

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070818\
 Data File : VW003758.D
 Acq On : 07 Jul 2018 09:53
 Operator : SY/AP
 Sample : VSTD00588
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00588

Quant Time: Jul 09 04:18:05 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	370153	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	344577	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	166964	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	24026	4.84	ug/L	0.00
7) Chloroethane-d5	2.89	69	18097	4.78	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	50688	5.36	ug/L	0.00
20) 2-Butanone-d5	7.10	46	15016	9.58	ug/L	0.00
24) Chloroform-d	7.65	84	48380	4.80	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	29489	4.88	ug/L	0.00
29) Benzene-d6	8.27	84	90916	4.98	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	29704	5.01	ug/L	0.00
37) Toluene-d8	10.33	98	83715	4.84	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	12892	4.74	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	9964	8.77	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	26443	4.77	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	31532	5.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	8456	2.686 ug/L	94
3) Chloromethane	2.21	50	20551	4.774 ug/L	95
5) Vinyl chloride	2.36	62	29413	4.675 ug/L	98
6) Bromomethane	2.78	94	15518	4.306 ug/L	97
8) Chloroethane	2.93	64	17307	5.005 ug/L	100
9) Trichlorofluoromethane	3.26	101	15936	5.437 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	24117	5.180 ug/L #	85
12) 1,1-Dichloroethene	4.03	96	22803	5.003 ug/L	94
13) Acetone	4.15	43	17054	9.831 ug/L	78
14) Carbon disulfide	4.37	76	75083	5.052 ug/L	100
15) Methyl Acetate	4.68	43	15051	5.432 ug/L #	79
16) Methylene chloride	4.91	84	30672	5.169 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	40172	4.619 ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	23403	4.736 ug/L	98
19) 1,1-Dichloroethane	6.21	63	46461	4.832 ug/L	95
21) 2-Butanone	7.18	43	18381	8.428 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	24566	4.532 ug/L	97
23) Bromochloromethane	7.52	128	11622	4.555 ug/L	98
25) Chloroform	7.67	83	46657	4.677 ug/L	99
27) 1,2-Dichloroethane	8.40	62	33619	4.604 ug/L	98
30) Cyclohexane	7.96	56	36119	4.488 ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	38337	4.986 ug/L	99
32) Carbon tetrachloride	8.07	117	35705	4.744 ug/L	98
34) Benzene	8.32	78	100620	4.846 ug/L	100
35) Trichloroethene	9.09	95	26443	4.787 ug/L	98
36) Methylcyclohexane	9.34	83	42205	4.544 ug/L	97
40) 1,2-Dichloropropane	9.37	63	26682	4.852 ug/L #	97
41) Bromodichloromethane	9.65	83	33269	4.652 ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	36714	4.481 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	34487	8.721 ug/L	99

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

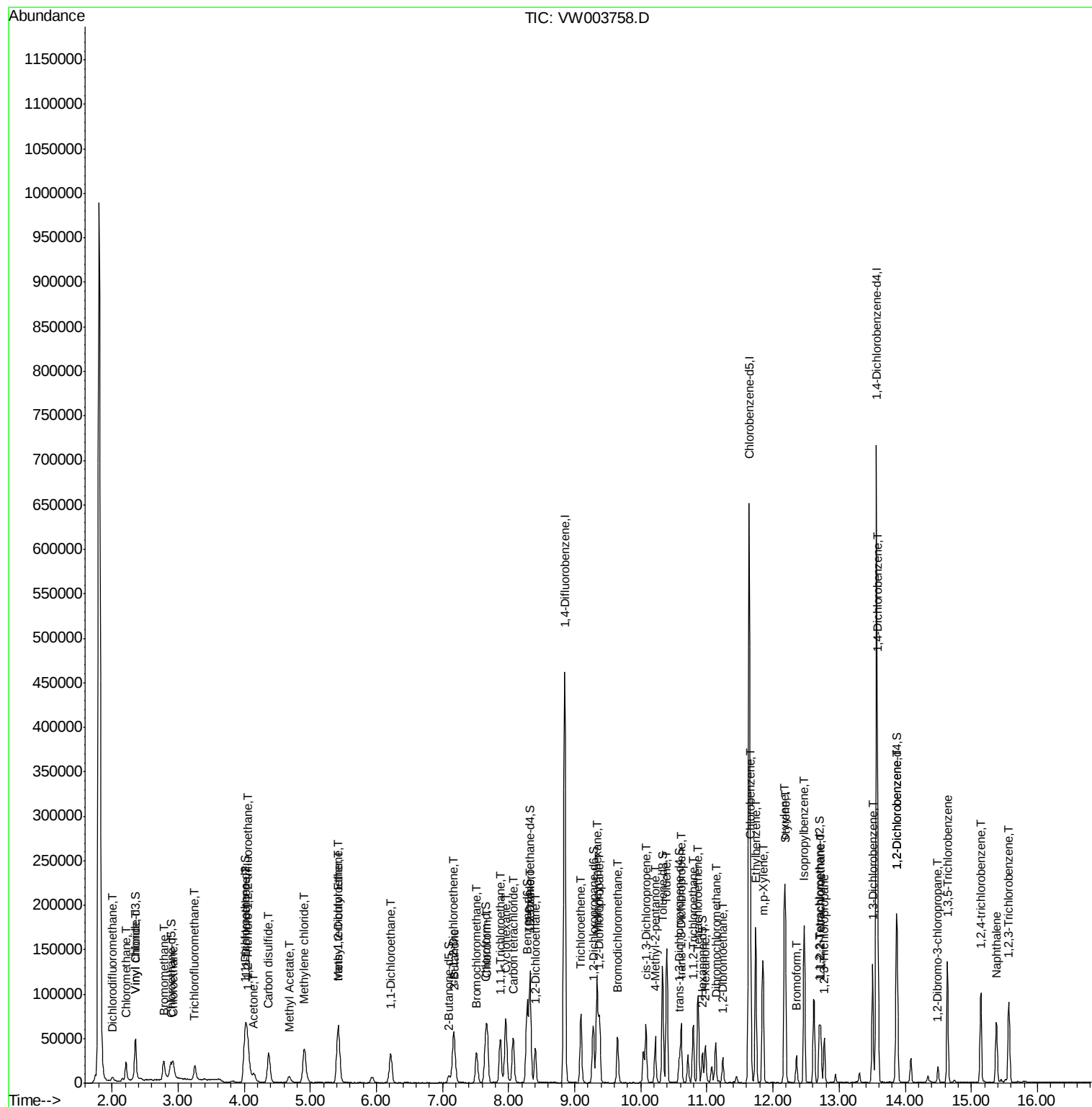
44) Toluene	10.39	91	105270	4.743	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	33160	4.428	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	19679	4.706	ug/L	97
47) Tetrachloroethene	10.87	164	21983	4.801	ug/L	96
49) 2-Hexanone	10.98	43	25956	8.527	ug/L	99
50) Dibromochloromethane	11.13	129	22989	4.592	ug/L	99
51) 1,2-Dibromoethane	11.24	107	18722	4.643	ug/L #	99
52) Chlorobenzene	11.66	112	69772	4.779	ug/L	99
53) Ethylbenzene	11.74	91	114599	4.568	ug/L	100
54) m,p-Xylene	11.85	106	42687	4.621	ug/L	100
55) o-xylene	12.17	106	38493	4.413	ug/L	96
56) Styrene	12.19	104	66365	4.351	ug/L	98
57) Isopropylbenzene	12.47	105	107174	4.479	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	25458	4.582	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	19713	4.757	ug/L	97
62) Bromoform	12.35	173	13720	4.589	ug/L	97
63) 1,3-Dichlorobenzene	13.51	146	51807	4.908	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	56411	4.936	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	49988	4.846	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	4588	4.918	ug/L	89
67) 1,3,5-Trichlorobenzene	14.64	180	40229	4.836	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	31069	4.651	ug/L	99
69) Naphthalene	15.38	128	56888	4.254	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	29393	4.657	ug/L	99

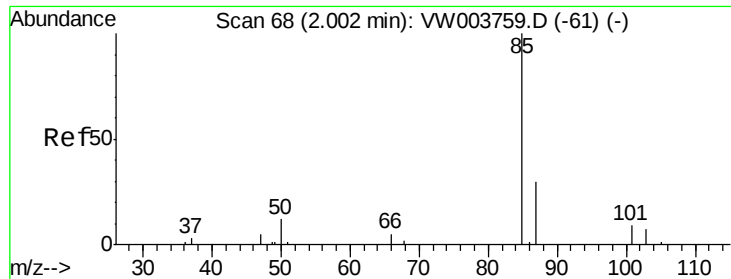
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.686 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003758.D

Acq: 07 Jul 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

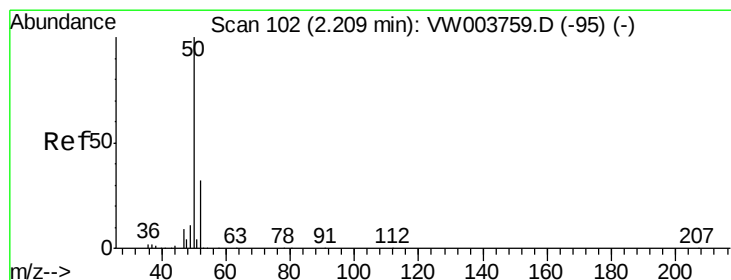
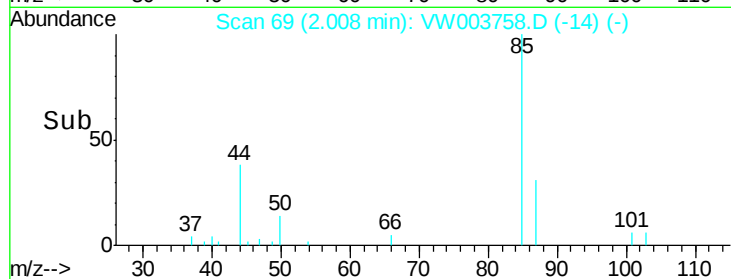
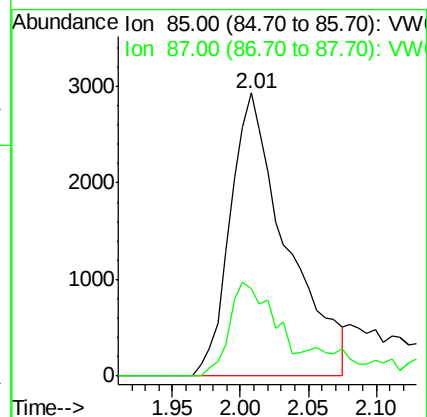
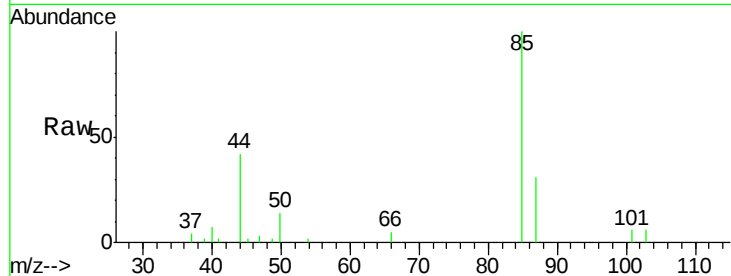
VSTD00588

Tgt Ion: 85 Resp: 8456

Ion Ratio Lower Upper

85 100

87 26.2 16.4 30.4



#3

Chloromethane

Concen: 4.774 ug/L

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW003758.D

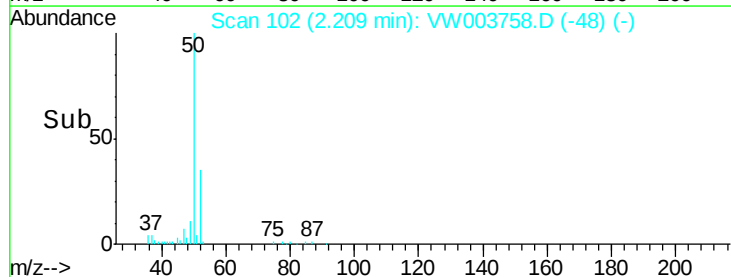
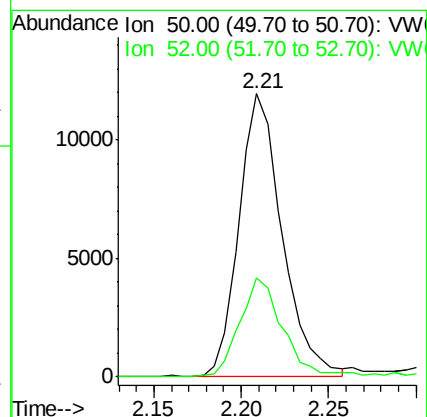
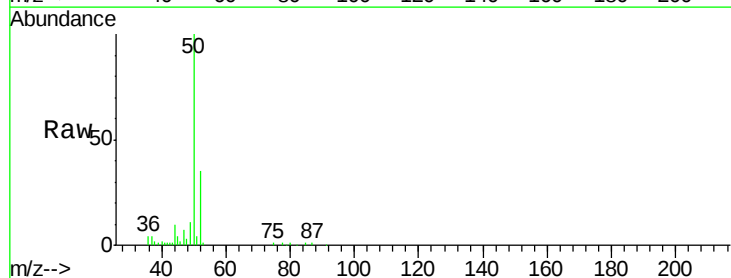
Acq: 07 Jul 2018 09:53

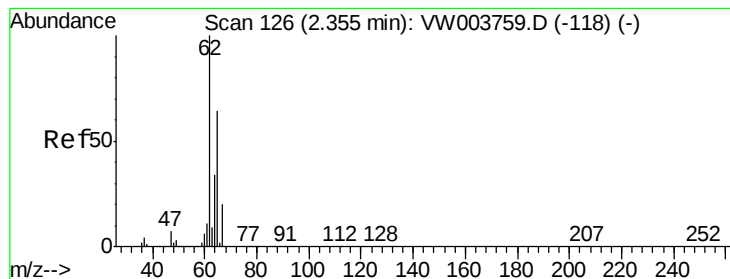
Tgt Ion: 50 Resp: 20551

Ion Ratio Lower Upper

50 100

52 35.1 22.7 42.3





#5

Vinyl chloride

Concen: 4.675 ug/L

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003758.D

Acq: 07 Jul 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

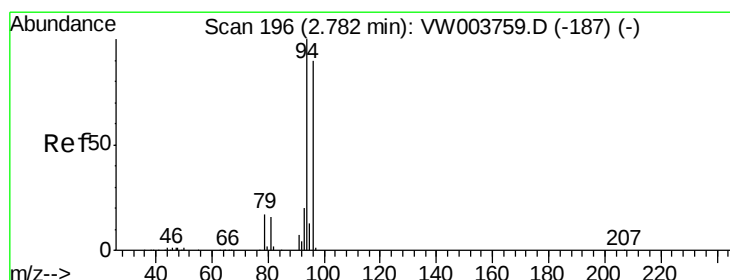
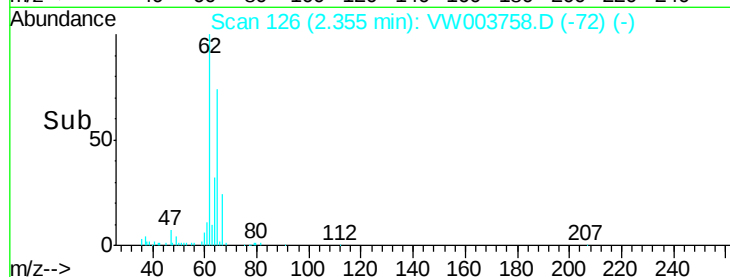
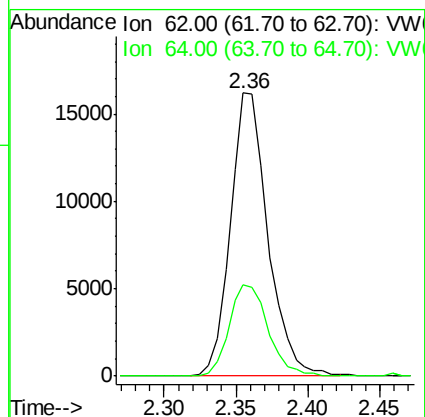
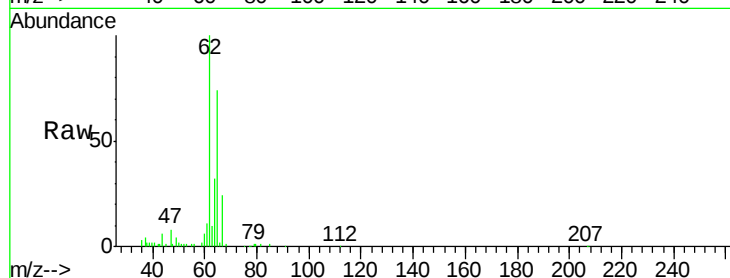
VSTD00588

Tgt Ion: 62 Resp: 29413

Ion Ratio Lower Upper

62 100

64 32.2 23.4 43.6



#6

Bromomethane

Concen: 4.306 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW003758.D

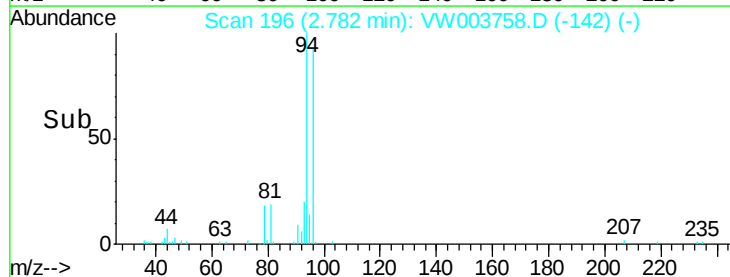
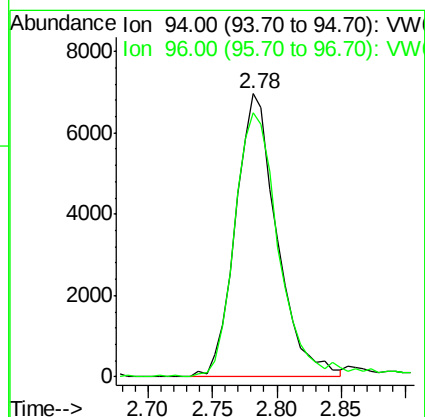
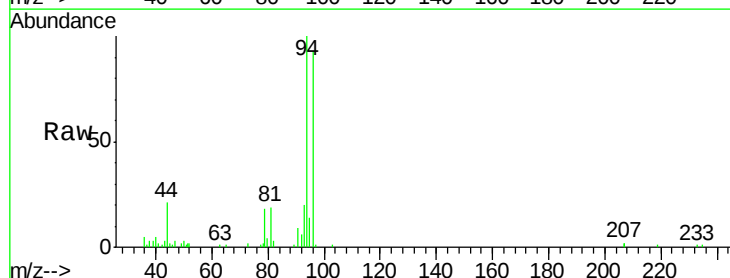
Acq: 07 Jul 2018 09:53

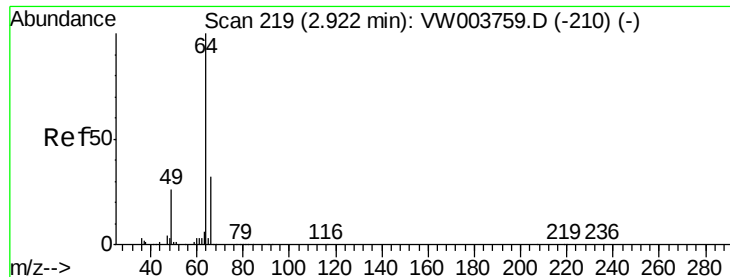
Tgt Ion: 94 Resp: 15518

Ion Ratio Lower Upper

94 100

96 97.0 9.4 179.5





#8

Chloroethane

Concen: 5.005 ug/L

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW003758.D

Acq: 07 Jul 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

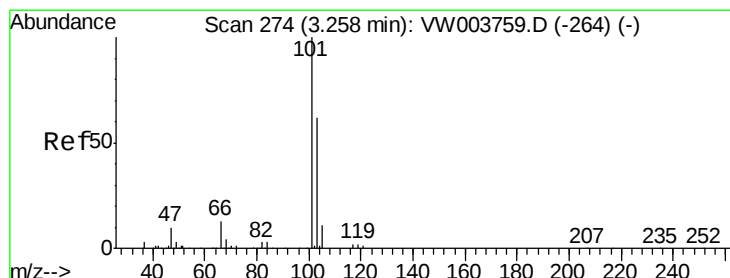
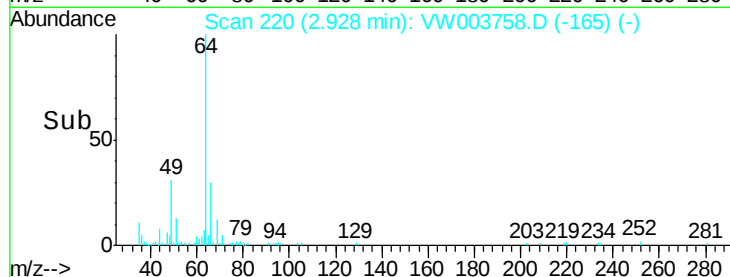
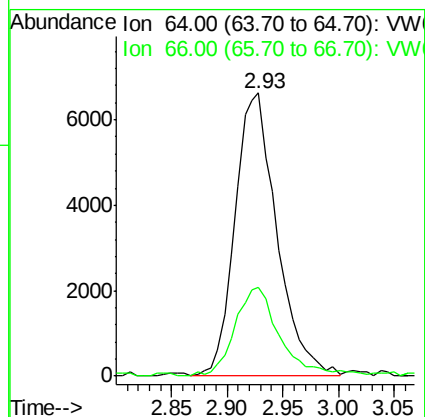
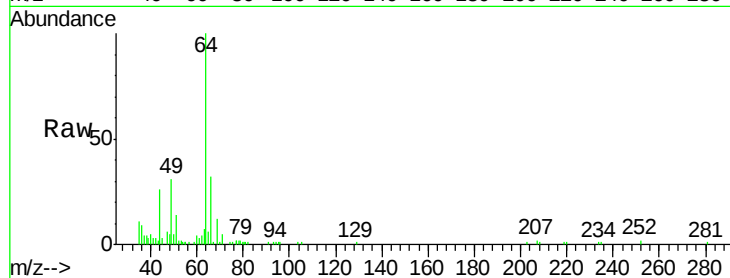
VSTD00588

Tgt Ion: 64 Resp: 17307

Ion Ratio Lower Upper

64 100

66 31.5 22.1 41.1



#9

Trichlorofluoromethane

Concen: 5.437 ug/L

RT: 3.26 min Scan# 274

Delta R.T. -0.00 min

Lab File: VW003758.D

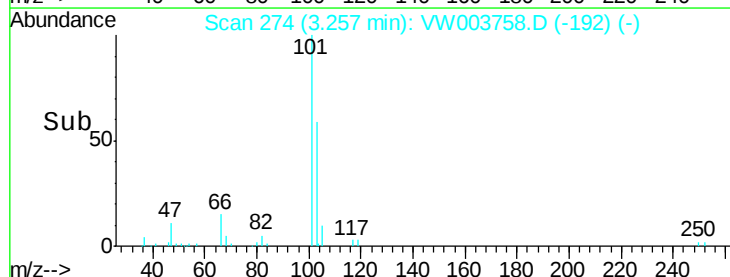
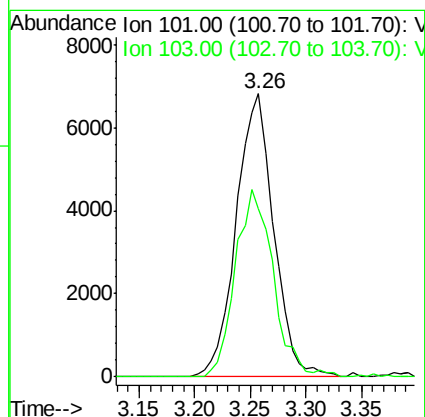
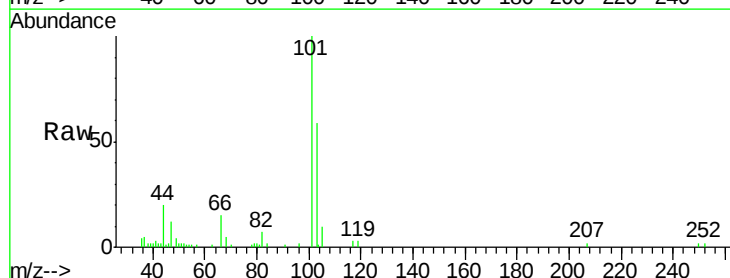
Acq: 07 Jul 2018 09:53

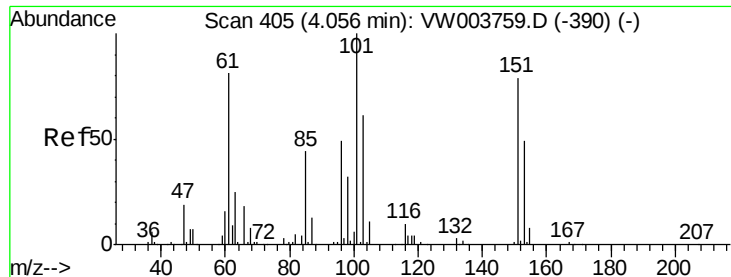
Tgt Ion: 101 Resp: 15936

Ion Ratio Lower Upper

101 100

103 66.1 44.5 82.7





#11

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

Concen: 5.180 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW003758.D

Acq: 07 Jul 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD00588

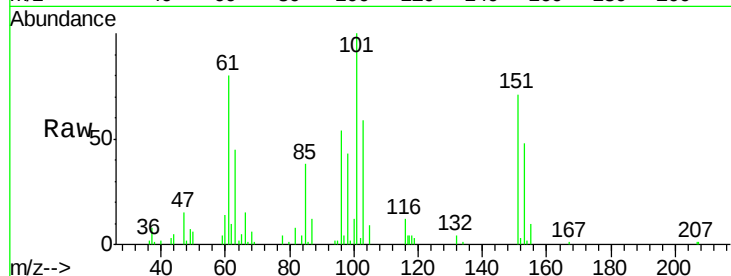
Tgt Ion:101 Resp: 24117

Ion Ratio Lower Upper

101 100

85 21.3 36.6 55.0#

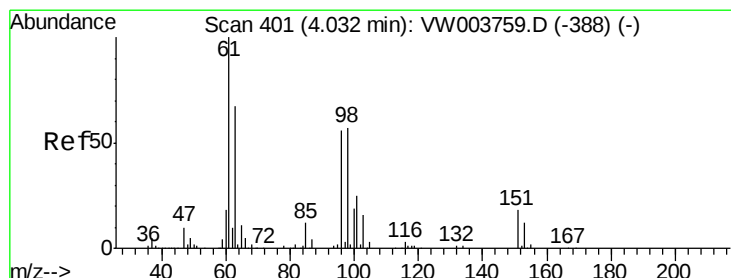
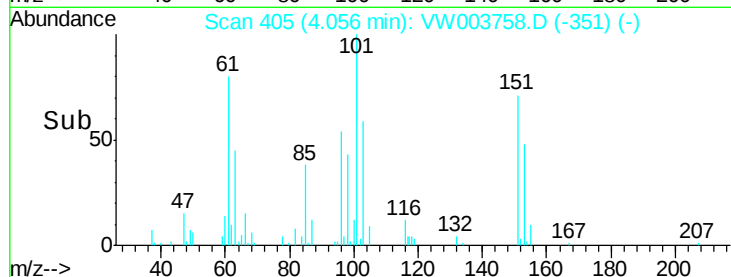
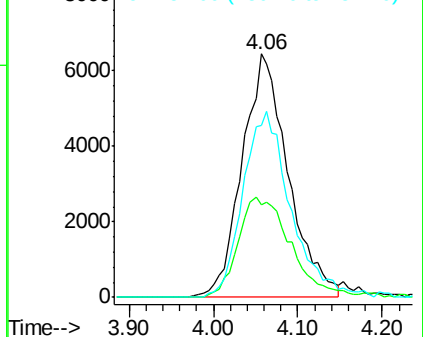
151 75.6 61.4 92.0



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: 5.003 ug/L

RT: 4.03 min Scan# 401

Delta R.T. -0.00 min

Lab File: VW003758.D

Acq: 07 Jul 2018 09:53

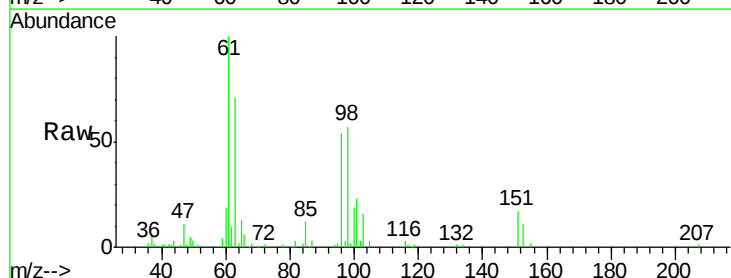
Tgt Ion: 96 Resp: 22803

Ion Ratio Lower Upper

96 100

61 186.1 126.2 234.4

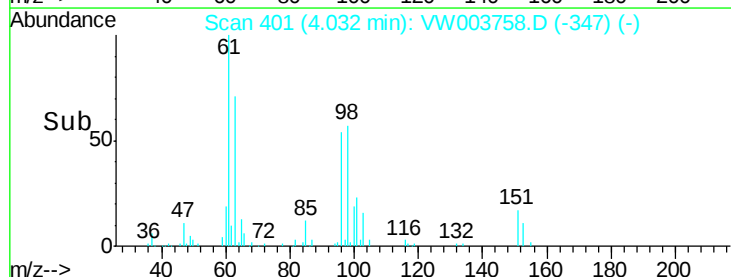
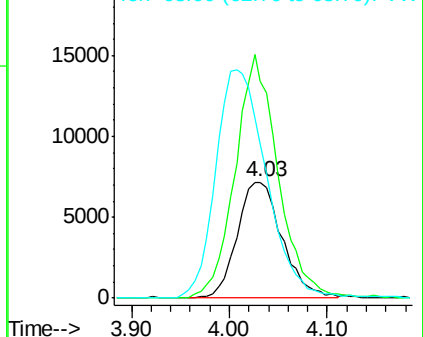
63 132.0 85.8 159.4

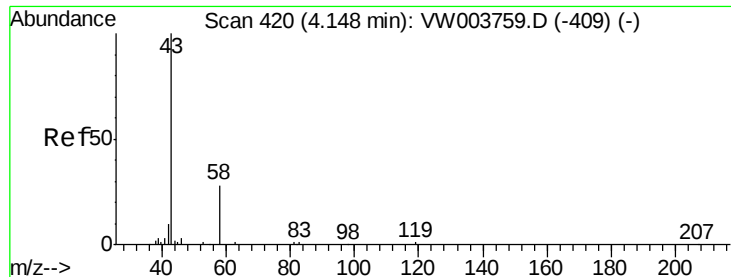


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 9.831 ug/L

RT: 4.15 min Scan# 420

Delta R.T. -0.00 min

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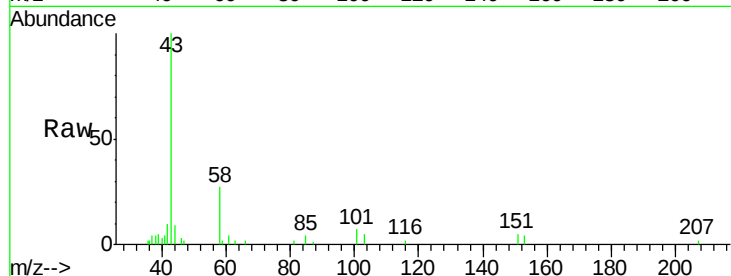
VSTD00588

Tgt Ion: 43 Resp: 17054

Ion Ratio Lower Upper

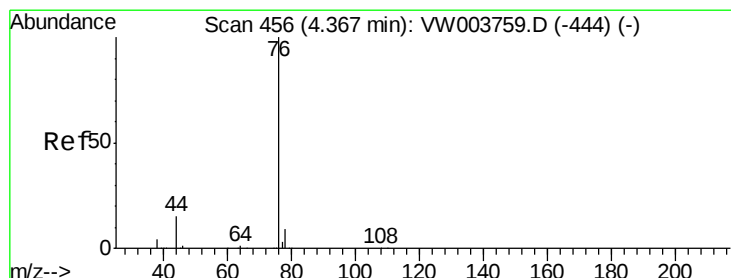
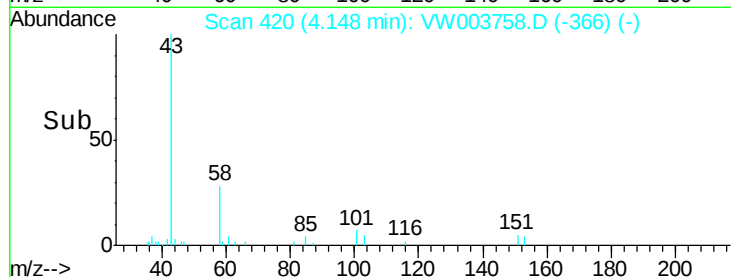
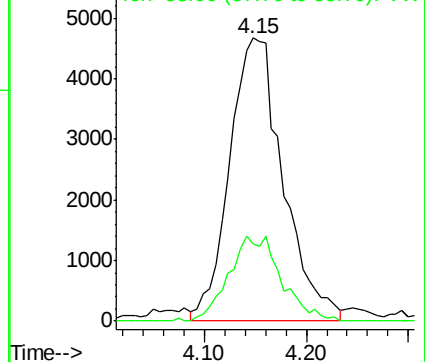
43 100

58 17.4 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: 5.052 ug/L

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW003758.D

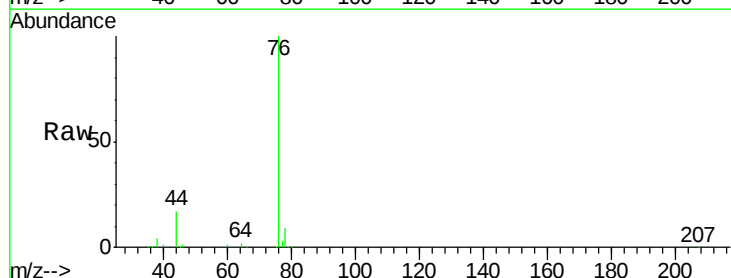
Acq: 07 Jul 2018 09:53

Tgt Ion: 76 Resp: 75083

Ion Ratio Lower Upper

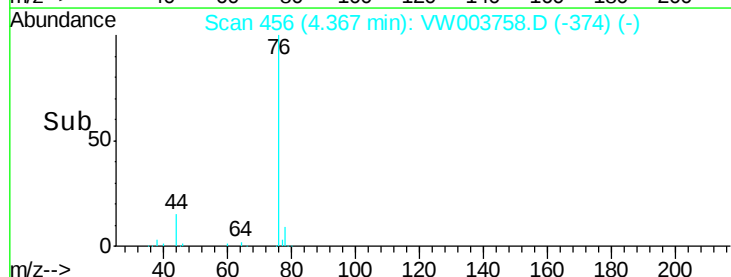
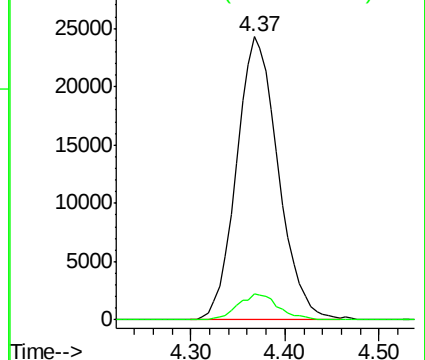
76 100

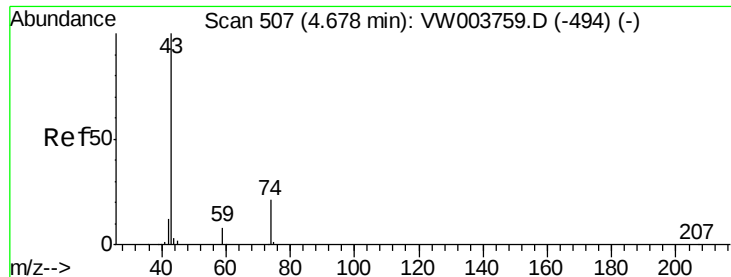
78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 5.432 ug/L

RT: 4.68 min Scan# 508

Delta R.T. 0.01 min

Lab File: VW003758.D

Acq: 07 Jul 2018 09:53

Instrument :

MSVOA_W

ClientSampled :

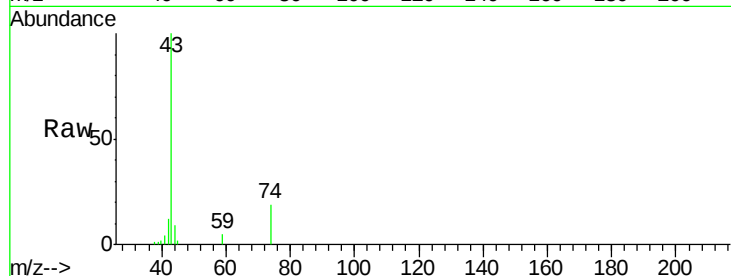
VSTD00588

Tgt Ion: 43 Resp: 15051

Ion Ratio Lower Upper

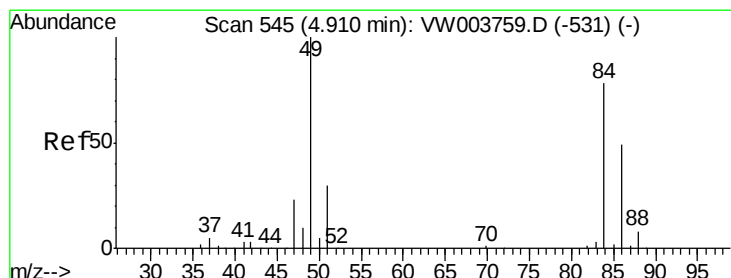
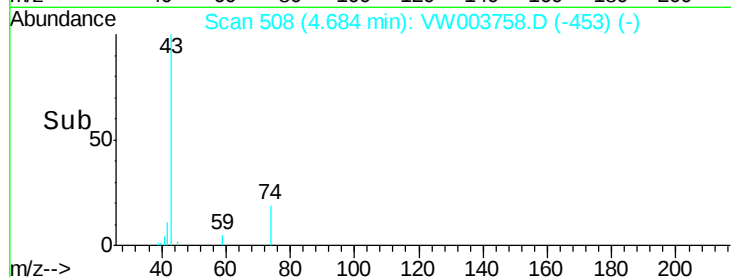
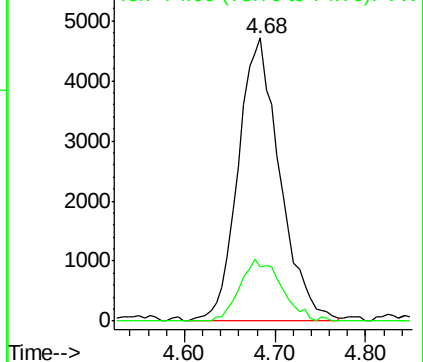
43 100

74 11.6 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 5.169 ug/L

RT: 4.91 min Scan# 545

Delta R.T. -0.00 min

Lab File: VW003758.D

Acq: 07 Jul 2018 09:53

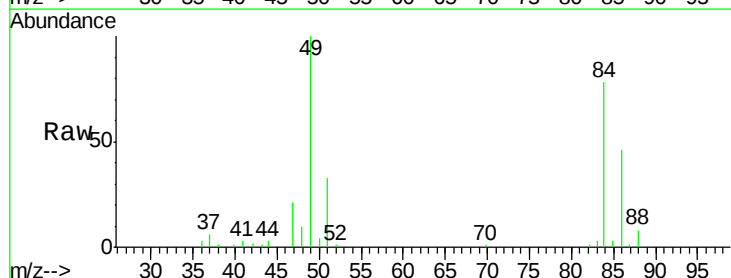
Tgt Ion: 84 Resp: 30672

Ion Ratio Lower Upper

84 100

49 128.7 89.9 166.9

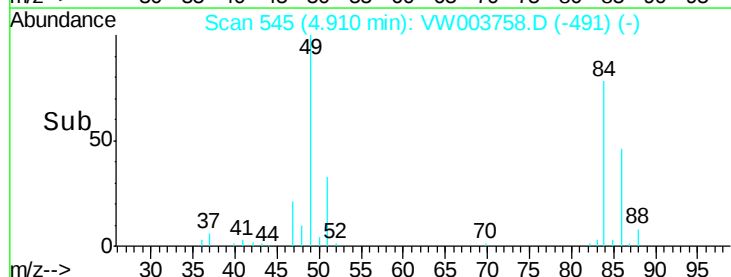
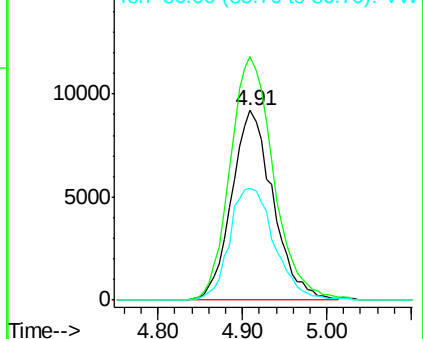
86 58.9 43.9 81.5

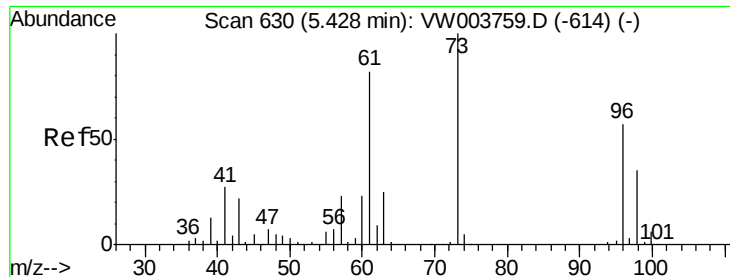


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

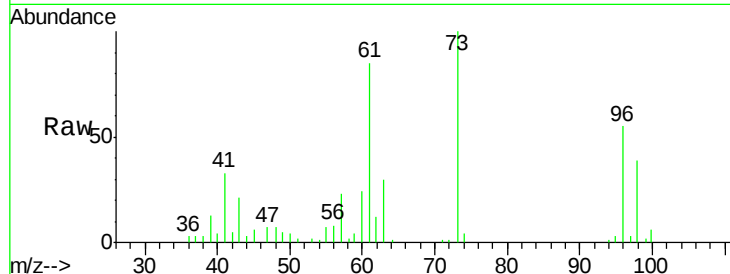




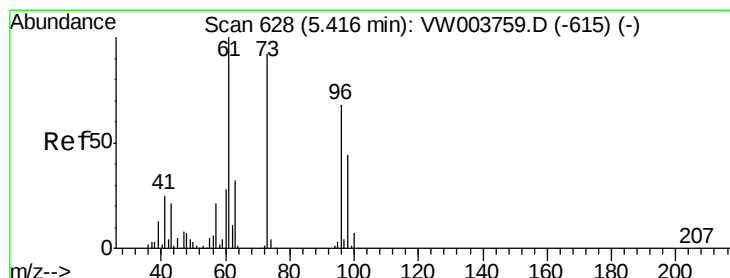
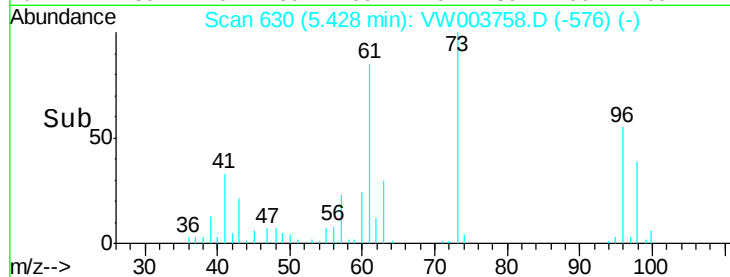
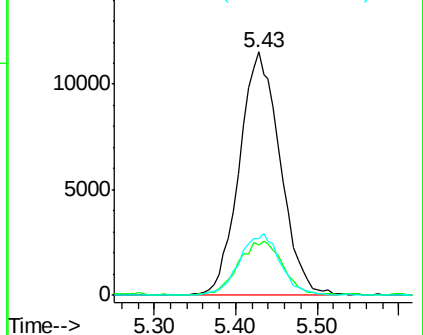
#17
Methyl tert-butyl Ether
Concen: 4.619 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW003758.D
Acq: 07 Jul 2018 09:53

Instrument :
MSVOA_W
ClientSampleId :
VSTD00588

Tgt Ion: 73 Resp: 40172
Ion Ratio Lower Upper
73 100
43 24.0 18.2 27.4
57 25.3 18.6 28.0

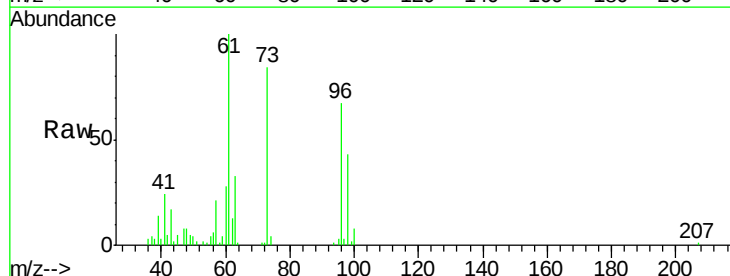


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

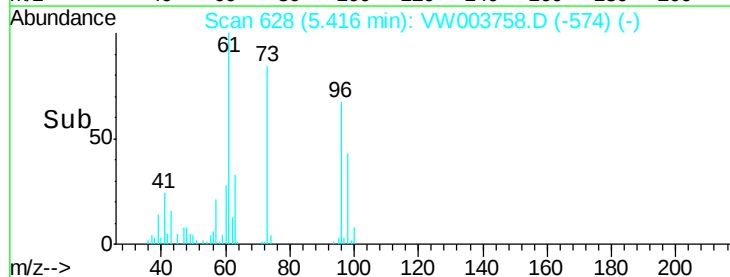
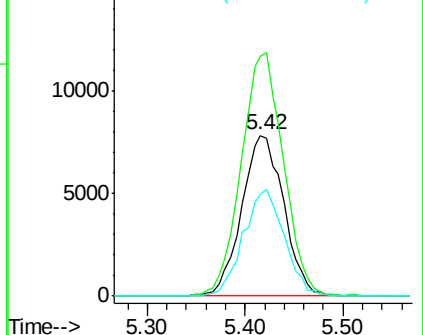


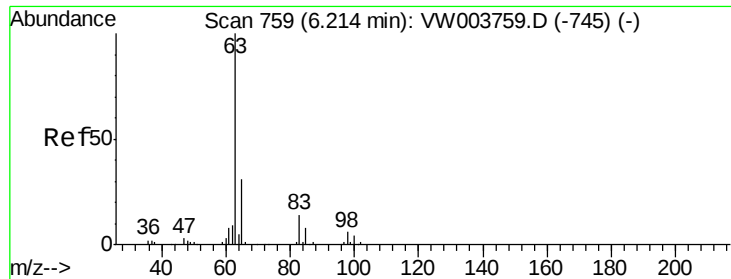
#18
trans-1,2-Dichloroethene
Concen: 4.736 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.00 min
Lab File: VW003758.D
Acq: 07 Jul 2018 09:53

Tgt Ion: 96 Resp: 23403
Ion Ratio Lower Upper
96 100
61 149.1 103.0 191.2
98 63.5 45.8 85.2



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

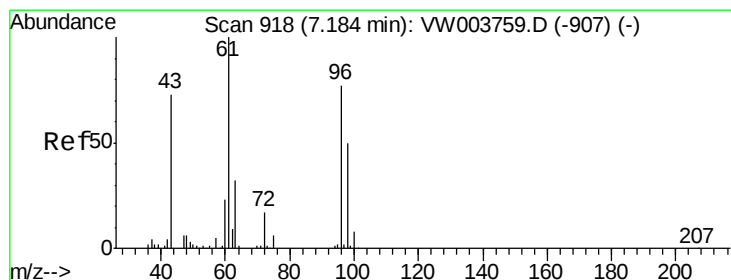
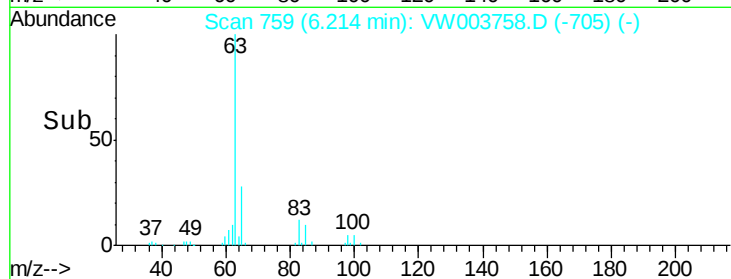
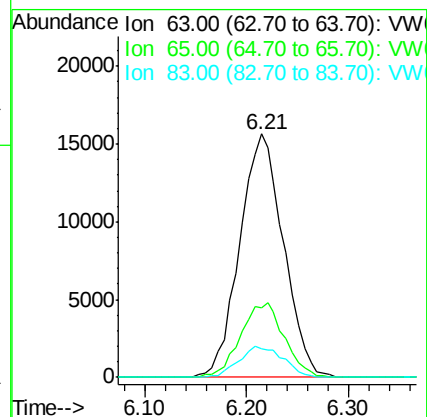
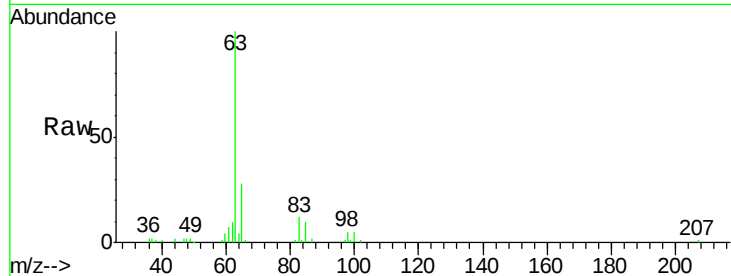




#19
 1,1-Dichloroethane
 Concen: 4.832 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VW003758.D
 Acq: 07 Jul 2018 09:53

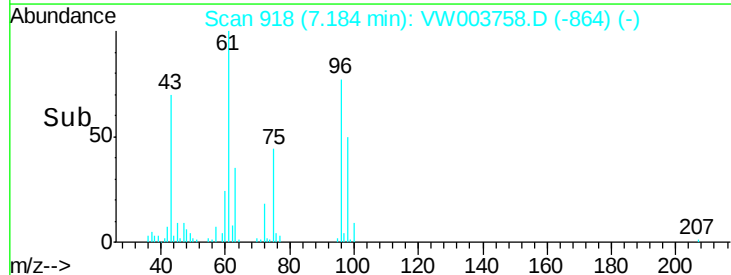
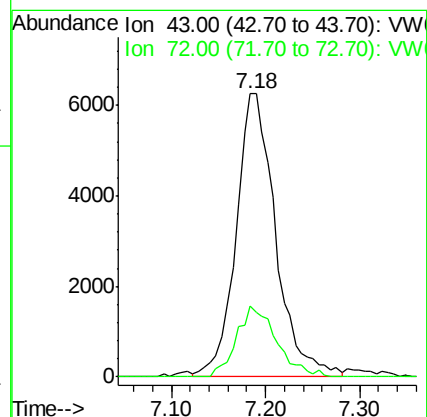
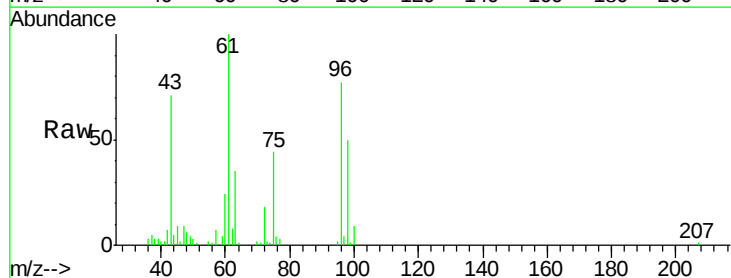
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00588

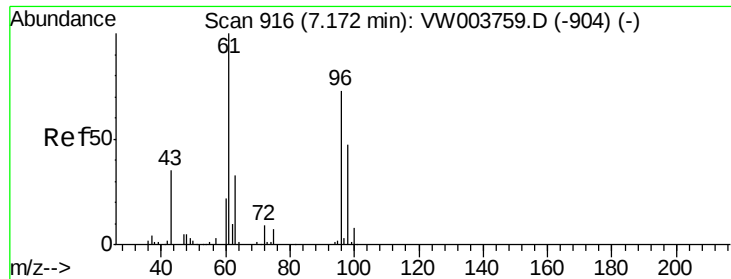
Tgt Ion: 63 Resp: 46461
 Ion Ratio Lower Upper
 63 100
 65 28.5 21.9 40.7
 83 11.9 9.6 17.8



#21
 2-Butanone
 Concen: 8.428 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VW003758.D
 Acq: 07 Jul 2018 09:53

Tgt Ion: 43 Resp: 18381
 Ion Ratio Lower Upper
 43 100
 72 23.8 12.3 36.9



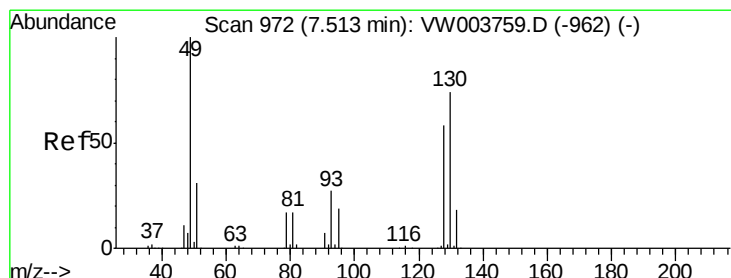
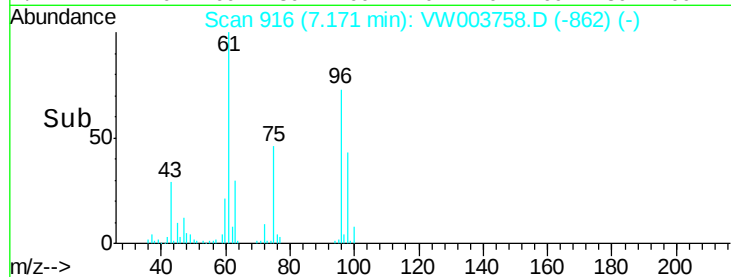
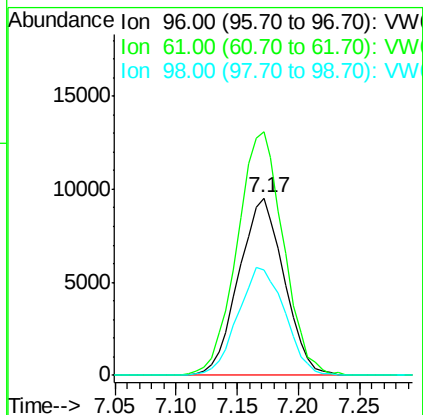
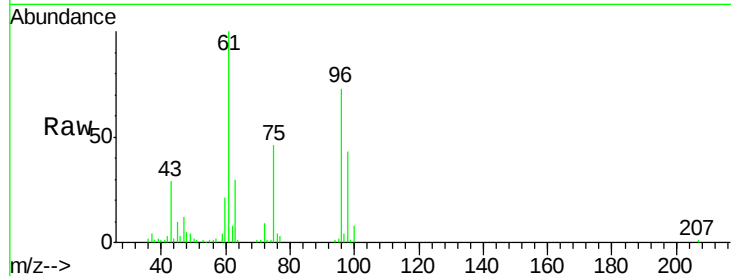


#22

cis-1,2-Dichloroethene
 Concen: 4.532 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VW003758.D
 Acq: 07 Jul 2018 09:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00588

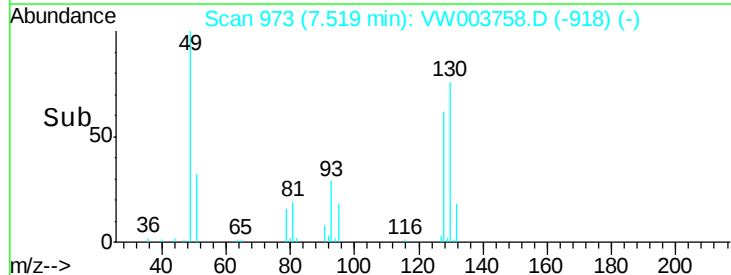
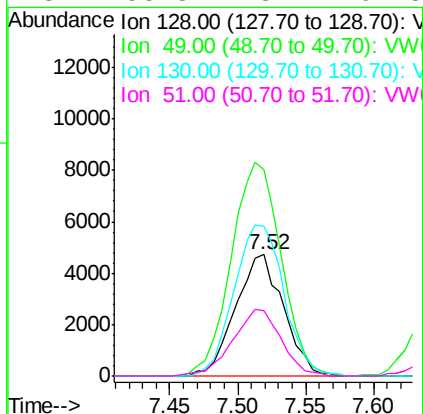
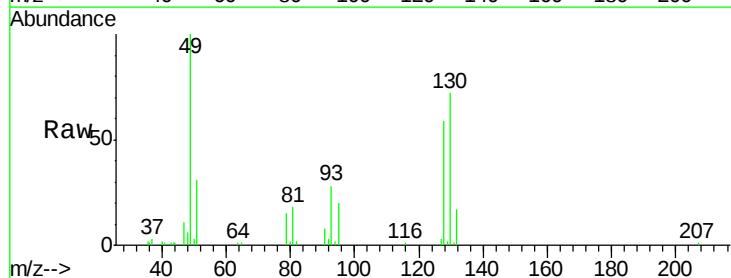
Tgt Ion: 96 Resp: 24566
 Ion Ratio Lower Upper
 96 100
 61 137.3 96.4 179.0
 98 59.4 45.6 84.8

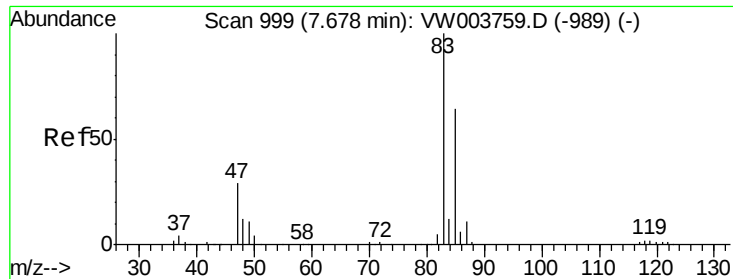


#23

Bromochloromethane
 Concen: 4.555 ug/L
 RT: 7.52 min Scan# 973
 Delta R.T. 0.01 min
 Lab File: VW003758.D
 Acq: 07 Jul 2018 09:53

Tgt Ion: 128 Resp: 11622
 Ion Ratio Lower Upper
 128 100
 49 169.7 120.7 224.1
 130 122.9 88.8 164.8
 51 53.3 43.2 64.8

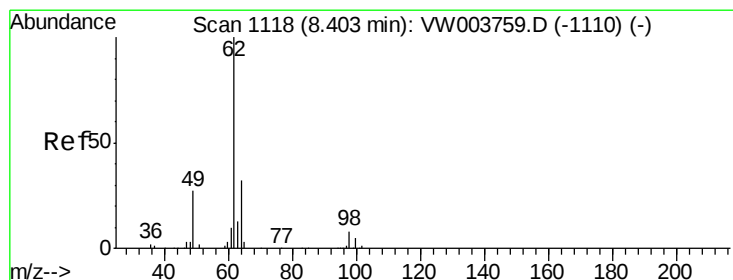
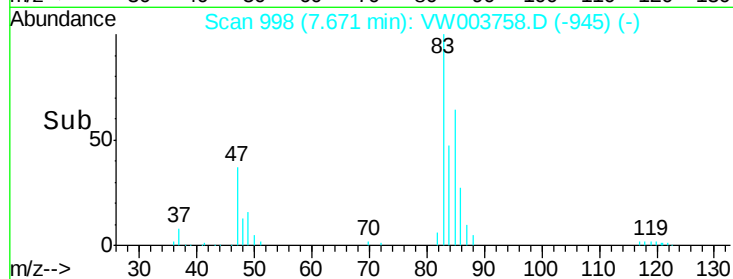
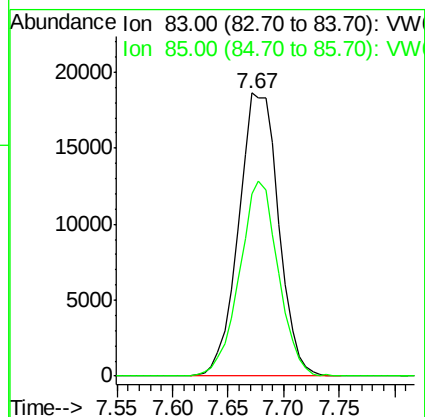
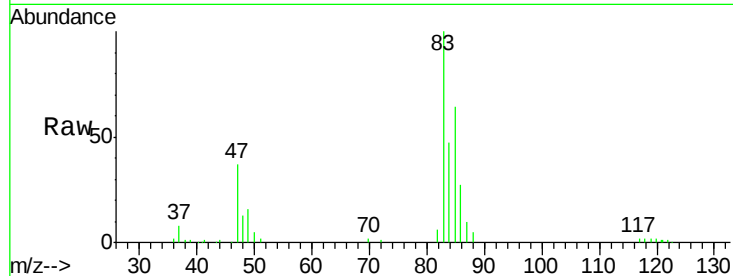




#25
Chloroform
Concen: 4.677 ug/L
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW003758.D
Acq: 07 Jul 2018 09:53

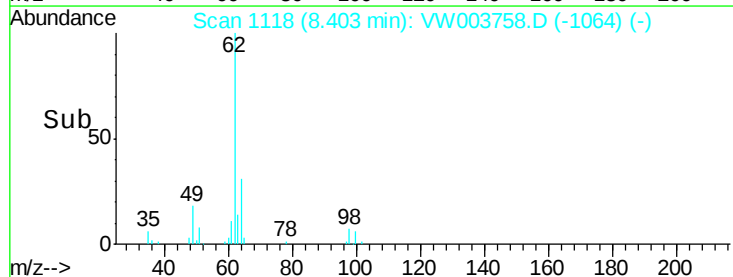
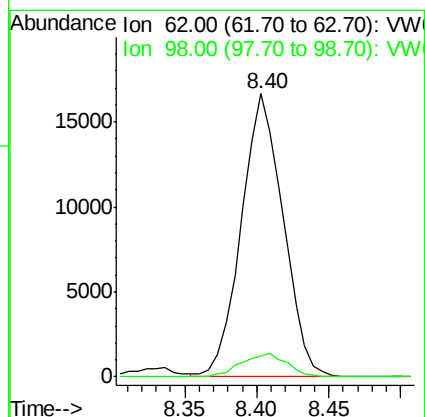
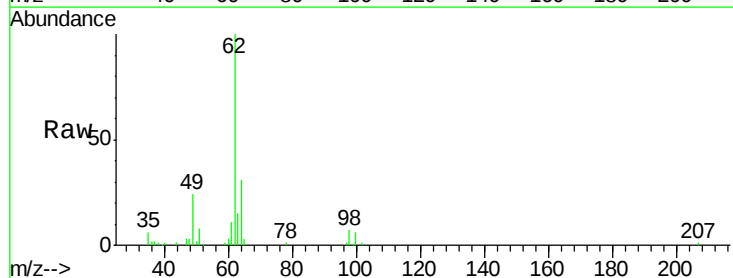
Instrument :
MSVOA_W
ClientSampled :
VSTD00588

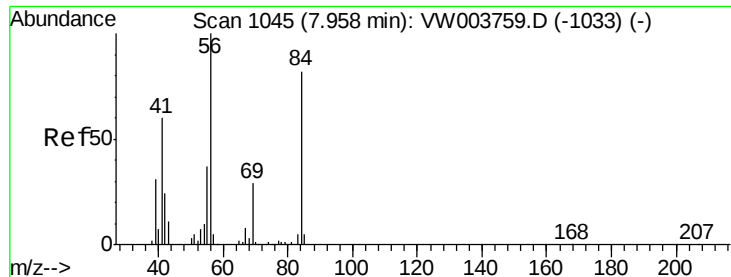
Tgt Ion: 83 Resp: 46657
Ion Ratio Lower Upper
83 100
85 66.4 46.0 85.4



#27
1,2-Dichloroethane
Concen: 4.604 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW003758.D
Acq: 07 Jul 2018 09:53

Tgt Ion: 62 Resp: 33619
Ion Ratio Lower Upper
62 100
98 7.3 6.4 9.6

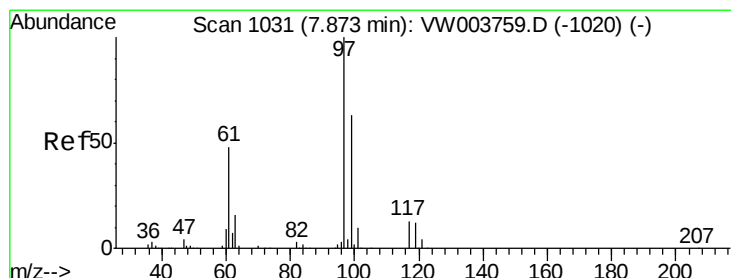
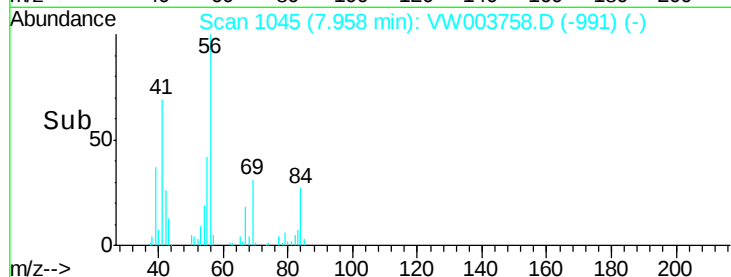
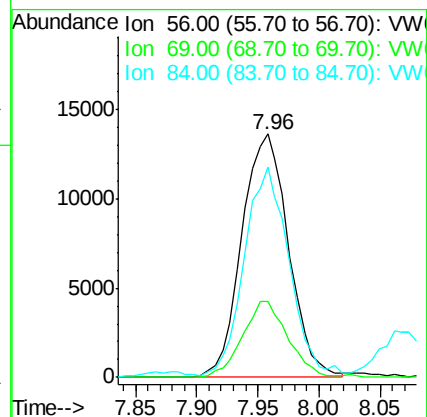
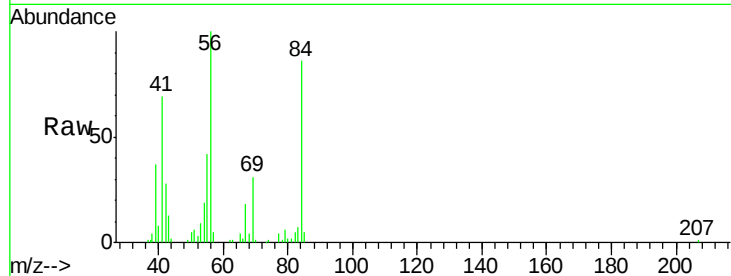




#30
Cyclohexane
Concen: 4.488 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW003758.D
Acq: 07 Jul 2018 09:53

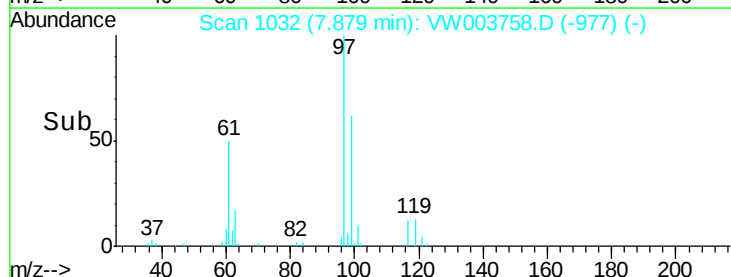
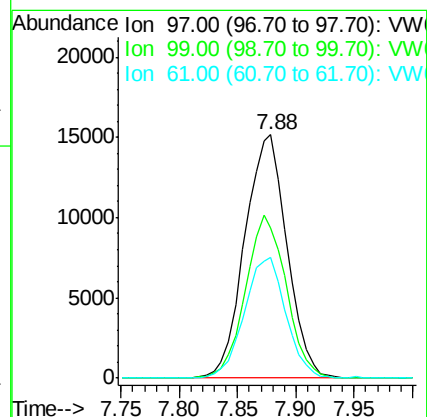
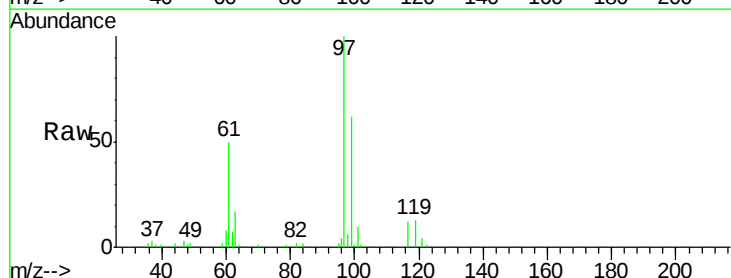
Instrument :
MSVOA_W
ClientSampleId :
VSTD00588

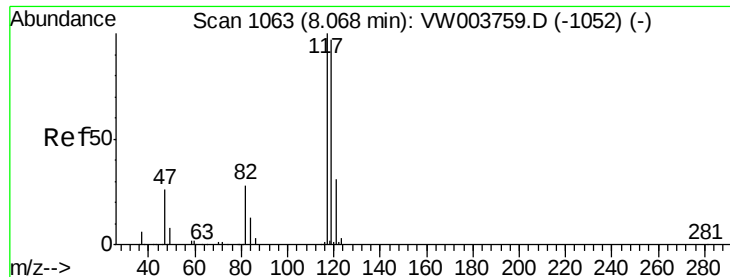
Tgt Ion: 56 Resp: 36119
Ion Ratio Lower Upper
56 100
69 30.5 23.7 35.5
84 82.6 65.8 98.6



#31
1,1,1-Trichloroethane
Concen: 4.986 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VW003758.D
Acq: 07 Jul 2018 09:53

Tgt Ion: 97 Resp: 38337
Ion Ratio Lower Upper
97 100
99 64.5 51.3 76.9
61 48.6 38.1 57.1





#32

Carbon tetrachloride

Concen: 4.744 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW003758.D

Acq: 07 Jul 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

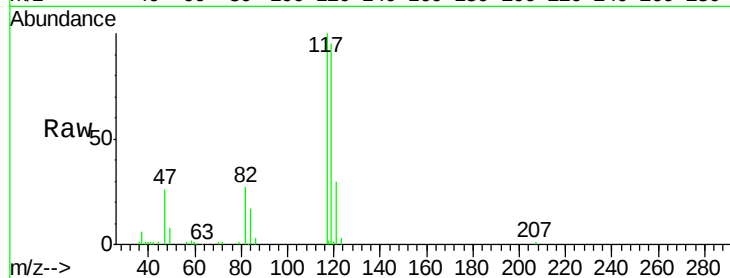
VSTD00588

Tgt Ion:117 Resp: 35705

Ion Ratio Lower Upper

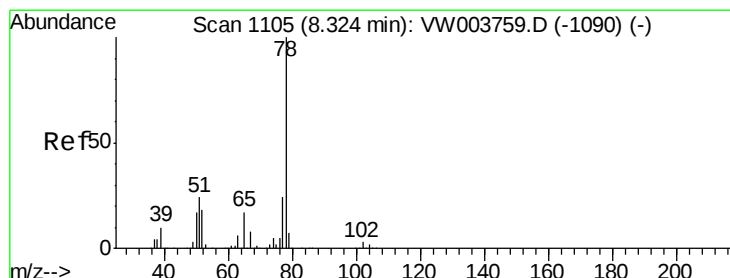
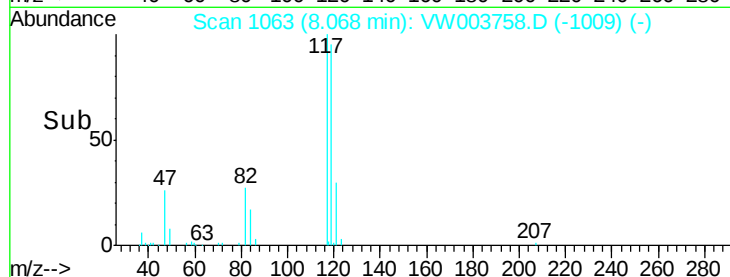
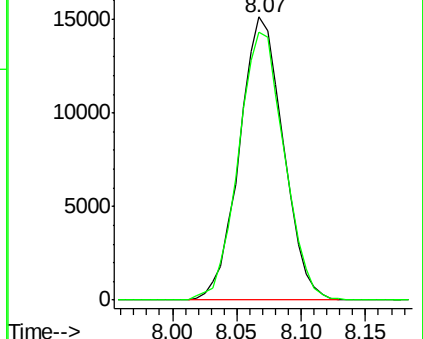
117 100

119 98.1 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: 4.846 ug/L

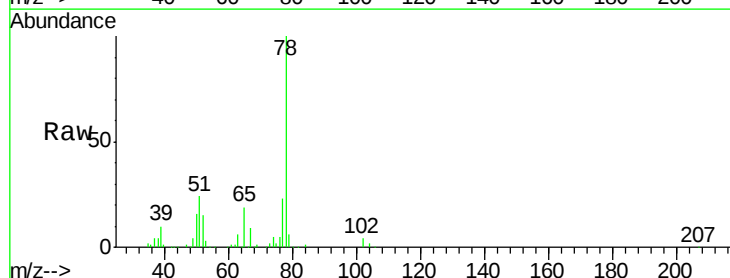
RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

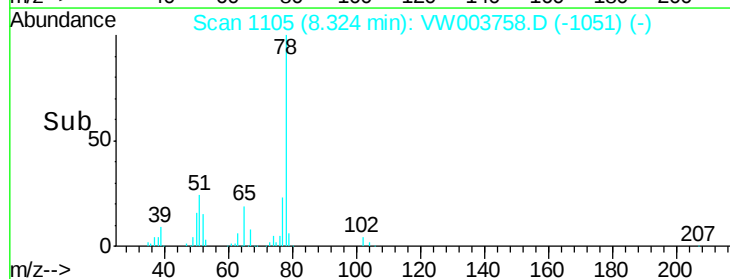
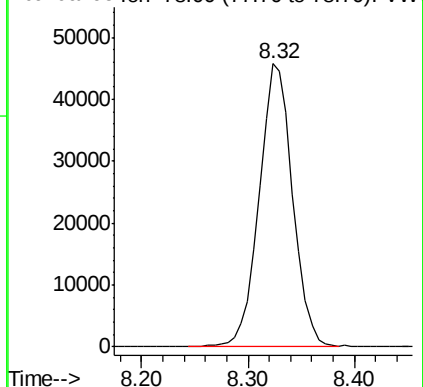
Lab File: VW003758.D

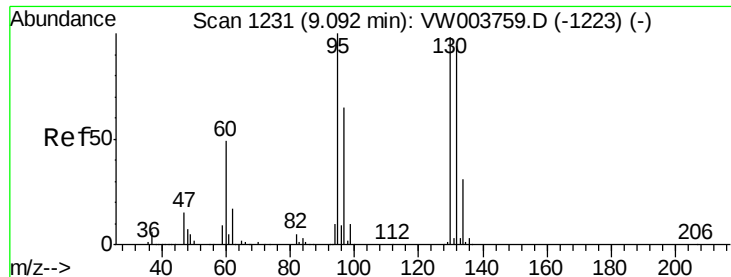
Acq: 07 Jul 2018 09:53

Tgt Ion: 78 Resp: 100620



Abundance Ion 78.00 (77.70 to 78.70): VW

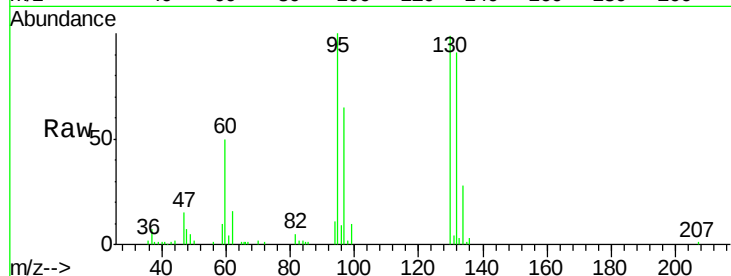




#35
 Trichloroethene
 Concen: 4.787 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW003758.D
 Acq: 07 Jul 2018 09:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00588

Tgt Ion:	95	Resp:	26443
Ion	Ratio	Lower	Upper
95	100		
97	64.4	44.7	82.9
132	97.8	66.2	123.0
130	100.9	69.5	129.1



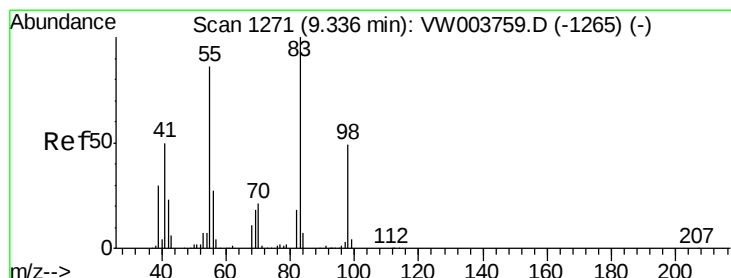
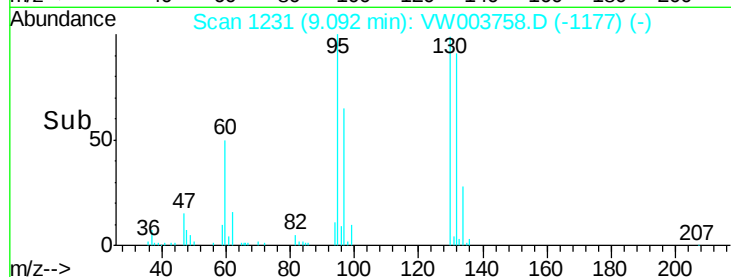
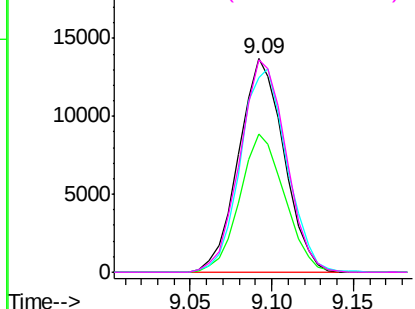
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

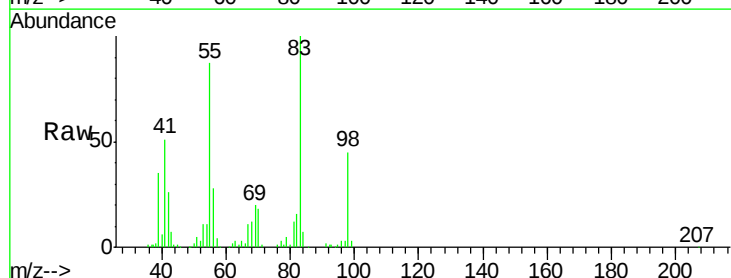
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 4.544 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VW003758.D
 Acq: 07 Jul 2018 09:53

Tgt Ion:	83	Resp:	42205
Ion	Ratio	Lower	Upper
83	100		
55	85.2	65.0	97.4
98	46.0	37.0	55.6

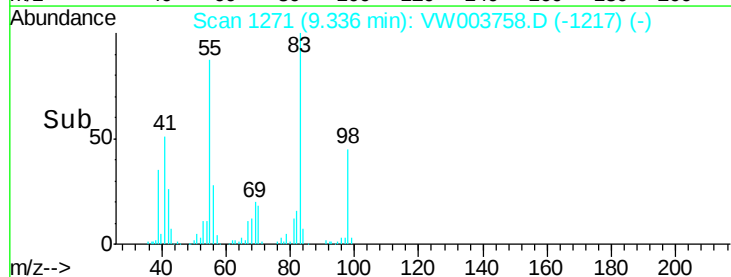
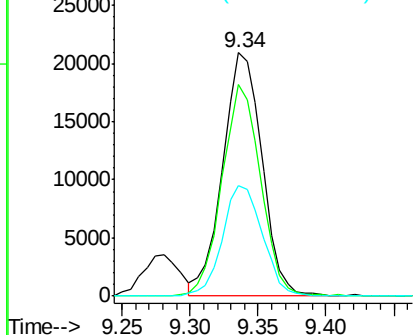


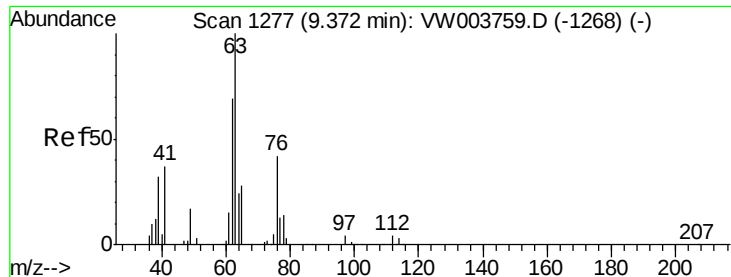
Abundance

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

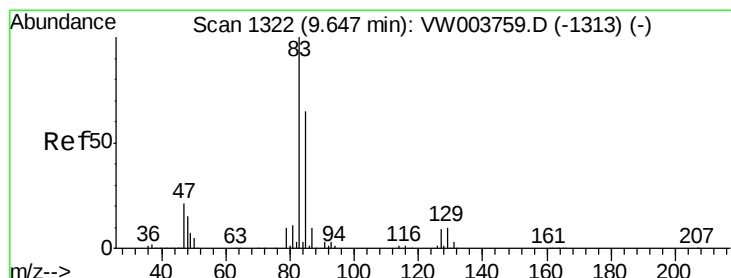
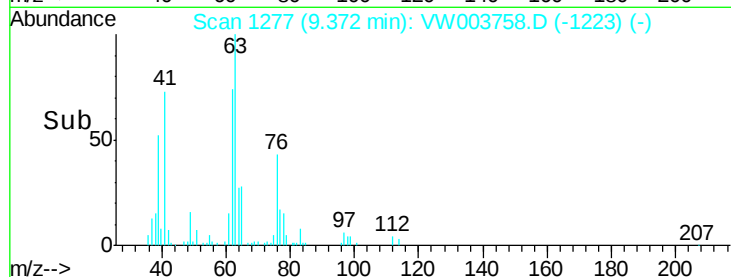
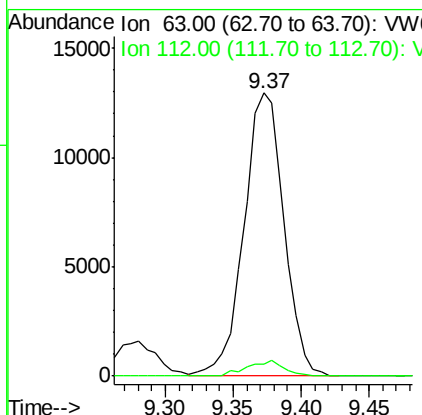
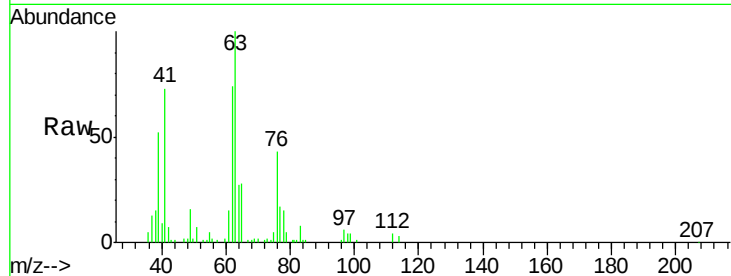




#40
 1,2-Dichloropropane
 Concen: 4.852 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003758.D
 Acq: 07 Jul 2018 09:53

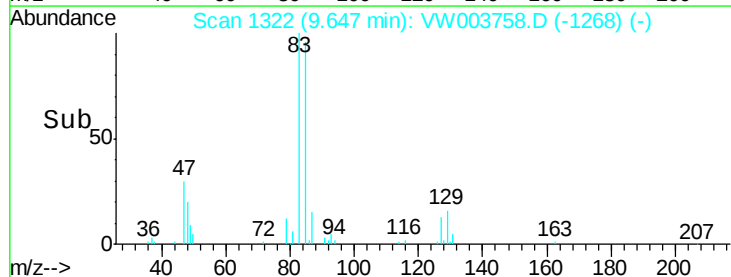
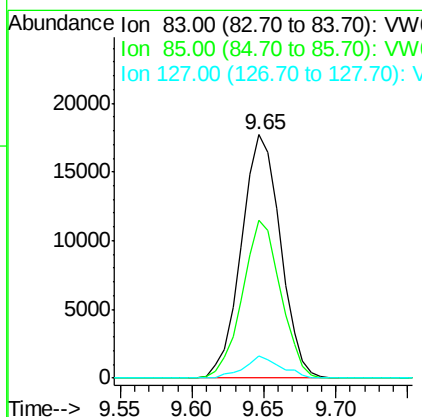
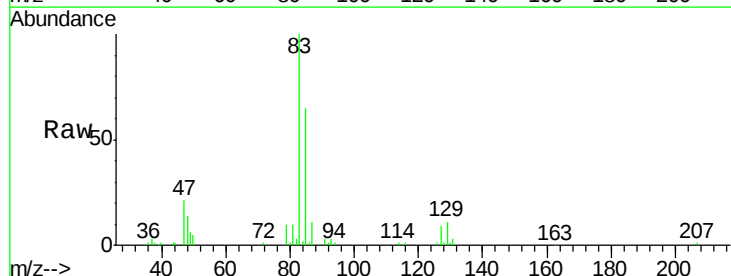
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00588

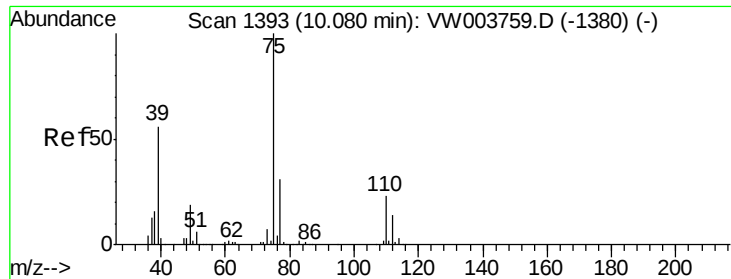
Tgt Ion: 63 Resp: 26682
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.3 4.9#



#41
 Bromodichloromethane
 Concen: 4.652 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW003758.D
 Acq: 07 Jul 2018 09:53

Tgt Ion: 83 Resp: 33269
 Ion Ratio Lower Upper
 83 100
 85 65.1 45.1 83.9
 127 8.9 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 4.481 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW003758.D

Acq: 07 Jul 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

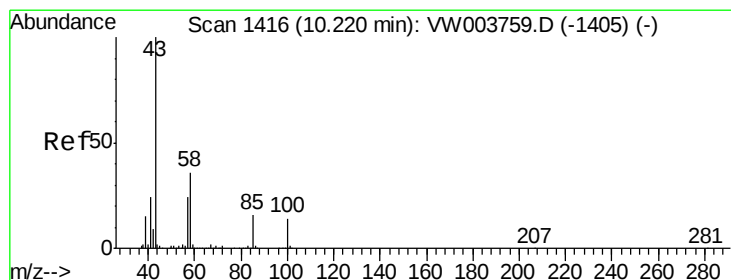
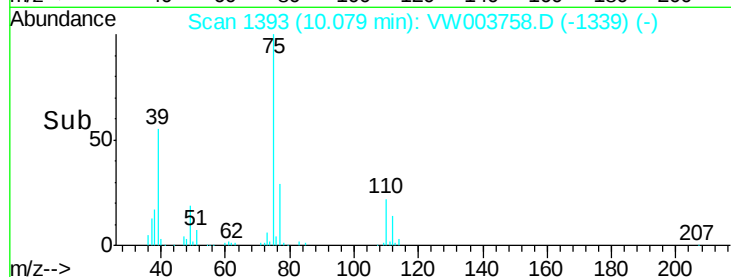
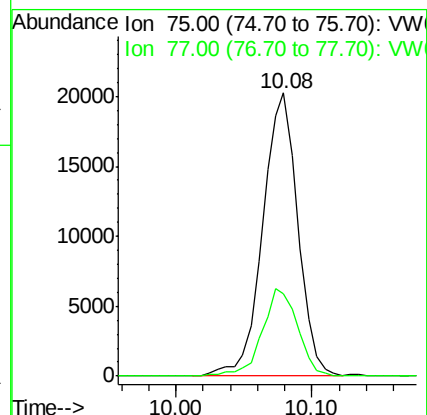
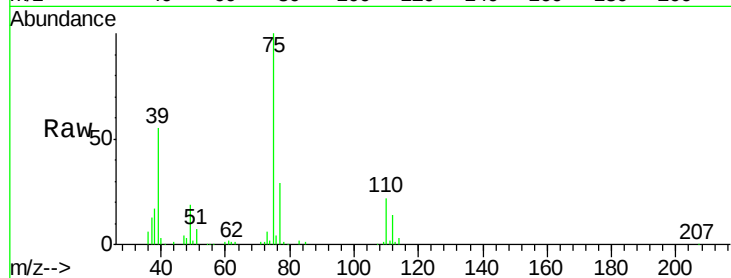
VSTD00588

Tgt Ion: 75 Resp: 36714

Ion Ratio Lower Upper

75 100

77 28.9 21.6 40.0



#43

4-Methyl-2-pentanone

Concen: 8.721 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VW003758.D

Acq: 07 Jul 2018 09:53

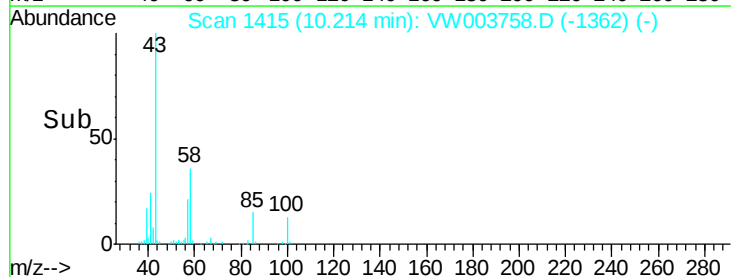
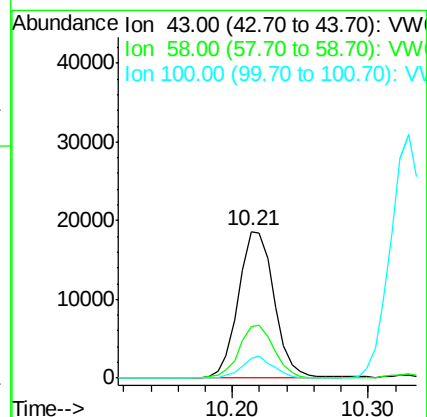
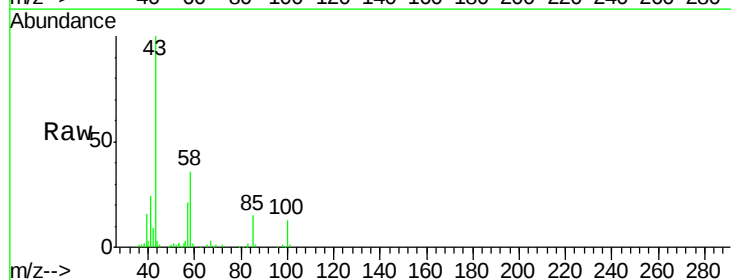
Tgt Ion: 43 Resp: 34487

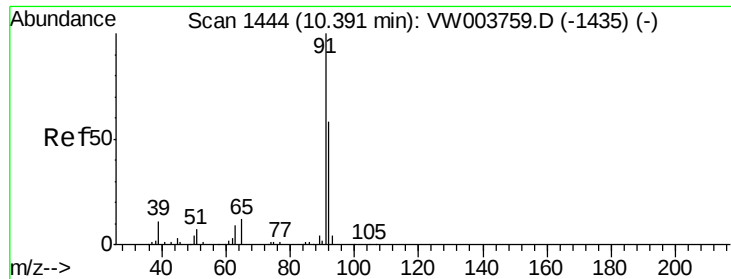
Ion Ratio Lower Upper

43 100

58 35.5 29.0 43.4

100 12.8 10.7 16.1





#44

Toluene

Concen: 4.743 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003758.D

Acq: 07 Jul 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

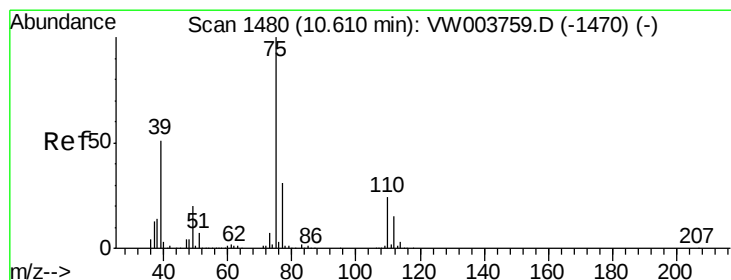
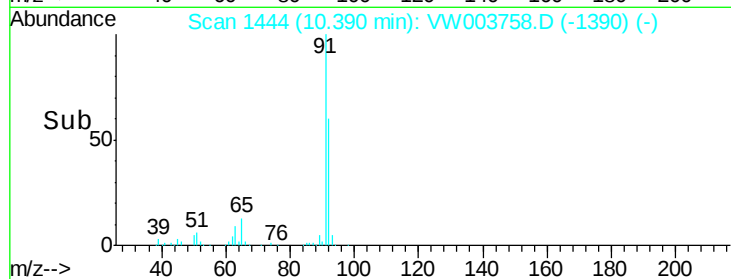
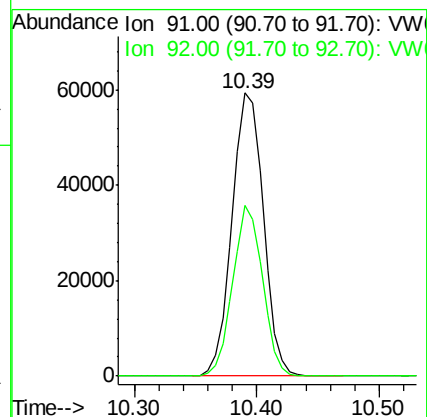
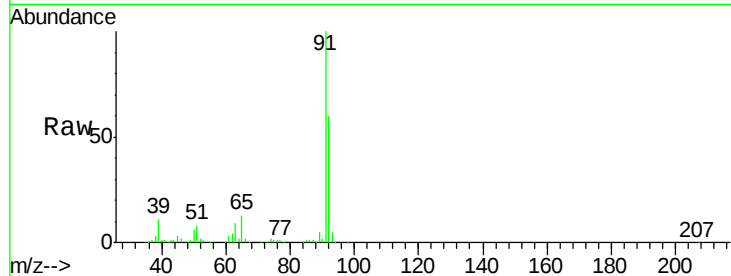
VSTD00588

Tgt Ion: 91 Resp: 105270

Ion Ratio Lower Upper

91 100

92 60.3 40.5 75.3



#45

trans-1,3-Dichloropropene

Concen: 4.428 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003758.D

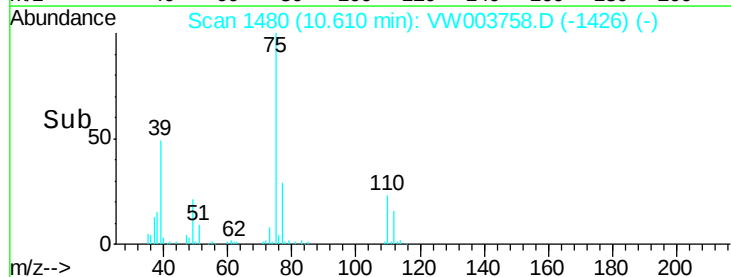
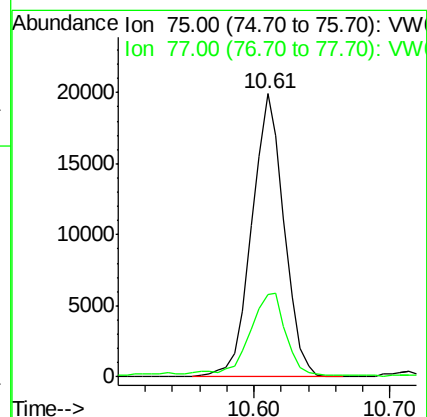
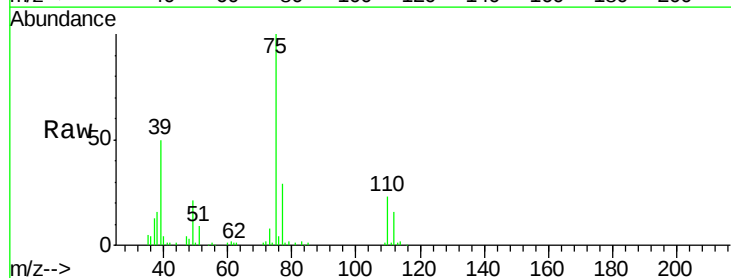
Acq: 07 Jul 2018 09:53

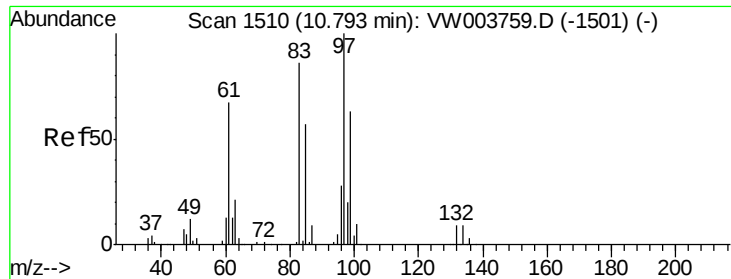
Tgt Ion: 75 Resp: 33160

Ion Ratio Lower Upper

75 100

77 29.1 21.8 40.4

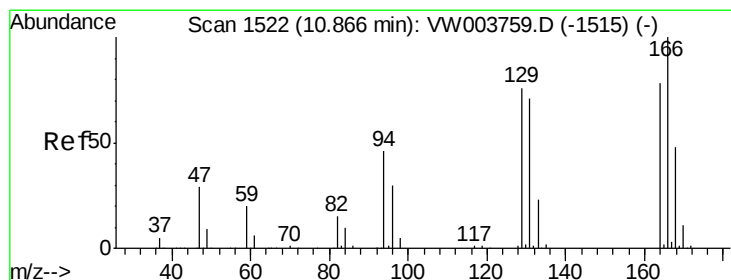
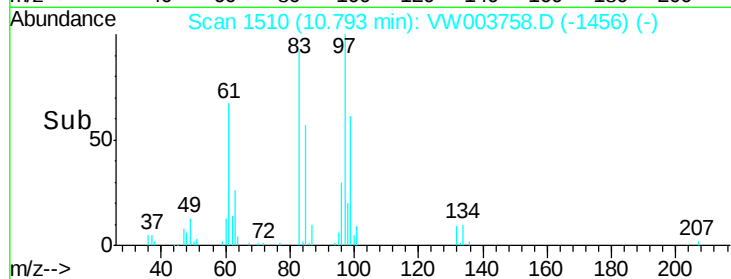
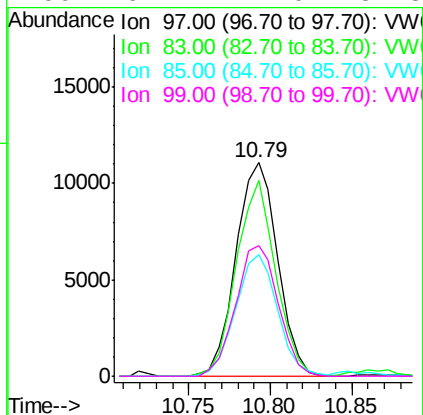
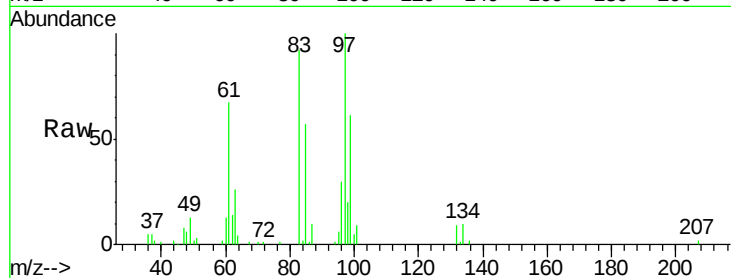




#46
 1,1,2-Trichloroethane
 Concen: 4.706 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW003758.D
 Acq: 07 Jul 2018 09:53

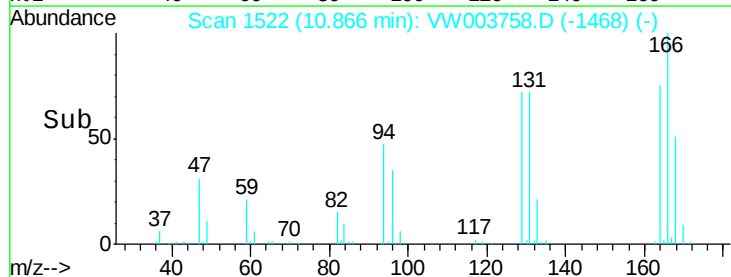
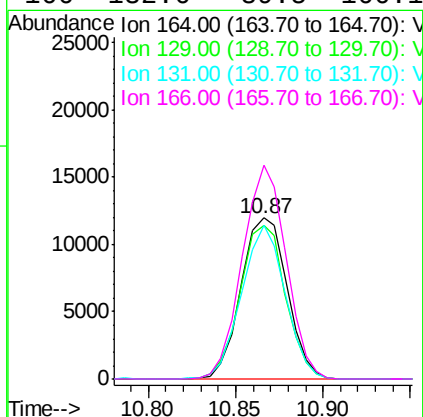
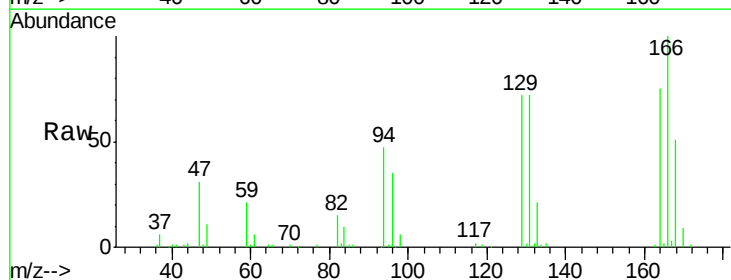
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00588

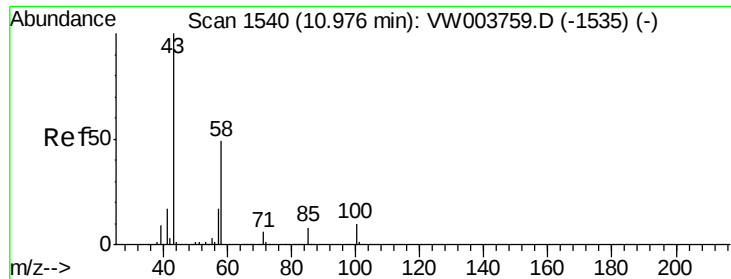
Tgt Ion:	97	Resp:	19679
Ion	Ratio	Lower	Upper
97	100		
83	91.9	60.1	111.5
85	57.1	40.0	74.2
99	61.4	44.0	81.8



#47
 Tetrachloroethene
 Concen: 4.801 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW003758.D
 Acq: 07 Jul 2018 09:53

Tgt Ion:	164	Resp:	21983
Ion	Ratio	Lower	Upper
164	100		
129	95.6	68.3	126.8
131	95.6	63.8	118.4
166	132.6	89.5	166.1

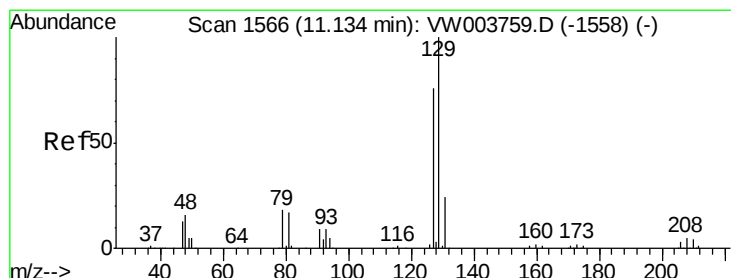
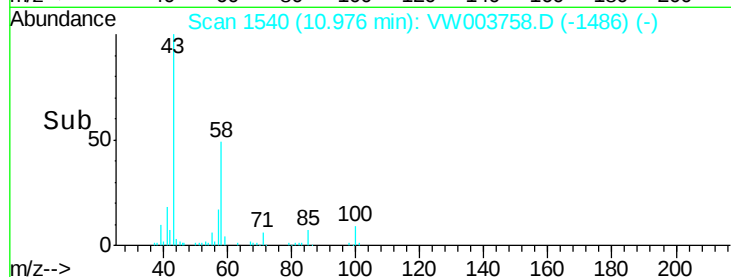
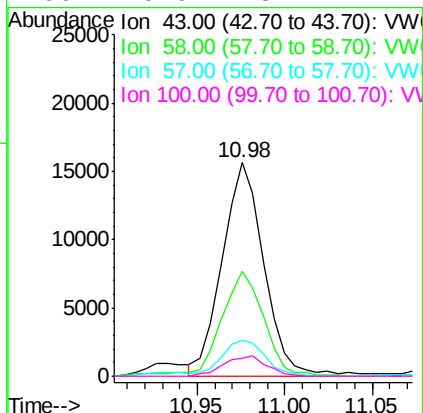
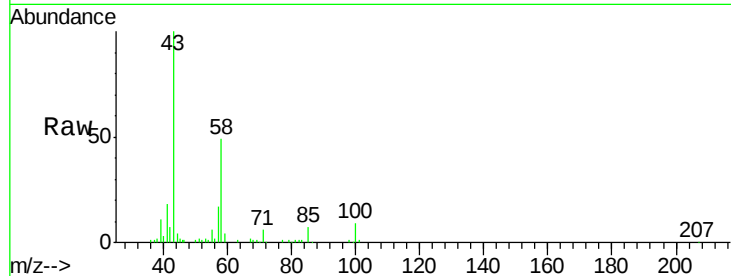




#49
2-Hexanone
Concen: 8.527 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003758.D
Acq: 07 Jul 2018 09:53

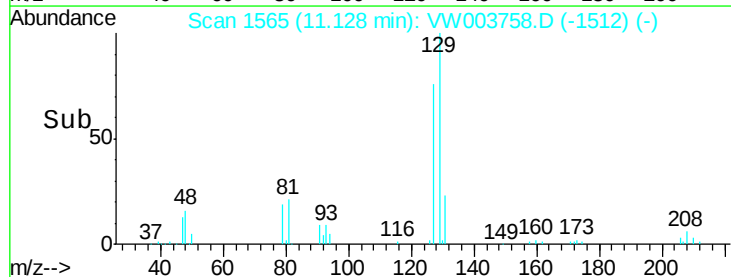
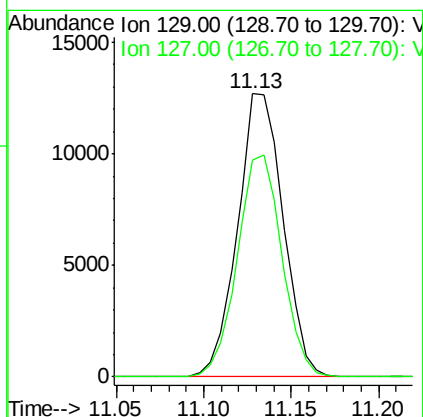
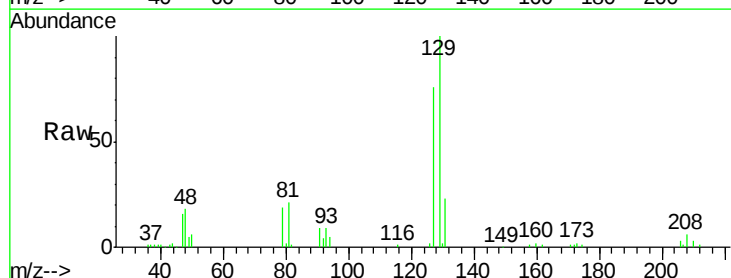
Instrument :
MSVOA_W
ClientSampleId :
VSTD00588

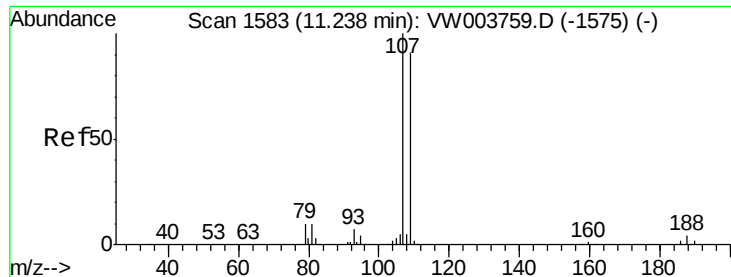
Tgt Ion:	43	Resp:	25956
Ion	Ratio	Lower	Upper
43	100		
58	50.1	39.5	59.3
57	17.6	13.8	20.8
100	9.9	8.2	12.2



#50
Dibromochloromethane
Concen: 4.592 ug/L
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW003758.D
Acq: 07 Jul 2018 09:53

Tgt Ion:	129	Resp:	22989
Ion	Ratio	Lower	Upper
129	100		
127	76.4	53.1	98.7

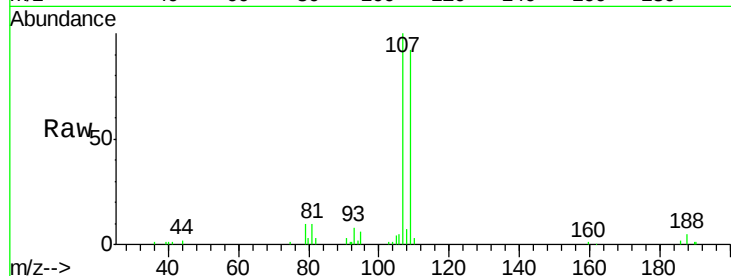




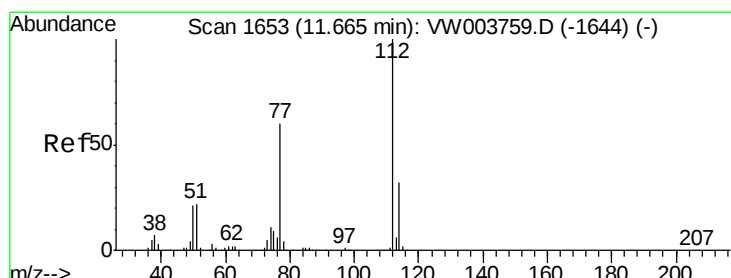
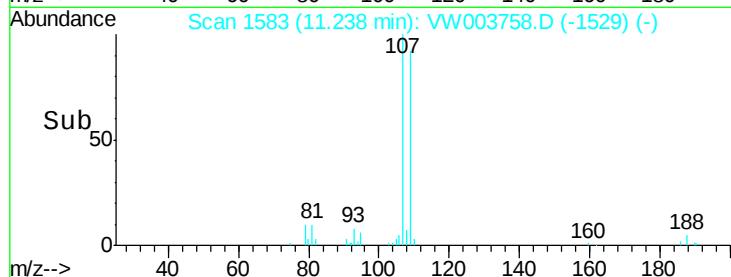
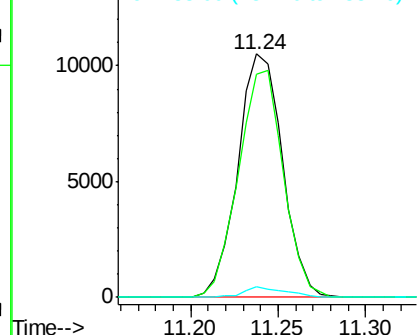
#51
 1,2-Dibromoethane
 Concen: 4.643 ug/L
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW003758.D
 Acq: 07 Jul 2018 09:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00588

Tgt Ion:107 Resp: 18722
 Ion Ratio Lower Upper
 107 100
 109 91.8 63.7 118.3
 188 4.6 2.9 4.3#

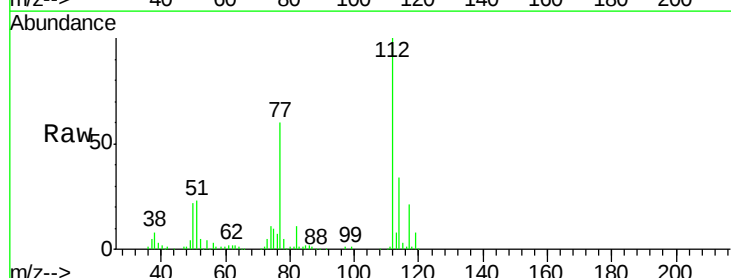


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

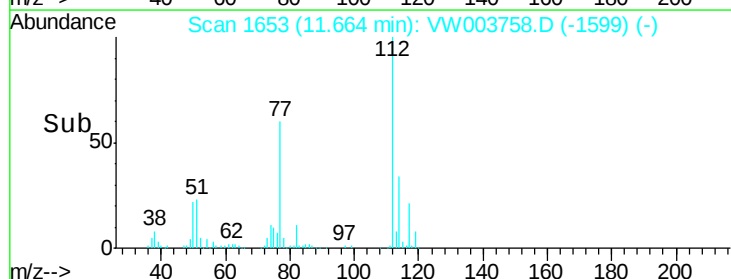
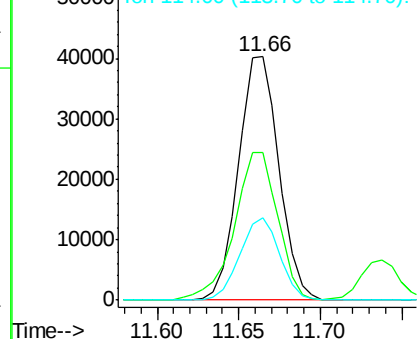


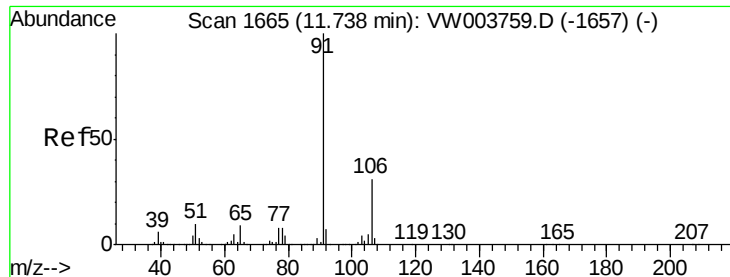
#52
 Chlorobenzene
 Concen: 4.779 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: VW003758.D
 Acq: 07 Jul 2018 09:53

Tgt Ion:112 Resp: 69772
 Ion Ratio Lower Upper
 112 100
 77 60.5 47.9 71.9
 114 33.9 22.7 42.1



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 77.00 (76.70 to 77.70): V
 Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 4.568 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW003758.D

Acq: 07 Jul 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

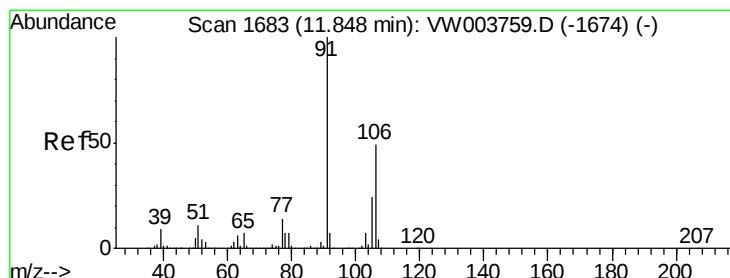
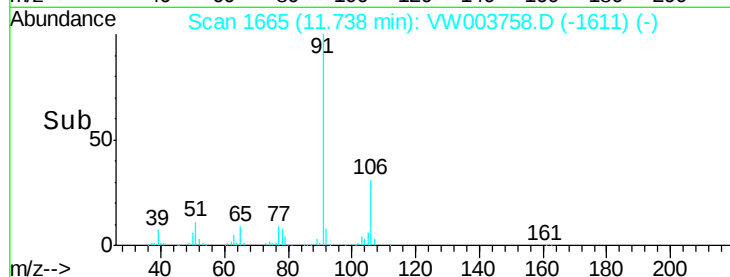
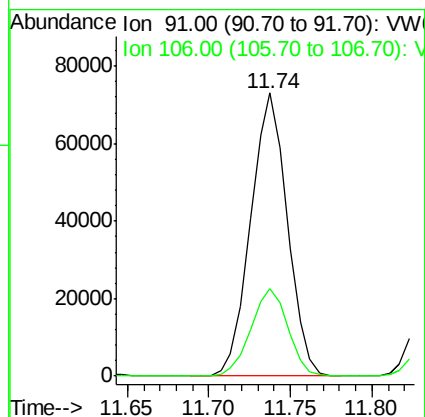
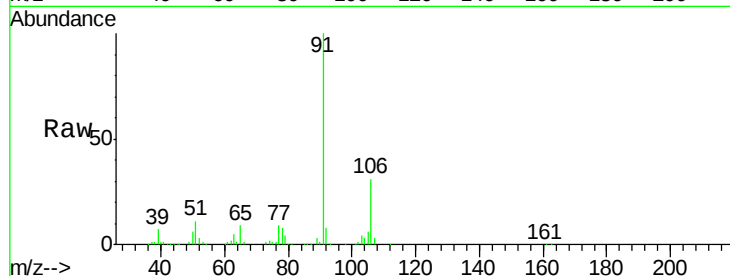
VSTD00588

Tgt Ion: 91 Resp: 114599

Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.6



#54

m,p-Xylene

Concen: 4.621 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW003758.D

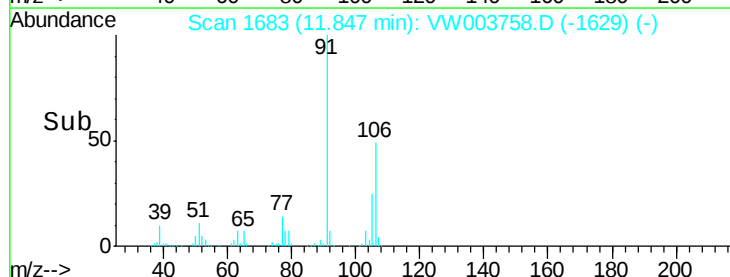
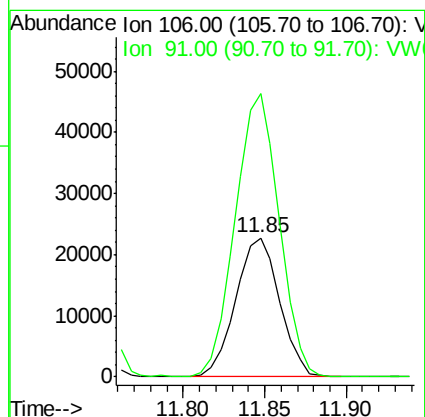
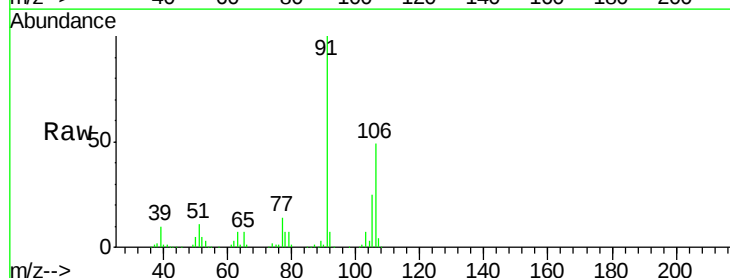
Acq: 07 Jul 2018 09:53

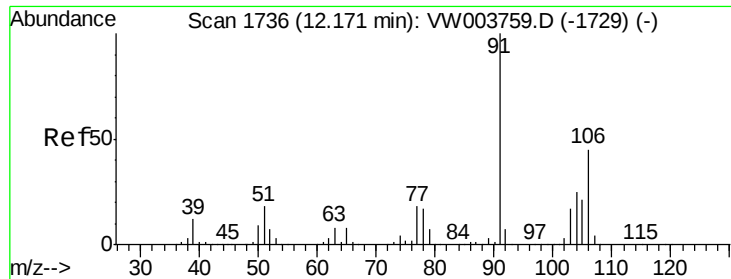
Tgt Ion: 106 Resp: 42687

Ion Ratio Lower Upper

106 100

91 204.0 142.9 265.3

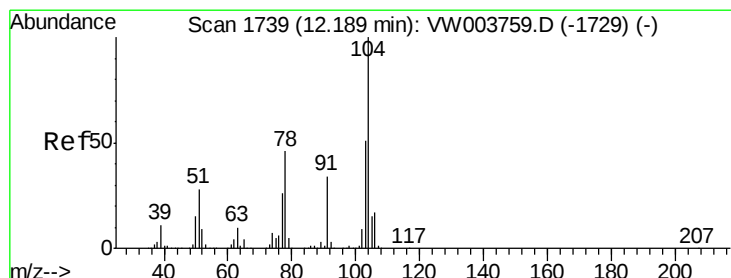
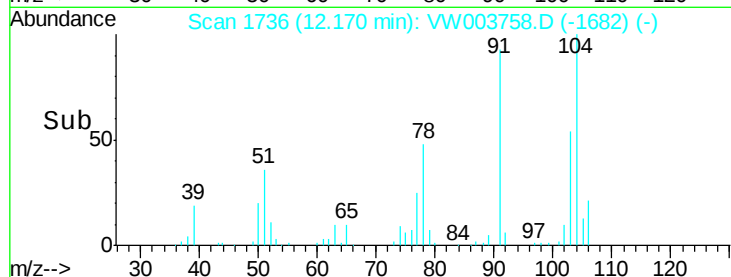
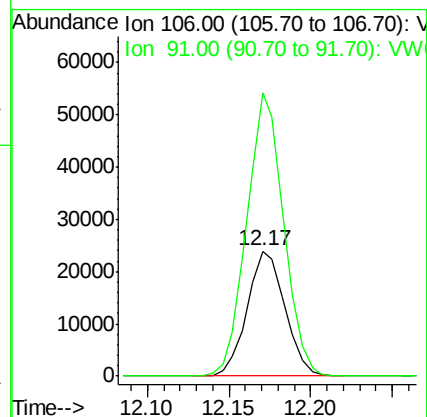
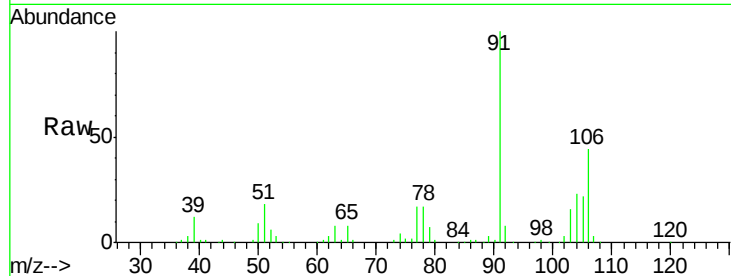




#55
o-xylene
Concen: 4.413 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003758.D
Acq: 07 Jul 2018 09:53

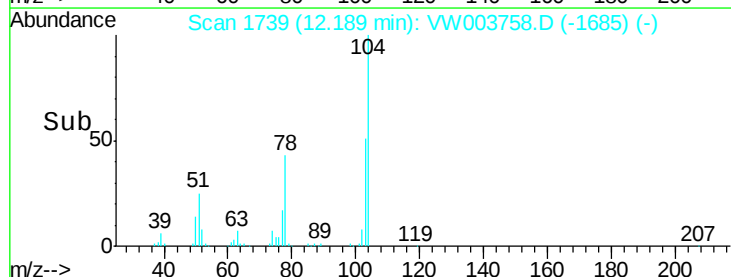
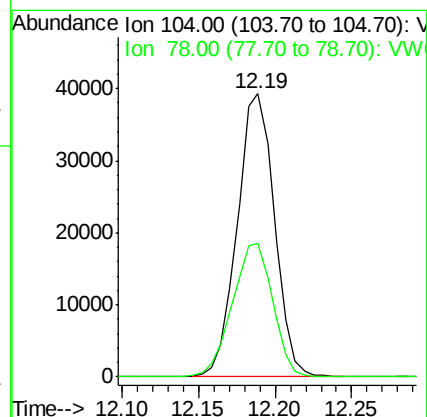
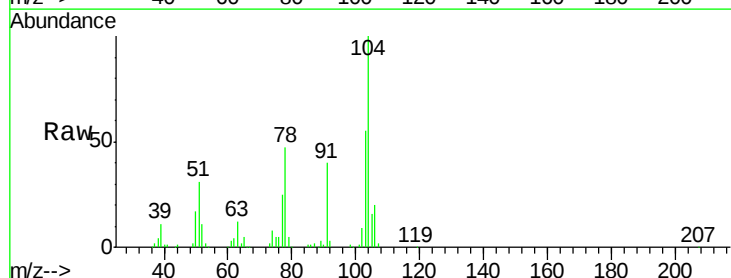
Instrument :
MSVOA_W
ClientSampleId :
VSTD00588

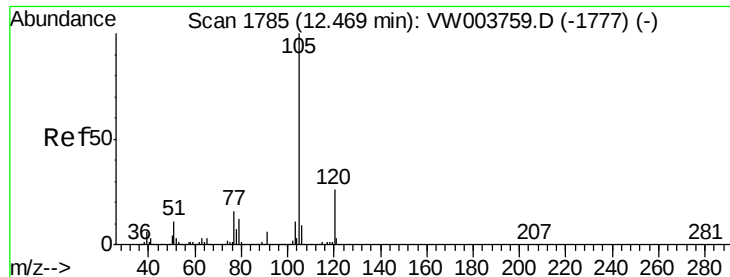
Tgt Ion:106 Resp: 38493
Ion Ratio Lower Upper
106 100
91 227.0 154.1 286.3



#56
Styrene
Concen: 4.351 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW003758.D
Acq: 07 Jul 2018 09:53

Tgt Ion:104 Resp: 66365
Ion Ratio Lower Upper
104 100
78 47.2 32.1 59.7





#57

Isopropylbenzene

Concen: 4.479 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003758.D

Acq: 07 Jul 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD00588

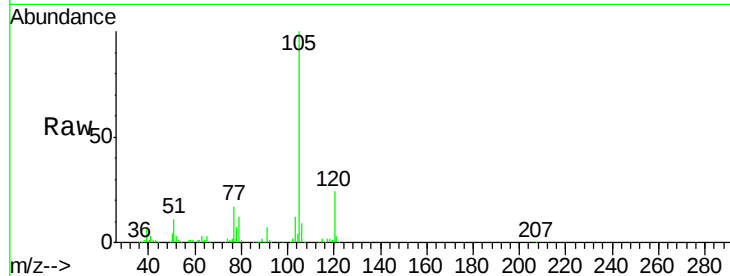
Tgt Ion: 105 Resp: 107174

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

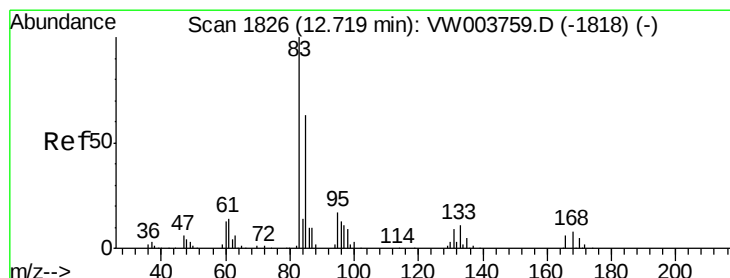
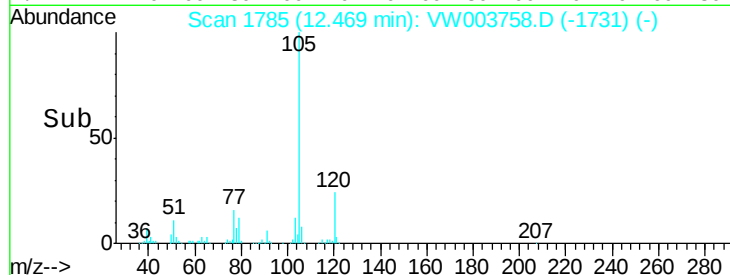
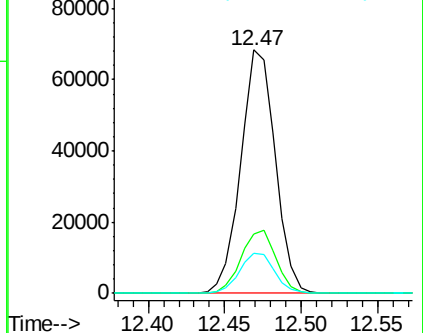
77 16.9 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.582 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003758.D

Acq: 07 Jul 2018 09:53

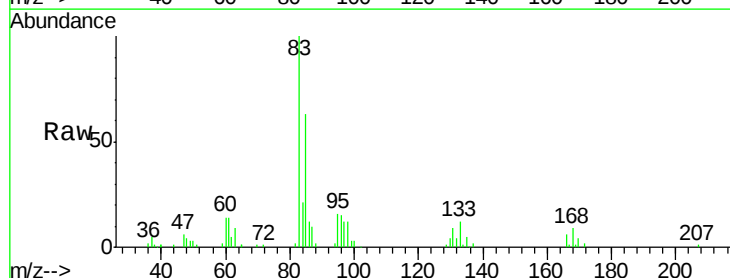
Tgt Ion: 83 Resp: 25458

Ion Ratio Lower Upper

83 100

85 62.7 44.2 82.0

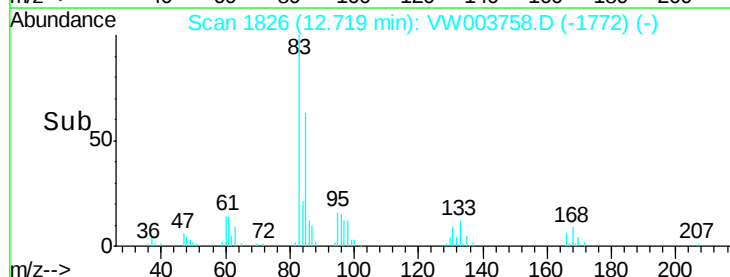
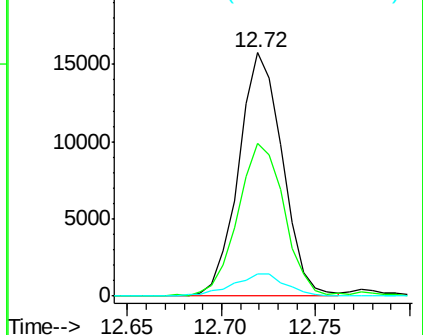
131 9.2 7.5 11.3

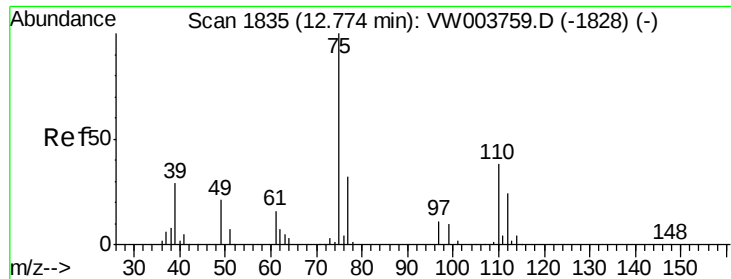


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

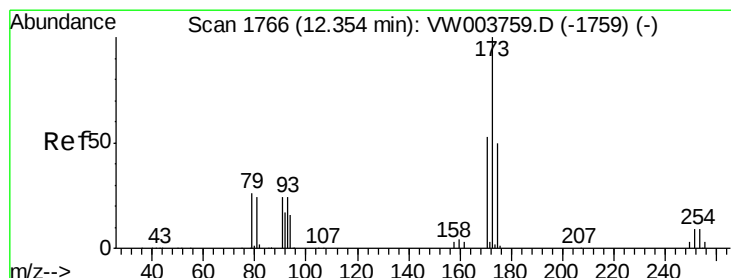
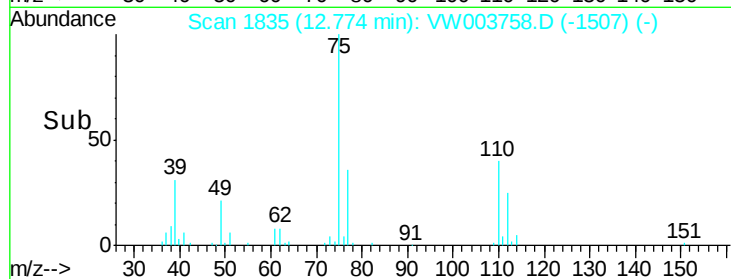
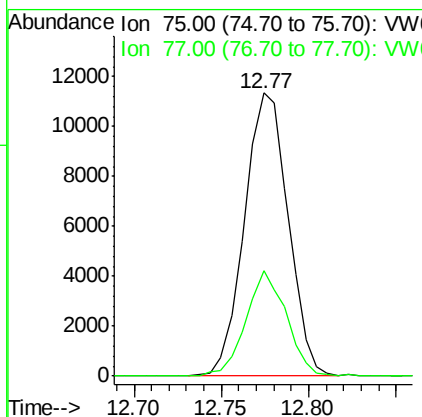
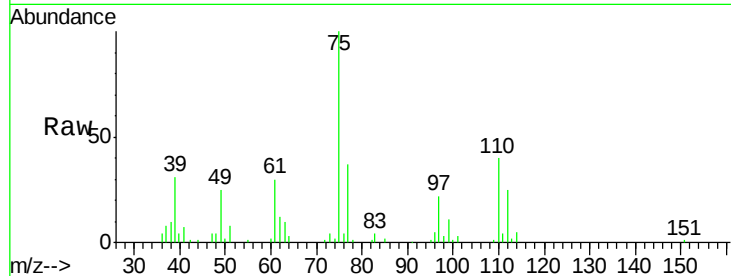




#59
 1,2,3-Trichloropropane
 Concen: 4.757 ug/L
 RT: 12.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VW003758.D
 Acq: 07 Jul 2018 09:53

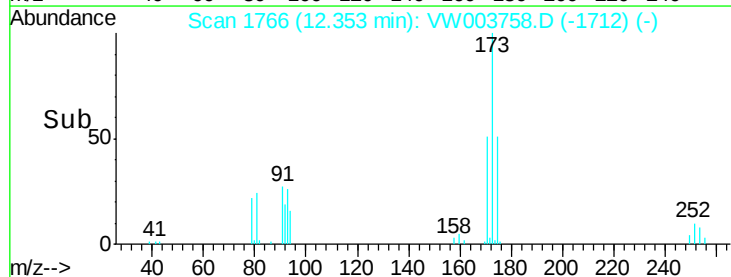
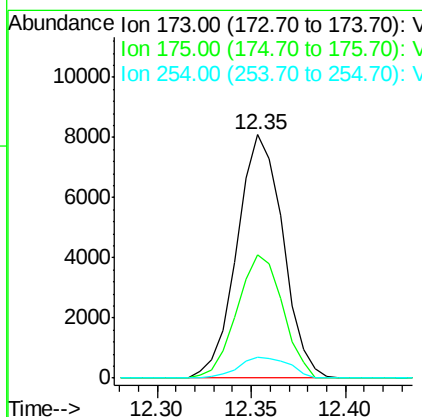
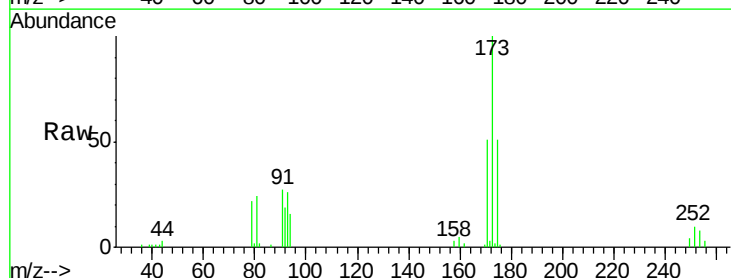
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00588

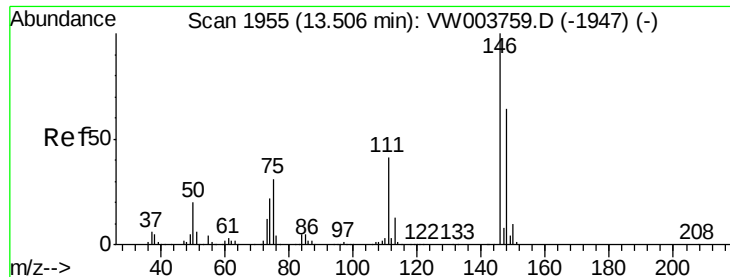
Tgt Ion: 75 Resp: 19713
 Ion Ratio Lower Upper
 75 100
 77 34.3 26.0 39.0



#62
 Bromoform
 Concen: 4.589 ug/L
 RT: 12.35 min Scan# 1766
 Delta R.T. -0.00 min
 Lab File: VW003758.D
 Acq: 07 Jul 2018 09:53

Tgt Ion: 173 Resp: 13720
 Ion Ratio Lower Upper
 173 100
 175 50.4 38.7 58.1
 254 9.4 7.7 11.5

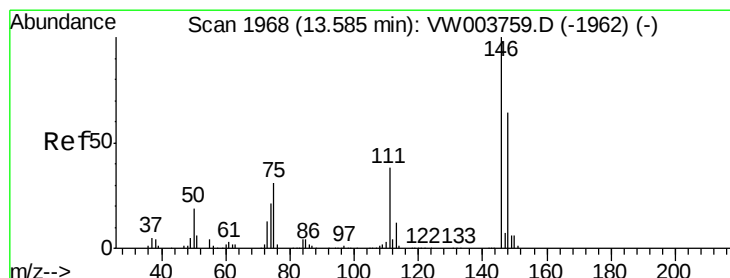
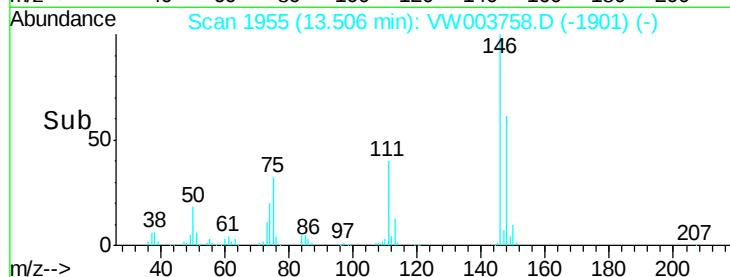
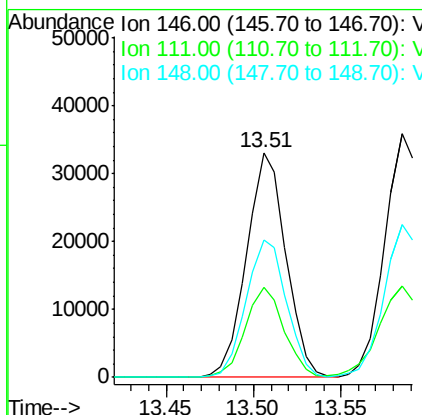
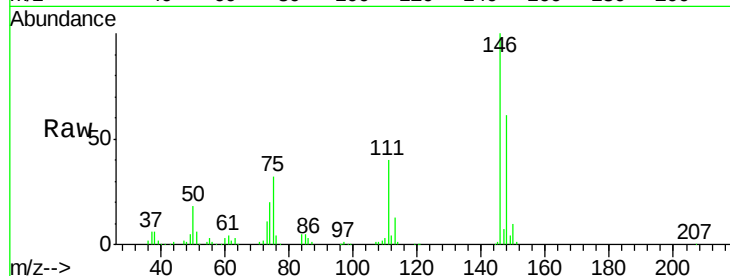




#63
 1,3-Dichlorobenzene
 Concen: 4.908 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003758.D
 Acq: 07 Jul 2018 09:53

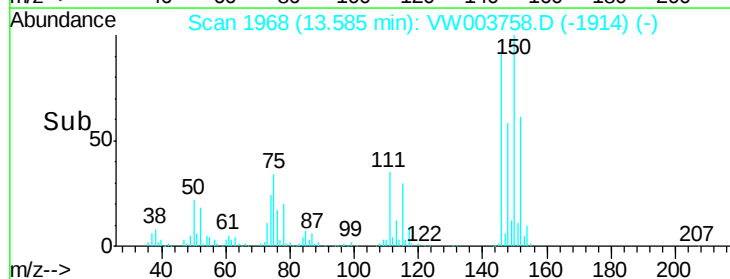
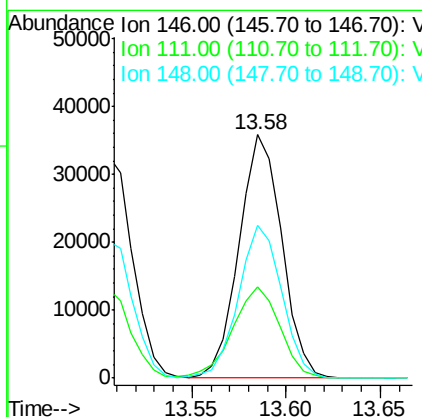
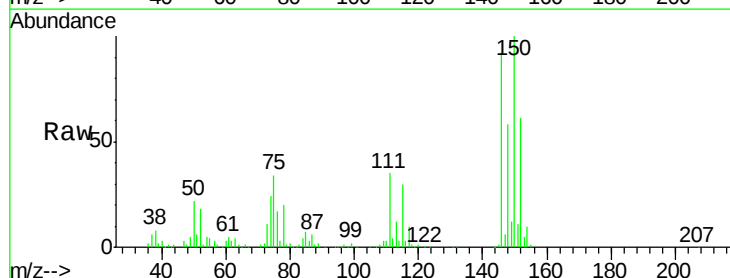
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00588

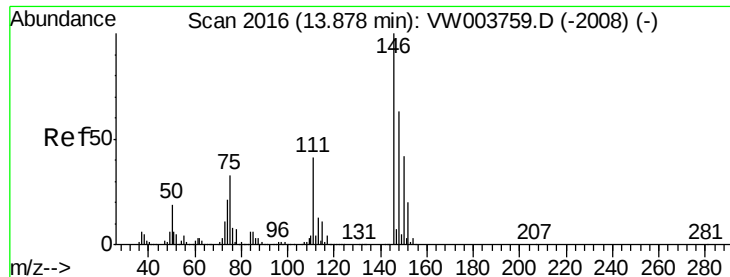
Tgt Ion:146 Resp: 51807
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.3 52.7
 148 61.3 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 4.936 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003758.D
 Acq: 07 Jul 2018 09:53

Tgt Ion:146 Resp: 56411
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.9 50.1
 148 62.8 44.6 82.8





#65

1,2-Dichlorobenzene

Concen: 4.846 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW003758.D

Acq: 07 Jul 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD00588

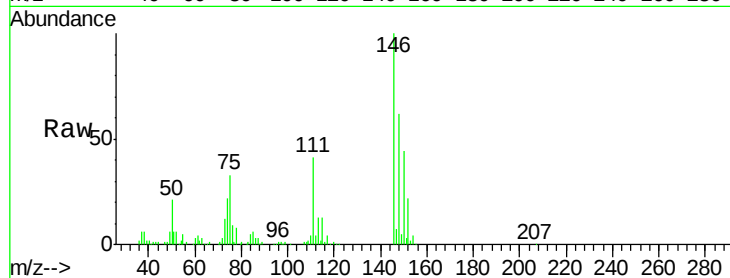
Tgt Ion:146 Resp: 49988

Ion Ratio Lower Upper

146 100

111 40.5 32.6 48.8

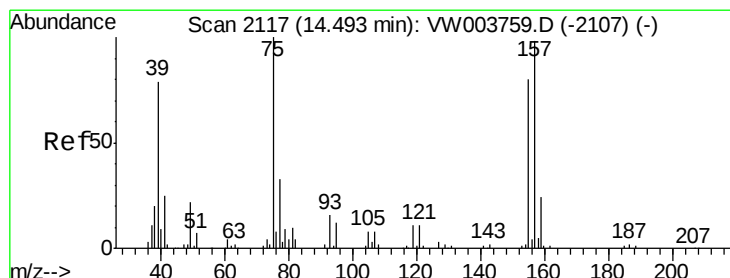
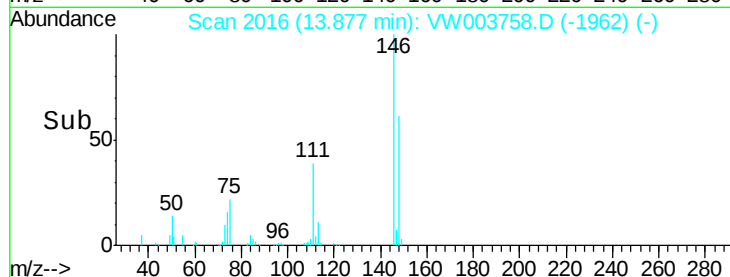
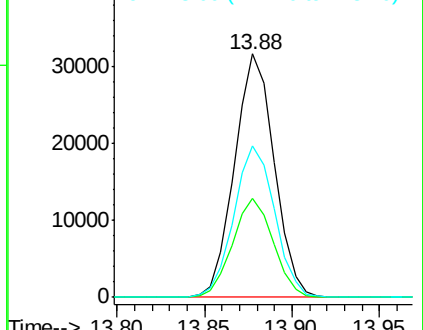
148 62.0 50.3 75.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.918 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW003758.D

Acq: 07 Jul 2018 09:53

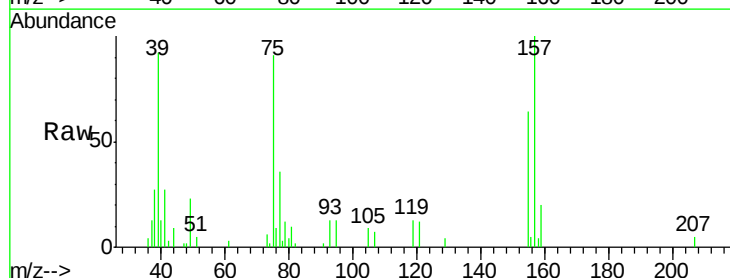
Tgt Ion: 75 Resp: 4588

Ion Ratio Lower Upper

75 100

157 109.8 78.6 118.0

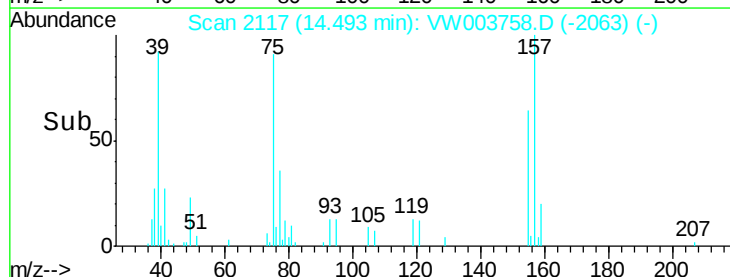
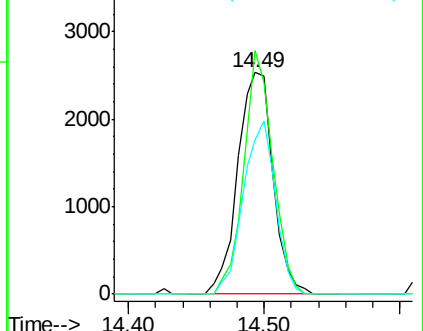
155 69.8 63.7 95.5

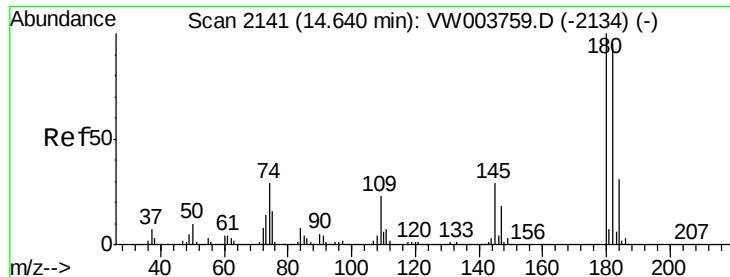


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

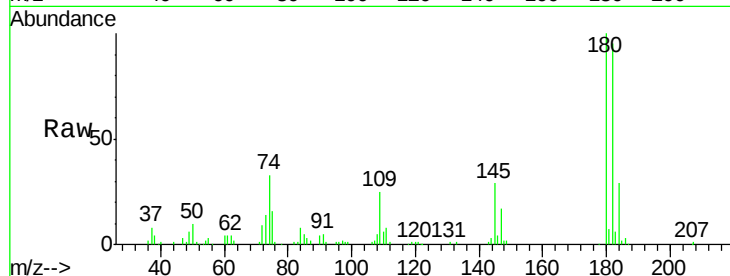




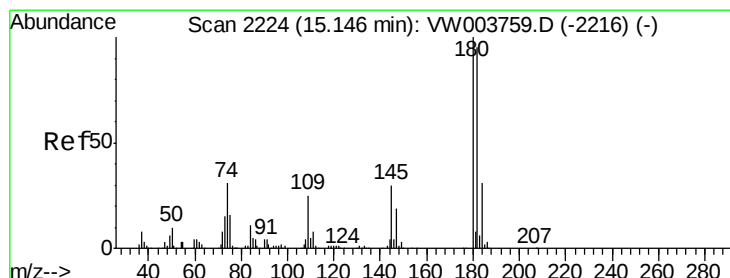
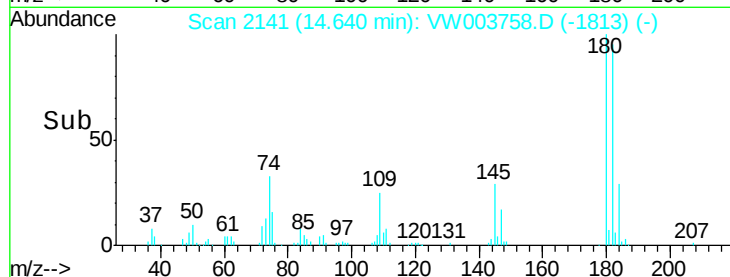
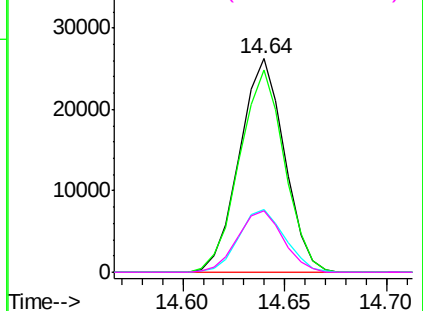
#67
 1,3,5-Trichlorobenzene
 Concen: 4.836 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW003758.D
 Acq: 07 Jul 2018 09:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00588

Tgt Ion:180 Resp: 40229
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.7 113.5
 184 30.2 24.4 36.6
 145 29.3 23.5 35.3

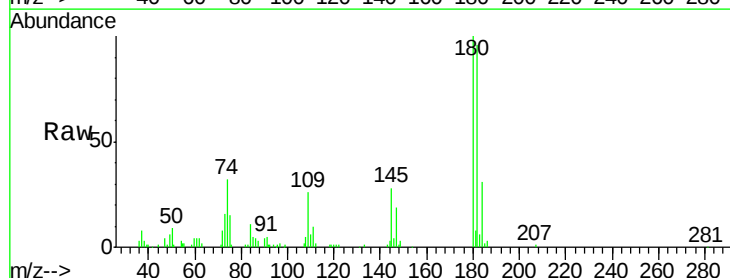


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

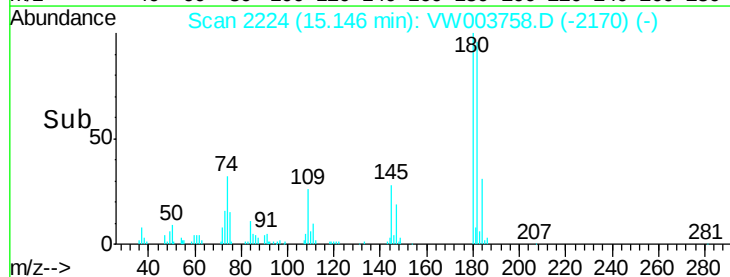
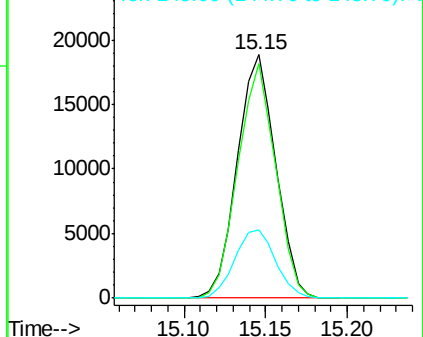


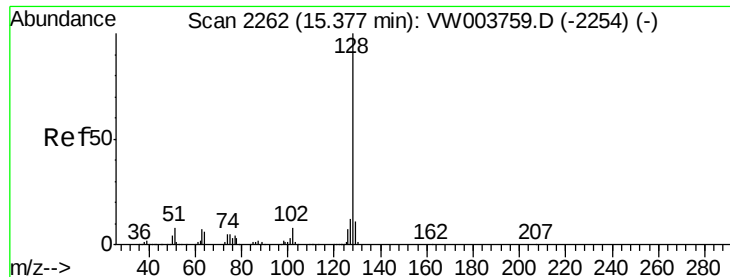
#68
 1,2,4-trichlorobenzene
 Concen: 4.651 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW003758.D
 Acq: 07 Jul 2018 09:53

Tgt Ion:180 Resp: 31069
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.4 114.6
 145 29.7 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: 4.254 ug/L

RT: 15.38 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VW003758.D

Acq: 07 Jul 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD00588

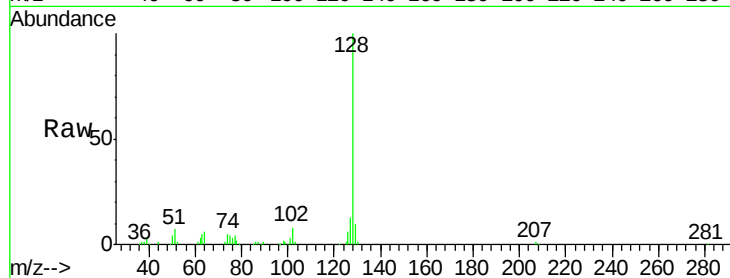
Tgt Ion:128 Resp: 56888

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

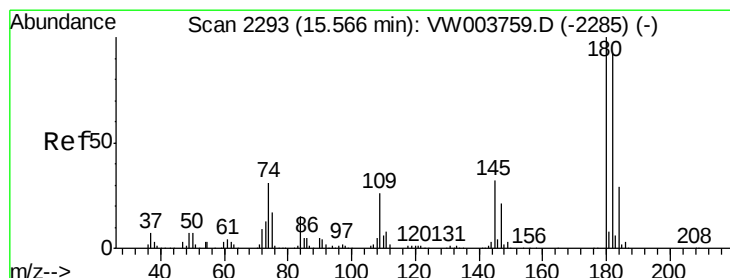
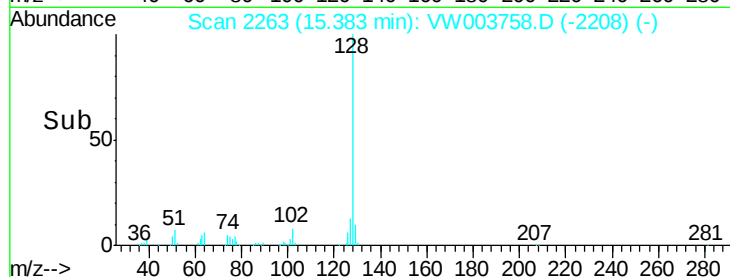
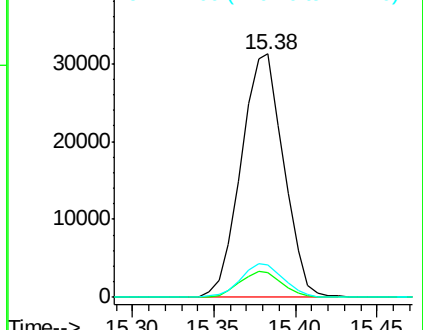
127 13.7 10.6 16.0



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: 4.657 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW003758.D

Acq: 07 Jul 2018 09:53

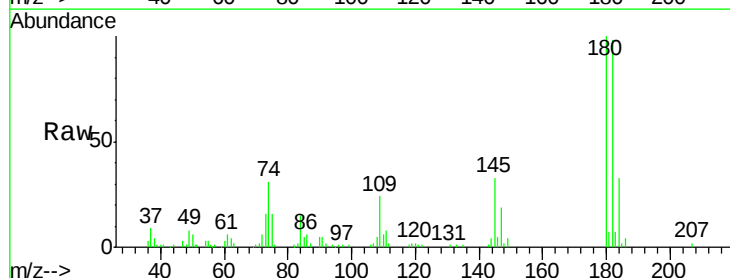
Tgt Ion:180 Resp: 29393

Ion Ratio Lower Upper

180 100

182 95.5 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

