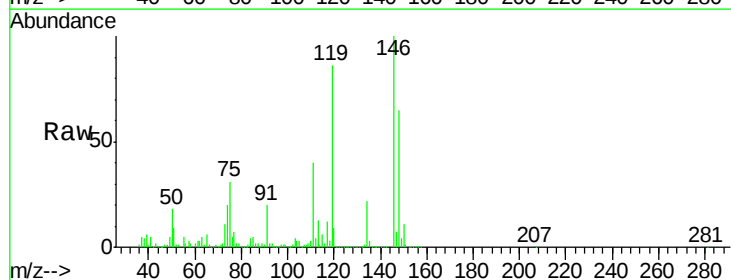
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB477-25-27-180621

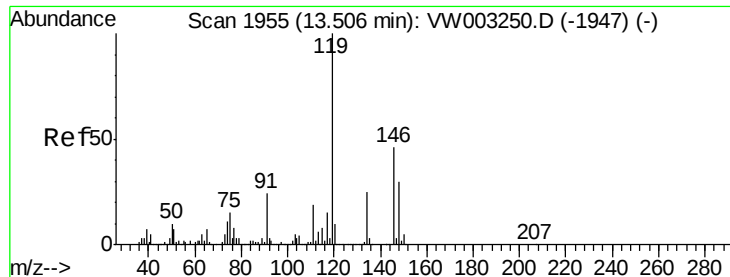
Tgt Ion:105 Resp: 1997327
 Ion Ratio Lower Upper
 105 100
 134 43.6 9.8 29.5#



#86
 p-Isopropyltoluene
 Concen: 216.209 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. 0.01 min
 Lab File: VW003494.D
 Acq: 24 Jun 2018 07:31

Tgt Ion:119 Resp: 1763365
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.9 38.7
 91 23.6 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 547.221 ug/l

RT: 13.51 min Scan# 1956

Delta R.T. 0.01 min

Lab File: VW003494.D

Acq: 24 Jun 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

WP021SB477-25-27-180621

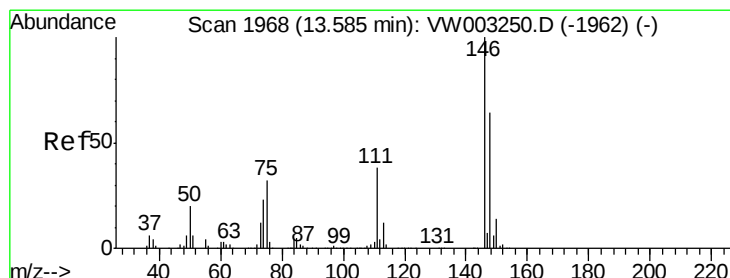
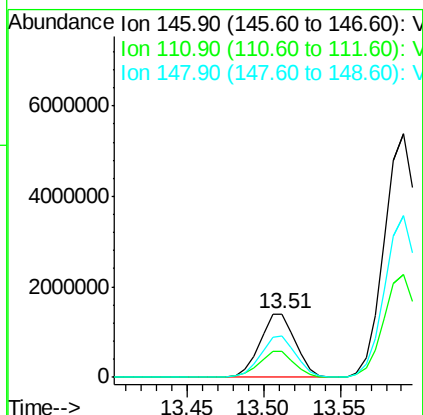
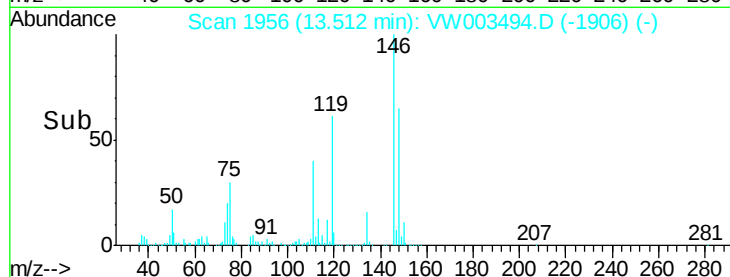
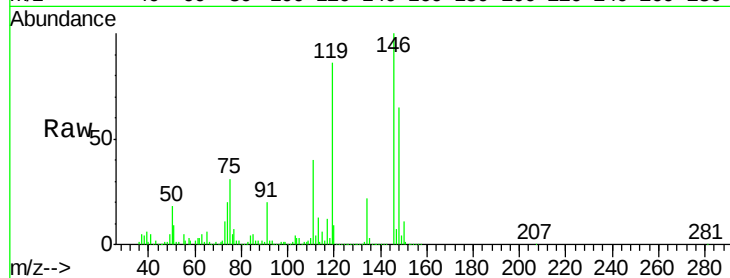
Tgt Ion:146 Resp: 2276860

Ion Ratio Lower Upper

146 100

111 40.5 19.8 59.4

148 64.1 32.1 96.5



#88

1,4-Dichlorobenzene

Concen: 2012.355 ug/l

RT: 13.59 min Scan# 1969

Delta R.T. 0.01 min

Lab File: VW003494.D

Acq: 24 Jun 2018 07:31

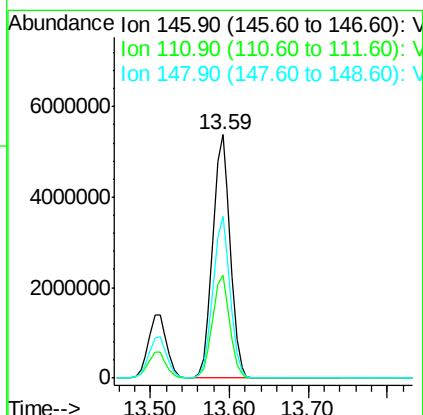
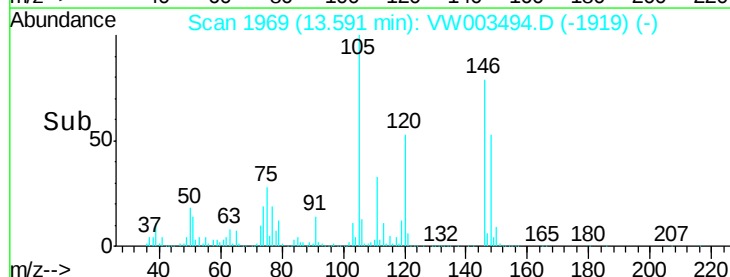
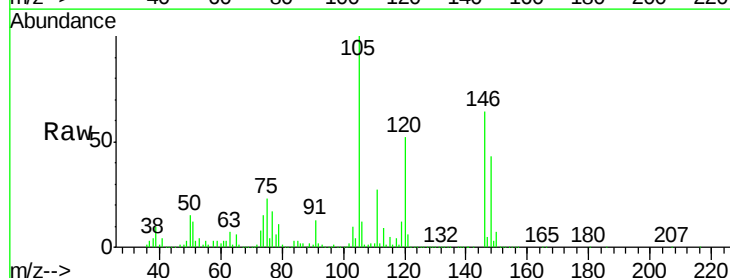
Tgt Ion:146 Resp: 8323897

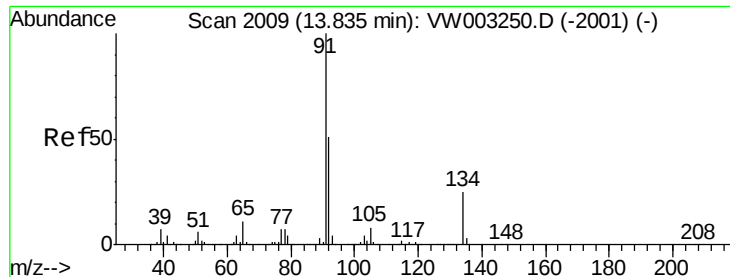
Ion Ratio Lower Upper

146 100

111 41.6 19.2 57.6

148 65.1 31.8 95.4

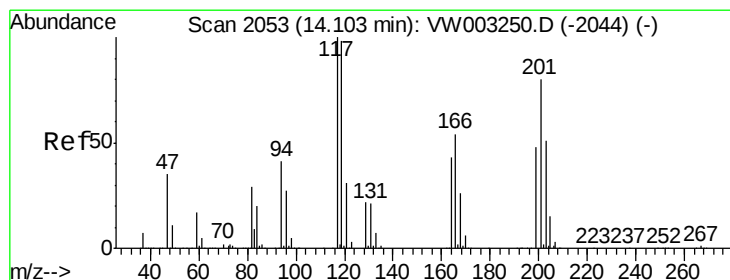
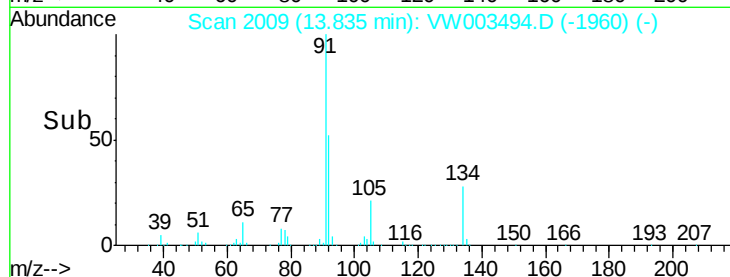
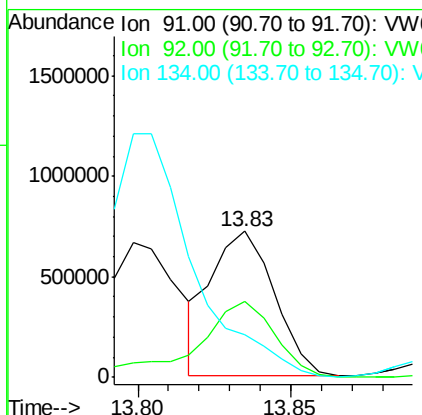
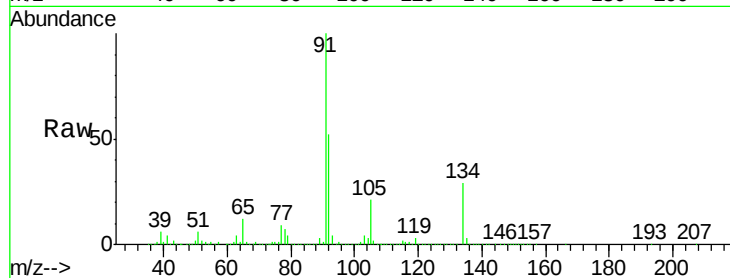




#89
n-Butylbenzene
Concen: 128.992 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VW003494.D
Acq: 24 Jun 2018 07:31

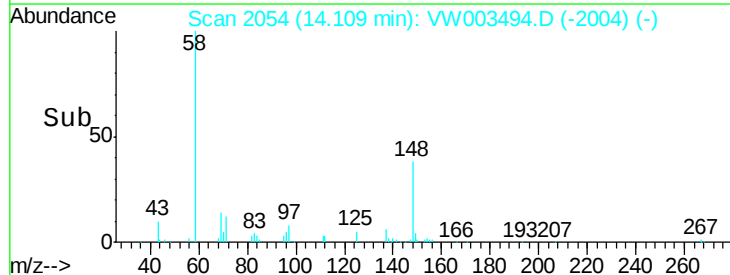
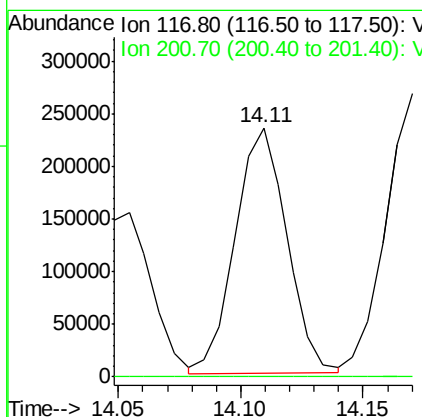
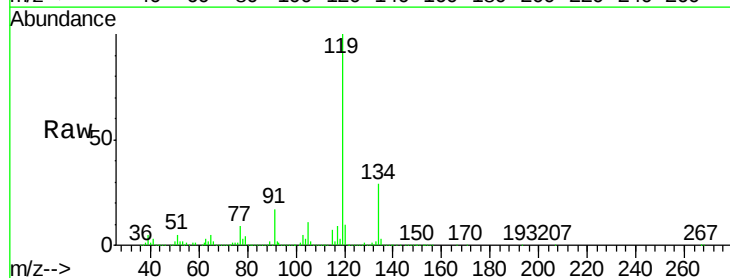
Instrument :
MSVOA_W
ClientSampleId :
WP021SB477-25-27-180621

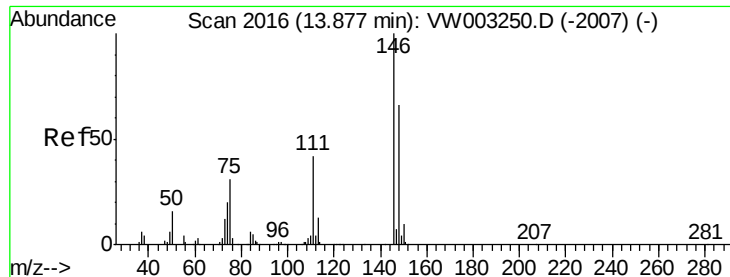
Tgt Ion: 91 Resp: 1025478
Ion Ratio Lower Upper
91 100
92 64.5 26.0 78.0
134 0.0 12.7 38.0#



#90
Hexachloroethane
Concen: 232.225 ug/l
RT: 14.11 min Scan# 2054
Delta R.T. 0.01 min
Lab File: VW003494.D
Acq: 24 Jun 2018 07:31

Tgt Ion: 117 Resp: 342619
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#

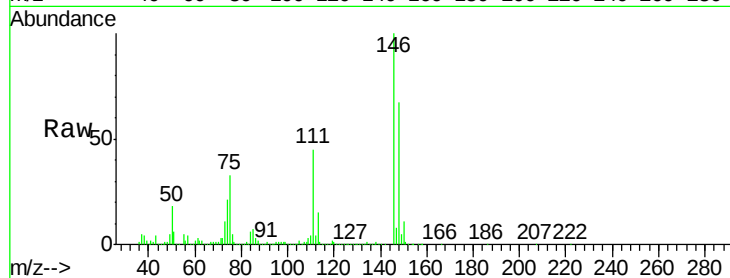




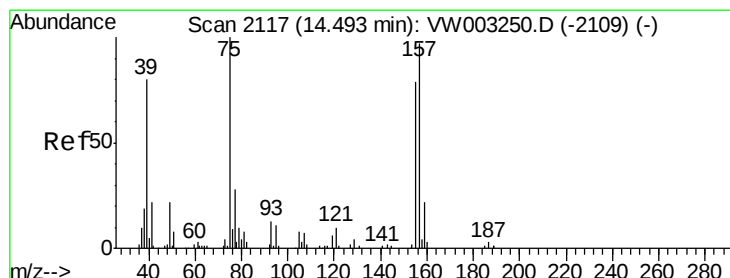
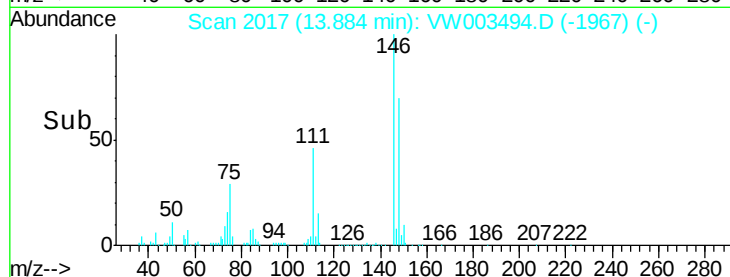
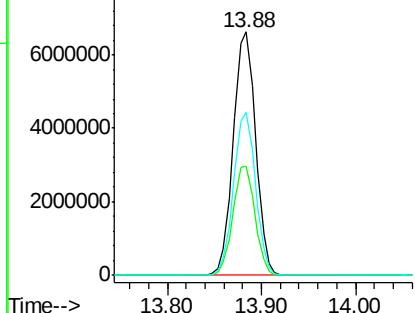
#91
 1,2-Dichlorobenzene
 Concen: 2993.497 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. 0.01 min
 Lab File: VW003494.D
 Acq: 24 Jun 2018 07:31

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB477-25-27-180621

Tgt Ion:146 Resp:10910315
 Ion Ratio Lower Upper
 146 100
 111 44.1 20.3 61.0
 148 65.8 32.3 96.9

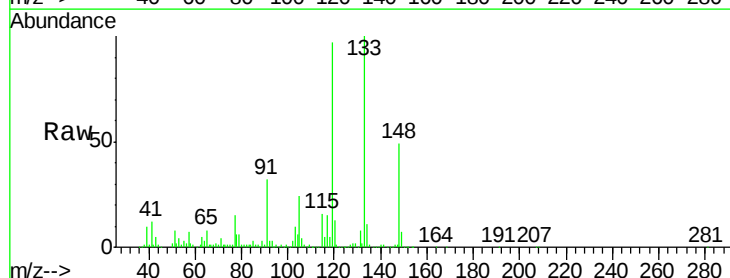


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

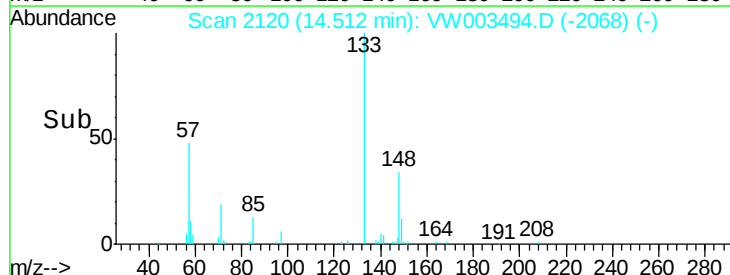
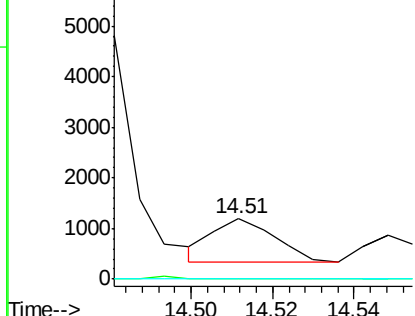


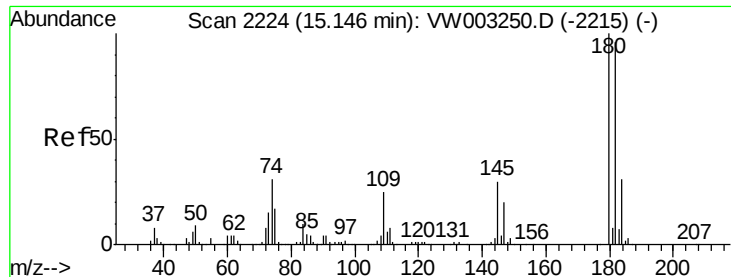
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.595 ug/l
 RT: 14.51 min Scan# 2120
 Delta R.T. 0.02 min
 Lab File: VW003494.D
 Acq: 24 Jun 2018 07:31

Tgt Ion: 75 Resp: 890
 Ion Ratio Lower Upper
 75 100
 155 2.1 39.4 118.2#
 157 0.0 51.5 154.5#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

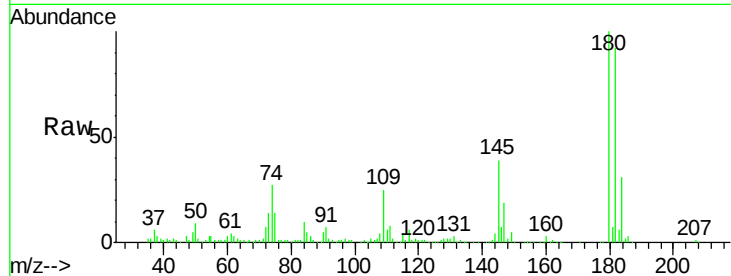




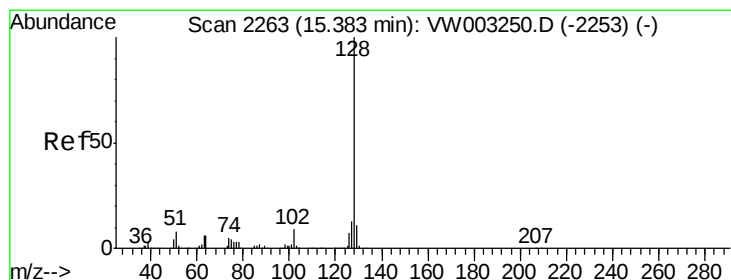
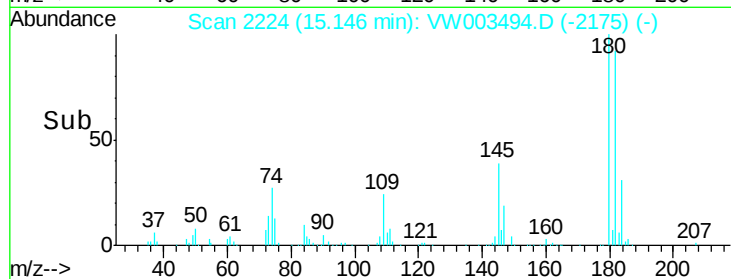
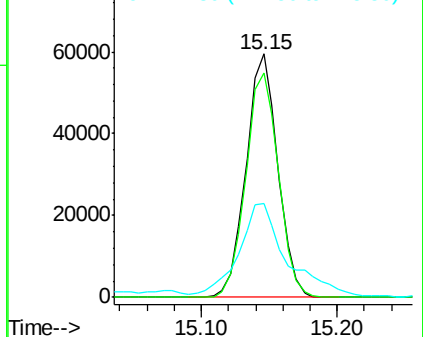
#93
 1,2,4-Trichlorobenzene
 Concen: 37.948 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003494.D
 Acq: 24 Jun 2018 07:31

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB477-25-27-180621

Tgt Ion:180 Resp: 97093
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.9 143.6
 145 59.0 15.2 45.5#

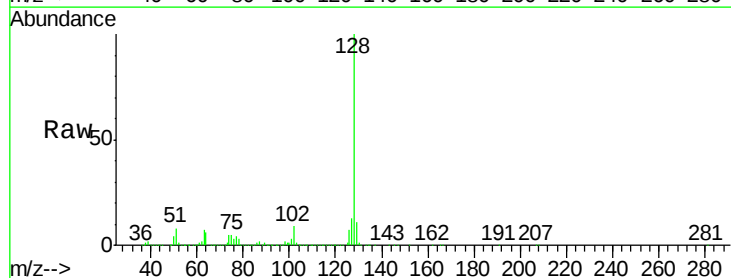


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

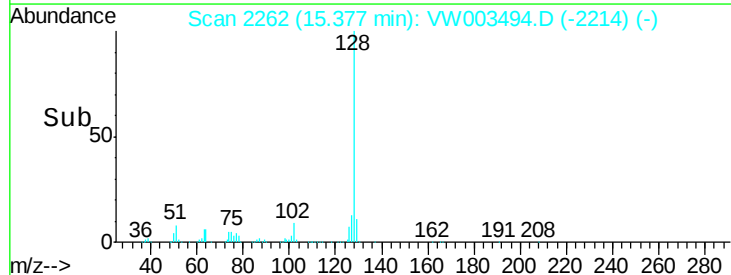
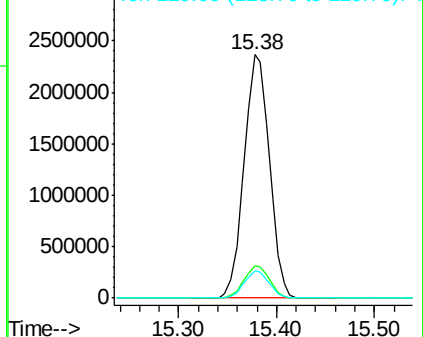


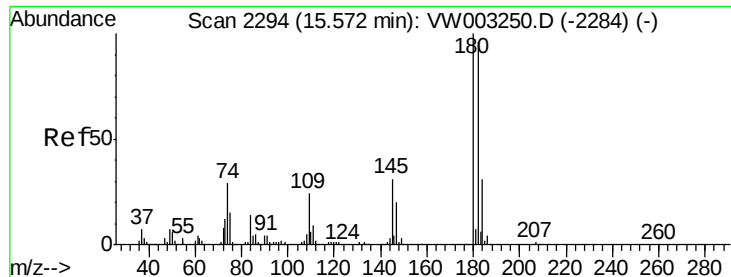
#95
 Naphthalene
 Concen: 978.712 ug/l
 RT: 15.38 min Scan# 2262
 Delta R.T. -0.01 min
 Lab File: VW003494.D
 Acq: 24 Jun 2018 07:31

Tgt Ion:128 Resp: 4247768
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.5 15.7
 129 11.0 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

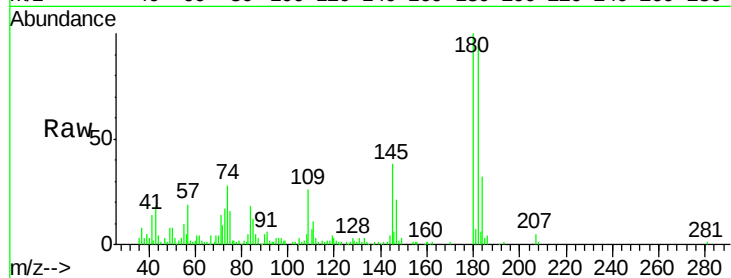




#96
 1,2,3-Trichlorobenzene
 Concen: 11.267 ug/l
 RT: 15.57 min Scan# 2293
 Delta R.T. -0.01 min
 Lab File: VW003494.D
 Acq: 24 Jun 2018 07:31

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB477-25-27-180621

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.9	143.6
145	46.6	15.8	47.4



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

