

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070818\
 Data File : VW003760.D
 Acq On : 07 Jul 2018 10:44
 Operator : SY/AP
 Sample : VSTD05090
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05090

Quant Time: Jul 09 04:18:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070818S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 09 04:17:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	388573	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	366325	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	188293	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	209338	40.15	ug/L	0.00
7) Chloroethane-d5	2.89	69	168336	42.32	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	454448	45.80	ug/L	0.00
20) 2-Butanone-d5	7.09	46	158750	96.45	ug/L	0.00
24) Chloroform-d	7.65	84	446080	42.16	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	264909	41.80	ug/L	0.00
29) Benzene-d6	8.27	84	851440	43.88	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	276227	43.80	ug/L	0.00
37) Toluene-d8	10.33	98	822354	44.73	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	130739	45.24	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	124313	102.90	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	262924	44.57	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	307550	43.21	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	86091	26.048 ug/L	90
3) Chloromethane	2.21	50	166722	36.895 ug/L	100
5) Vinyl chloride	2.36	62	259053	39.224 ug/L	98
6) Bromomethane	2.78	94	147154	38.893 ug/L	98
8) Chloroethane	2.92	64	158520	43.673 ug/L	100
9) Trichlorofluoromethane	3.25	101	136171	44.257 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	232353	47.538 ug/L	99
12) 1,1-Dichloroethene	4.03	96	225151	47.060 ug/L	98
13) Acetone	4.15	43	144444	79.319 ug/L	100
14) Carbon disulfide	4.37	76	730444	46.819 ug/L	100
15) Methyl Acetate	4.68	43	146020	50.197 ug/L	100
16) Methylene chloride	4.91	84	236688	37.998 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	462192	50.620 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	242213	46.694 ug/L	99
19) 1,1-Dichloroethane	6.21	63	455399	45.120 ug/L	99
21) 2-Butanone	7.19	43	203147	88.727 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	266528	46.841 ug/L	96
23) Bromochloromethane	7.51	128	119764	44.711 ug/L	97
25) Chloroform	7.68	83	468967	44.779 ug/L	98
27) 1,2-Dichloroethane	8.40	62	337290	43.999 ug/L	97
30) Cyclohexane	7.96	56	437825	51.174 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	379747	46.452 ug/L	100
32) Carbon tetrachloride	8.07	117	367936	45.983 ug/L	99
34) Benzene	8.32	78	1035206	46.897 ug/L	100
35) Trichloroethene	9.09	95	271537	46.242 ug/L	99
36) Methylcyclohexane	9.34	83	496412	50.272 ug/L	98
40) 1,2-Dichloropropane	9.37	63	275420	47.106 ug/L	99
41) Bromodichloromethane	9.65	83	349354	45.950 ug/L	100
42) cis-1,3-Dichloropropene	10.08	75	430697	49.448 ug/L	100
43) 4-Methyl-2-pentanone	10.22	43	419411	99.762 ug/L	99

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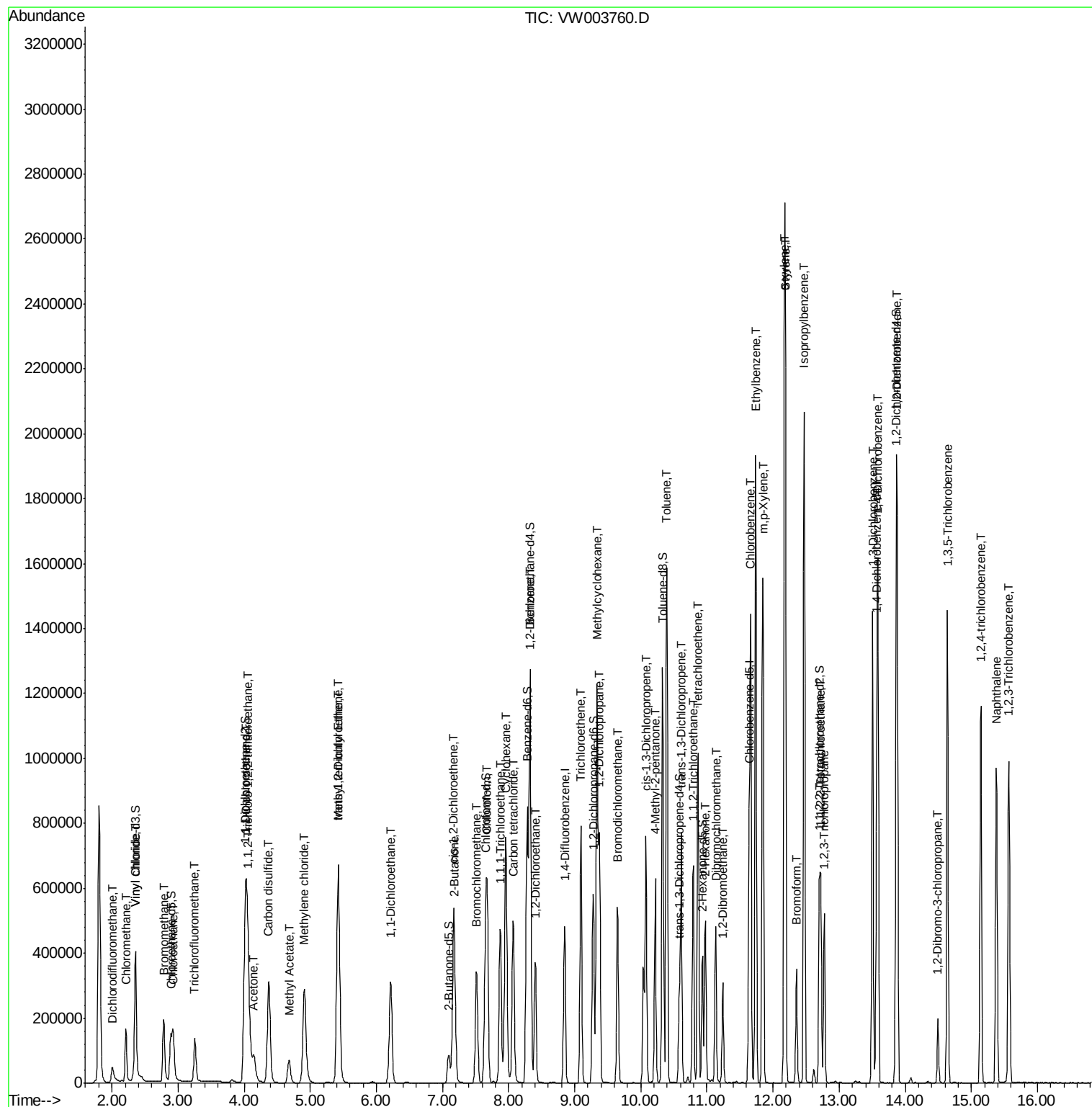
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1141341	48.375	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	388580	48.813	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	206447	46.434	ug/L	99
47) Tetrachloroethene	10.87	164	225276	46.274	ug/L	99
49) 2-Hexanone	10.98	43	320256	98.961	ug/L	98
50) Dibromochloromethane	11.13	129	249640	46.904	ug/L	99
51) 1,2-Dibromoethane	11.24	107	203496	47.475	ug/L	97
52) Chlorobenzene	11.66	112	720961	46.448	ug/L	98
53) Ethylbenzene	11.74	91	1315606	49.331	ug/L	100
54) m,p-Xylene	11.85	106	487854	49.678	ug/L	99
55) o-xylene	12.17	106	468389	50.511	ug/L	99
56) Styrene	12.19	104	815672	50.297	ug/L	99
57) Isopropylbenzene	12.47	105	1292613	50.818	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	276340	46.782	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	209611	47.574	ug/L	99
62) Bromoform	12.35	173	156134	46.308	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	563537	47.337	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	585078	45.391	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	539744	46.393	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	47546	45.196	ug/L	98
67) 1,3,5-Trichlorobenzene	14.64	180	438948	46.792	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	367825	48.822	ug/L	99
69) Naphthalene	15.38	128	807851	53.565	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	338741	47.592	ug/L	99

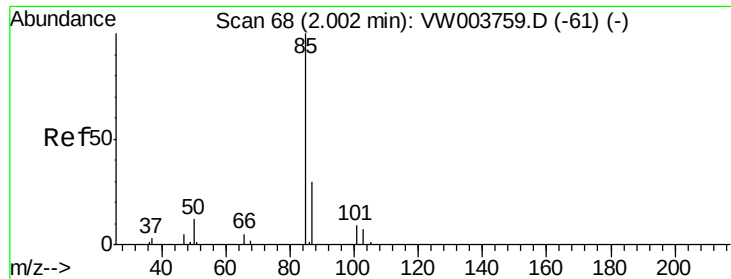
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.048 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003760.D

Acq: 07 Jul 2018 10:44

Instrument :

MSVOA_W

ClientSampleId :

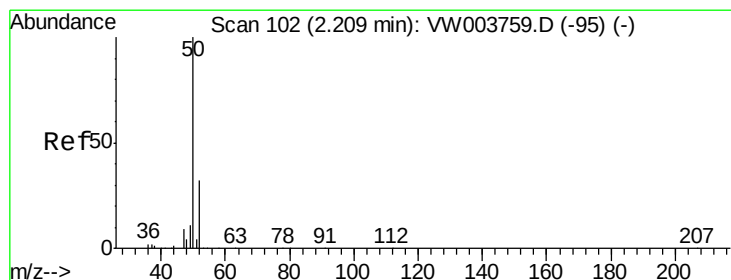
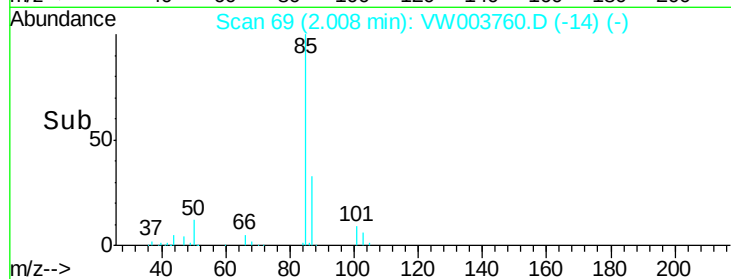
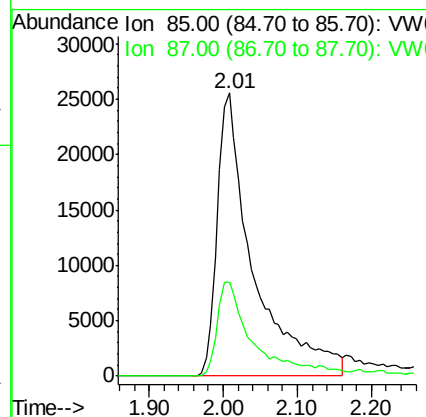
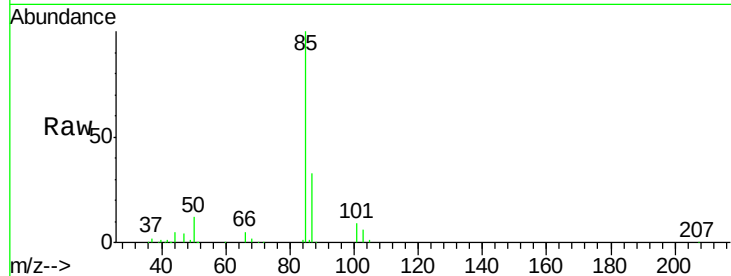
VSTD05090

Tgt Ion: 85 Resp: 86091

Ion Ratio Lower Upper

85 100

87 28.3 16.4 30.4



#3

Chloromethane

Concen: 36.895 ug/L

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW003760.D

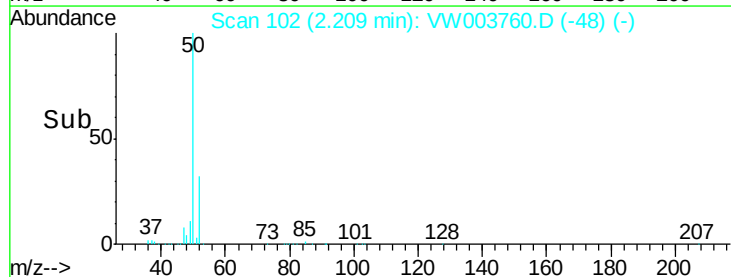
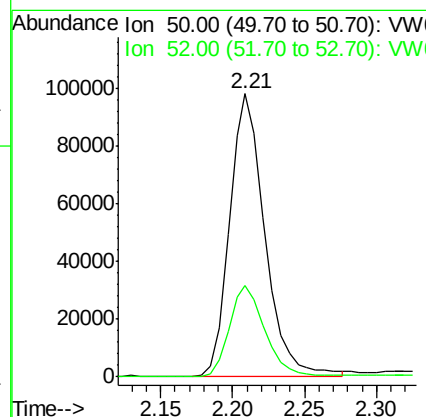
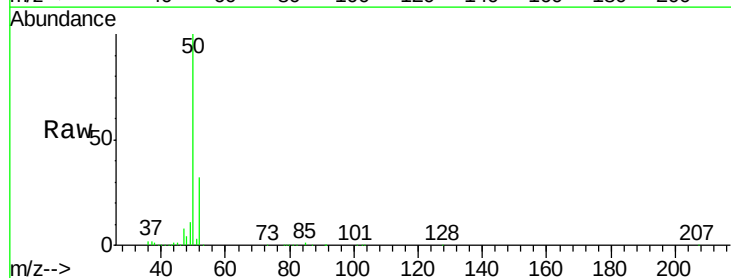
Acq: 07 Jul 2018 10:44

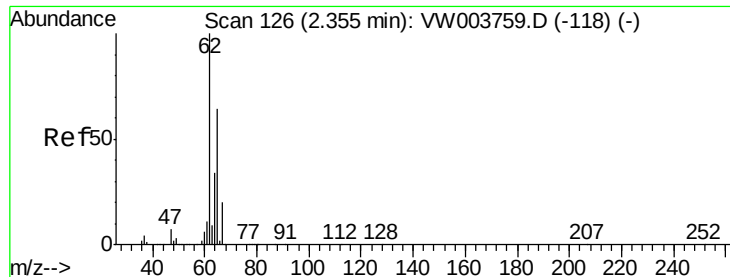
Tgt Ion: 50 Resp: 166722

Ion Ratio Lower Upper

50 100

52 32.4 22.7 42.3





#5

Vinyl chloride

Concen: 39.224 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003760.D

Acq: 07 Jul 2018 10:44

Instrument :

MSVOA_W

ClientSampleId :

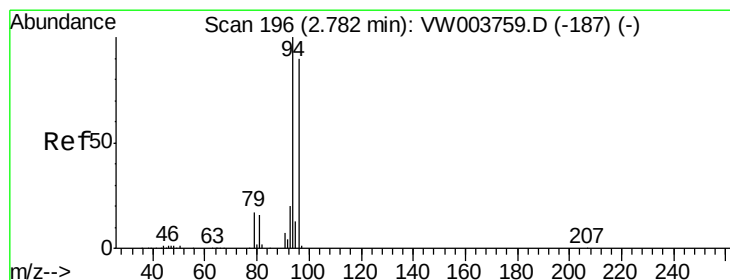
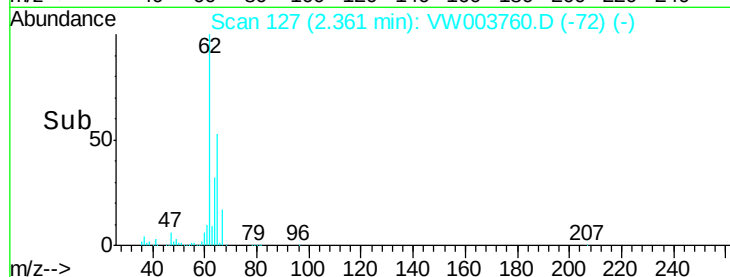
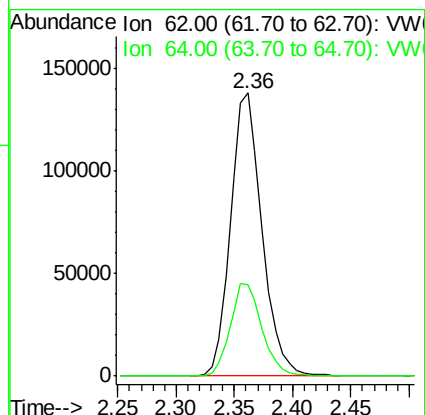
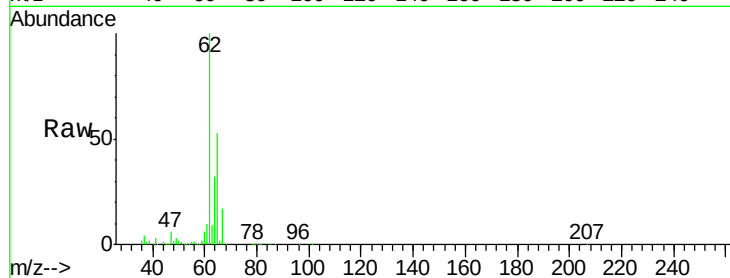
VSTD05090

Tgt Ion: 62 Resp: 259053

Ion Ratio Lower Upper

62 100

64 32.4 23.4 43.6



#6

Bromomethane

Concen: 38.893 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW003760.D

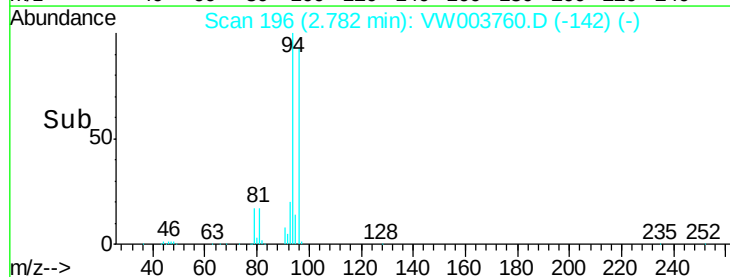
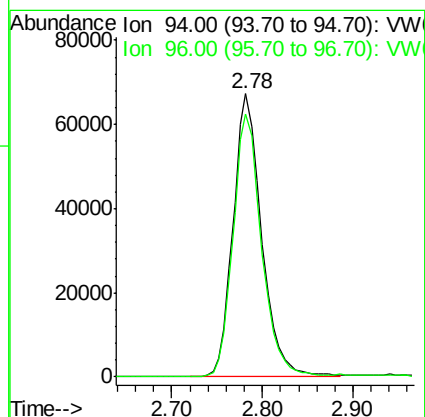
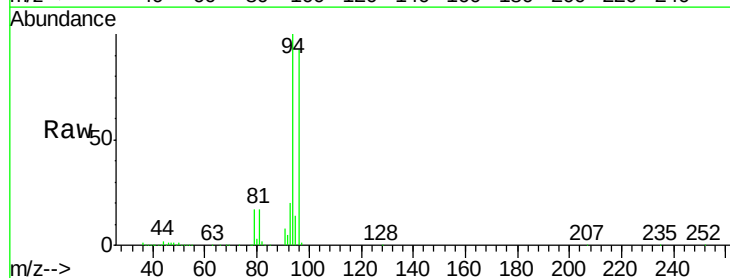
Acq: 07 Jul 2018 10:44

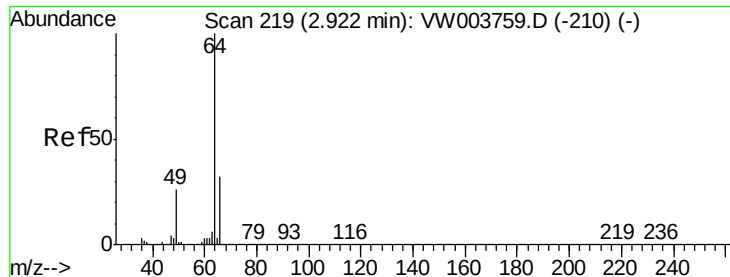
Tgt Ion: 94 Resp: 147154

Ion Ratio Lower Upper

94 100

96 92.6 9.4 179.5





#8

Chloroethane

Concen: 43.673 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VW003760.D

Acq: 07 Jul 2018 10:44

Instrument :

MSVOA_W

ClientSampleId :

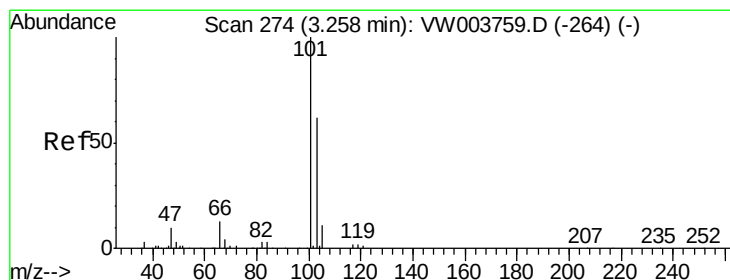
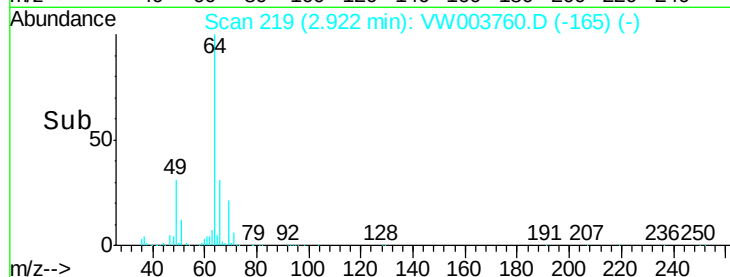
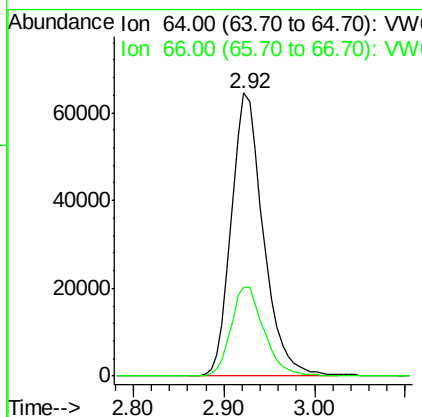
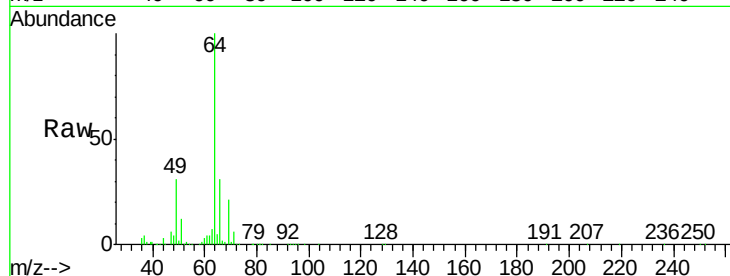
VSTD05090

Tgt Ion: 64 Resp: 158520

Ion Ratio Lower Upper

64 100

66 31.5 22.1 41.1



#9

Trichlorofluoromethane

Concen: 44.257 ug/L

RT: 3.25 min Scan# 273

Delta R.T. -0.01 min

Lab File: VW003760.D

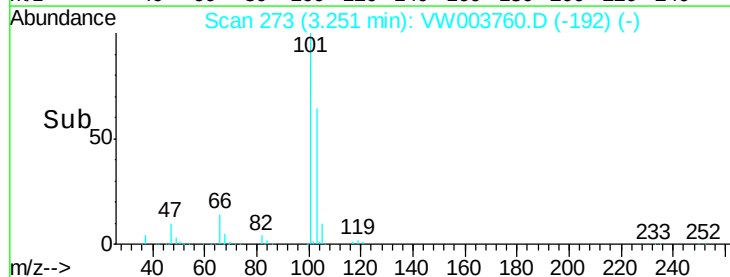
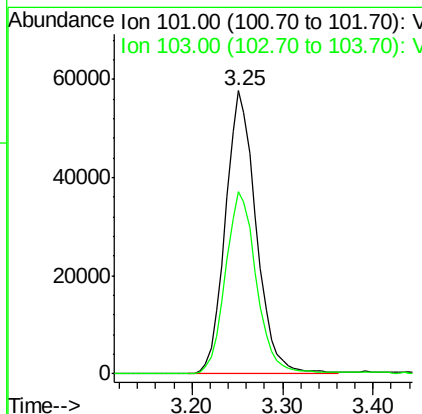
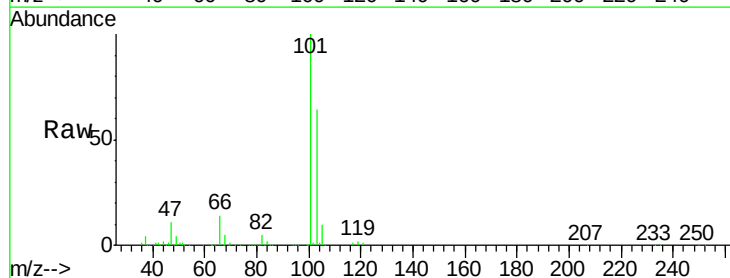
Acq: 07 Jul 2018 10:44

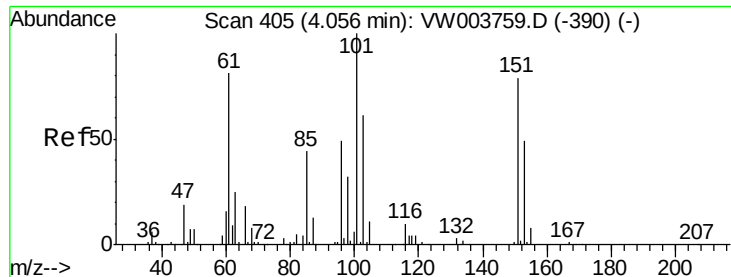
Tgt Ion: 101 Resp: 136171

Ion Ratio Lower Upper

101 100

103 64.7 44.5 82.7





#11

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

Concen: 47.538 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW003760.D

Acq: 07 Jul 2018 10:44

Instrument :

MSVOA_W

ClientSampled :

VSTD05090

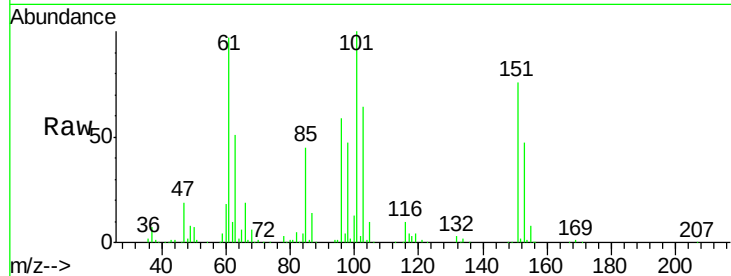
Tgt Ion:101 Resp: 232353

Ion Ratio Lower Upper

101 100

85 44.1 36.6 55.0

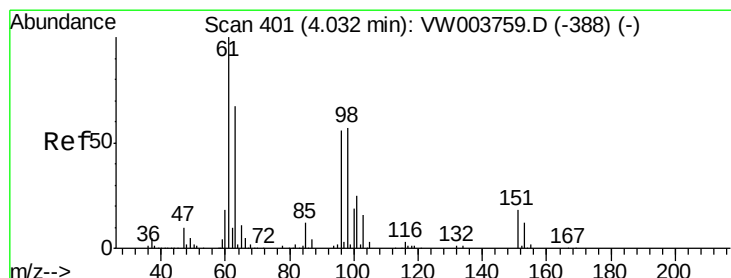
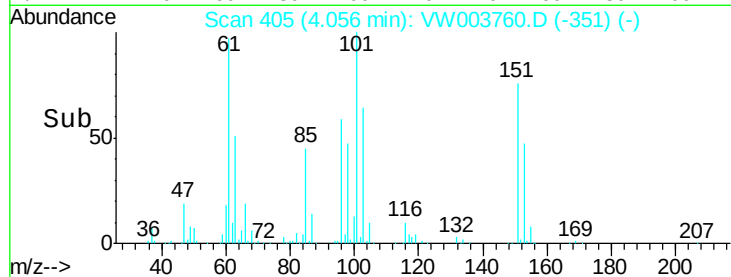
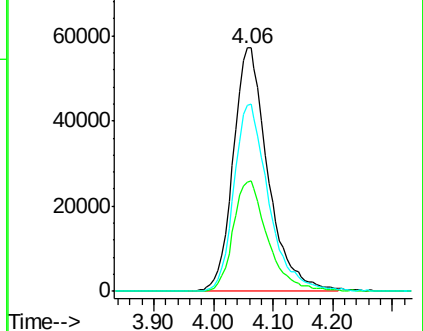
151 76.3 61.4 92.0



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: 47.060 ug/L

RT: 4.03 min Scan# 401

Delta R.T. -0.00 min

Lab File: VW003760.D

Acq: 07 Jul 2018 10:44

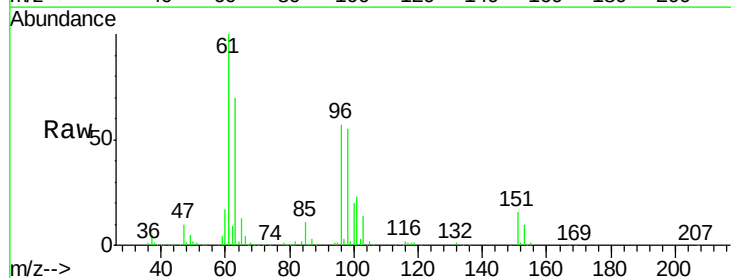
Tgt Ion: 96 Resp: 225151

Ion Ratio Lower Upper

96 100

61 177.0 126.2 234.4

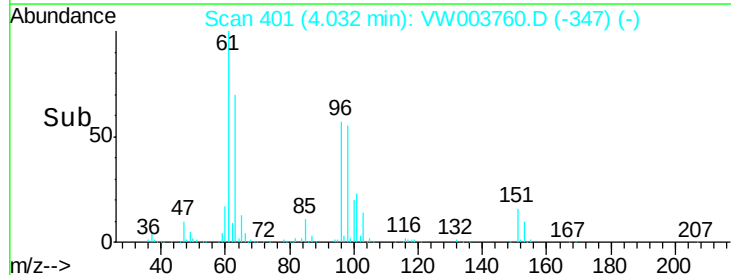
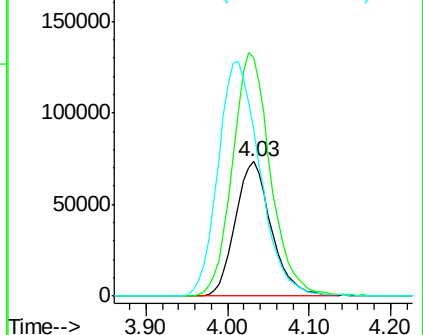
63 124.3 85.8 159.4

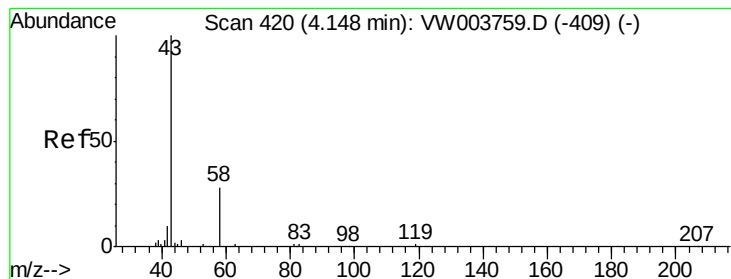


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 79.319 ug/L

RT: 4.15 min Scan# 420

Delta R.T. -0.00 min

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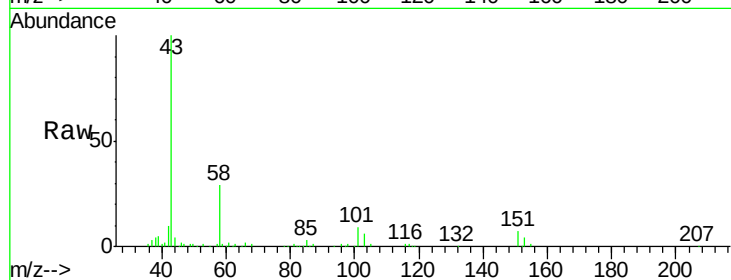
VSTD05090

Tgt Ion: 43 Resp: 144444

Ion Ratio Lower Upper

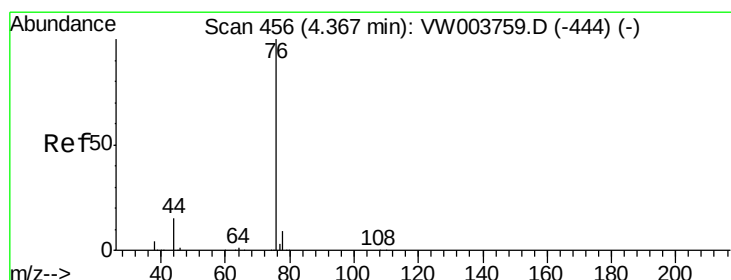
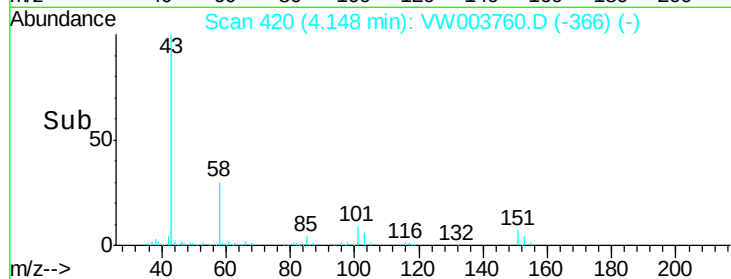
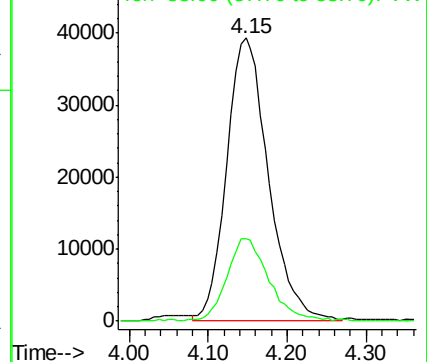
43 100

58 29.0 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: 46.819 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW003760.D

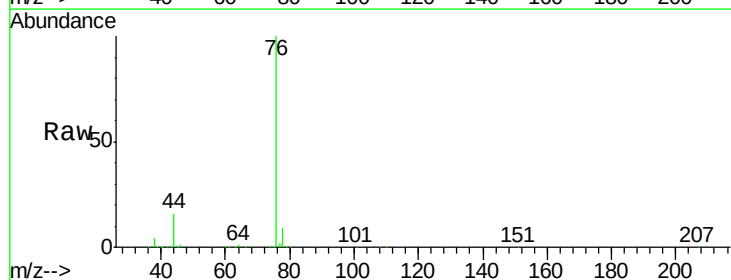
Acq: 07 Jul 2018 10:44

Tgt Ion: 76 Resp: 730444

Ion Ratio Lower Upper

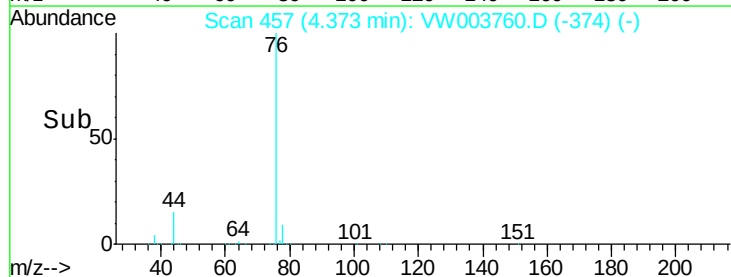
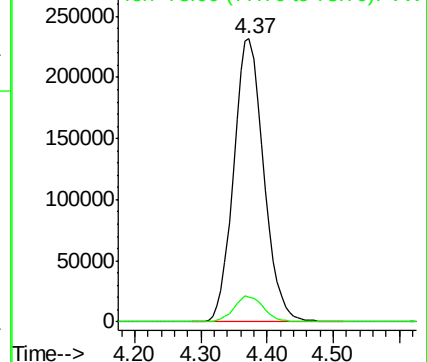
76 100

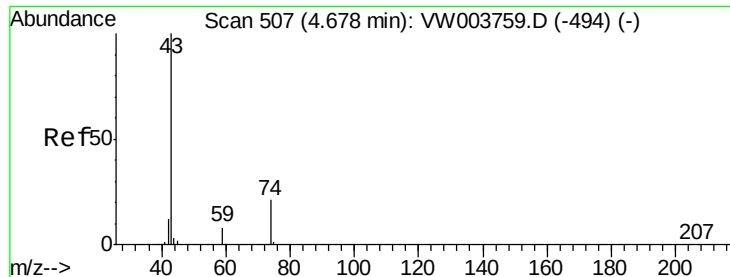
78 8.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

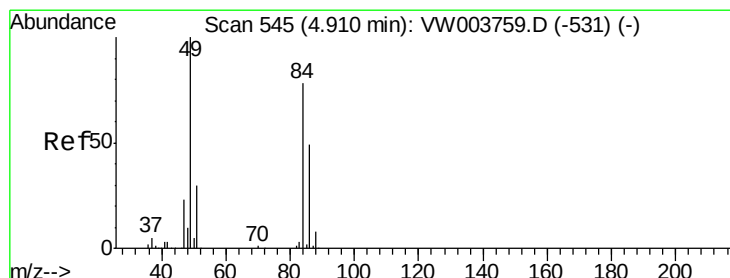
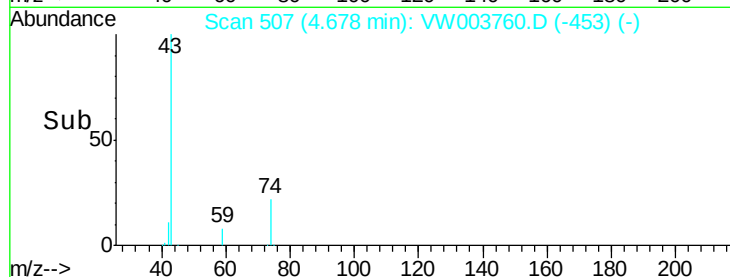
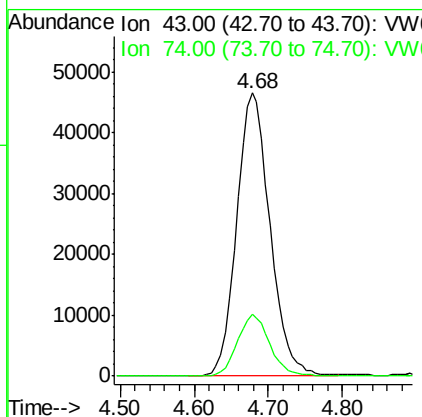
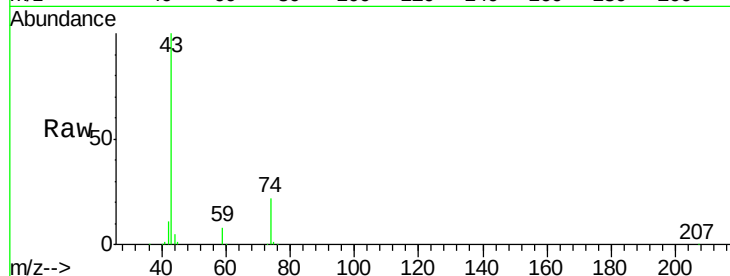




#15
Methyl Acetate
Concen: 50.197 ug/L
RT: 4.68 min Scan# 507
Delta R.T. -0.00 min
Lab File: VW003760.D
Acq: 07 Jul 2018 10:44

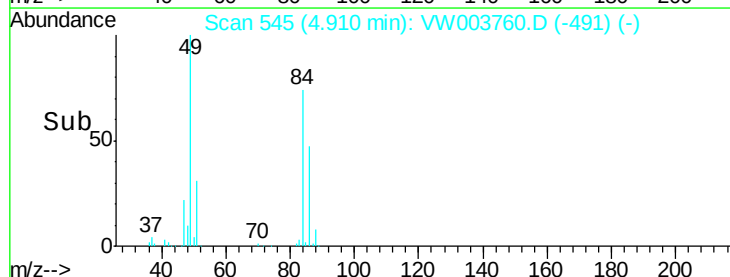
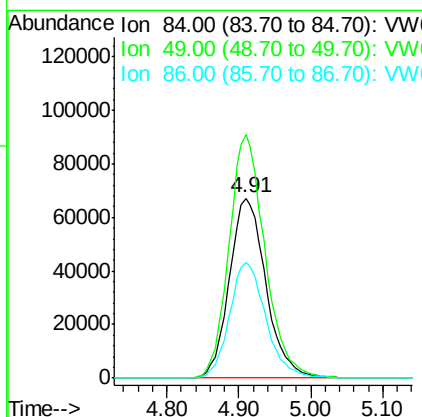
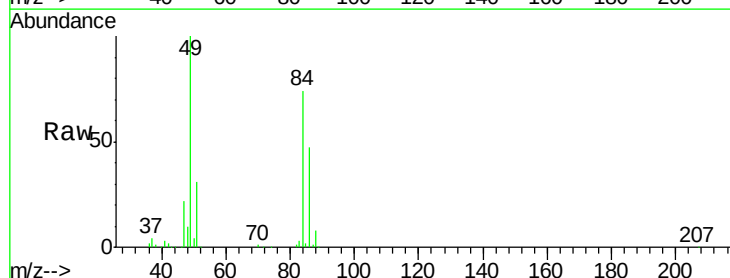
Instrument :
MSVOA_W
ClientSampled :
VSTD05090

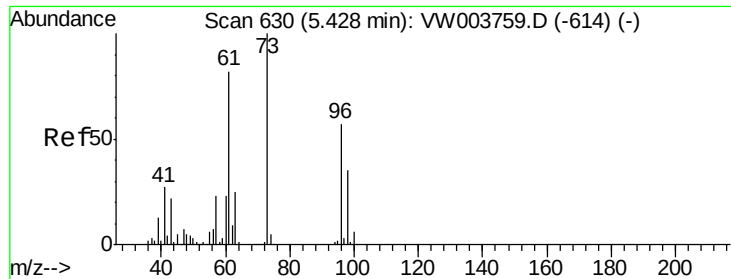
Tgt Ion: 43 Resp: 146020
Ion Ratio Lower Upper
43 100
74 21.2 17.0 25.4



#16
Methylene chloride
Concen: 37.998 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW003760.D
Acq: 07 Jul 2018 10:44

Tgt Ion: 84 Resp: 236688
Ion Ratio Lower Upper
84 100
49 135.6 89.9 166.9
86 64.2 43.9 81.5

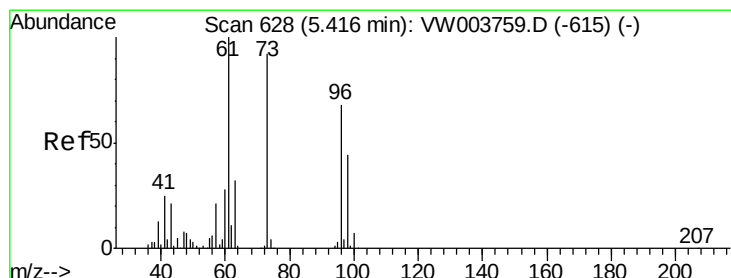
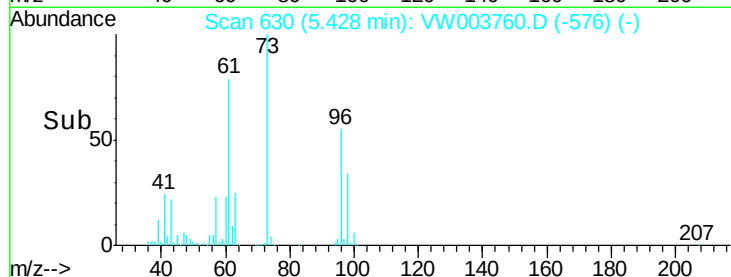
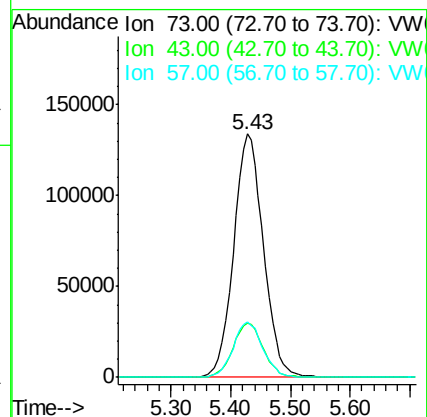
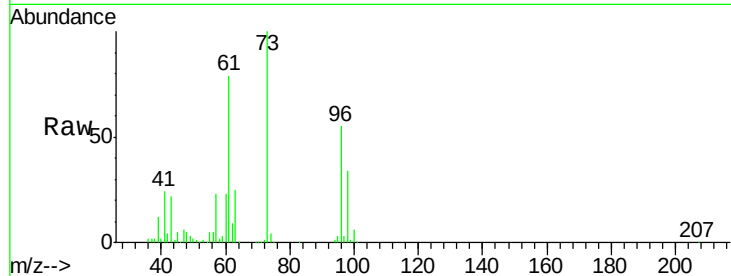




#17
Methyl tert-butyl Ether
Concen: 50.620 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW003760.D
Acq: 07 Jul 2018 10:44

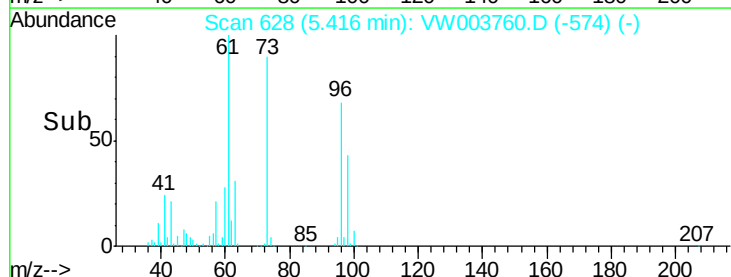
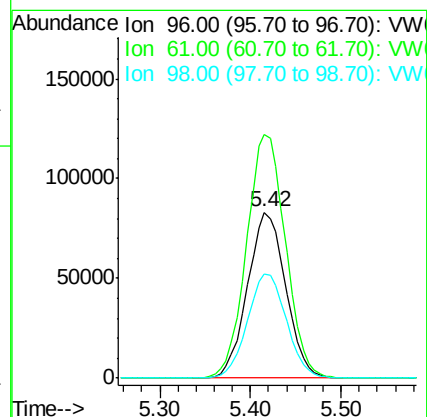
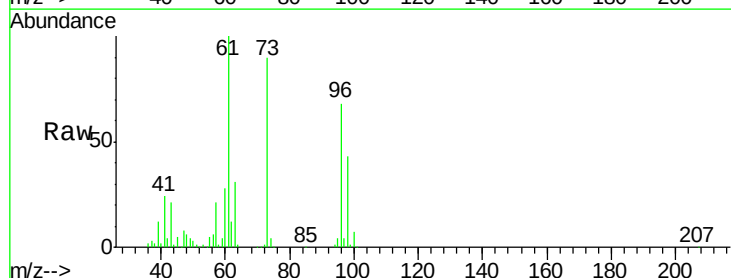
Instrument :
MSVOA_W
ClientSampled :
VSTD05090

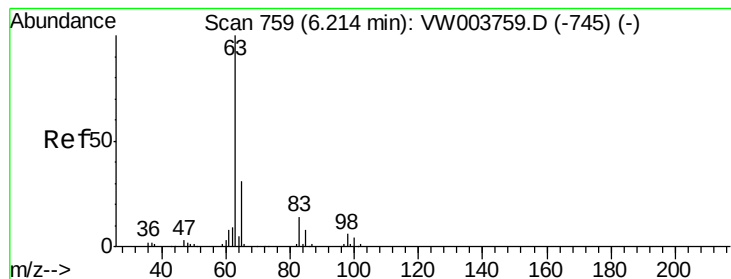
Tgt Ion: 73 Resp: 462192
Ion Ratio Lower Upper
73 100
43 22.5 18.2 27.4
57 22.8 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 46.694 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.00 min
Lab File: VW003760.D
Acq: 07 Jul 2018 10:44

Tgt Ion: 96 Resp: 242213
Ion Ratio Lower Upper
96 100
61 147.1 103.0 191.2
98 62.9 45.8 85.2





#19

1,1-Dichloroethane

Concen: 45.120 ug/L

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW003760.D

Acq: 07 Jul 2018 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD05090

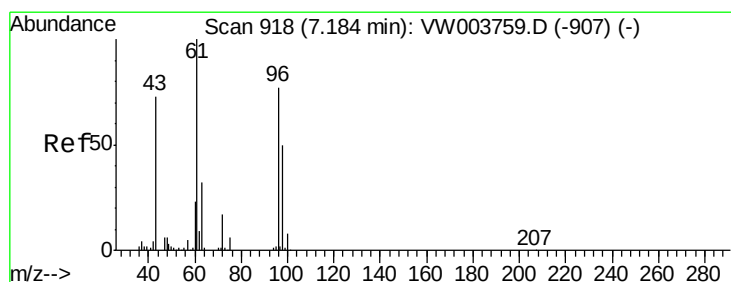
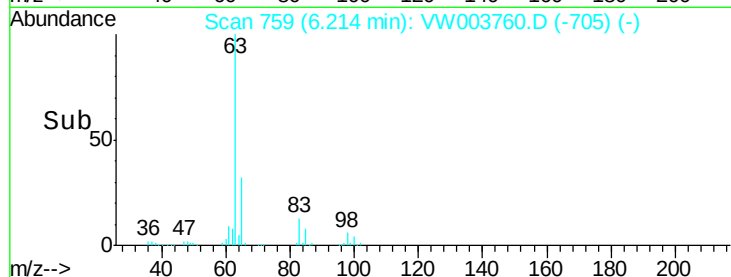
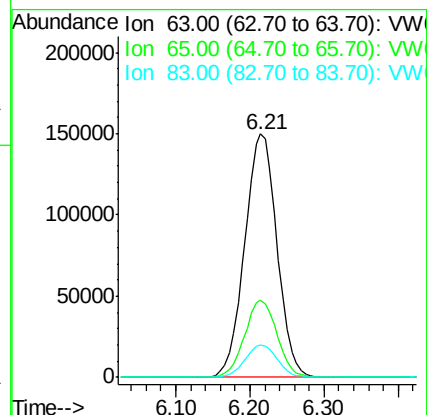
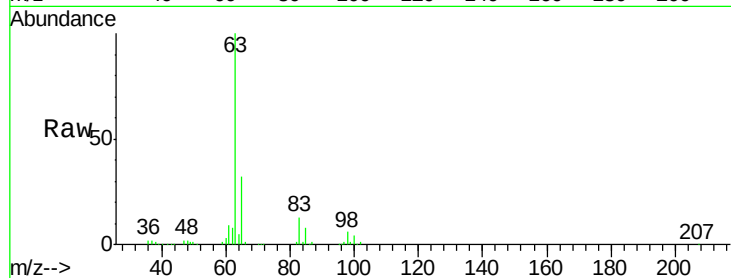
Tgt Ion: 63 Resp: 455399

Ion Ratio Lower Upper

63 100

65 31.5 21.9 40.7

83 13.4 9.6 17.8



#21

2-Butanone

Concen: 88.727 ug/L

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003760.D

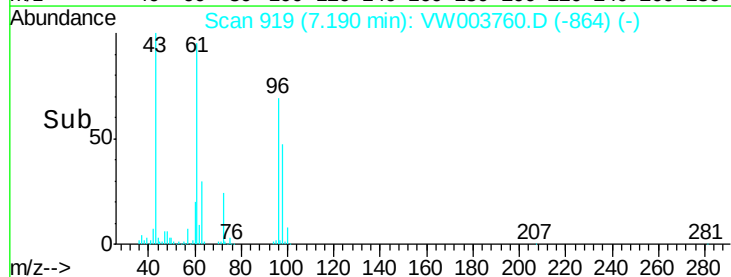
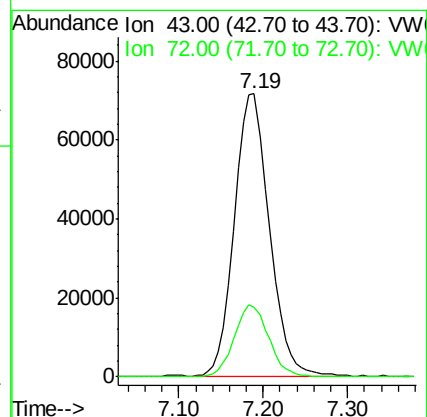
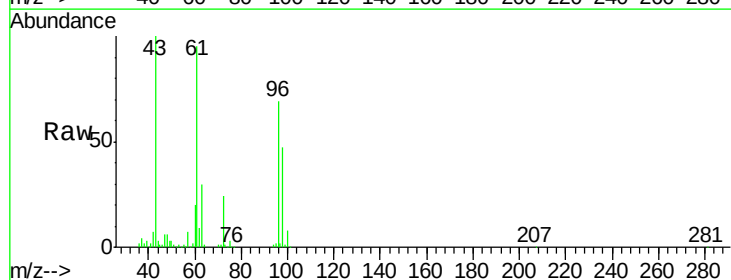
Acq: 07 Jul 2018 10:44

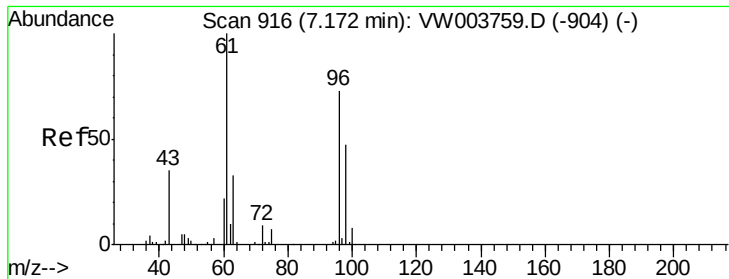
Tgt Ion: 43 Resp: 203147

Ion Ratio Lower Upper

43 100

72 25.1 12.3 36.9



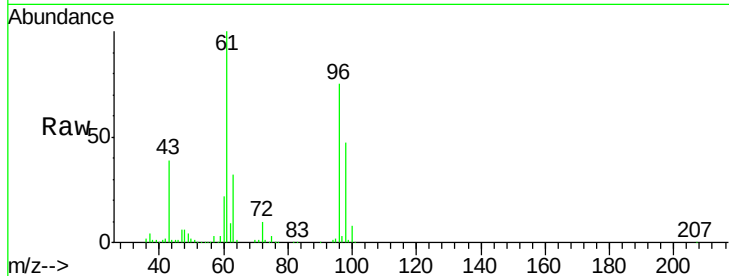


#22

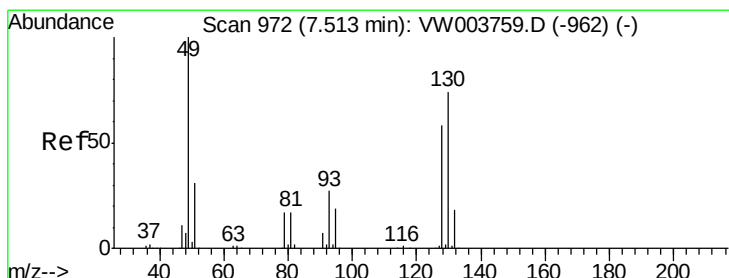
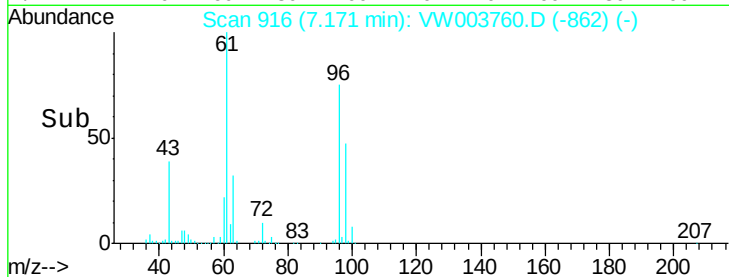
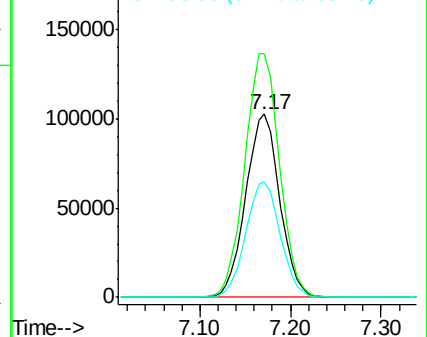
cis-1,2-Dichloroethene
Concen: 46.841 ug/L
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW003760.D
Acq: 07 Jul 2018 10:44

Instrument :
MSVOA_W
ClientSampleId :
VSTD05090

Tgt Ion: 96 Resp: 266528
Ion Ratio Lower Upper
96 100
61 133.0 96.4 179.0
98 63.0 45.6 84.8



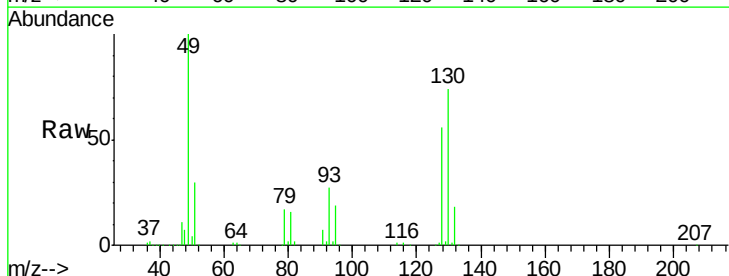
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



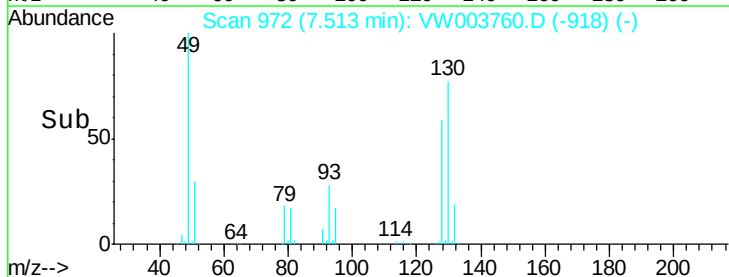
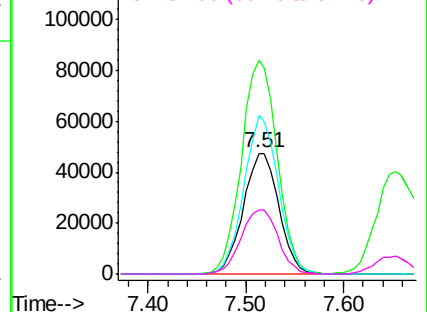
#23

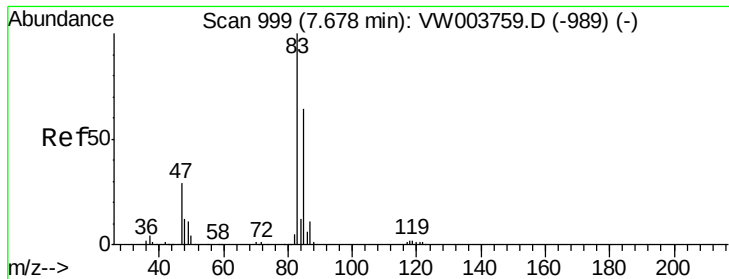
Bromochloromethane
Concen: 44.711 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW003760.D
Acq: 07 Jul 2018 10:44

Tgt Ion: 128 Resp: 119764
Ion Ratio Lower Upper
128 100
49 177.4 120.7 224.1
130 131.5 88.8 164.8
51 53.3 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: 44.779 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW003760.D

Acq: 07 Jul 2018 10:44

Instrument :

MSVOA_W

ClientSampleId :

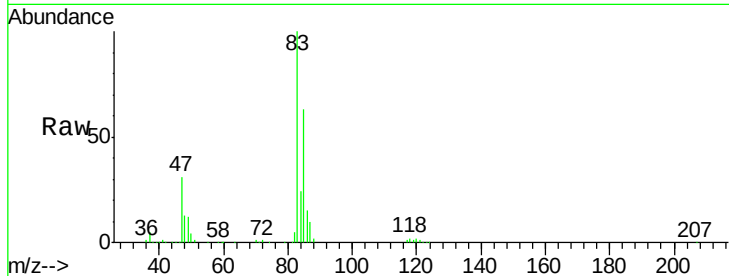
VSTD05090

Tgt Ion: 83 Resp: 468967

Ion Ratio Lower Upper

83 100

85 64.5 46.0 85.4



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.68

200000

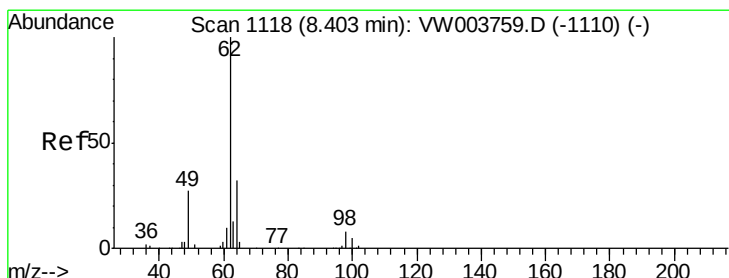
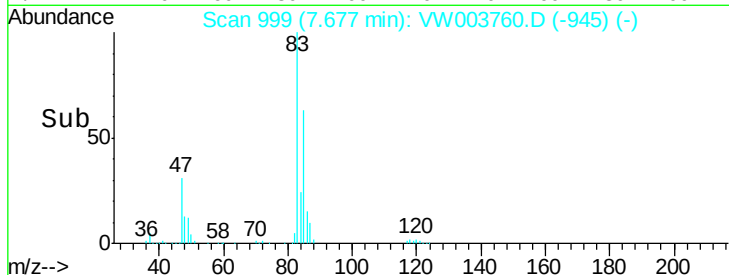
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 43.999 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW003760.D

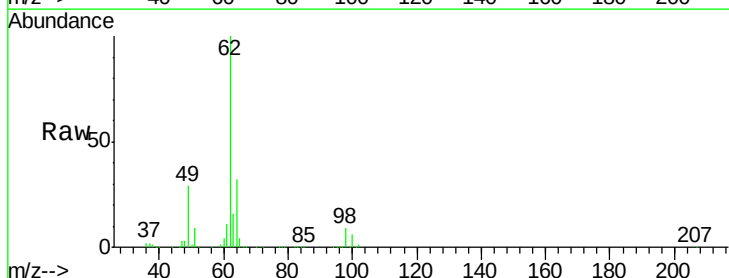
Acq: 07 Jul 2018 10:44

Tgt Ion: 62 Resp: 337290

Ion Ratio Lower Upper

62 100

98 8.9 6.4 9.6



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

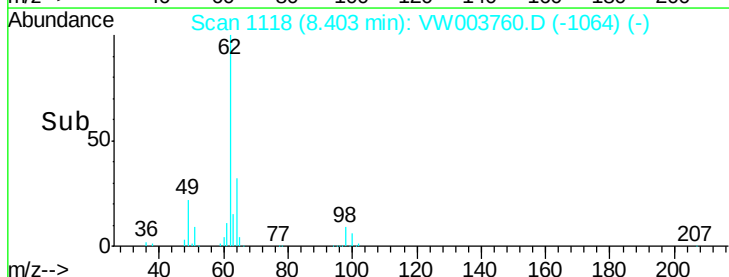
150000

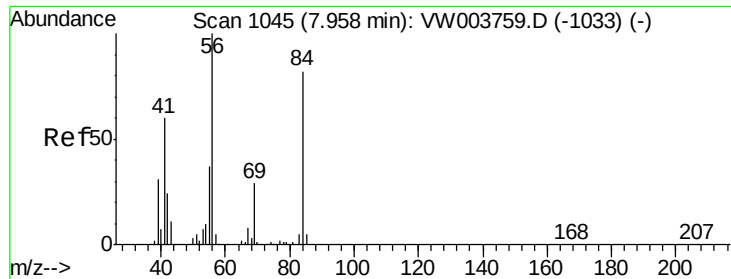
100000

50000

0

Time-->

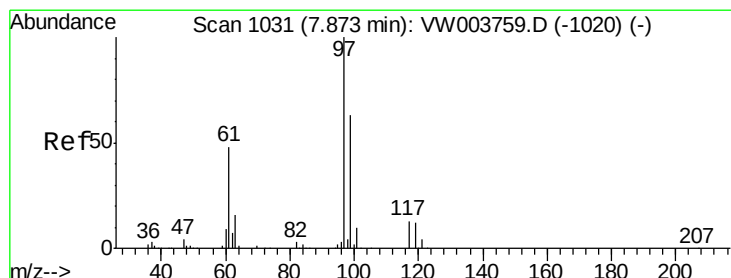
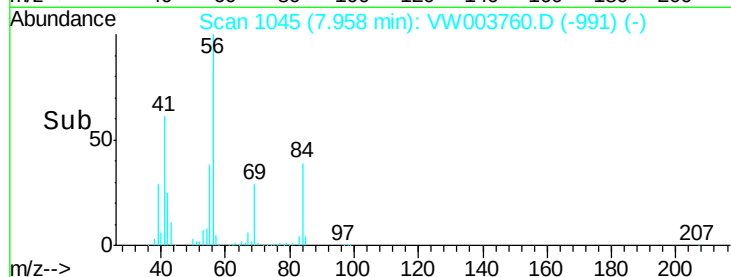
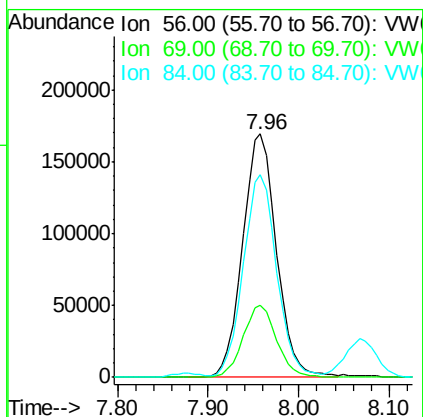
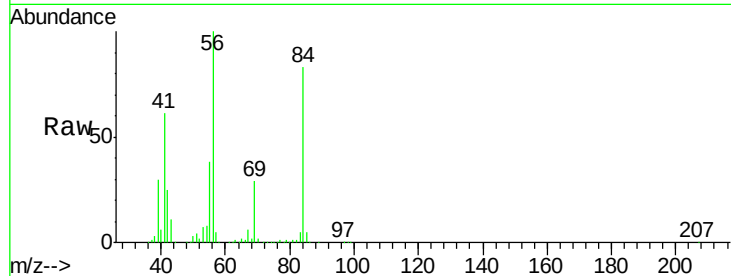




#30
Cyclohexane
Concen: 51.174 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW003760.D
Acq: 07 Jul 2018 10:44

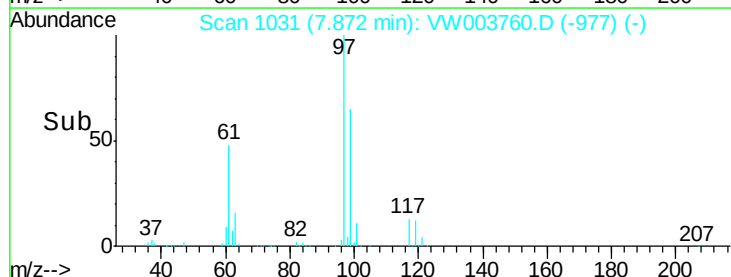
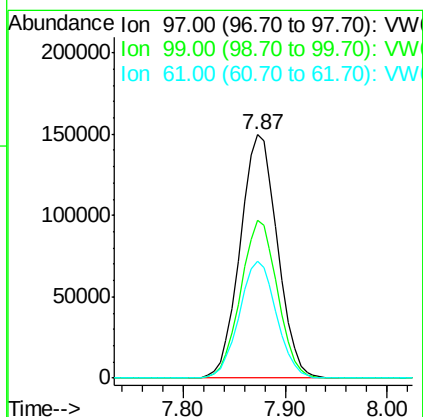
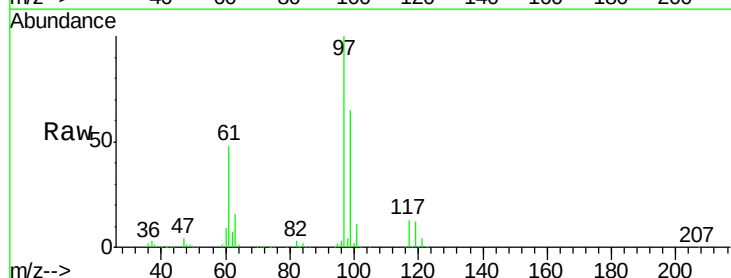
Instrument :
MSVOA_W
ClientSampleId :
VSTD05090

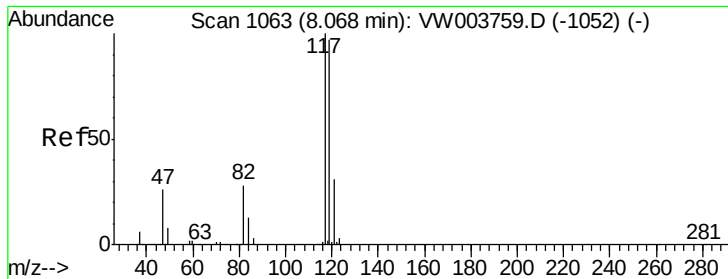
Tgt Ion: 56 Resp: 437825
Ion Ratio Lower Upper
56 100
69 29.5 23.7 35.5
84 82.6 65.8 98.6



#31
1,1,1-Trichloroethane
Concen: 46.452 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW003760.D
Acq: 07 Jul 2018 10:44

Tgt Ion: 97 Resp: 379747
Ion Ratio Lower Upper
97 100
99 64.1 51.3 76.9
61 47.8 38.1 57.1





#32

Carbon tetrachloride

Concen: 45.983 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW003760.D

Acq: 07 Jul 2018 10:44

Instrument :

MSVOA_W

ClientSampleId :

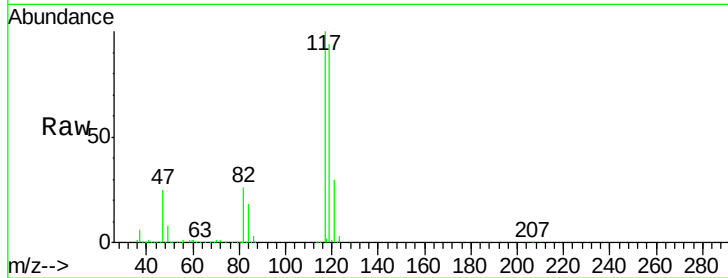
VSTD05090

Tgt Ion:117 Resp: 367936

Ion Ratio Lower Upper

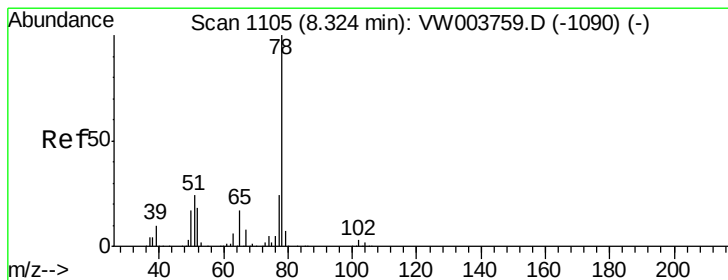
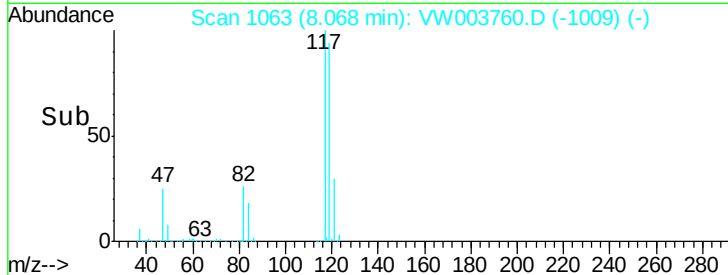
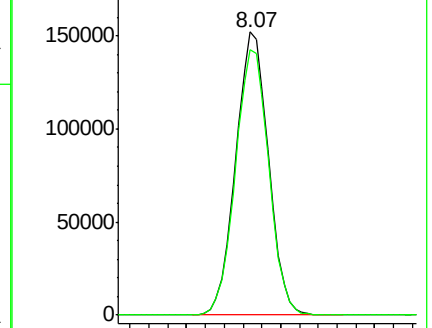
117 100

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: 46.897 ug/L

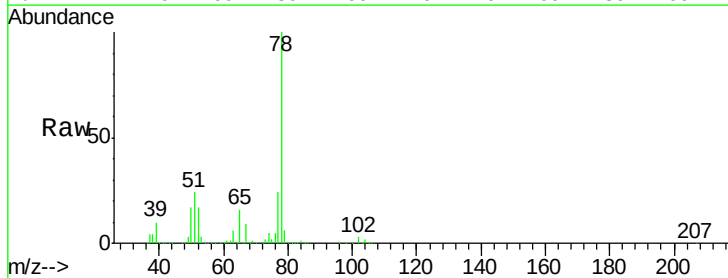
RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

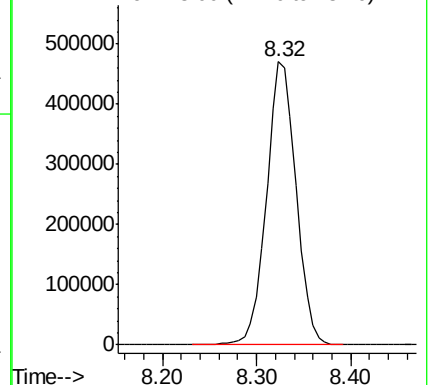
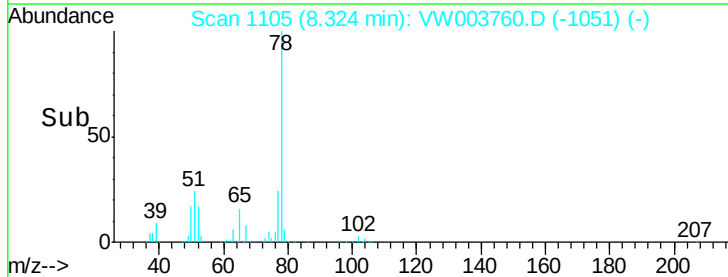
Lab File: VW003760.D

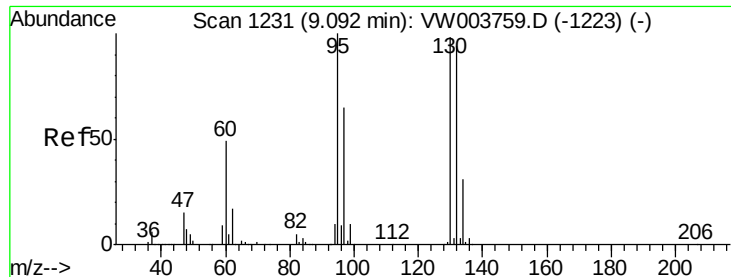
Acq: 07 Jul 2018 10:44

Tgt Ion: 78 Resp: 1035206



Abundance Ion 78.00 (77.70 to 78.70): VW

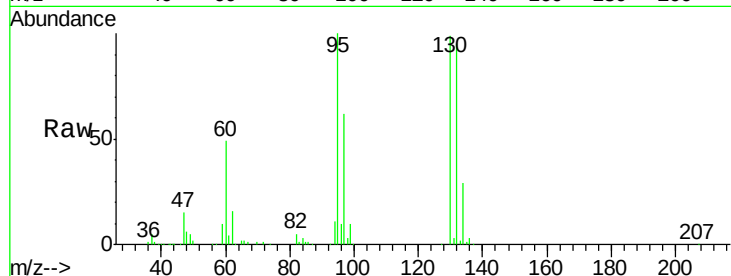




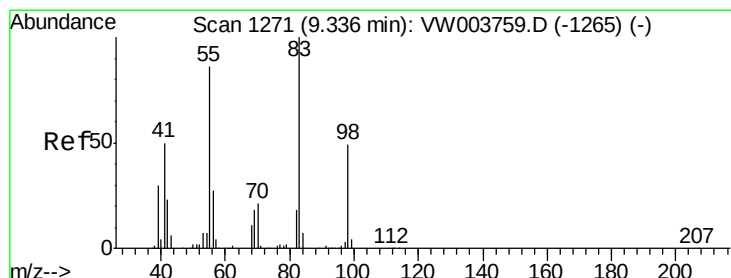
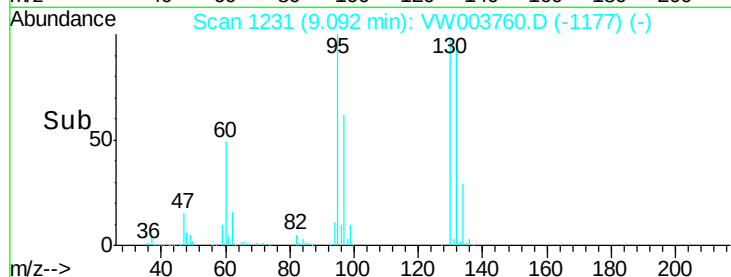
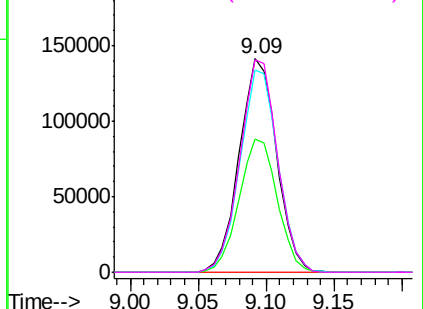
#35
 Trichloroethene
 Concen: 46.242 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW003760.D
 Acq: 07 Jul 2018 10:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05090

Tgt Ion:	95	Resp:	271537
Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.7	82.9
132	96.0	66.2	123.0
130	100.1	69.5	129.1

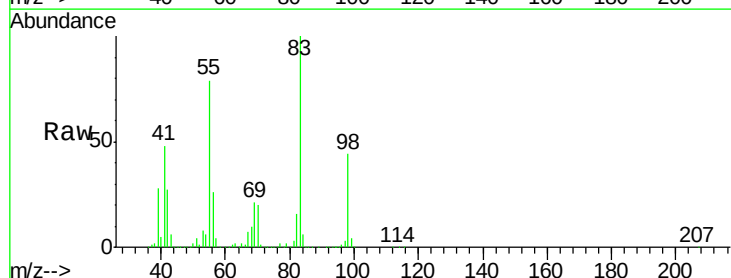


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

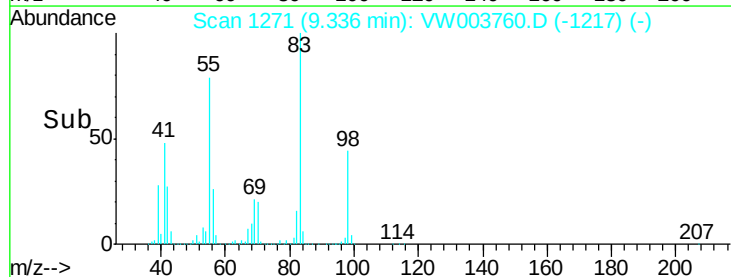
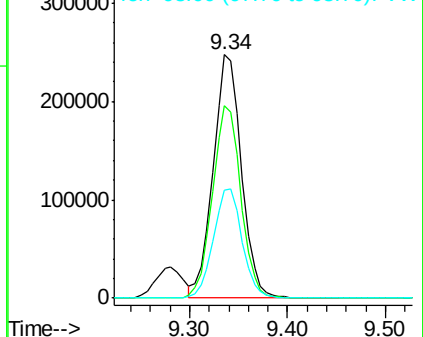


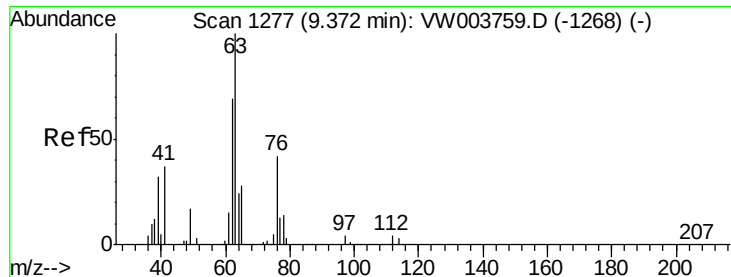
#36
 Methylcyclohexane
 Concen: 50.272 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VW003760.D
 Acq: 07 Jul 2018 10:44

Tgt Ion:	83	Resp:	496412
Ion	Ratio	Lower	Upper
83	100		
55	78.9	65.0	97.4
98	45.6	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

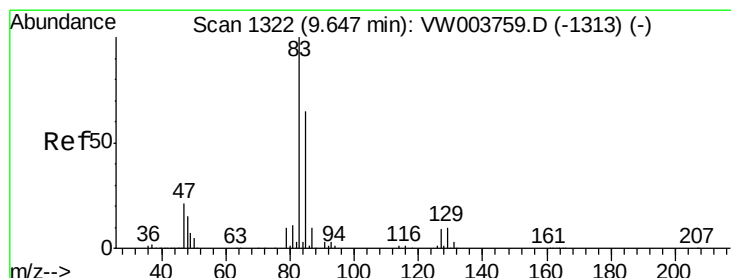
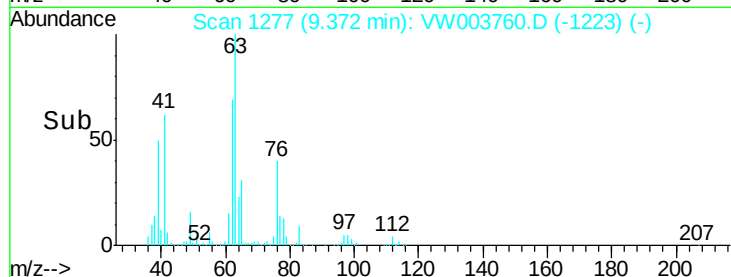
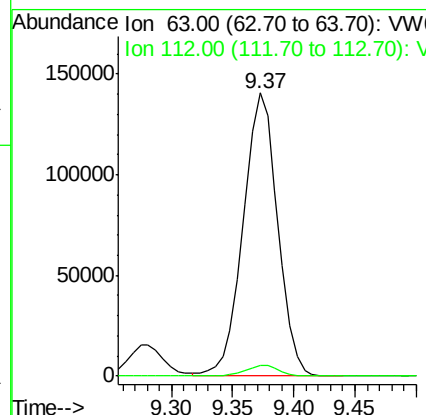
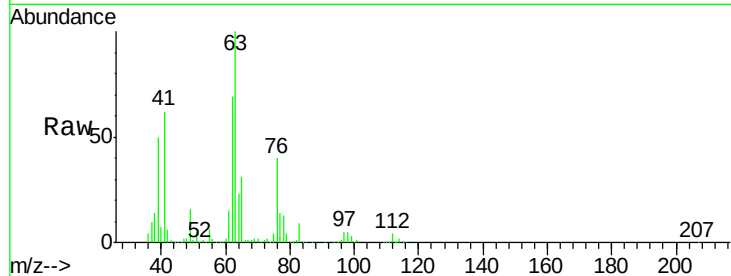




#40
 1,2-Dichloropropane
 Concen: 47.106 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003760.D
 Acq: 07 Jul 2018 10:44

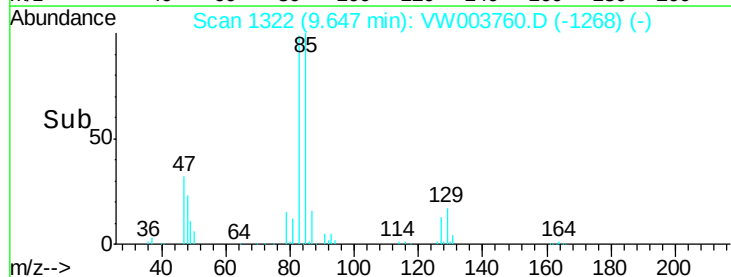
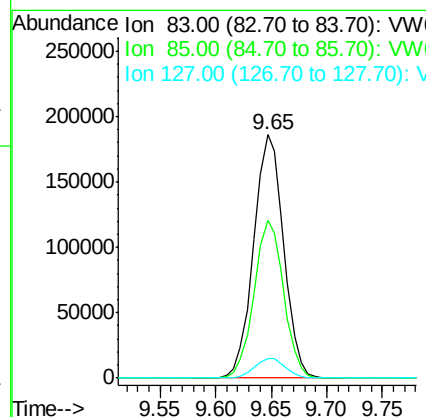
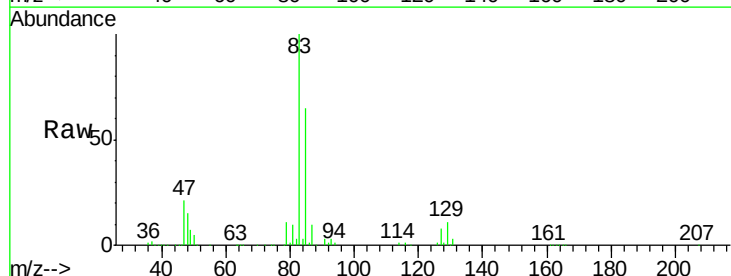
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05090

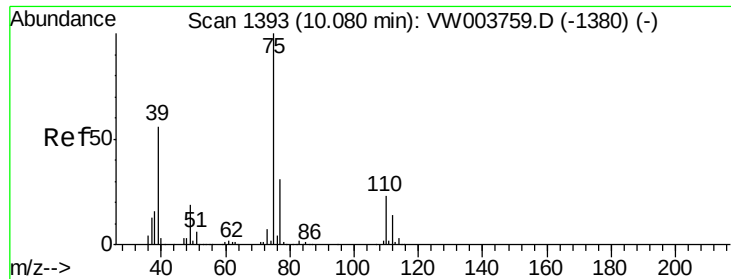
Tgt Ion: 63 Resp: 275420
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.3 4.9



#41
 Bromodichloromethane
 Concen: 45.950 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW003760.D
 Acq: 07 Jul 2018 10:44

Tgt Ion: 83 Resp: 349354
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.1 83.9
 127 8.1 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 49.448 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW003760.D

Acq: 07 Jul 2018 10:44

Instrument :

MSVOA_W

ClientSampled :

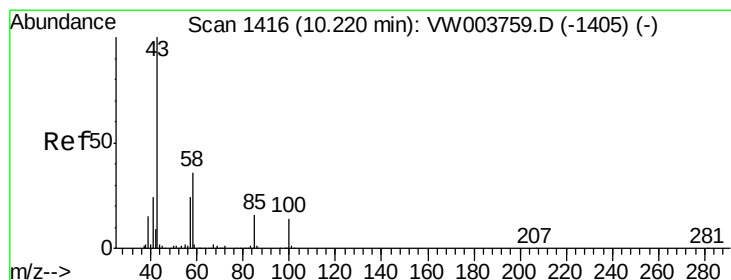
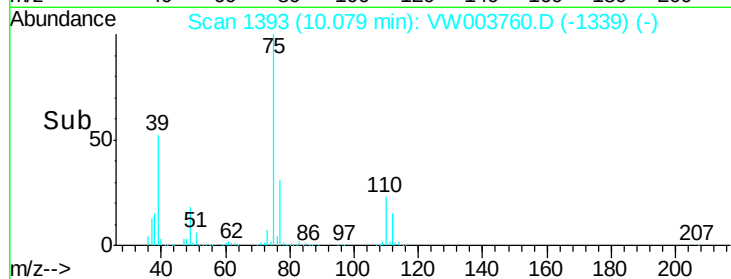
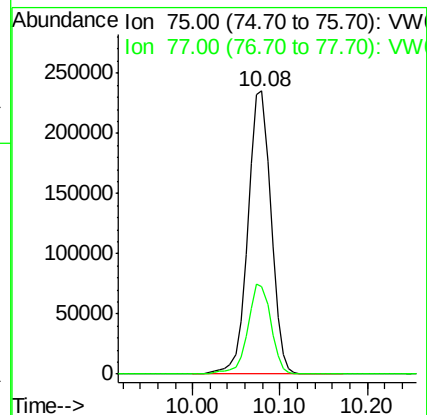
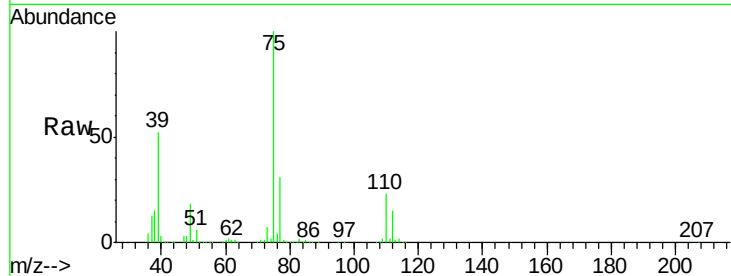
VSTD05090

Tgt Ion: 75 Resp: 430697

Ion Ratio Lower Upper

75 100

77 30.8 21.6 40.0



#43

4-Methyl-2-pentanone

Concen: 99.762 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW003760.D

Acq: 07 Jul 2018 10:44

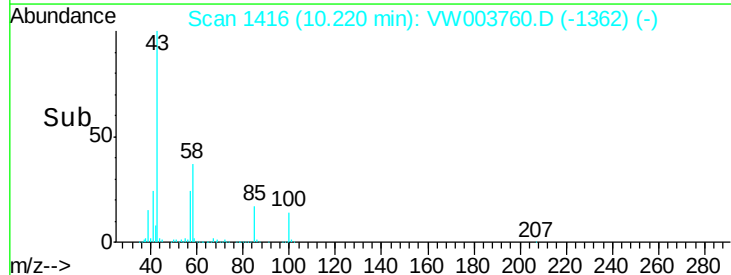
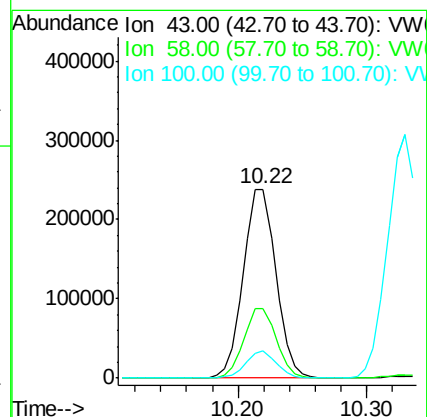
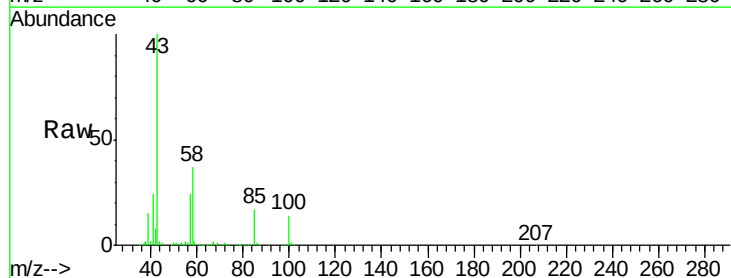
Tgt Ion: 43 Resp: 419411

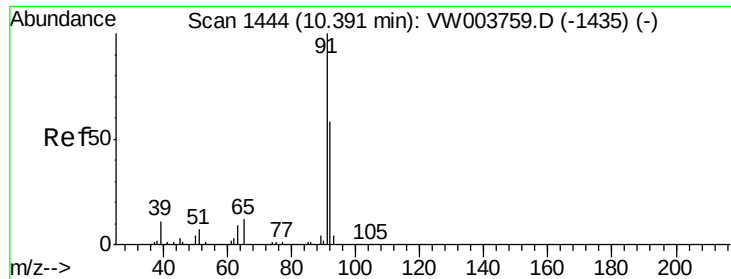
Ion Ratio Lower Upper

43 100

58 36.6 29.0 43.4

100 13.4 10.7 16.1





#44

Toluene

Concen: 48.375 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003760.D

Acq: 07 Jul 2018 10:44

Instrument :

MSVOA_W

ClientSampleId :

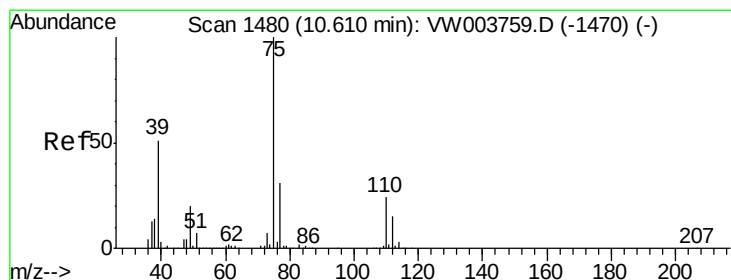
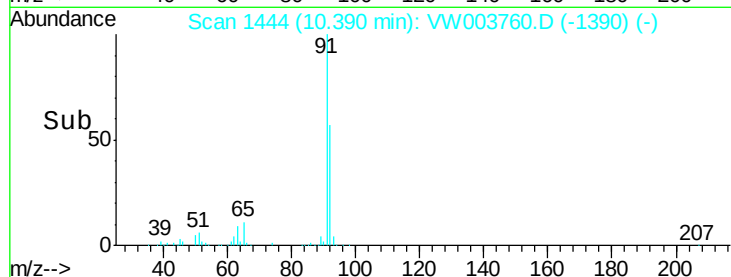
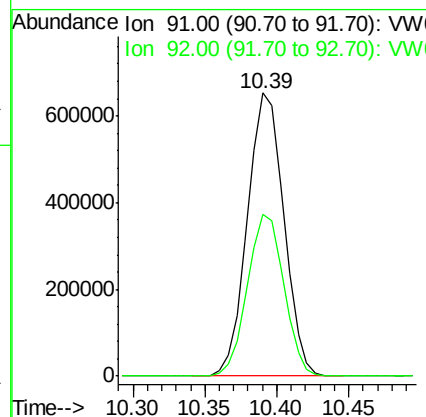
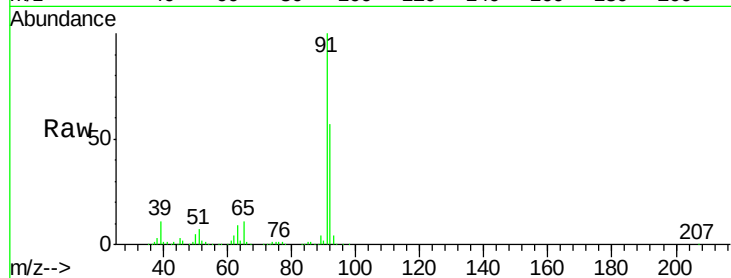
VSTD05090

Tgt Ion: 91 Resp: 1141341

Ion Ratio Lower Upper

91 100

92 57.0 40.5 75.3



#45

trans-1,3-Dichloropropene

Concen: 48.813 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003760.D

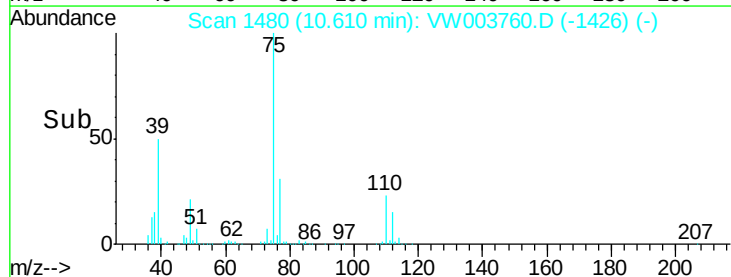
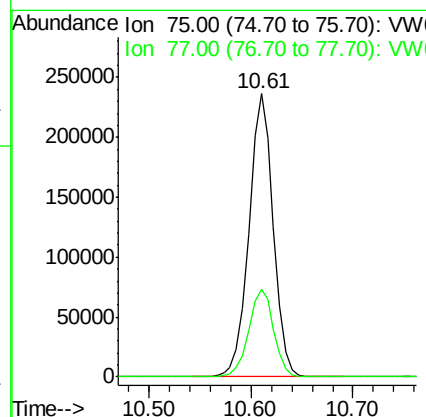
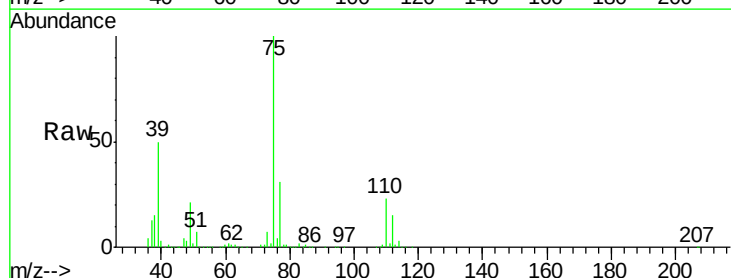
Acq: 07 Jul 2018 10:44

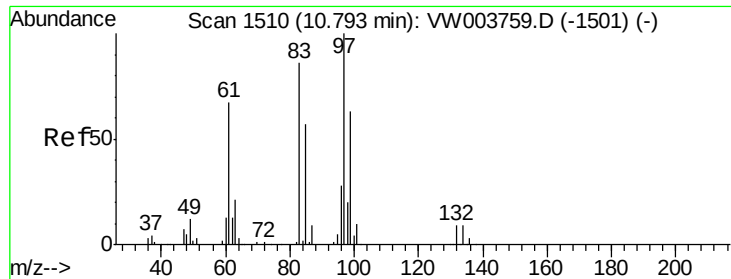
Tgt Ion: 75 Resp: 388580

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.4

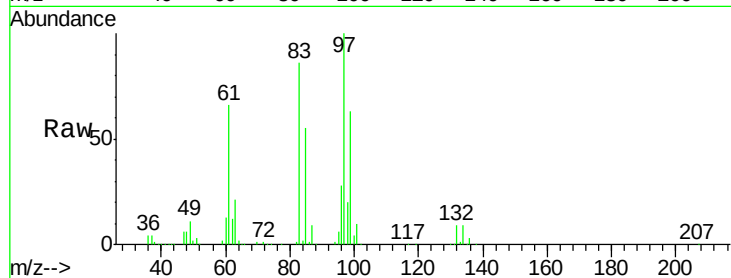




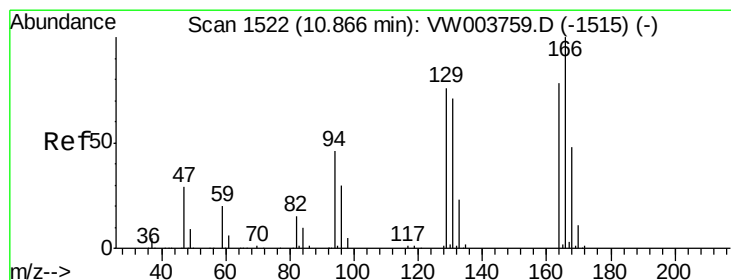
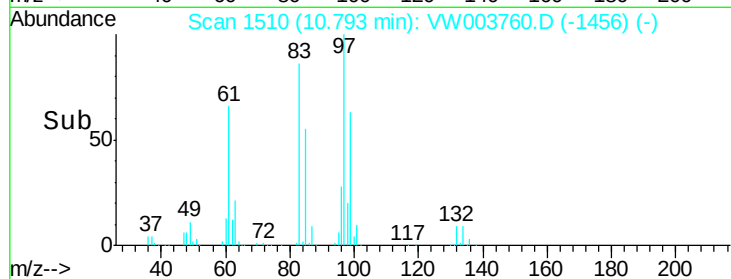
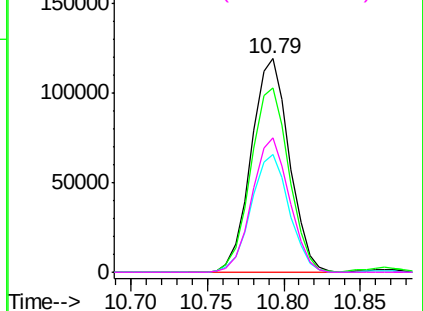
#46
 1,1,2-Trichloroethane
 Concen: 46.434 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW003760.D
 Acq: 07 Jul 2018 10:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05090

Tgt Ion: 97 Resp: 206447
 Ion Ratio Lower Upper
 97 100
 83 86.2 60.1 111.5
 85 55.0 40.0 74.2
 99 63.0 44.0 81.8



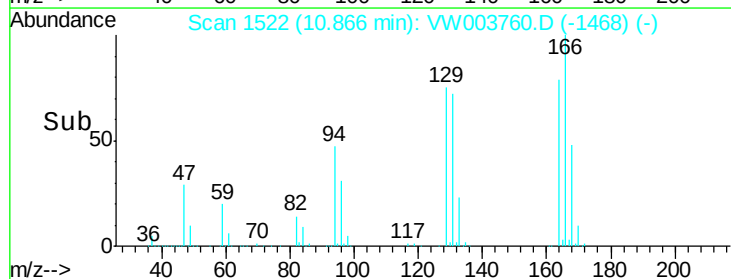
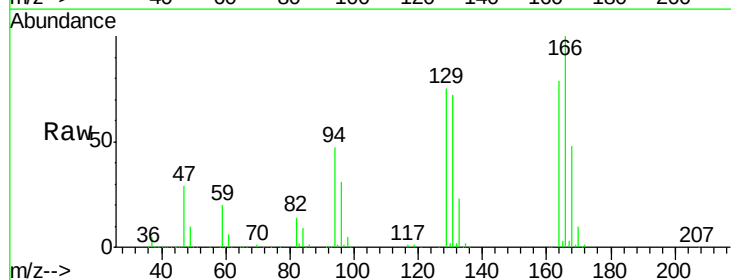
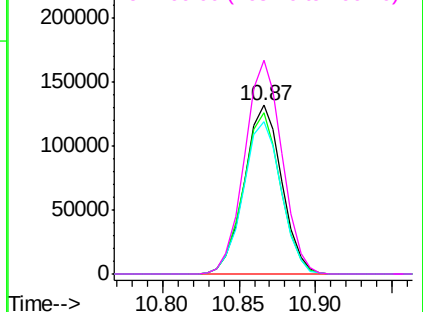
Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

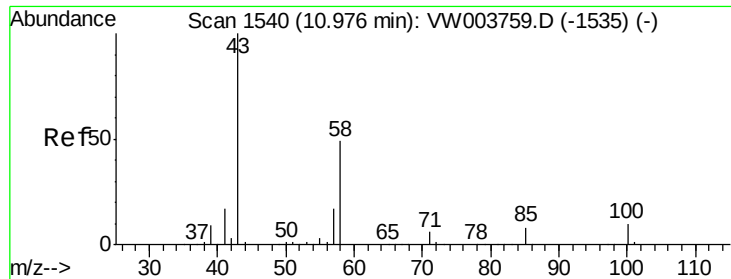


#47
 Tetrachloroethene
 Concen: 46.274 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW003760.D
 Acq: 07 Jul 2018 10:44

Tgt Ion: 164 Resp: 225276
 Ion Ratio Lower Upper
 164 100
 129 95.3 68.3 126.8
 131 90.5 63.8 118.4
 166 126.6 89.5 166.1

Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

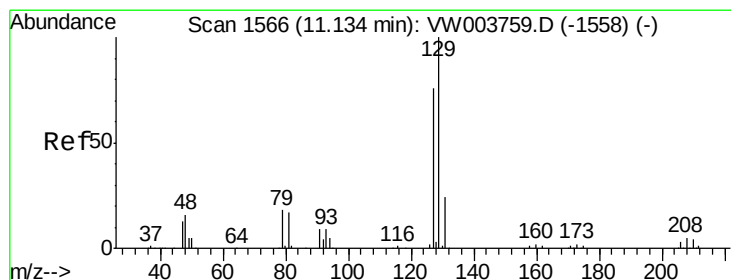
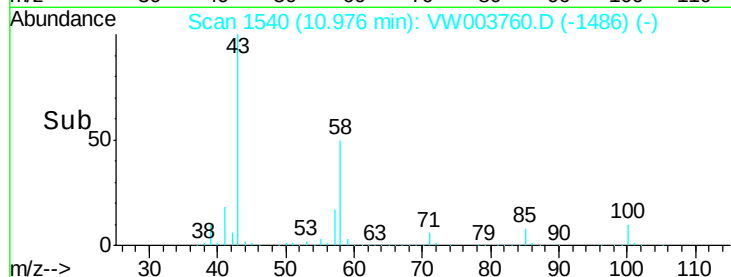
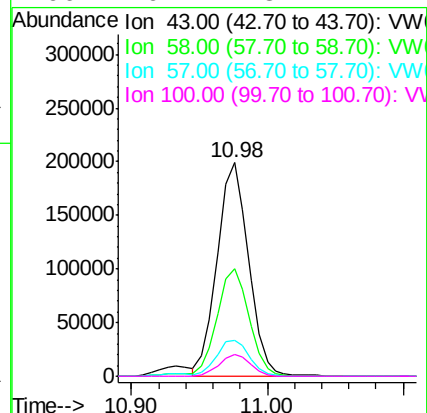
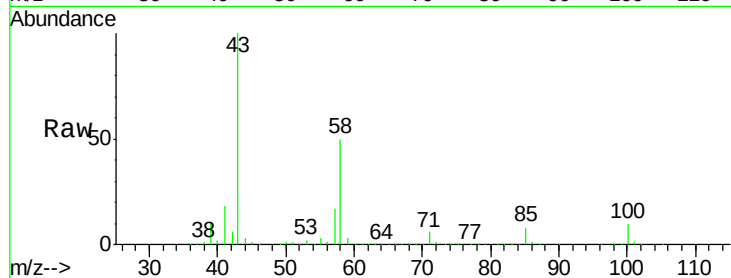




#49
2-Hexanone
Concen: 98.961 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003760.D
Acq: 07 Jul 2018 10:44

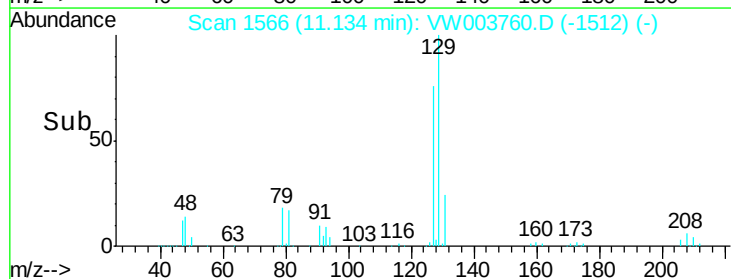
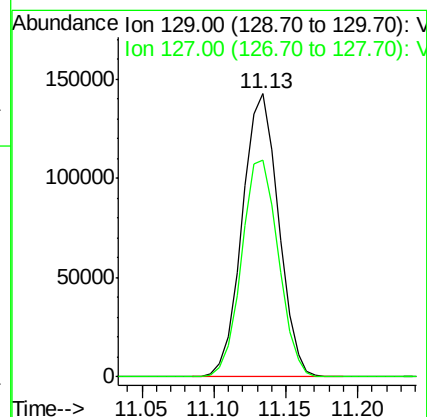
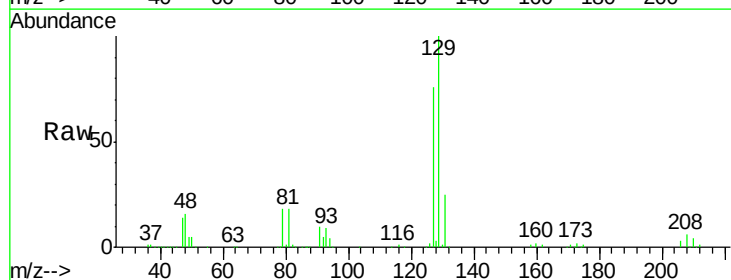
Instrument :
MSVOA_W
ClientSampleId :
VSTD05090

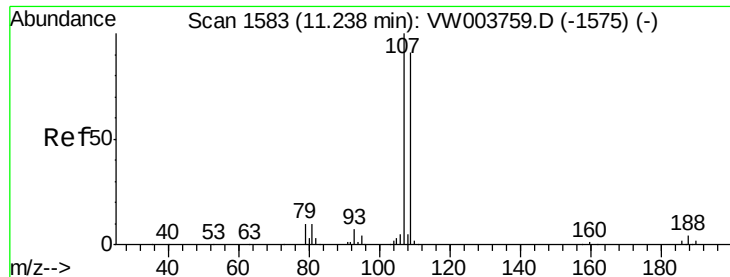
Tgt Ion: 43 Resp: 320256
Ion Ratio Lower Upper
43 100
58 51.2 39.5 59.3
57 17.4 13.8 20.8
100 10.4 8.2 12.2



#50
Dibromochloromethane
Concen: 46.904 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW003760.D
Acq: 07 Jul 2018 10:44

Tgt Ion: 129 Resp: 249640
Ion Ratio Lower Upper
129 100
127 76.4 53.1 98.7

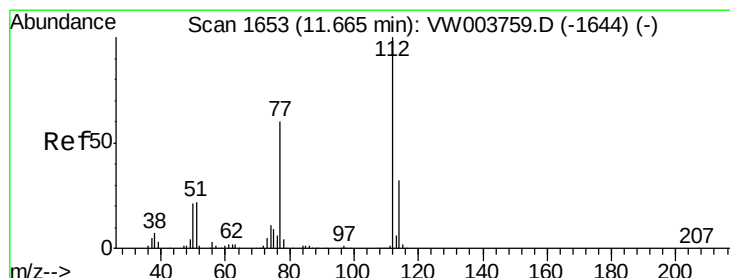
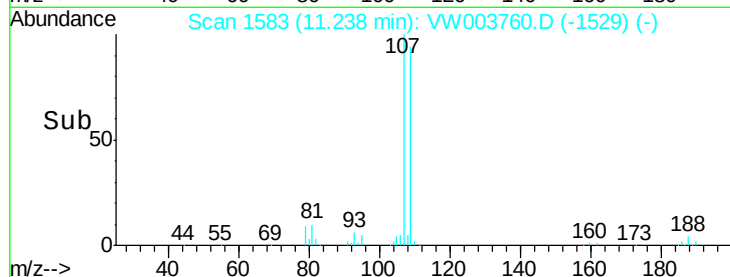
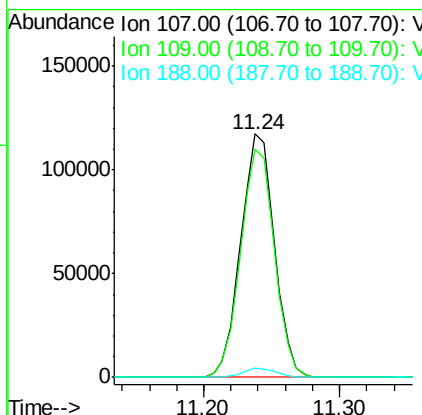
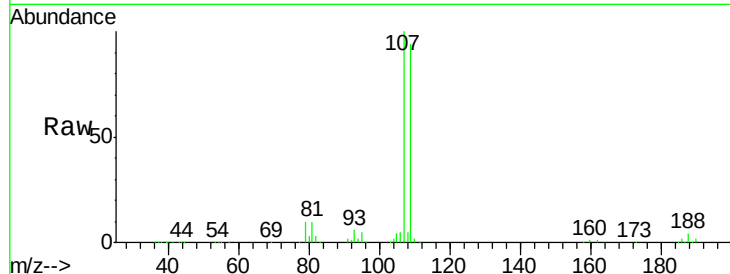




#51
1,2-Dibromoethane
Concen: 47.475 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VW003760.D
Acq: 07 Jul 2018 10:44

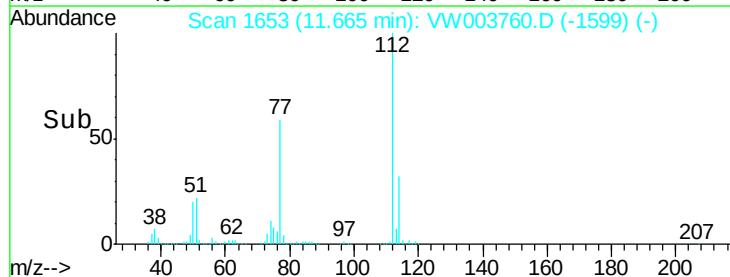
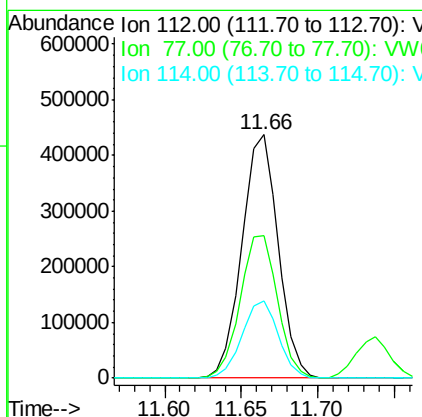
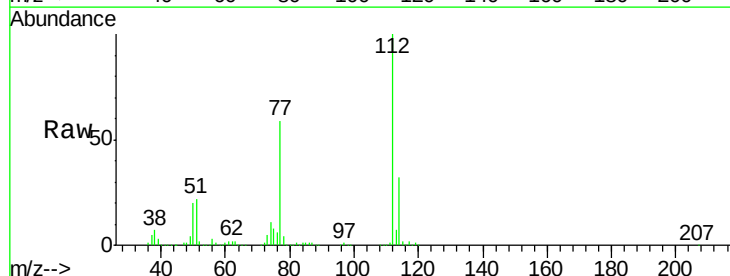
Instrument :
MSVOA_W
ClientSampleId :
VSTD05090

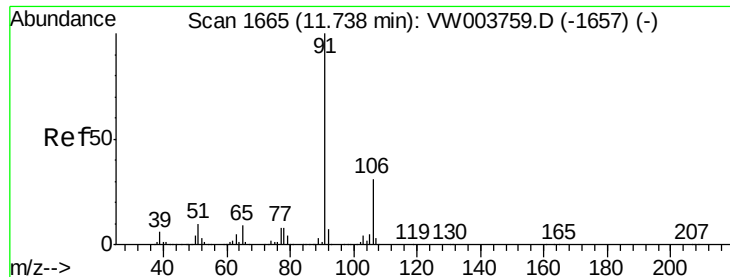
Tgt Ion:107 Resp: 203496
Ion Ratio Lower Upper
107 100
109 94.0 63.7 118.3
188 3.8 2.9 4.3



#52
Chlorobenzene
Concen: 46.448 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW003760.D
Acq: 07 Jul 2018 10:44

Tgt Ion:112 Resp: 720961
Ion Ratio Lower Upper
112 100
77 58.5 47.9 71.9
114 31.6 22.7 42.1





#53

Ethylbenzene

Concen: 49.331 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW003760.D

Acq: 07 Jul 2018 10:44

Instrument :

MSVOA_W

ClientSampleId :

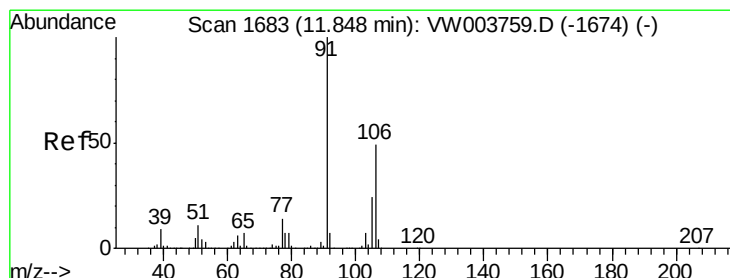
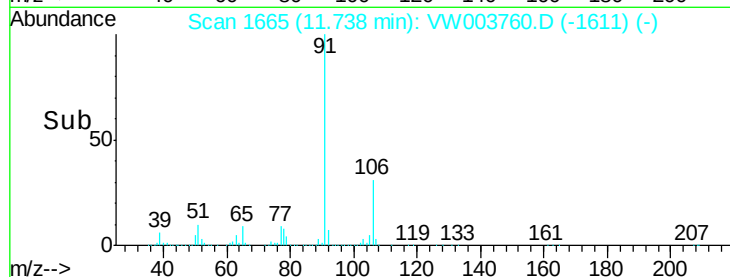
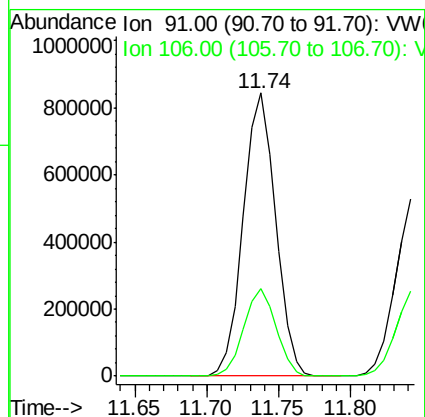
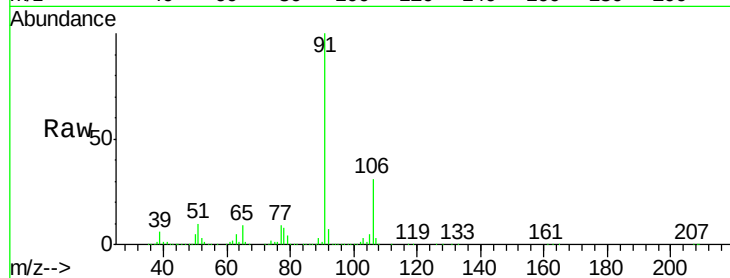
VSTD05090

Tgt Ion: 91 Resp: 1315606

Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.6



#54

m,p-Xylene

Concen: 49.678 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW003760.D

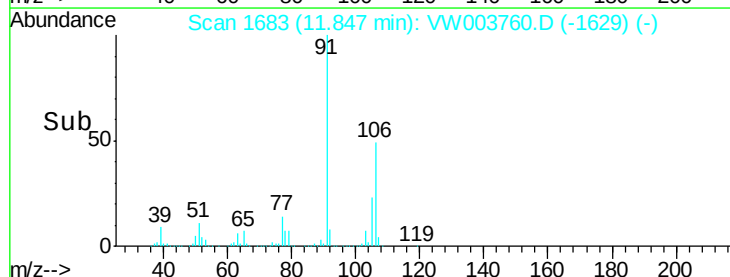
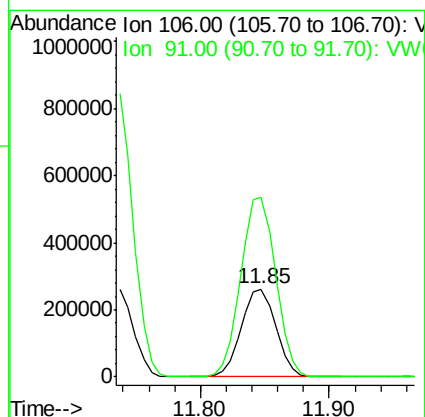
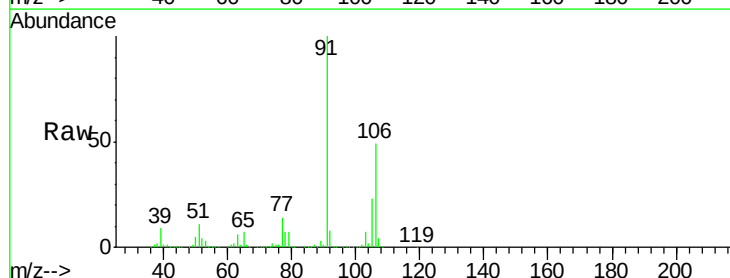
Acq: 07 Jul 2018 10:44

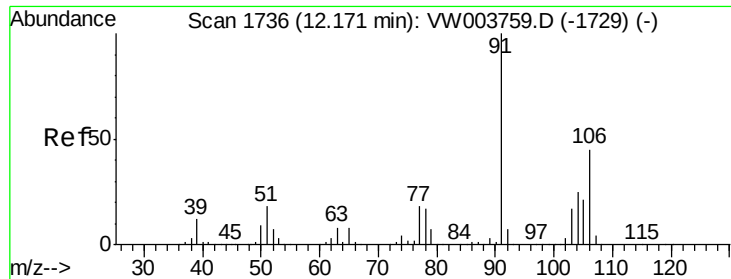
Tgt Ion: 106 Resp: 487854

Ion Ratio Lower Upper

106 100

91 203.3 142.9 265.3

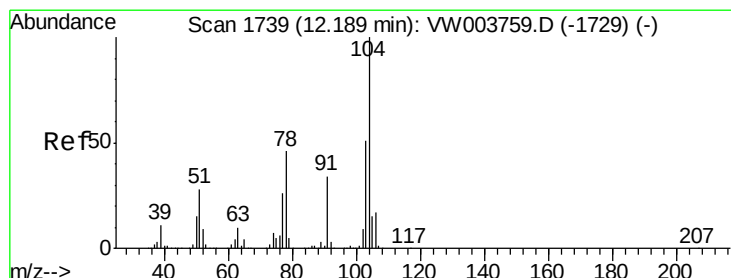
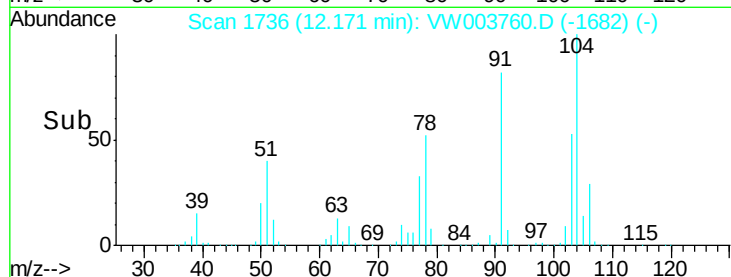
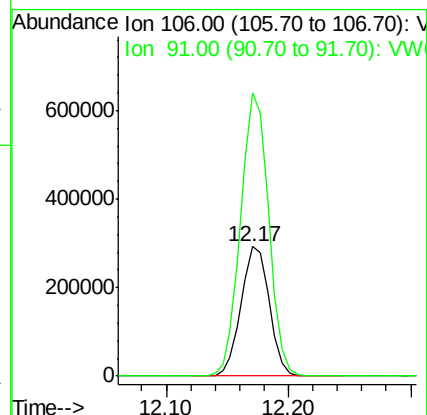
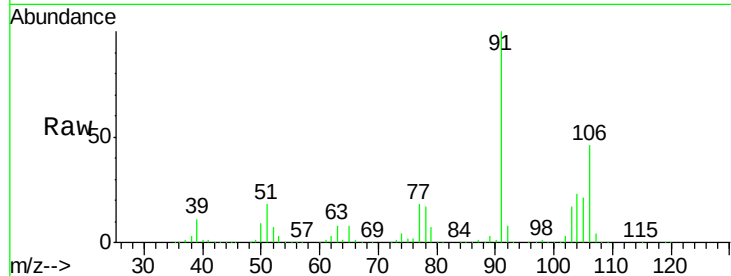




#55
o-xylene
Concen: 50.511 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003760.D
Acq: 07 Jul 2018 10:44

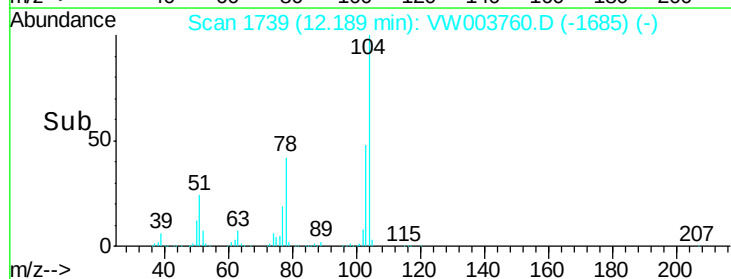
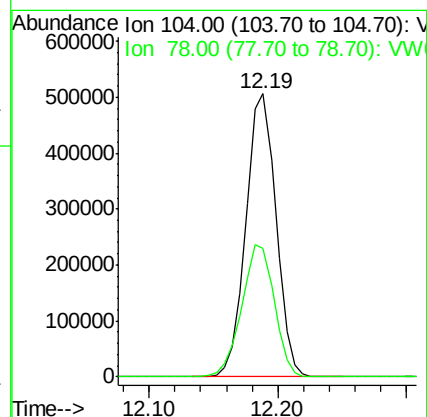
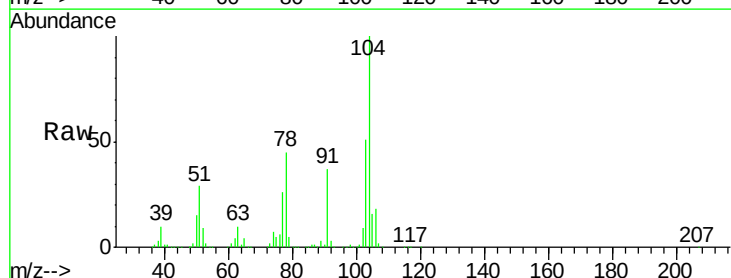
Instrument :
MSVOA_W
ClientSampleId :
VSTD05090

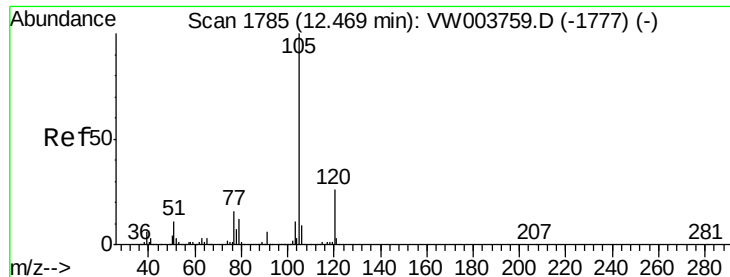
Tgt Ion:106 Resp: 468389
Ion Ratio Lower Upper
106 100
91 218.4 154.1 286.3



#56
Styrene
Concen: 50.297 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW003760.D
Acq: 07 Jul 2018 10:44

Tgt Ion:104 Resp: 815672
Ion Ratio Lower Upper
104 100
78 45.4 32.1 59.7





#57

Isopropylbenzene

Concen: 50.818 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003760.D

Acq: 07 Jul 2018 10:44

Instrument :

MSVOA_W

ClientSampled :

VSTD05090

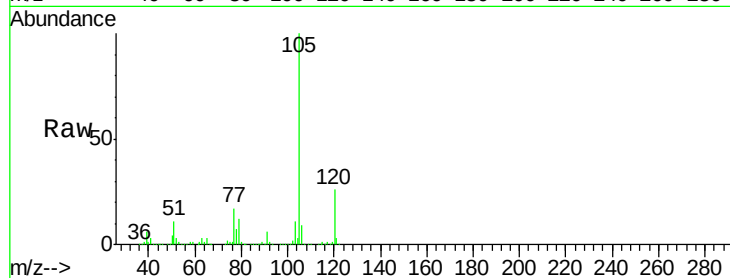
Tgt Ion:105 Resp: 1292613

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

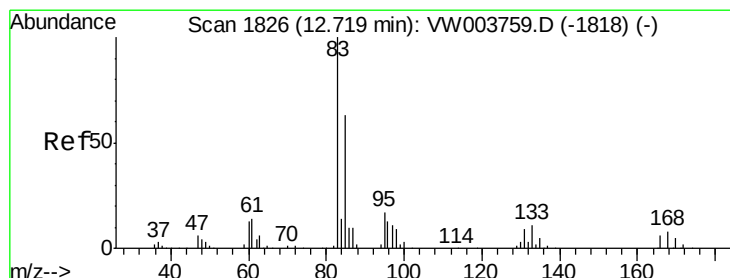
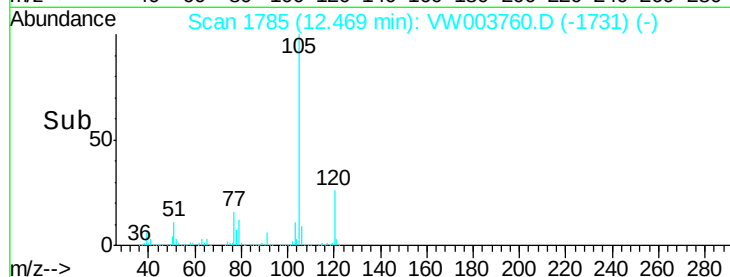
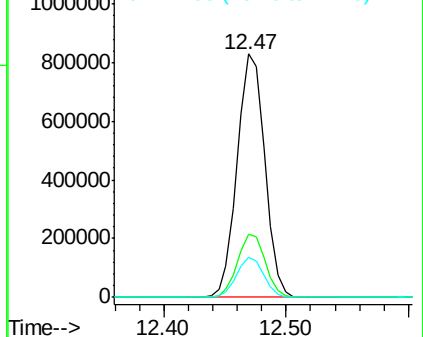
77 16.3 13.0 19.6



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: 46.782 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003760.D

Acq: 07 Jul 2018 10:44

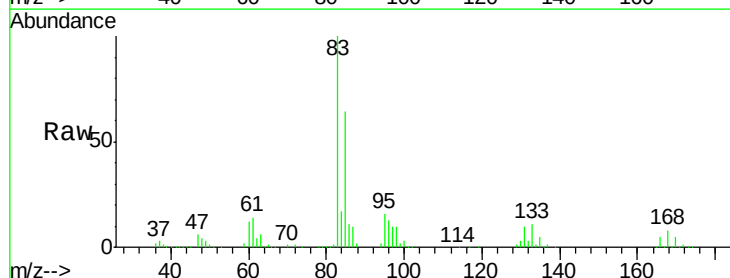
Tgt Ion: 83 Resp: 276340

Ion Ratio Lower Upper

83 100

85 64.3 44.2 82.0

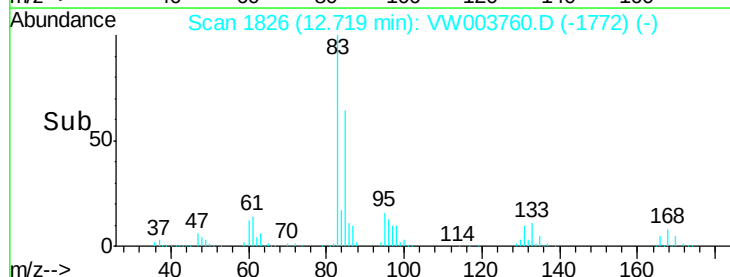
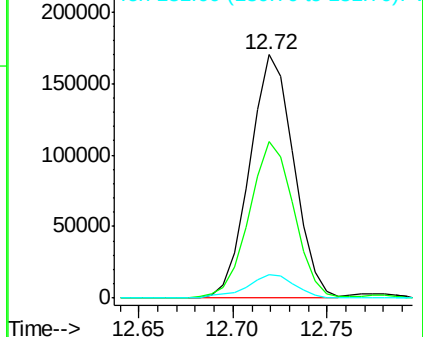
131 9.5 7.5 11.3

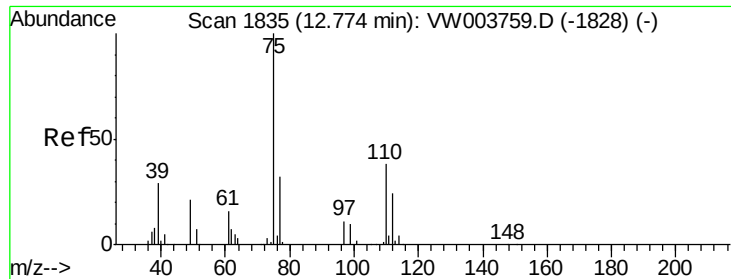


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.574 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW003760.D

Acq: 07 Jul 2018 10:44

Instrument :

MSVOA_W

ClientSampleId :

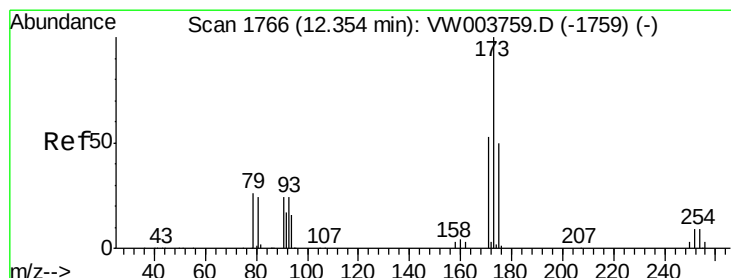
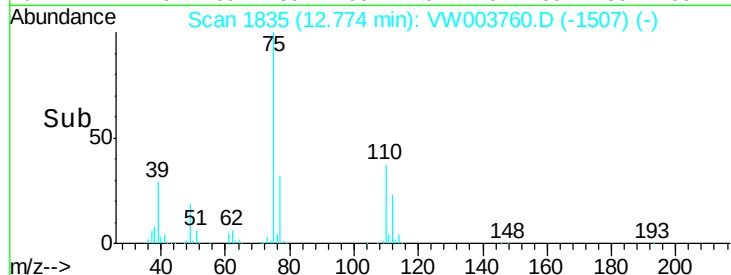
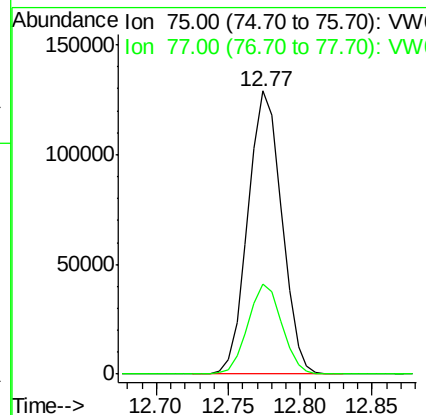
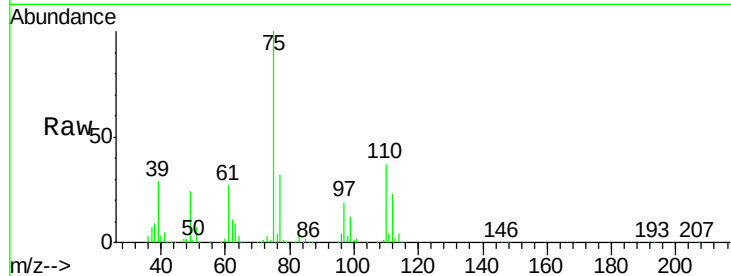
VSTD05090

Tgt Ion: 75 Resp: 209611

Ion Ratio Lower Upper

75 100

77 32.0 26.0 39.0



#62

Bromoform

Concen: 46.308 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003760.D

Acq: 07 Jul 2018 10:44

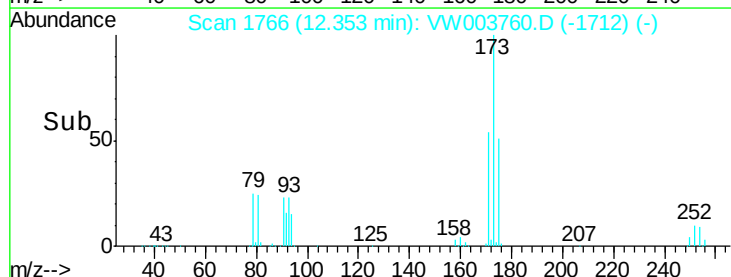
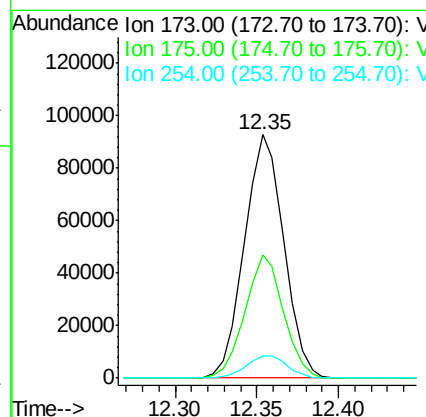
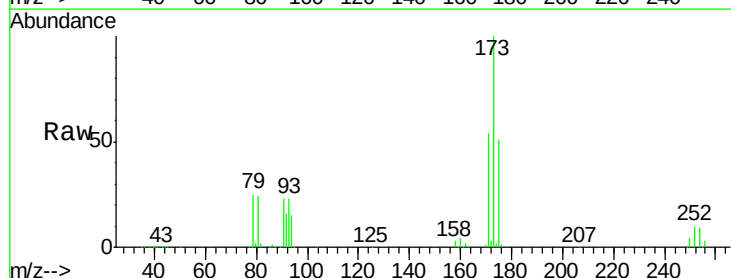
Tgt Ion: 173 Resp: 156134

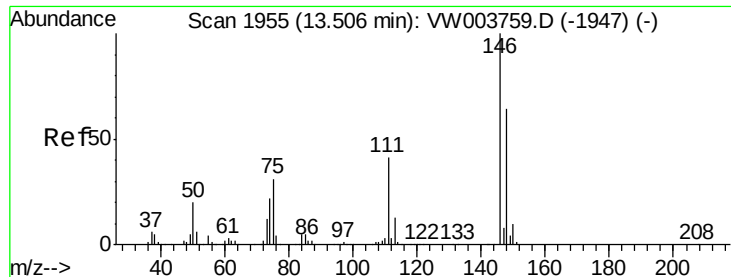
Ion Ratio Lower Upper

173 100

175 49.2 38.7 58.1

254 9.6 7.7 11.5

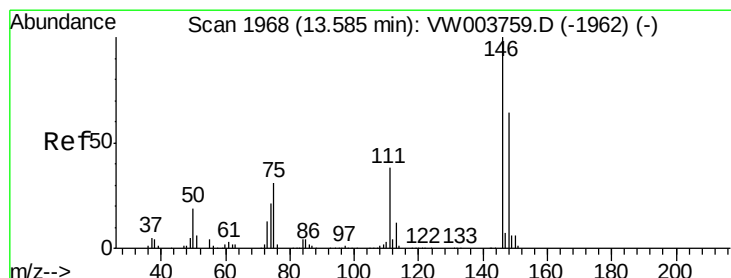
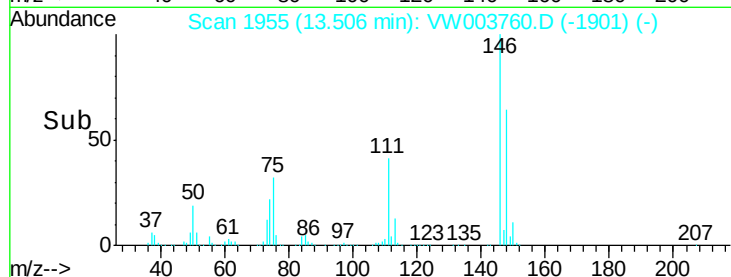
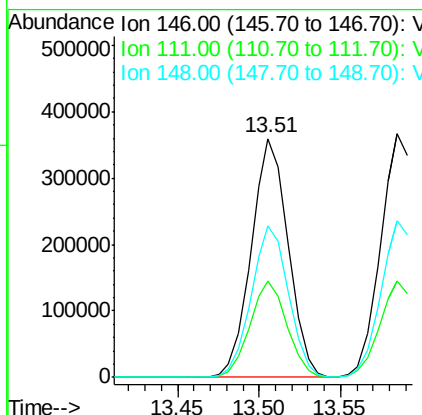
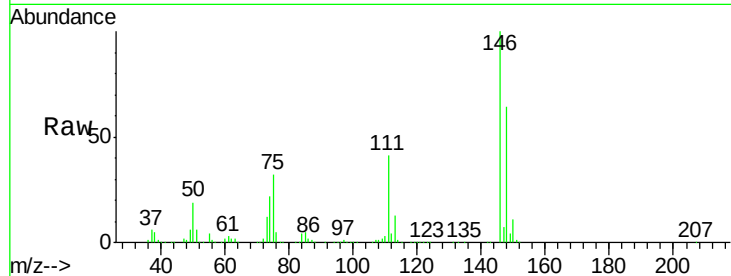




#63
 1,3-Dichlorobenzene
 Concen: 47.337 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003760.D
 Acq: 07 Jul 2018 10:44

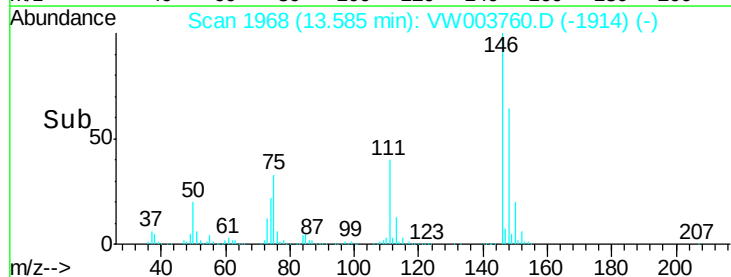
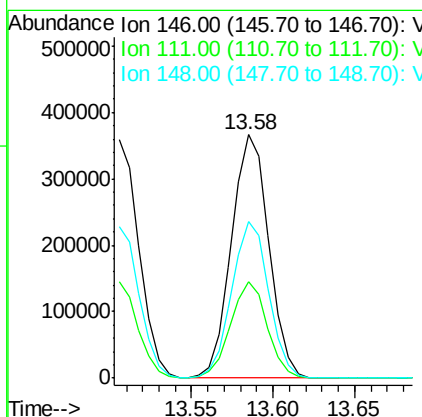
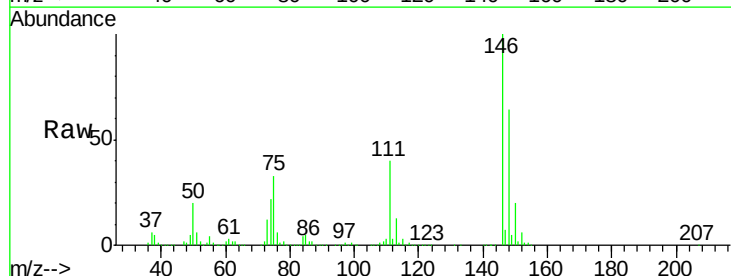
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05090

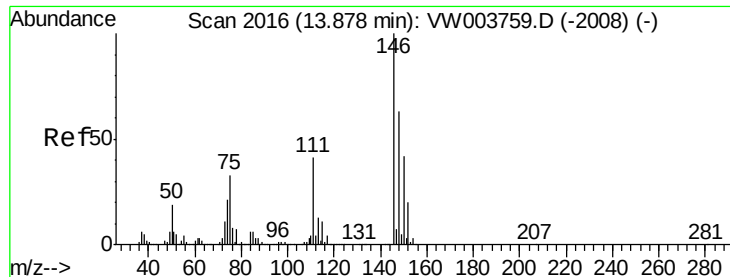
Tgt Ion:146 Resp: 563537
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.3 52.7
 148 63.7 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 45.391 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003760.D
 Acq: 07 Jul 2018 10:44

Tgt Ion:146 Resp: 585078
 Ion Ratio Lower Upper
 146 100
 111 39.6 26.9 50.1
 148 64.2 44.6 82.8

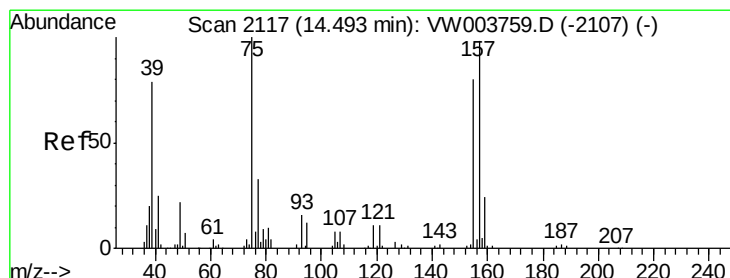
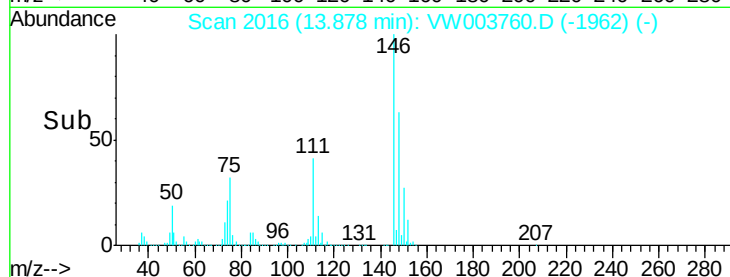
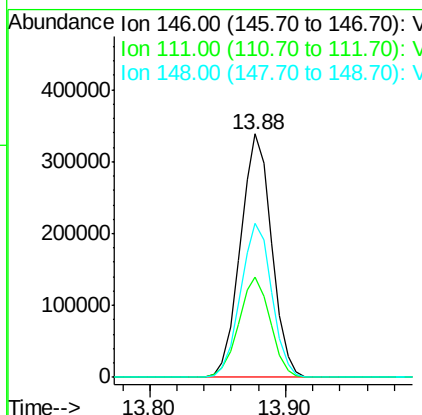
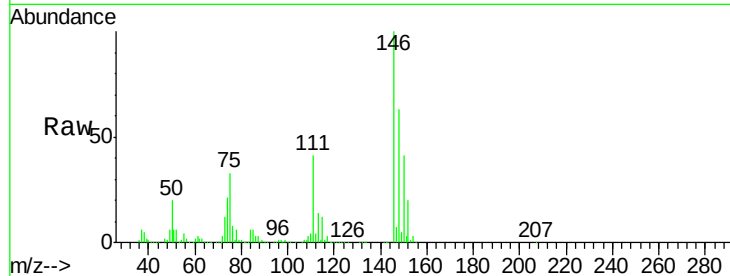




#65
 1,2-Dichlorobenzene
 Concen: 46.393 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW003760.D
 Acq: 07 Jul 2018 10:44

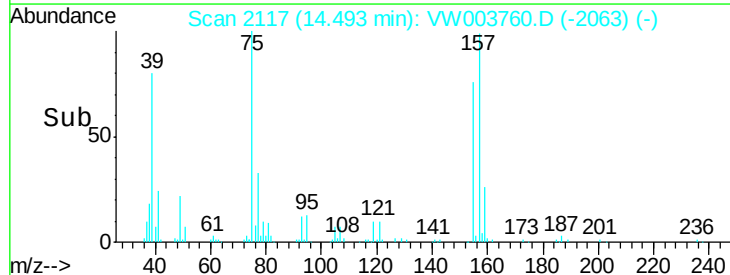
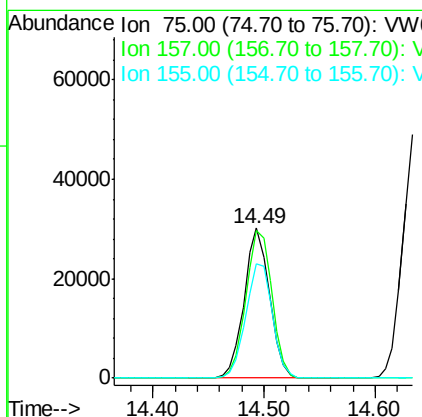
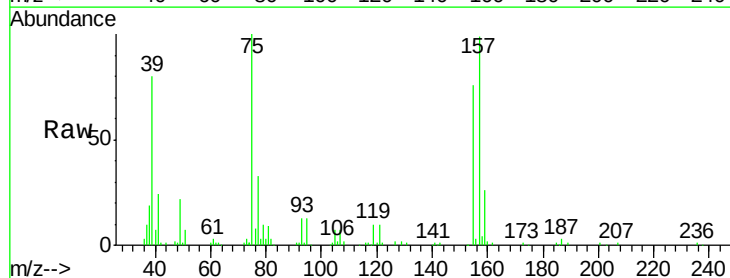
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05090

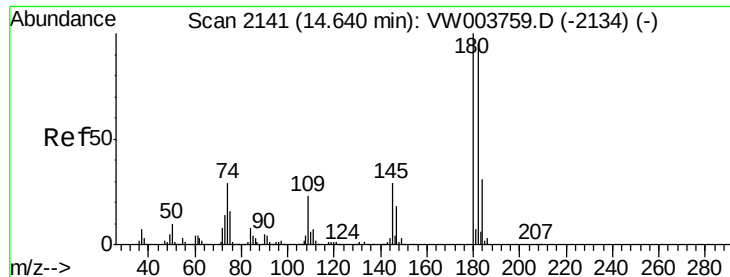
Tgt Ion:146 Resp: 539744
 Ion Ratio Lower Upper
 146 100
 111 41.3 32.6 48.8
 148 63.0 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.196 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW003760.D
 Acq: 07 Jul 2018 10:44

Tgt Ion: 75 Resp: 47546
 Ion Ratio Lower Upper
 75 100
 157 98.7 78.6 118.0
 155 76.2 63.7 95.5

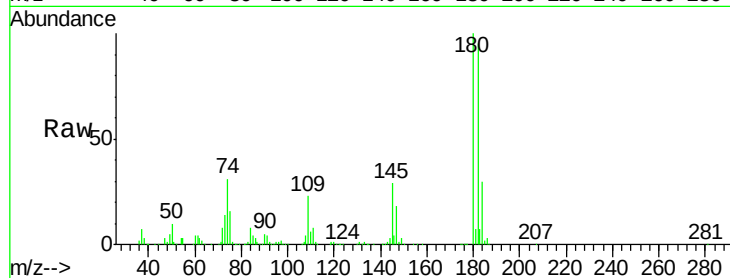




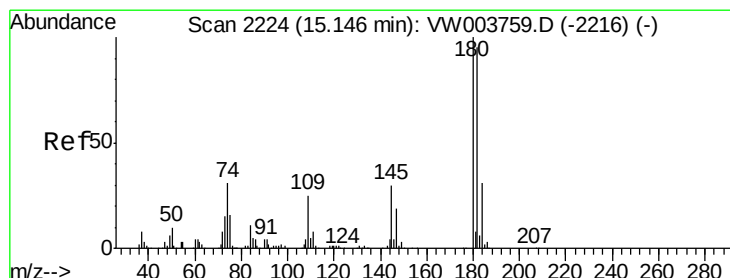
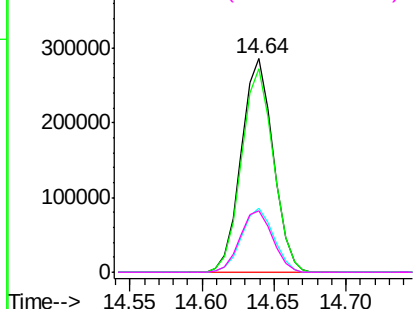
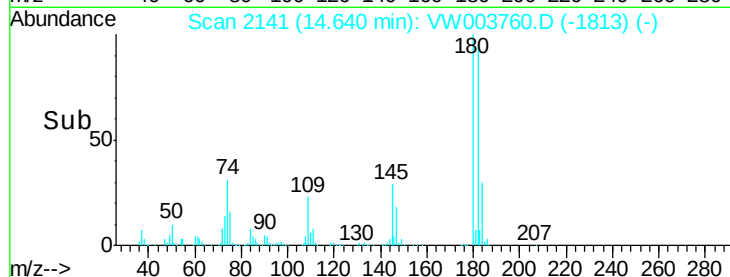
#67
 1,3,5-Trichlorobenzene
 Concen: 46.792 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW003760.D
 Acq: 07 Jul 2018 10:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05090

Tgt Ion:	180	Resp:	438948
Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.7	113.5
184	30.2	24.4	36.6
145	29.4	23.5	35.3

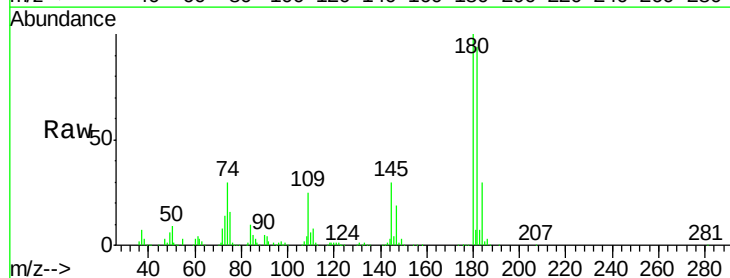


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

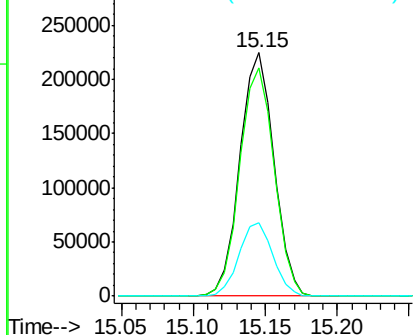
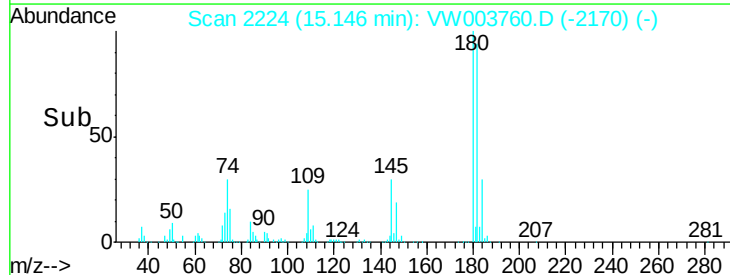


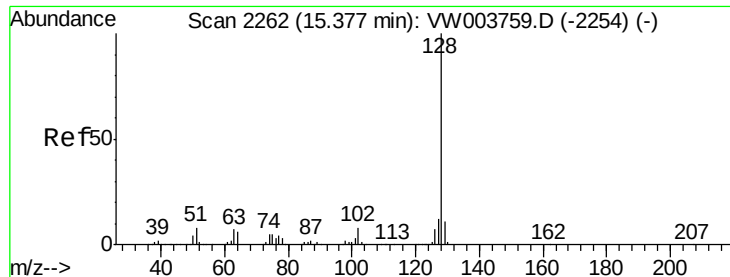
#68
 1,2,4-trichlorobenzene
 Concen: 48.822 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW003760.D
 Acq: 07 Jul 2018 10:44

Tgt Ion:	180	Resp:	367825
Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.4	114.6
145	30.0	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: 53.565 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW003760.D

Acq: 07 Jul 2018 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD05090

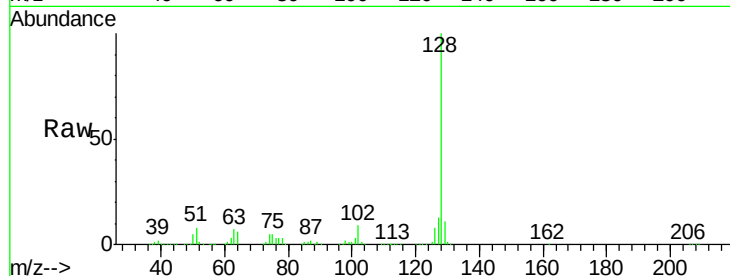
Tgt Ion:128 Resp: 807851

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

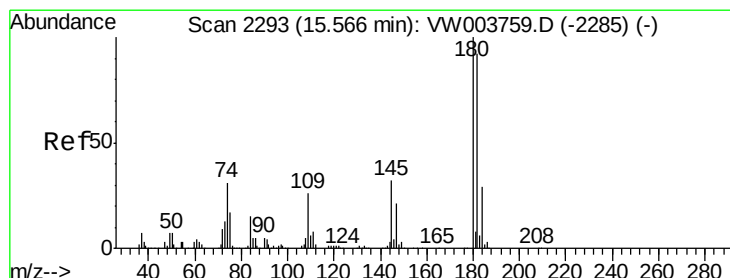
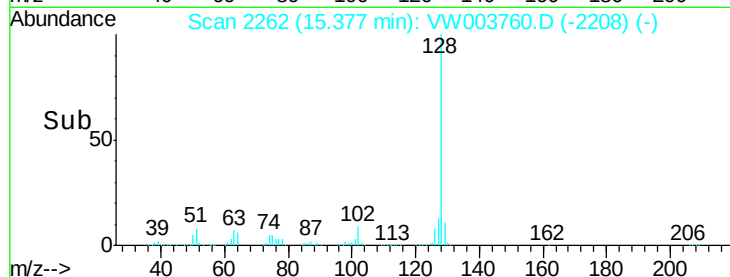
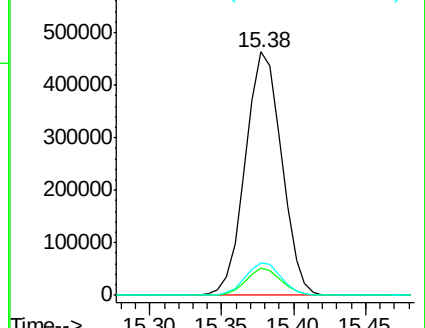
127 13.2 10.6 16.0



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: 47.592 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW003760.D

Acq: 07 Jul 2018 10:44

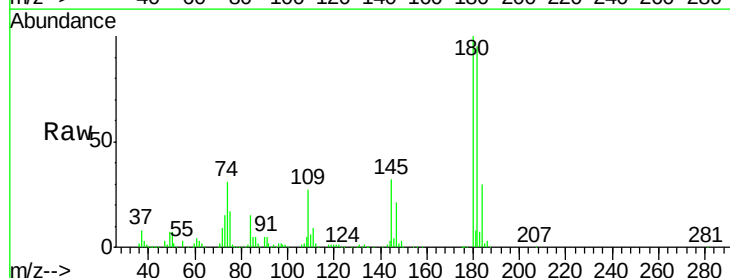
Tgt Ion:180 Resp: 338741

Ion Ratio Lower Upper

180 100

182 95.7 75.8 113.6

145 32.1 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

