

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070818\
 Data File : VW003757.D
 Acq On : 07 Jul 2018 09:27
 Operator : SY/AP
 Sample : VSTD2.587
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.587

Quant Time: Jul 09 04:17:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070818S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 09 04:17:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	362816	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	339291	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	164233	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	12245	2.52	ug/L	0.00
7) Chloroethane-d5	2.89	69	8920	2.40	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	25610	2.76	ug/L	0.00
20) 2-Butanone-d5	7.09	46	7990	5.20	ug/L	0.00
24) Chloroform-d	7.65	84	25130	2.54	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	15061	2.55	ug/L	0.00
29) Benzene-d6	8.27	84	45261	2.52	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	14738	2.52	ug/L	0.00
37) Toluene-d8	10.33	98	40390	2.37	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	6243	2.33	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	4464	3.99	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	13100	2.40	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	15491	2.50	ug/L	0.00

Target Compounds

					Qvalue
3) Chloromethane	2.21	50	9824	2.328 ug/L	97
5) Vinyl chloride	2.36	62	15068	2.443 ug/L	98
6) Bromomethane	2.78	94	7502	2.124 ug/L	96
8) Chloroethane	2.92	64	8159	2.407 ug/L	98
9) Trichlorofluoromethane	3.25	101	7934	2.762 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	11716	2.567 ug/L #	60
12) 1,1-Dichloroethene	4.03	96	12031	2.693 ug/L	91
13) Acetone	4.15	43	10042	5.906 ug/L	98
14) Carbon disulfide	4.37	76	38479	2.641 ug/L	99
15) Methyl Acetate	4.68	43	7635	2.811 ug/L #	85
16) Methylene chloride	4.90	84	15092	2.595 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	20550	2.410 ug/L #	91
18) trans-1,2-Dichloroethene	5.42	96	12656	2.613 ug/L	95
19) 1,1-Dichloroethane	6.21	63	23223	2.464 ug/L	97
21) 2-Butanone	7.18	43	9700	4.537 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	12716	2.393 ug/L	95
23) Bromochloromethane	7.51	128	6074	2.429 ug/L	92
25) Chloroform	7.68	83	24249	2.480 ug/L	99
27) 1,2-Dichloroethane	8.40	62	17305	2.418 ug/L	98
30) Cyclohexane	7.96	56	17658	2.228 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	20019	2.644 ug/L #	83
32) Carbon tetrachloride	8.07	117	18034	2.433 ug/L	99
34) Benzene	8.32	78	49681	2.430 ug/L	100
35) Trichloroethene	9.09	95	14100	2.592 ug/L	97
36) Methylcyclohexane	9.34	83	21021	2.298 ug/L	96
40) 1,2-Dichloropropane	9.37	63	13389	2.472 ug/L	99
41) Bromodichloromethane	9.65	83	16751	2.379 ug/L	94
42) cis-1,3-Dichloropropene	10.07	75	17618	2.184 ug/L	97
43) 4-Methyl-2-pentanone	10.22	43	16521	4.243 ug/L	98
44) Toluene	10.39	91	50108	2.293 ug/L	97

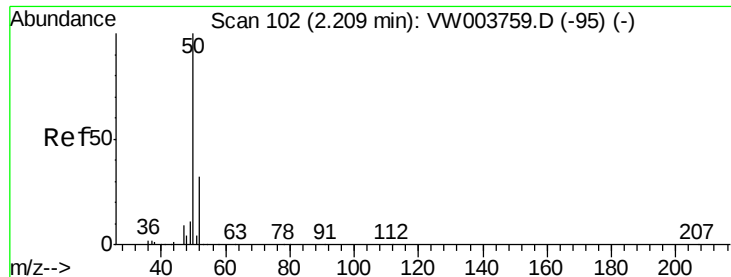
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070818\
 Data File : VW003757.D
 Acq On : 07 Jul 2018 09:27
 Operator : SY/AP
 Sample : VSTD2.587
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.587

Quant Time: Jul 09 04:17:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070818S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 09 04:17:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.61	75	16538	2.243	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	10051	2.441	ug/L	88
47) Tetrachloroethene	10.87	164	11185	2.481	ug/L	95
49) 2-Hexanone	10.98	43	12554	4.188	ug/L	98
50) Dibromochloromethane	11.13	129	11247	2.282	ug/L	99
51) 1,2-Dibromoethane	11.24	107	9547	2.405	ug/L	96
52) Chlorobenzene	11.66	112	35421	2.464	ug/L	95
53) Ethylbenzene	11.74	91	56349	2.281	ug/L	98
54) m,p-Xylene	11.85	106	19706	2.167	ug/L	95
55) o-xylene	12.17	106	18172	2.116	ug/L	99
56) Styrene	12.19	104	31075	2.069	ug/L	93
57) Isopropylbenzene	12.47	105	51620	2.191	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	13055	2.386	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	10198	2.499	ug/L	96
62) Bromoform	12.35	173	6735	2.290	ug/L #	97
63) 1,3-Dichlorobenzene	13.51	146	25632	2.468	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	28122	2.501	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	25552	2.518	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	2325	2.534	ug/L	92
67) 1,3,5-Trichlorobenzene	14.64	180	20769	2.538	ug/L	97
68) 1,2,4-trichlorobenzene	15.15	180	16339	2.486	ug/L	99
69) Naphthalene	15.38	128	28904	2.197	ug/L	97
70) 1,2,3-Trichlorobenzene	15.57	180	15168	2.443	ug/L	99

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



#3

Chloromethane

Concen: 2.328 ug/L

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Instrument :

MSVOA_W

ClientSampleId :

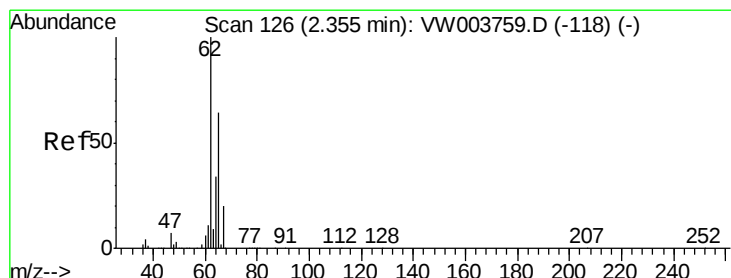
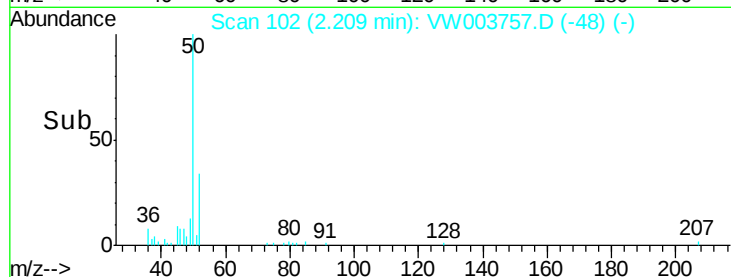
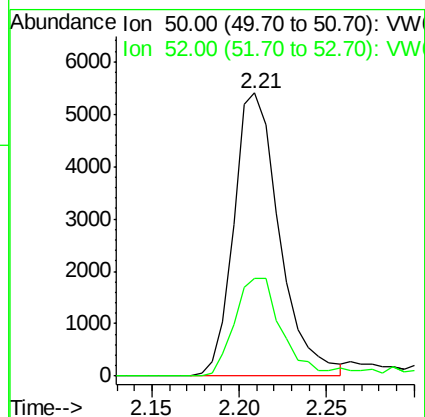
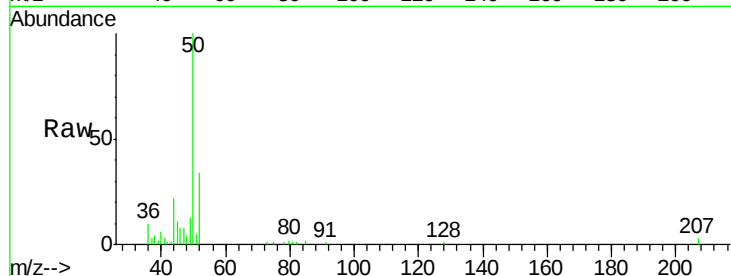
VSTD2.587

Tgt Ion: 50 Resp: 9824

Ion Ratio Lower Upper

50 100

52 34.5 22.7 42.3



#5

Vinyl chloride

Concen: 2.443 ug/L

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003757.D

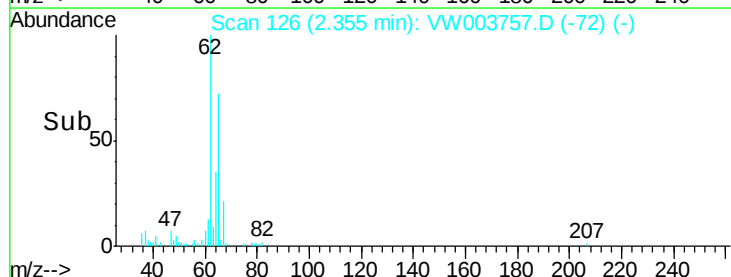
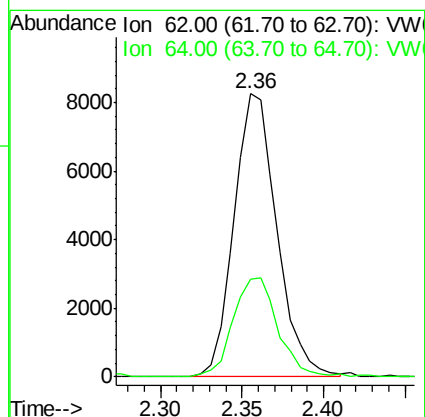
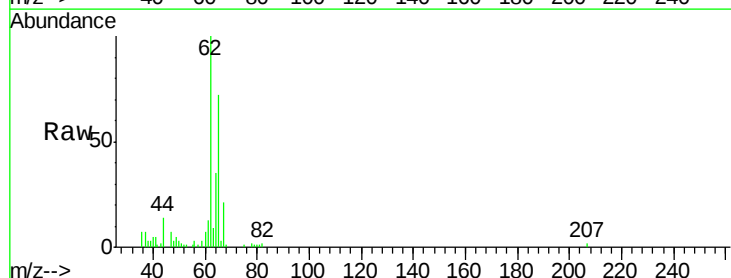
Acq: 07 Jul 2018 09:27

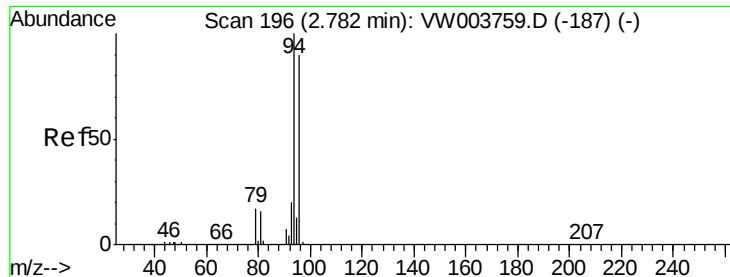
Tgt Ion: 62 Resp: 15068

Ion Ratio Lower Upper

62 100

64 34.5 23.4 43.6





#6

Bromomethane

Concen: 2.124 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Instrument :

MSVOA_W

ClientSampleId :

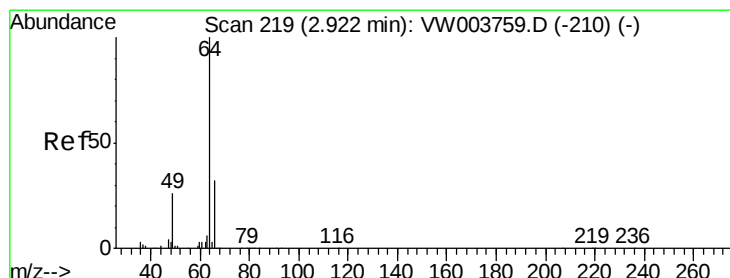
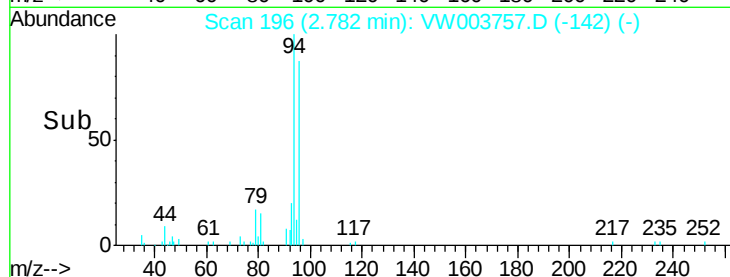
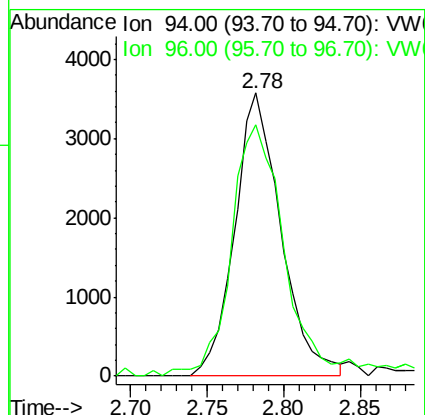
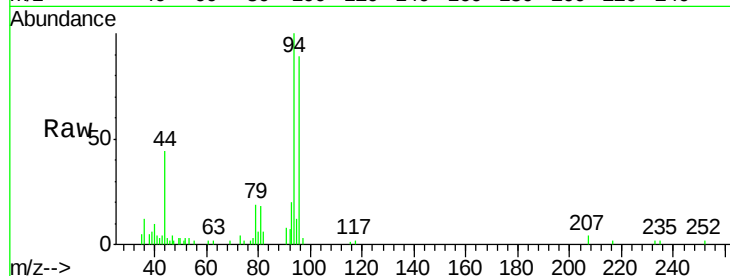
VSTD2.587

Tgt Ion: 94 Resp: 7502

Ion Ratio Lower Upper

94 100

96 98.0 9.4 179.5



#8

Chloroethane

Concen: 2.407 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VW003757.D

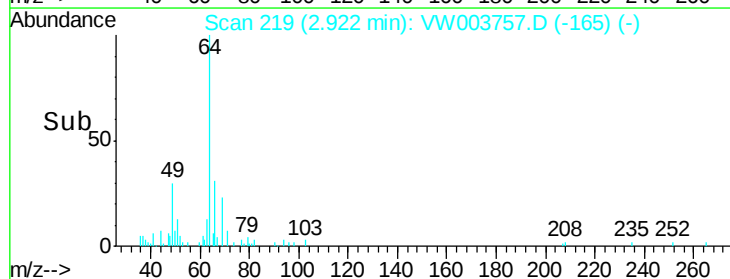
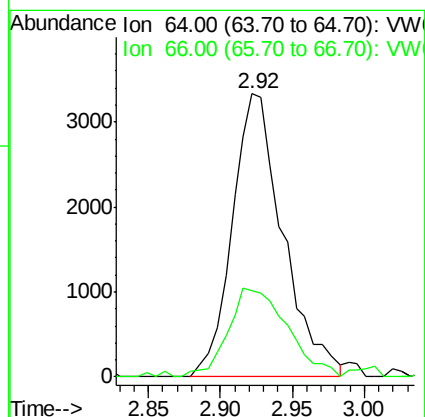
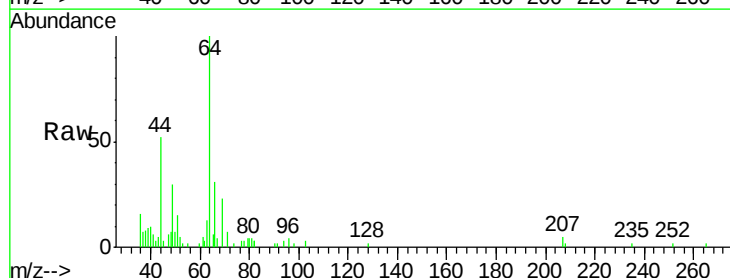
Acq: 07 Jul 2018 09:27

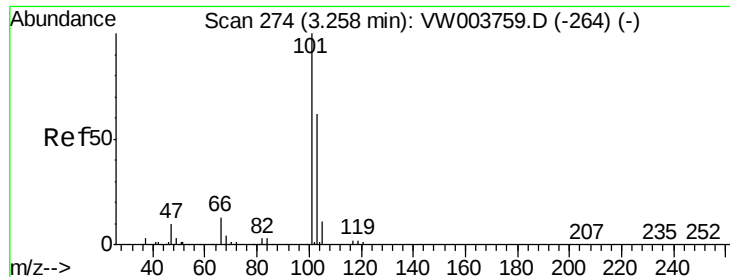
Tgt Ion: 64 Resp: 8159

Ion Ratio Lower Upper

64 100

66 30.5 22.1 41.1



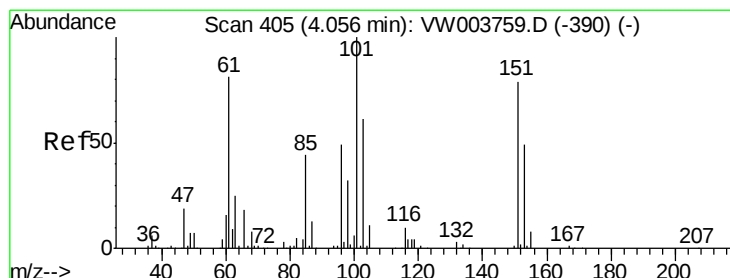
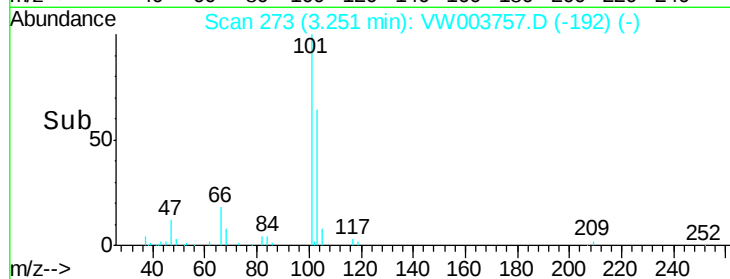
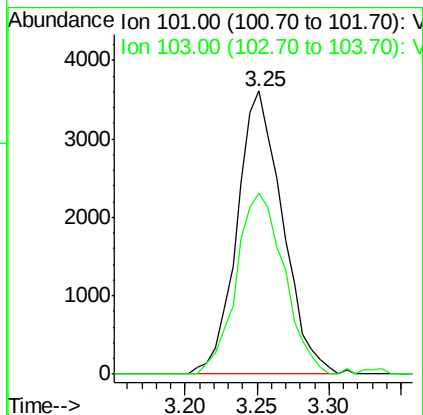
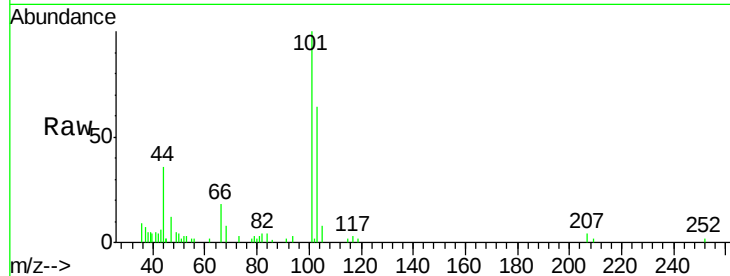


#9

Trichlorofluoromethane
 Concen: 2.762 ug/L
 RT: 3.25 min Scan# 273
 Delta R.T. -0.01 min
 Lab File: VW003757.D
 Acq: 07 Jul 2018 09:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.587

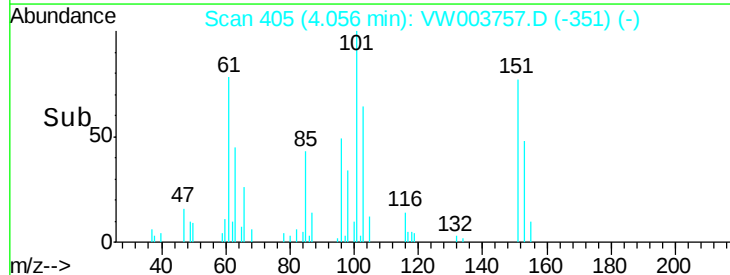
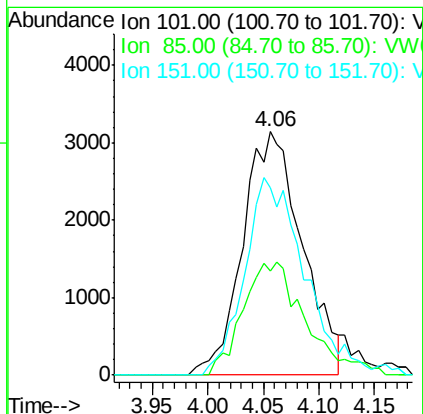
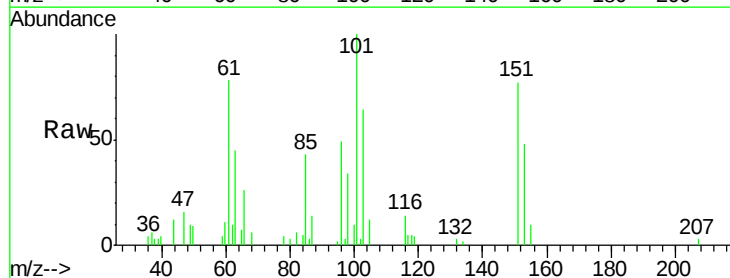
Tgt Ion:101 Resp: 7934
 Ion Ratio Lower Upper
 101 100
 103 66.9 44.5 82.7

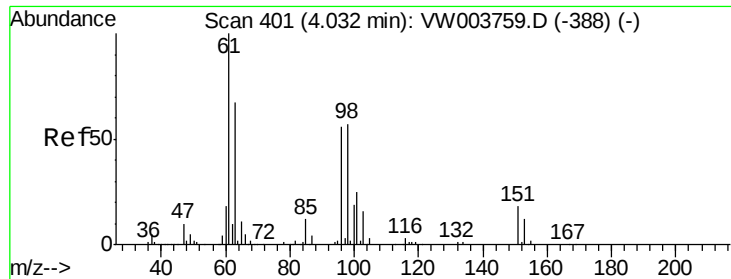


#11

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.567 ug/L
 RT: 4.06 min Scan# 405
 Delta R.T. -0.00 min
 Lab File: VW003757.D
 Acq: 07 Jul 2018 09:27

Tgt Ion:101 Resp: 11716
 Ion Ratio Lower Upper
 101 100
 85 15.9 36.6 55.0#
 151 44.7 61.4 92.0#

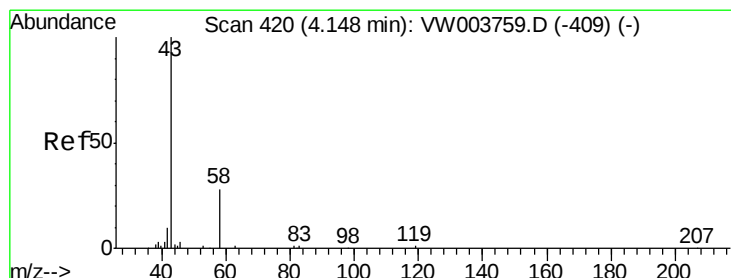
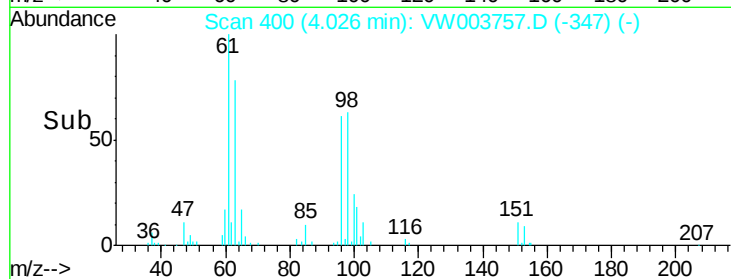
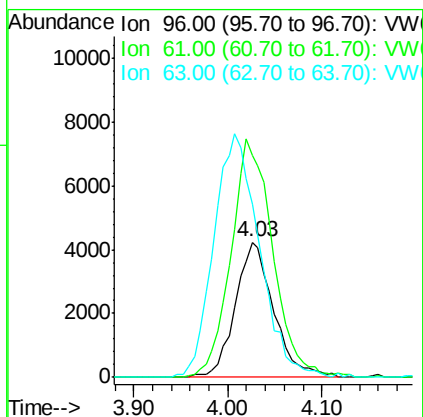
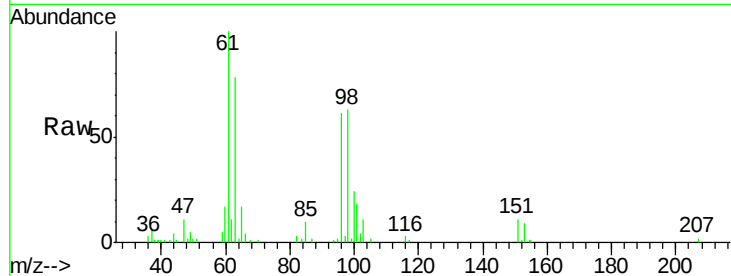




#12
 1,1-Dichloroethene
 Concen: 2.693 ug/L
 RT: 4.03 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: VW003757.D
 Acq: 07 Jul 2018 09:27

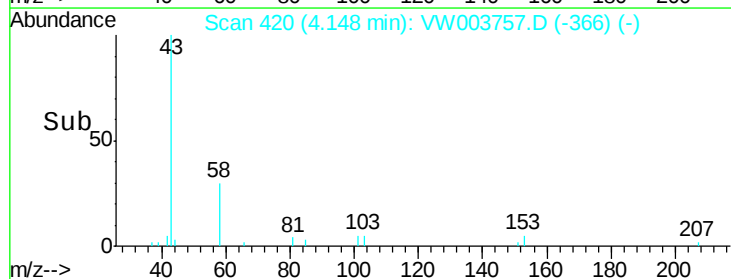
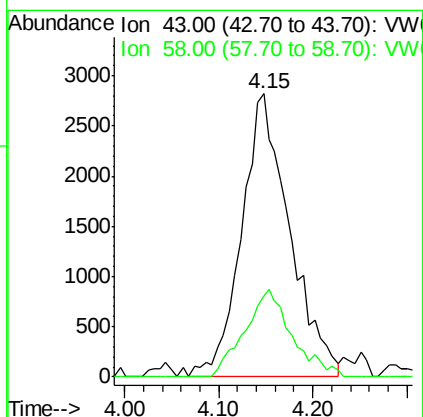
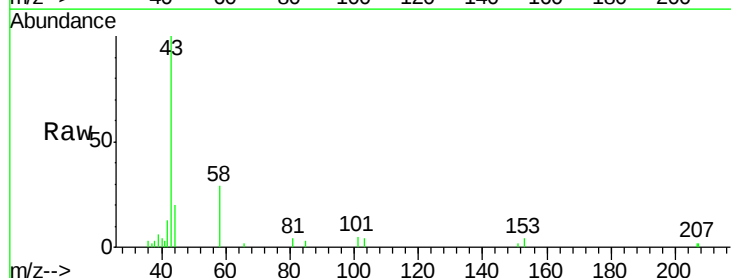
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.587

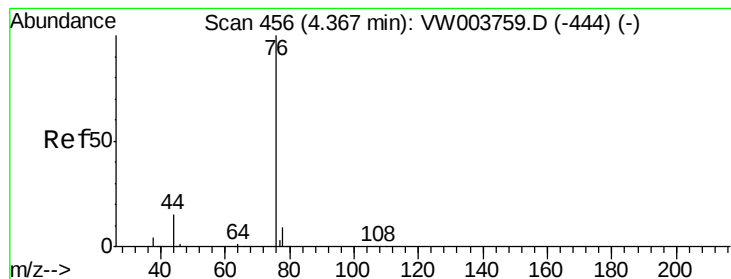
Tgt Ion: 96 Resp: 12031
 Ion Ratio Lower Upper
 96 100
 61 164.0 126.2 234.4
 63 128.5 85.8 159.4



#13
 Acetone
 Concen: 5.906 ug/L
 RT: 4.15 min Scan# 420
 Delta R.T. -0.00 min
 Lab File: VW003757.D
 Acq: 07 Jul 2018 09:27

Tgt Ion: 43 Resp: 10042
 Ion Ratio Lower Upper
 43 100
 58 28.1 0.0 58.2





#14

Carbon disulfide

Concen: 2.641 ug/L

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Instrument :

MSVOA_W

ClientSampleId :

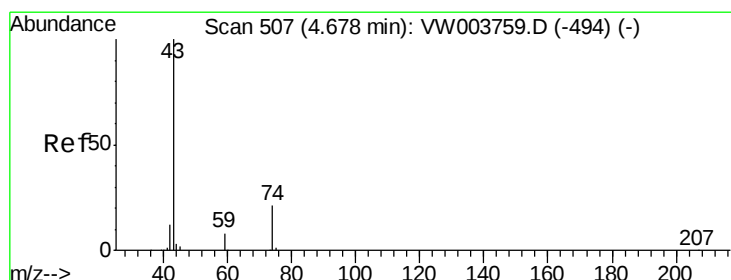
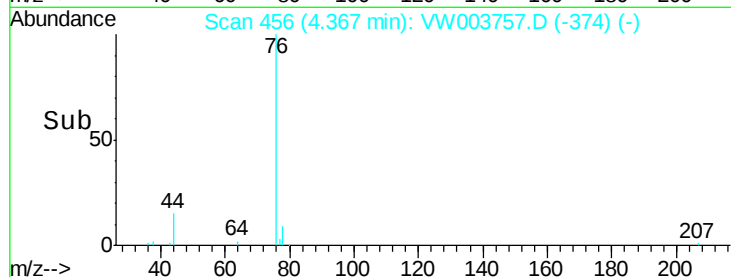
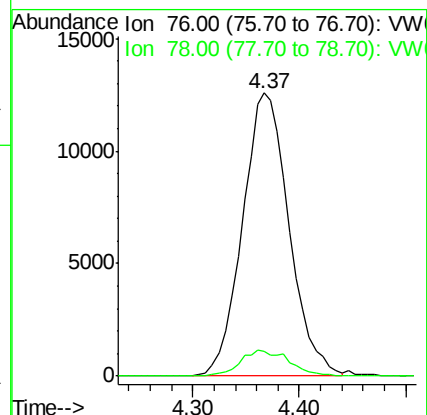
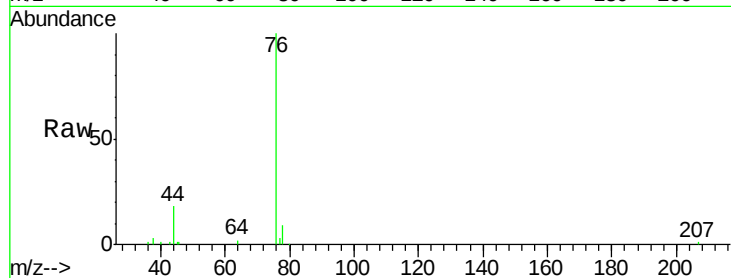
VSTD2.587

Tgt Ion: 76 Resp: 38479

Ion Ratio Lower Upper

76 100

78 8.7 7.2 10.8



#15

Methyl Acetate

Concen: 2.811 ug/L

RT: 4.68 min Scan# 507

Delta R.T. -0.00 min

Lab File: VW003757.D

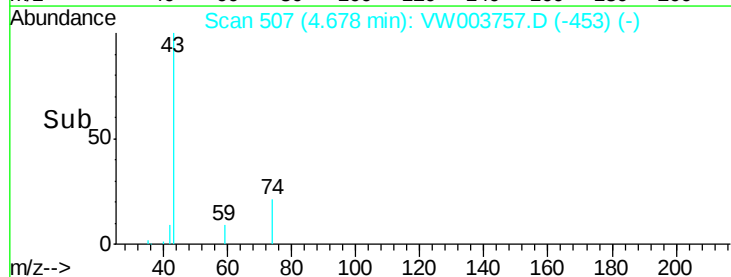
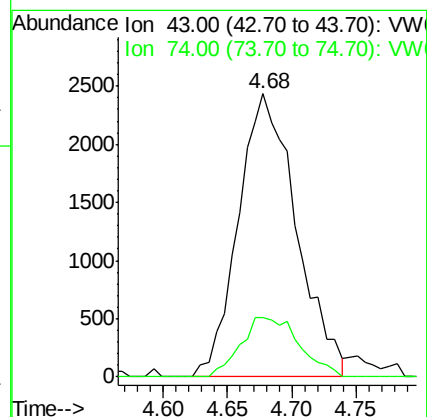
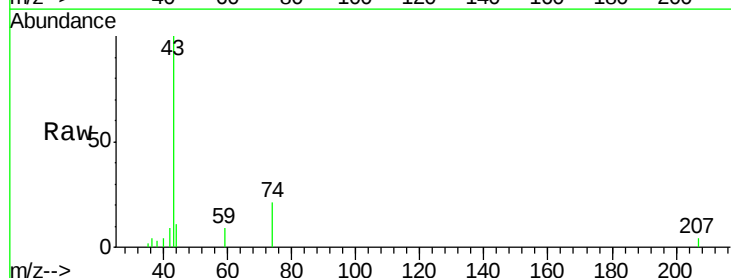
Acq: 07 Jul 2018 09:27

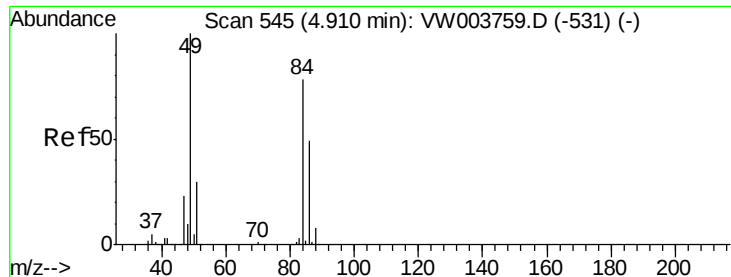
Tgt Ion: 43 Resp: 7635

Ion Ratio Lower Upper

43 100

74 14.0 17.0 25.4#

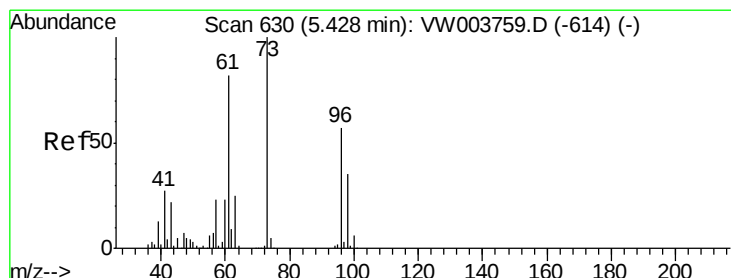
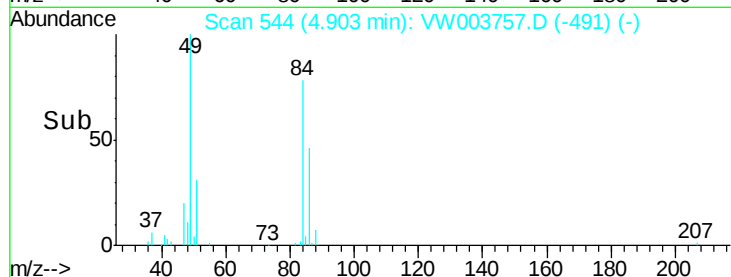
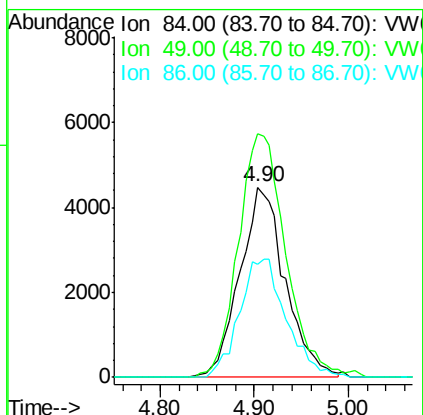
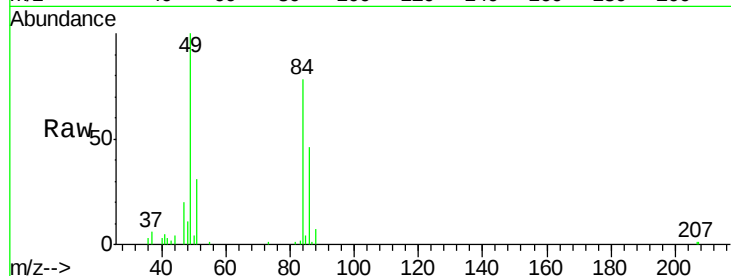




#16
Methylene chloride
Concen: 2.595 ug/L
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003757.D
Acq: 07 Jul 2018 09:27

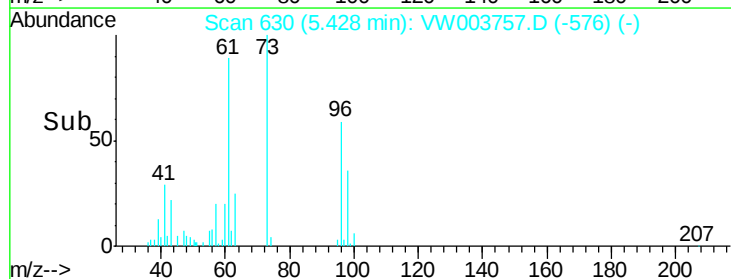
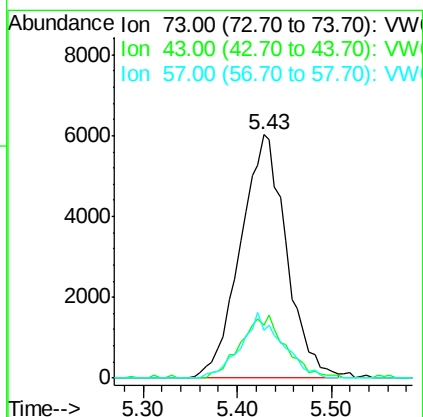
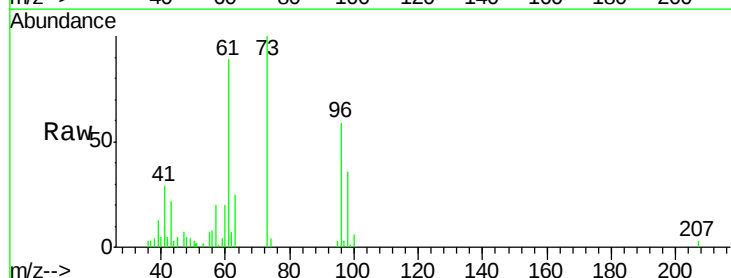
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.587

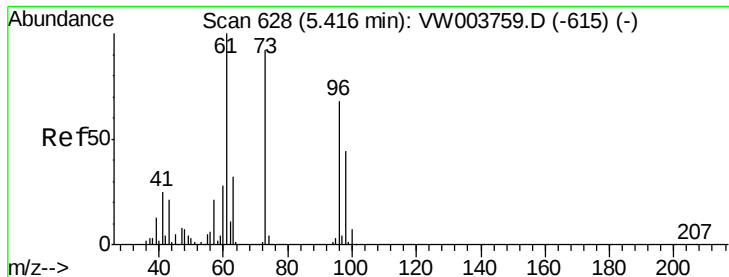
Tgt Ion: 84 Resp: 15092
Ion Ratio Lower Upper
84 100
49 128.1 89.9 166.9
86 59.3 43.9 81.5



#17
Methyl tert-butyl Ether
Concen: 2.410 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW003757.D
Acq: 07 Jul 2018 09:27

Tgt Ion: 73 Resp: 20550
Ion Ratio Lower Upper
73 100
43 13.7 18.2 27.4#
57 23.3 18.6 28.0





#18

trans-1,2-Dichloroethene

Concen: 2.613 ug/L

RT: 5.42 min Scan# 628

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.587

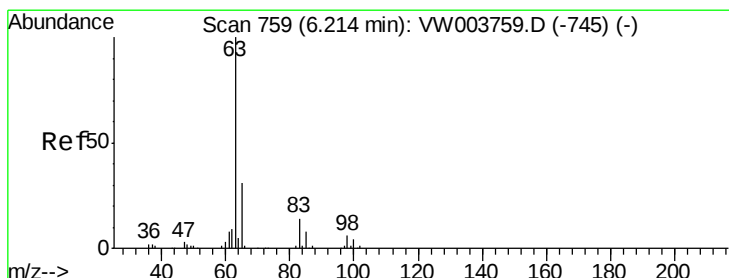
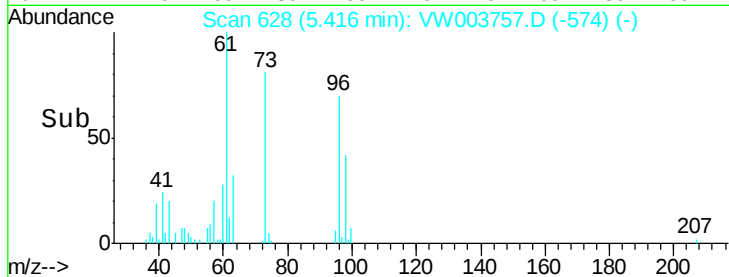
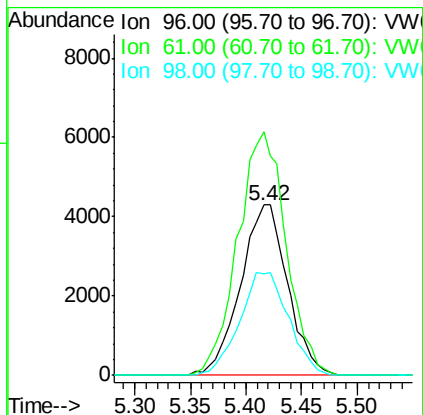
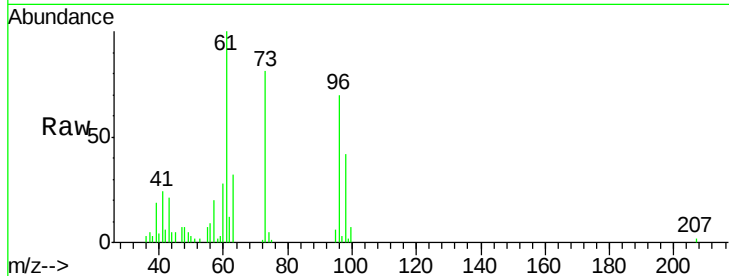
Tgt Ion: 96 Resp: 12656

Ion Ratio Lower Upper

96 100

61 142.9 103.0 191.2

98 59.8 45.8 85.2



#19

1,1-Dichloroethane

Concen: 2.464 ug/L

RT: 6.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

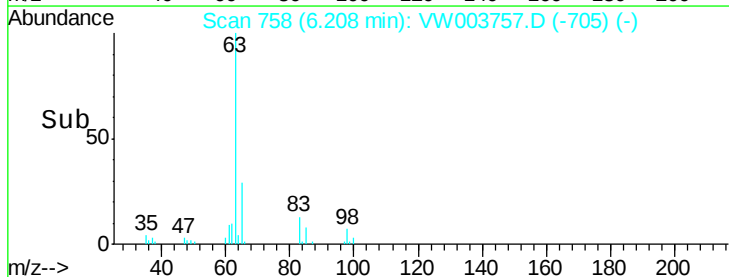
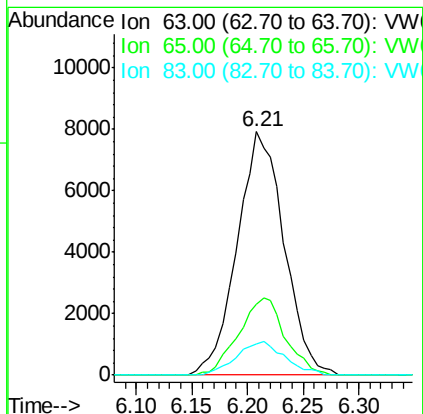
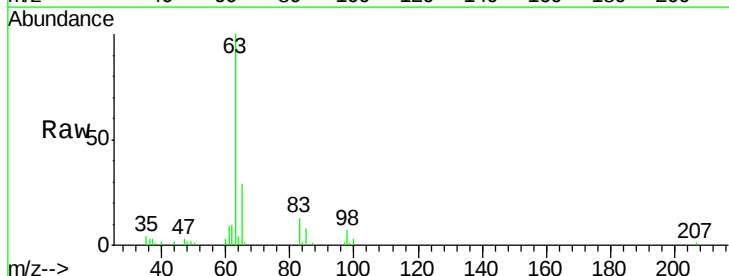
Tgt Ion: 63 Resp: 23223

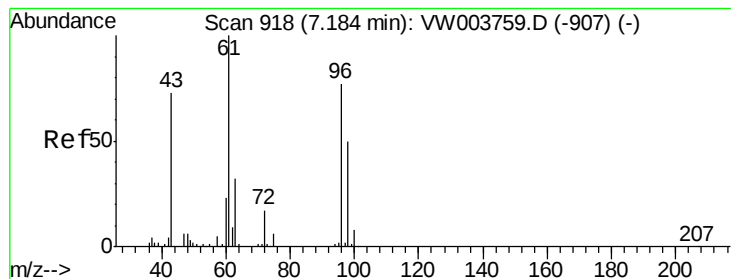
Ion Ratio Lower Upper

63 100

65 29.3 21.9 40.7

83 12.7 9.6 17.8





#21

2-Butanone

Concen: 4.537 ug/L

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Instrument :

MSVOA_W

ClientSampleId :

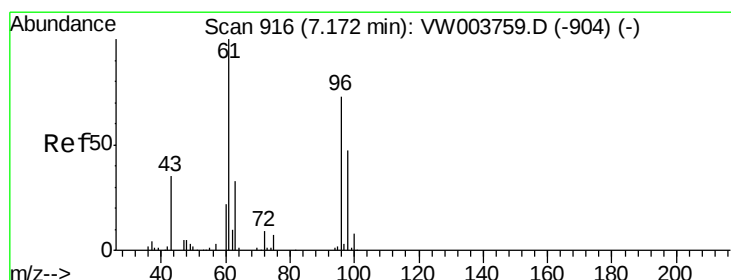
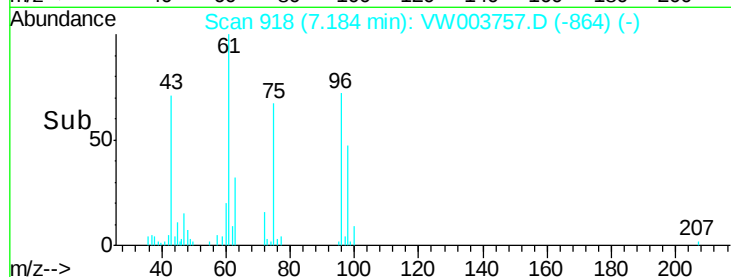
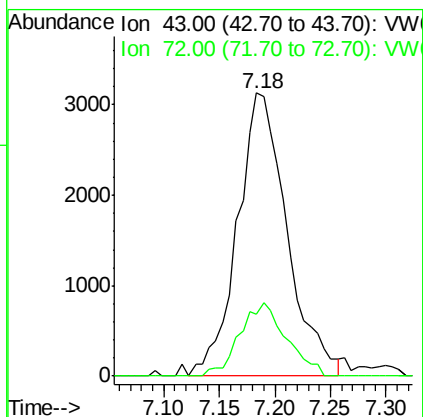
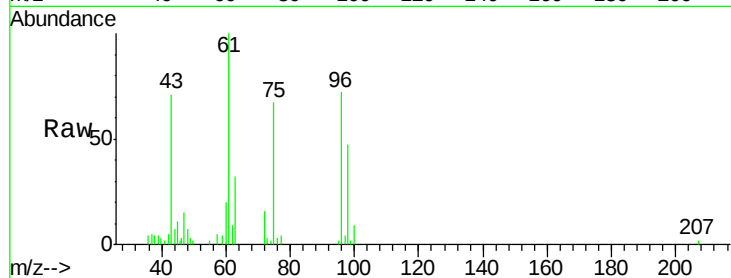
VSTD2.587

Tgt Ion: 43 Resp: 9700

Ion Ratio Lower Upper

43 100

72 23.4 12.3 36.9



#22

cis-1,2-Dichloroethene

Concen: 2.393 ug/L

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

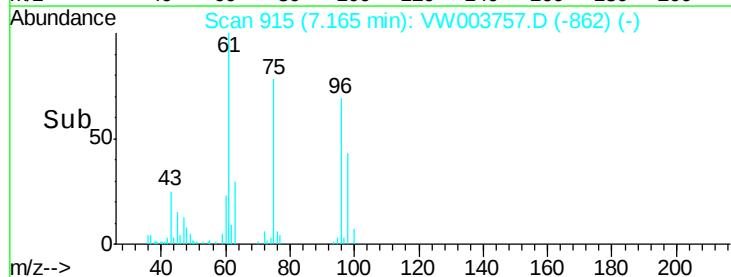
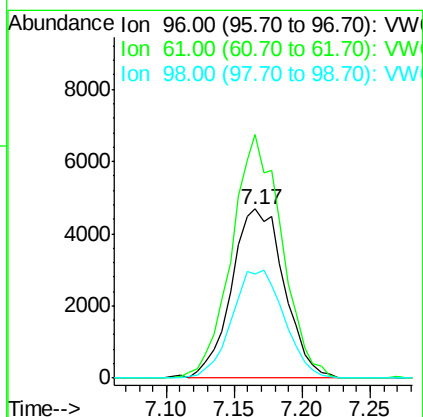
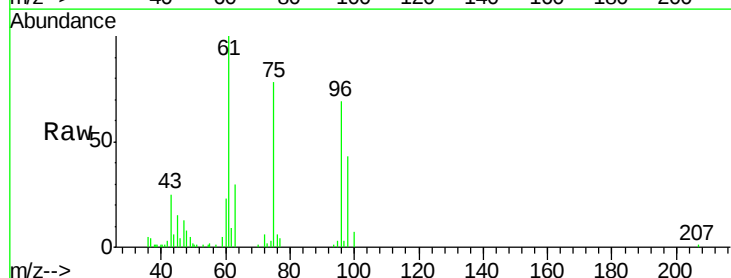
Tgt Ion: 96 Resp: 12716

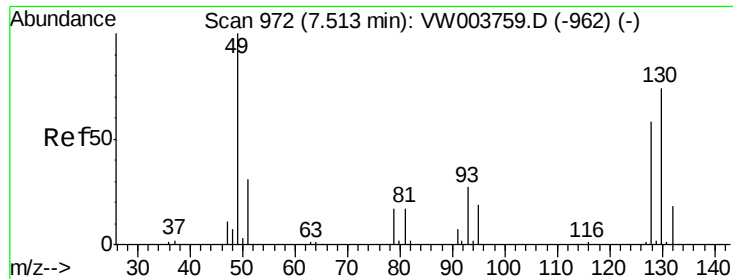
Ion Ratio Lower Upper

96 100

61 144.0 96.4 179.0

98 61.8 45.6 84.8

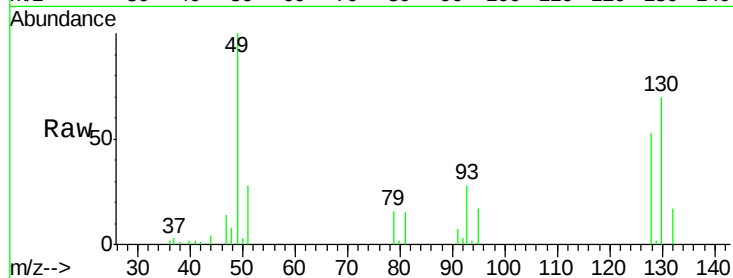




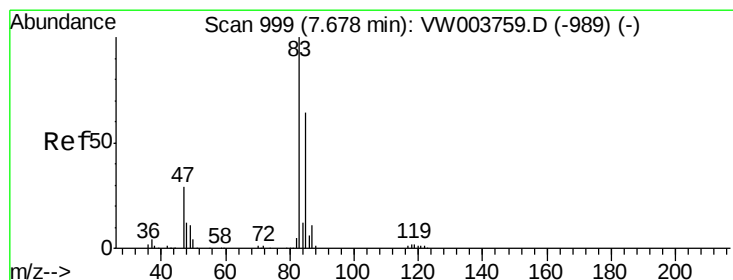
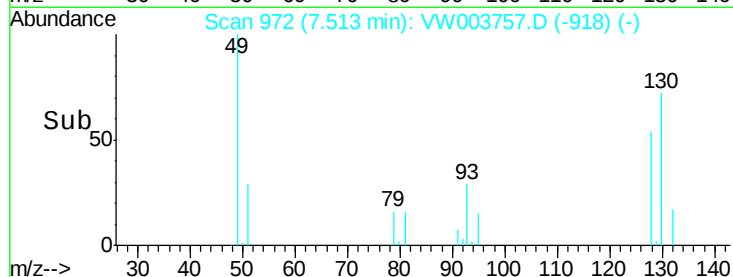
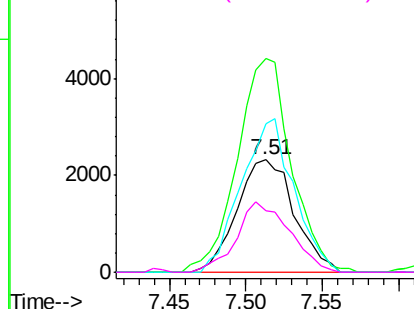
#23
Bromochloromethane
Concen: 2.429 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW003757.D
Acq: 07 Jul 2018 09:27

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.587

Tgt Ion:128 Resp: 6074
Ion Ratio Lower Upper
128 100
49 190.3 120.7 224.1
130 132.5 88.8 164.8
51 54.2 43.2 64.8

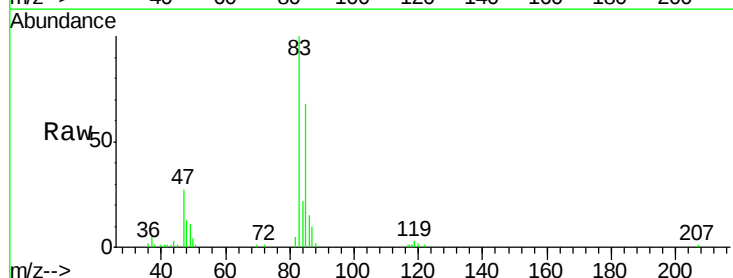


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV

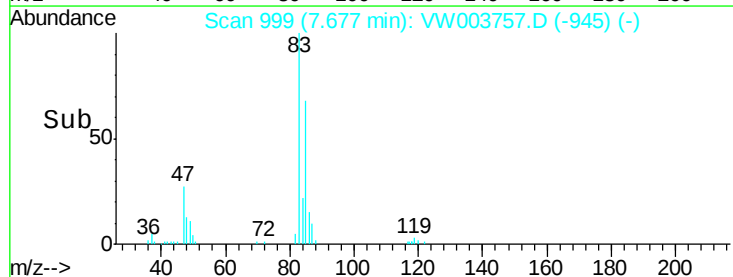
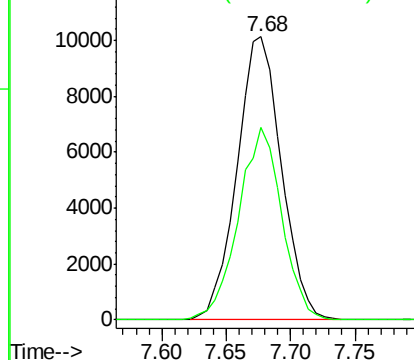


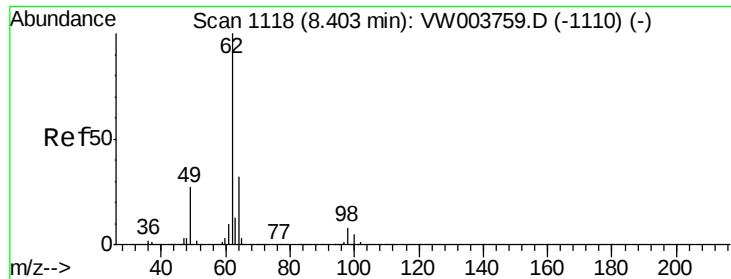
#25
Chloroform
Concen: 2.480 ug/L
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW003757.D
Acq: 07 Jul 2018 09:27

Tgt Ion: 83 Resp: 24249
Ion Ratio Lower Upper
83 100
85 66.2 46.0 85.4



Abundance Ion 83.00 (82.70 to 83.70): VV
Ion 85.00 (84.70 to 85.70): VV





#27

1,2-Dichloroethane

Concen: 2.418 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Instrument :

MSVOA_W

ClientSampleId :

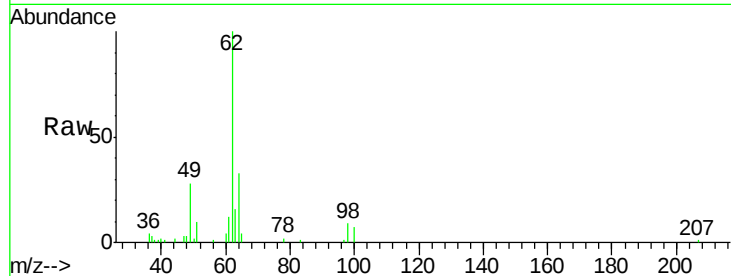
VSTD2.587

Tgt Ion: 62 Resp: 17305

Ion Ratio Lower Upper

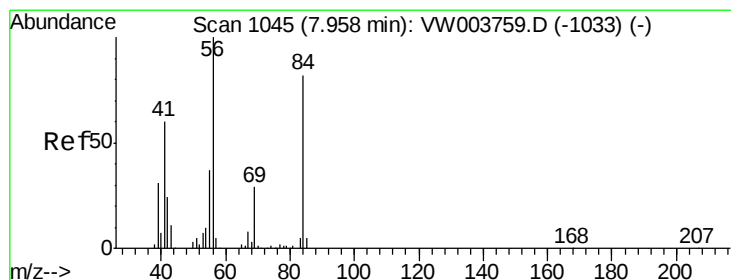
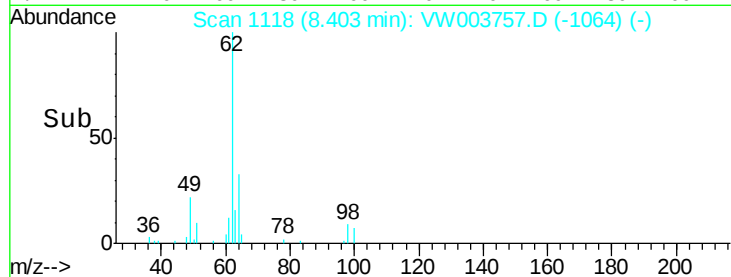
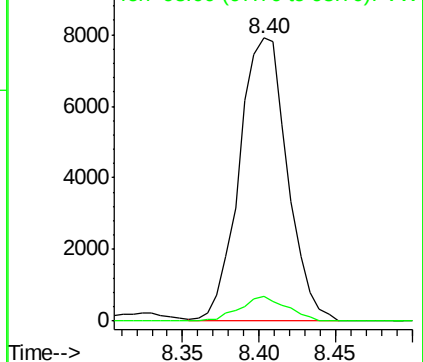
62 100

98 8.6 6.4 9.6



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW



#30

Cyclohexane

Concen: 2.228 ug/L

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

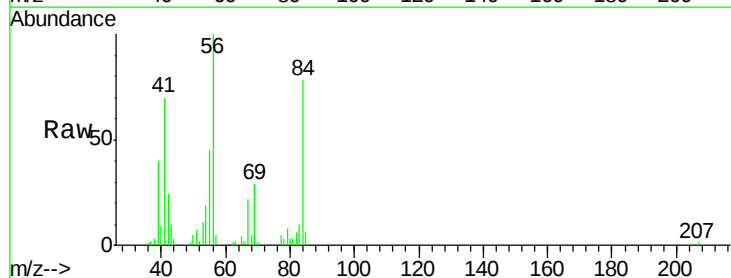
Tgt Ion: 56 Resp: 17658

Ion Ratio Lower Upper

56 100

69 29.9 23.7 35.5

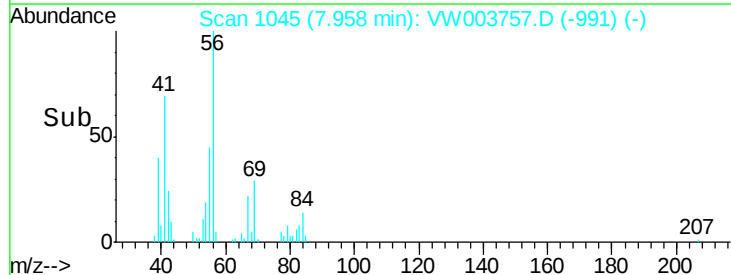
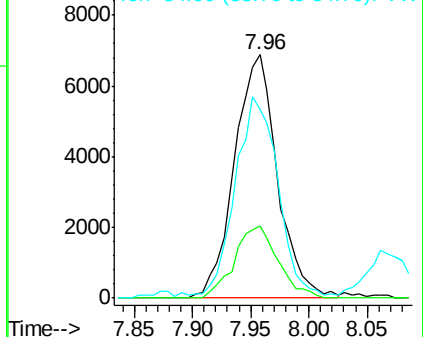
84 83.1 65.8 98.6

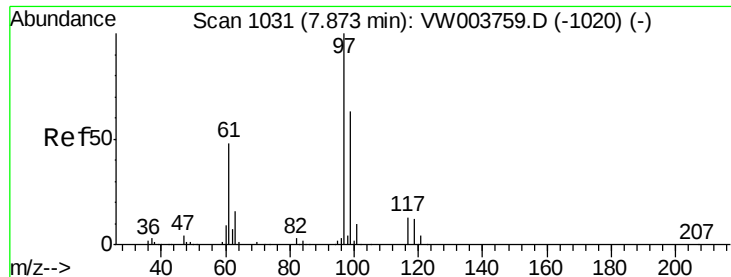


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#31

1,1,1-Trichloroethane

Concen: 2.644 ug/L

RT: 7.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.587

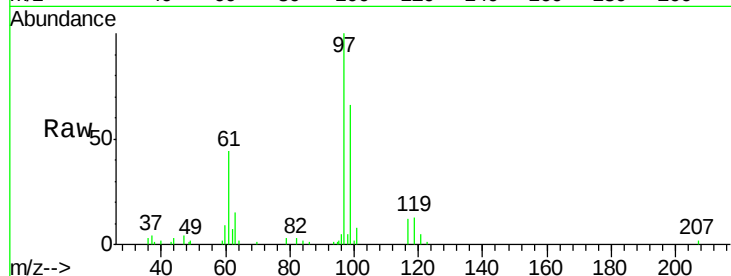
Tgt Ion: 97 Resp: 20019

Ion Ratio Lower Upper

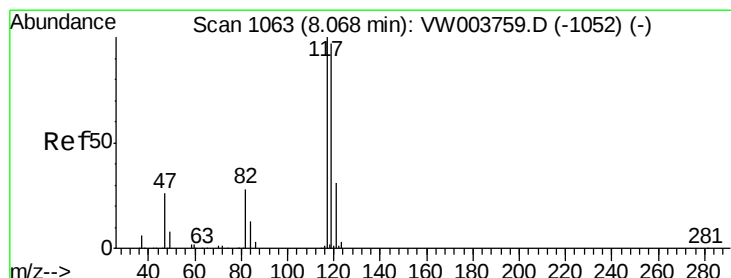
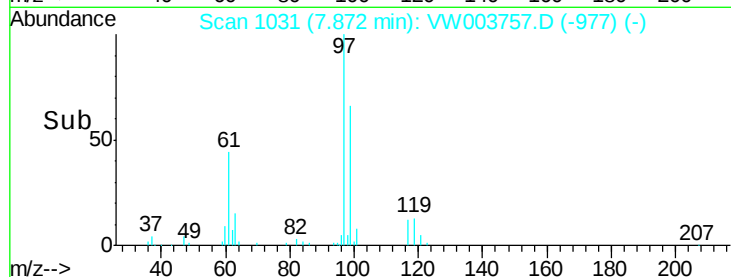
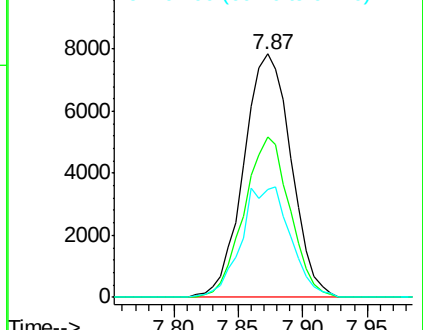
97 100

99 63.5 51.3 76.9

61 21.2 38.1 57.1#



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 2.433 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VW003757.D

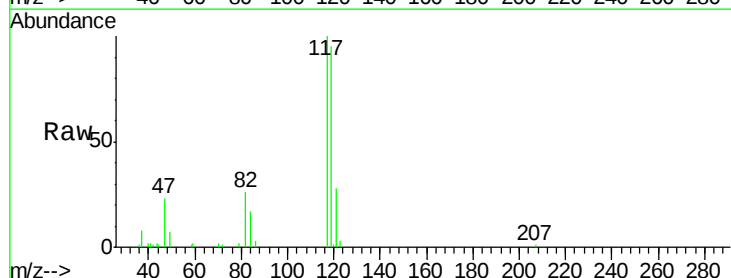
Acq: 07 Jul 2018 09:27

Tgt Ion: 117 Resp: 18034

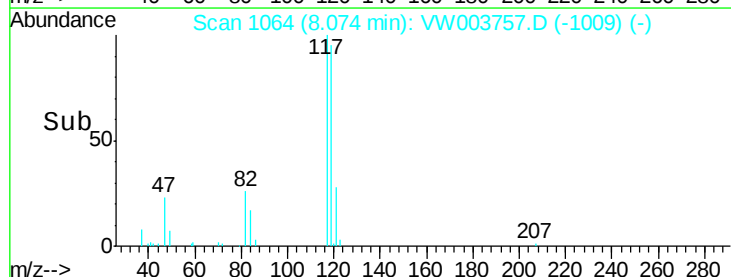
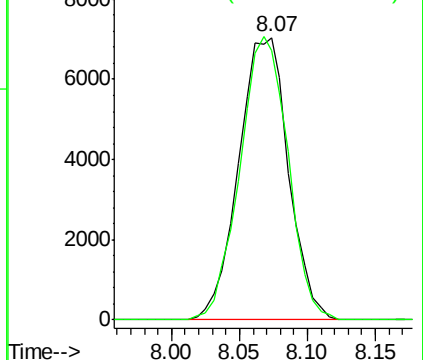
Ion Ratio Lower Upper

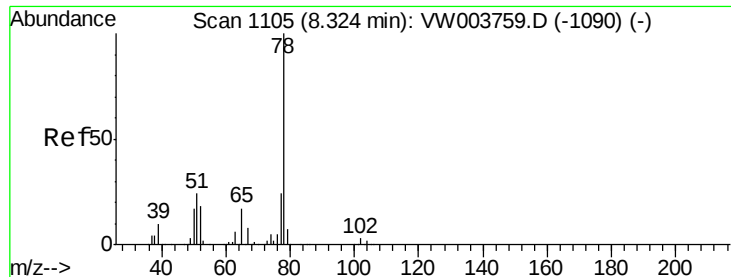
117 100

119 96.8 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 2.430 ug/L

RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

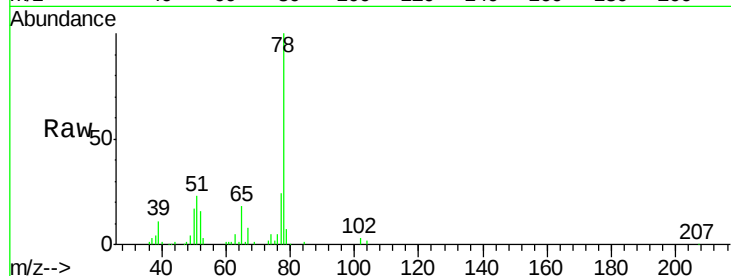
Instrument :

MSVOA_W

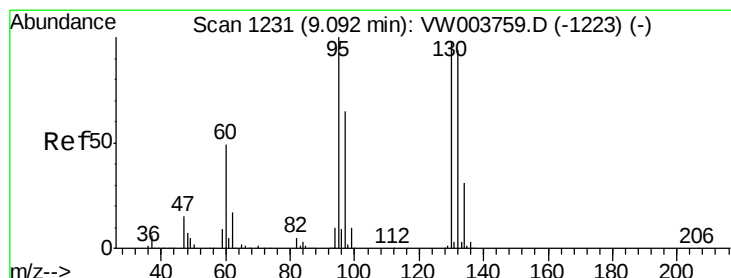
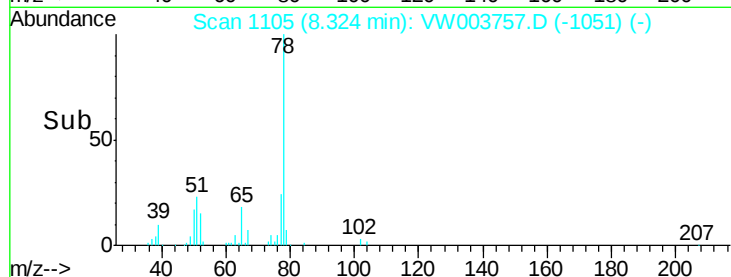
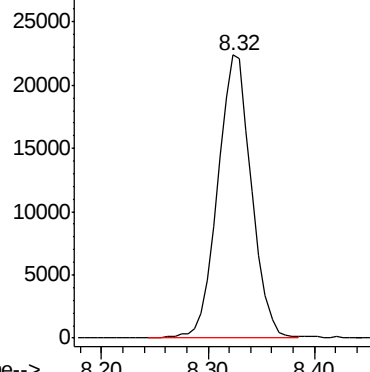
ClientSampleId :

VSTD2.587

Tgt Ion: 78 Resp: 49681



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.592 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Tgt Ion: 95 Resp: 14100

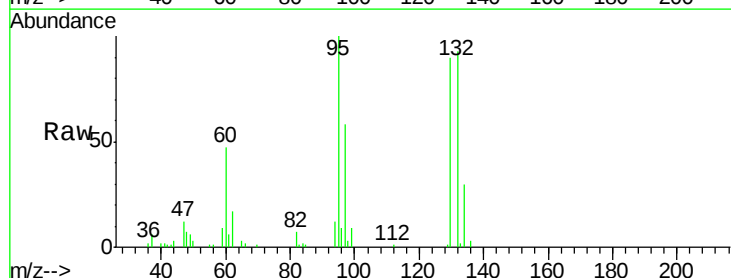
Ion	Ratio	Lower	Upper
95	100		
97	62.6	44.7	82.9
132	91.5	66.2	123.0
130	95.6	69.5	129.1

95 100

97 62.6 44.7 82.9

132 91.5 66.2 123.0

130 95.6 69.5 129.1

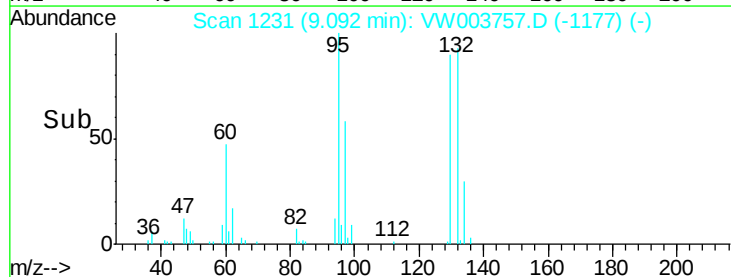
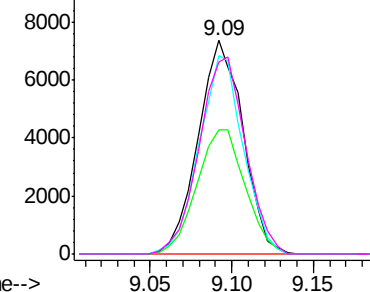


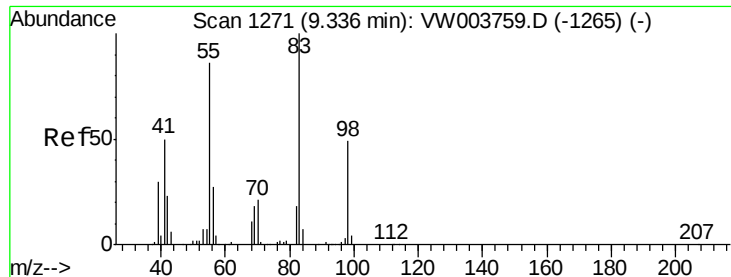
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

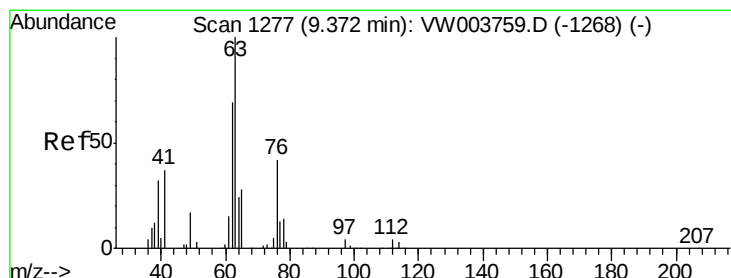
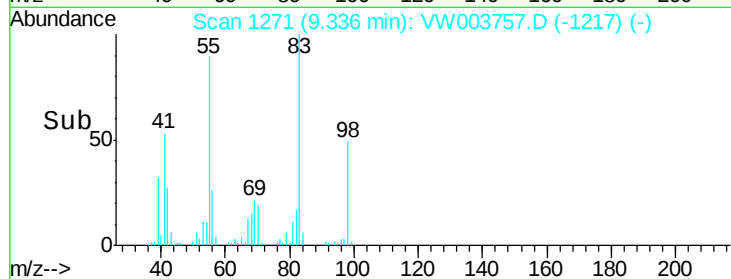
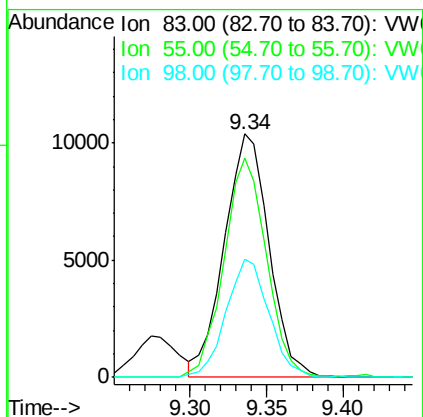
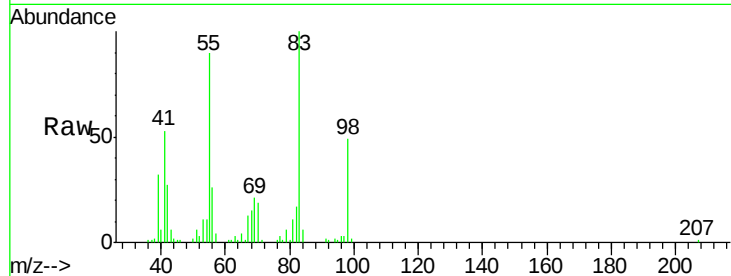




#36
Methylcyclohexane
Concen: 2.298 ug/L
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW003757.D
Acq: 07 Jul 2018 09:27

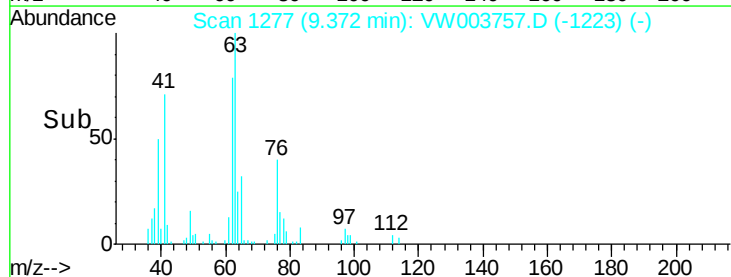
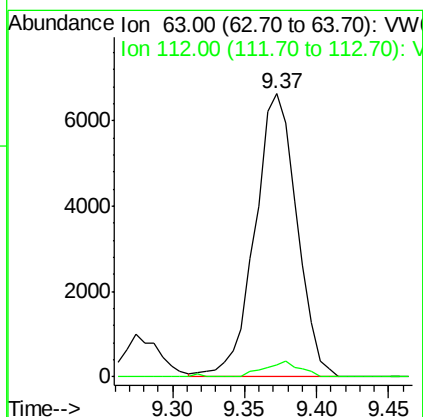
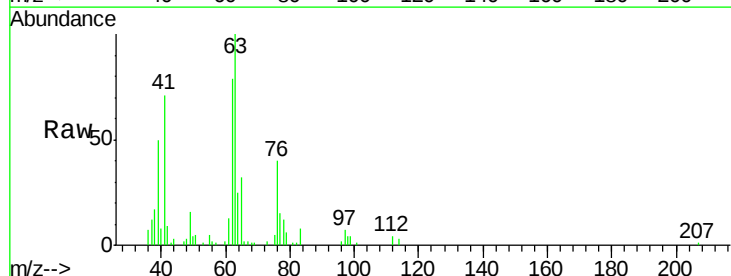
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.587

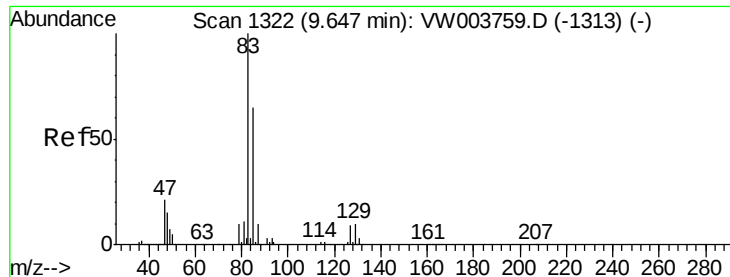
Tgt Ion: 83 Resp: 21021
Ion Ratio Lower Upper
83 100
55 86.1 65.0 97.4
98 46.3 37.0 55.6



#40
1,2-Dichloropropane
Concen: 2.472 ug/L
RT: 9.37 min Scan# 1277
Delta R.T. -0.00 min
Lab File: VW003757.D
Acq: 07 Jul 2018 09:27

Tgt Ion: 63 Resp: 13389
Ion Ratio Lower Upper
63 100
112 4.6 3.3 4.9





#41

Bromodichloromethane

Concen: 2.379 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.587

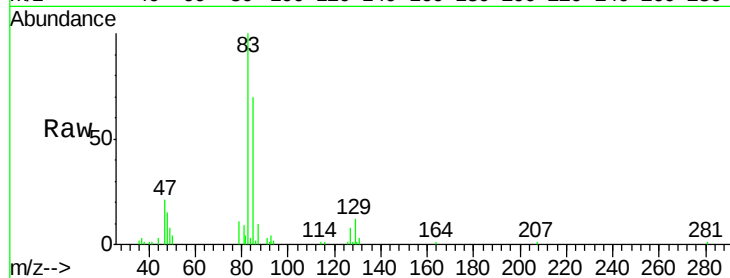
Tgt Ion: 83 Resp: 16751

Ion Ratio Lower Upper

83 100

85 69.8 45.1 83.9

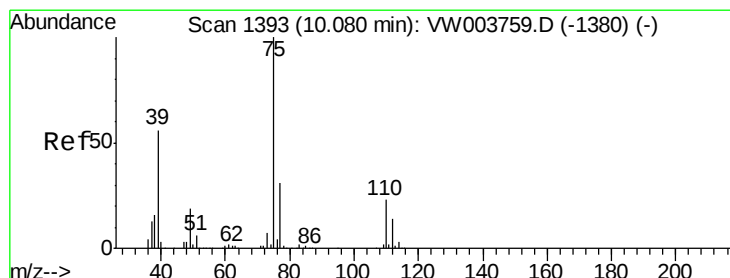
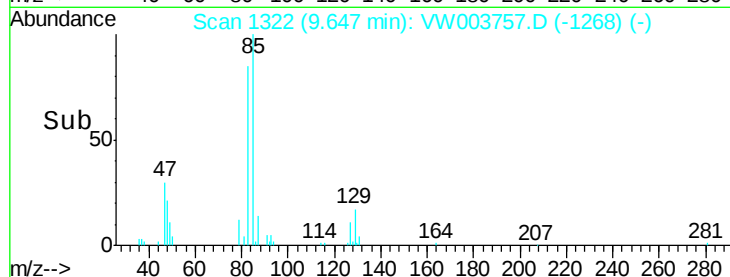
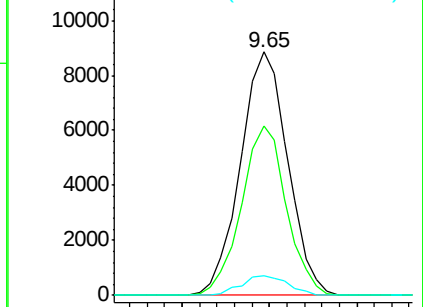
127 7.9 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V



#42

cis-1,3-Dichloropropene

Concen: 2.184 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW003757.D

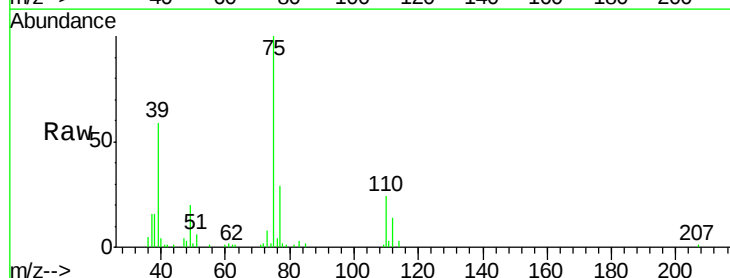
Acq: 07 Jul 2018 09:27

Tgt Ion: 75 Resp: 17618

Ion Ratio Lower Upper

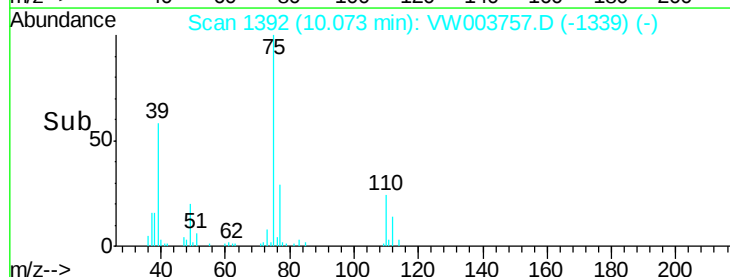
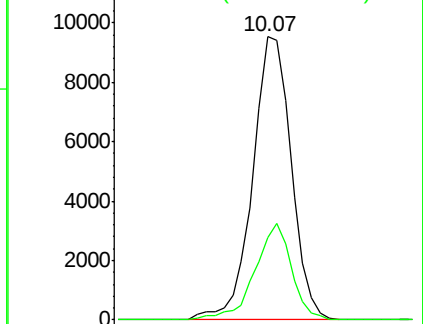
75 100

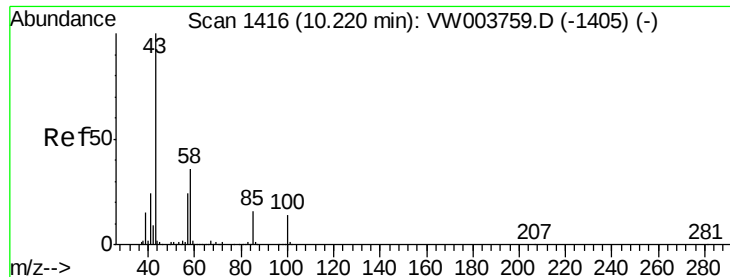
77 28.9 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#43

4-Methyl-2-pentanone

Concen: 4.243 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.587

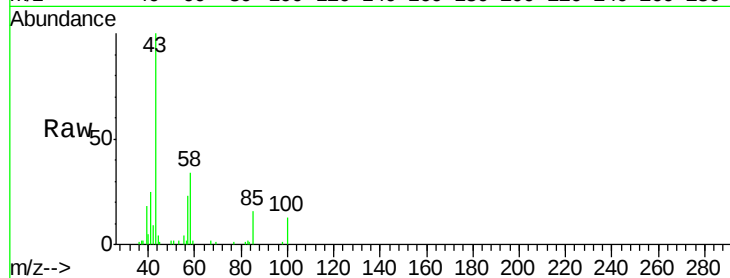
Tgt Ion: 43 Resp: 16521

Ion Ratio Lower Upper

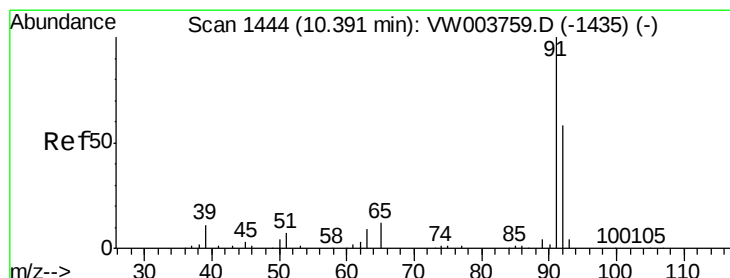
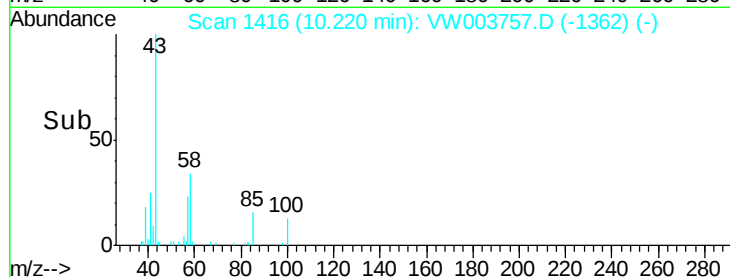
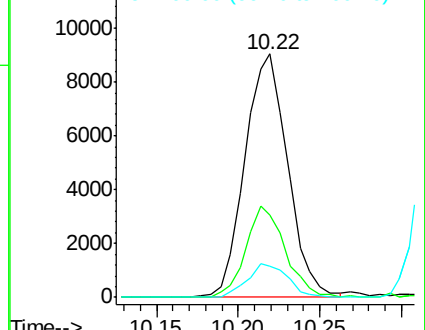
43 100

58 34.4 29.0 43.4

100 13.0 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 100.00 (99.70 to 100.70): VW



#44

Toluene

Concen: 2.293 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003757.D

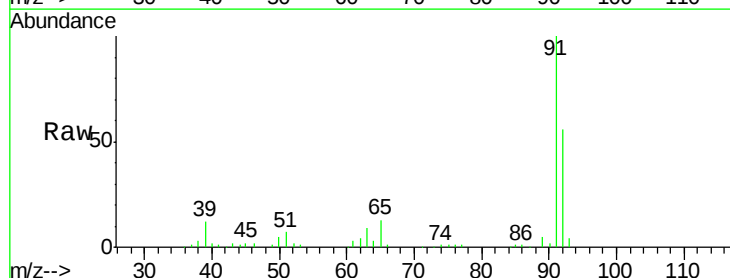
Acq: 07 Jul 2018 09:27

Tgt Ion: 91 Resp: 50108

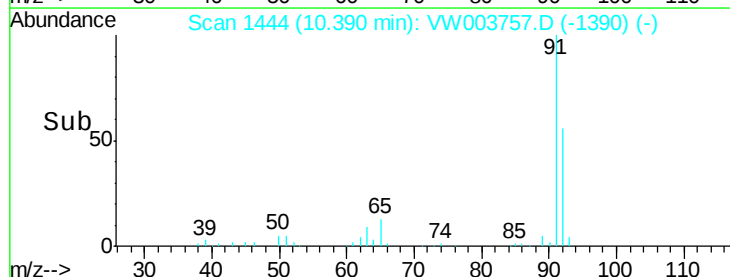
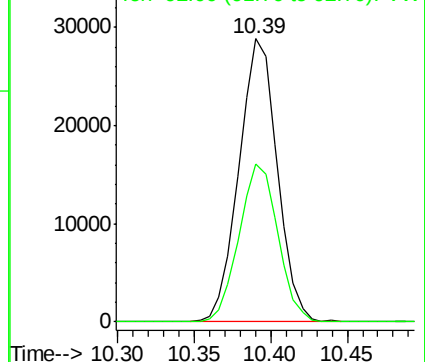
Ion Ratio Lower Upper

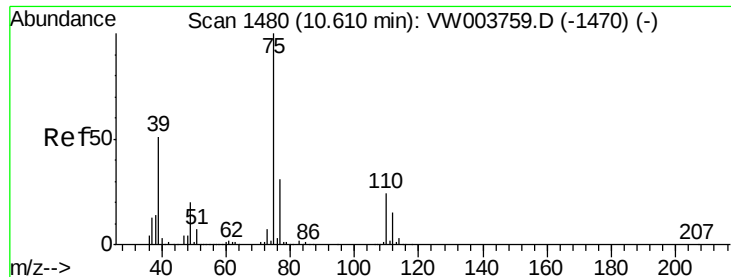
91 100

92 55.7 40.5 75.3



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW





#45

trans-1,3-Dichloropropene

Concen: 2.243 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Instrument :

MSVOA_W

ClientSampleId :

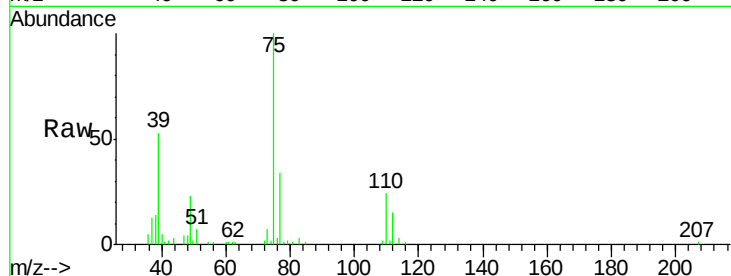
VSTD2.587

Tgt Ion: 75 Resp: 16538

Ion Ratio Lower Upper

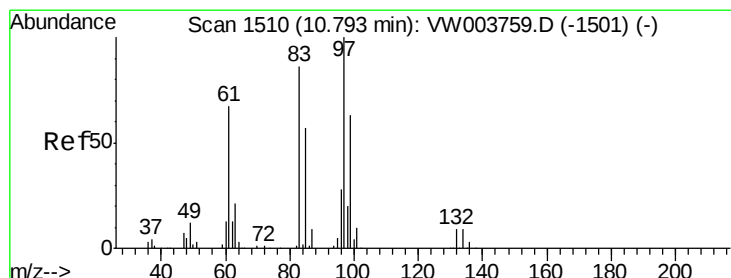
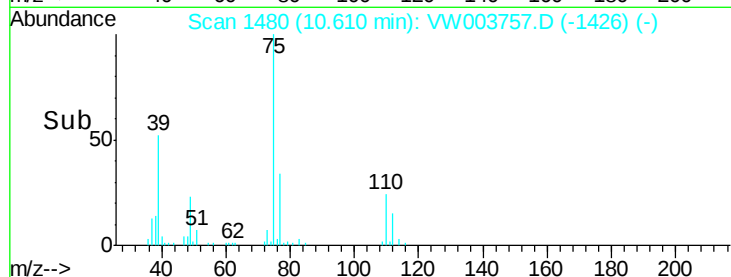
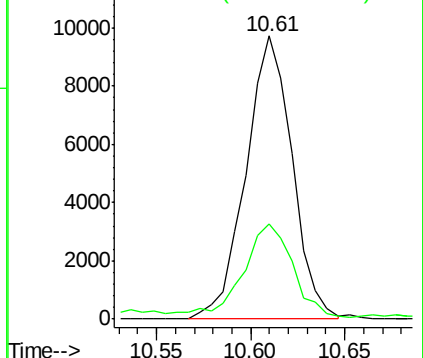
75 100

77 33.7 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#46

1,1,2-Trichloroethane

Concen: 2.441 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Tgt Ion: 97 Resp: 10051

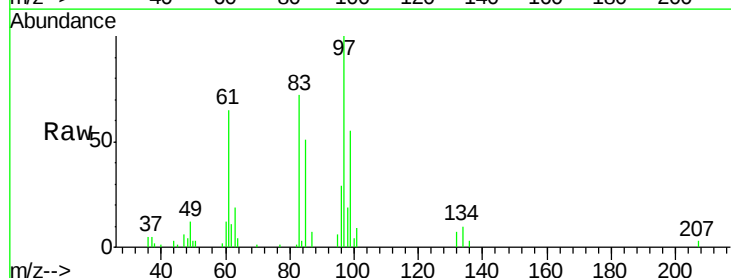
Ion Ratio Lower Upper

97 100

83 71.8 60.1 111.5

85 51.2 40.0 74.2

99 54.7 44.0 81.8

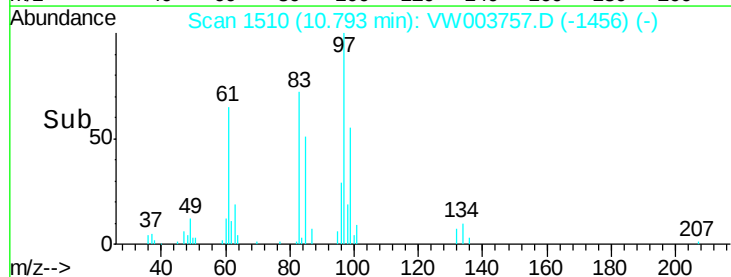
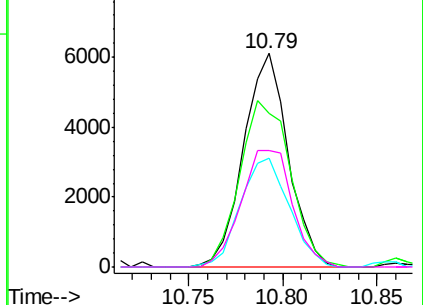


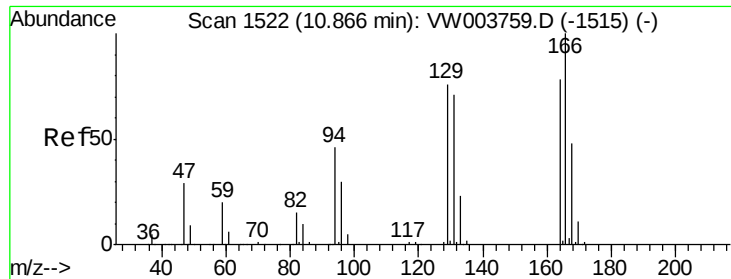
Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW





#47

Tetrachloroethene

Concen: 2.481 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.587

Tgt Ion:164 Resp: 11185

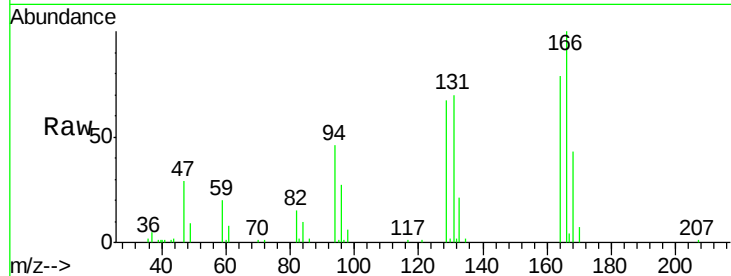
Ion Ratio Lower Upper

164 100

129 85.2 68.3 126.8

131 88.2 63.8 118.4

166 126.7 89.5 166.1

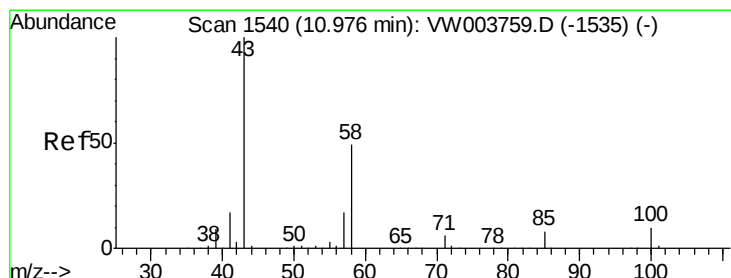
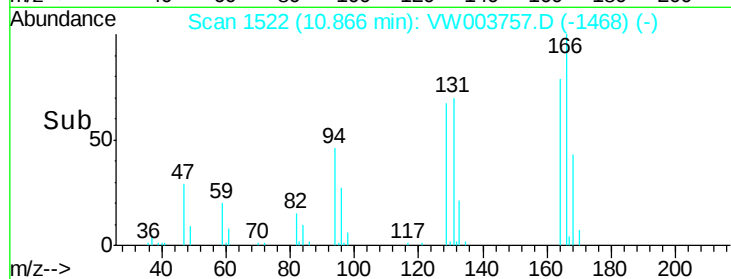
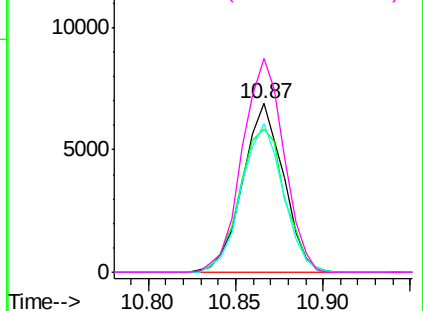


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 4.188 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Tgt Ion: 43 Resp: 12554

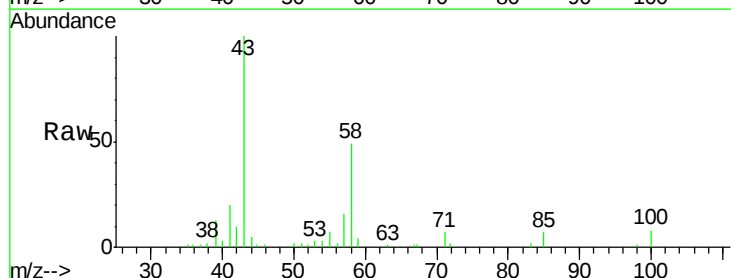
Ion Ratio Lower Upper

43 100

58 47.0 39.5 59.3

57 17.4 13.8 20.8

100 9.7 8.2 12.2

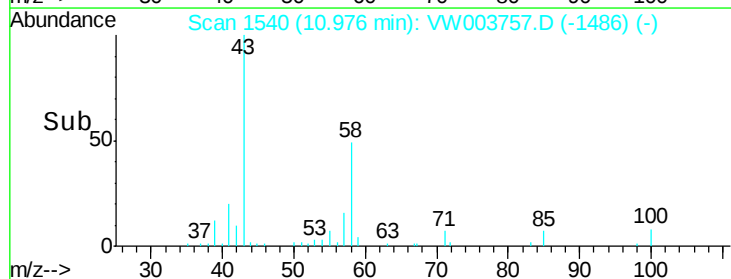
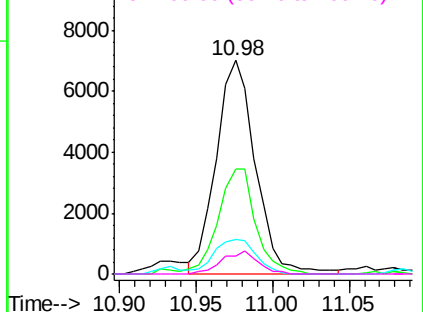


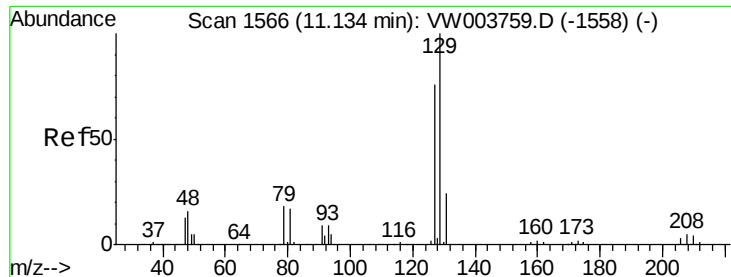
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV





#50

Dibromochloromethane

Concen: 2.282 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Instrument :

MSVOA_W

ClientSampleId :

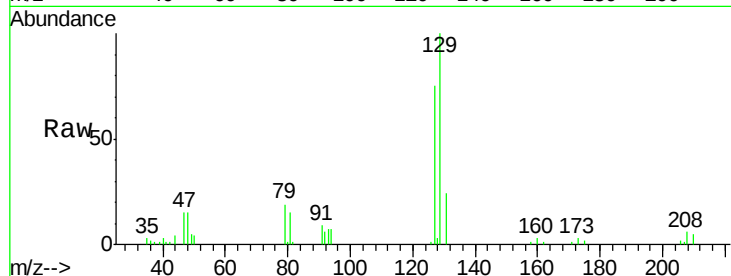
VSTD2.587

Tgt Ion:129 Resp: 11247

Ion Ratio Lower Upper

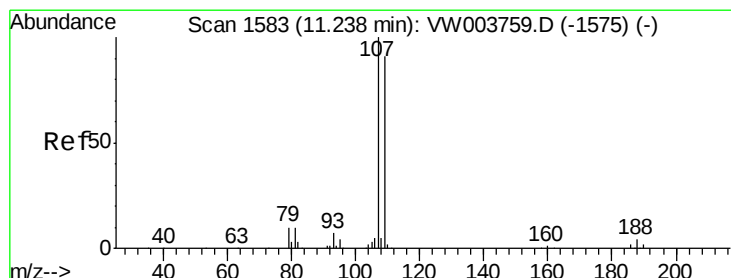
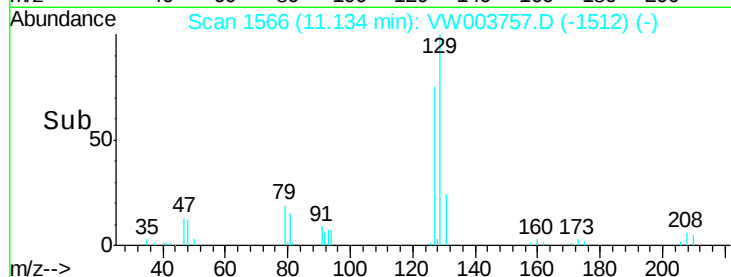
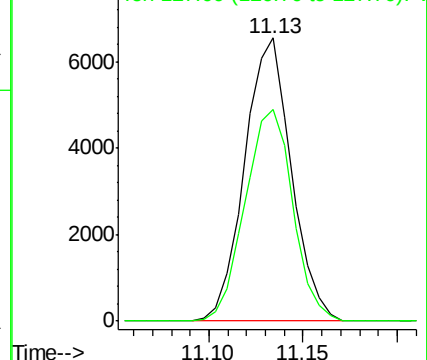
129 100

127 74.7 53.1 98.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 2.405 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

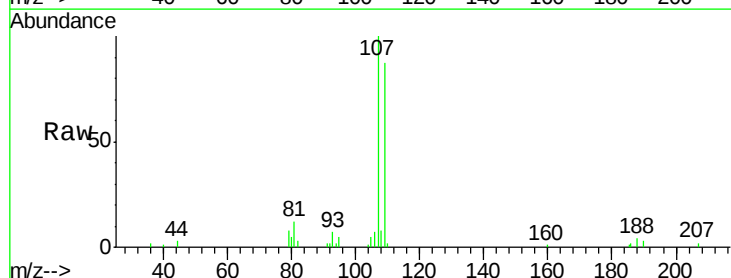
Tgt Ion:107 Resp: 9547

Ion Ratio Lower Upper

107 100

109 87.2 63.7 118.3

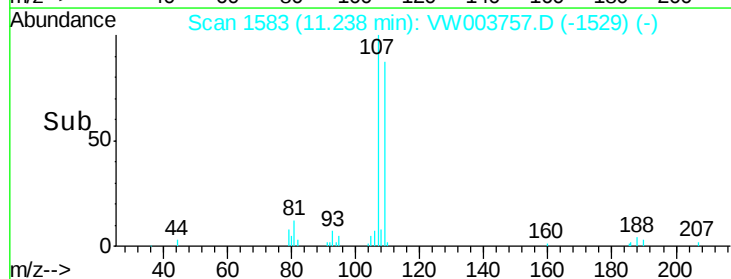
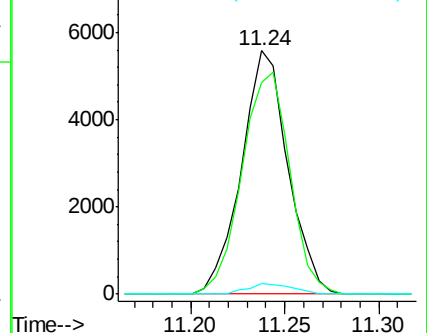
188 4.2 2.9 4.3

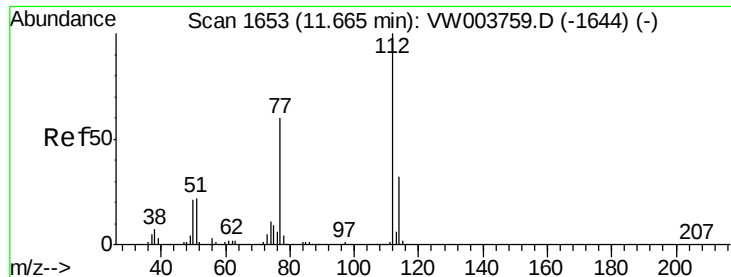


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 2.464 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.587

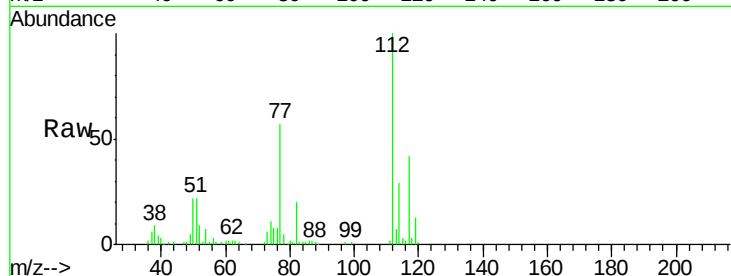
Tgt Ion: 112 Resp: 35421

Ion Ratio Lower Upper

112 100

77 56.7 47.9 71.9

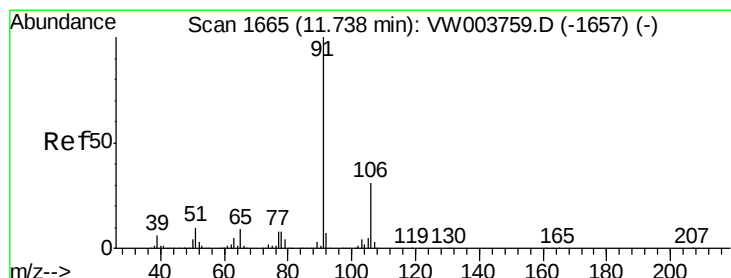
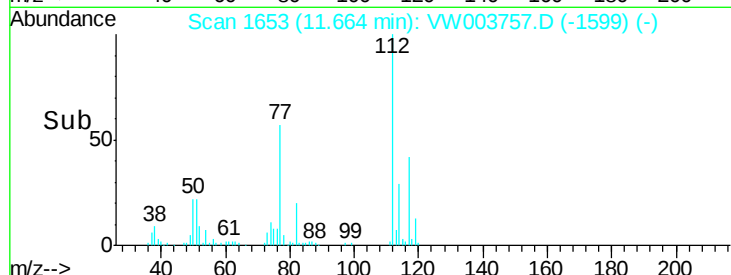
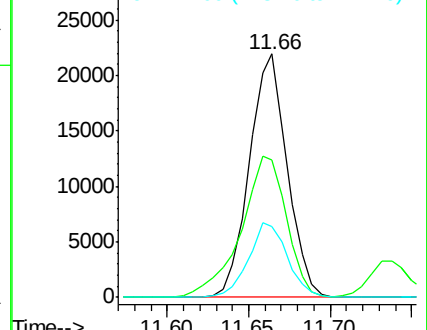
114 29.0 22.7 42.1



Abundance Ion 112.00 (111.70 to 112.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): VW



#53

Ethylbenzene

Concen: 2.281 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW003757.D

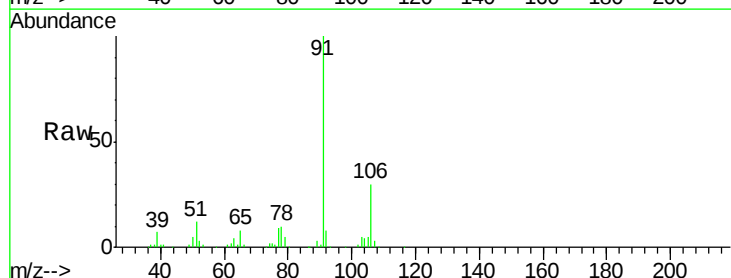
Acq: 07 Jul 2018 09:27

Tgt Ion: 91 Resp: 56349

Ion Ratio Lower Upper

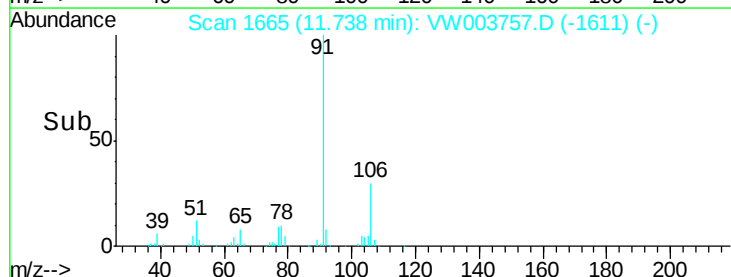
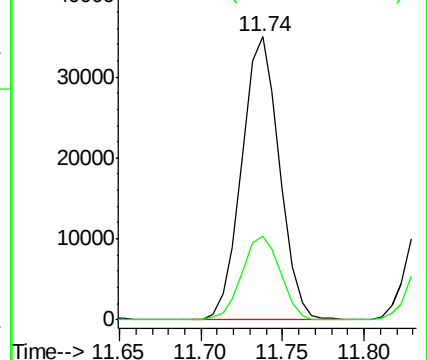
91 100

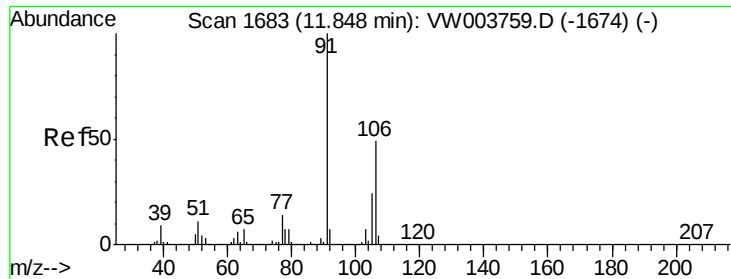
106 29.7 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): VW





#54

m,p-Xylene

Concen: 2.167 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Instrument :

MSVOA_W

ClientSampleId :

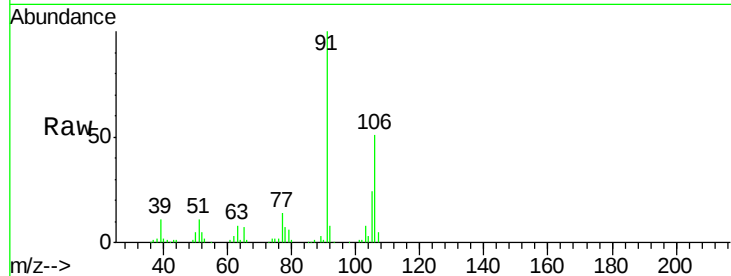
VSTD2.587

Tgt Ion:106 Resp: 19706

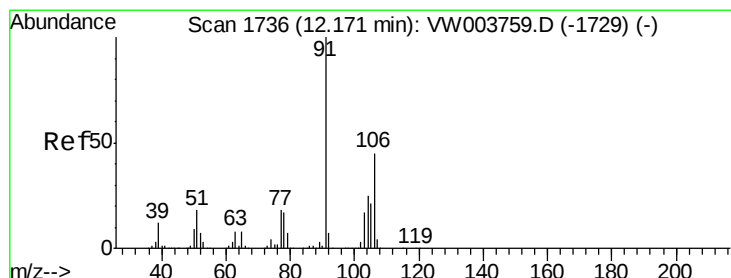
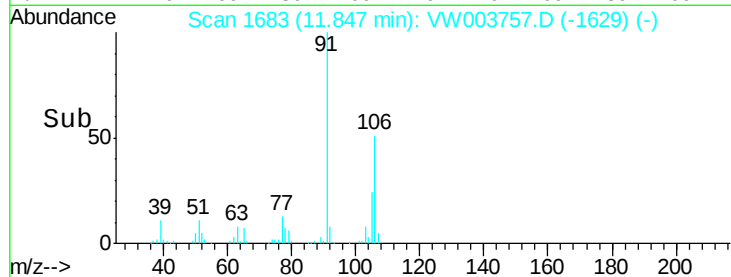
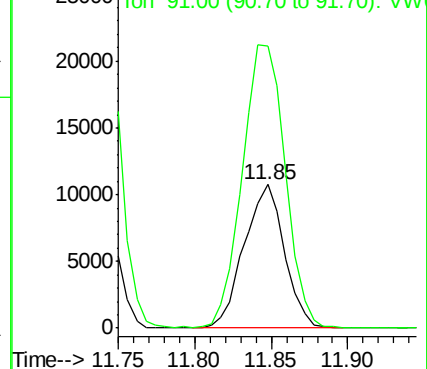
Ion Ratio Lower Upper

106 100

91 196.0 142.9 265.3



Abundance Ion 106.00 (105.70 to 106.70): V



#55

o-xylene

Concen: 2.116 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW003757.D

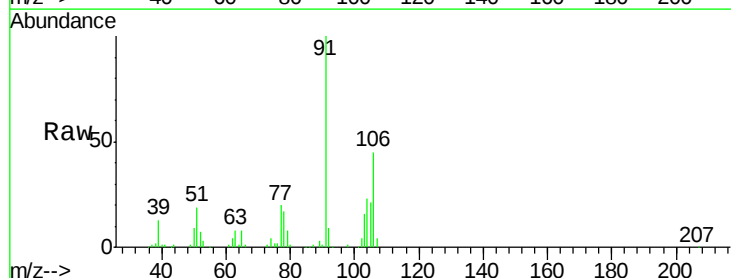
Acq: 07 Jul 2018 09:27

Tgt Ion:106 Resp: 18172

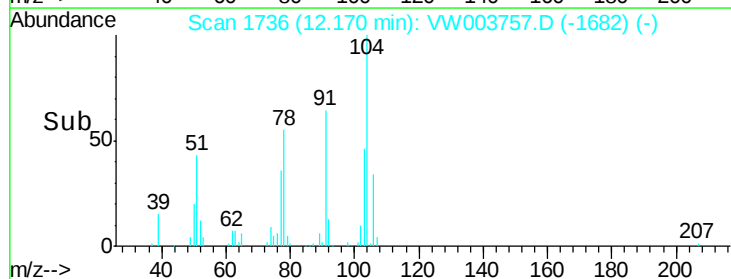
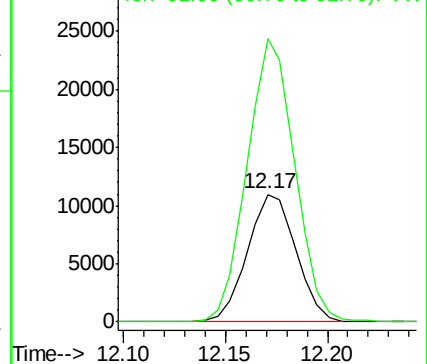
Ion Ratio Lower Upper

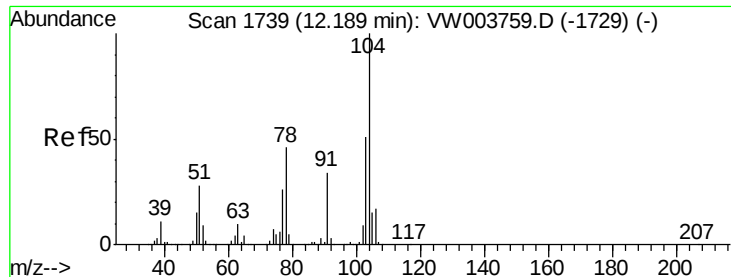
106 100

91 221.5 154.1 286.3



Abundance Ion 106.00 (105.70 to 106.70): V





#56

Styrene

Concen: 2.069 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Instrument :

MSVOA_W

ClientSampleId :

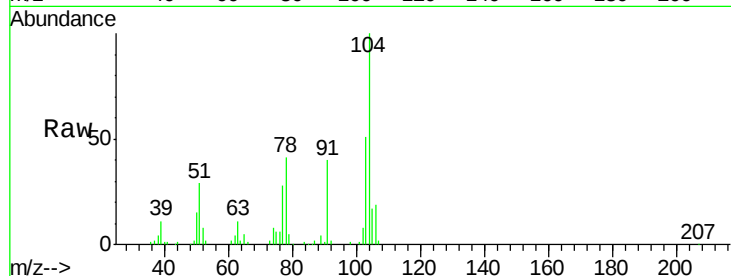
VSTD2.587

Tgt Ion:104 Resp: 31075

Ion Ratio Lower Upper

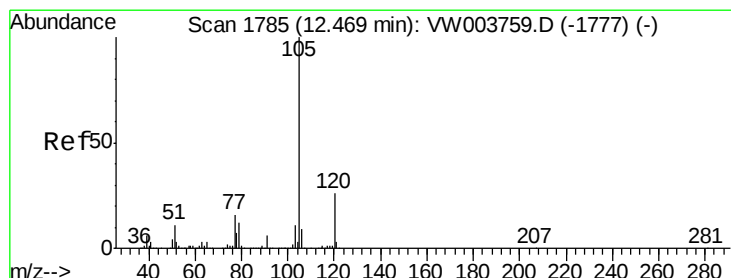
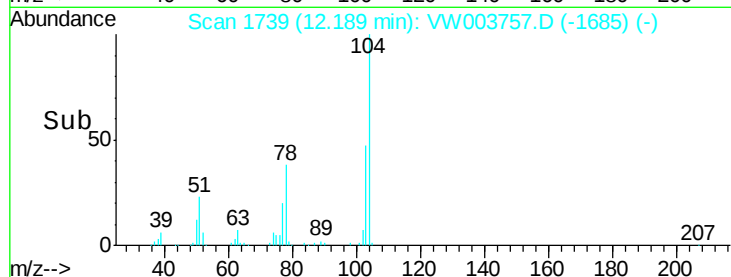
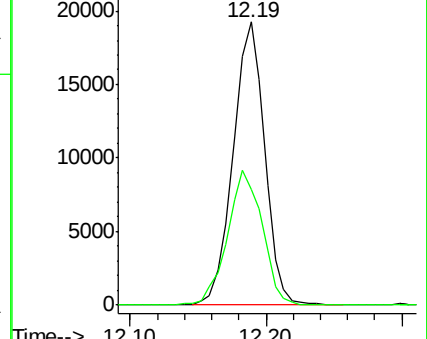
104 100

78 41.1 32.1 59.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 2.191 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

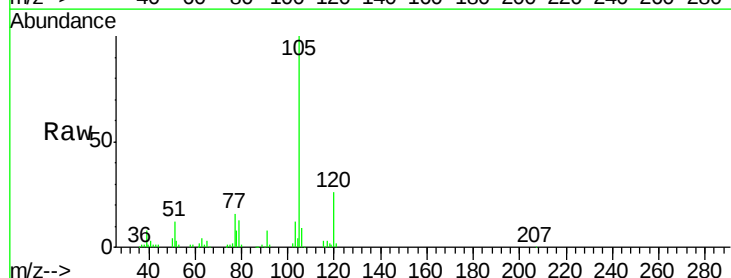
Tgt Ion:105 Resp: 51620

Ion Ratio Lower Upper

105 100

120 25.4 20.9 31.3

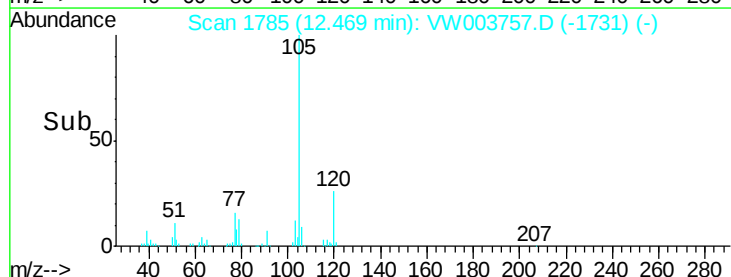
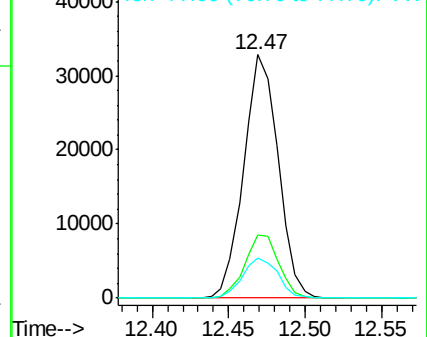
77 16.9 13.0 19.6

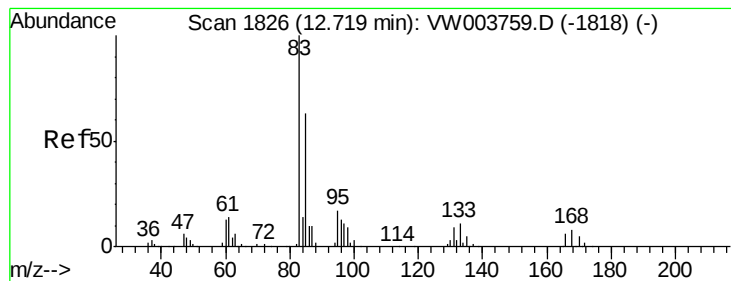


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#58

1,1,2,2-Tetrachloroethane

Concen: 2.386 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.587

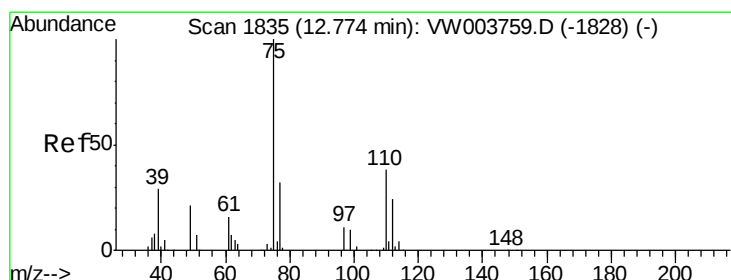
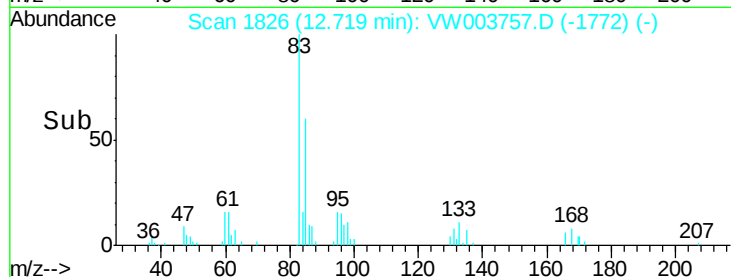
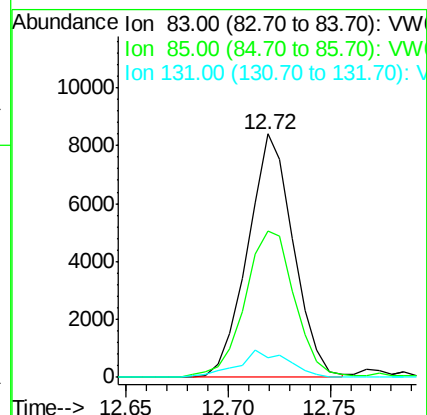
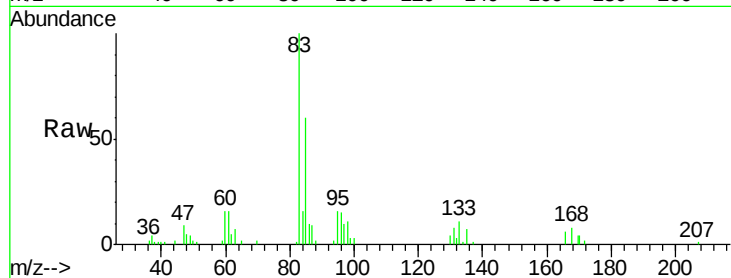
Tgt Ion: 83 Resp: 13055

Ion Ratio Lower Upper

83 100

85 59.9 44.2 82.0

131 8.0 7.5 11.3



#59

1,2,3-Trichloropropane

Concen: 2.499 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW003757.D

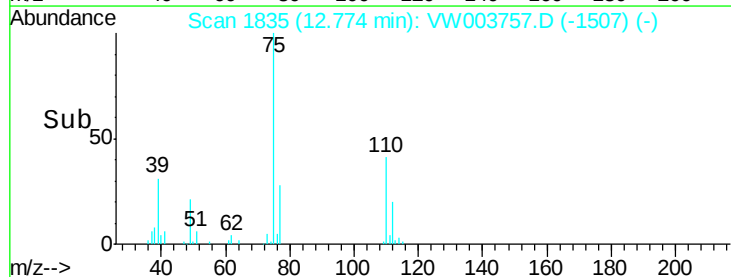
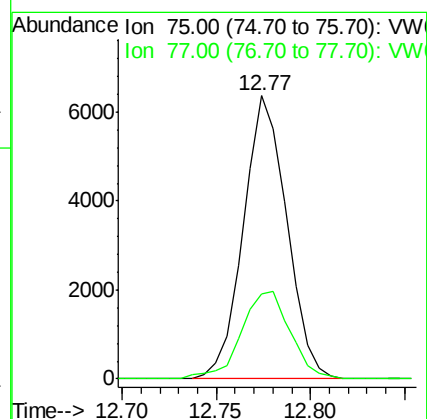
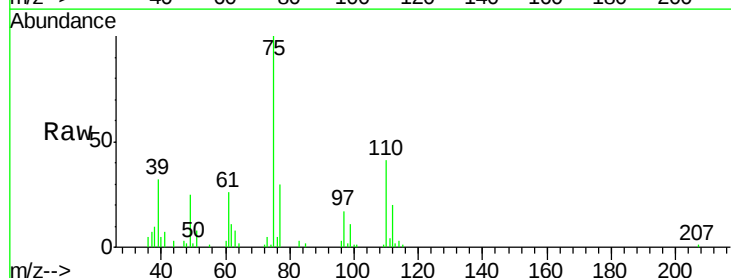
Acq: 07 Jul 2018 09:27

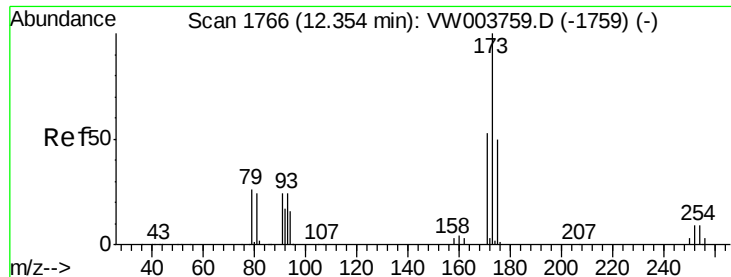
Tgt Ion: 75 Resp: 10198

Ion Ratio Lower Upper

75 100

77 34.8 26.0 39.0

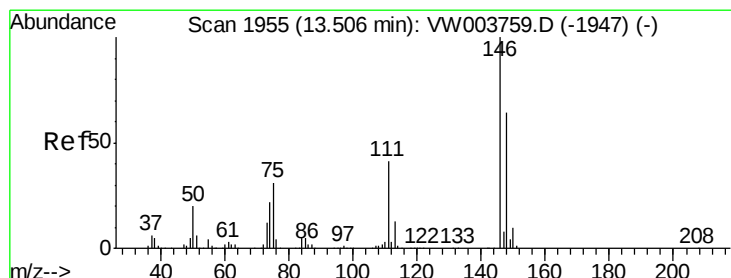
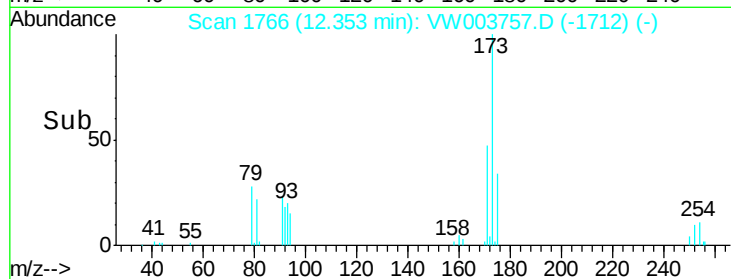
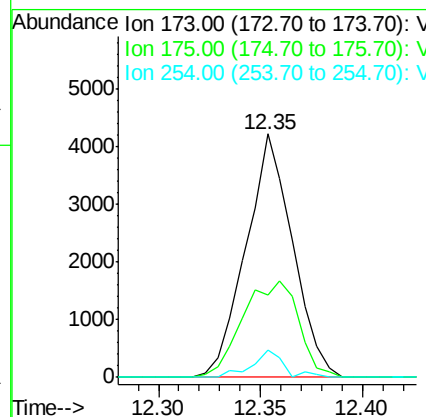
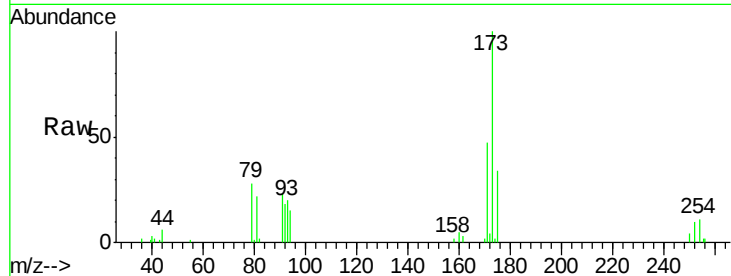




#62
Bromoform
Concen: 2.290 ug/L
RT: 12.35 min Scan# 1766
Delta R.T. -0.00 min
Lab File: VW003757.D
Acq: 07 Jul 2018 09:27

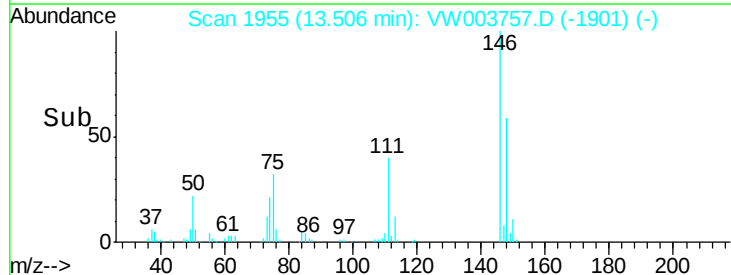
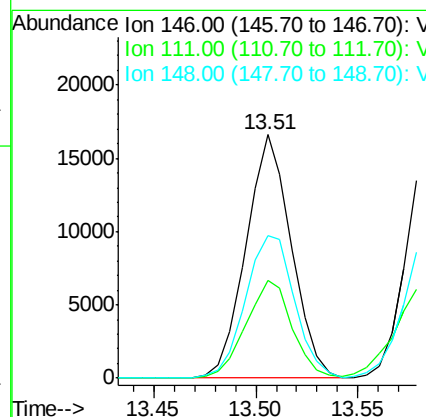
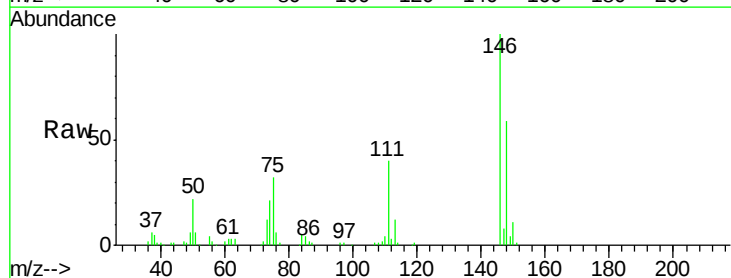
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.587

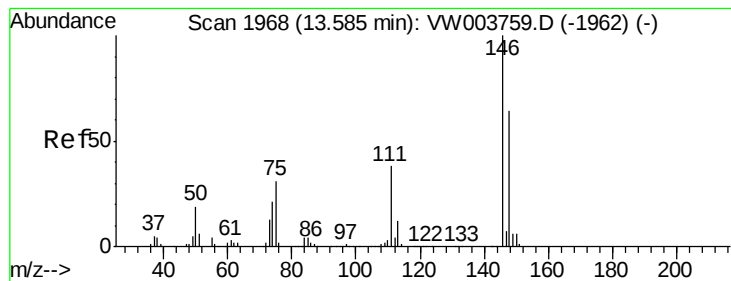
Tgt Ion:173 Resp: 6735
Ion Ratio Lower Upper
173 100
175 47.2 38.7 58.1
254 6.8 7.7 11.5#



#63
1,3-Dichlorobenzene
Concen: 2.468 ug/L
RT: 13.51 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW003757.D
Acq: 07 Jul 2018 09:27

Tgt Ion:146 Resp: 25632
Ion Ratio Lower Upper
146 100
111 40.4 28.3 52.7
148 58.7 45.1 83.7





#64

1,4-Dichlorobenzene

Concen: 2.501 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.587

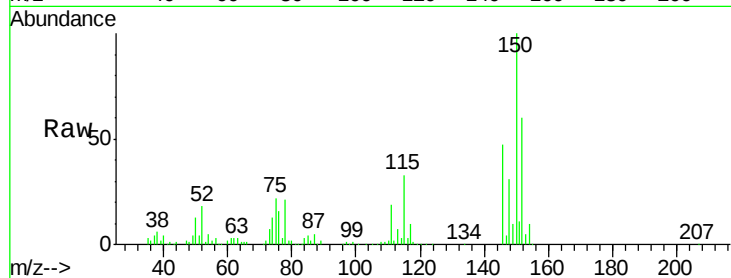
Tgt Ion:146 Resp: 28122

Ion Ratio Lower Upper

146 100

111 39.8 26.9 50.1

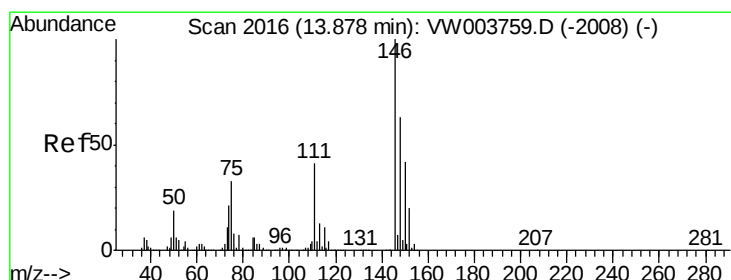
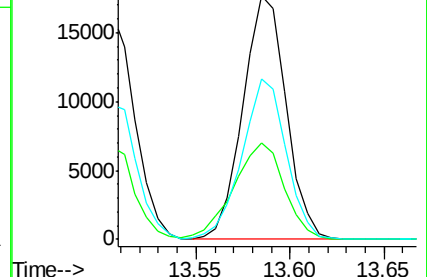
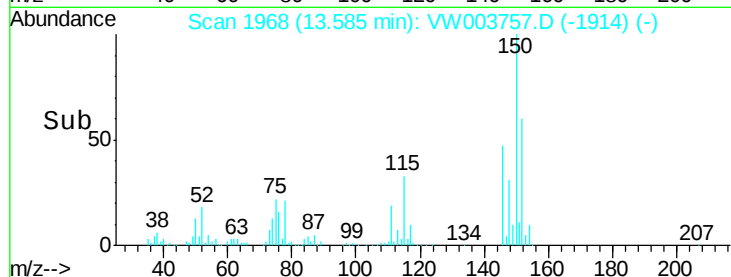
148 66.0 44.6 82.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 2.518 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

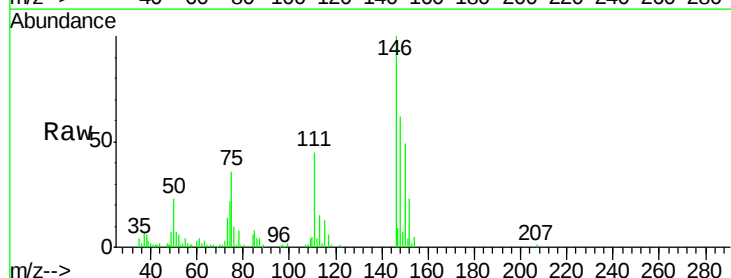
Tgt Ion:146 Resp: 25552

Ion Ratio Lower Upper

146 100

111 44.9 32.6 48.8

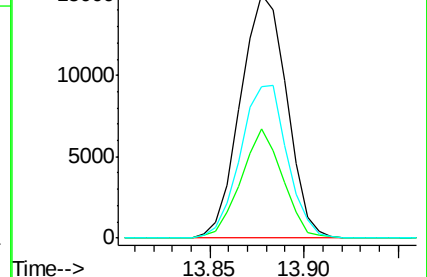
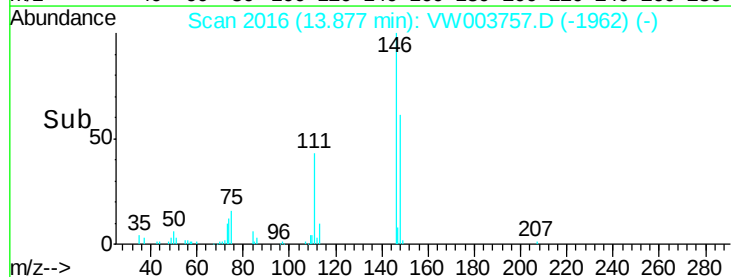
148 62.0 50.3 75.5

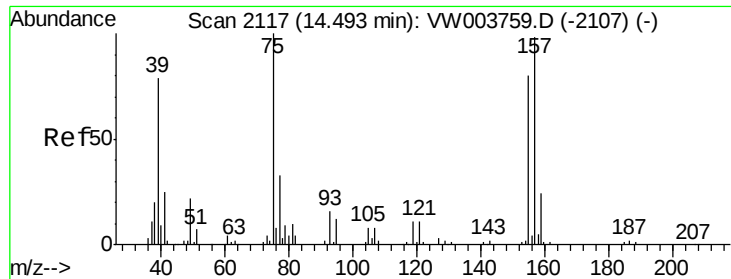


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#66

1,2-Dibromo-3-chloropropane

Concen: 2.534 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.587

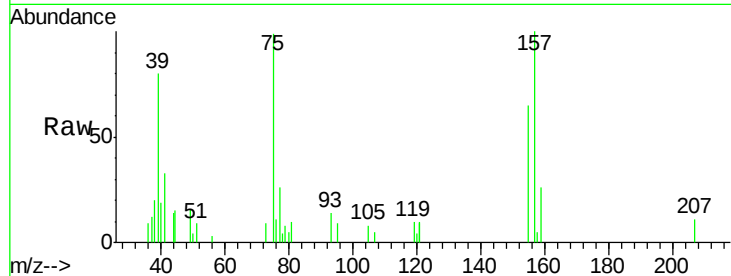
Tgt Ion: 75 Resp: 2325

Ion Ratio Lower Upper

75 100

157 101.2 78.6 118.0

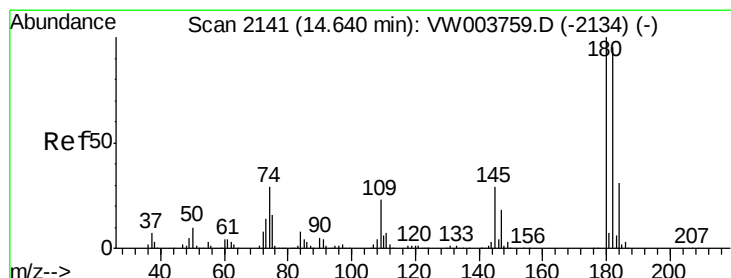
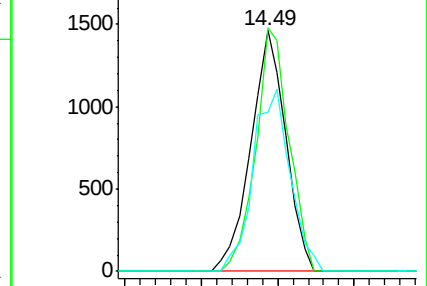
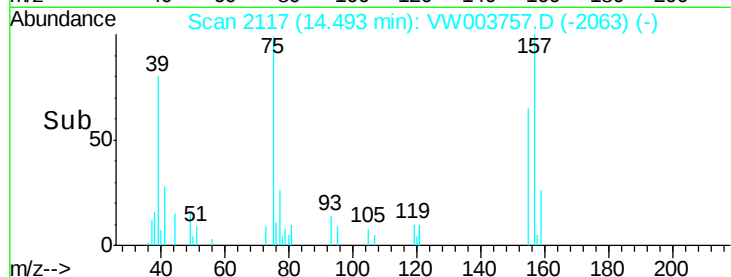
155 66.3 63.7 95.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V



#67

1,3,5-Trichlorobenzene

Concen: 2.538 ug/L

RT: 14.64 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VW003757.D

Acq: 07 Jul 2018 09:27

Tgt Ion: 180 Resp: 20769

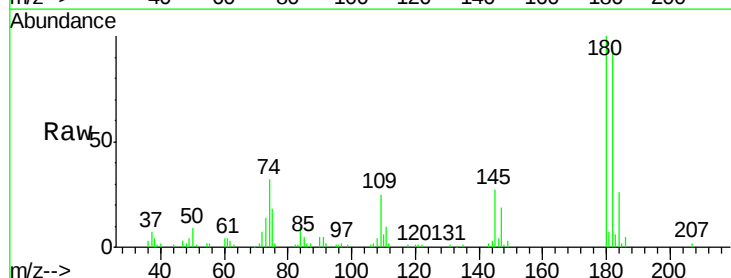
Ion Ratio Lower Upper

180 100

182 90.8 75.7 113.5

184 29.5 24.4 36.6

145 28.9 23.5 35.3

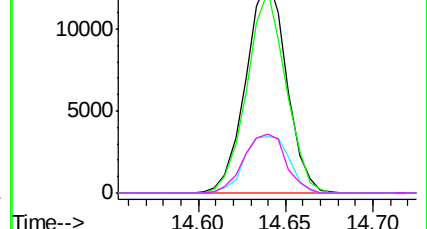
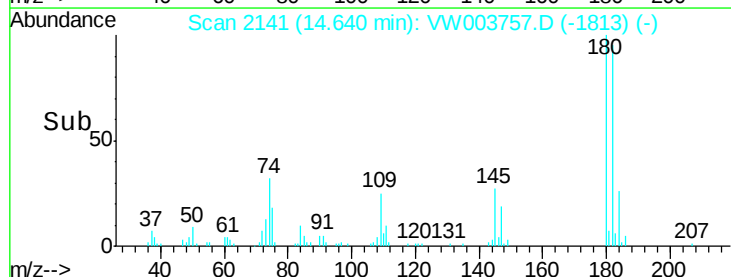


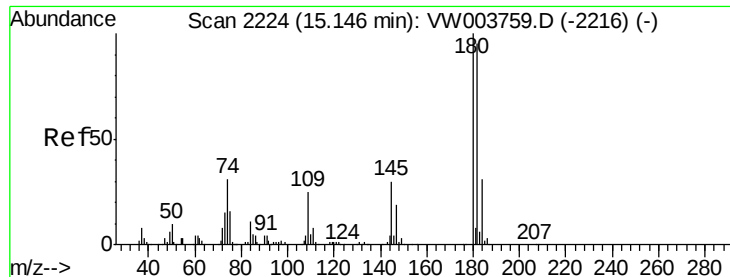
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

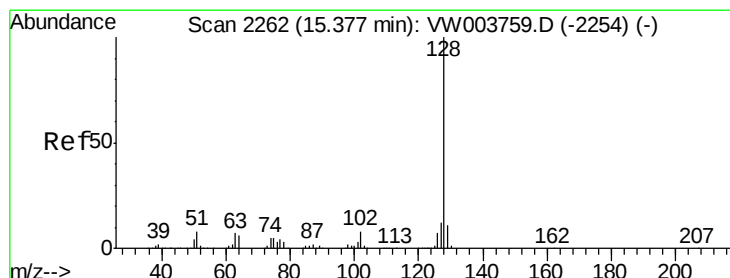
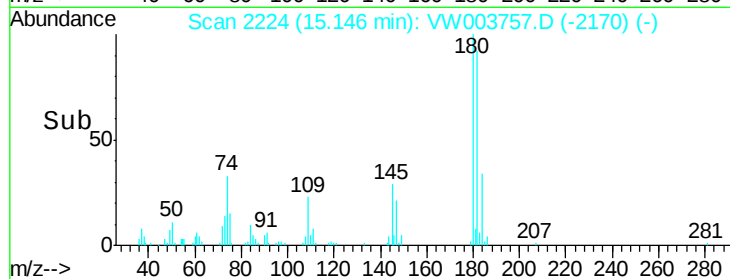
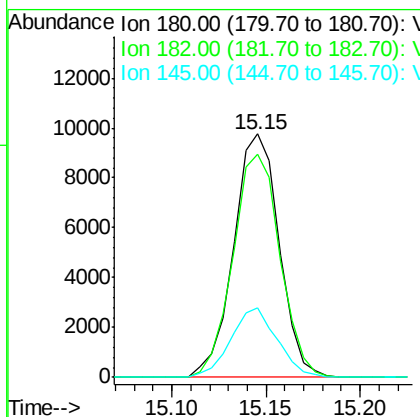
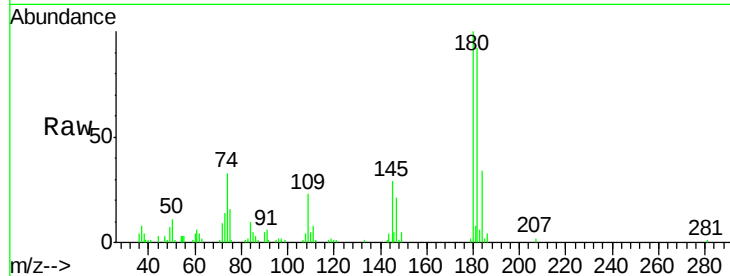




#68
 1,2,4-trichlorobenzene
 Concen: 2.486 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW003757.D
 Acq: 07 Jul 2018 09:27

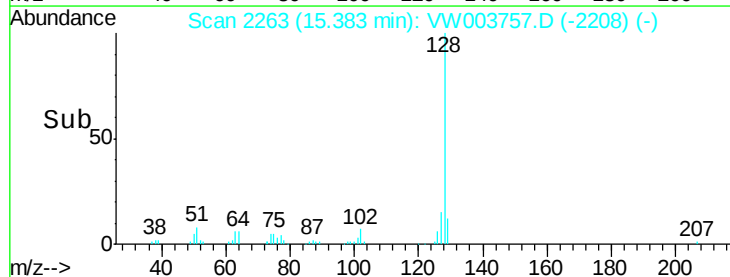
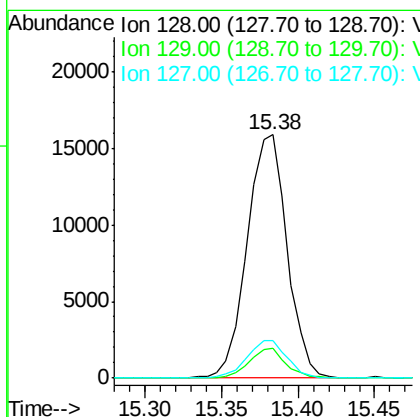
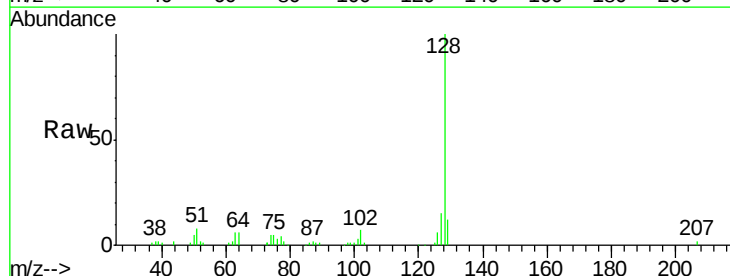
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.587

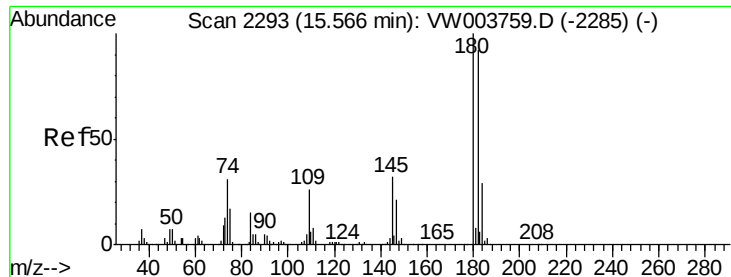
Tgt Ion:180 Resp: 16339
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.4 114.6
 145 28.9 24.2 36.2



#69
 Naphthalene
 Concen: 2.197 ug/L
 RT: 15.38 min Scan# 2263
 Delta R.T. 0.01 min
 Lab File: VW003757.D
 Acq: 07 Jul 2018 09:27

Tgt Ion:128 Resp: 28904
 Ion Ratio Lower Upper
 128 100
 129 11.2 8.7 13.1
 127 15.4 10.6 16.0

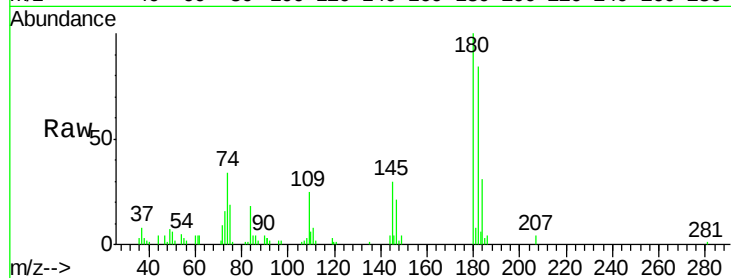




#70
 1,2,3-Trichlorobenzene
 Concen: 2.443 ug/L
 RT: 15.57 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: VW003757.D
 Acq: 07 Jul 2018 09:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.587

Tgt Ion:180 Resp: 15168
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.8 113.6
 145 30.7 25.3 37.9



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

