

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070818\
 Data File : VW003762.D
 Acq On : 07 Jul 2018 11:36
 Operator : SY/AP
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV92

Quant Time: Jul 09 04:43:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070818S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 09 04:42:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	392656	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	367791	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	184755	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	111538	23.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.52%
7) Chloroethane-d5	2.89	69	86657	23.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.64%
10) 1,1-Dichloroethene-d2	4.01	63	237322	23.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.88%
20) 2-Butanone-d5	7.09	46	75903	46.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.44%
24) Chloroform-d	7.65	84	242822	24.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.88%
26) 1,2-Dichloroethane-d4	8.31	65	143244	23.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.60%
29) Benzene-d6	8.27	84	463485	24.66	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.64%
33) 1,2-Dichloropropane-d6	9.27	67	150946	24.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.40%
37) Toluene-d8	10.33	98	445018	25.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.84%
38) trans-1,3-Dichloropropene-	10.58	79	69563	25.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.00%
39) 2-Hexanone-d5	10.93	63	58620	49.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.34%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	137074	24.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.12%
61) 1,2-Dichlorobenzene-d4	13.87	152	165553	24.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.84%

Target Compounds

					Qvalue
3) Chloromethane	2.21	50	87916	23.342 ug/L	98
5) Vinyl chloride	2.36	62	124468	21.741 ug/L	99
6) Bromomethane	2.78	94	72001	23.051 ug/L	98
8) Chloroethane	2.92	64	75346	22.107 ug/L	100
9) Trichlorofluoromethane	3.26	101	68720	22.414 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	111992	22.922 ug/L	99
12) 1,1-Dichloroethene	4.03	96	107691	22.429 ug/L	95
13) Acetone	4.15	43	65951	39.773 ug/L	98
14) Carbon disulfide	4.37	76	358397	23.040 ug/L	100
15) Methyl Acetate	4.68	43	66217	21.674 ug/L	100
16) Methylene chloride	4.90	84	123491	22.011 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	223019	24.131 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	118914	23.170 ug/L	97
19) 1,1-Dichloroethane	6.21	63	223417	23.086 ug/L	99
21) 2-Butanone	7.18	43	88032	43.525 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	128377	23.495 ug/L	99
23) Bromochloromethane	7.51	128	59199	23.567 ug/L	97

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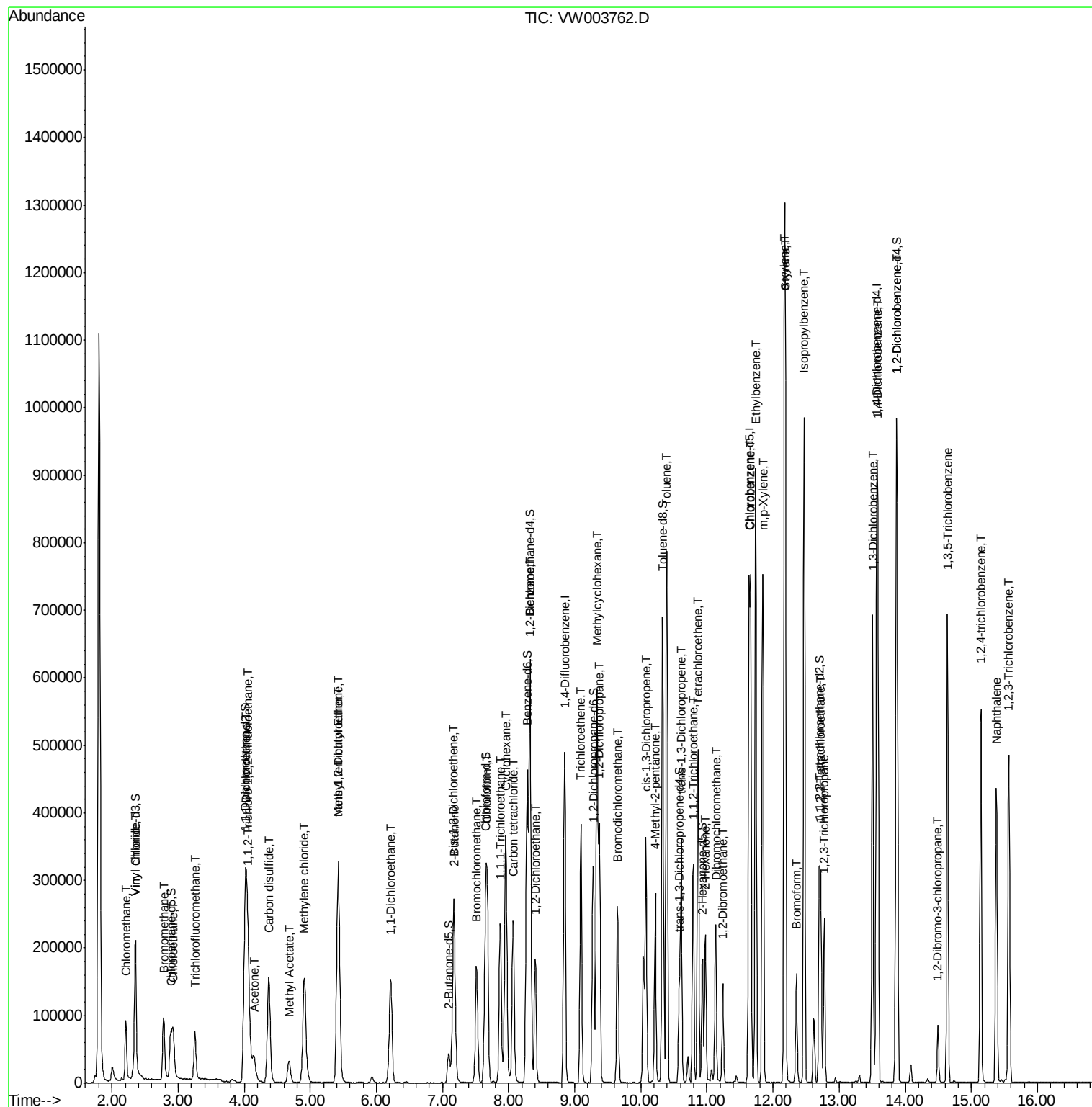
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.68	83	231758	23.317	ug/L	98
27) 1,2-Dichloroethane	8.40	62	165820	23.145	ug/L	100
30) Cyclohexane	7.96	56	204967	24.194	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	185434	22.922	ug/L	100
32) Carbon tetrachloride	8.07	117	177709	23.211	ug/L	99
34) Benzene	8.32	78	510383	23.727	ug/L	100
35) Trichloroethene	9.09	95	132120	22.933	ug/L	99
36) Methylcyclohexane	9.34	83	228558	23.533	ug/L	100
40) 1,2-Dichloropropane	9.37	63	136449	23.841	ug/L	100
41) Bromodichloromethane	9.65	83	169332	23.398	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	204866	24.180	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	188684	47.399	ug/L	99
44) Toluene	10.39	91	554894	24.127	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	184266	23.933	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	97879	23.033	ug/L	97
47) Tetrachloroethene	10.87	164	108046	23.051	ug/L	98
49) 2-Hexanone	10.98	43	139408	46.249	ug/L	98
50) Dibromochloromethane	11.13	129	120822	23.860	ug/L	97
51) 1,2-Dibromoethane	11.24	107	97112	23.458	ug/L	98
52) Chlorobenzene	11.66	112	351815	23.450	ug/L	100
53) Ethylbenzene	11.74	91	625343	24.001	ug/L	100
54) m,p-Xylene	11.85	106	236767	24.713	ug/L	100
55) o-xylene	12.17	106	222385	24.644	ug/L	99
56) Styrene	12.19	104	389714	24.894	ug/L	99
57) Isopropylbenzene	12.47	105	611058	24.374	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	128173	22.974	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	95910	22.510	ug/L	100
62) Bromoform	12.35	173	72429	23.443	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	271507	23.740	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	284856	23.535	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	259994	23.570	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	21730	22.260	ug/L	96
67) 1,3,5-Trichlorobenzene	14.64	180	213571	23.896	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	174200	24.076	ug/L	99
69) Naphthalene	15.38	128	359504	24.657	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	161939	24.085	ug/L	99

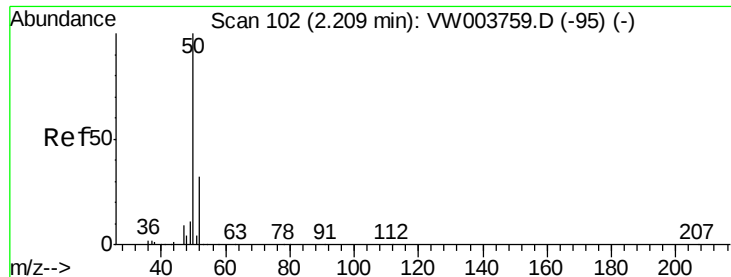
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 23.342 ug/L

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

Instrument :

MSVOA_W

ClientSampled :

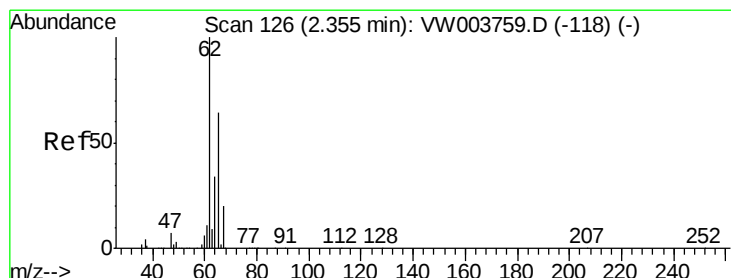
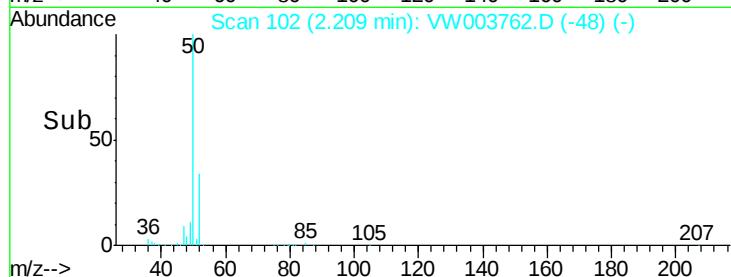
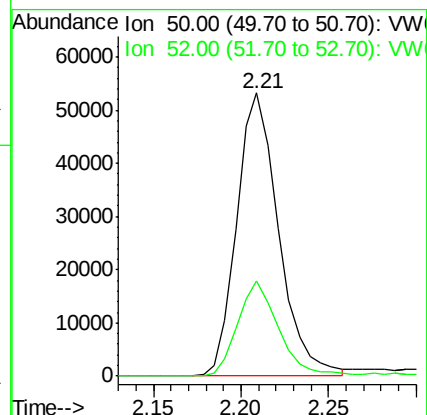
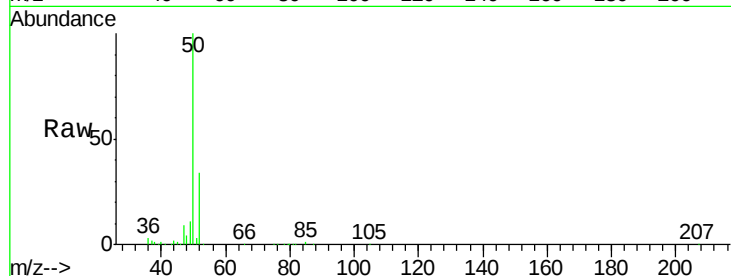
VICV92

Tgt Ion: 50 Resp: 87916

Ion Ratio Lower Upper

50 100

52 33.7 22.7 42.3



#5

Vinyl chloride

Concen: 21.741 ug/L

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003762.D

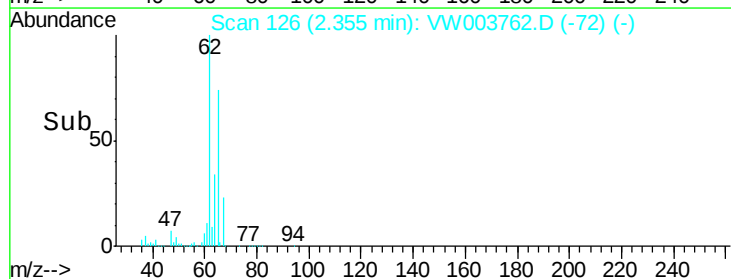
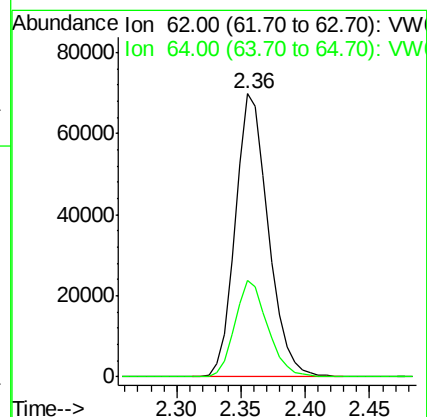
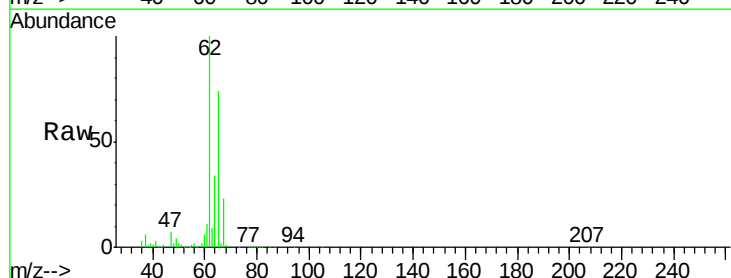
Acq: 07 Jul 2018 11:36

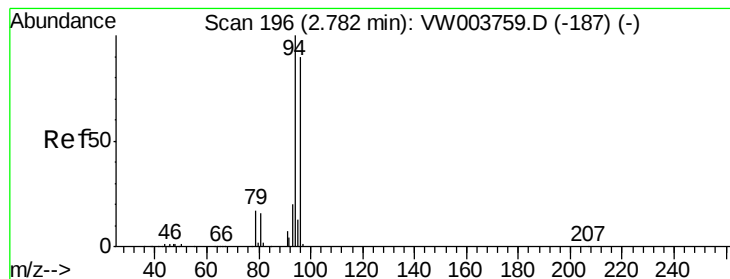
Tgt Ion: 62 Resp: 124468

Ion Ratio Lower Upper

62 100

64 33.9 23.4 43.6





#6

Bromomethane

Concen: 23.051 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

Instrument :

MSVOA_W

ClientSampleId :

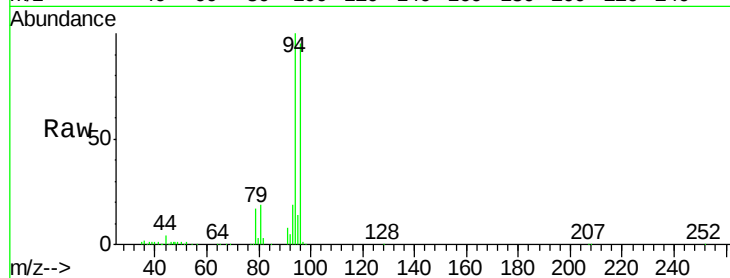
VICV92

Tgt Ion: 94 Resp: 72001

Ion Ratio Lower Upper

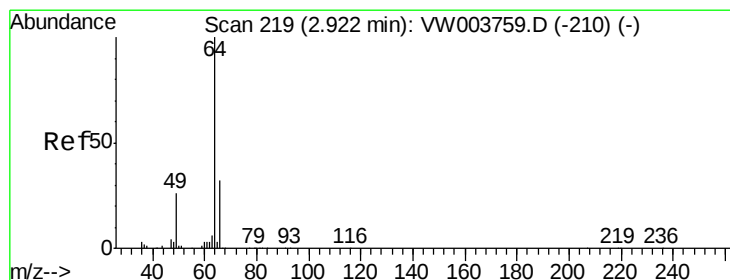
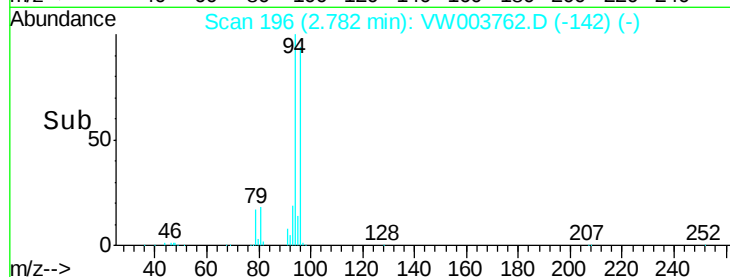
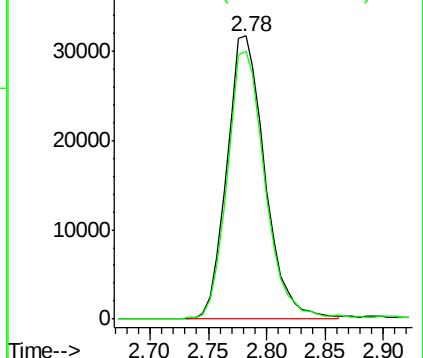
94 100

96 92.7 9.4 179.5



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW



#8

Chloroethane

Concen: 22.107 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VW003762.D

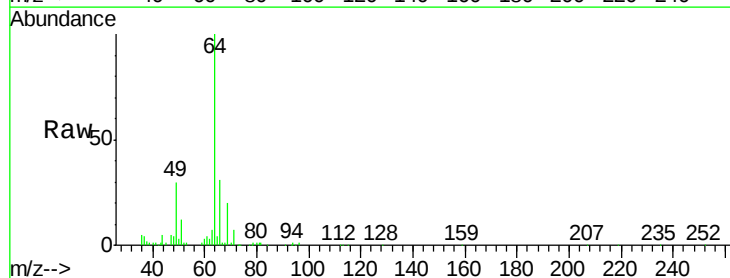
Acq: 07 Jul 2018 11:36

Tgt Ion: 64 Resp: 75346

Ion Ratio Lower Upper

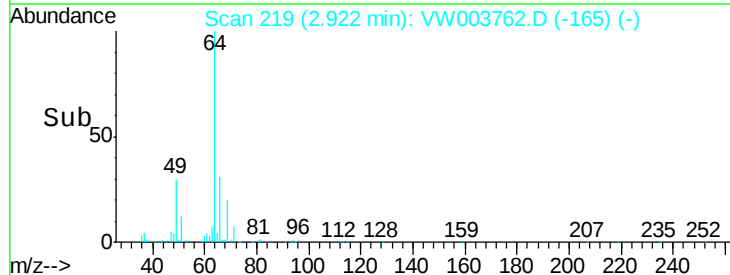
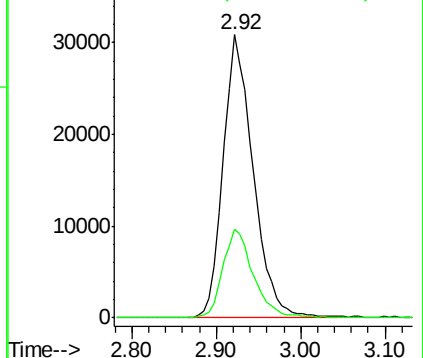
64 100

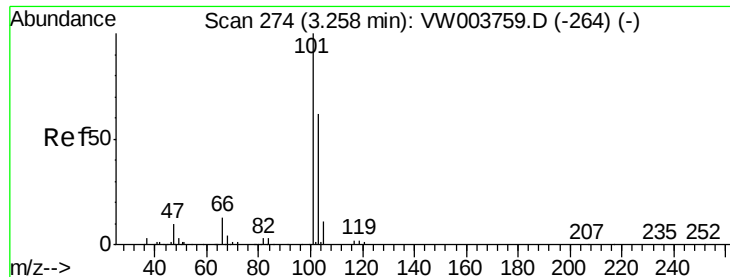
66 31.4 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



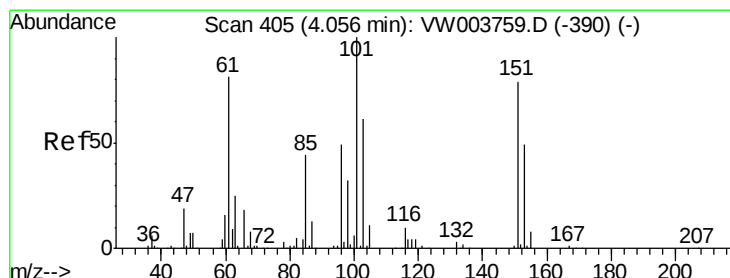
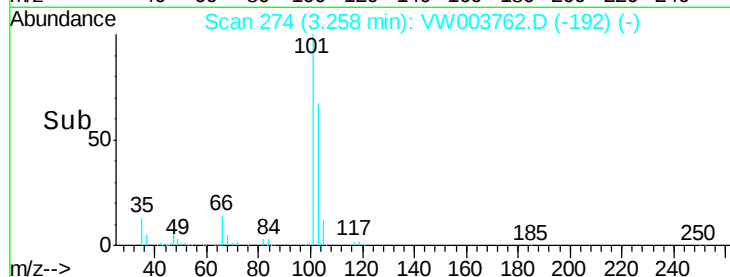
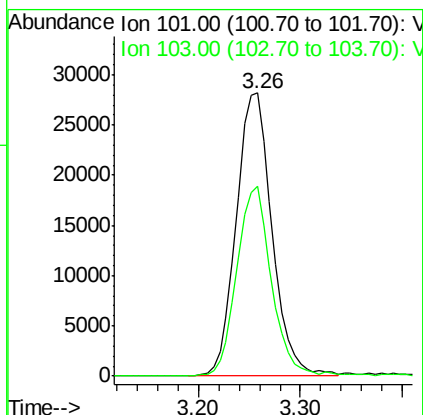
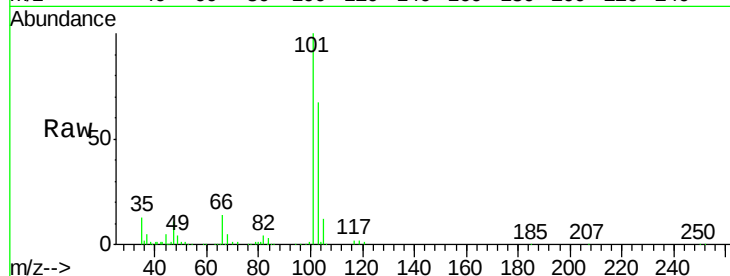


#9

Trichlorofluoromethane
 Concen: 22.414 ug/L
 RT: 3.26 min Scan# 274
 Delta R.T. -0.00 min
 Lab File: VW003762.D
 Acq: 07 Jul 2018 11:36

Instrument :
 MSVOA_W
 ClientSampled :
 VICV92

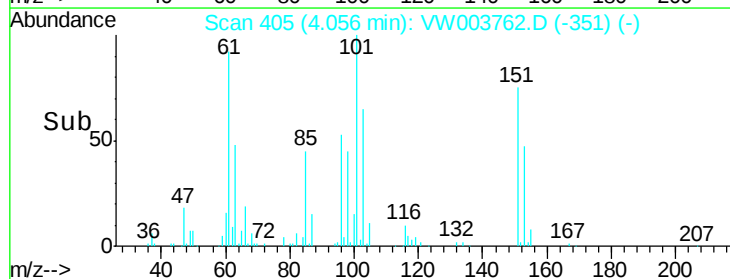
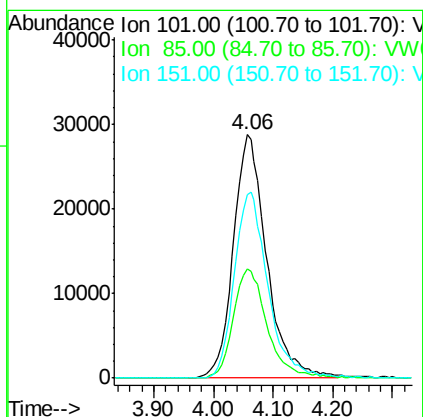
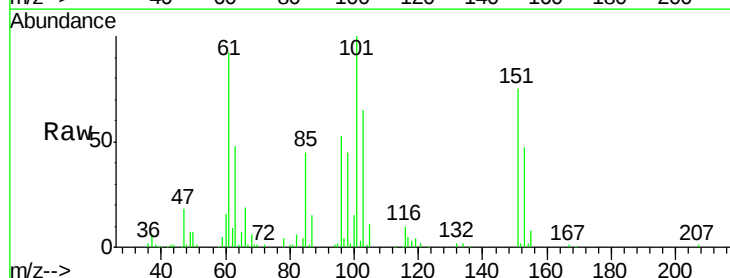
Tgt Ion:101 Resp: 68720
 Ion Ratio Lower Upper
 101 100
 103 64.2 44.5 82.7

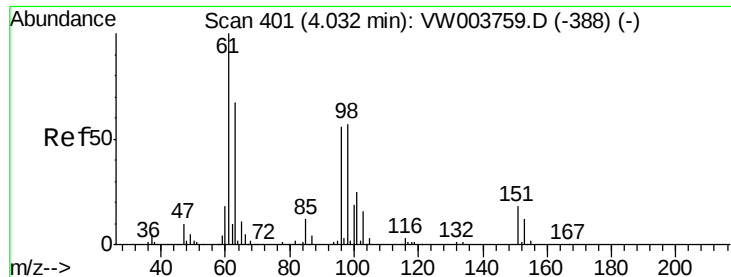


#11

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 22.922 ug/L
 RT: 4.06 min Scan# 405
 Delta R.T. -0.00 min
 Lab File: VW003762.D
 Acq: 07 Jul 2018 11:36

Tgt Ion:101 Resp: 111992
 Ion Ratio Lower Upper
 101 100
 85 44.1 36.6 55.0
 151 76.3 61.4 92.0





#12

1,1-Dichloroethene

Concen: 22.429 ug/L

RT: 4.03 min Scan# 401

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

Instrument :

MSVOA_W

ClientSampled :

VICV92

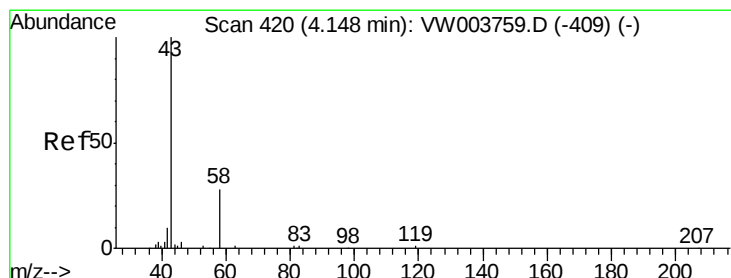
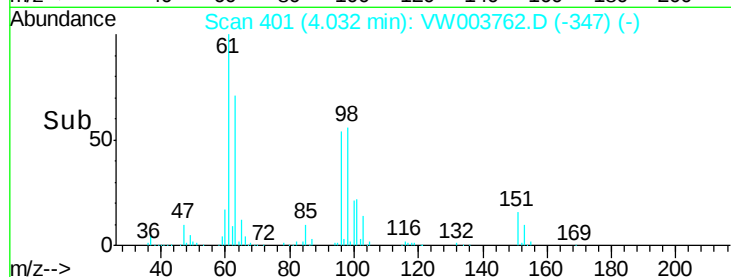
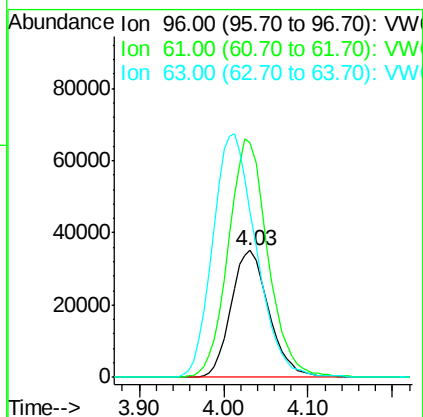
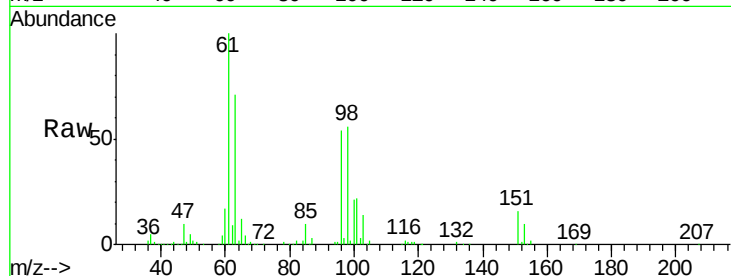
Tgt Ion: 96 Resp: 107691

Ion Ratio Lower Upper

96 100

61 184.6 126.2 234.4

63 130.6 85.8 159.4



#13

Acetone

Concen: 39.773 ug/L

RT: 4.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VW003762.D

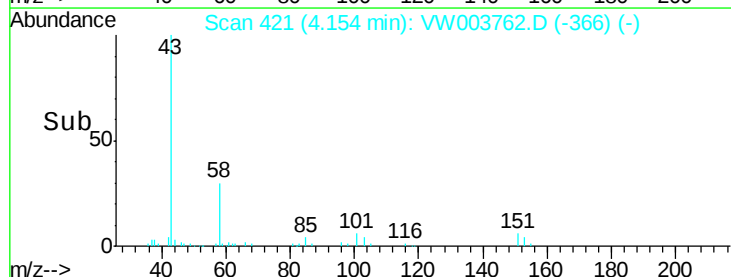
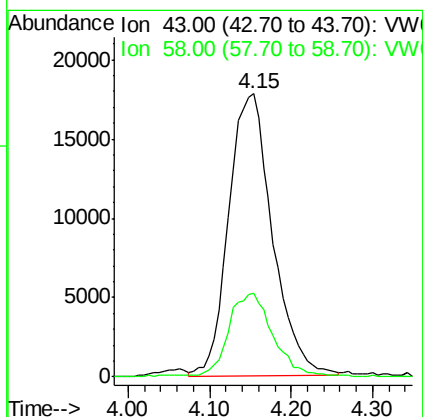
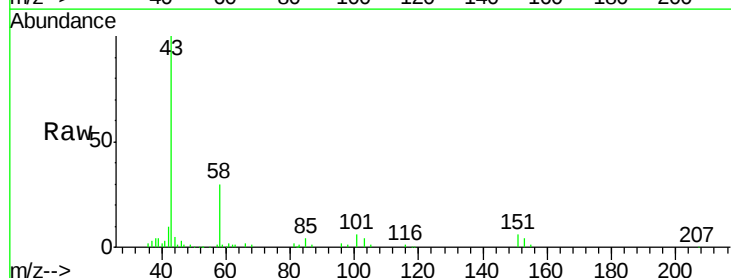
Acq: 07 Jul 2018 11:36

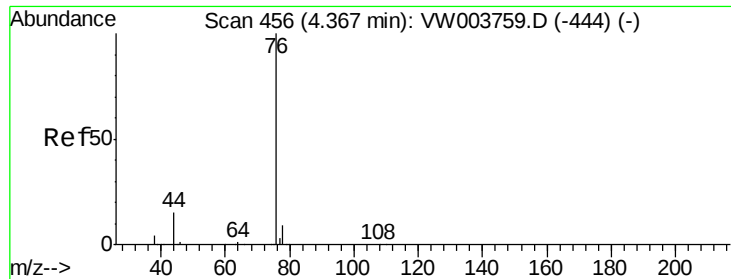
Tgt Ion: 43 Resp: 65951

Ion Ratio Lower Upper

43 100

58 29.9 0.0 58.2

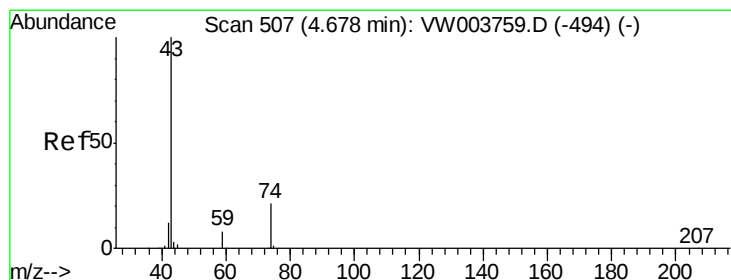
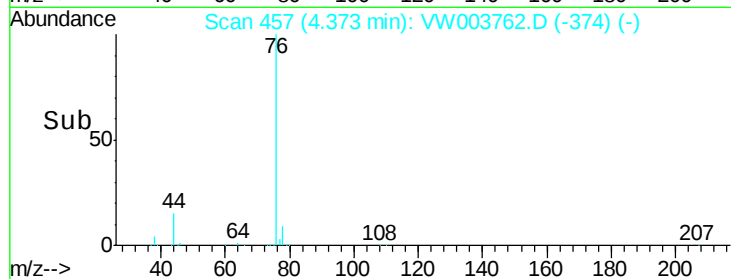
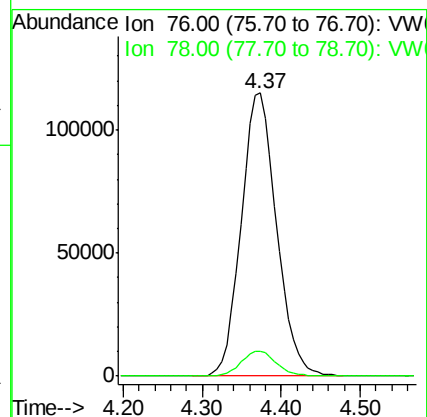
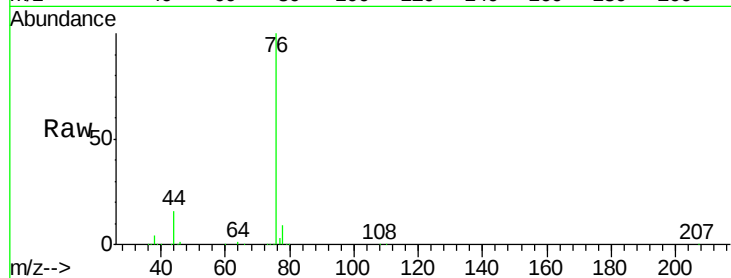




#14
Carbon disulfide
Concen: 23.040 ug/L
RT: 4.37 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW003762.D
Acq: 07 Jul 2018 11:36

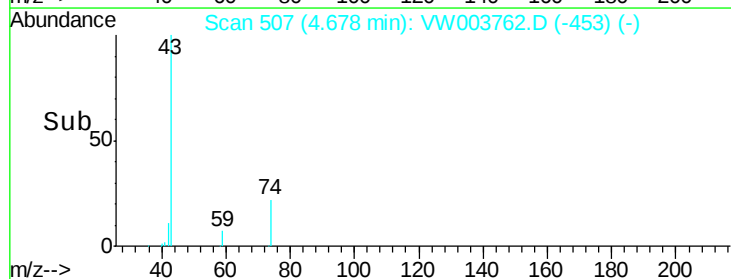
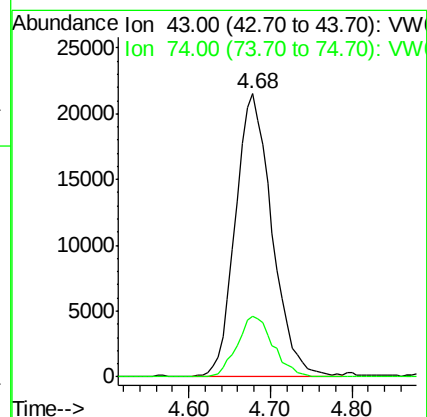
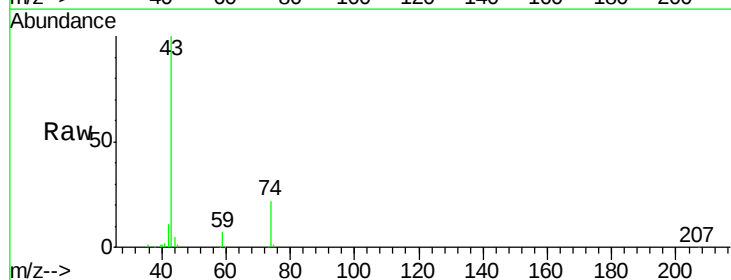
Instrument :
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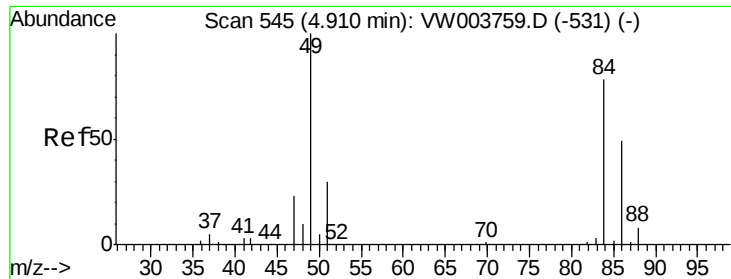
Tgt Ion: 76 Resp: 358397
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#15
Methyl Acetate
Concen: 21.674 ug/L
RT: 4.68 min Scan# 507
Delta R.T. -0.00 min
Lab File: VW003762.D
Acq: 07 Jul 2018 11:36

Tgt Ion: 43 Resp: 66217
Ion Ratio Lower Upper
43 100
74 21.3 17.0 25.4

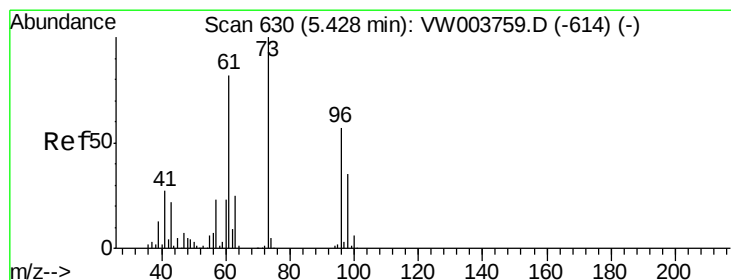
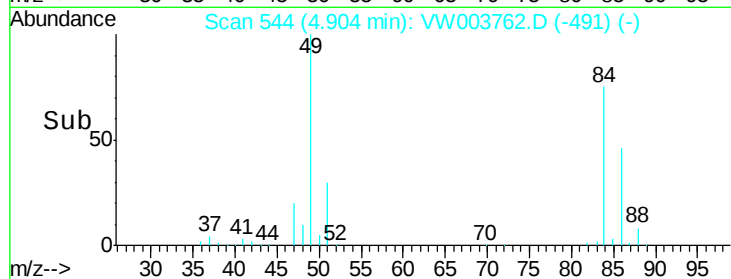
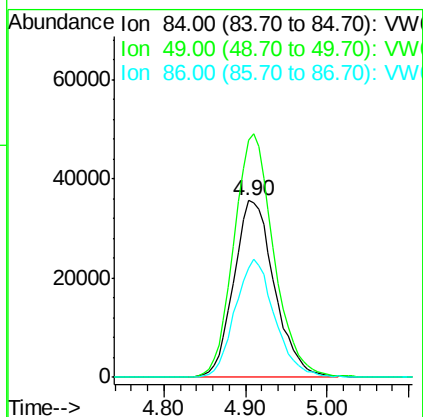
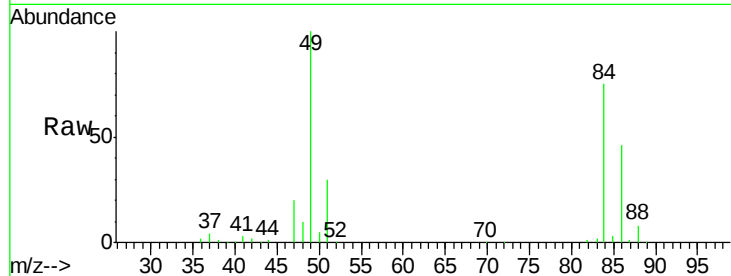




#16
Methylene chloride
Concen: 22.011 ug/L
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003762.D
Acq: 07 Jul 2018 11:36

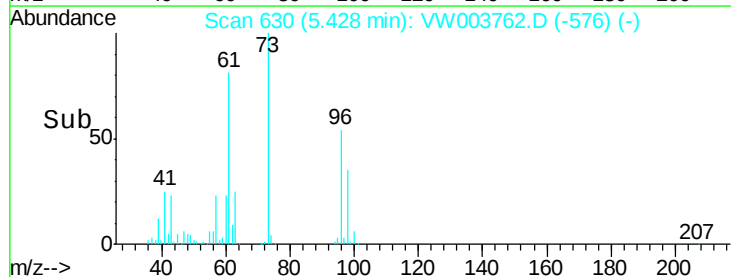
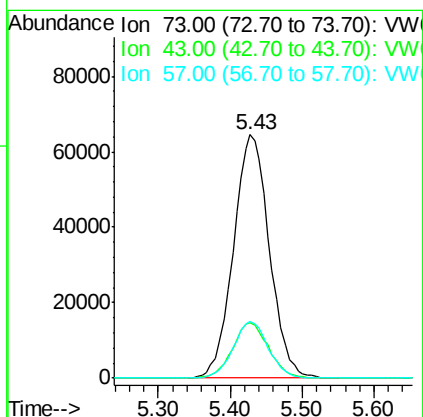
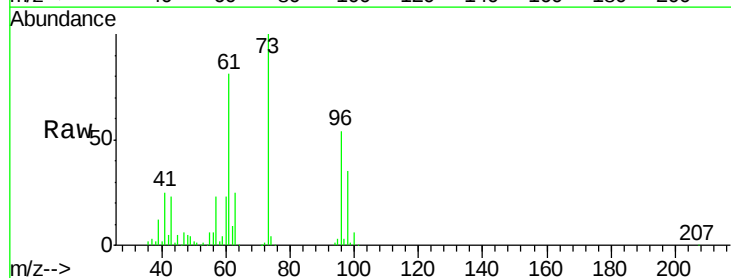
Instrument :
MSVOA_W
ClientSampleId :
VICV92

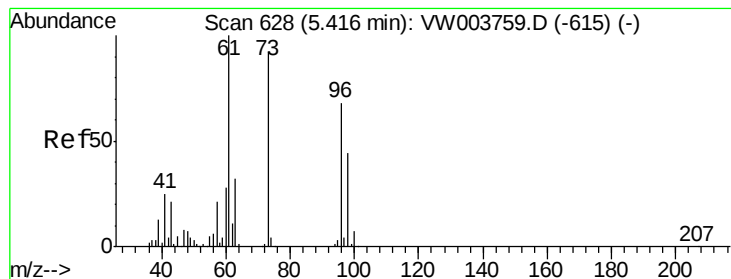
Tgt Ion: 84 Resp: 123491
Ion Ratio Lower Upper
84 100
49 134.0 89.9 166.9
86 61.7 43.9 81.5



#17
Methyl tert-butyl Ether
Concen: 24.131 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW003762.D
Acq: 07 Jul 2018 11:36

Tgt Ion: 73 Resp: 223019
Ion Ratio Lower Upper
73 100
43 23.0 18.2 27.4
57 22.8 18.6 28.0





#18

trans-1,2-Dichloroethene

Concen: 23.170 ug/L

RT: 5.42 min Scan# 628

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

Instrument :

MSVOA_W

ClientSampled :

VICV92

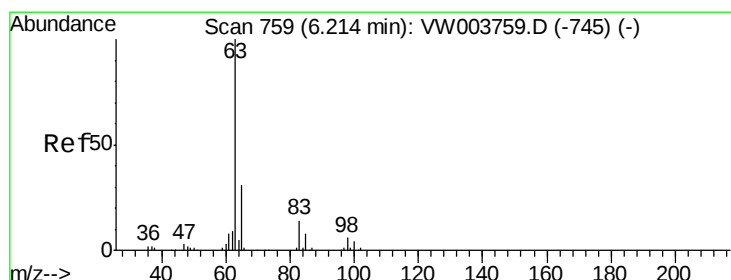
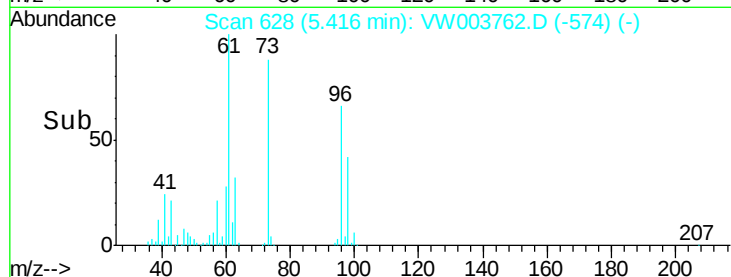
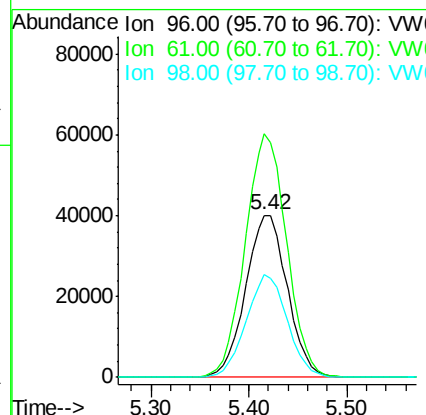
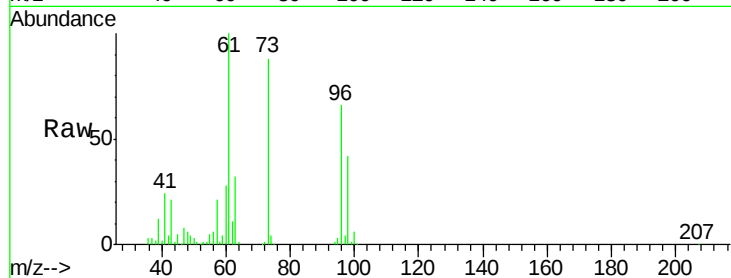
Tgt Ion: 96 Resp: 118914

Ion Ratio Lower Upper

96 100

61 150.6 103.0 191.2

98 63.3 45.8 85.2



#19

1,1-Dichloroethane

Concen: 23.086 ug/L

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

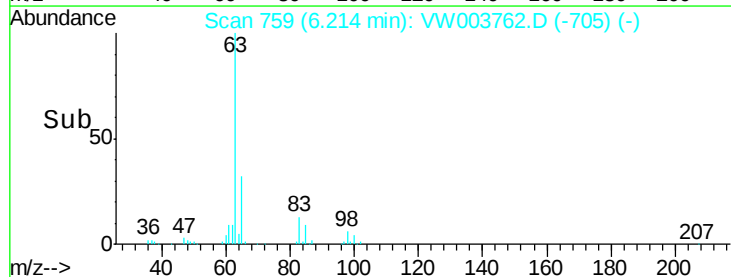
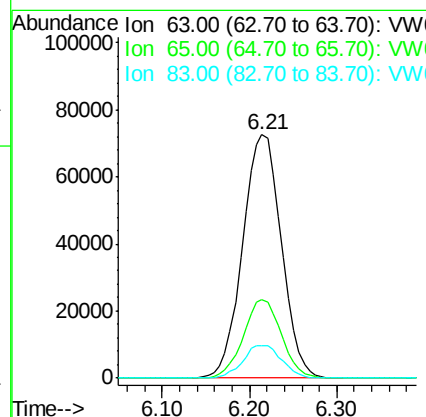
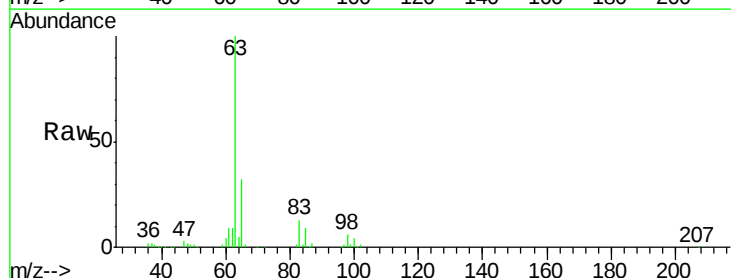
Tgt Ion: 63 Resp: 223417

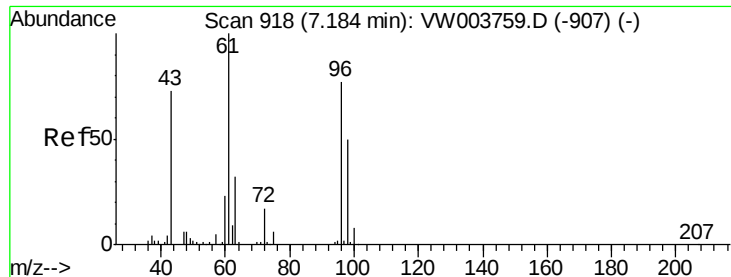
Ion Ratio Lower Upper

63 100

65 32.2 21.9 40.7

83 13.4 9.6 17.8





#21

2-Butanone

Concen: 43.525 ug/L

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

Instrument :

MSVOA_W

ClientSampled :

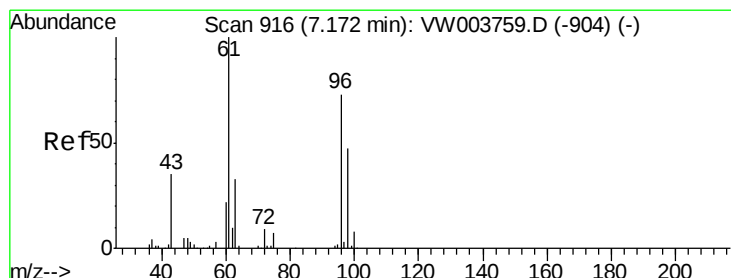
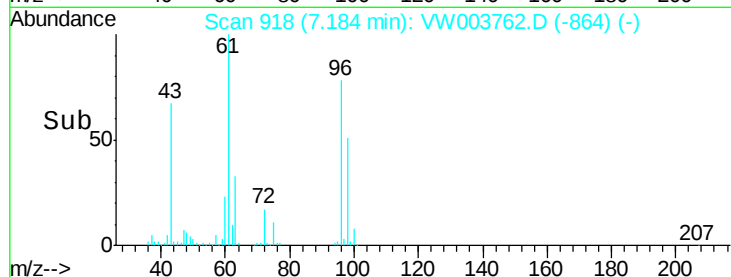
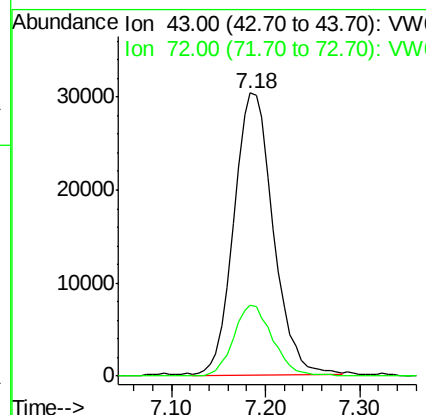
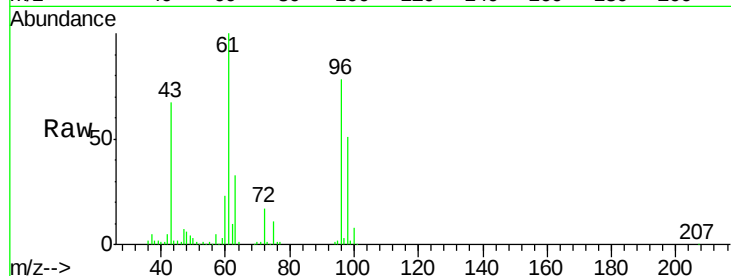
VICV92

Tgt Ion: 43 Resp: 88032

Ion Ratio Lower Upper

43 100

72 25.0 12.3 36.9



#22

cis-1,2-Dichloroethene

Concen: 23.495 ug/L

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

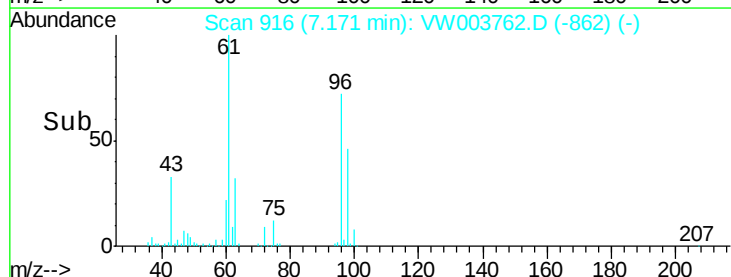
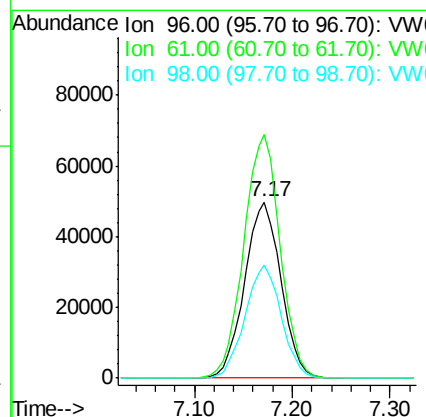
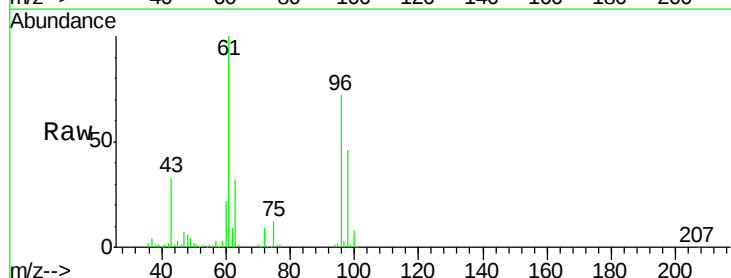
Tgt Ion: 96 Resp: 128377

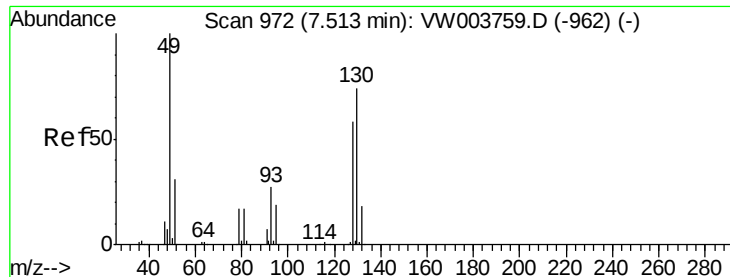
Ion Ratio Lower Upper

96 100

61 138.2 96.4 179.0

98 64.0 45.6 84.8





#23

Bromochloromethane

Concen: 23.567 ug/L

RT: 7.51 min Scan# 972

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

Instrument :

MSVOA_W

ClientSampleId :

VICV92

Tgt Ion:128 Resp: 59199

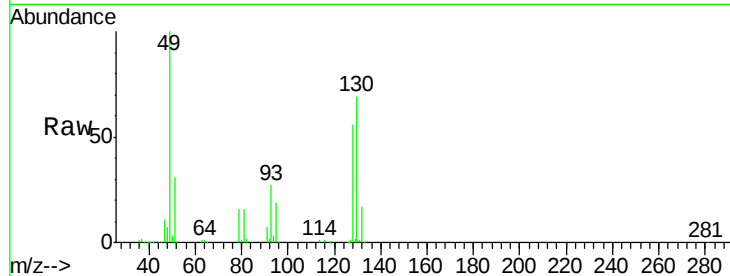
Ion Ratio Lower Upper

128 100

49 177.5 120.7 224.1

130 122.8 88.8 164.8

51 54.2 43.2 64.8

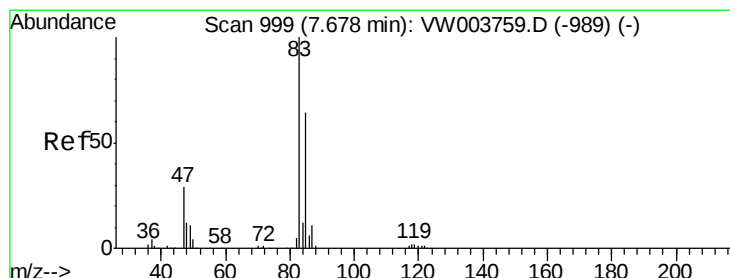
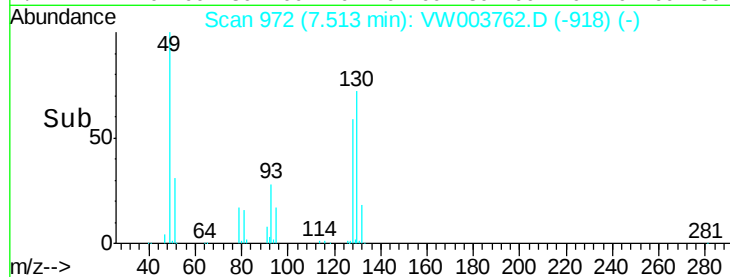
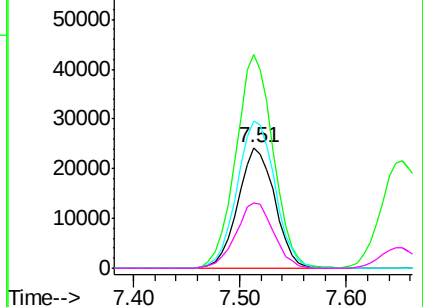


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW



#25

Chloroform

Concen: 23.317 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW003762.D

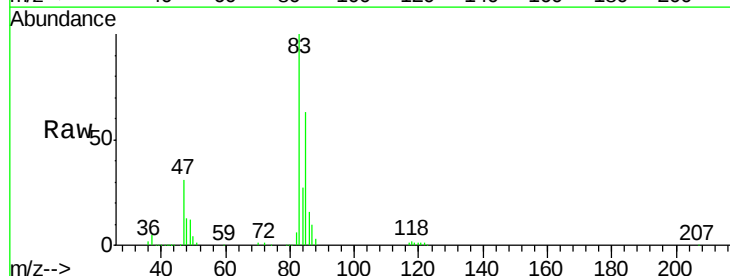
Acq: 07 Jul 2018 11:36

Tgt Ion: 83 Resp: 231758

Ion Ratio Lower Upper

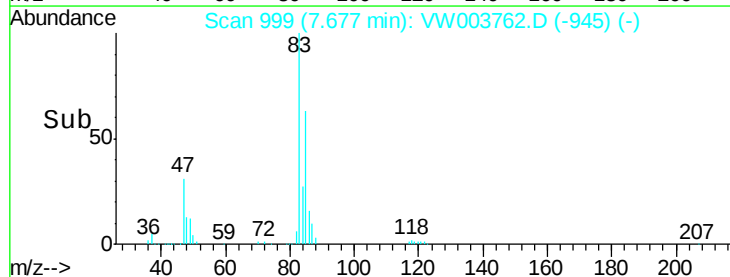
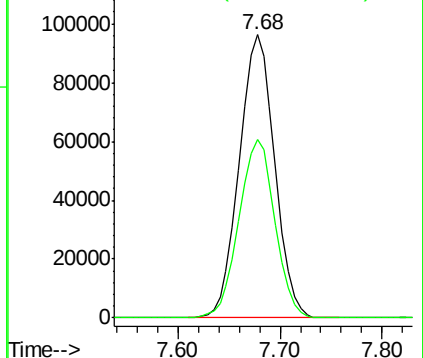
83 100

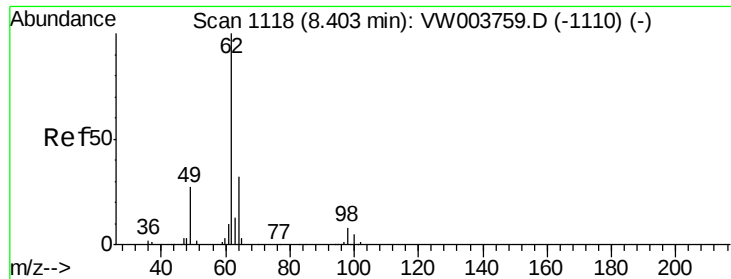
85 64.4 46.0 85.4



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW





#27

1,2-Dichloroethane

Concen: 23.145 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

Instrument :

MSVOA_W

ClientSampleId :

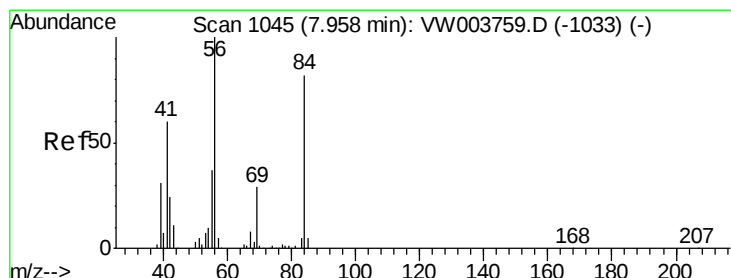
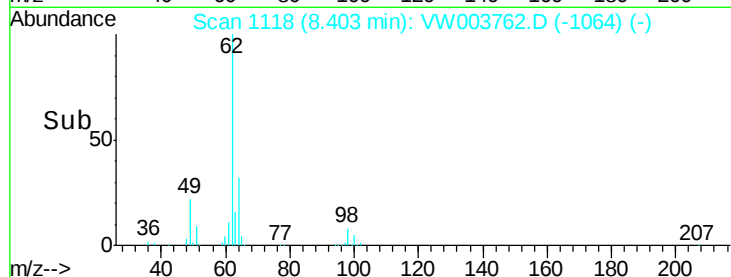
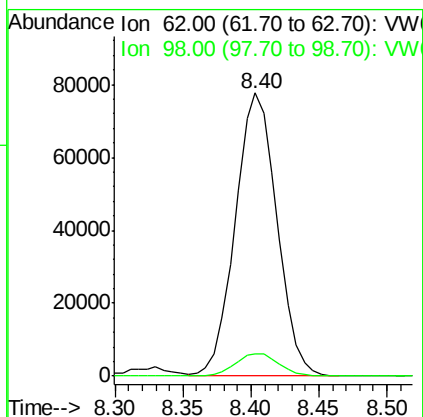
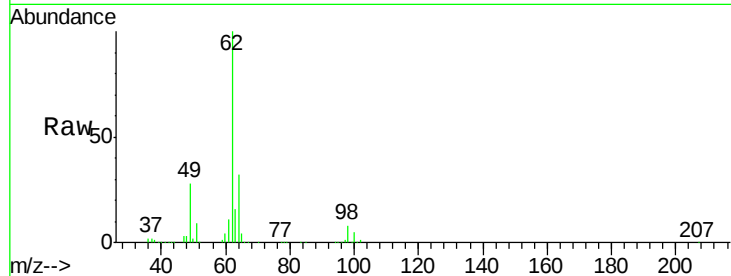
VICV92

Tgt Ion: 62 Resp: 165820

Ion Ratio Lower Upper

62 100

98 8.0 6.4 9.6



#30

Cyclohexane

Concen: 24.194 ug/L

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

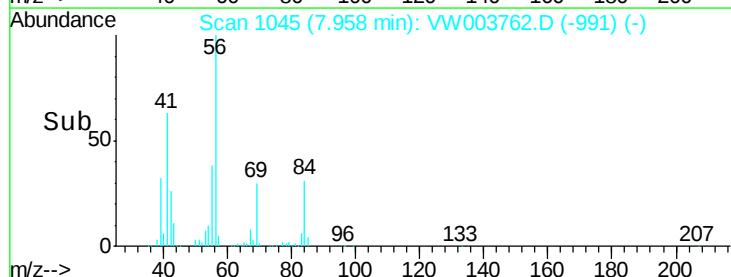
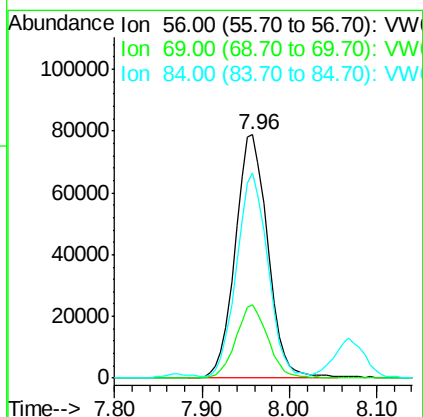
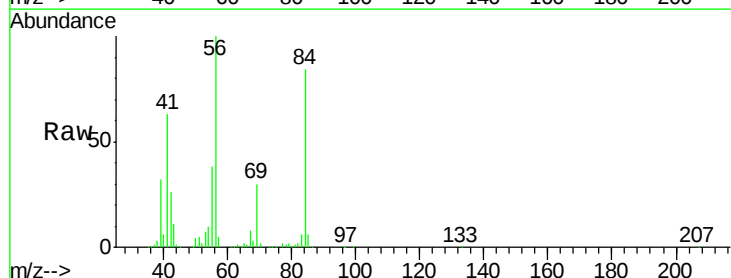
Tgt Ion: 56 Resp: 204967

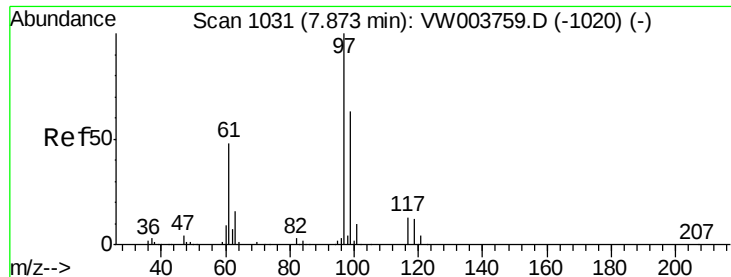
Ion Ratio Lower Upper

56 100

69 29.2 23.7 35.5

84 81.7 65.8 98.6





#31

1,1,1-Trichloroethane

Concen: 22.922 ug/L

RT: 7.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

Instrument :

MSVOA_W

ClientSampled :

VICV92

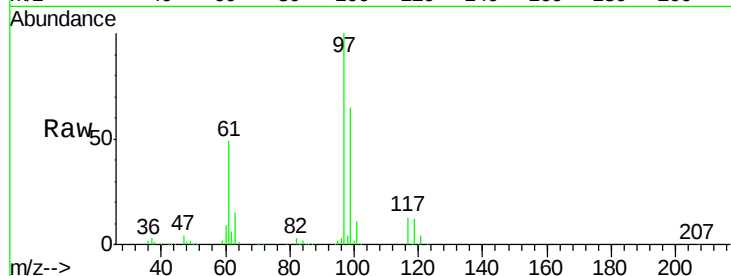
Tgt Ion: 97 Resp: 185434

Ion Ratio Lower Upper

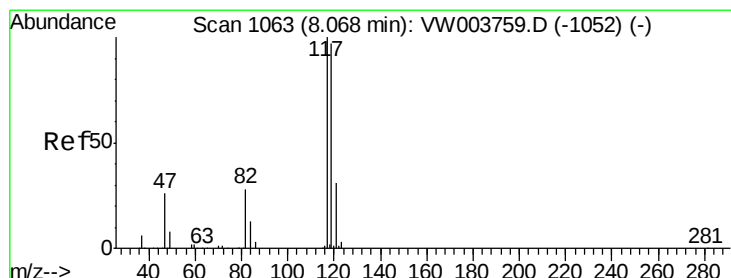
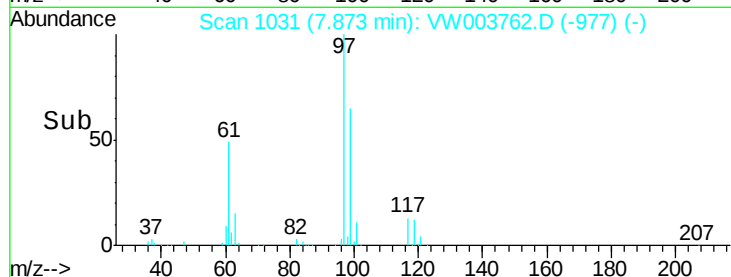
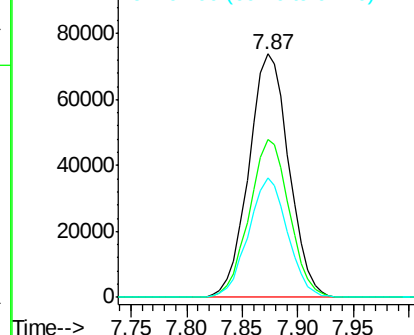
97 100

99 64.6 51.3 76.9

61 47.7 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: 23.211 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW003762.D

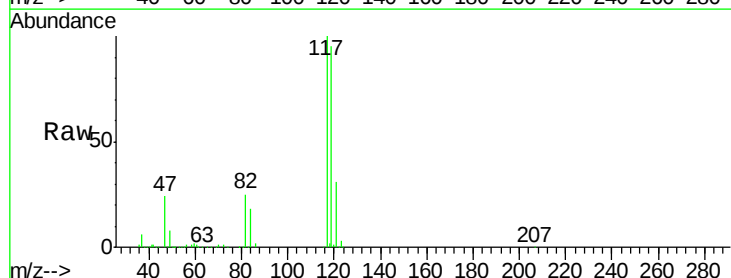
Acq: 07 Jul 2018 11:36

Tgt Ion: 117 Resp: 177709

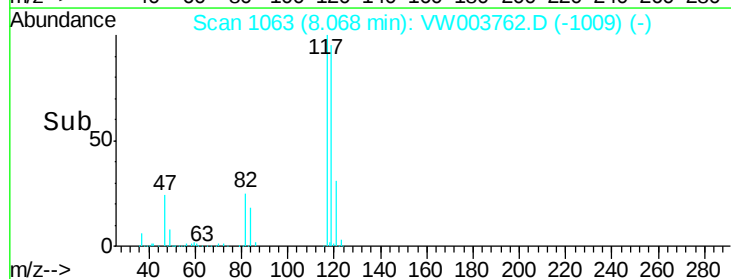
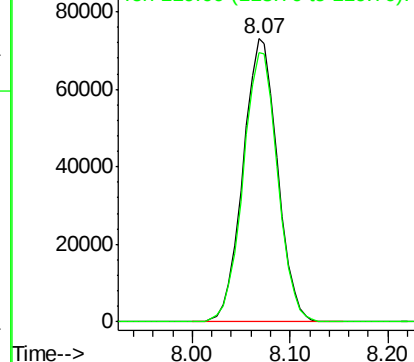
Ion Ratio Lower Upper

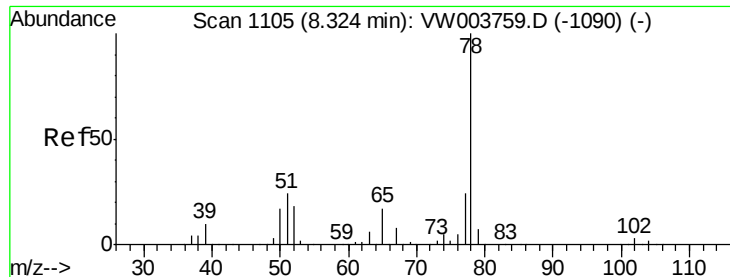
117 100

119 95.4 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: 23.727 ug/L

RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

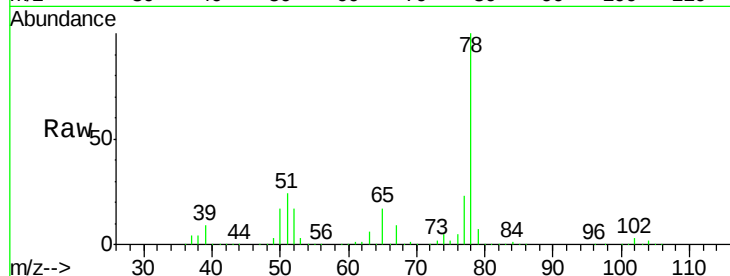
Instrument :

MSVOA_W

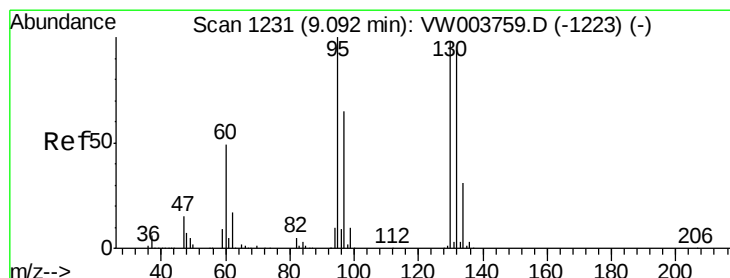
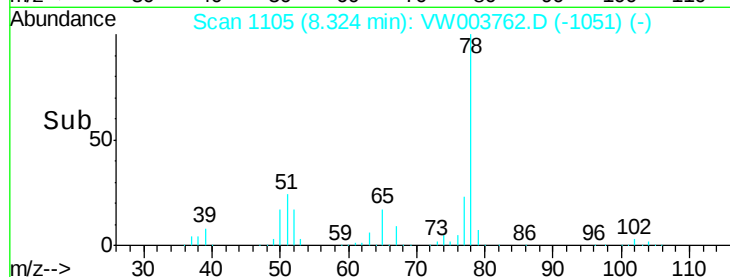
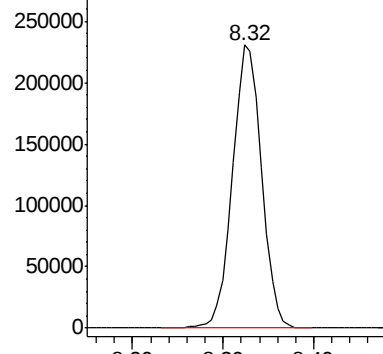
ClientSampleId :

VICV92

Tgt Ion: 78 Resp: 510383



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 22.933 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

Tgt Ion: 95 Resp: 132120

Ion	Ratio	Lower	Upper
95	100		
97	64.9	44.7	82.9
132	95.2	66.2	123.0
130	98.4	69.5	129.1

95 100

97 64.9 44.7 82.9

132 95.2 66.2 123.0

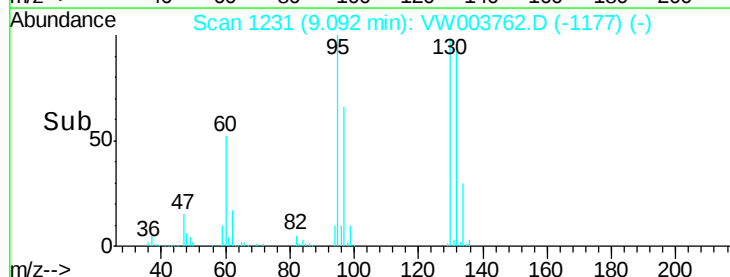
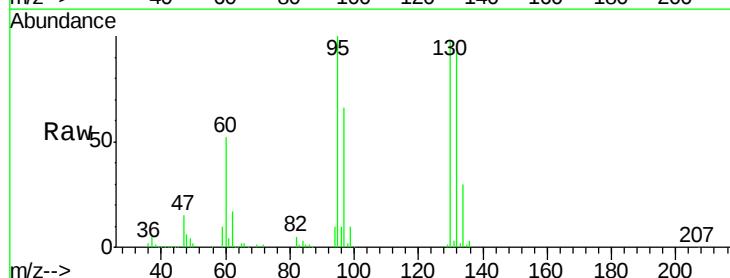
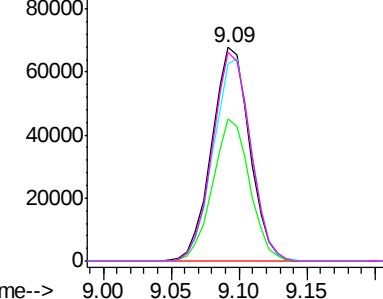
130 98.4 69.5 129.1

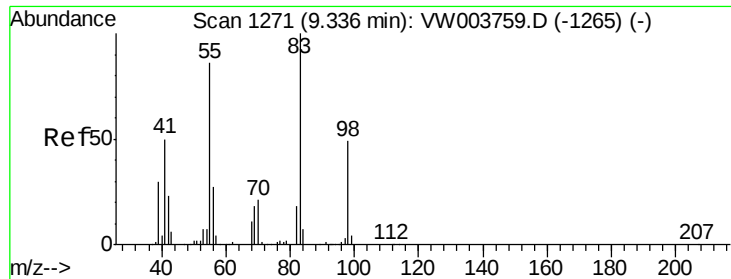
Abundance Ion 95.00 (94.70 to 95.70): VW

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

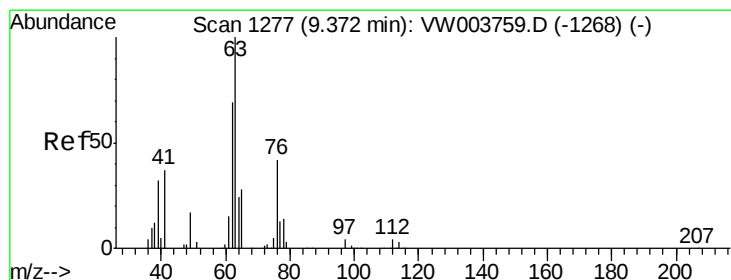
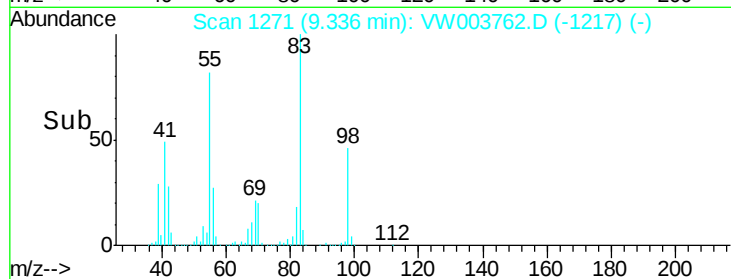
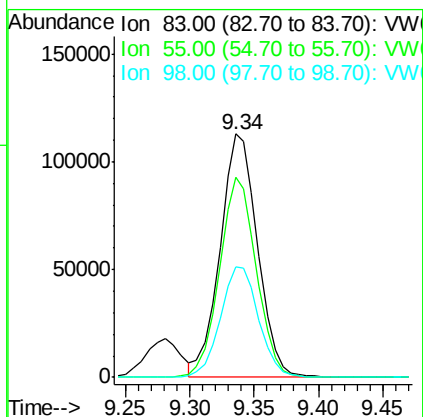
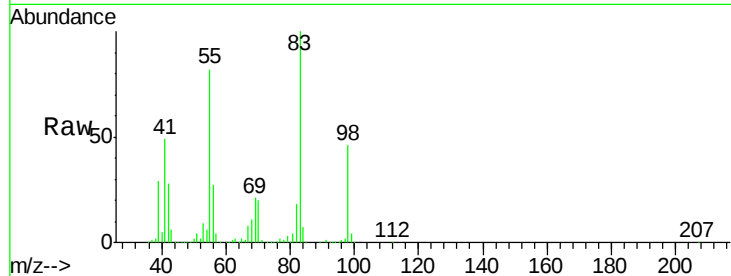




#36
Methylcyclohexane
Concen: 23.533 ug/L
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW003762.D
Acq: 07 Jul 2018 11:36

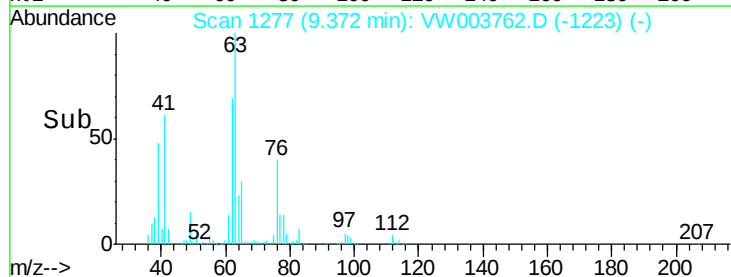
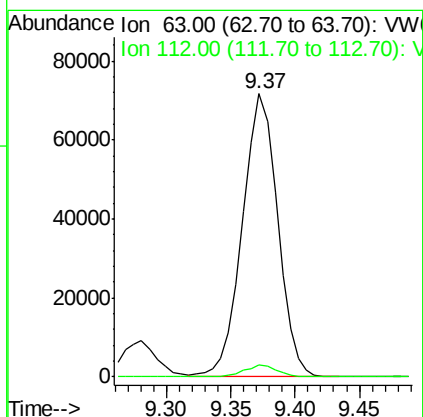
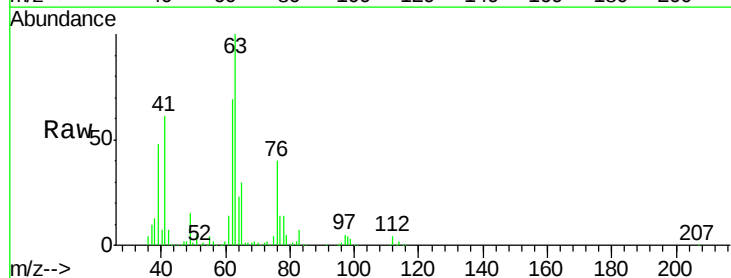
Instrument :
MSVOA_W
ClientSampled :
VICV92

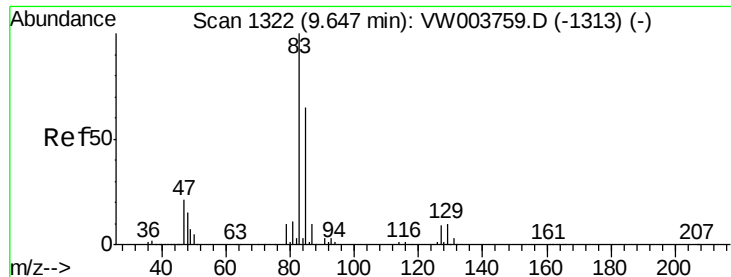
Tgt Ion: 83 Resp: 228558
Ion Ratio Lower Upper
83 100
55 81.1 65.0 97.4
98 46.4 37.0 55.6



#40
1,2-Dichloropropane
Concen: 23.841 ug/L
RT: 9.37 min Scan# 1277
Delta R.T. -0.00 min
Lab File: VW003762.D
Acq: 07 Jul 2018 11:36

Tgt Ion: 63 Resp: 136449
Ion Ratio Lower Upper
63 100
112 4.0 3.3 4.9

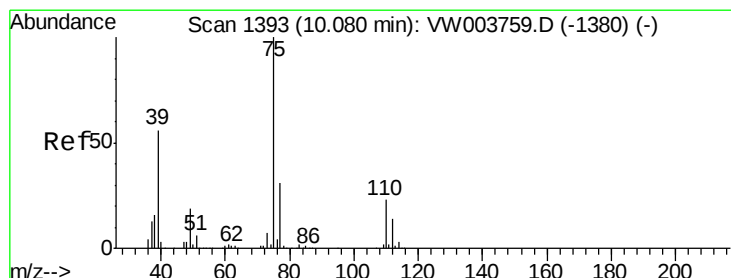
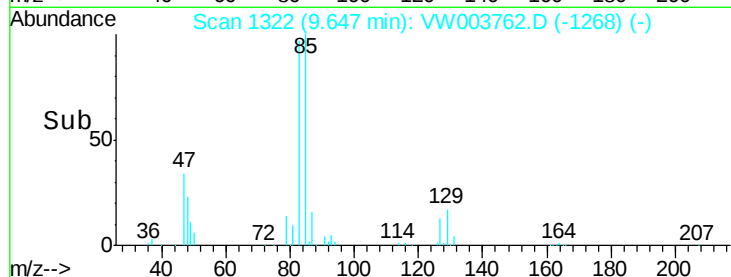
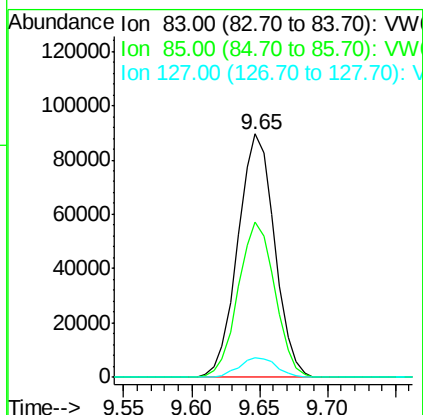
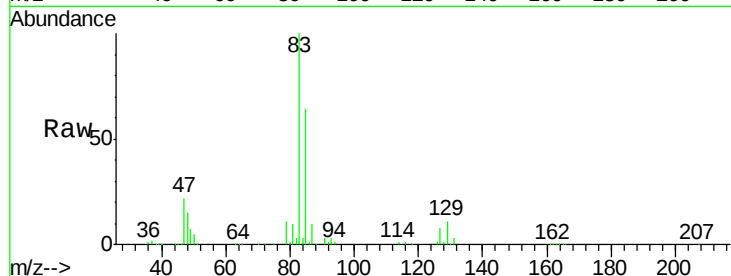




#41
 Bromodichloromethane
 Concen: 23.398 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW003762.D
 Acq: 07 Jul 2018 11:36

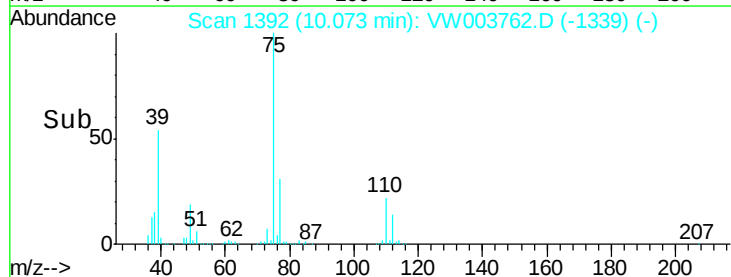
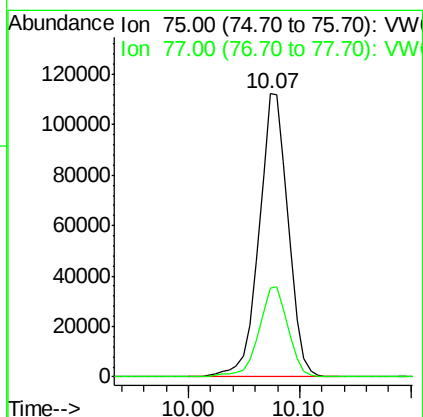
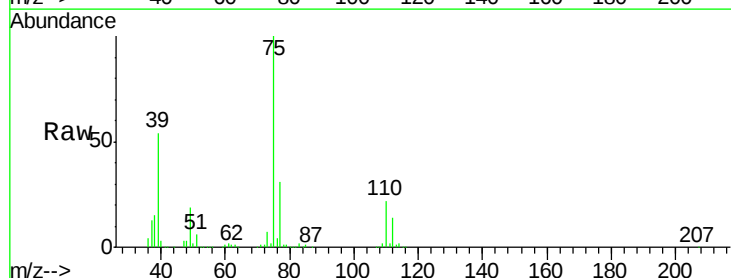
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV92

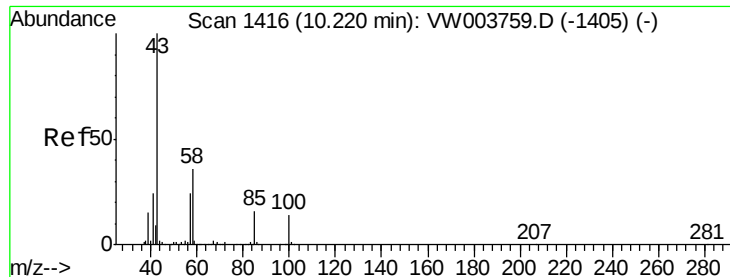
Tgt Ion: 83 Resp: 169332
 Ion Ratio Lower Upper
 83 100
 85 64.0 45.1 83.9
 127 8.1 6.8 10.2



#42
 cis-1,3-Dichloropropene
 Concen: 24.180 ug/L
 RT: 10.07 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VW003762.D
 Acq: 07 Jul 2018 11:36

Tgt Ion: 75 Resp: 204866
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.6 40.0

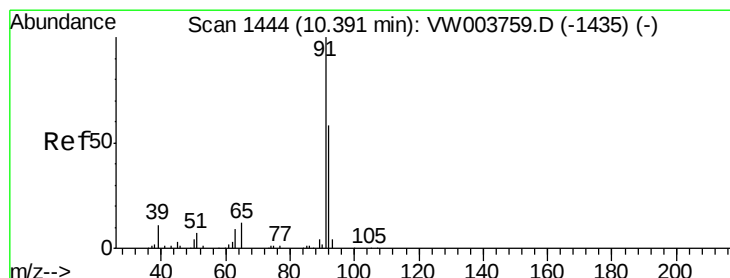
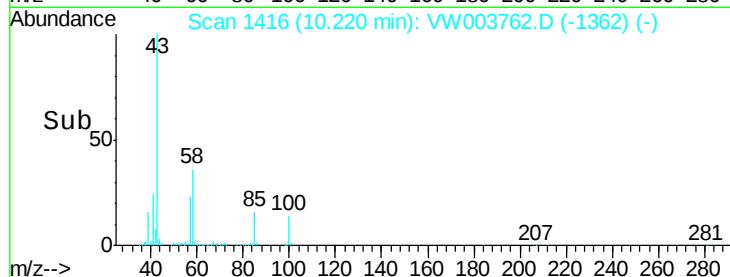
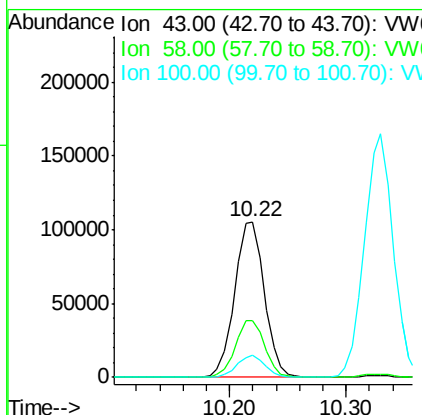
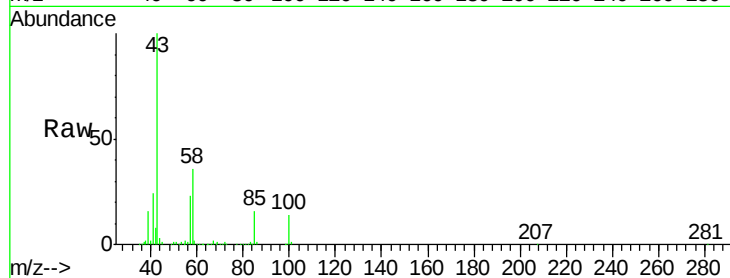




#43
4-Methyl-2-pentanone
Concen: 47.399 ug/L
RT: 10.22 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VW003762.D
Acq: 07 Jul 2018 11:36

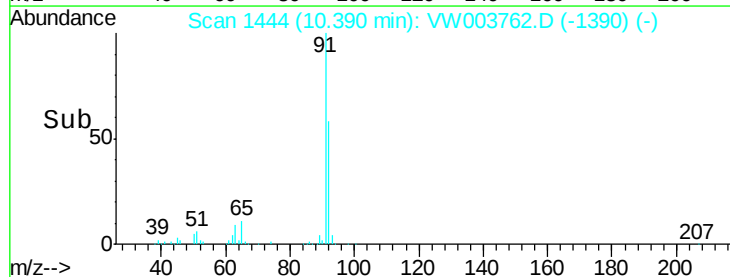
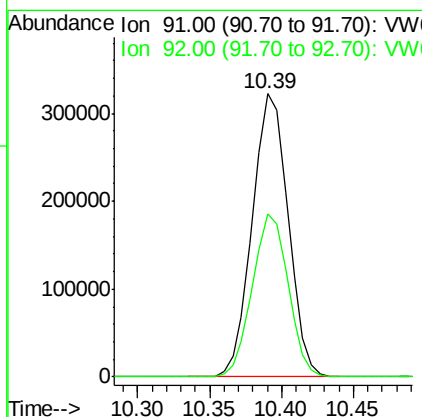
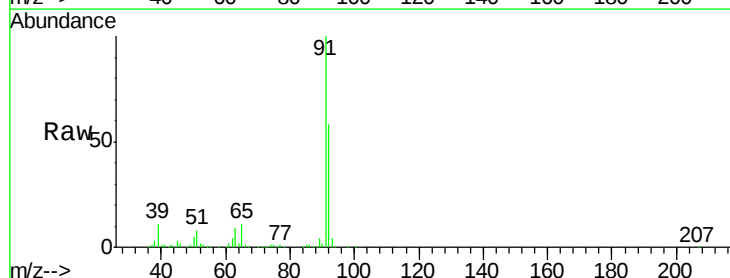
Instrument :
MSVOA_W
ClientSampled :
VICV92

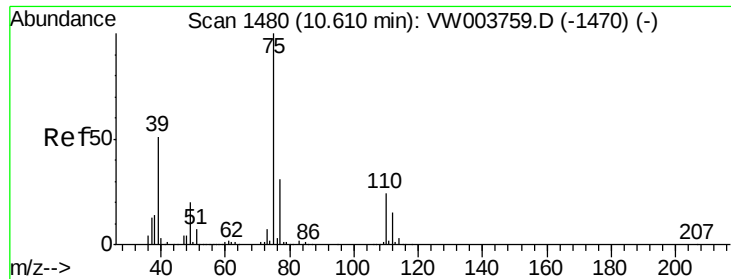
Tgt Ion: 43 Resp: 188684
Ion Ratio Lower Upper
43 100
58 35.8 29.0 43.4
100 13.2 10.7 16.1



#44
Toluene
Concen: 24.127 ug/L
RT: 10.39 min Scan# 1444
Delta R.T. -0.00 min
Lab File: VW003762.D
Acq: 07 Jul 2018 11:36

Tgt Ion: 91 Resp: 554894
Ion Ratio Lower Upper
91 100
92 57.8 40.5 75.3





#45

trans-1,3-Dichloropropene

Concen: 23.933 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

Instrument :

MSVOA_W

ClientSampleId :

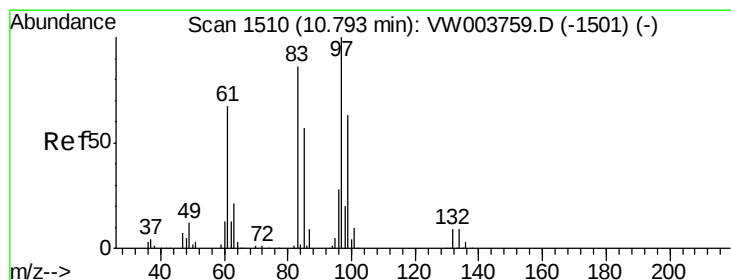
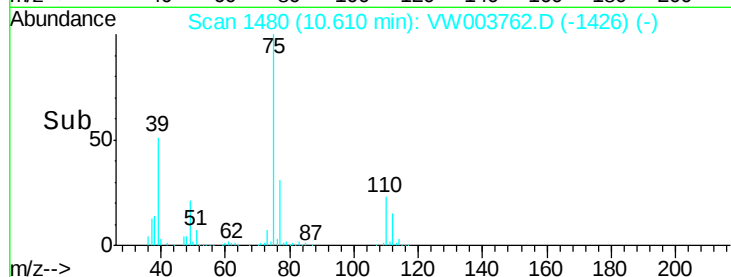
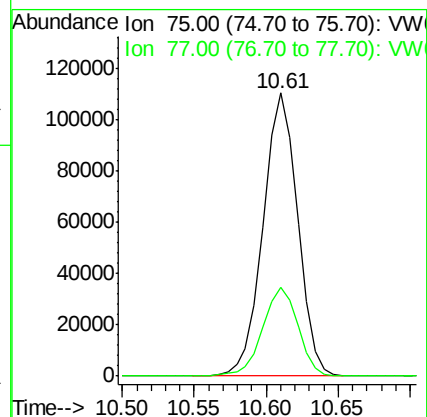
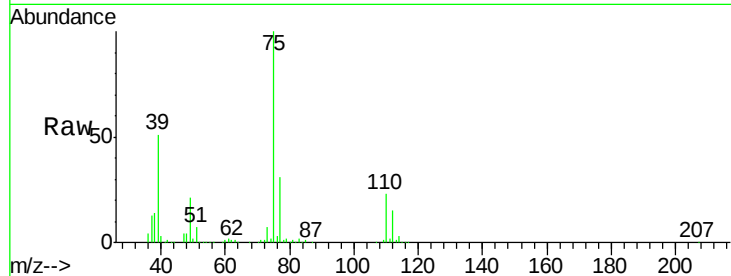
VICV92

Tgt Ion: 75 Resp: 184266

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.4



#46

1,1,2-Trichloroethane

Concen: 23.033 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

Tgt Ion: 97 Resp: 97879

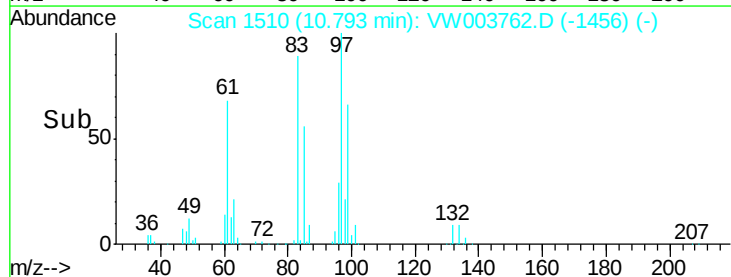
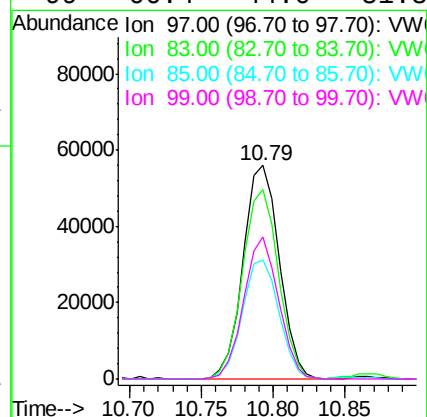
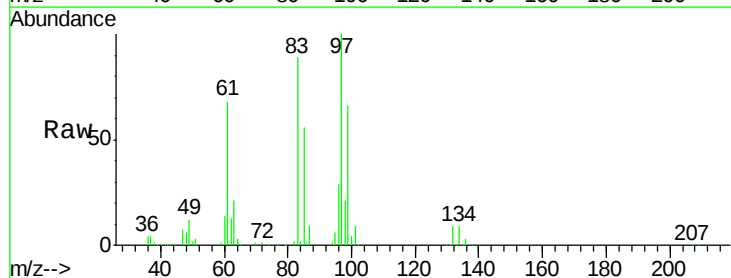
Ion Ratio Lower Upper

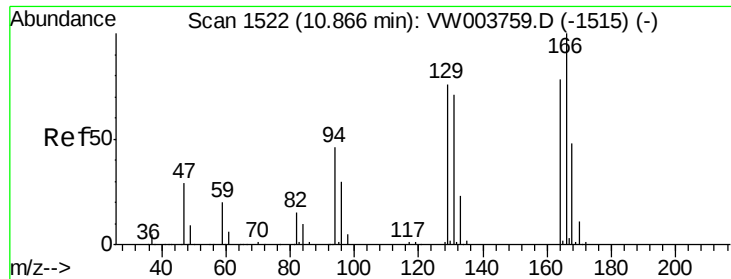
97 100

83 88.9 60.1 111.5

85 55.6 40.0 74.2

99 66.4 44.0 81.8

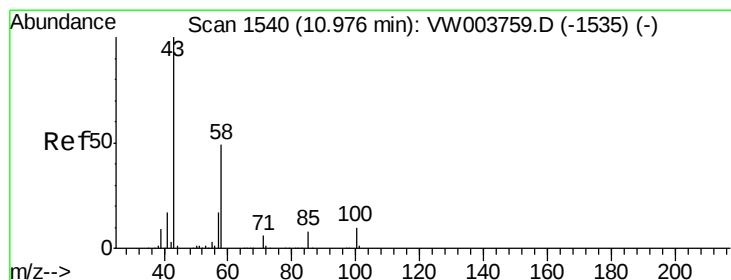
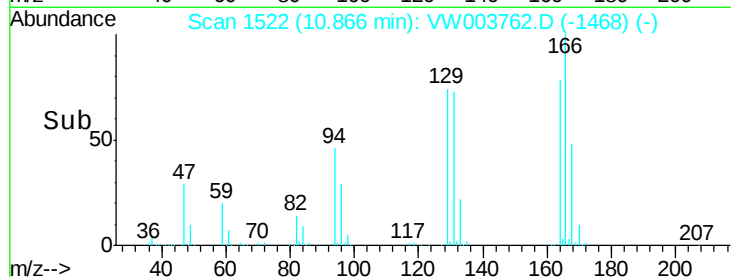
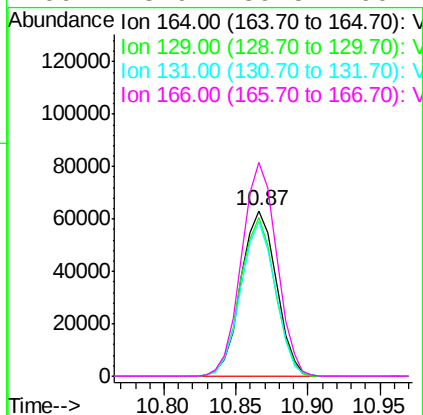
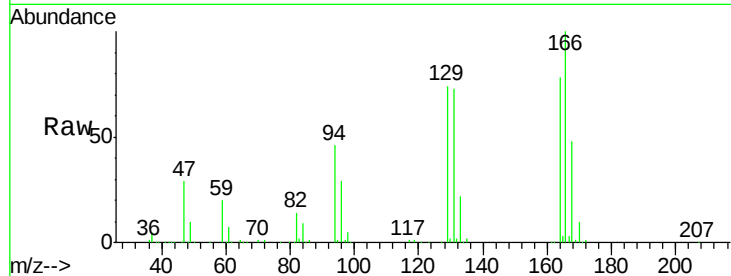




#47
Tetrachloroethene
Concen: 23.051 ug/L
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003762.D
Acq: 07 Jul 2018 11:36

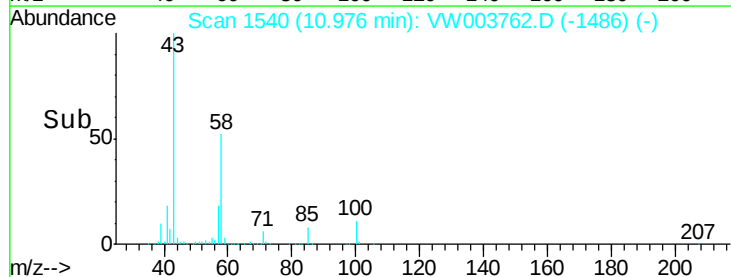
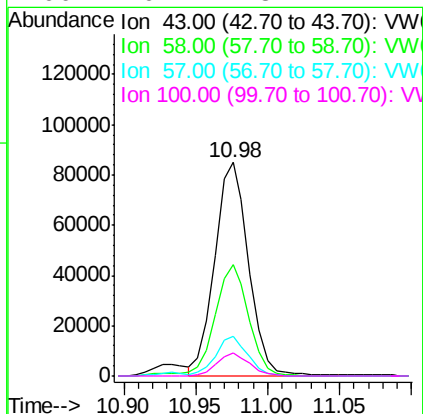
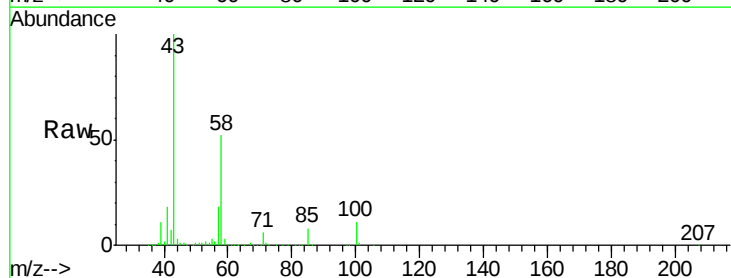
Instrument :
MSVOA_W
ClientSampled :
VICV92

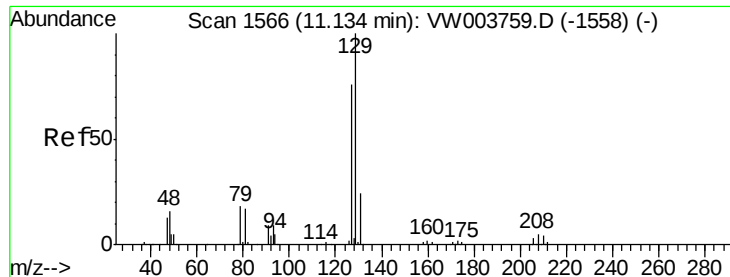
Tgt Ion:164 Resp: 108046
Ion Ratio Lower Upper
164 100
129 95.6 68.3 126.8
131 93.8 63.8 118.4
166 128.9 89.5 166.1



#49
2-Hexanone
Concen: 46.249 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003762.D
Acq: 07 Jul 2018 11:36

Tgt Ion: 43 Resp: 139408
Ion Ratio Lower Upper
43 100
58 51.3 39.5 59.3
57 17.8 13.8 20.8
100 10.4 8.2 12.2





#50

Dibromochloromethane

Concen: 23.860 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

Instrument :

MSVOA_W

ClientSampleId :

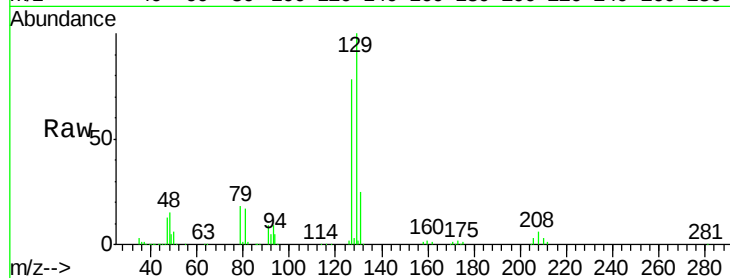
VICV92

Tgt Ion:129 Resp: 120822

Ion Ratio Lower Upper

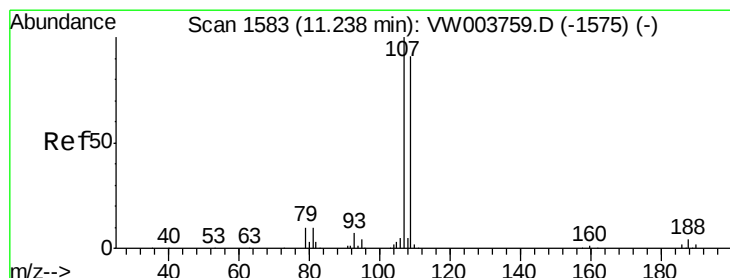
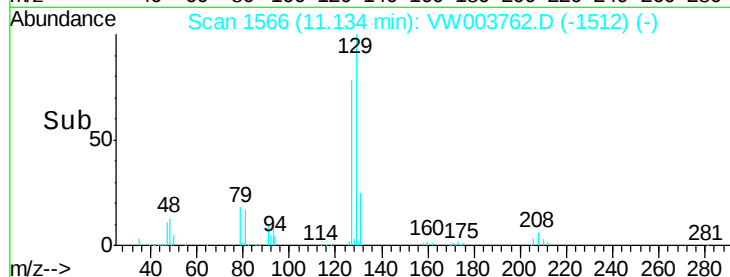
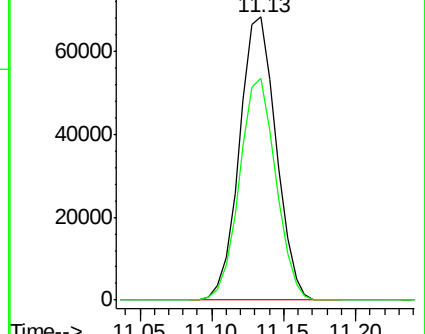
129 100

127 78.3 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: 23.458 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

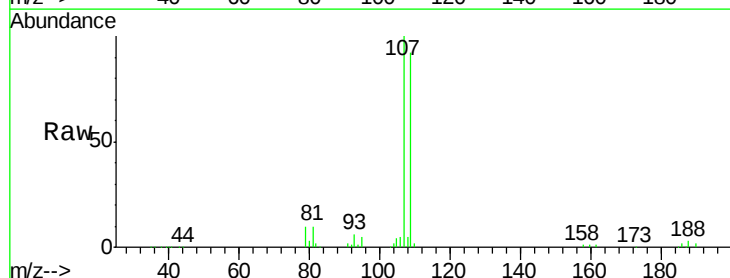
Tgt Ion:107 Resp: 97112

Ion Ratio Lower Upper

107 100

109 92.4 63.7 118.3

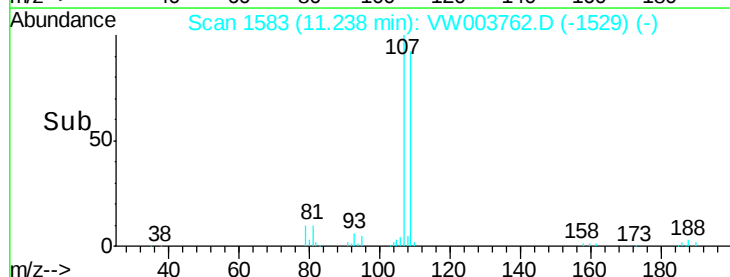
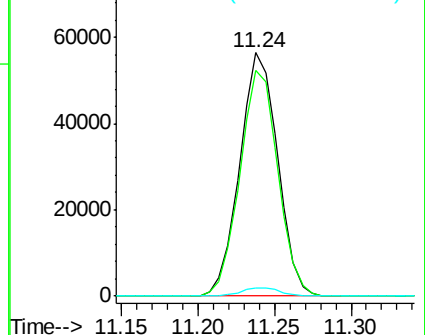
188 3.3 2.9 4.3

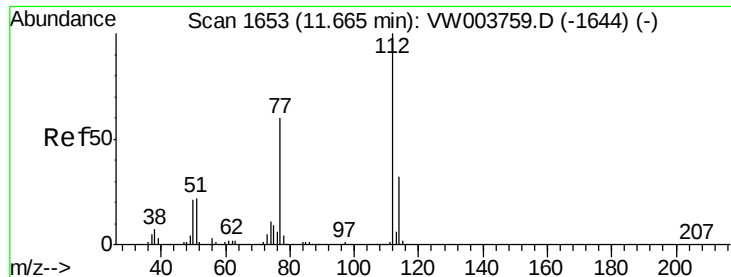


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 23.450 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

Instrument :

MSVOA_W

ClientSampleId :

VICV92

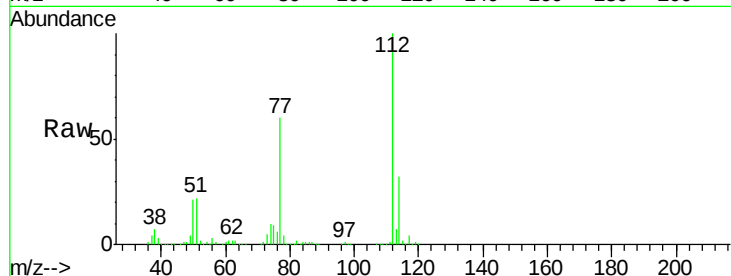
Tgt Ion: 112 Resp: 351815

Ion Ratio Lower Upper

112 100

77 60.2 47.9 71.9

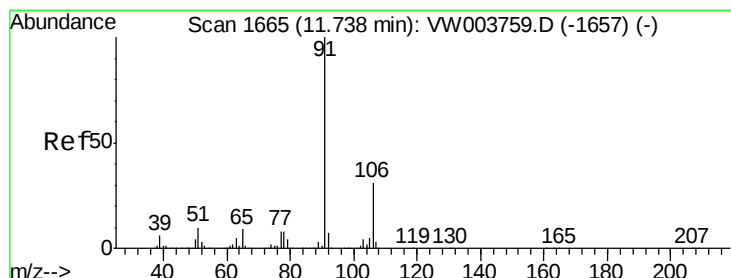
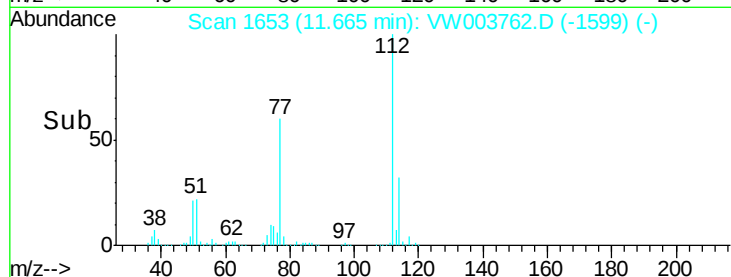
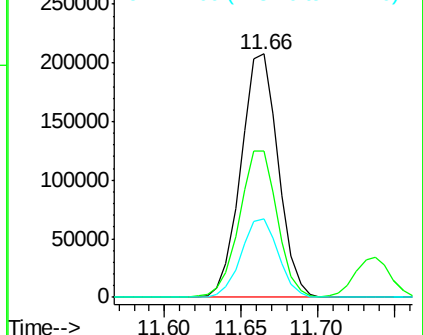
114 32.4 22.7 42.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 24.001 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW003762.D

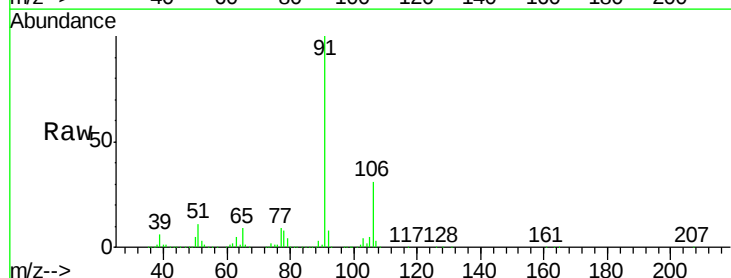
Acq: 07 Jul 2018 11:36

Tgt Ion: 91 Resp: 625343

Ion Ratio Lower Upper

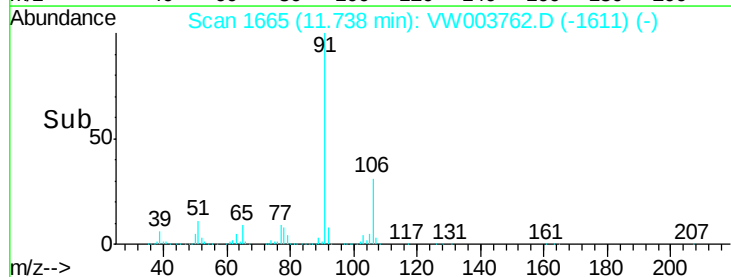
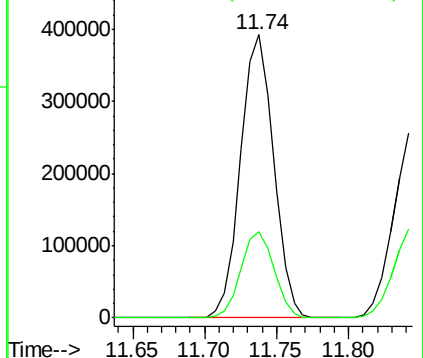
91 100

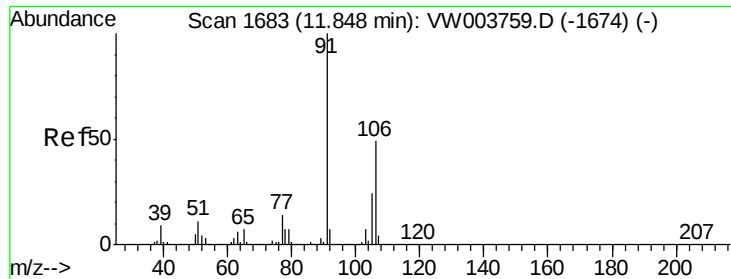
106 30.7 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 24.713 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

Instrument :

MSVOA_W

ClientSampled :

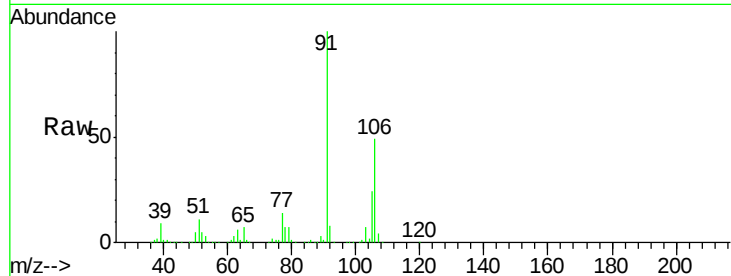
VICV92

Tgt Ion:106 Resp: 236767

Ion Ratio Lower Upper

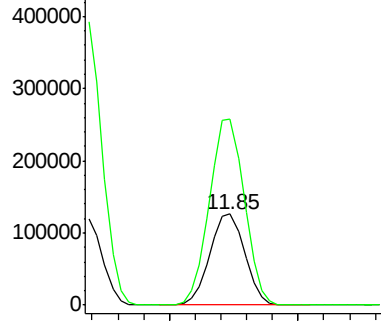
106 100

91 204.7 142.9 265.3

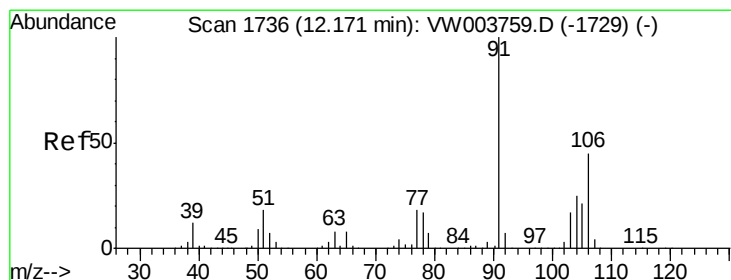
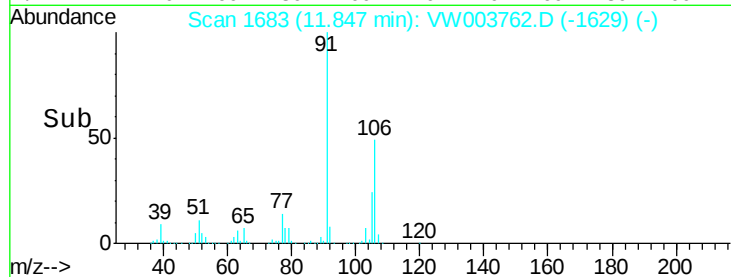


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time-->



#55

o-xylene

Concen: 24.644 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW003762.D

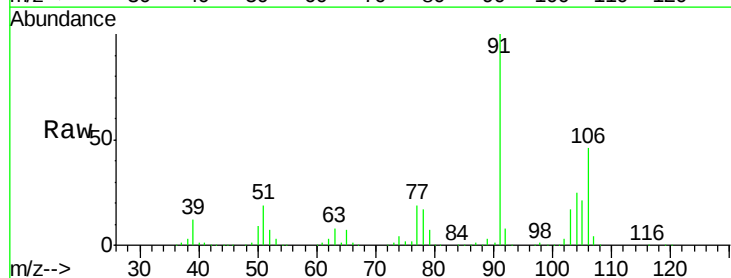
Acq: 07 Jul 2018 11:36

Tgt Ion:106 Resp: 222385

Ion Ratio Lower Upper

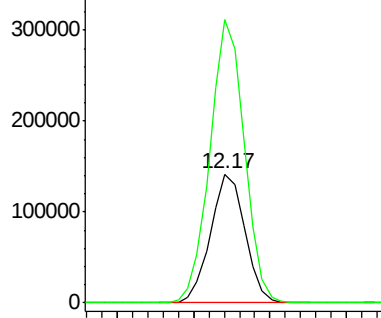
106 100

91 219.3 154.1 286.3

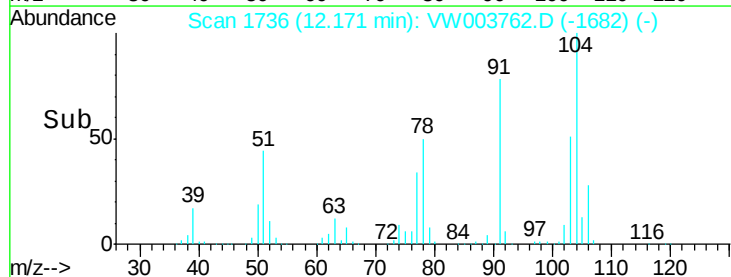


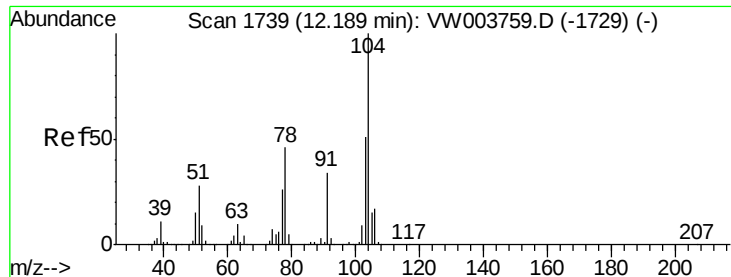
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time-->





#56

Styrene

Concen: 24.894 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

Instrument :

MSVOA_W

ClientSampled :

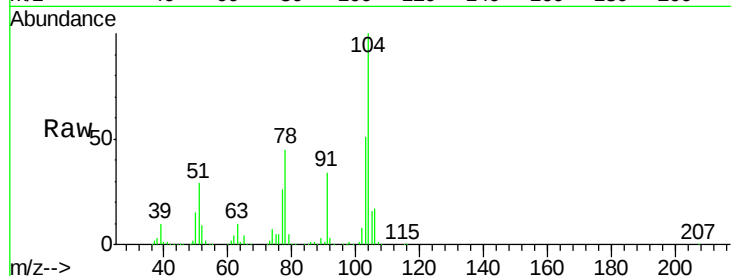
VICV92

Tgt Ion:104 Resp: 389714

Ion Ratio Lower Upper

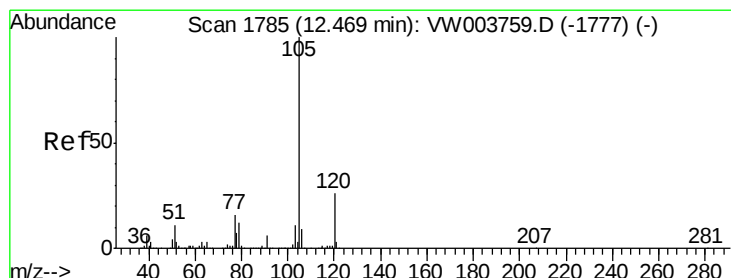
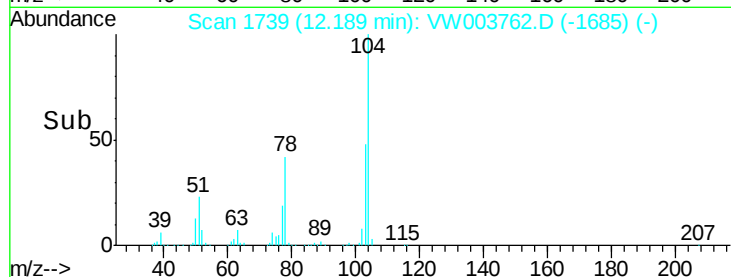
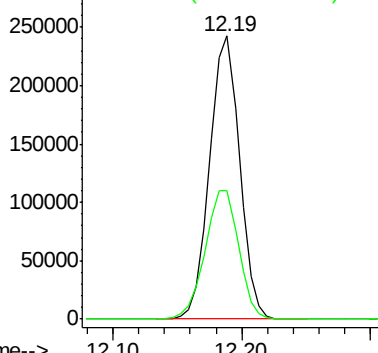
104 100

78 45.4 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: 24.374 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

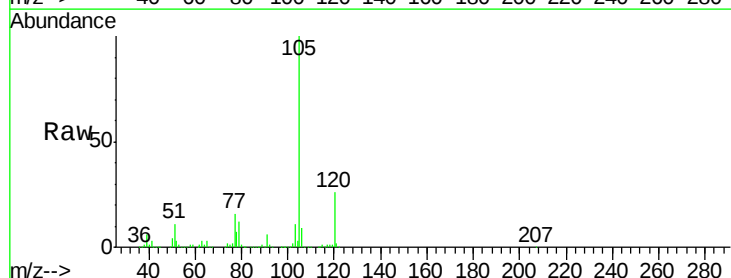
Tgt Ion:105 Resp: 611058

Ion Ratio Lower Upper

105 100

120 26.2 20.9 31.3

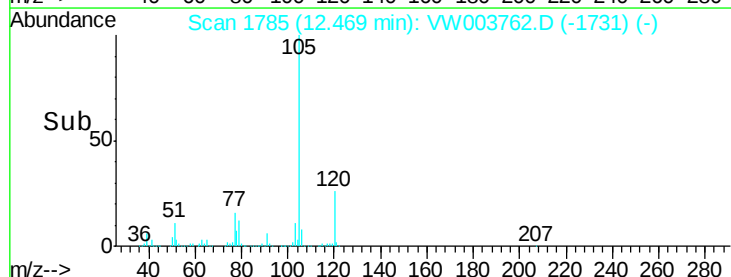
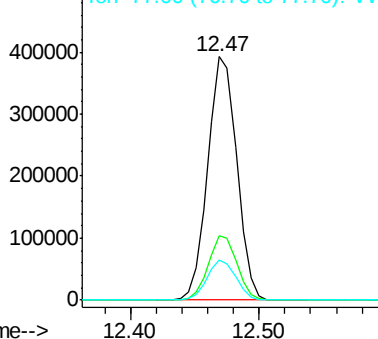
77 16.3 13.0 19.6

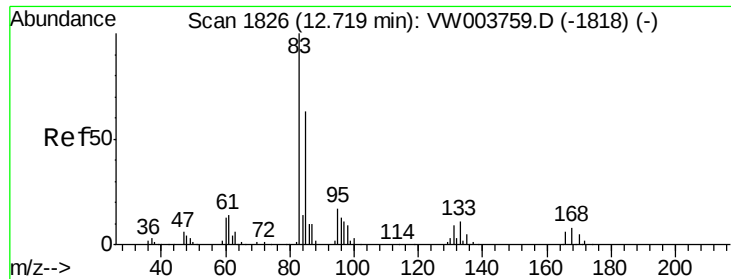


Abundance Ion 105.00 (104.70 to 105.70): V

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: 22.974 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

Instrument :

MSVOA_W

ClientSampleId :

VICV92

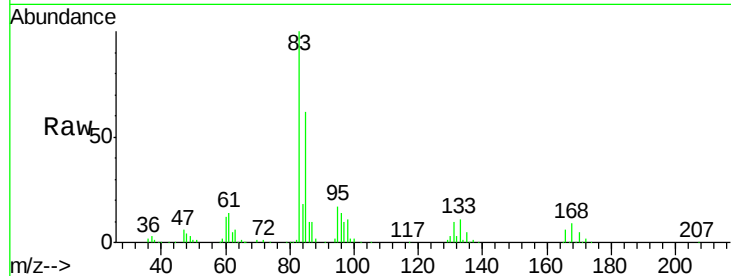
Tgt Ion: 83 Resp: 128173

Ion Ratio Lower Upper

83 100

85 62.4 44.2 82.0

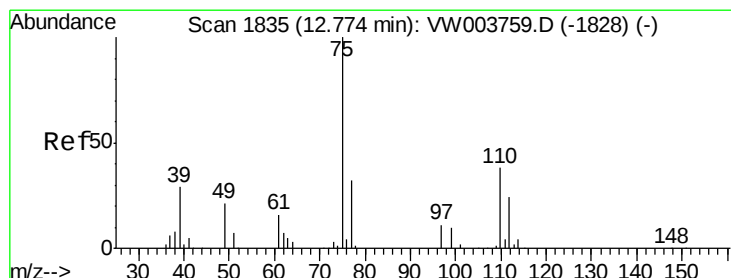
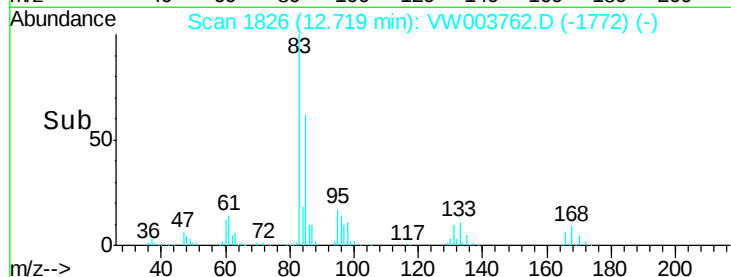
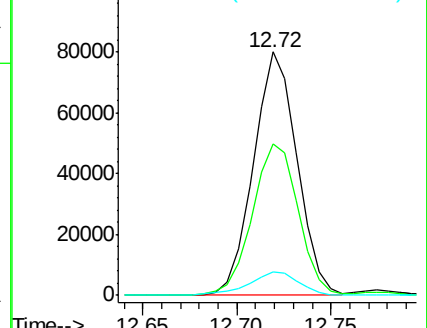
131 9.7 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW



#59

1,2,3-Trichloropropane

Concen: 22.510 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW003762.D

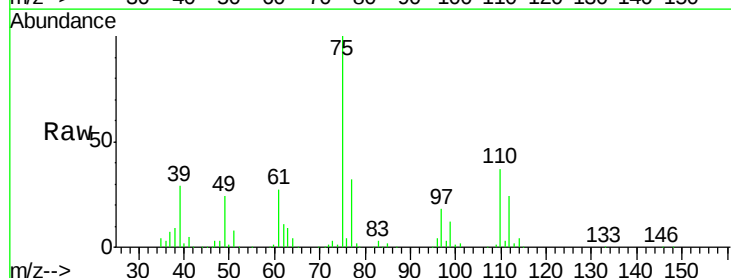
Acq: 07 Jul 2018 11:36

Tgt Ion: 75 Resp: 95910

Ion Ratio Lower Upper

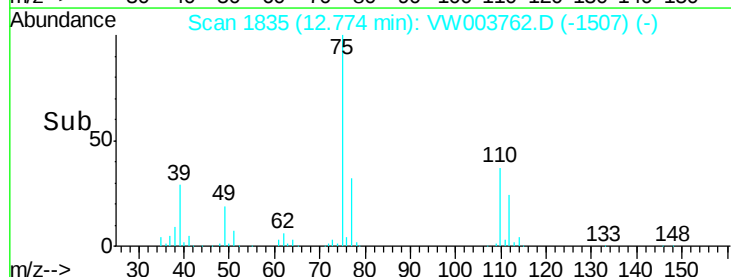
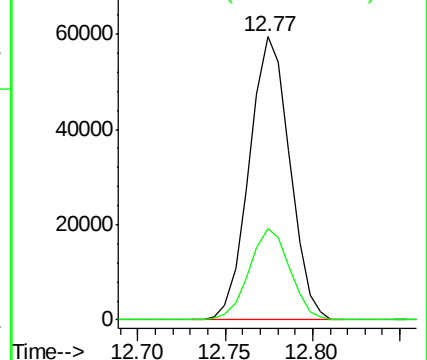
75 100

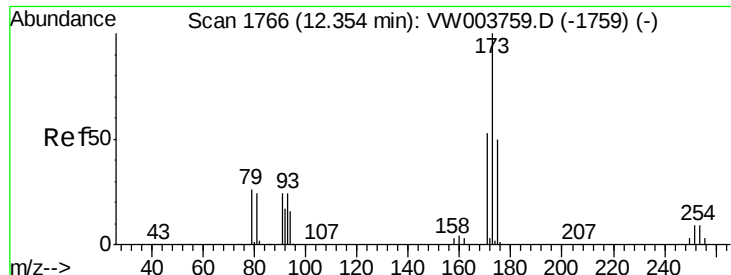
77 32.5 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

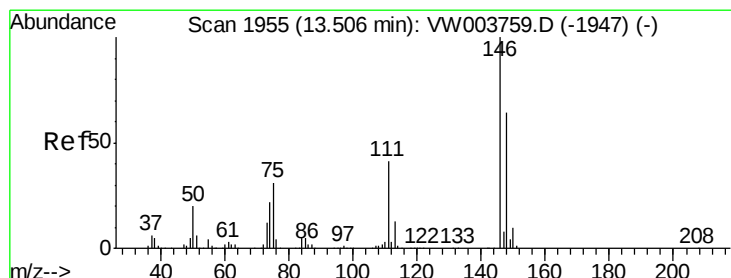
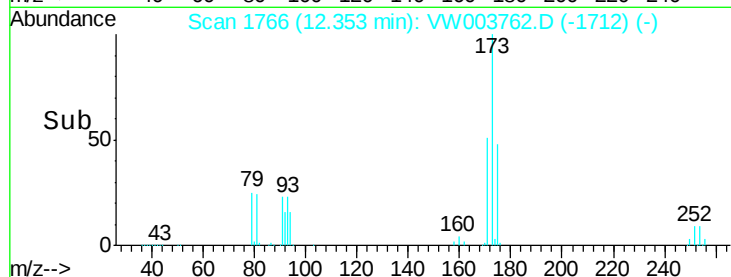
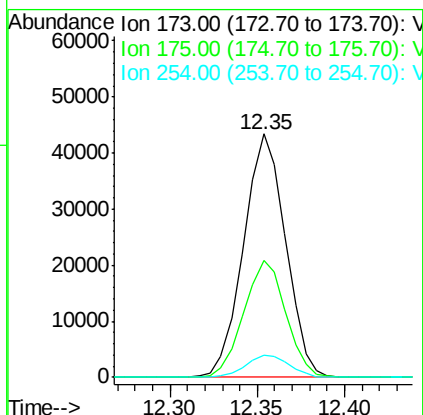
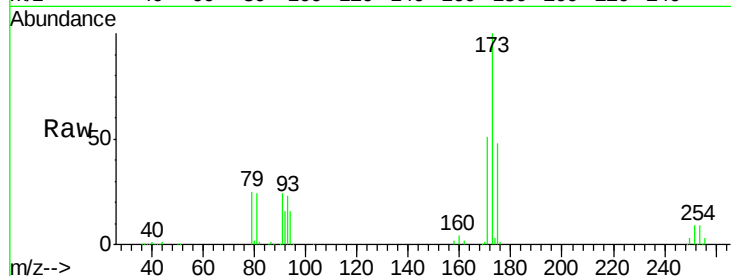




#62
Bromoform
Concen: 23.443 ug/L
RT: 12.35 min Scan# 1766
Delta R.T. -0.00 min
Lab File: VW003762.D
Acq: 07 Jul 2018 11:36

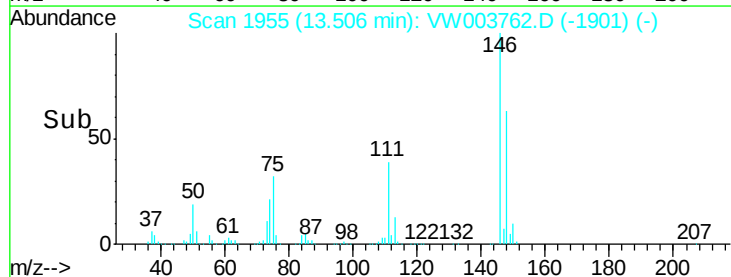
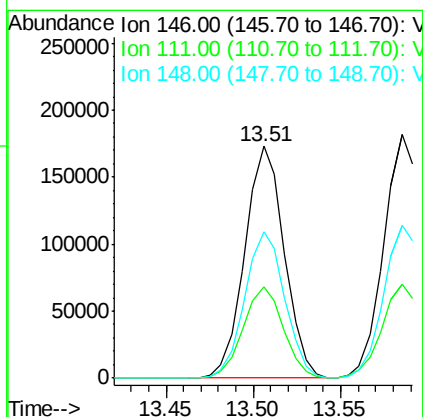
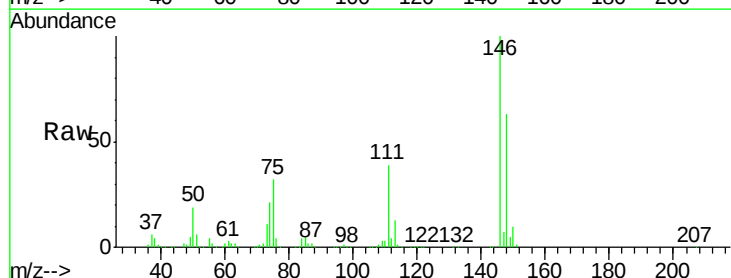
Instrument :
MSVOA_W
ClientSampled :
VICV92

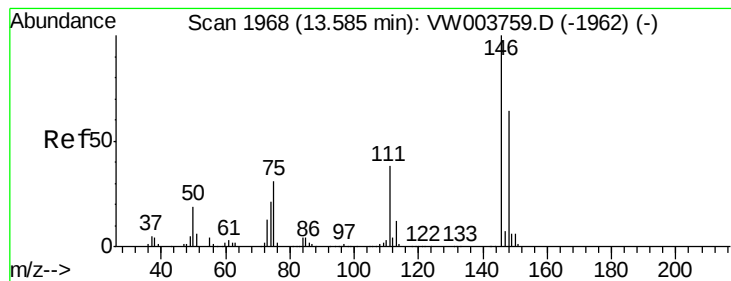
Tgt Ion:173 Resp: 72429
Ion Ratio Lower Upper
173 100
175 48.3 38.7 58.1
254 9.4 7.7 11.5



#63
1,3-Dichlorobenzene
Concen: 23.740 ug/L
RT: 13.51 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW003762.D
Acq: 07 Jul 2018 11:36

Tgt Ion:146 Resp: 271507
Ion Ratio Lower Upper
146 100
111 39.4 28.3 52.7
148 63.2 45.1 83.7





#64

1,4-Dichlorobenzene

Concen: 23.535 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

Instrument :

MSVOA_W

ClientSampleId :

VICV92

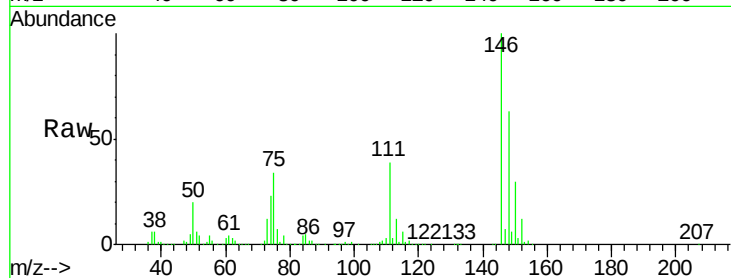
Tgt Ion:146 Resp: 284856

Ion Ratio Lower Upper

146 100

111 38.8 26.9 50.1

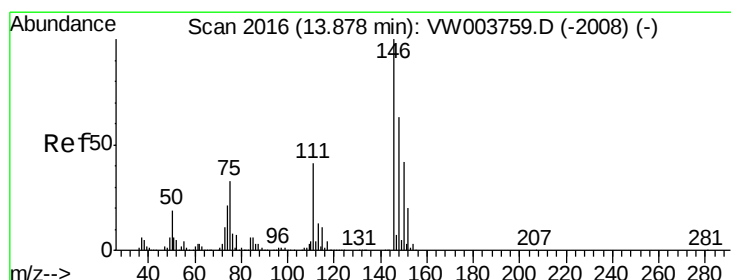
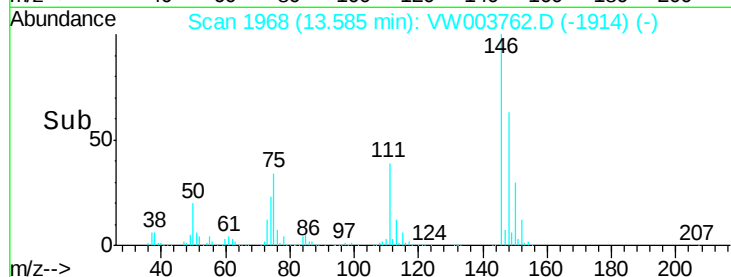
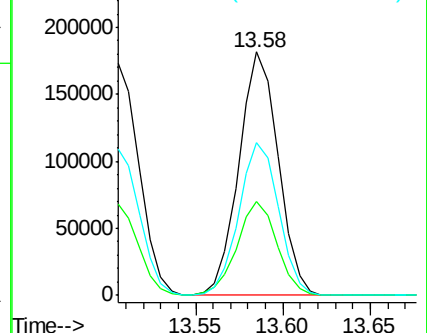
148 62.7 44.6 82.8



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: 23.570 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

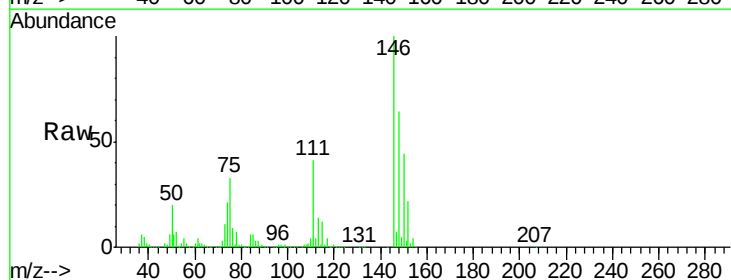
Tgt Ion:146 Resp: 259994

Ion Ratio Lower Upper

146 100

111 41.4 32.6 48.8

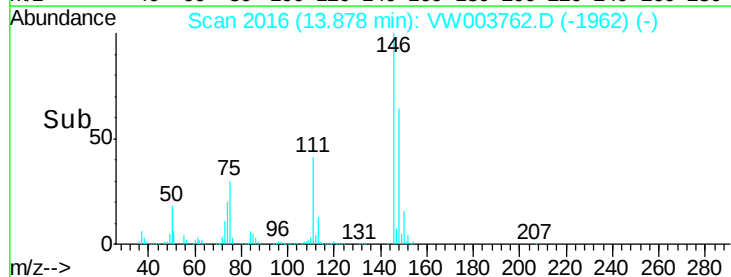
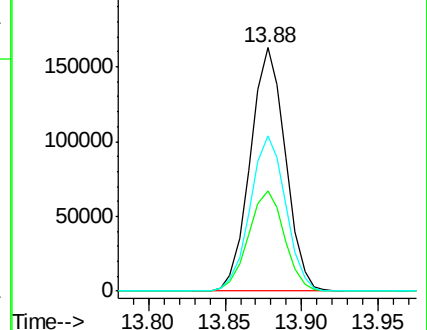
148 64.0 50.3 75.5

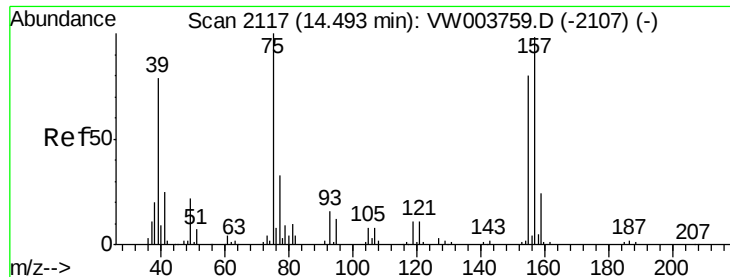


Abundance Ion 146.00 (145.70 to 146.70): V

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: 22.260 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

Instrument :

MSVOA_W

ClientSampleId :

VICV92

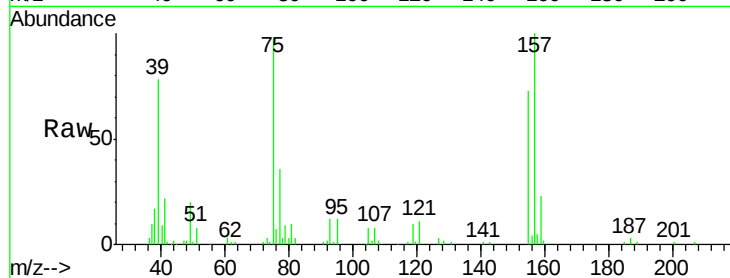
Tgt Ion: 75 Resp: 21730

Ion Ratio Lower Upper

75 100

157 102.0 78.6 118.0

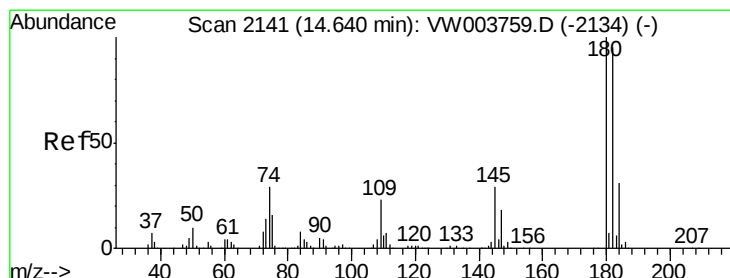
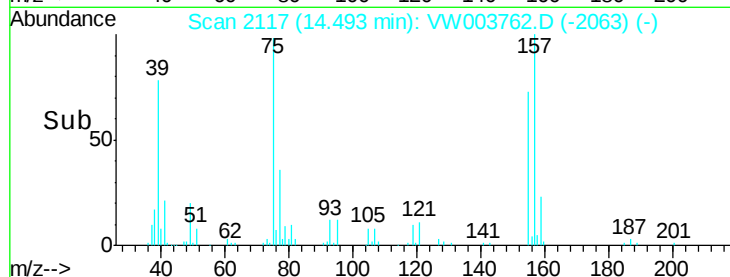
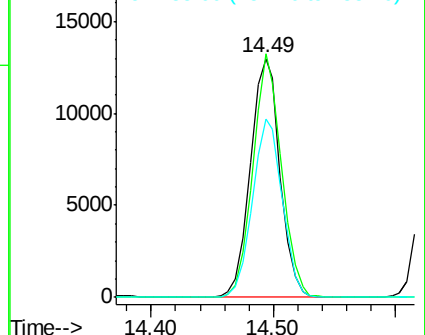
155 74.9 63.7 95.5



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: 23.896 ug/L

RT: 14.64 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VW003762.D

Acq: 07 Jul 2018 11:36

Tgt Ion: 180 Resp: 213571

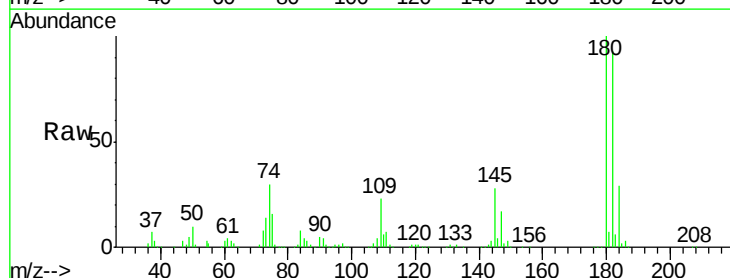
Ion Ratio Lower Upper

180 100

182 94.3 75.7 113.5

184 29.9 24.4 36.6

145 28.9 23.5 35.3

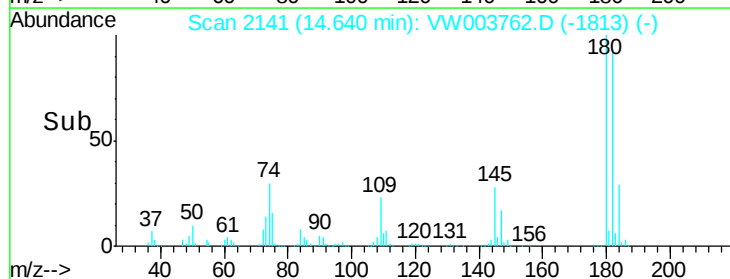
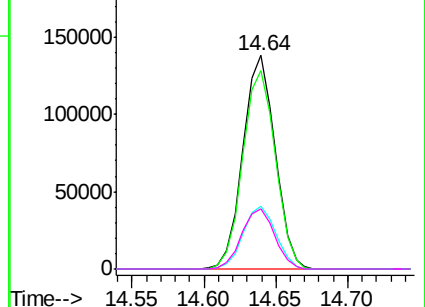


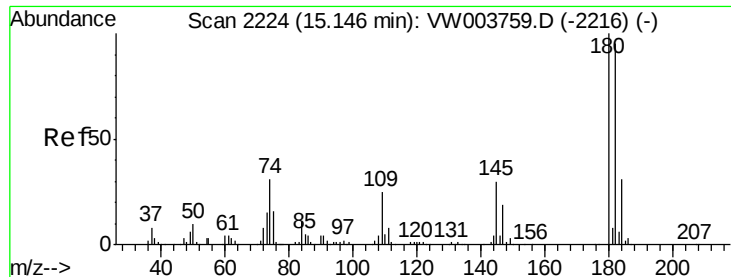
Abundance Ion 180.00 (179.70 to 180.70): V

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

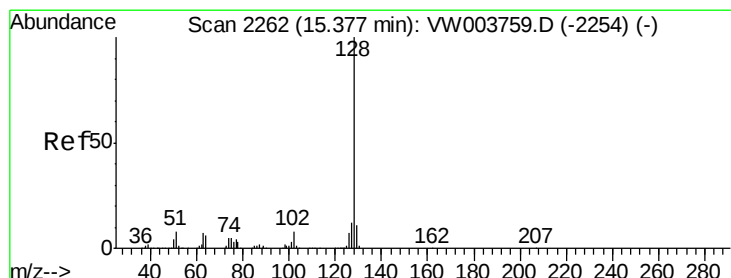
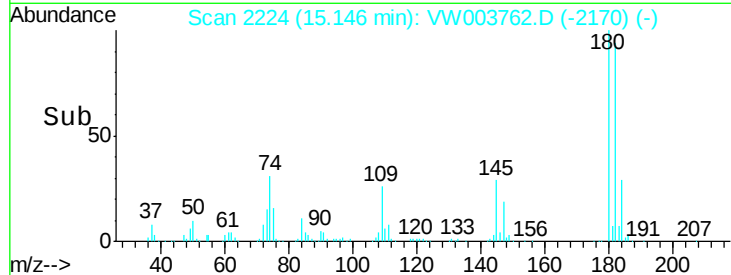
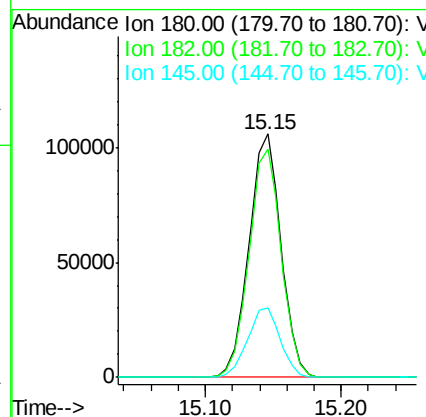
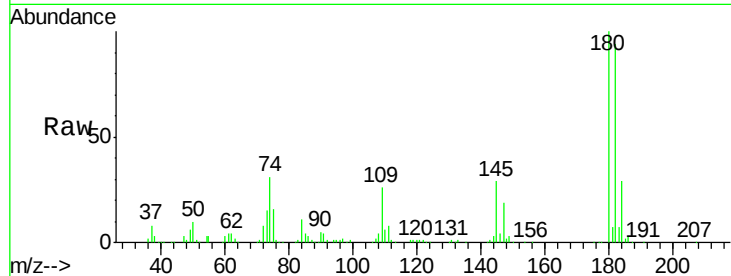




#68
 1,2,4-trichlorobenzene
 Concen: 24.076 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW003762.D
 Acq: 07 Jul 2018 11:36

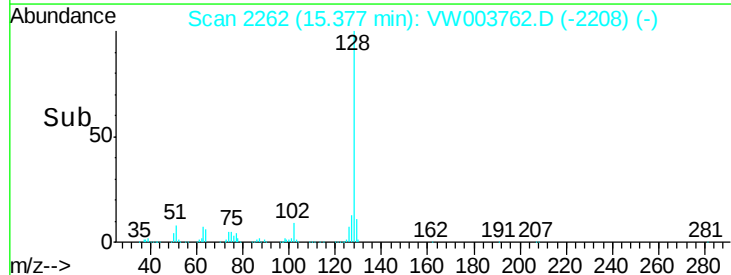
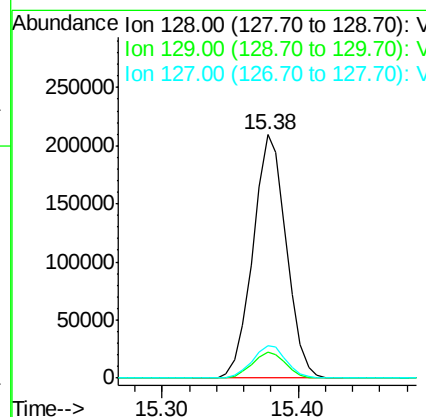
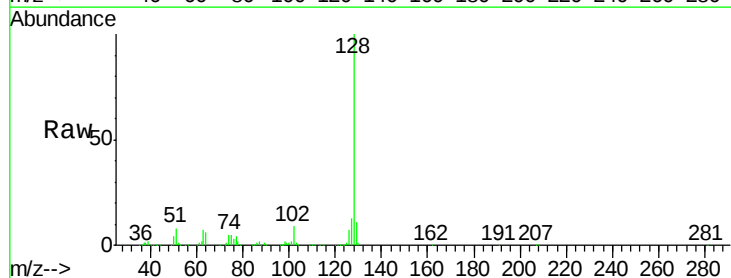
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV92

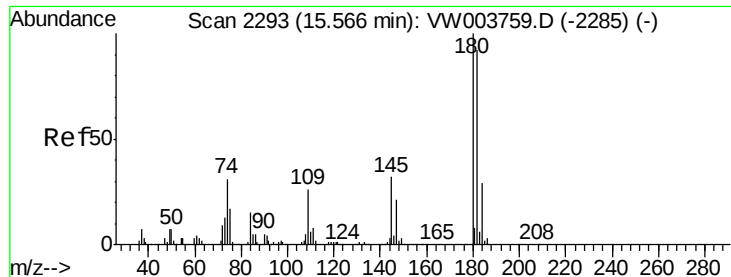
Tgt Ion:180 Resp: 174200
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.4 114.6
 145 29.3 24.2 36.2



#69
 Naphthalene
 Concen: 24.657 ug/L
 RT: 15.38 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VW003762.D
 Acq: 07 Jul 2018 11:36

Tgt Ion:128 Resp: 359504
 Ion Ratio Lower Upper
 128 100
 129 10.8 8.7 13.1
 127 13.6 10.6 16.0





#70
 1,2,3-Trichlorobenzene
 Concen: 24.085 ug/L
 RT: 15.57 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: VW003762.D
 Acq: 07 Jul 2018 11:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV92

Tgt Ion	Resp	Lower	Upper
180	161939		
182	95.2	75.8	113.6
145	32.2	25.3	37.9

