

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070818\
 Data File : VW003766.D
 Acq On : 07 Jul 2018 14:12
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

Quant Time: Jul 09 04:44:33 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	8.84	114	330452	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	314653	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	161243	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	96202	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.84%
7) Chloroethane-d5	2.89	69	75551	24.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.00%
10) 1,1-Dichloroethene-d2	4.01	63	199542	23.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.80%
20) 2-Butanone-d5	7.09	46	88753	64.22	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.44%
24) Chloroform-d	7.65	84	205383	24.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.36%
26) 1,2-Dichloroethane-d4	8.31	65	128354	25.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.80%
29) Benzene-d6	8.28	84	385627	23.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.92%
33) 1,2-Dichloropropane-d6	9.27	67	125275	23.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.44%
37) Toluene-d8	10.33	98	372624	24.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.72%
38) trans-1,3-Dichloropropene-	10.58	79	60253	25.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.24%
39) 2-Hexanone-d5	10.93	63	69740	69.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	138.14%#
48) 1,1,2,2-Tetrachloroethane-	12.70	84	137128	28.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.72%
61) 1,2-Dichlorobenzene-d4	13.86	152	141176	24.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.56%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	47604	29.059	ug/L #	85
3) Chloromethane	2.20	50	84214	26.568	ug/L	98
5) Vinyl chloride	2.36	62	119834	24.872	ug/L	98
6) Bromomethane	2.78	94	75480	28.714	ug/L	99
8) Chloroethane	2.92	64	69305	24.162	ug/L	100
9) Trichlorofluoromethane	3.25	101	50431	19.546	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	102589	24.950	ug/L	99
12) 1,1-Dichloroethene	4.03	96	102554	25.380	ug/L	97
13) Acetone	4.14	43	80221	57.485	ug/L	99
14) Carbon disulfide	4.37	76	322627	24.645	ug/L	99
15) Methyl Acetate	4.67	43	81725	31.785	ug/L	99
16) Methylene chloride	4.91	84	114181	24.182	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	213438	27.441	ug/L	100
18) trans-1,2-Dichloroethene	5.41	96	109089	25.257	ug/L	97
19) 1,1-Dichloroethane	6.21	63	210450	25.840	ug/L	100
21) 2-Butanone	7.18	43	112891	66.322	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	121030	26.319	ug/L	98

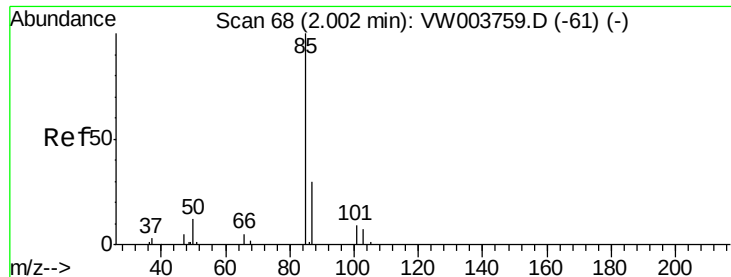
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070818\
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 Quant Title : VOC Analysis
 QLast Update : Mon Jul 09 04:42:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	56693	26.818	ug/L	98
25) Chloroform	7.68	83	219127	26.196	ug/L	99
27) 1,2-Dichloroethane	8.40	62	167218	27.734	ug/L	99
30) Cyclohexane	7.95	56	186268	25.700	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	168866	24.399	ug/L	100
32) Carbon tetrachloride	8.07	117	165792	25.312	ug/L	100
34) Benzene	8.32	78	480388	26.104	ug/L	100
35) Trichloroethene	9.09	95	124811	25.323	ug/L	100
36) Methylcyclohexane	9.34	83	211815	25.492	ug/L	99
40) 1,2-Dichloropropane	9.37	63	130354	26.623	ug/L	99
41) Bromodichloromethane	9.65	83	163693	26.439	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	191667	26.442	ug/L	98
43) 4-Methyl-2-pentanone	10.22	43	236354	69.401	ug/L	100
44) Toluene	10.39	91	525486	26.707	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	179220	27.209	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	100018	27.512	ug/L	99
47) Tetrachloroethene	10.87	164	101890	25.409	ug/L	98
49) 2-Hexanone	10.98	43	178542	69.235	ug/L	98
50) Dibromochloromethane	11.13	129	118873	27.439	ug/L	96
51) 1,2-Dibromoethane	11.24	107	100727	28.440	ug/L	99
52) Chlorobenzene	11.66	112	331369	25.817	ug/L	98
53) Ethylbenzene	11.74	91	589269	26.436	ug/L	98
54) m,p-Xylene	11.84	106	221694	27.047	ug/L	99
55) o-xylene	12.17	106	209553	27.143	ug/L	97
56) Styrene	12.19	104	372321	27.800	ug/L	99
57) Isopropylbenzene	12.47	105	575146	26.816	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	144324	30.238	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	111827	30.679	ug/L	99
62) Bromoform	12.35	173	78605	29.152	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	254067	25.455	ug/L	99
64) 1,4-Dichlorobenzene	13.59	146	268559	25.424	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	249426	25.909	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	27684	32.494	ug/L	96
67) 1,3,5-Trichlorobenzene	14.64	180	199077	25.523	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	164264	26.013	ug/L	99
69) Naphthalene	15.38	128	398532	31.320	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	161377	27.502	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 29.059 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW003766.D

Acq: 07 Jul 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

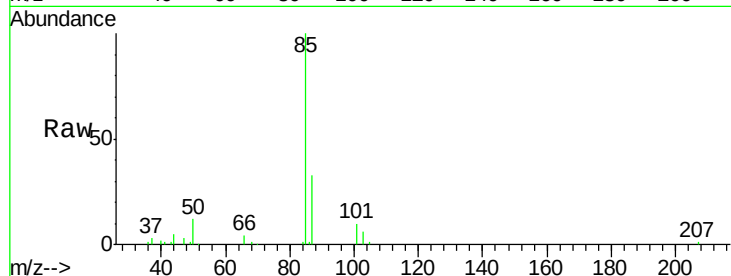
VSTD02593

Tgt Ion: 85 Resp: 47604

Ion Ratio Lower Upper

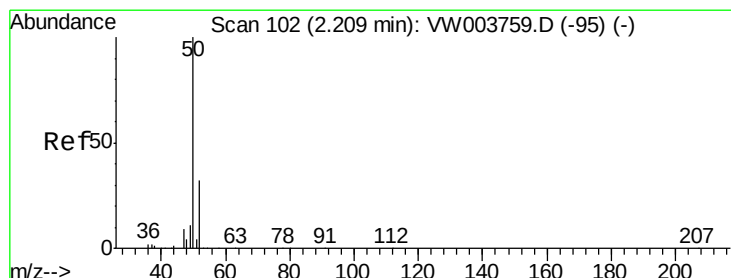
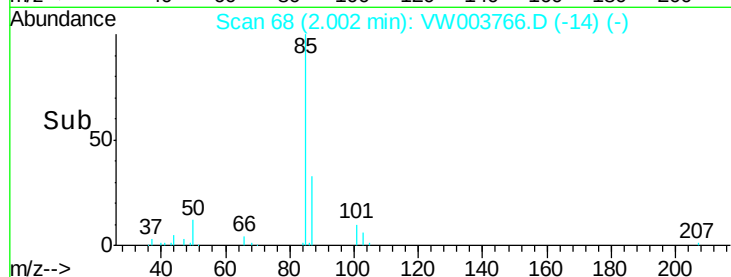
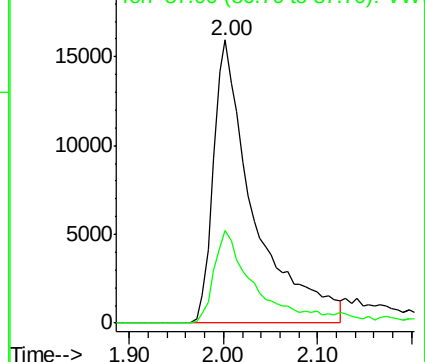
85 100

87 30.8 16.4 30.4#



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 26.568 ug/L

RT: 2.20 min Scan# 101

Delta R.T. -0.01 min

Lab File: VW003766.D

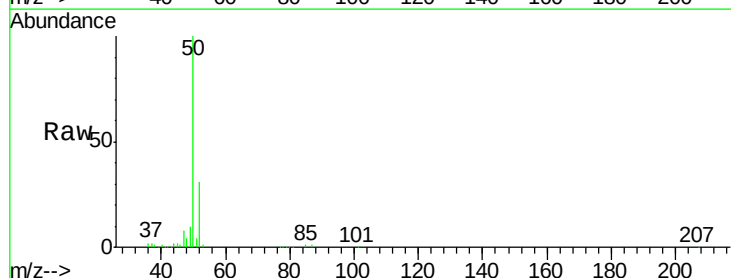
Acq: 07 Jul 2018 14:12

Tgt Ion: 50 Resp: 84214

Ion Ratio Lower Upper

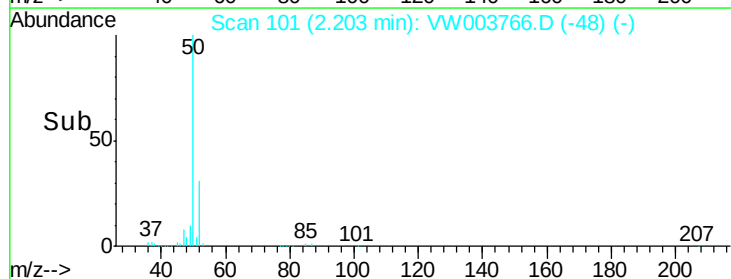
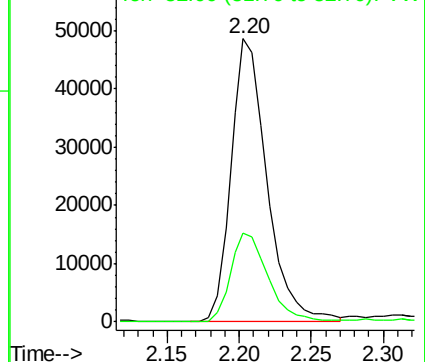
50 100

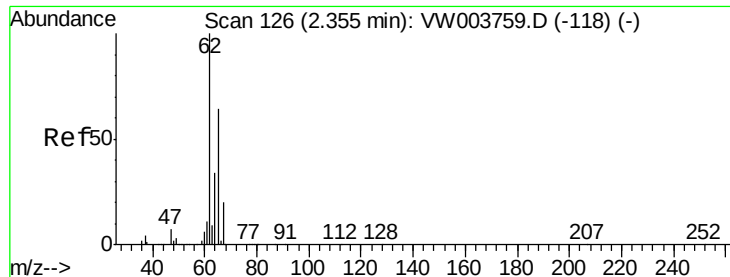
52 31.5 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.872 ug/L

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003766.D

Acq: 07 Jul 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

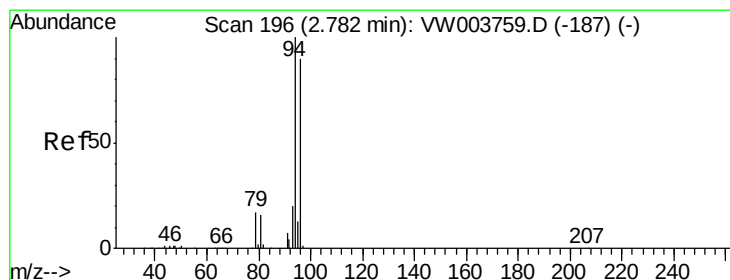
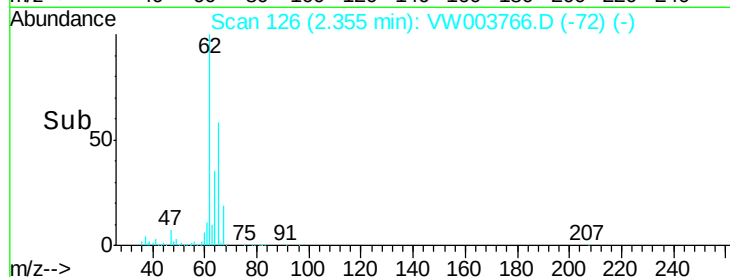
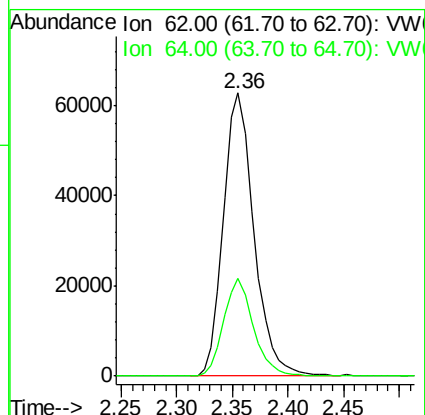
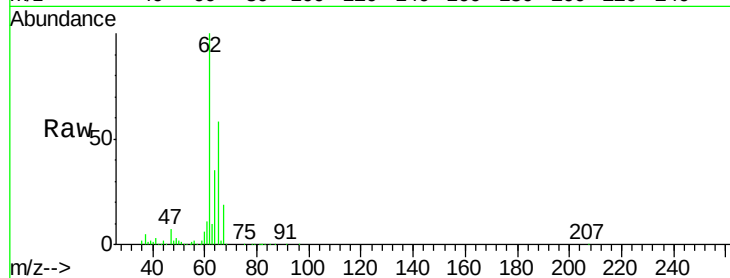
VSTD02593

Tgt Ion: 62 Resp: 119834

Ion Ratio Lower Upper

62 100

64 34.8 23.4 43.6



#6

Bromomethane

Concen: 28.714 ug/L

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VW003766.D

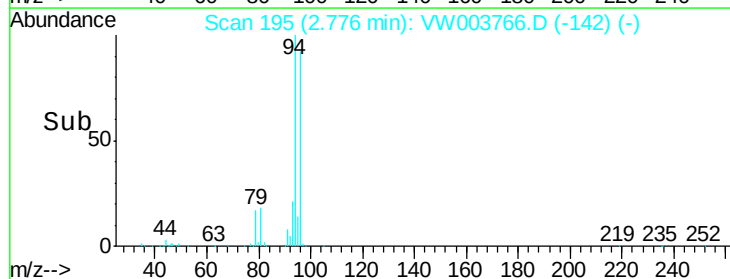
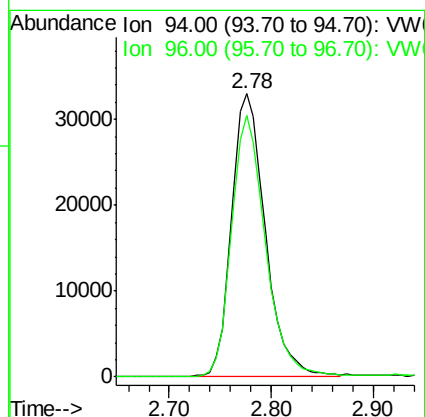
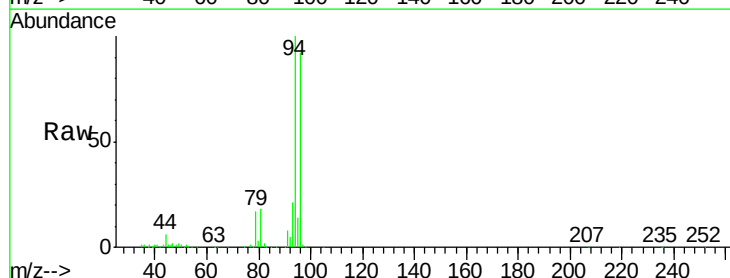
Acq: 07 Jul 2018 14:12

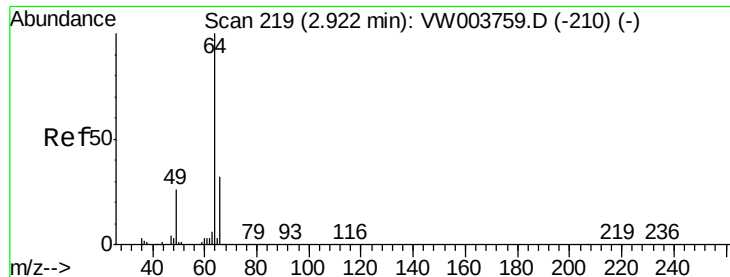
Tgt Ion: 94 Resp: 75480

Ion Ratio Lower Upper

94 100

96 93.2 9.4 179.5





#8

Chloroethane

Concen: 24.162 ug/L

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW003766.D

Acq: 07 Jul 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

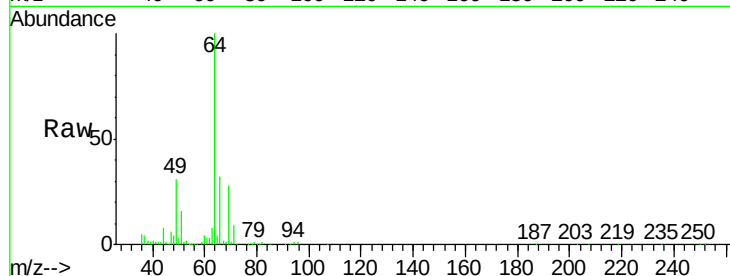
VSTD02593

Tgt Ion: 64 Resp: 69305

Ion Ratio Lower Upper

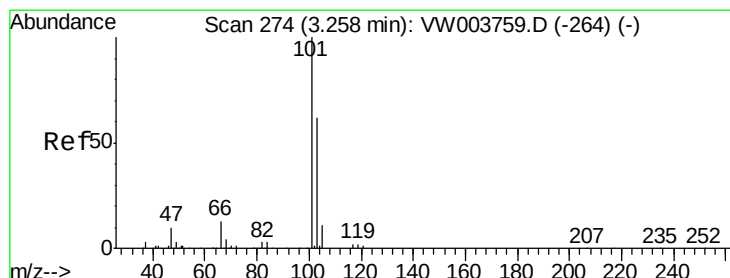
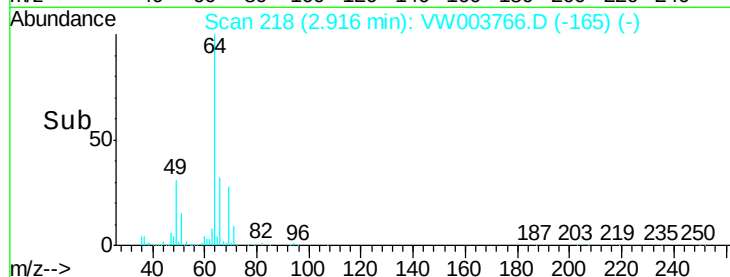
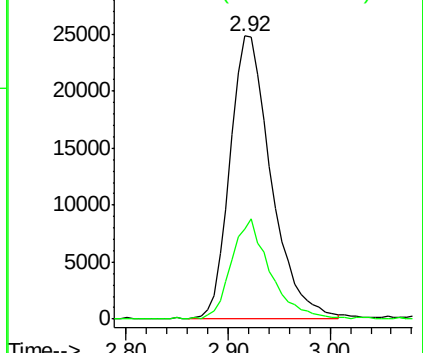
64 100

66 31.7 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: 19.546 ug/L

RT: 3.25 min Scan# 272

Delta R.T. -0.01 min

Lab File: VW003766.D

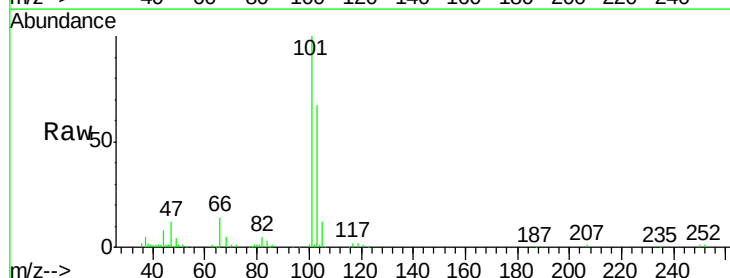
Acq: 07 Jul 2018 14:12

Tgt Ion: 101 Resp: 50431

Ion Ratio Lower Upper

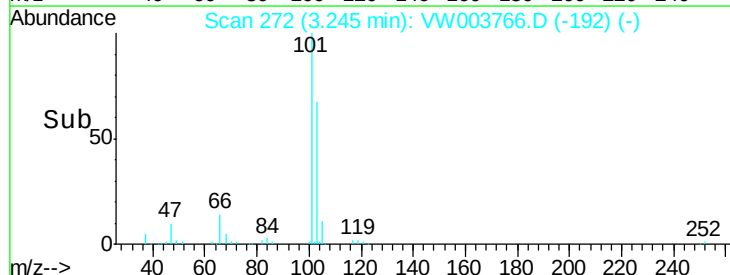
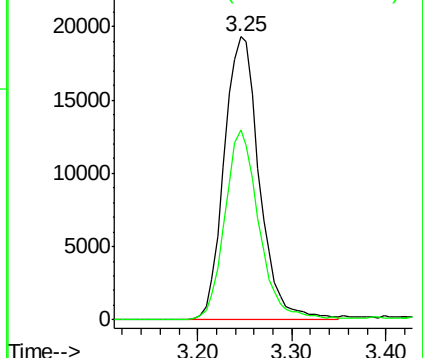
101 100

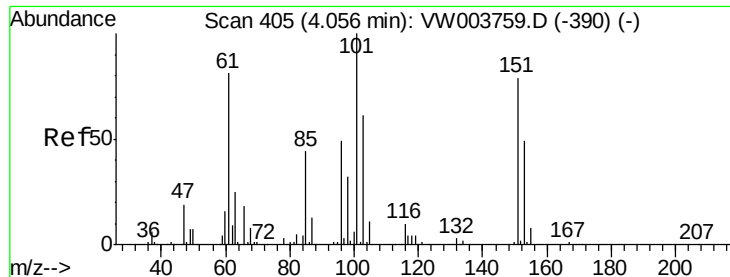
103 64.6 44.5 82.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 24.950 ug/L

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW003766.D

Acq: 07 Jul 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02593

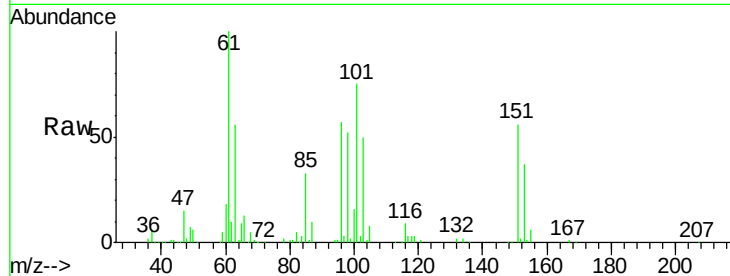
Tgt Ion:101 Resp: 102589

Ion Ratio Lower Upper

101 100

85 45.6 36.6 55.0

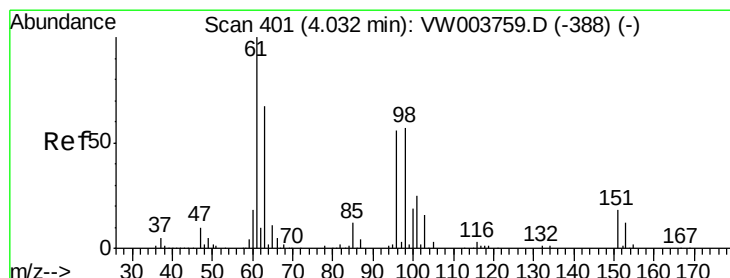
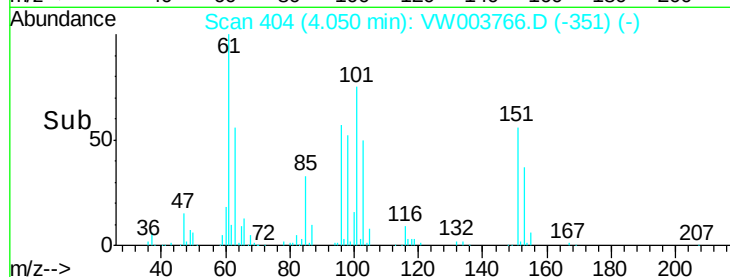
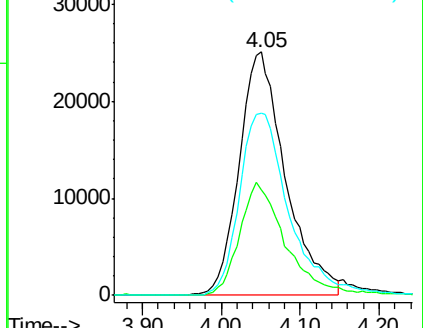
151 77.7 61.4 92.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.380 ug/L

RT: 4.03 min Scan# 401

Delta R.T. -0.00 min

Lab File: VW003766.D

Acq: 07 Jul 2018 14:12

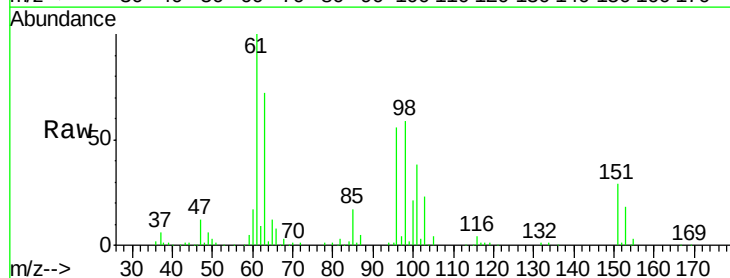
Tgt Ion: 96 Resp: 102554

Ion Ratio Lower Upper

96 100

61 178.4 126.2 234.4

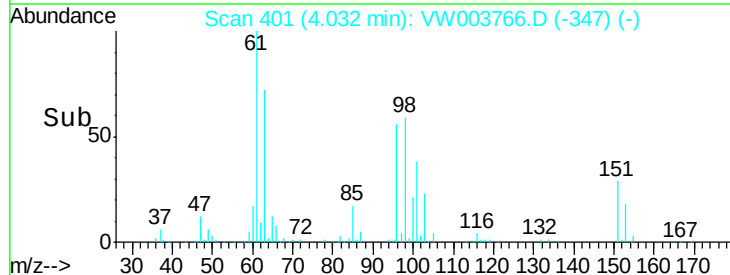
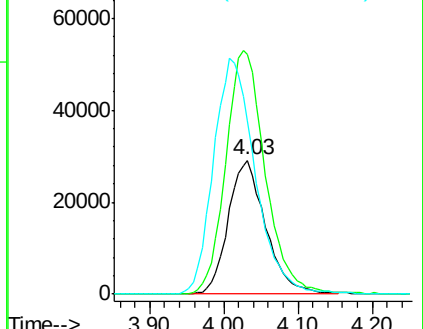
63 129.3 85.8 159.4

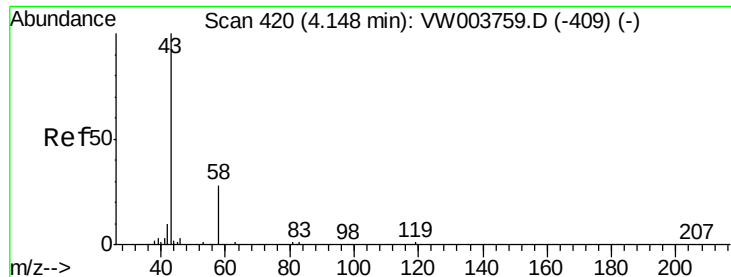


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 57.485 ug/L

RT: 4.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VW003766.D

Acq: 07 Jul 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

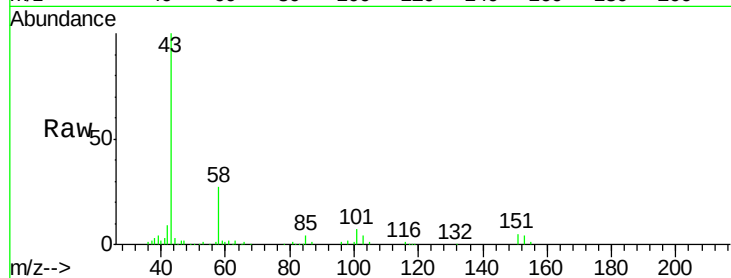
VSTD02593

Tgt Ion: 43 Resp: 80221

Ion Ratio Lower Upper

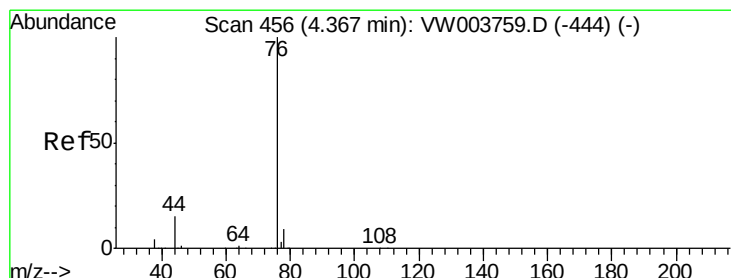
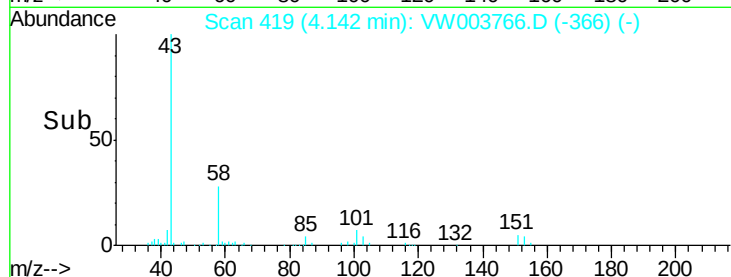
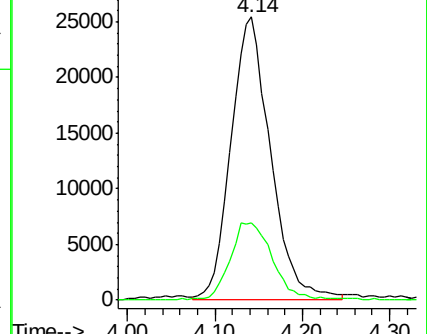
43 100

58 28.7 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.645 ug/L

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW003766.D

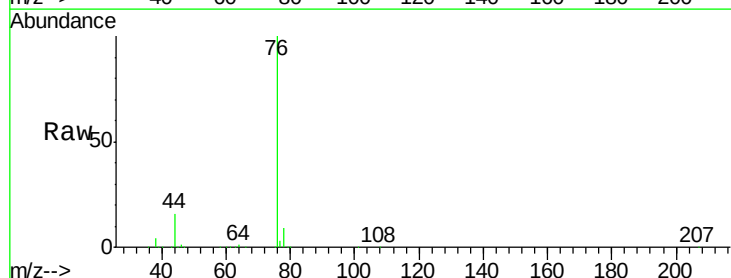
Acq: 07 Jul 2018 14:12

Tgt Ion: 76 Resp: 322627

Ion Ratio Lower Upper

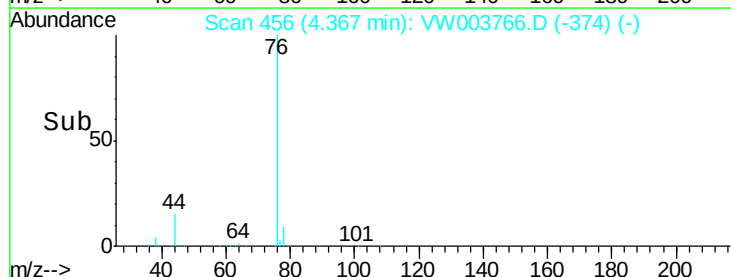
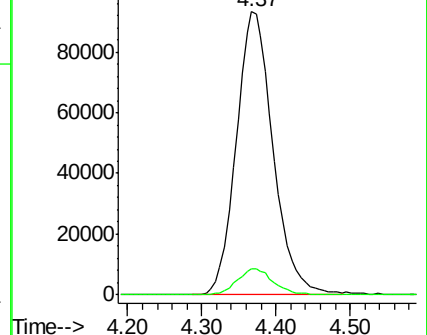
76 100

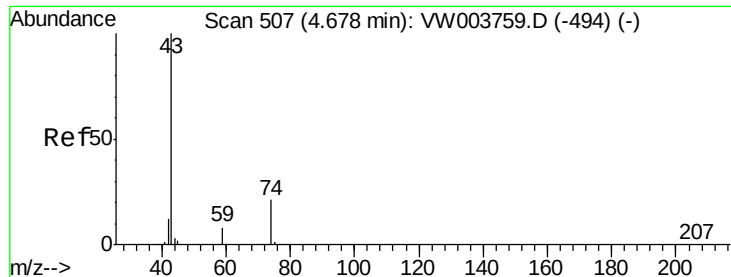
78 9.4 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

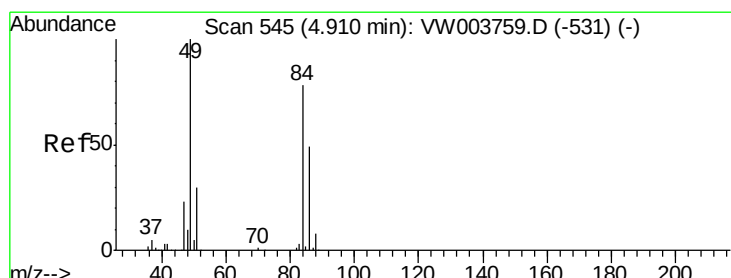
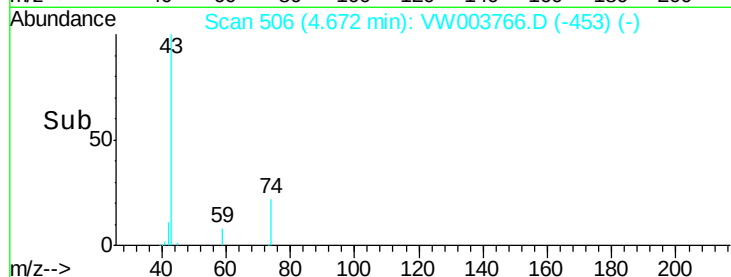
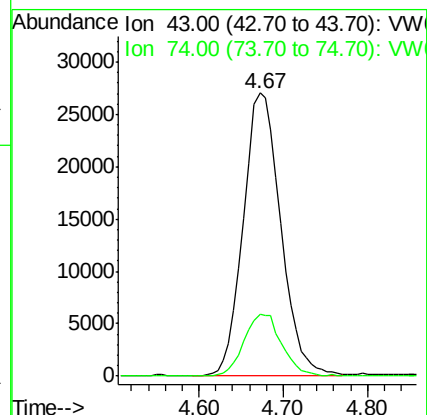
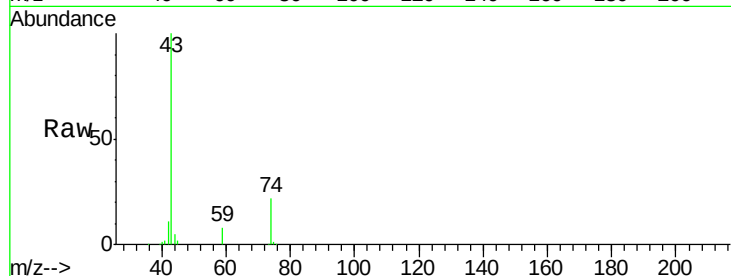




#15
Methyl Acetate
Concen: 31.785 ug/L
RT: 4.67 min Scan# 506
Delta R.T. -0.01 min
Lab File: VW003766.D
Acq: 07 Jul 2018 14:12

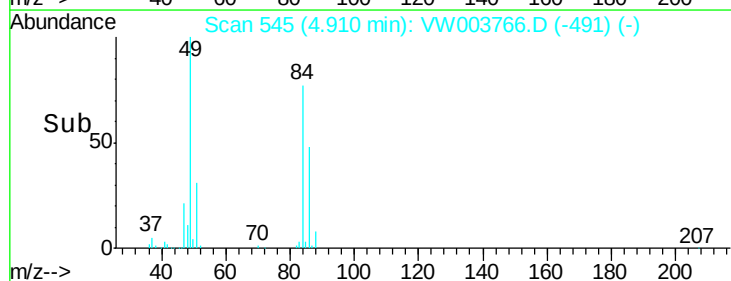
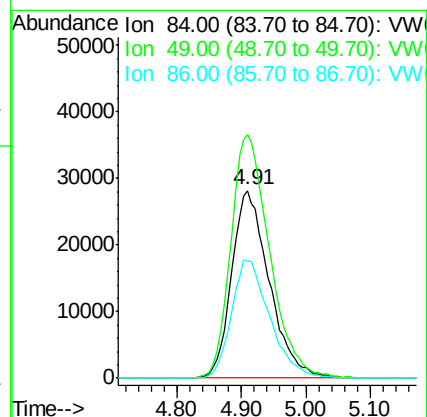
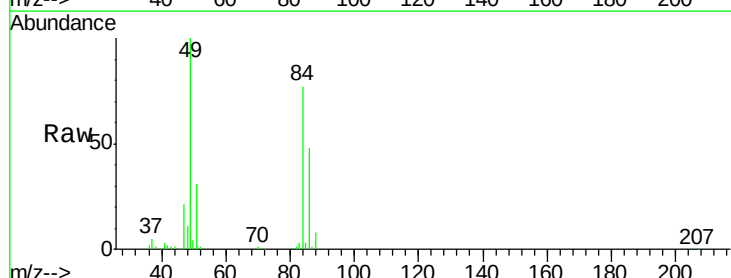
Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

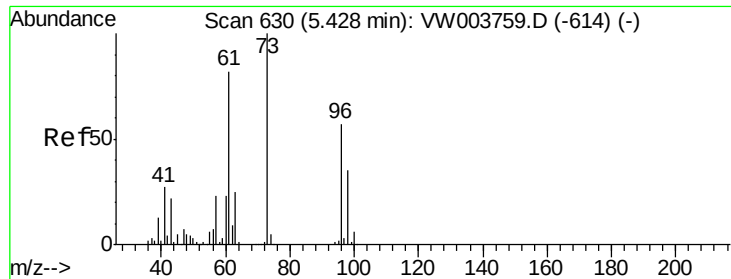
Tgt Ion: 43 Resp: 81725
Ion Ratio Lower Upper
43 100
74 21.8 17.0 25.4



#16
Methylene chloride
Concen: 24.182 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW003766.D
Acq: 07 Jul 2018 14:12

Tgt Ion: 84 Resp: 114181
Ion Ratio Lower Upper
84 100
49 129.9 89.9 166.9
86 62.3 43.9 81.5

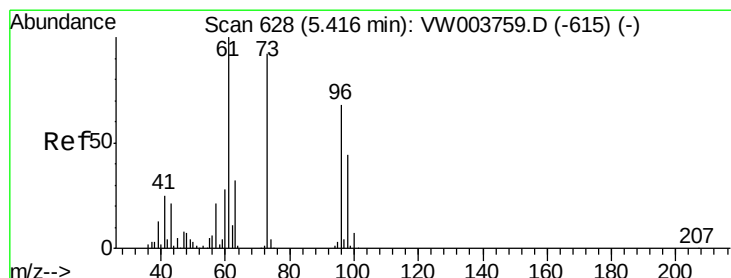
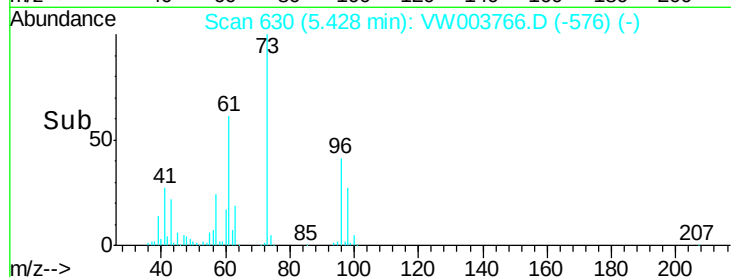
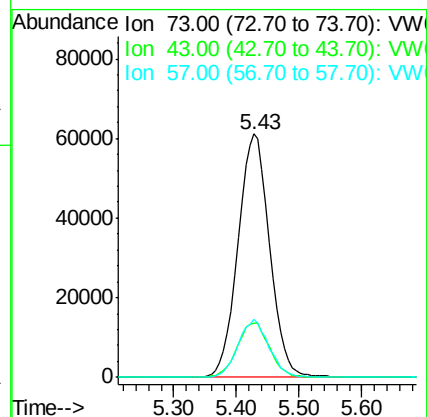
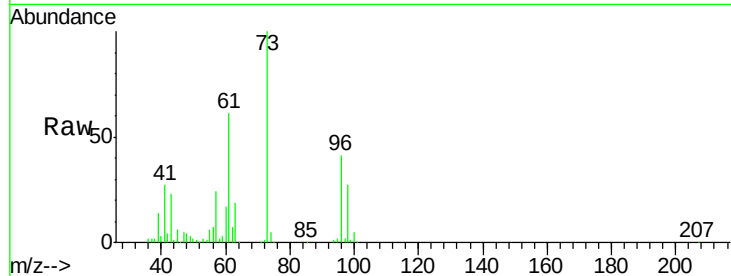




#17
Methyl tert-butyl Ether
Concen: 27.441 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW003766.D
Acq: 07 Jul 2018 14:12

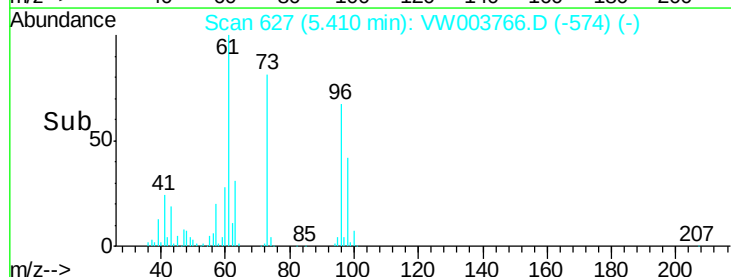
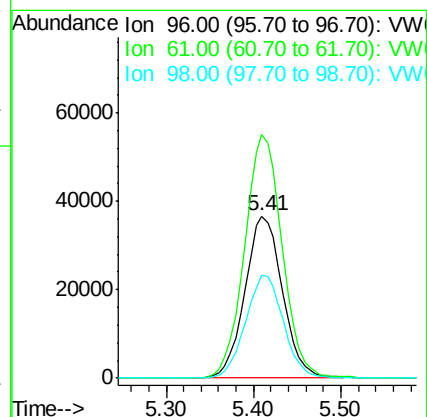
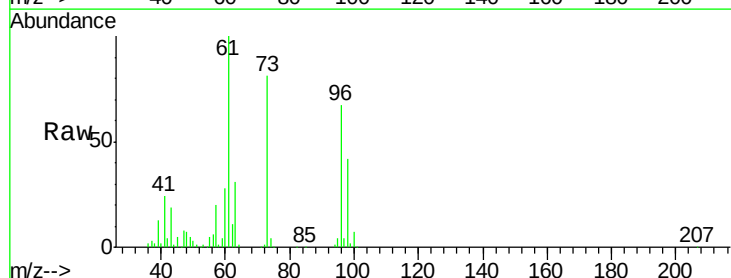
Instrument :
MSVOA_W
ClientSampled :
VSTD02593

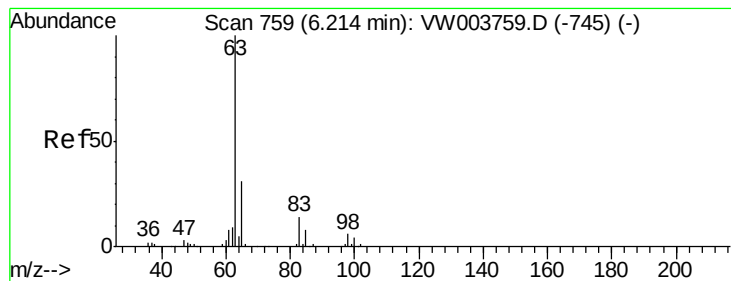
Tgt Ion: 73 Resp: 213438
Ion Ratio Lower Upper
73 100
43 23.0 18.2 27.4
57 23.1 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 25.257 ug/L
RT: 5.41 min Scan# 627
Delta R.T. -0.01 min
Lab File: VW003766.D
Acq: 07 Jul 2018 14:12

Tgt Ion: 96 Resp: 109089
Ion Ratio Lower Upper
96 100
61 150.1 103.0 191.2
98 63.2 45.8 85.2





#19

1,1-Dichloroethane

Concen: 25.840 ug/L

RT: 6.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VW003766.D

Acq: 07 Jul 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02593

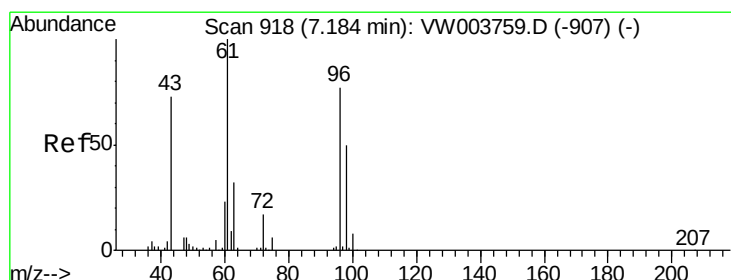
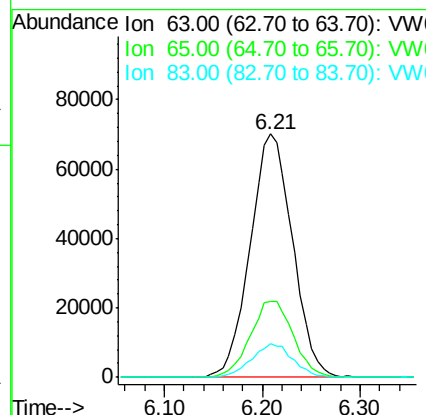
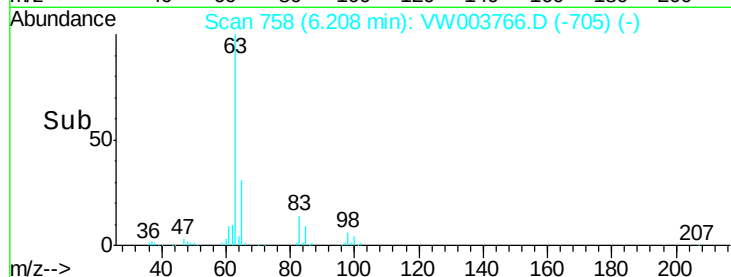
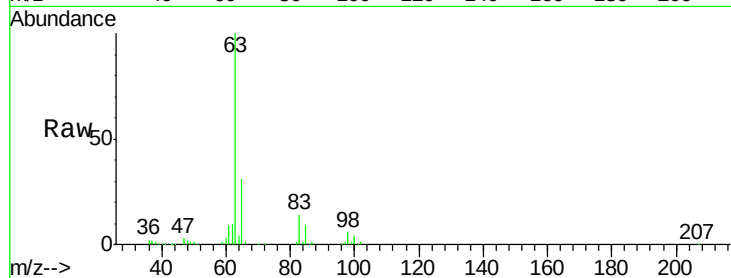
Tgt Ion: 63 Resp: 210450

Ion Ratio Lower Upper

63 100

65 31.3 21.9 40.7

83 13.9 9.6 17.8



#21

2-Butanone

Concen: 66.322 ug/L

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW003766.D

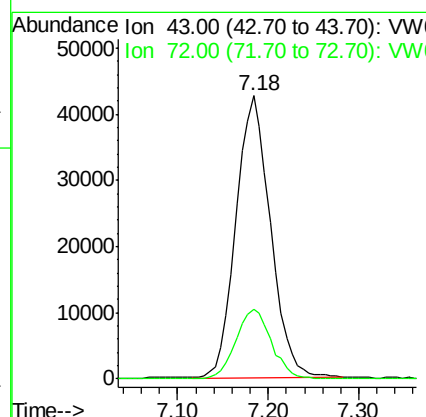
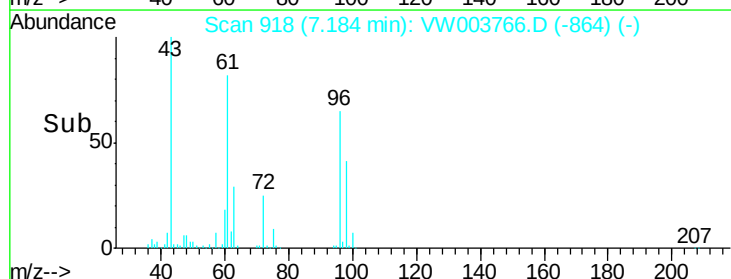
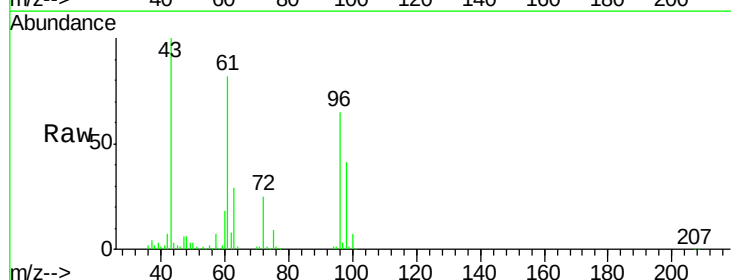
Acq: 07 Jul 2018 14:12

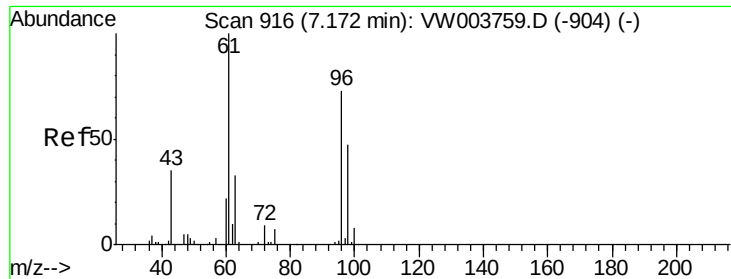
Tgt Ion: 43 Resp: 112891

Ion Ratio Lower Upper

43 100

72 25.5 12.3 36.9



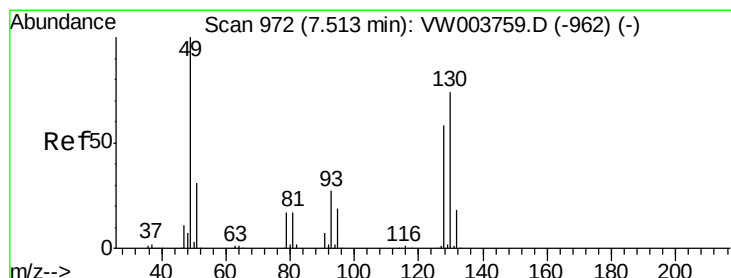
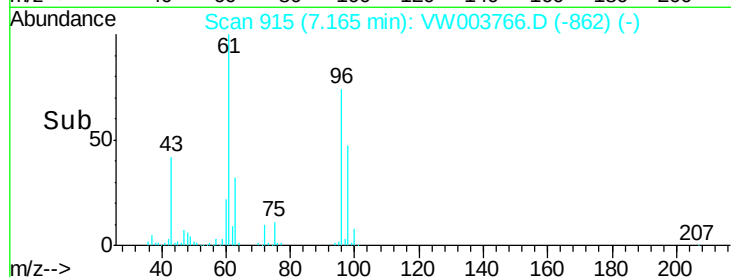
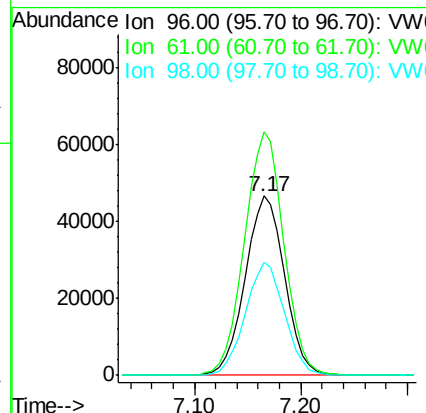
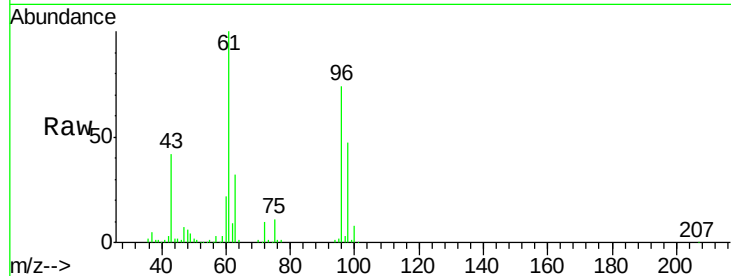


#22

cis-1,2-Dichloroethene
 Concen: 26.319 ug/L
 RT: 7.17 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VW003766.D
 Acq: 07 Jul 2018 14:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

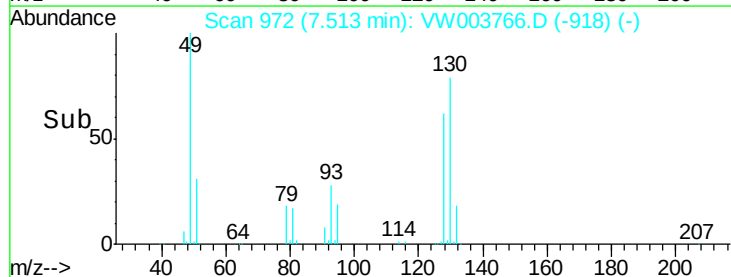
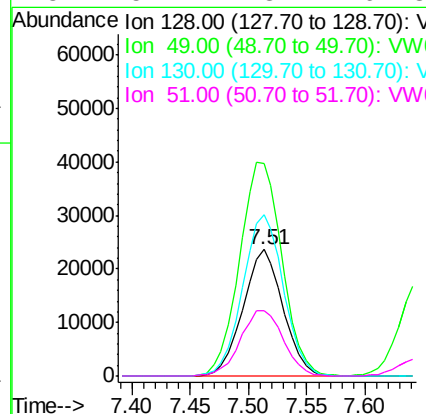
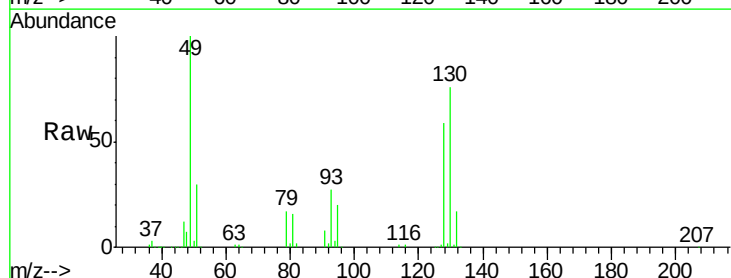
Tgt Ion: 96 Resp: 121030
 Ion Ratio Lower Upper
 96 100
 61 135.6 96.4 179.0
 98 63.2 45.6 84.8

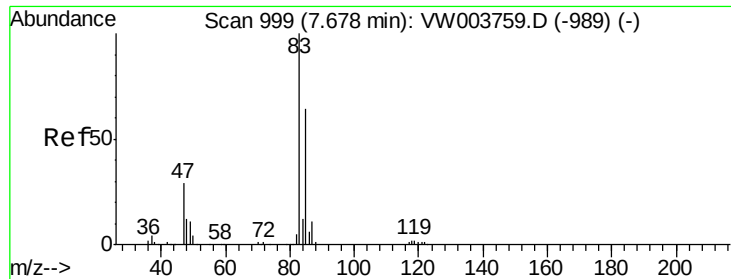


#23

Bromochloromethane
 Concen: 26.818 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VW003766.D
 Acq: 07 Jul 2018 14:12

Tgt Ion: 128 Resp: 56693
 Ion Ratio Lower Upper
 128 100
 49 168.2 120.7 224.1
 130 127.9 88.8 164.8
 51 51.2 43.2 64.8

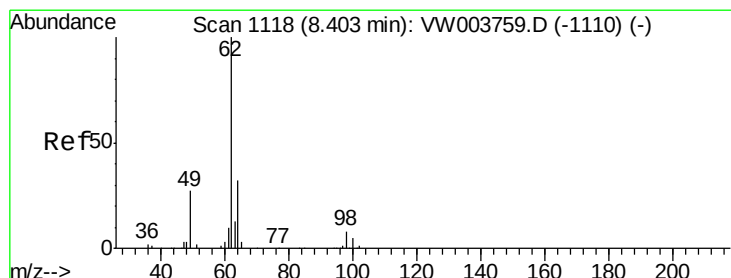
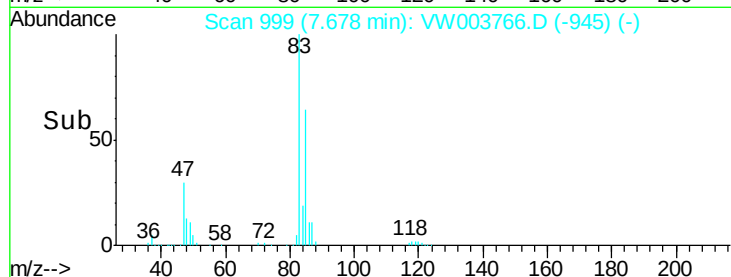
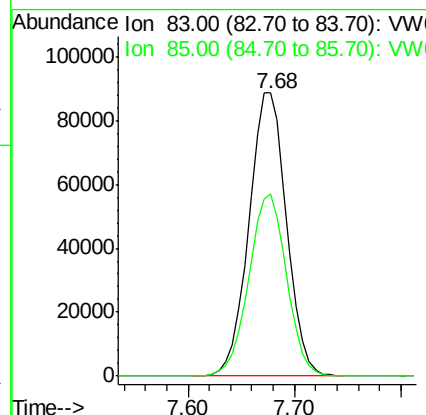
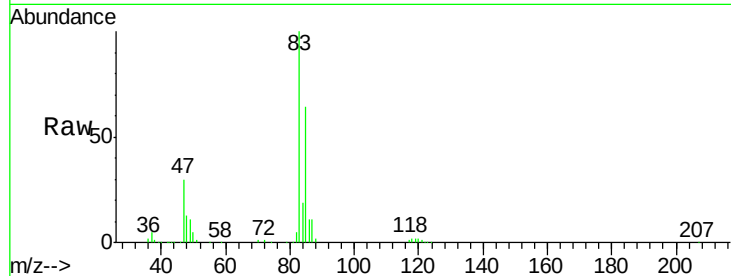




#25
Chloroform
Concen: 26.196 ug/L
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW003766.D
Acq: 07 Jul 2018 14:12

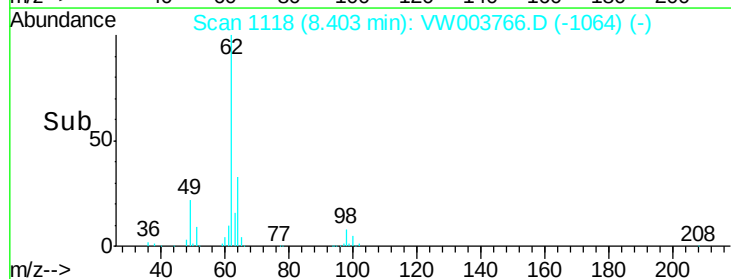
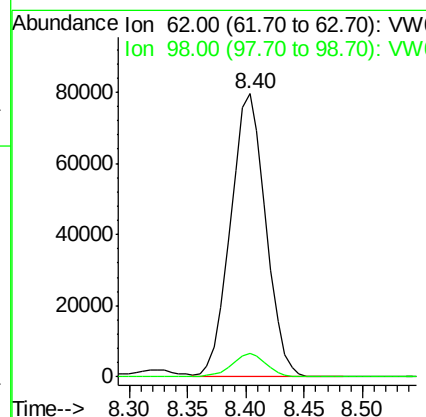
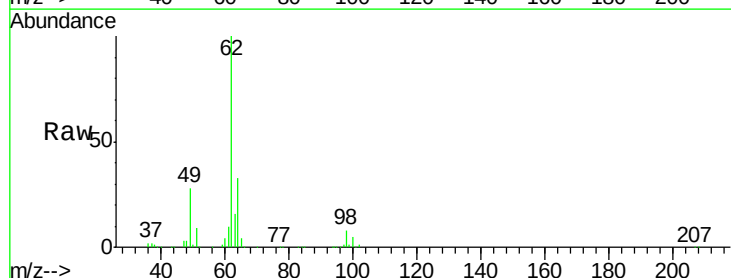
Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

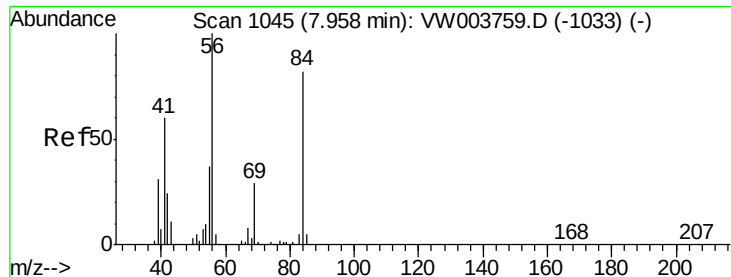
Tgt Ion: 83 Resp: 219127
Ion Ratio Lower Upper
83 100
85 64.8 46.0 85.4



#27
1,2-Dichloroethane
Concen: 27.734 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW003766.D
Acq: 07 Jul 2018 14:12

Tgt Ion: 62 Resp: 167218
Ion Ratio Lower Upper
62 100
98 8.2 6.4 9.6

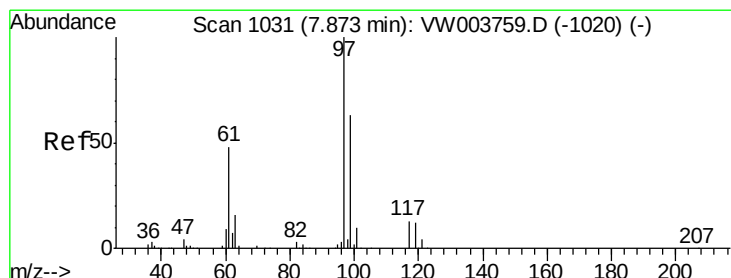
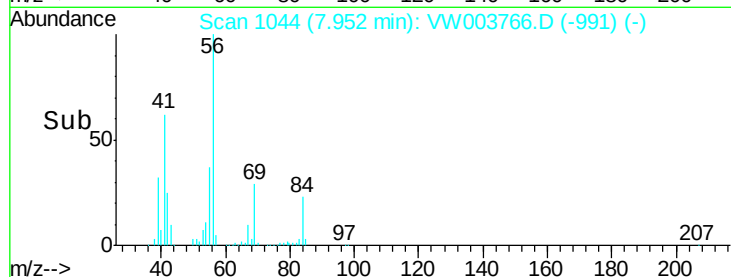
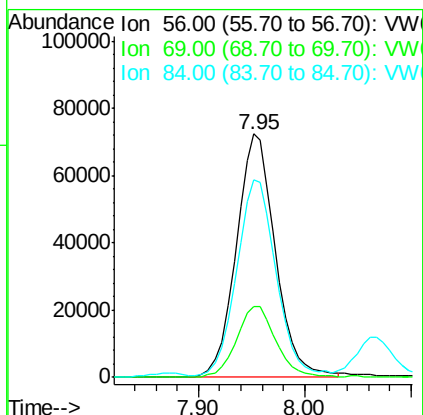
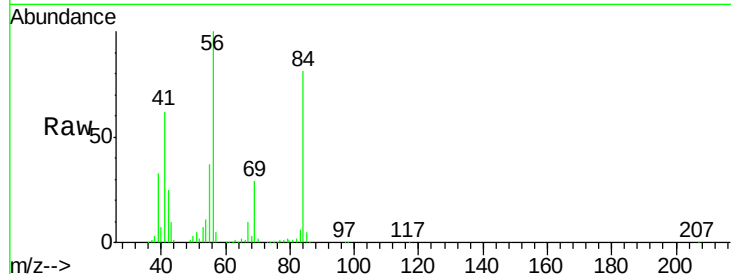




#30
Cyclohexane
Concen: 25.700 ug/L
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003766.D
Acq: 07 Jul 2018 14:12

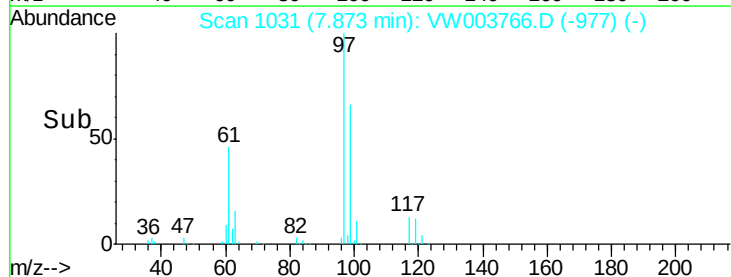
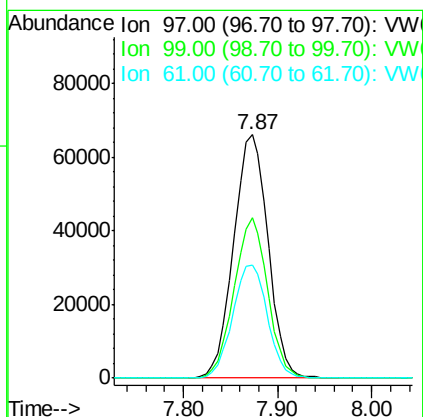
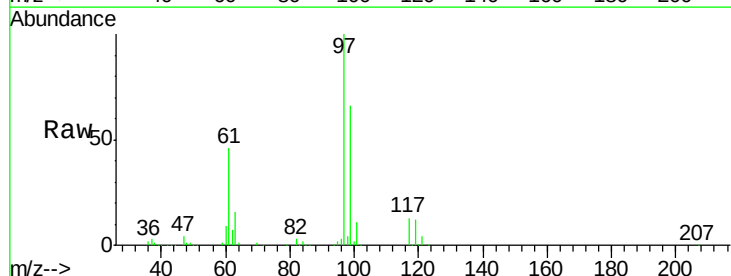
Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

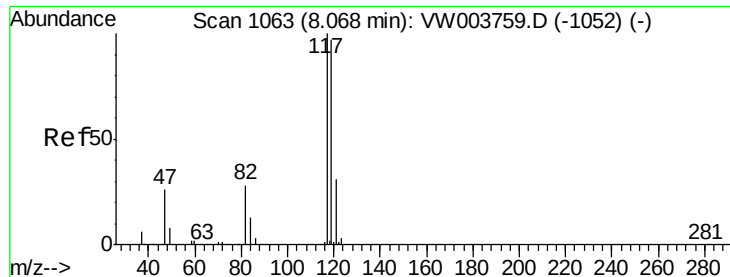
Tgt Ion: 56 Resp: 186268
Ion Ratio Lower Upper
56 100
69 29.5 23.7 35.5
84 81.8 65.8 98.6



#31
1,1,1-Trichloroethane
Concen: 24.399 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW003766.D
Acq: 07 Jul 2018 14:12

Tgt Ion: 97 Resp: 168866
Ion Ratio Lower Upper
97 100
99 64.1 51.3 76.9
61 46.9 38.1 57.1





#32

Carbon tetrachloride

Concen: 25.312 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW003766.D

Acq: 07 Jul 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

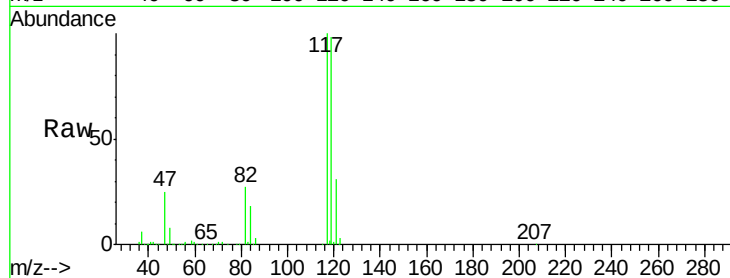
VSTD02593

Tgt Ion:117 Resp: 165792

Ion Ratio Lower Upper

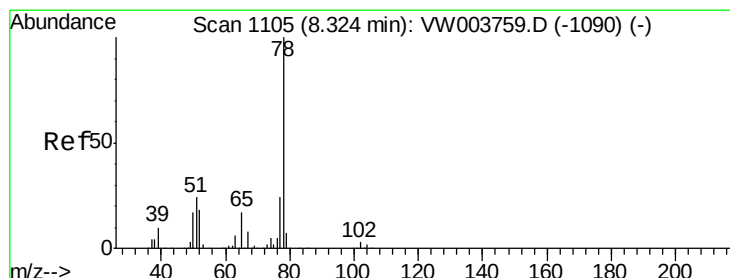
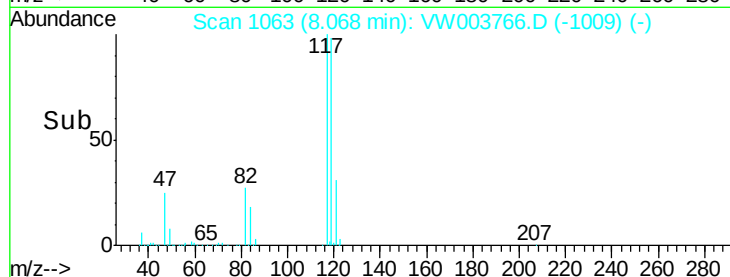
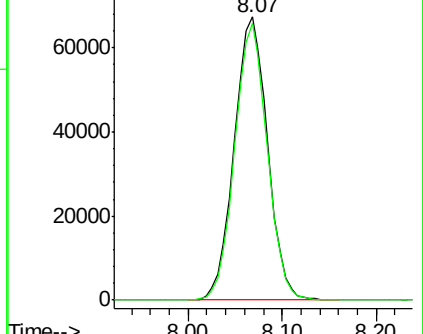
117 100

119 95.5 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: 26.104 ug/L

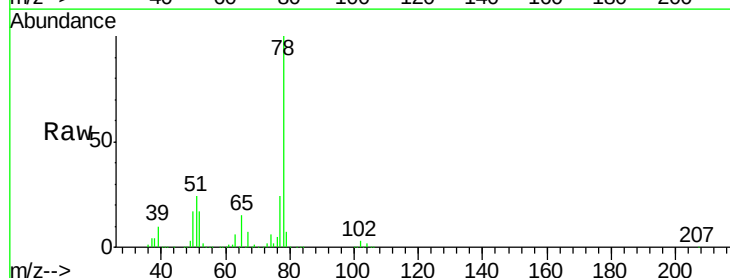
RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VW003766.D

Acq: 07 Jul 2018 14:12

Tgt Ion: 78 Resp: 480388



Abundance Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

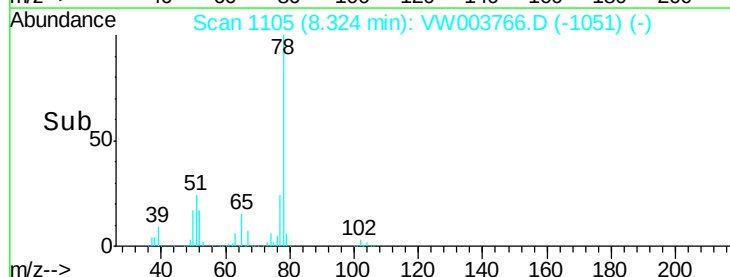
100000

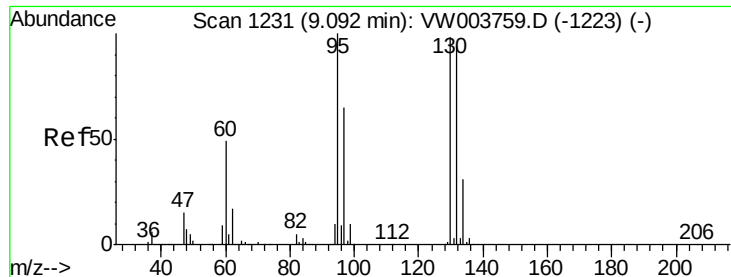
50000

0

8.32

Time-->

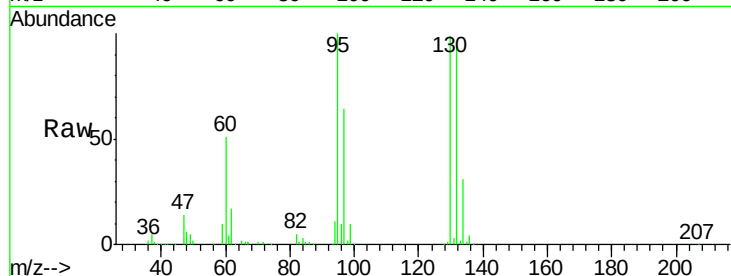




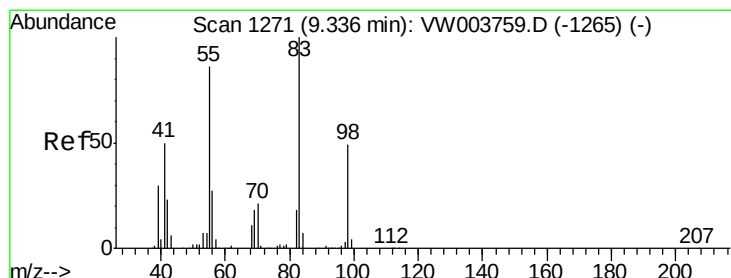
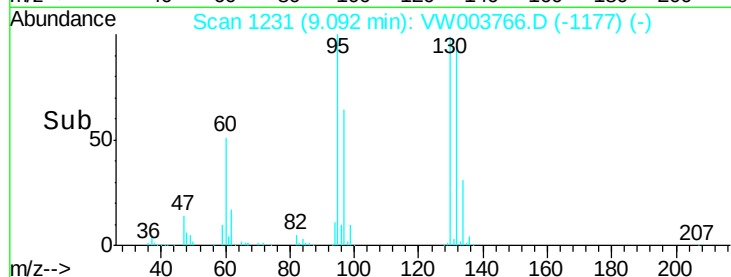
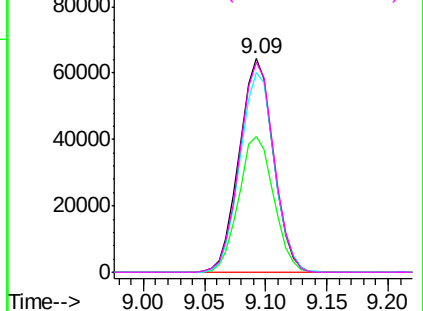
#35
 Trichloroethene
 Concen: 25.323 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW003766.D
 Acq: 07 Jul 2018 14:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

Tgt Ion:	95	Resp:	124811
Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.7	82.9
132	94.7	66.2	123.0
130	99.1	69.5	129.1

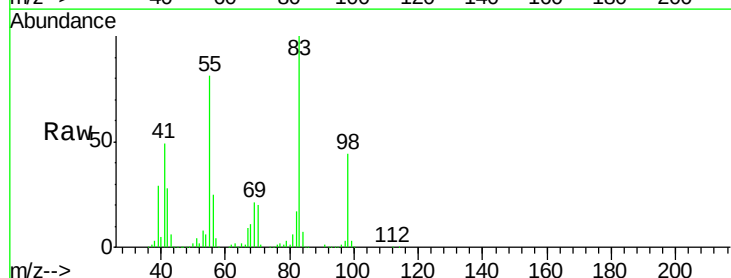


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

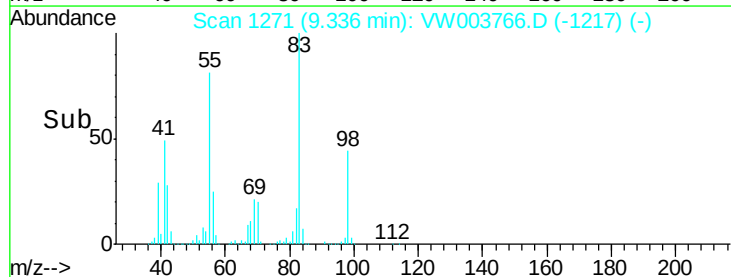
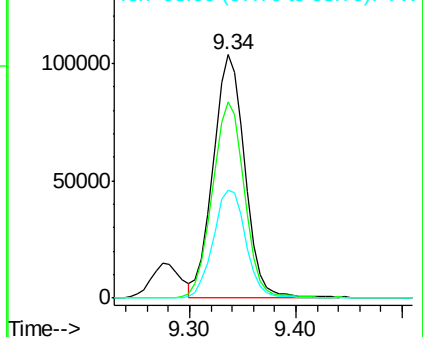


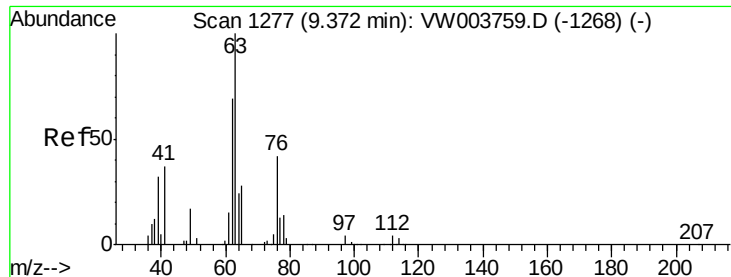
#36
 Methylcyclohexane
 Concen: 25.492 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VW003766.D
 Acq: 07 Jul 2018 14:12

Tgt Ion:	83	Resp:	211815
Ion	Ratio	Lower	Upper
83	100		
55	82.3	65.0	97.4
98	46.7	37.0	55.6



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

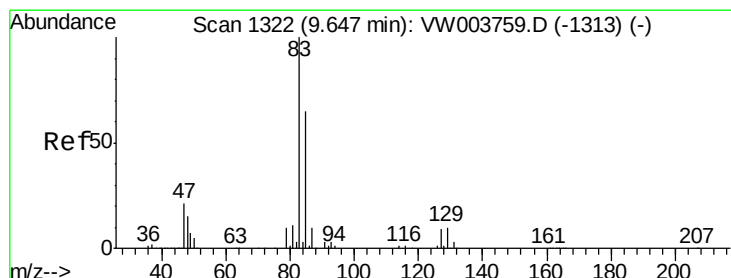
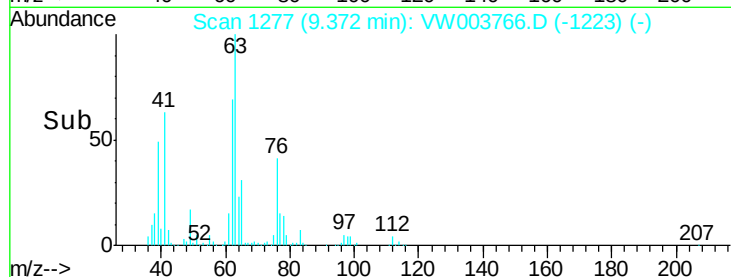
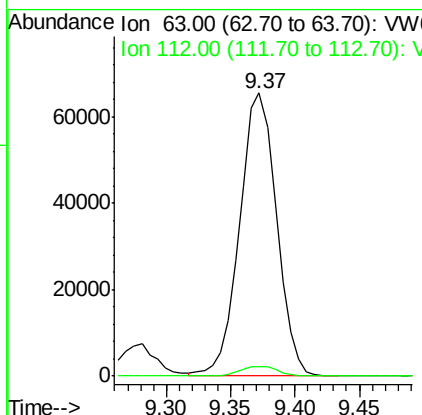
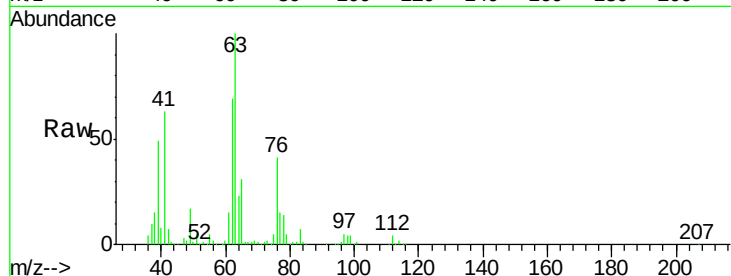




#40
 1,2-Dichloropropane
 Concen: 26.623 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003766.D
 Acq: 07 Jul 2018 14:12

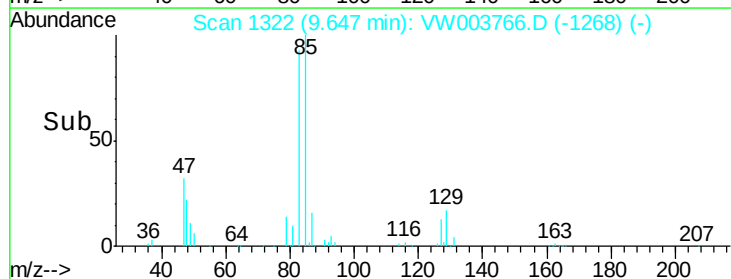
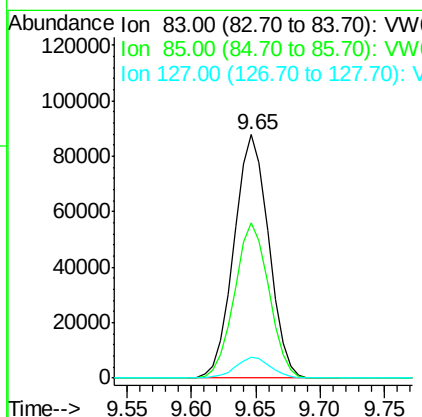
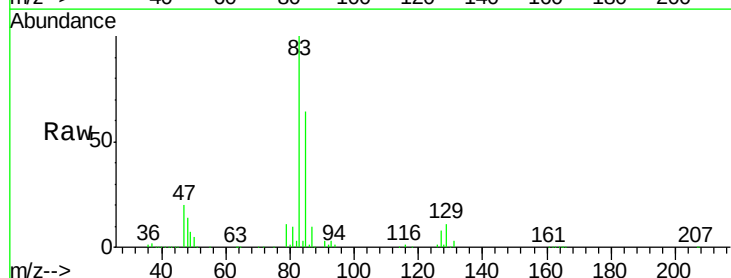
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

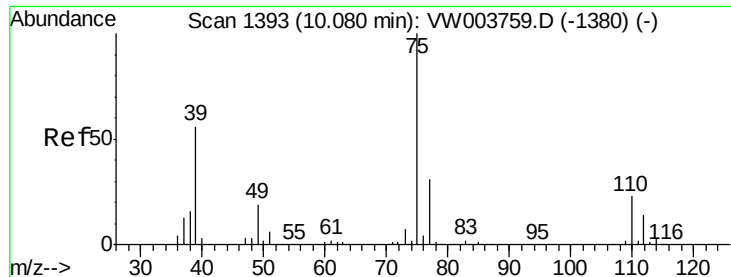
Tgt Ion: 63 Resp: 130354
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.3 4.9



#41
 Bromodichloromethane
 Concen: 26.439 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW003766.D
 Acq: 07 Jul 2018 14:12

Tgt Ion: 83 Resp: 163693
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.1 83.9
 127 8.4 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 26.442 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW003766.D

Acq: 07 Jul 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

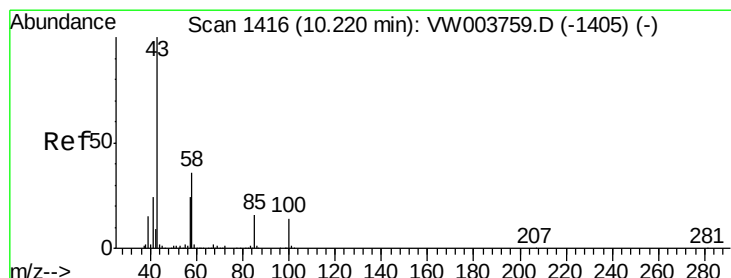
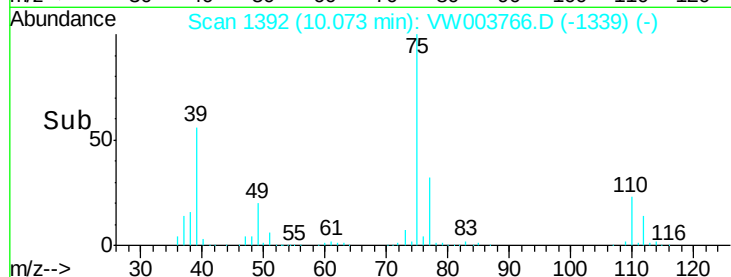
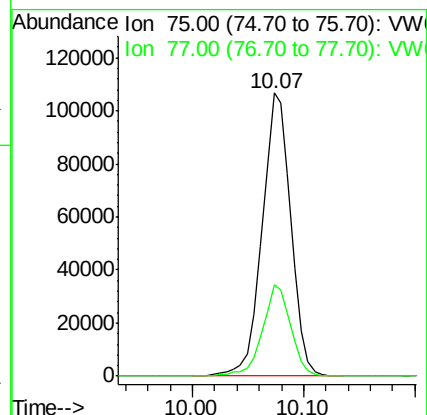
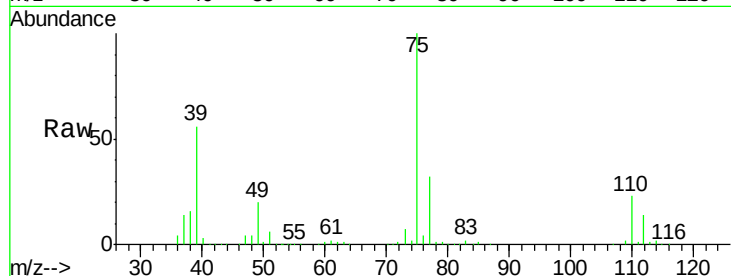
VSTD02593

Tgt Ion: 75 Resp: 191667

Ion Ratio Lower Upper

75 100

77 32.1 21.6 40.0



#43

4-Methyl-2-pentanone

Concen: 69.401 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW003766.D

Acq: 07 Jul 2018 14:12

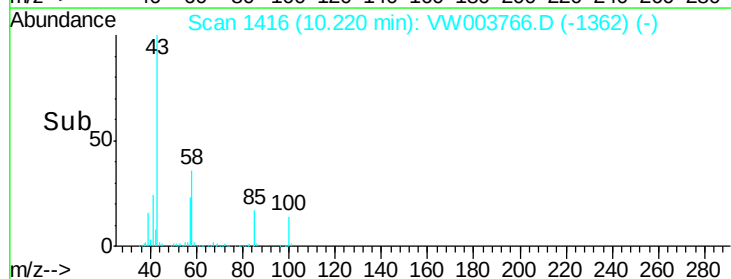
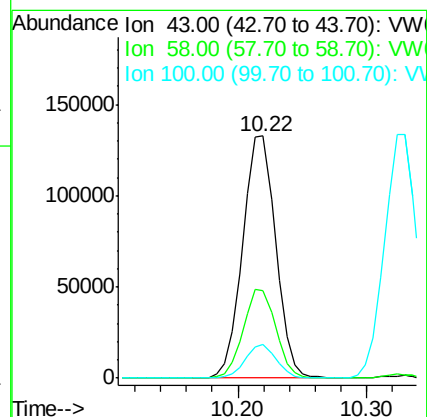
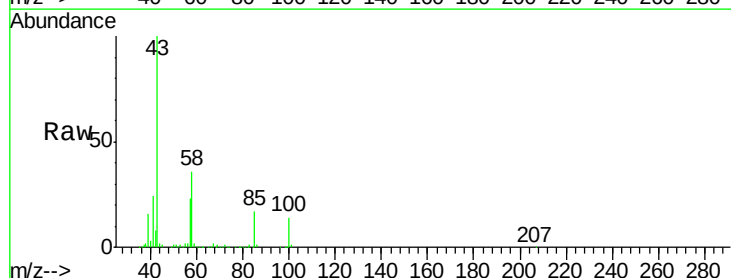
Tgt Ion: 43 Resp: 236354

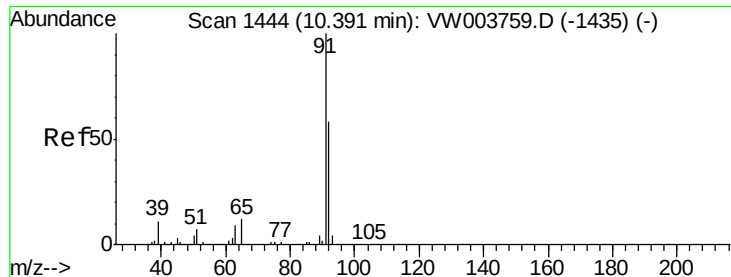
Ion Ratio Lower Upper

43 100

58 36.2 29.0 43.4

100 13.0 10.7 16.1





#44

Toluene

Concen: 26.707 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003766.D

Acq: 07 Jul 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

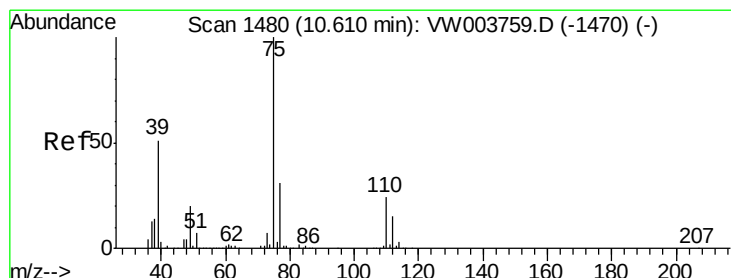
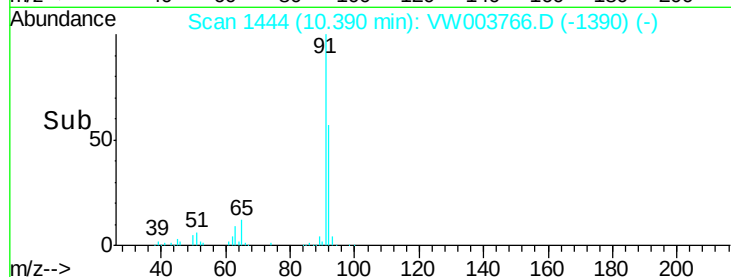
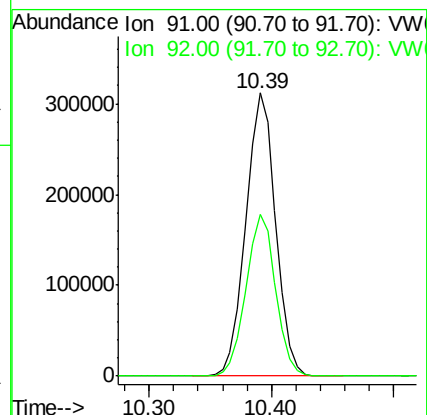
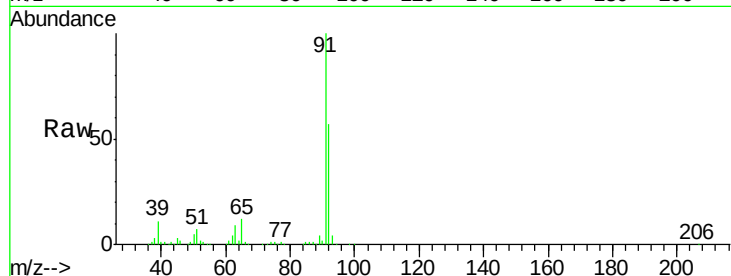
VSTD02593

Tgt Ion: 91 Resp: 525486

Ion Ratio Lower Upper

91 100

92 57.2 40.5 75.3



#45

trans-1,3-Dichloropropene

Concen: 27.209 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003766.D

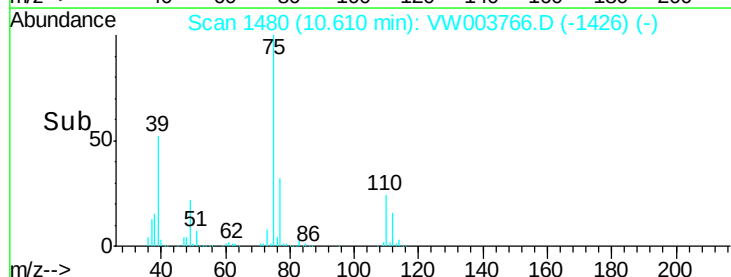
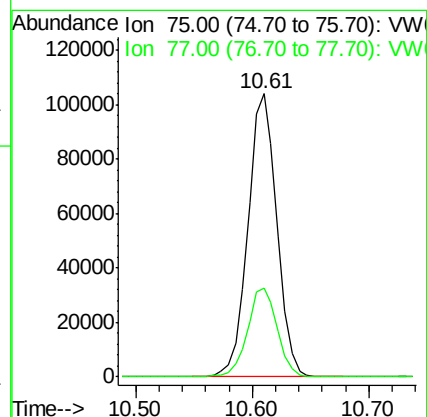
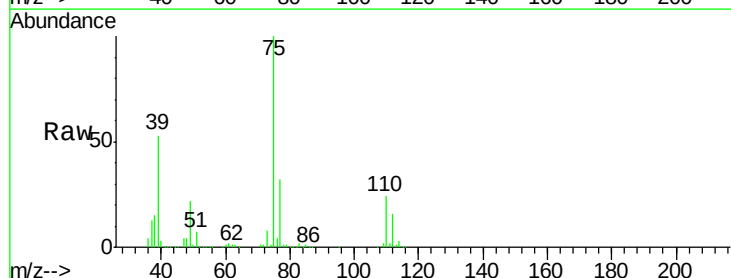
Acq: 07 Jul 2018 14:12

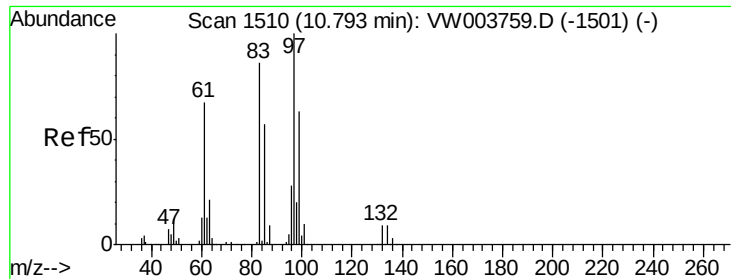
Tgt Ion: 75 Resp: 179220

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.4

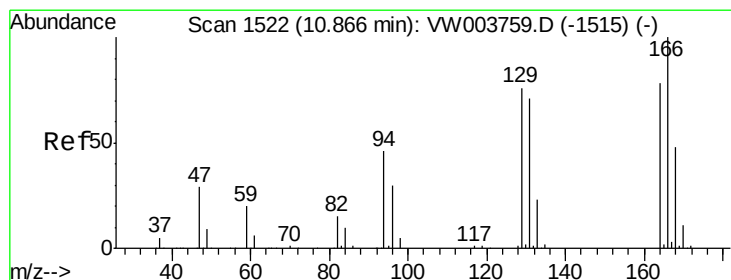
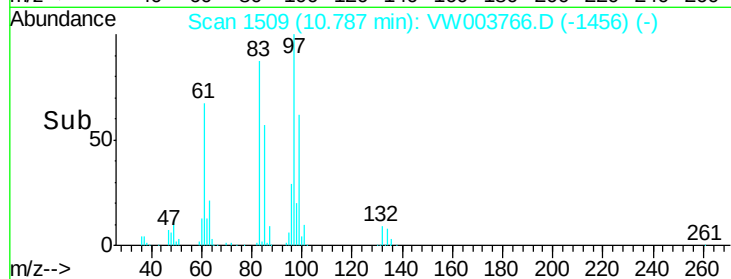
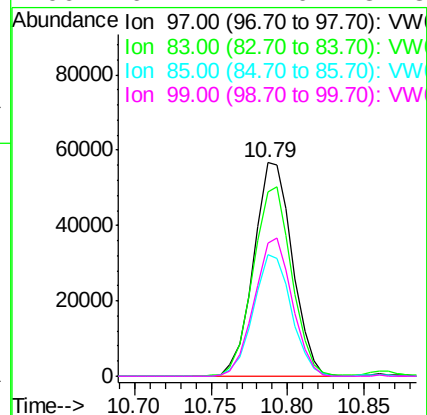
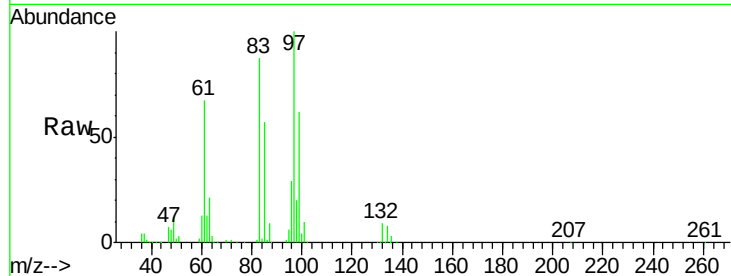




#46
 1,1,2-Trichloroethane
 Concen: 27.512 ug/L
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VW003766.D
 Acq: 07 Jul 2018 14:12

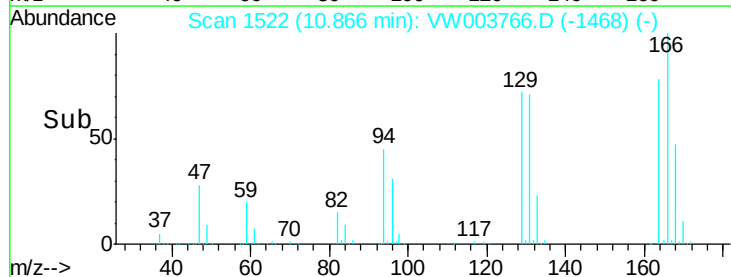
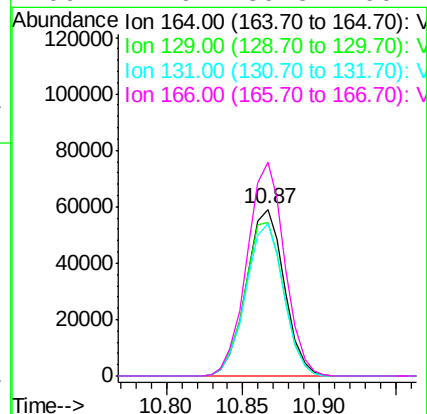
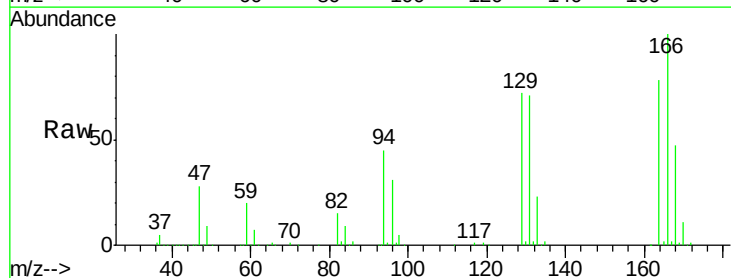
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

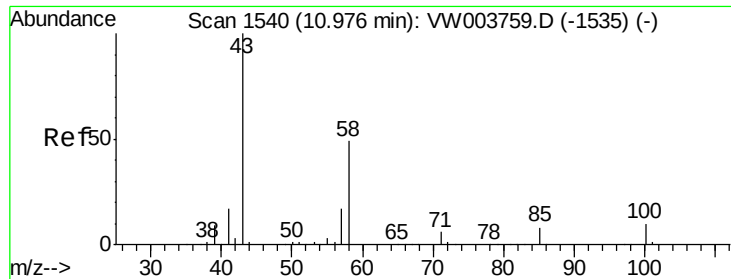
Tgt Ion:	97	Resp:	100018
Ion	Ratio	Lower	Upper
97	100		
83	86.5	60.1	111.5
85	57.0	40.0	74.2
99	62.1	44.0	81.8



#47
 Tetrachloroethene
 Concen: 25.409 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW003766.D
 Acq: 07 Jul 2018 14:12

Tgt Ion:	164	Resp:	101890
Ion	Ratio	Lower	Upper
164	100		
129	92.3	68.3	126.8
131	91.4	63.8	118.4
166	127.9	89.5	166.1

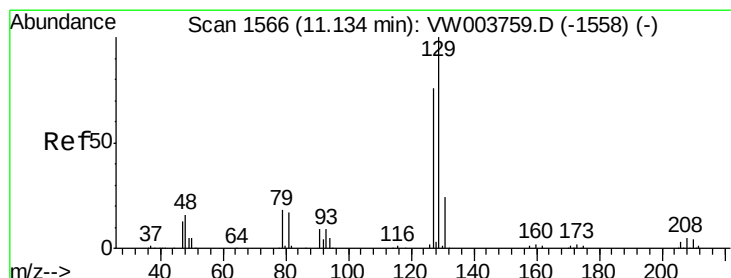
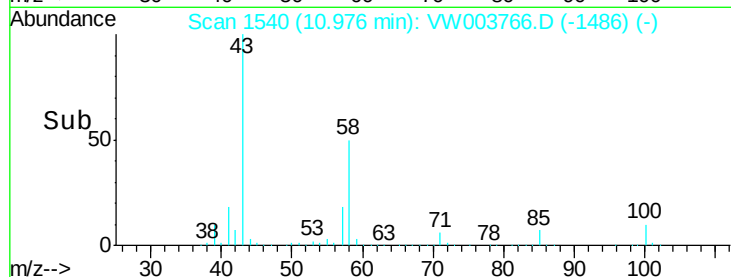
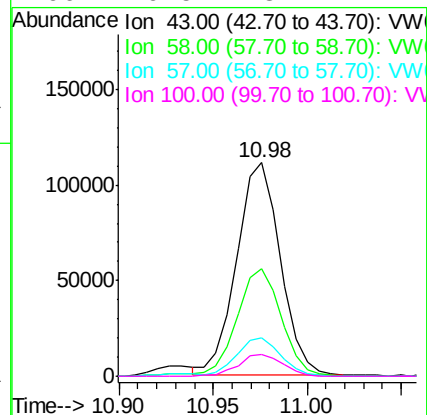
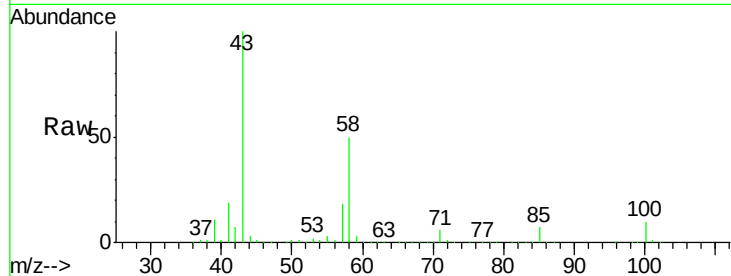




#49
2-Hexanone
Concen: 69.235 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003766.D
Acq: 07 Jul 2018 14:12

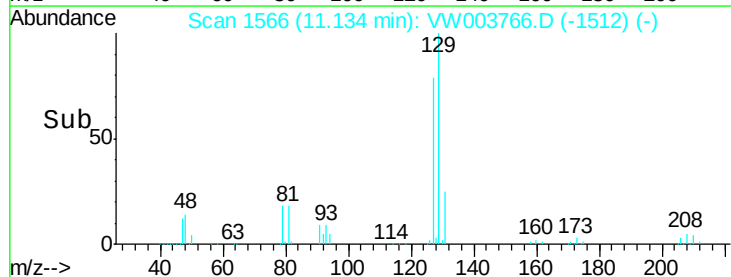
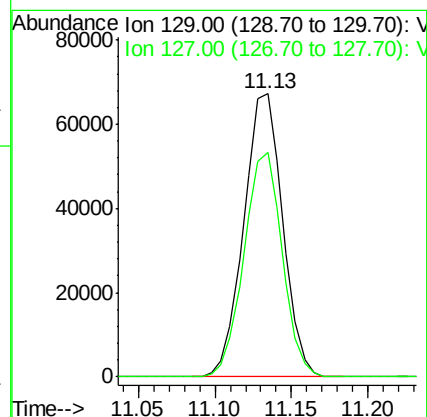
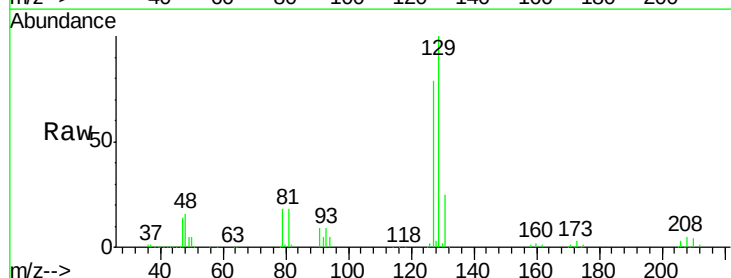
Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

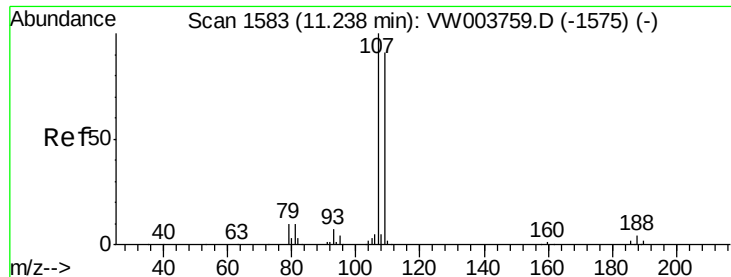
Tgt Ion: 43 Resp: 178542
Ion Ratio Lower Upper
43 100
58 51.2 39.5 59.3
57 18.1 13.8 20.8
100 10.5 8.2 12.2



#50
Dibromochloromethane
Concen: 27.439 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW003766.D
Acq: 07 Jul 2018 14:12

Tgt Ion: 129 Resp: 118873
Ion Ratio Lower Upper
129 100
127 79.5 53.1 98.7

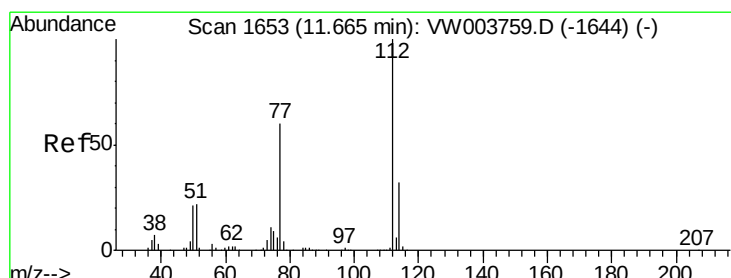
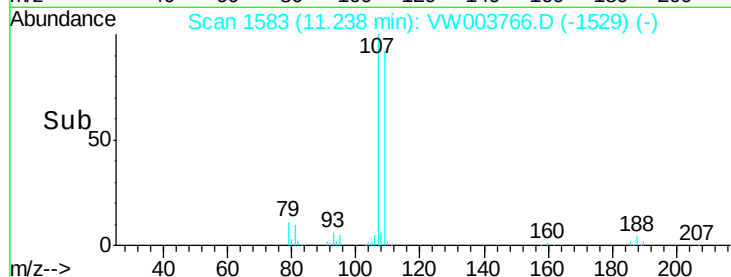
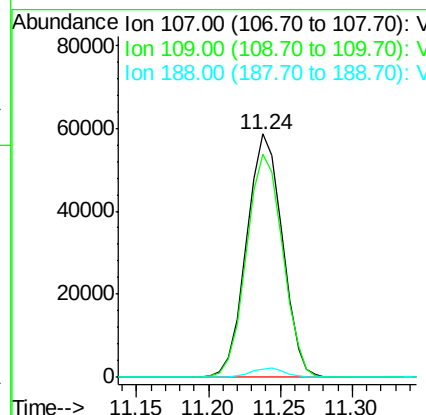
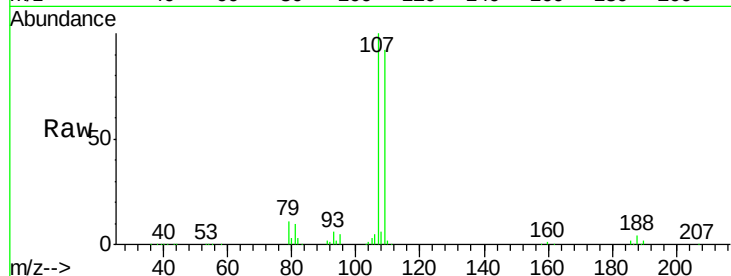




#51
 1,2-Dibromoethane
 Concen: 28.440 ug/L
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW003766.D
 Acq: 07 Jul 2018 14:12

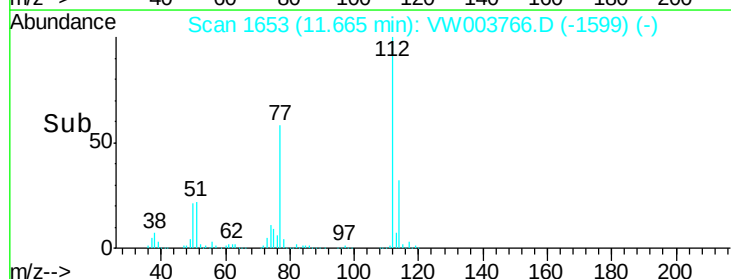
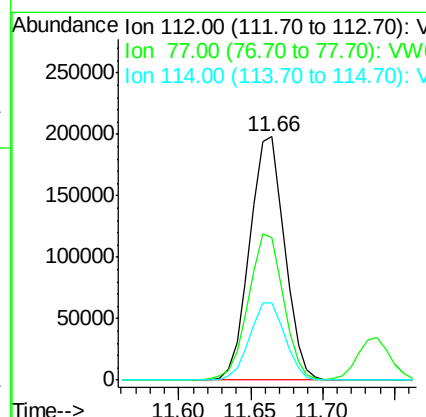
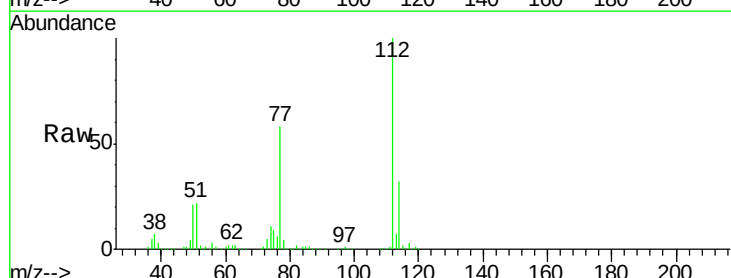
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

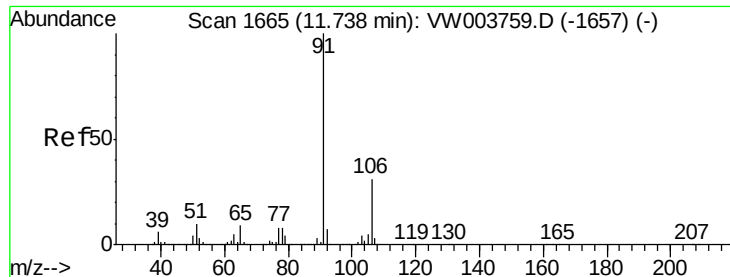
Tgt Ion:107 Resp: 100727
 Ion Ratio Lower Upper
 107 100
 109 91.8 63.7 118.3
 188 3.5 2.9 4.3



#52
 Chlorobenzene
 Concen: 25.817 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: VW003766.D
 Acq: 07 Jul 2018 14:12

Tgt Ion:112 Resp: 331369
 Ion Ratio Lower Upper
 112 100
 77 58.3 47.9 71.9
 114 31.7 22.7 42.1





#53

Ethylbenzene

Concen: 26.436 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW003766.D

Acq: 07 Jul 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

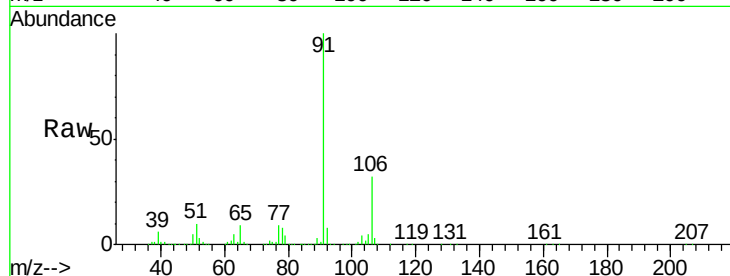
VSTD02593

Tgt Ion: 91 Resp: 589269

Ion Ratio Lower Upper

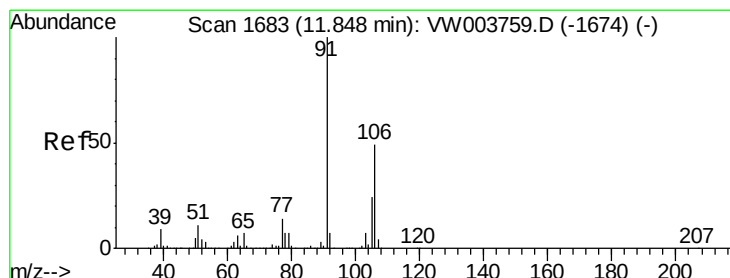
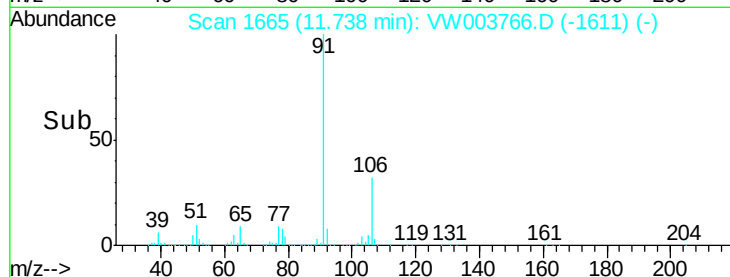
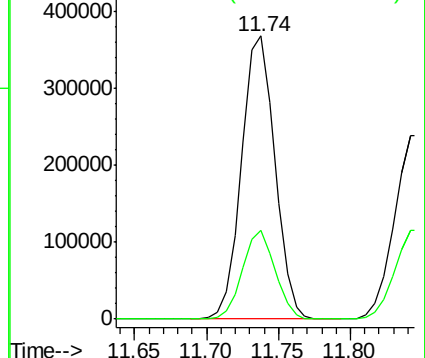
91 100

106 31.6 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: 27.047 ug/L

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW003766.D

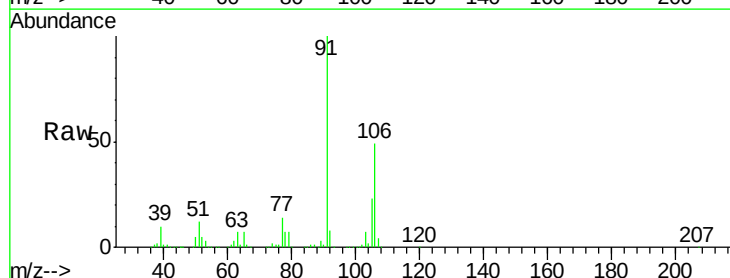
Acq: 07 Jul 2018 14:12

Tgt Ion: 106 Resp: 221694

Ion Ratio Lower Upper

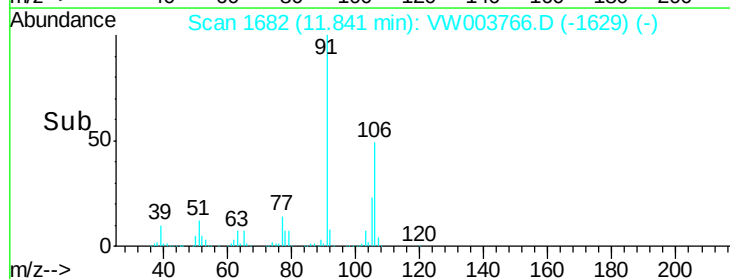
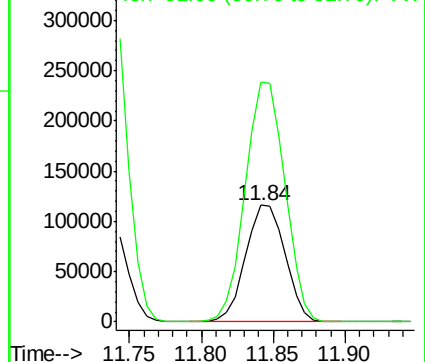
106 100

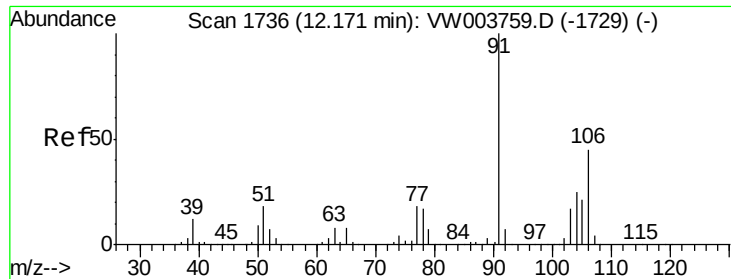
91 205.6 142.9 265.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

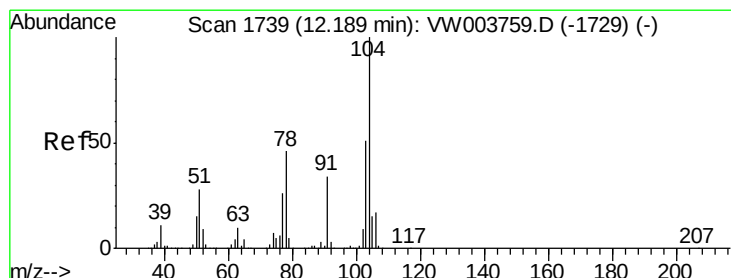
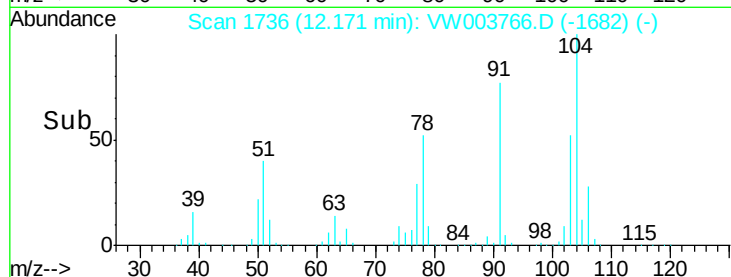
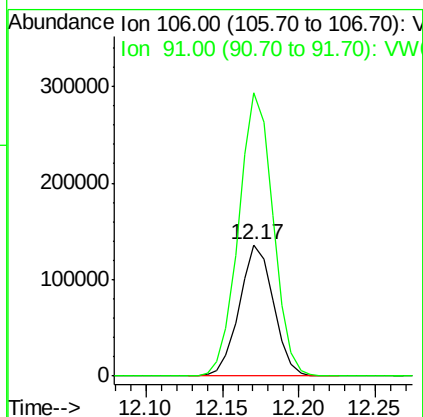
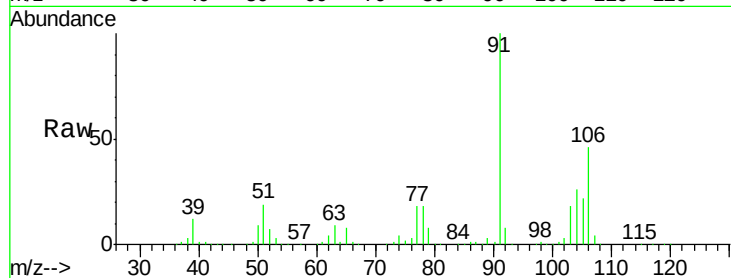




#55
o-xylene
Concen: 27.143 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003766.D
Acq: 07 Jul 2018 14:12

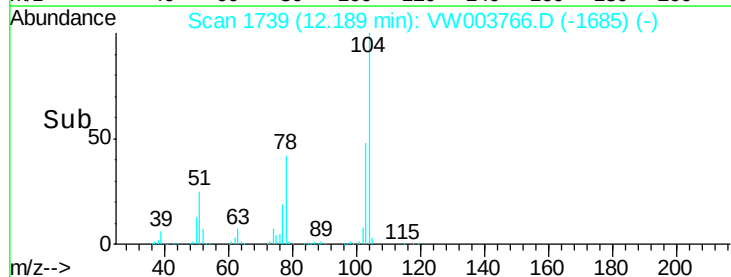
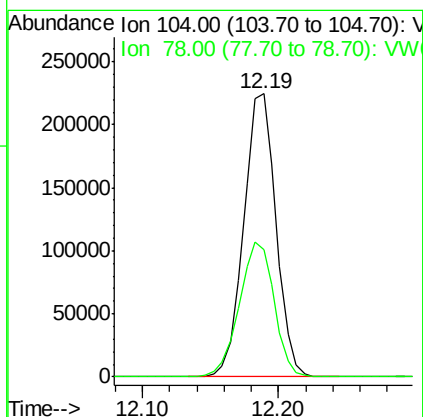
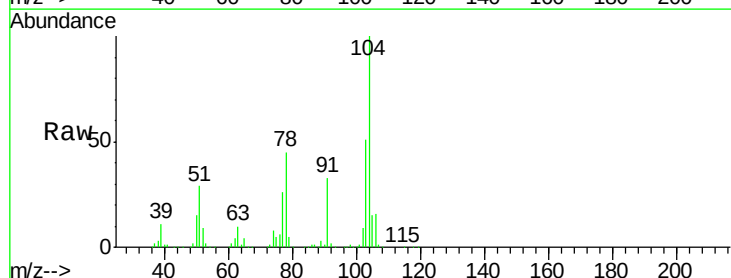
Instrument :
MSVOA_W
ClientSampled :
VSTD02593

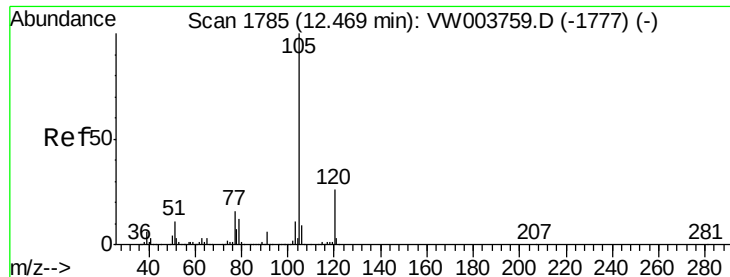
Tgt Ion:106 Resp: 209553
Ion Ratio Lower Upper
106 100
91 215.8 154.1 286.3



#56
Styrene
Concen: 27.800 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW003766.D
Acq: 07 Jul 2018 14:12

Tgt Ion:104 Resp: 372321
Ion Ratio Lower Upper
104 100
78 45.0 32.1 59.7





#57

Isopropylbenzene

Concen: 26.816 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003766.D

Acq: 07 Jul 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02593

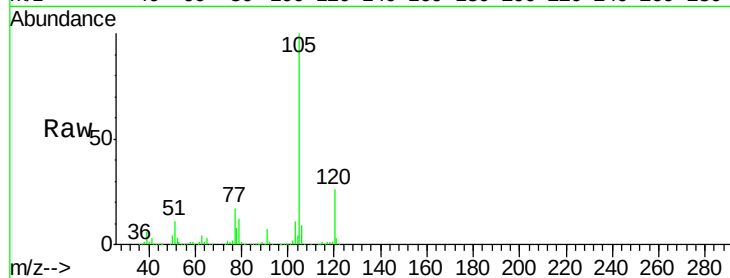
Tgt Ion: 105 Resp: 575146

Ion Ratio Lower Upper

105 100

120 26.2 20.9 31.3

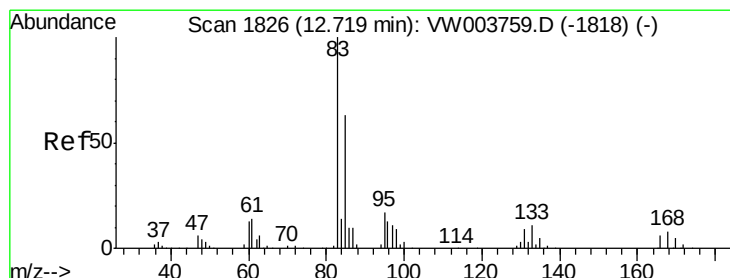
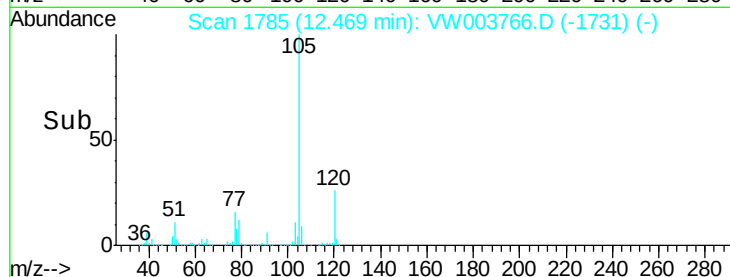
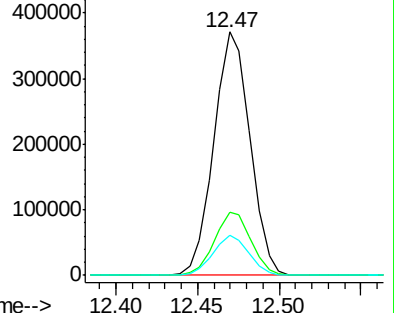
77 16.3 13.0 19.6



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 30.238 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003766.D

Acq: 07 Jul 2018 14:12

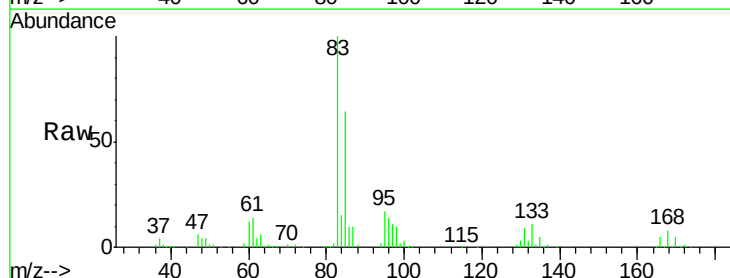
Tgt Ion: 83 Resp: 144324

Ion Ratio Lower Upper

83 100

85 64.0 44.2 82.0

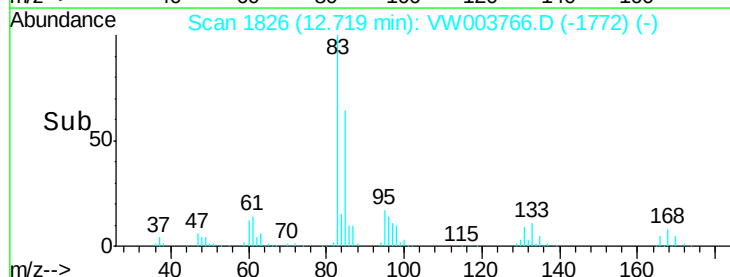
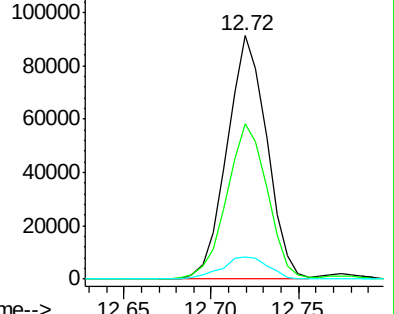
131 9.1 7.5 11.3

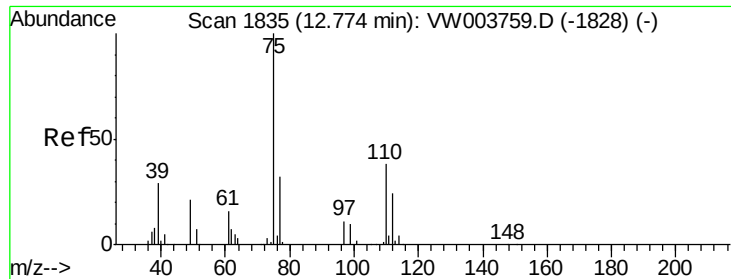


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 30.679 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW003766.D

Acq: 07 Jul 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

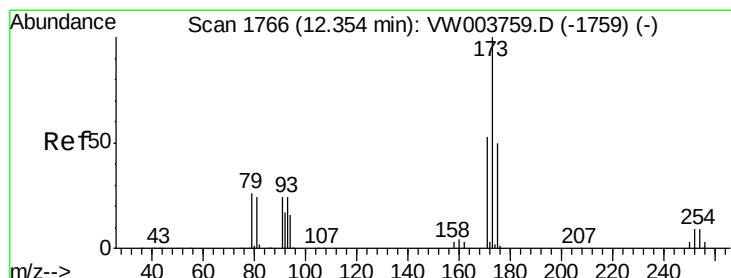
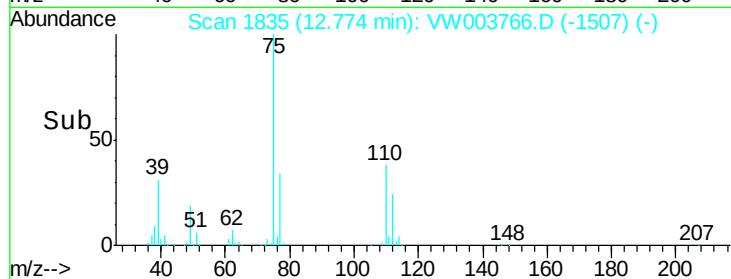
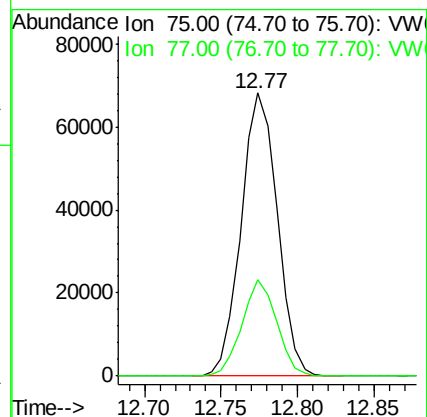
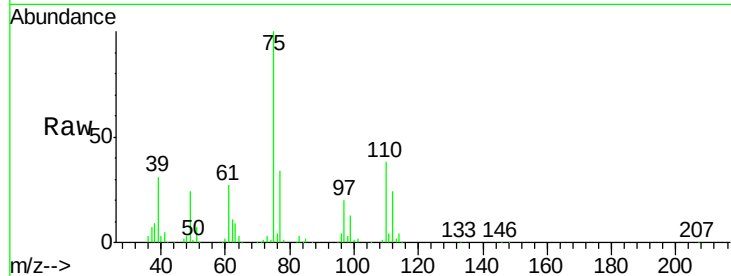
VSTD02593

Tgt Ion: 75 Resp: 111827

Ion Ratio Lower Upper

75 100

77 32.8 26.0 39.0



#62

Bromoform

Concen: 29.152 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003766.D

Acq: 07 Jul 2018 14:12

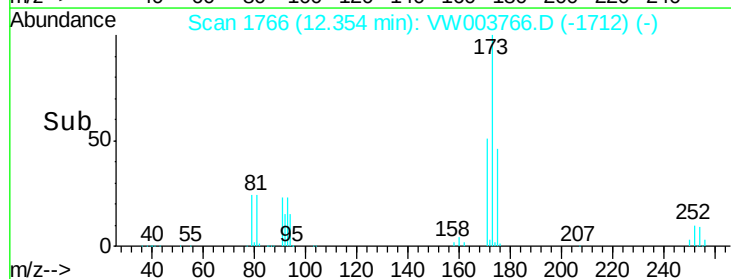
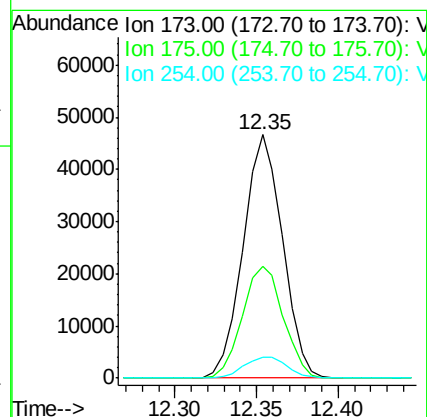
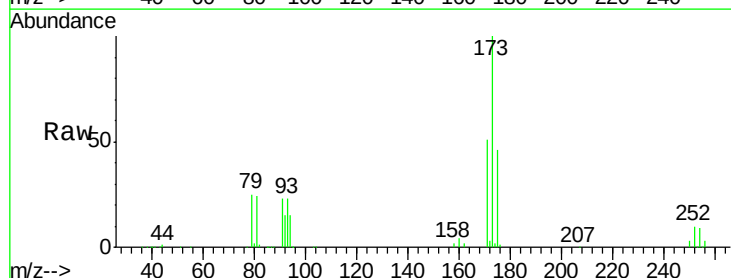
Tgt Ion: 173 Resp: 78605

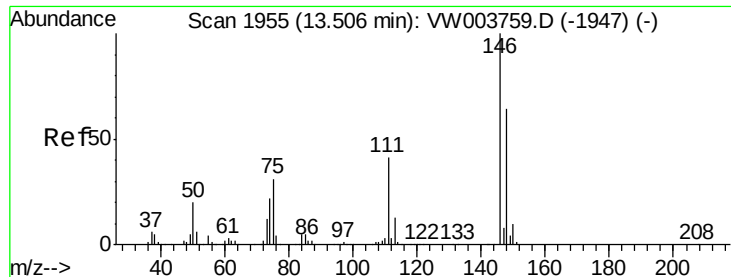
Ion Ratio Lower Upper

173 100

175 47.6 38.7 58.1

254 9.7 7.7 11.5





#63

1,3-Dichlorobenzene

Concen: 25.455 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW003766.D

Acq: 07 Jul 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02593

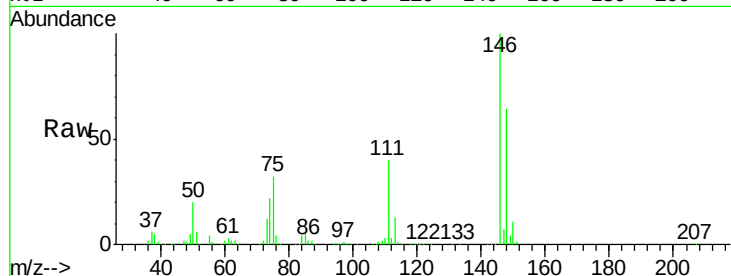
Tgt Ion:146 Resp: 254067

Ion Ratio Lower Upper

146 100

111 40.0 28.3 52.7

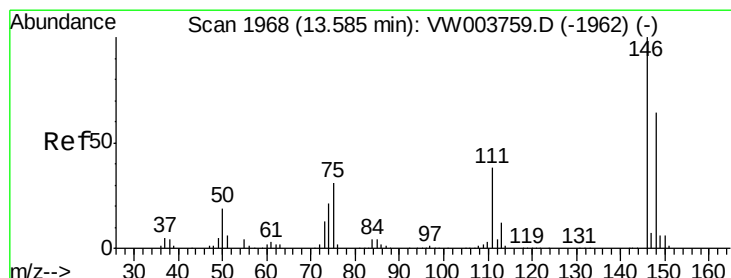
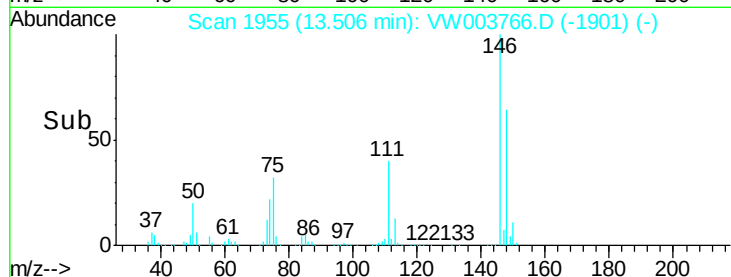
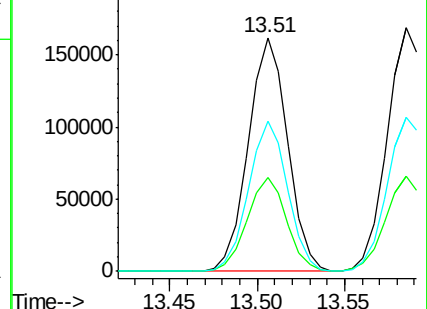
148 64.0 45.1 83.7



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



#64

1,4-Dichlorobenzene

Concen: 25.424 ug/L

RT: 13.59 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW003766.D

Acq: 07 Jul 2018 14:12

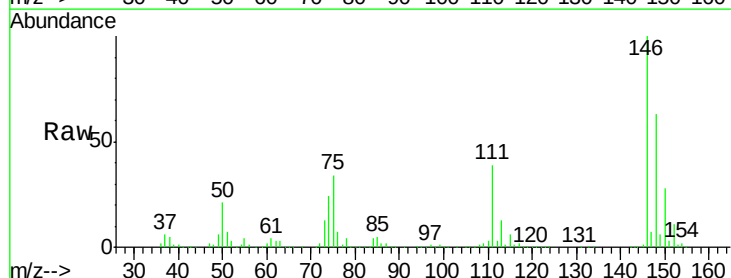
Tgt Ion:146 Resp: 268559

Ion Ratio Lower Upper

146 100

111 39.2 26.9 50.1

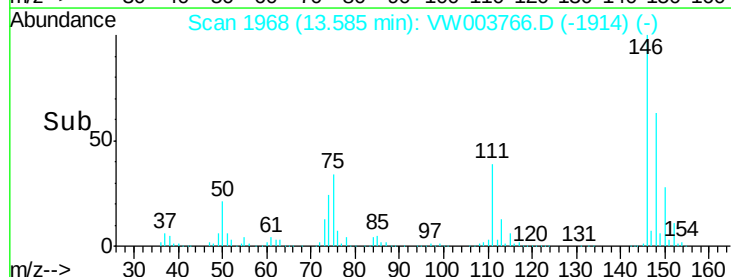
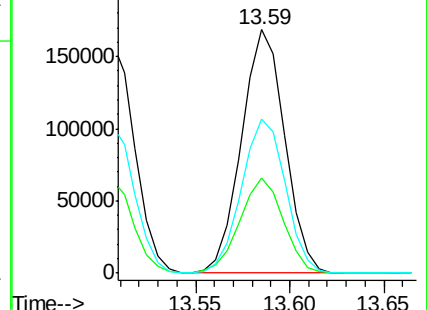
148 63.4 44.6 82.8

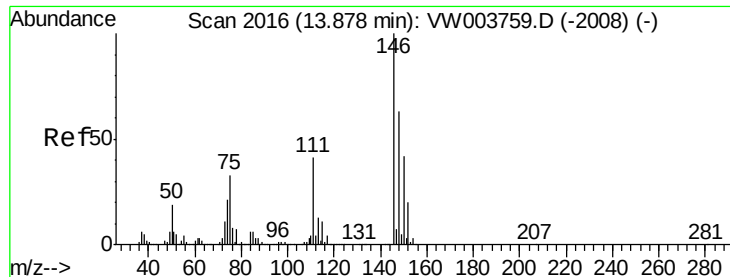


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

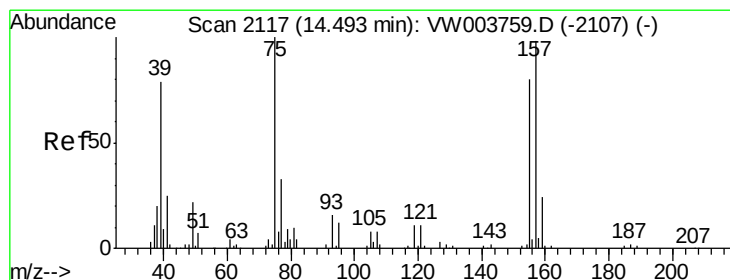
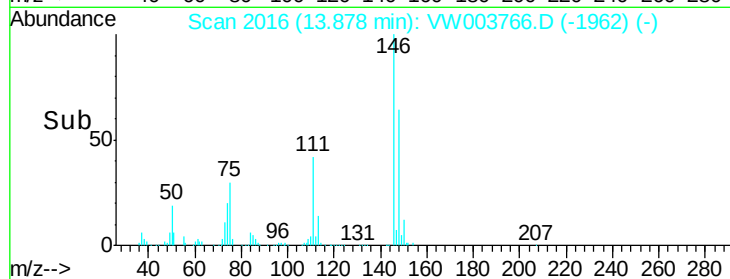
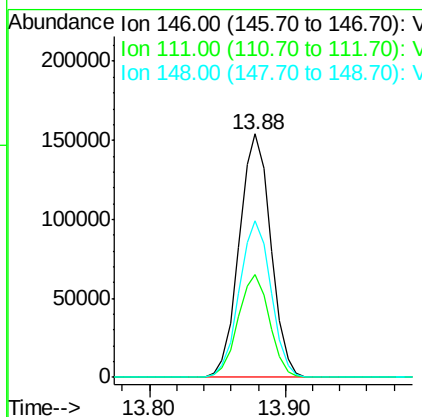
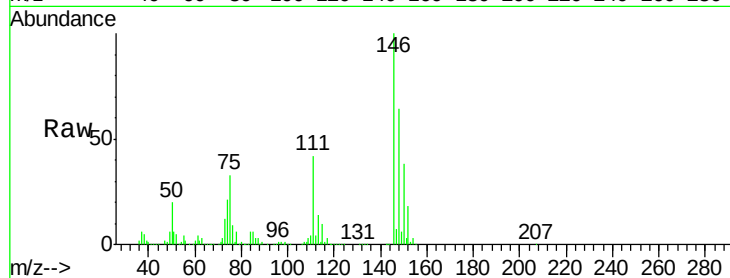




#65
 1,2-Dichlorobenzene
 Concen: 25.909 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW003766.D
 Acq: 07 Jul 2018 14:12

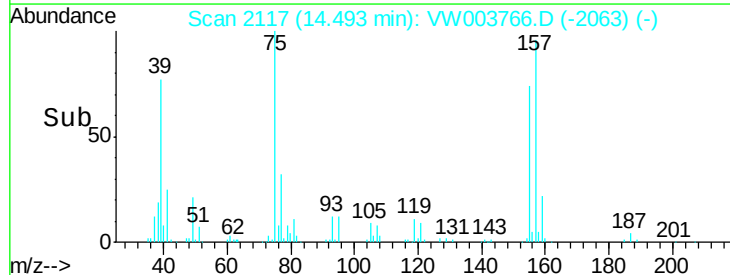
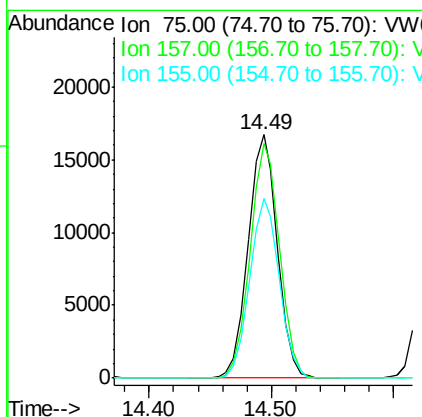
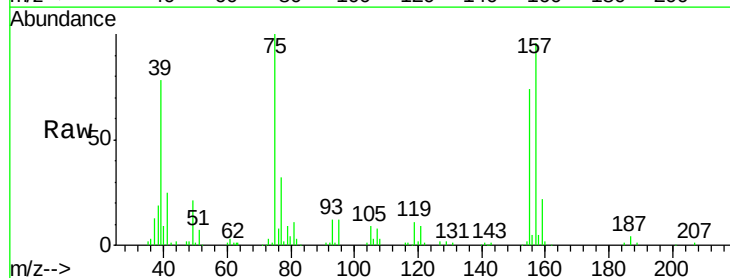
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

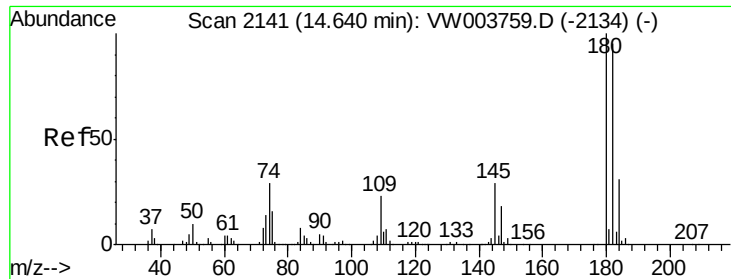
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	32.6	48.8
148	64.3	50.3	75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 32.494 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW003766.D
 Acq: 07 Jul 2018 14:12

Tgt Ion	Ratio	Lower	Upper
75	100		
157	96.2	78.6	118.0
155	73.7	63.7	95.5

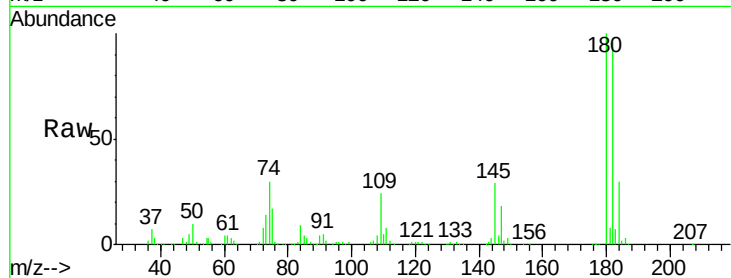




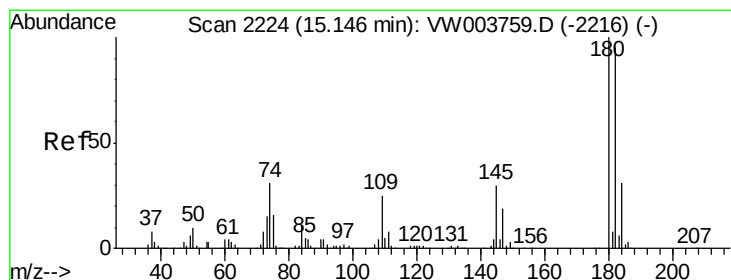
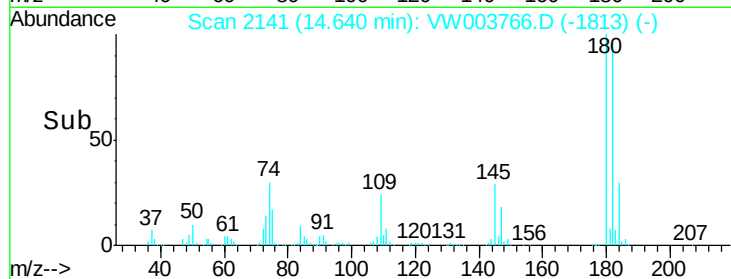
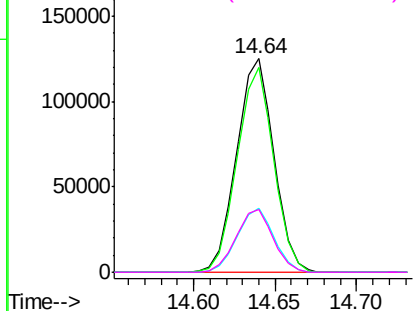
#67
 1,3,5-Trichlorobenzene
 Concen: 25.523 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW003766.D
 Acq: 07 Jul 2018 14:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

Tgt Ion:180 Resp: 199077
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.7 113.5
 184 29.7 24.4 36.6
 145 29.3 23.5 35.3

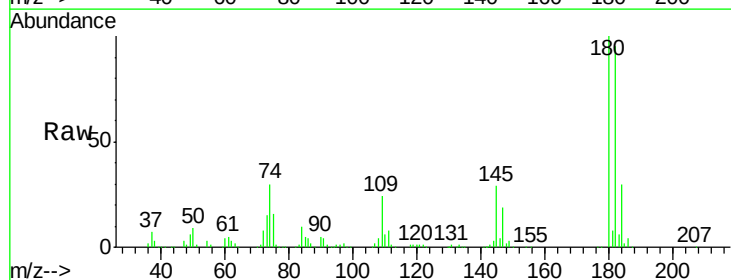


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

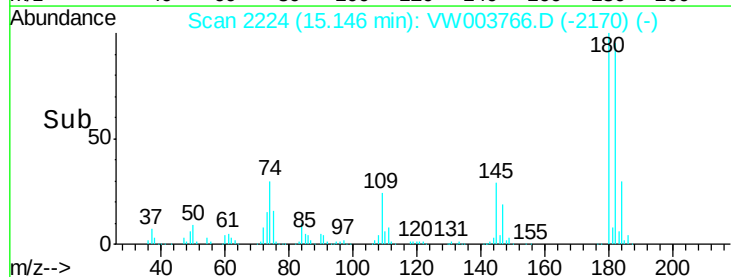
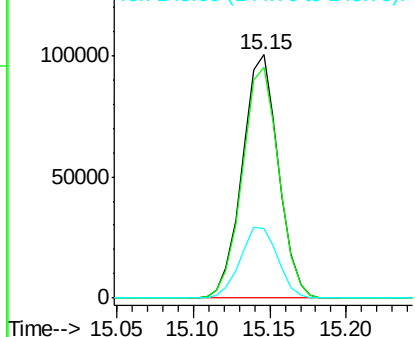


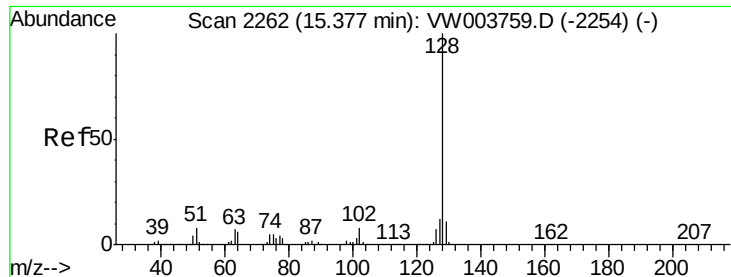
#68
 1,2,4-trichlorobenzene
 Concen: 26.013 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW003766.D
 Acq: 07 Jul 2018 14:12

Tgt Ion:180 Resp: 164264
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.4 114.6
 145 30.3 24.2 36.2



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





#69

Naphthalene

Concen: 31.320 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW003766.D

Acq: 07 Jul 2018 14:12

Instrument :

MSVOA_W

ClientSampled :

VSTD02593

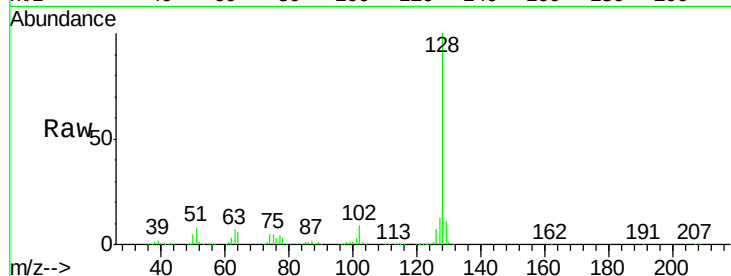
Tgt Ion:128 Resp: 398532

Ion Ratio Lower Upper

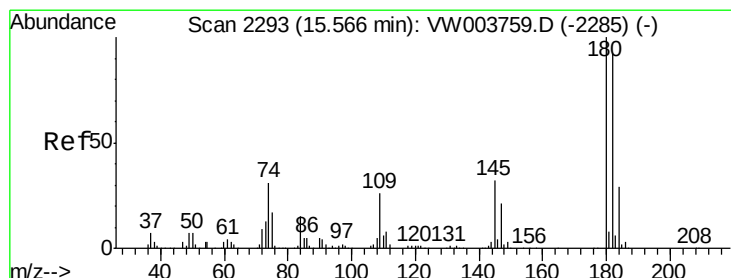
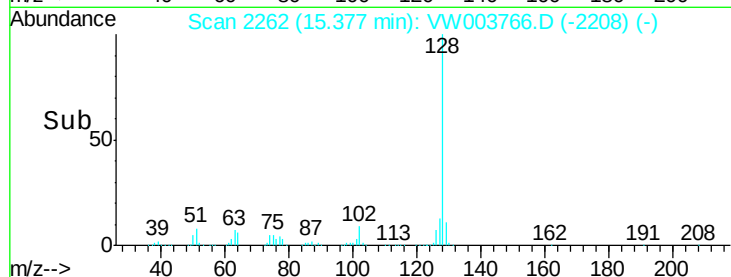
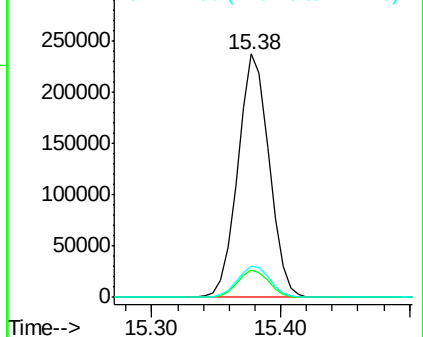
128 100

129 11.1 8.7 13.1

127 13.5 10.6 16.0



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



#70

1,2,3-Trichlorobenzene

Concen: 27.502 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW003766.D

Acq: 07 Jul 2018 14:12

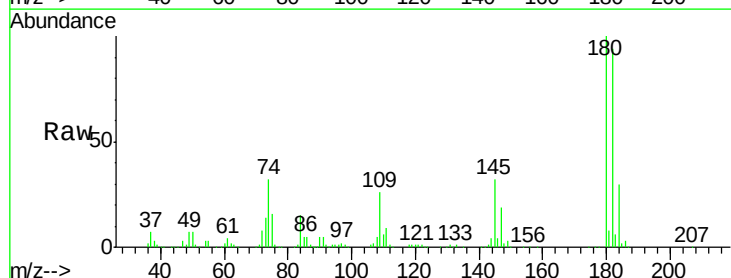
Tgt Ion:180 Resp: 161377

Ion Ratio Lower Upper

180 100

182 95.5 75.8 113.6

145 32.2 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

