

Data File : VW001882.D

Acq On : 05 Apr 2018 17:51

Operator : JC/SY

Sample : VSTD2.586

Misc : 5.00G/10ML/MSVOA_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.586

Quant Time: Apr 06 01:49:41 2018

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040518S.M

Quant Title : VOC Analysis

QLast Update : Thu Apr 05 18:25:18 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	406637	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.65	117	391423	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	180598	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	17780	2.92	ug/L	0.00
7) Chloroethane-d5	2.89	69	13469	2.95	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	34626	2.68	ug/L	0.00
20) 2-Butanone-d5	7.09	46	7492	4.54	ug/L	0.00
24) Chloroform-d	7.65	84	28215	2.59	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	16874	2.42	ug/L	0.00
29) Benzene-d6	8.28	84	54687	2.47	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	18864	2.62	ug/L	0.00
37) Toluene-d8	10.34	98	44569	2.21	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	6930	2.27	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	4589	2.98	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.71	84	14685	2.19	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	16347	2.42	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	24552	2.64	ug/L	100
3) Chloromethane	2.22	50	22927	2.73	ug/L	97
5) Vinyl chloride	2.36	62	20832	2.66	ug/L	94
6) Bromomethane	2.78	94	11070	3.09	ug/L	93
8) Chloroethane	2.93	64	12495	2.94	ug/L	94
9) Trichlorofluoromethane	3.27	101	29400	2.70	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	7729	1.18	ug/L #	1
12) 1,1-Dichloroethene	4.04	96	14810	2.52	ug/L	92
13) Acetone	4.13	43	9990	5.21	ug/L	74
14) Carbon disulfide	4.38	76	50169	2.42	ug/L	97
16) Methylene chloride	4.92	84	29629	3.52	ug/L	93
17) Methyl tert-butyl Ether	5.43	73	27475	2.08	ug/L	96
18) trans-1,2-Dichloroethene	5.43	96	16129	2.56	ug/L	98
19) 1,1-Dichloroethane	6.22	63	32432	2.67	ug/L	98
21) 2-Butanone	7.18	43	9756	3.68	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	15869	2.45	ug/L	97
23) Bromochloromethane	7.52	128	6778	2.35	ug/L	88
25) Chloroform	7.68	83	35030	2.67	ug/L	100
27) 1,2-Dichloroethane	8.41	62	21814	2.51	ug/L	99
30) Cyclohexane	7.96	56	20815	2.02	ug/L #	93
31) 1,1,1-Trichloroethane	7.88	97	27860	2.65	ug/L	99
32) Carbon tetrachloride	8.07	117	25869	2.68	ug/L	96
34) Benzene	8.33	78	62583	2.47	ug/L	100
35) Trichloroethene	9.10	95	18044	2.67	ug/L	98
36) Methylcyclohexane	9.34	83	22767	2.13	ug/L	93
40) 1,2-Dichloropropane	9.38	63	17403	2.55	ug/L	99
41) Bromodichloromethane	9.65	83	22340	2.63	ug/L	96
42) cis-1,3-Dichloropropene	10.09	75	21499	2.25	ug/L	98
43) 4-Methyl-2-pentanone	10.22	43	17716	3.38	ug/L	98
44) Toluene	10.40	91	59245	2.24	ug/L	98

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Quant Title : VOC Analysis
QLast Update : Thu Apr 05 18:25:18 2018
Response via : Initial Calibration

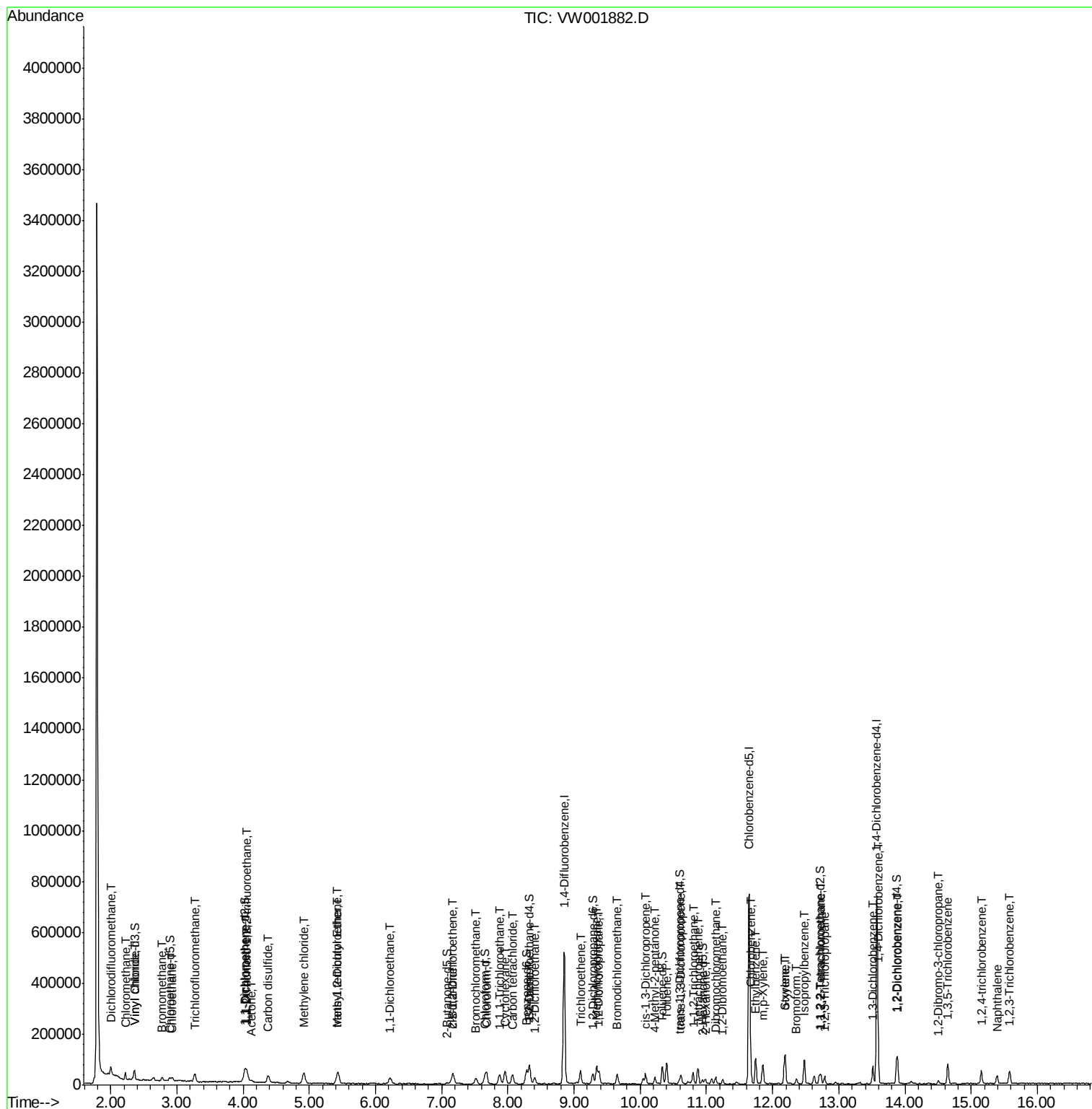
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.62	75	18306	2.16	ug/L	89
46) 1,1,2-Trichloroethane	10.80	97	12549	2.45	ug/L	95
47) Tetrachloroethene	10.87	164	13193	2.47	ug/L	95
49) 2-Hexanone	10.98	43	11930	3.14	ug/L	96
50) Dibromochloromethane	11.14	129	13897	2.37	ug/L	100
51) 1,2-Dibromoethane	11.25	107	10339	2.19	ug/L #	91
52) Chlorobenzene	11.67	112	43648	2.55	ug/L	95
53) Ethylbenzene	11.74	91	63703	2.19	ug/L	98
54) m,p-Xylene	11.85	106	23122	2.15	ug/L	94
55) o-xylene	12.18	106	19985	2.03	ug/L	85
56) Styrene	12.19	104	33378	1.98	ug/L	95
57) Isopropylbenzene	12.48	105	52396	1.96	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.73	83	14926	2.19	ug/L	99
59) 1,2,3-Trichloropropane	12.79	75	11734	2.18	ug/L	99
62) Bromoform	12.36	173	8175	2.41	ug/L	99
63) 1,3-Dichlorobenzene	13.52	146	29468	2.54	ug/L	95
64) 1,4-Dichlorobenzene	13.60	146	32907	2.61	ug/L	97
65) 1,2-Dichlorobenzene	13.89	146	29025	2.52	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.51	75	2912	2.39	ug/L #	88
67) 1,3,5-Trichlorobenzene	14.65	180	22176	2.45	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	16790	2.34	ug/L	97
69) Naphthalene	15.39	128	25155	1.73	ug/L	97
70) 1,2,3-Trichlorobenzene	15.58	180	15357	2.24	ug/L	99

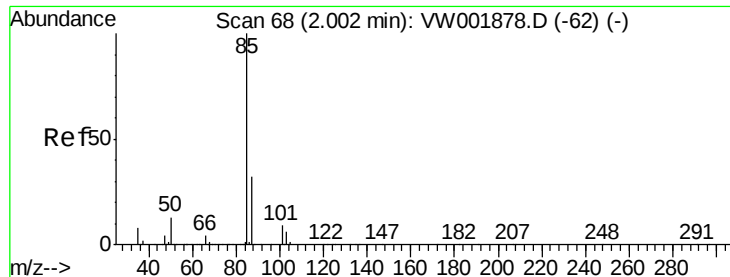
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.64 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

Instrument :

MSVOA_W

ClientSampleId :

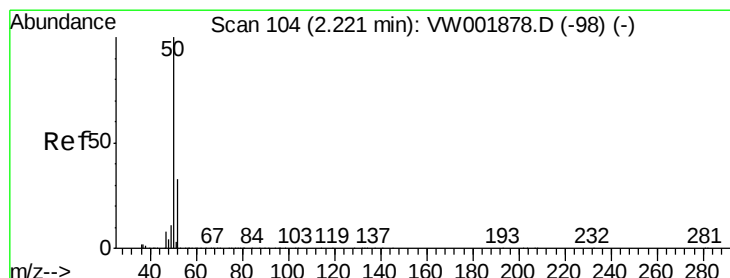
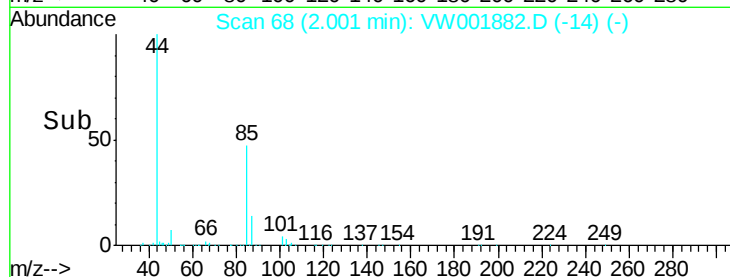
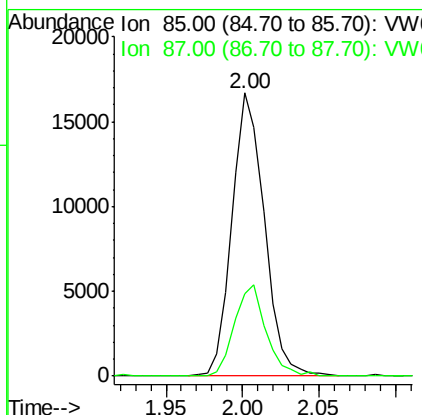
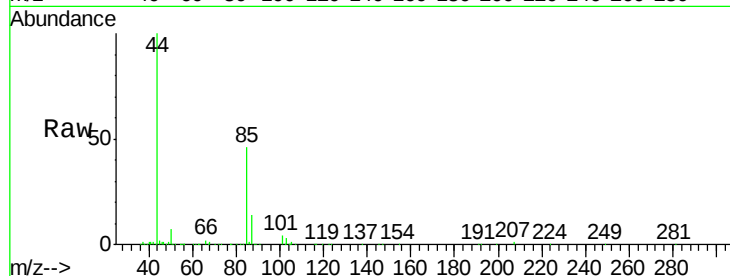
VSTD2.586

Tgt Ion: 85 Resp: 24552

Ion Ratio Lower Upper

85 100

87 31.7 22.3 41.5



#3

Chloromethane

Concen: 2.73 ug/L

RT: 2.22 min Scan# 104

Delta R.T. -0.00 min

Lab File: VW001882.D

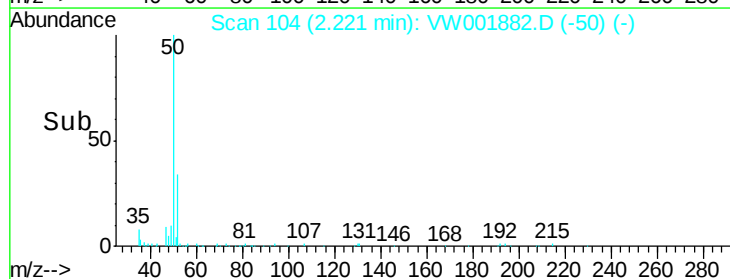
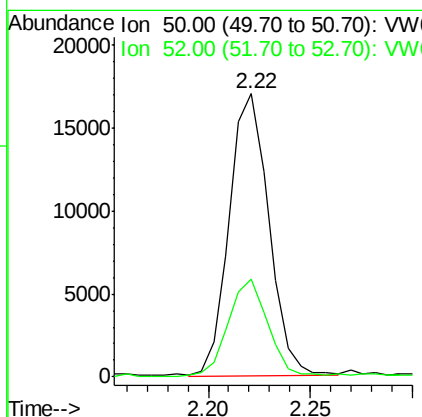
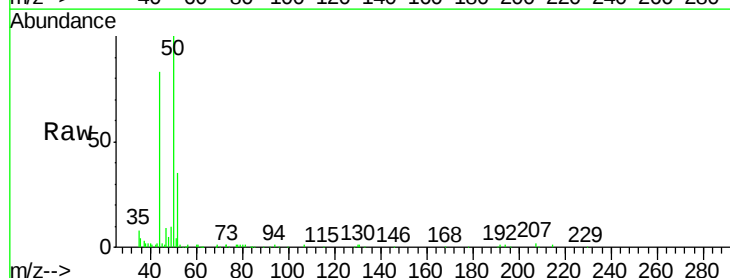
Acq: 05 Apr 2018 17:51

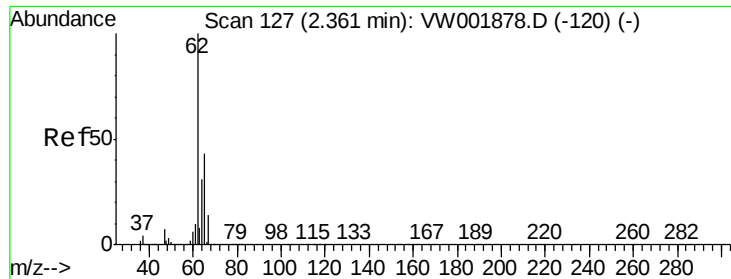
Tgt Ion: 50 Resp: 22927

Ion Ratio Lower Upper

50 100

52 34.6 23.2 43.0





#5

Vinyl chloride

Concen: 2.66 ug/L

RT: 2.36 min Scan# 127

Delta R.T. -0.00 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

Instrument :

MSVOA_W

ClientSampleId :

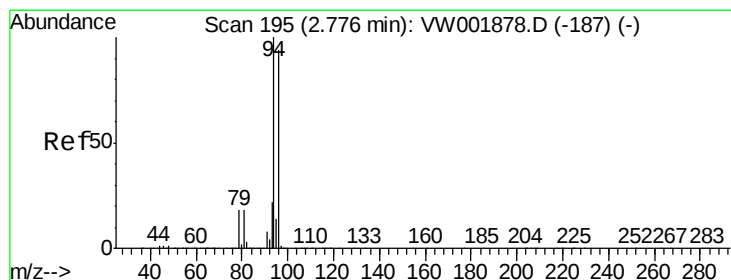
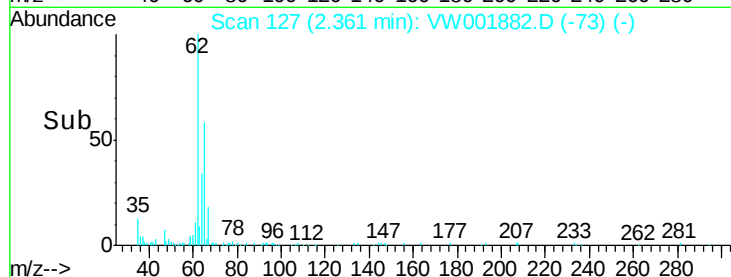
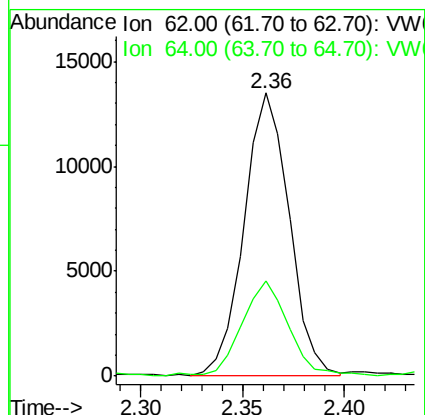
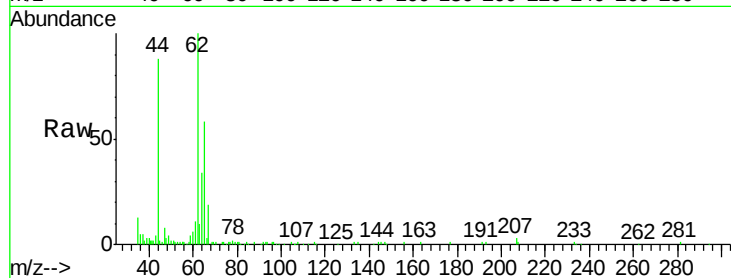
VSTD2.586

Tgt Ion: 62 Resp: 20832

Ion Ratio Lower Upper

62 100

64 33.6 21.4 39.8



#6

Bromomethane

Concen: 3.09 ug/L

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VW001882.D

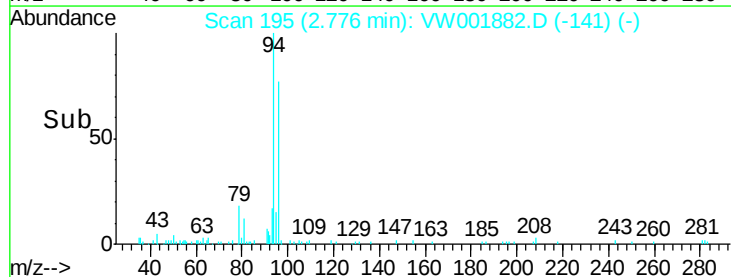
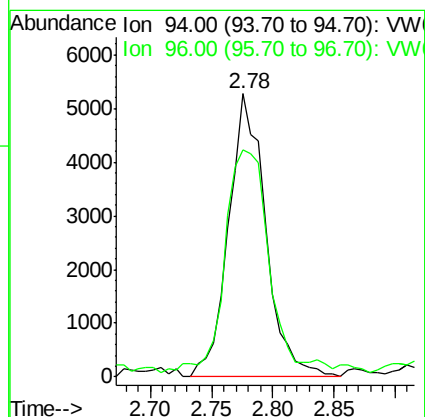
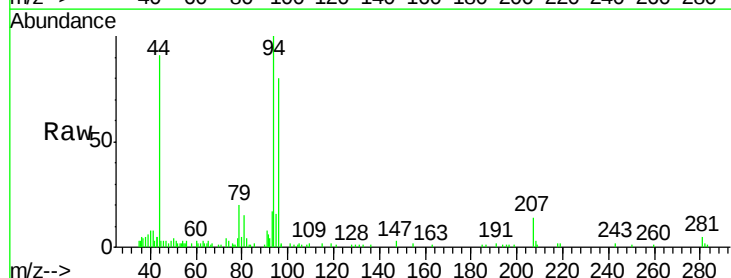
Acq: 05 Apr 2018 17:51

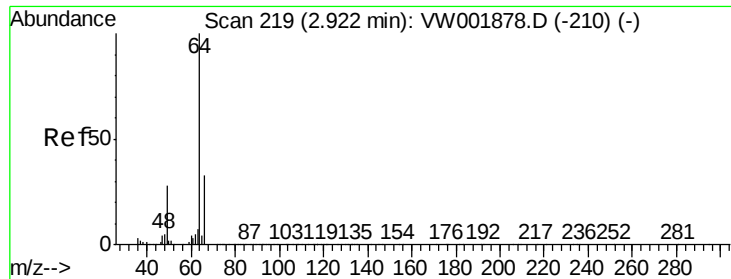
Tgt Ion: 94 Resp: 11070

Ion Ratio Lower Upper

94 100

96 88.3 9.5 179.7





#8

Chloroethane

Concen: 2.94 ug/L

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

Instrument :

MSVOA_W

ClientSampleId :

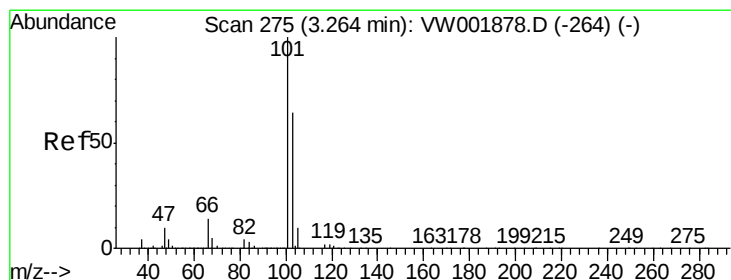
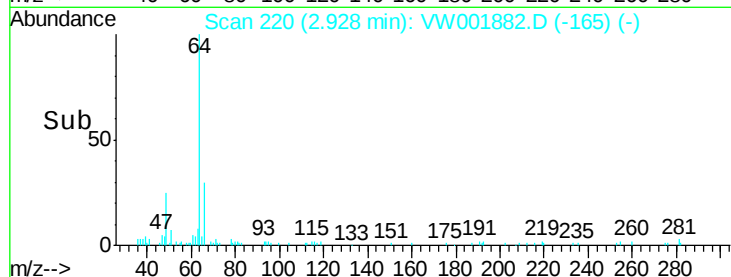
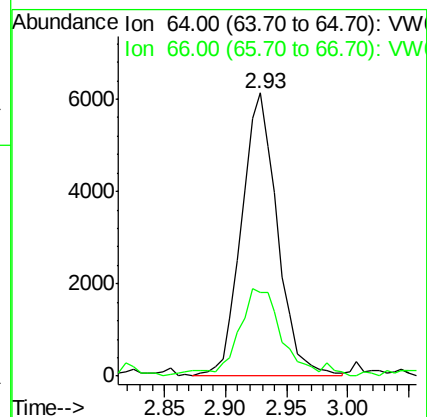
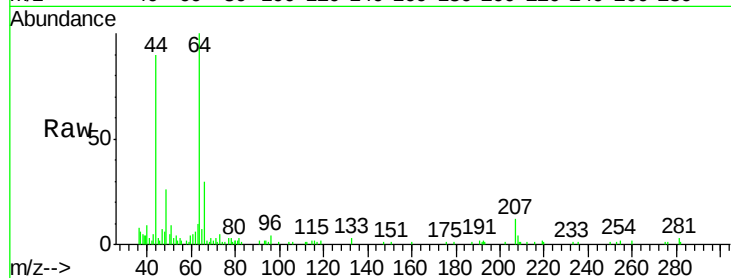
VSTD2.586

Tgt Ion: 64 Resp: 12495

Ion Ratio Lower Upper

64 100

66 29.8 23.4 43.4



#9

Trichlorofluoromethane

Concen: 2.70 ug/L

RT: 3.27 min Scan# 276

Delta R.T. 0.01 min

Lab File: VW001882.D

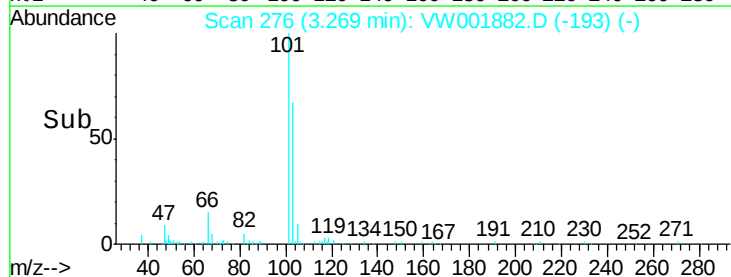
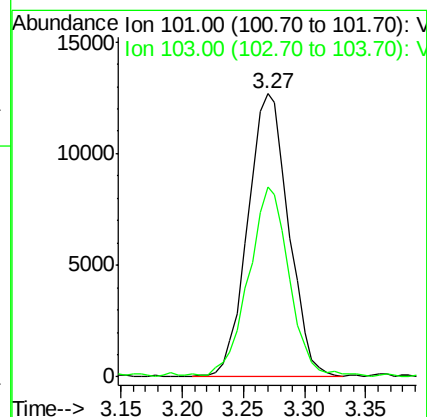
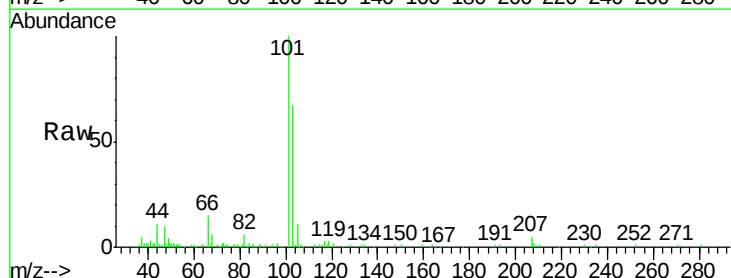
Acq: 05 Apr 2018 17:51

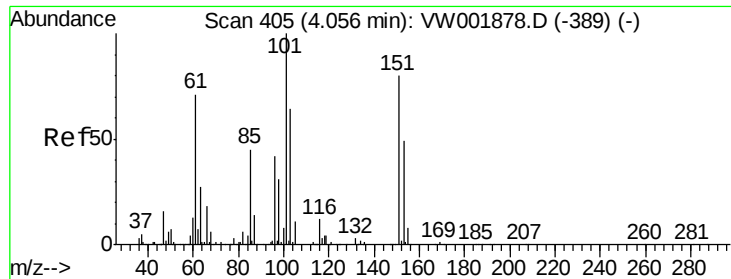
Tgt Ion: 101 Resp: 29400

Ion Ratio Lower Upper

101 100

103 64.8 45.2 84.0





#11

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

Concen: 1.18 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.586

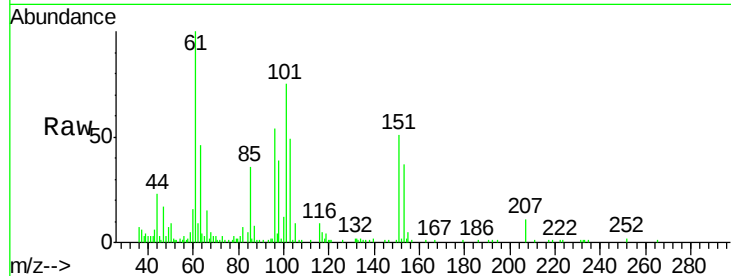
Tgt Ion:101 Resp: 7729

Ion Ratio Lower Upper

101 100

85 105.1 35.8 53.8#

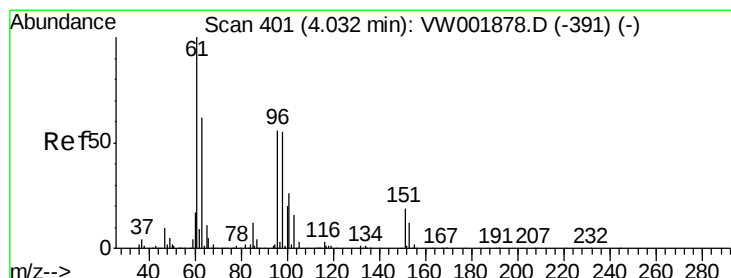
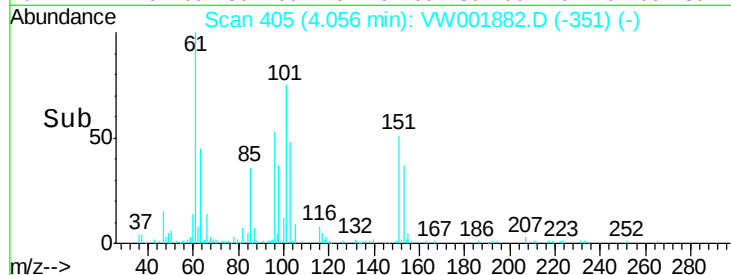
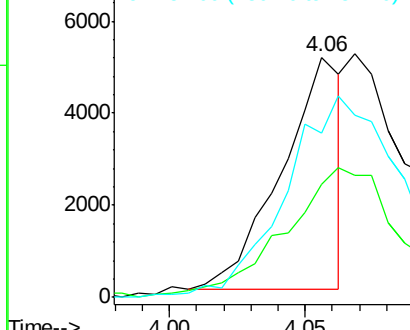
151 166.8 61.5 92.3#



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: 2.52 ug/L

RT: 4.04 min Scan# 402

Delta R.T. 0.01 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

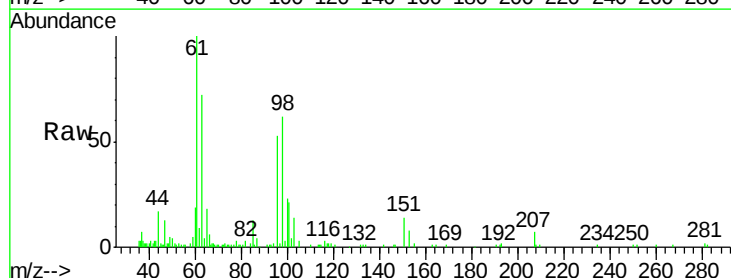
Tgt Ion: 96 Resp: 14810

Ion Ratio Lower Upper

96 100

61 189.4 127.1 236.1

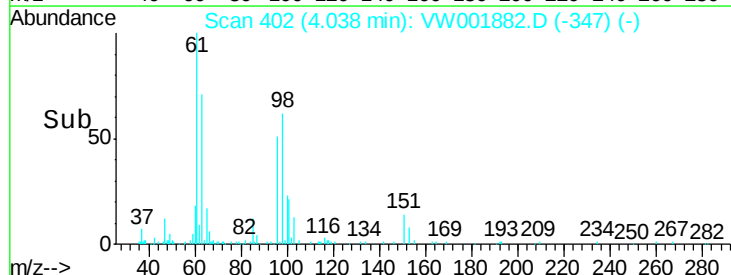
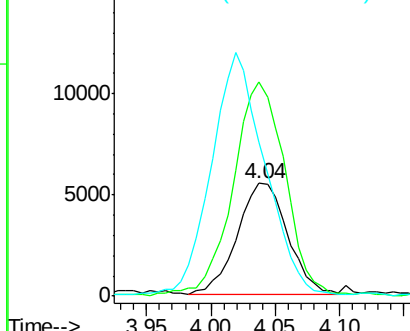
63 136.6 86.5 160.7

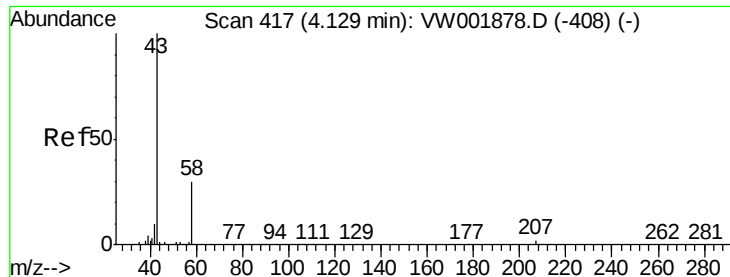


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 5.21 ug/L

RT: 4.13 min Scan# 417

Delta R.T. -0.00 min

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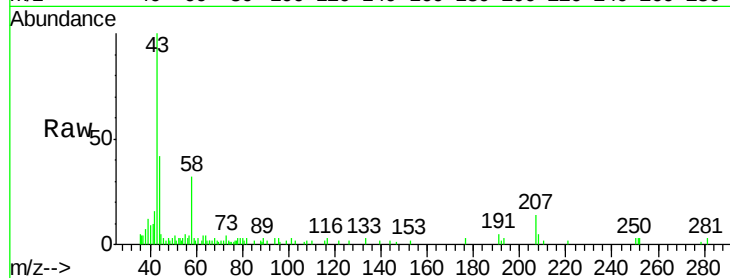
VSTD2.586

Tgt Ion: 43 Resp: 9990

Ion Ratio Lower Upper

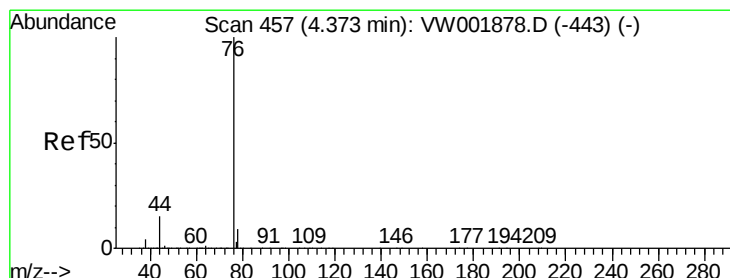
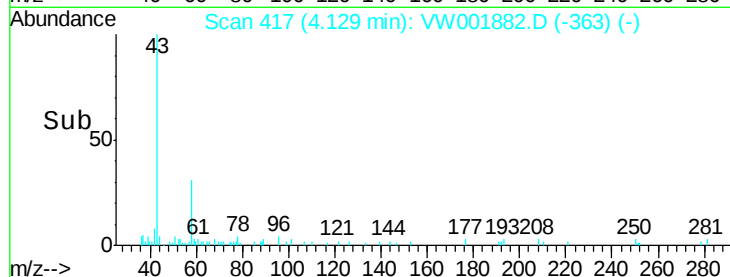
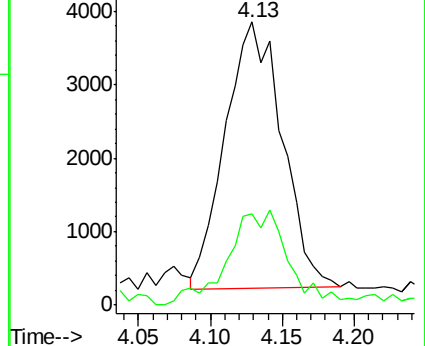
43 100

58 15.9 0.0 59.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 2.42 ug/L

RT: 4.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW001882.D

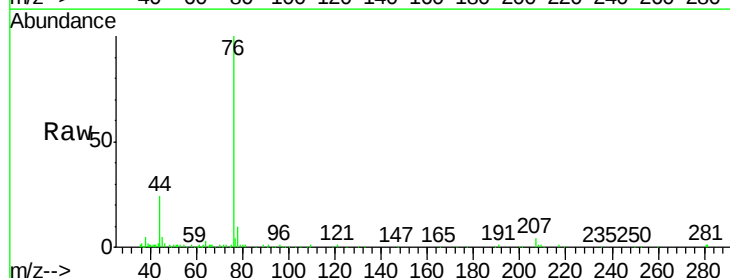
Acq: 05 Apr 2018 17:51

Tgt Ion: 76 Resp: 50169

Ion Ratio Lower Upper

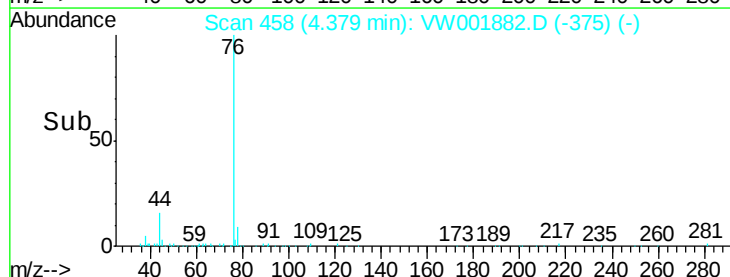
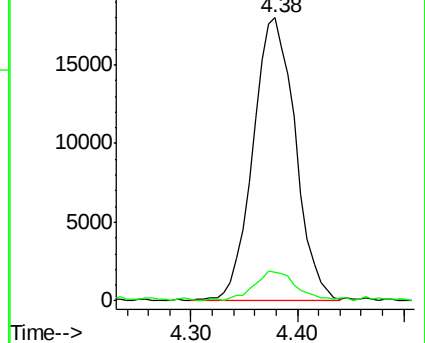
76 100

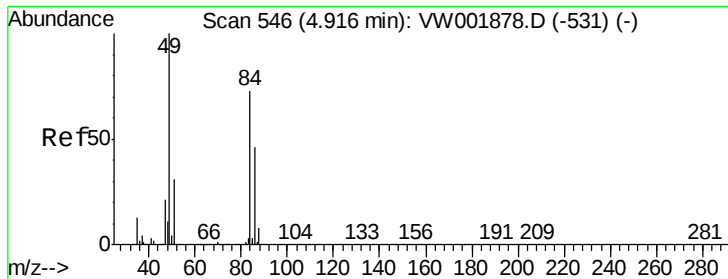
78 10.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

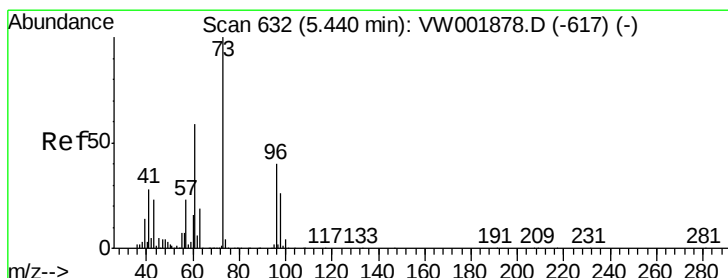
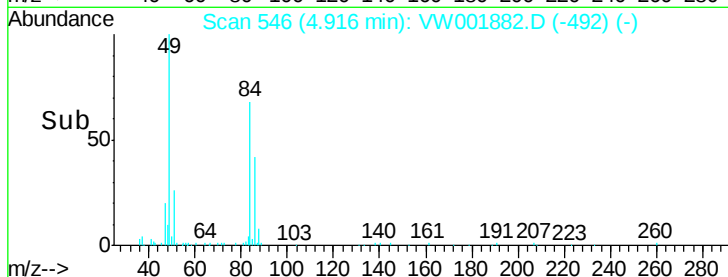
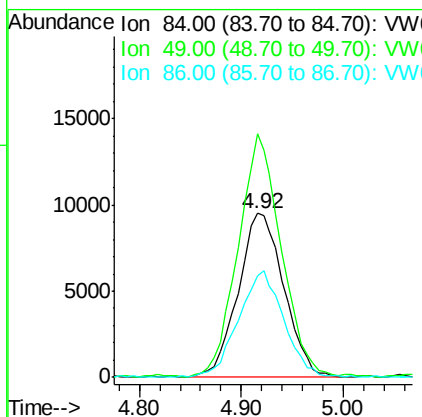
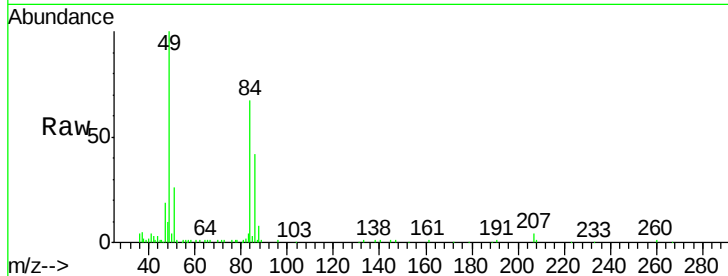




#16
Methylene chloride
Concen: 3.52 ug/L
RT: 4.92 min Scan# 546
Delta R.T. -0.00 min
Lab File: VW001882.D
Acq: 05 Apr 2018 17:51

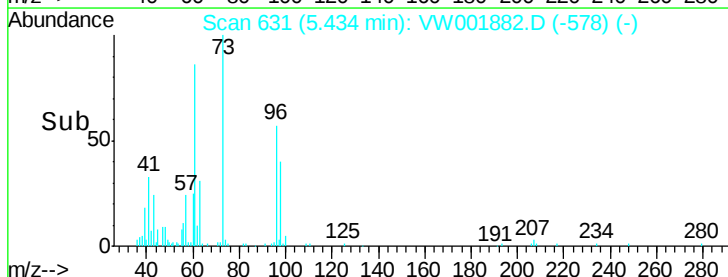
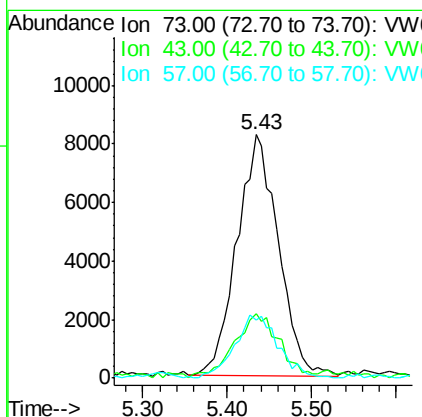
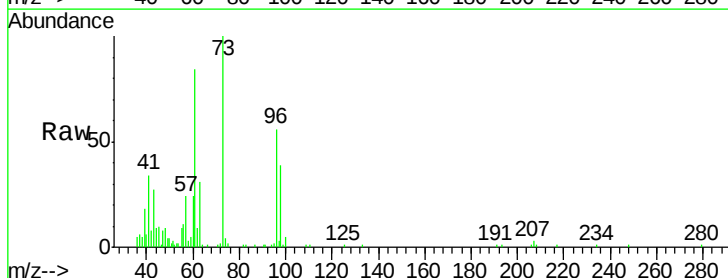
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.586

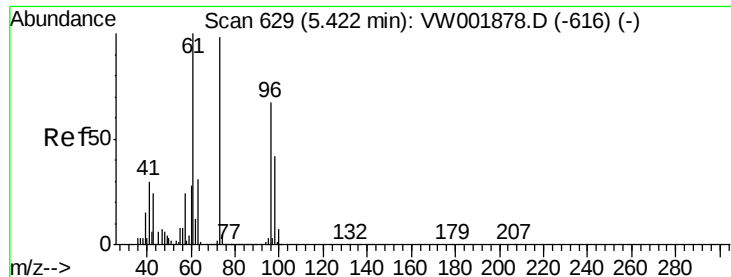
Tgt Ion: 84 Resp: 29629
Ion Ratio Lower Upper
84 100
49 148.8 96.2 178.6
86 62.2 44.1 81.9



#17
Methyl tert-butyl Ether
Concen: 2.08 ug/L
RT: 5.43 min Scan# 631
Delta R.T. -0.01 min
Lab File: VW001882.D
Acq: 05 Apr 2018 17:51

Tgt Ion: 73 Resp: 27475
Ion Ratio Lower Upper
73 100
43 20.5 18.6 28.0
57 25.7 19.4 29.0





#18

trans-1,2-Dichloroethene

Concen: 2.56 ug/L

RT: 5.43 min Scan# 630

Delta R.T. 0.01 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

Instrument :

MSVOA_W

ClientSampled :

VSTD2.586

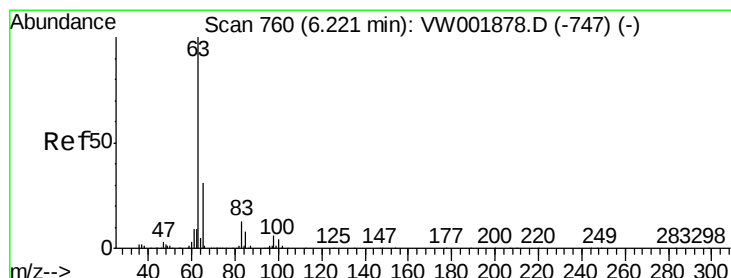
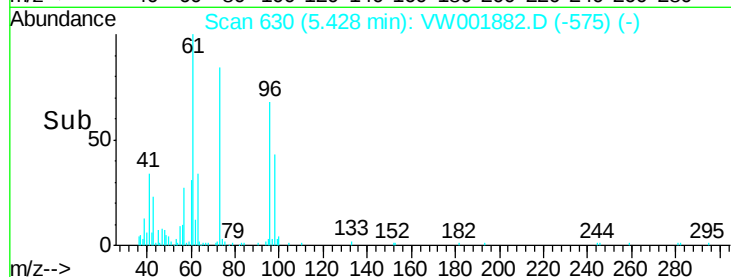
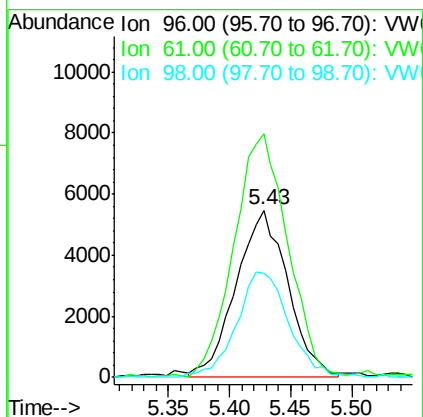
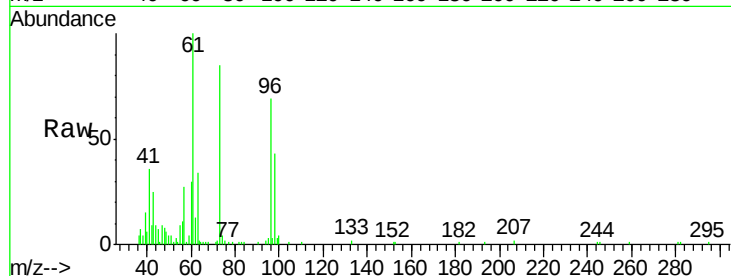
Tgt Ion: 96 Resp: 16129

Ion Ratio Lower Upper

96 100

61 145.4 104.3 193.7

98 62.3 44.2 82.0



#19

1,1-Dichloroethane

Concen: 2.67 ug/L

RT: 6.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

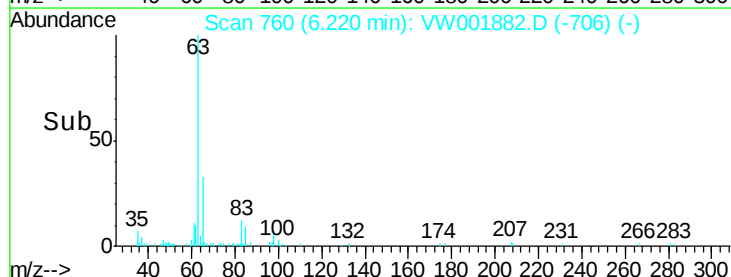
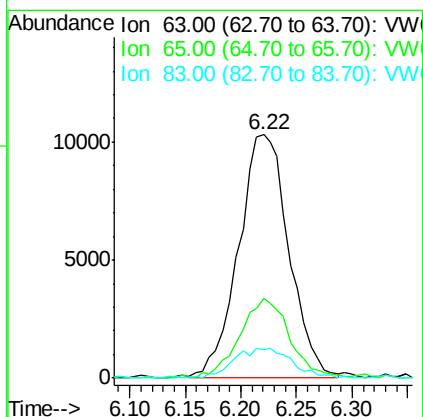
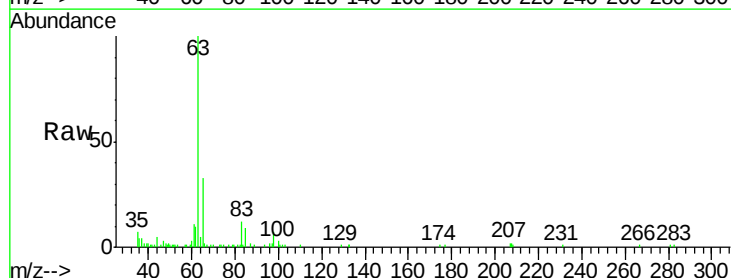
Tgt Ion: 63 Resp: 32432

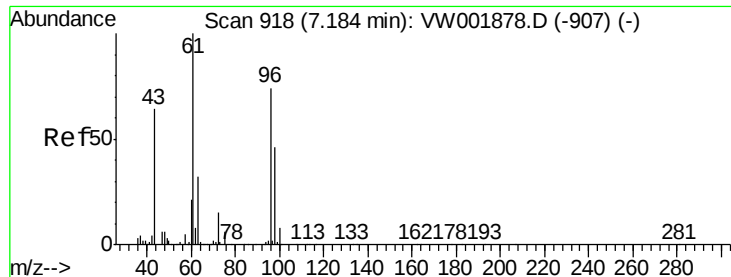
Ion Ratio Lower Upper

63 100

65 32.6 21.7 40.3

83 12.0 8.8 16.4





#21

2-Butanone

Concen: 3.68 ug/L

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

Instrument :

MSVOA_W

ClientSampleId :

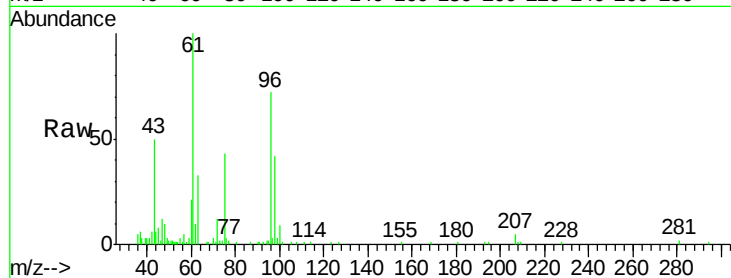
VSTD2.586

Tgt Ion: 43 Resp: 9756

Ion Ratio Lower Upper

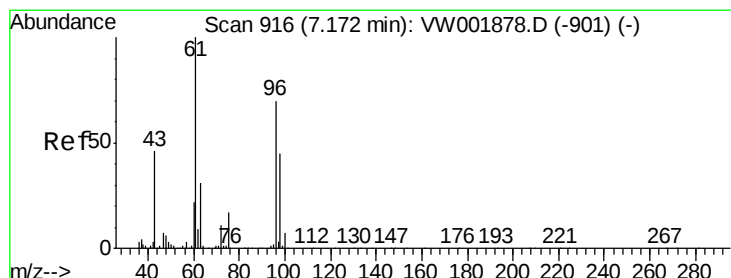
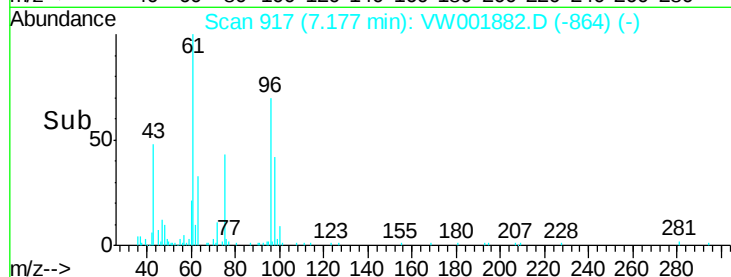
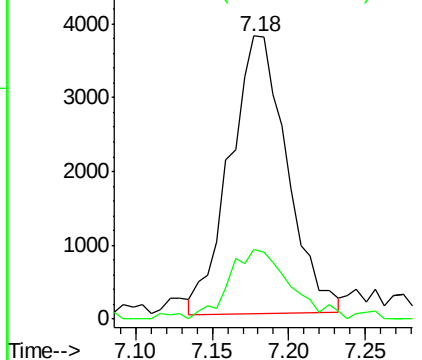
43 100

72 23.9 12.2 36.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#22

cis-1,2-Dichloroethene

Concen: 2.45 ug/L

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

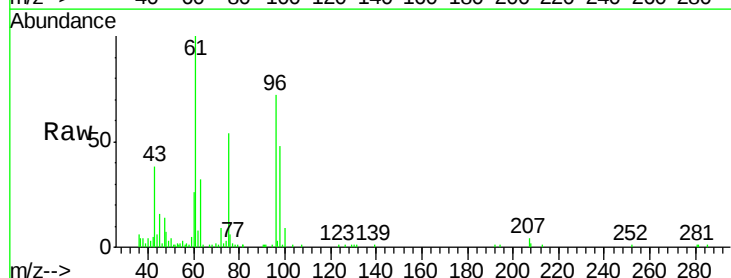
Tgt Ion: 96 Resp: 15869

Ion Ratio Lower Upper

96 100

61 139.2 99.5 184.9

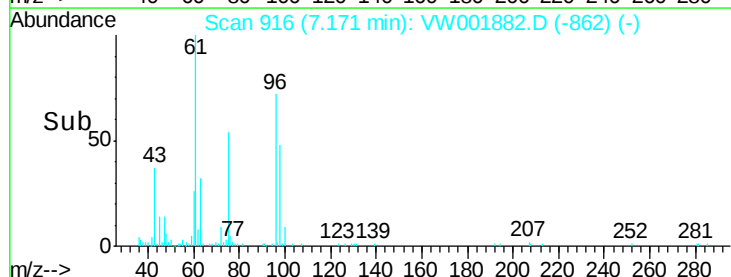
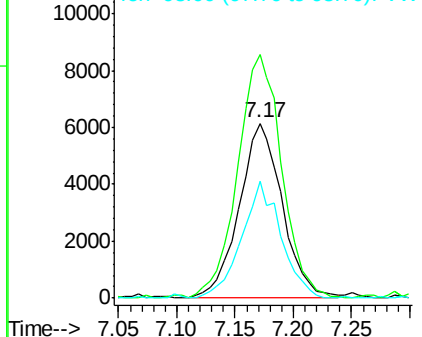
98 66.8 45.2 84.0

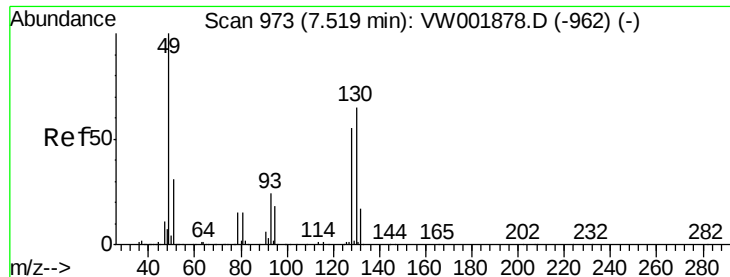


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

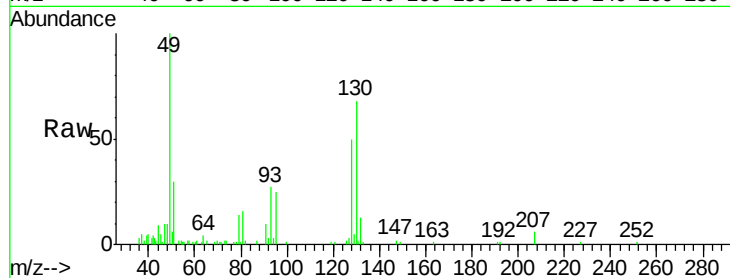




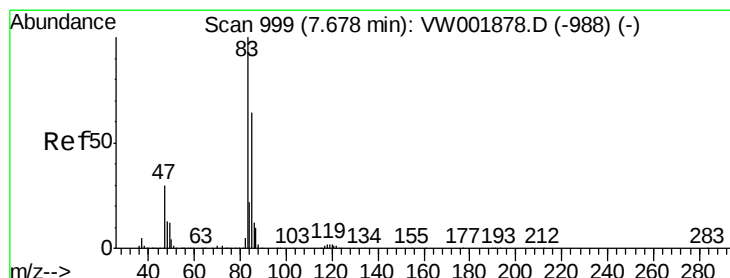
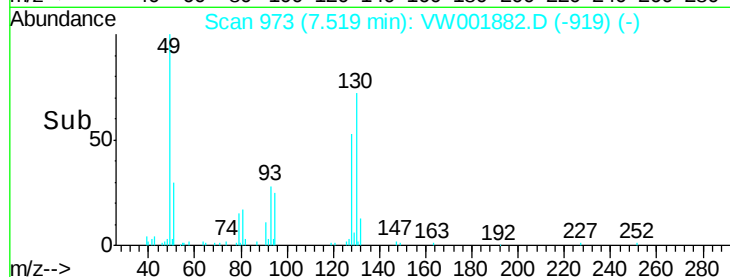
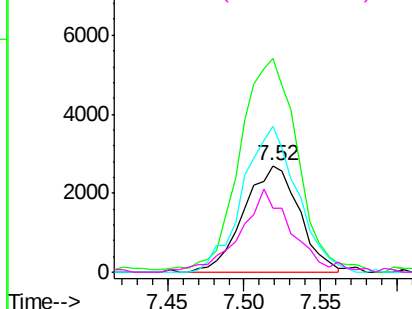
#23
 Bromochloromethane
 Concen: 2.35 ug/L
 RT: 7.52 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VW001882.D
 Acq: 05 Apr 2018 17:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.586

Tgt Ion:	128	Resp:	6778
Ion	Ratio	Lower	Upper
128	100		
49	200.0	127.9	237.5
130	136.7	82.9	153.9
51	60.5	45.7	68.5

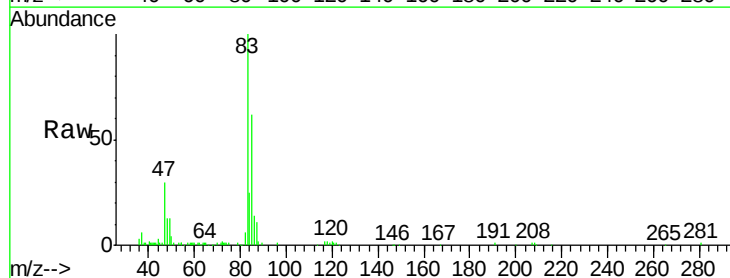


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): V
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): V

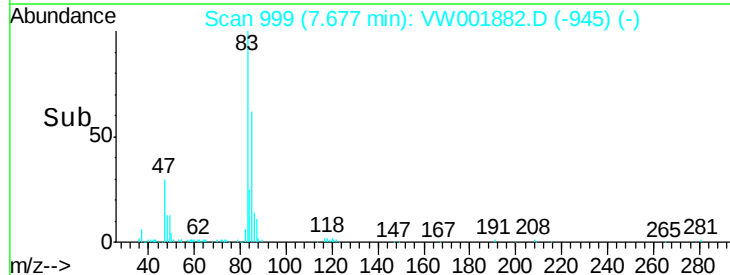
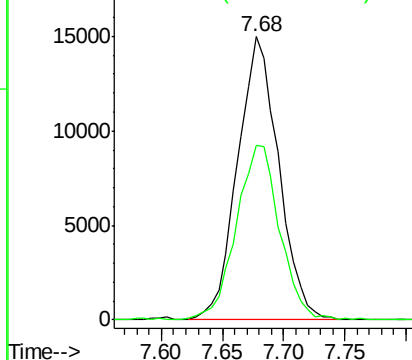


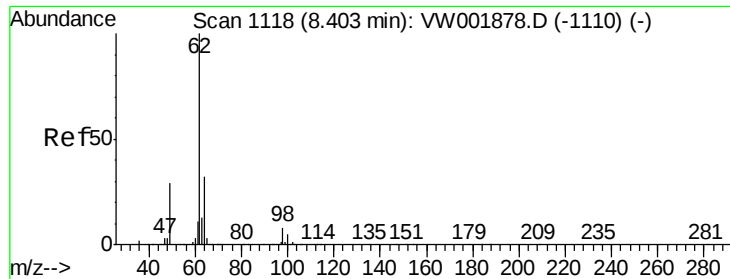
#25
 Chloroform
 Concen: 2.67 ug/L
 RT: 7.68 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VW001882.D
 Acq: 05 Apr 2018 17:51

Tgt Ion:	83	Resp:	35030
Ion	Ratio	Lower	Upper
83	100		
85	64.7	45.6	84.6



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

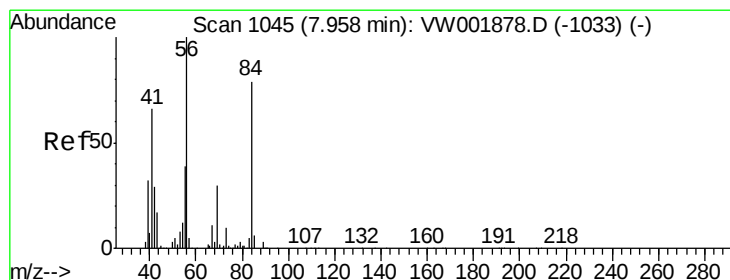
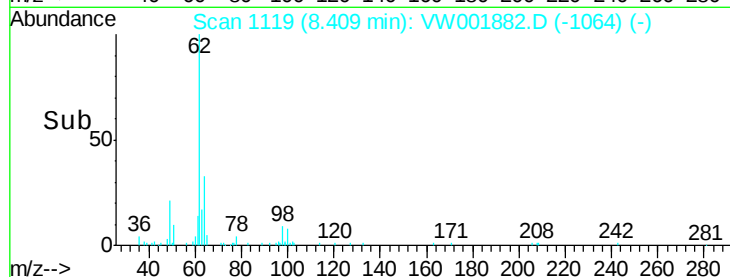
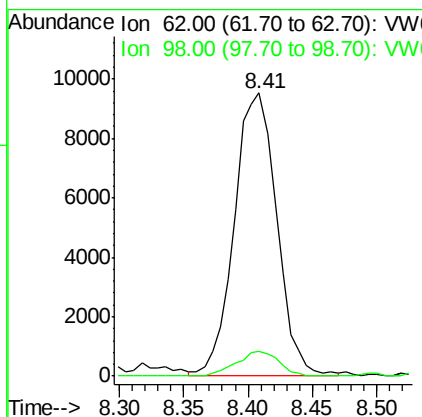
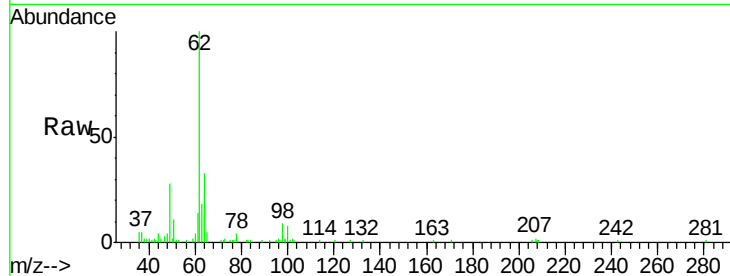




#27
 1,2-Dichloroethane
 Concen: 2.51 ug/L
 RT: 8.41 min Scan# 1119
 Delta R.T. 0.01 min
 Lab File: VW001882.D
 Acq: 05 Apr 2018 17:51

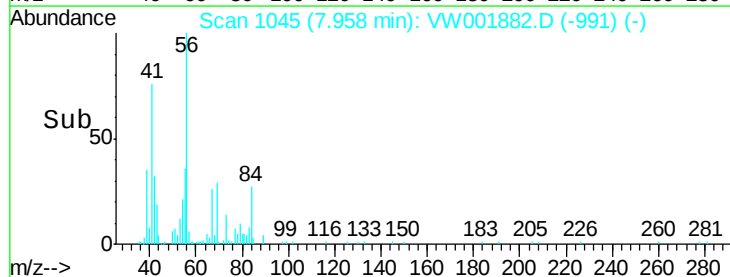
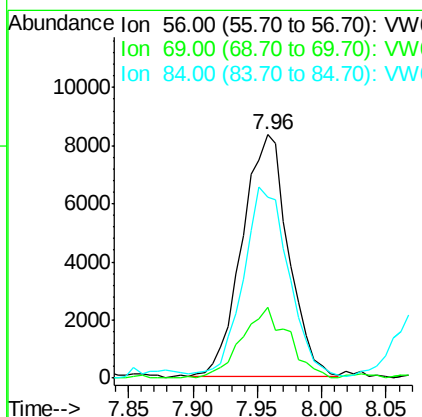
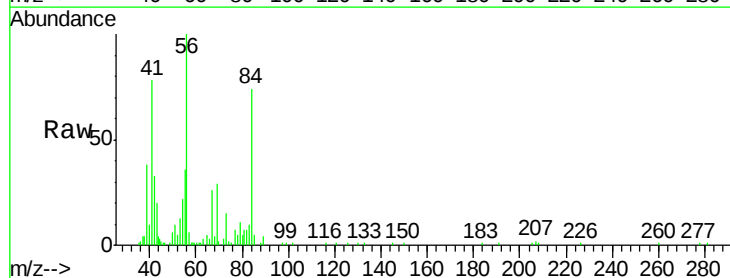
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.586

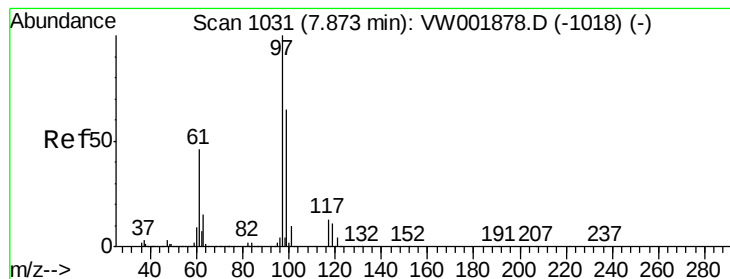
Tgt Ion: 62 Resp: 21814
 Ion Ratio Lower Upper
 62 100
 98 8.8 6.7 10.1



#30
 Cyclohexane
 Concen: 2.02 ug/L
 RT: 7.96 min Scan# 1045
 Delta R.T. -0.00 min
 Lab File: VW001882.D
 Acq: 05 Apr 2018 17:51

Tgt Ion: 56 Resp: 20815
 Ion Ratio Lower Upper
 56 100
 69 20.9 22.9 34.3#
 84 77.1 64.3 96.5





#31

1,1,1-Trichloroethane

Concen: 2.65 ug/L

RT: 7.88 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.586

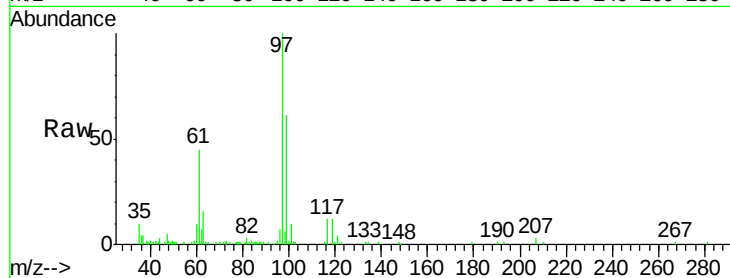
Tgt Ion: 97 Resp: 27860

Ion Ratio Lower Upper

97 100

99 64.7 52.0 78.0

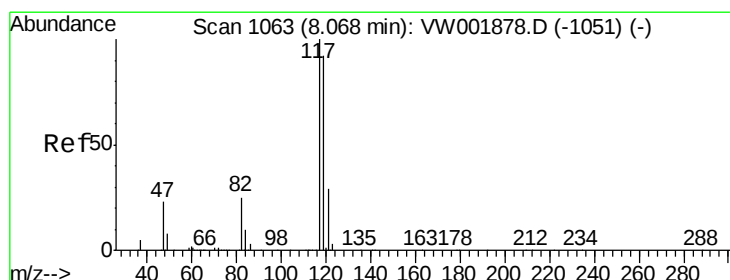
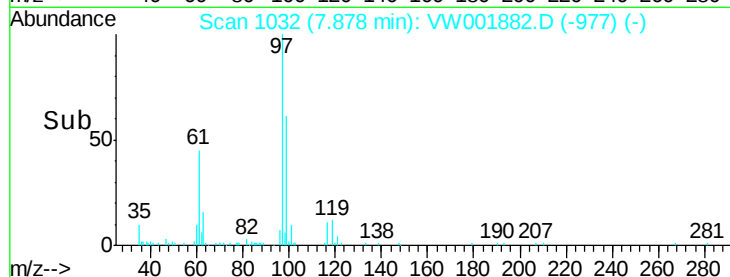
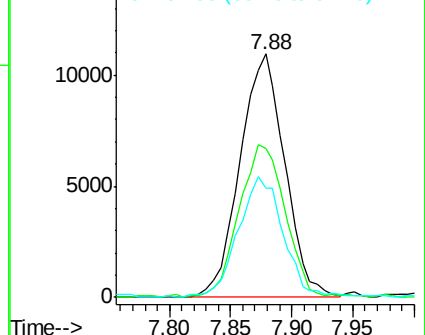
61 48.7 38.0 57.0



Abundance Ion 97.00 (96.70 to 97.70): VW

15000 Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 2.68 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VW001882.D

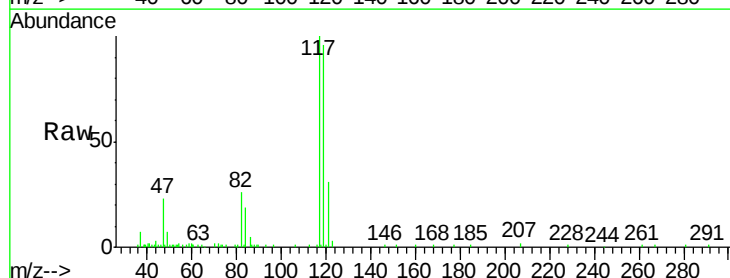
Acq: 05 Apr 2018 17:51

Tgt Ion: 117 Resp: 25869

Ion Ratio Lower Upper

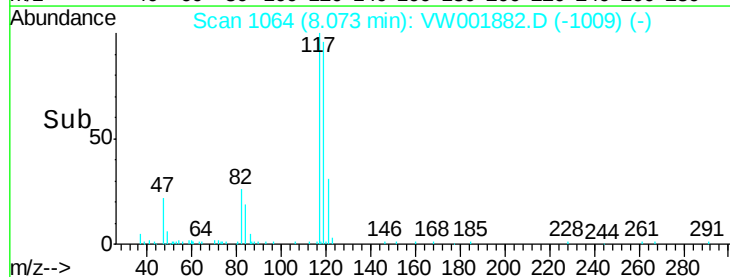
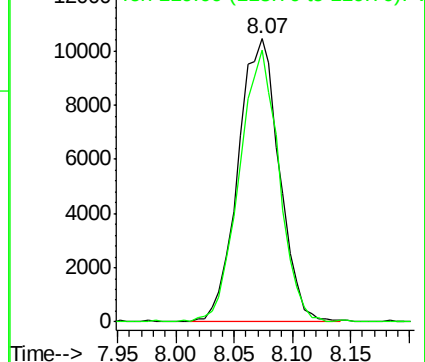
117 100

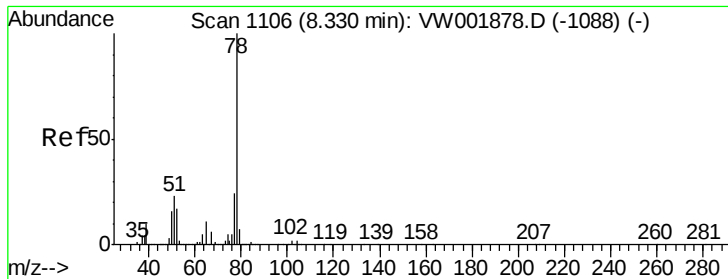
119 92.0 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

12000 Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 2.47 ug/L

RT: 8.33 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

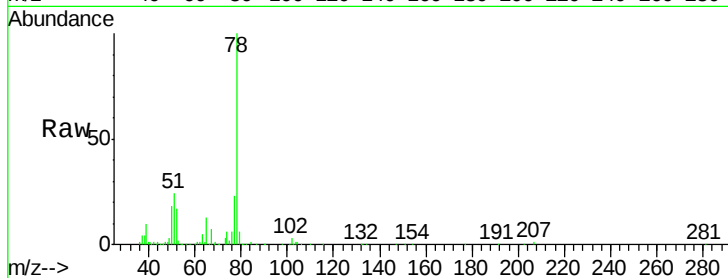
Instrument :

MSVOA_W

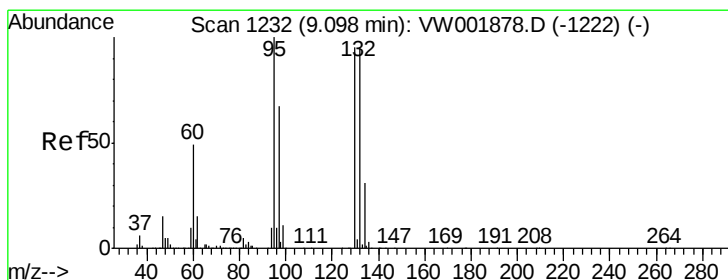
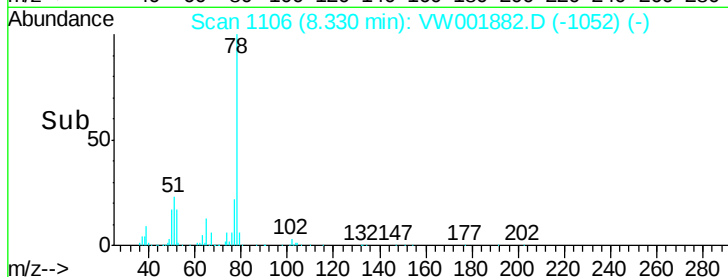
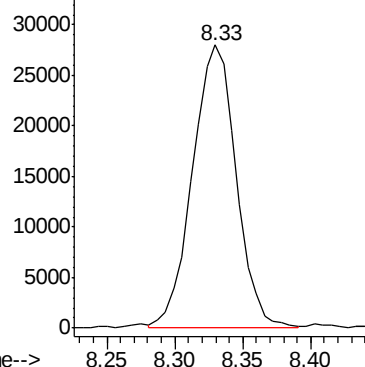
ClientSampleId :

VSTD2.586

Tgt Ion: 78 Resp: 62583



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.67 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

Tgt Ion: 95 Resp: 18044

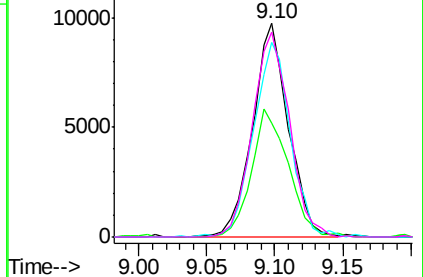
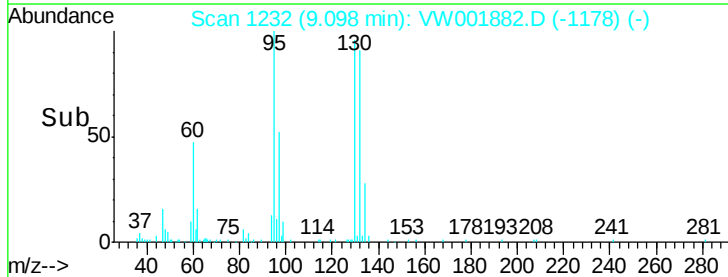
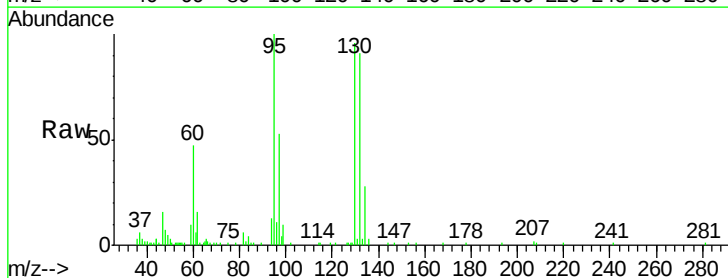
Ion	Ratio	Lower	Upper
95	100		
97	60.9	44.9	83.3
132	92.6	66.2	123.0
130	98.8	68.5	127.1

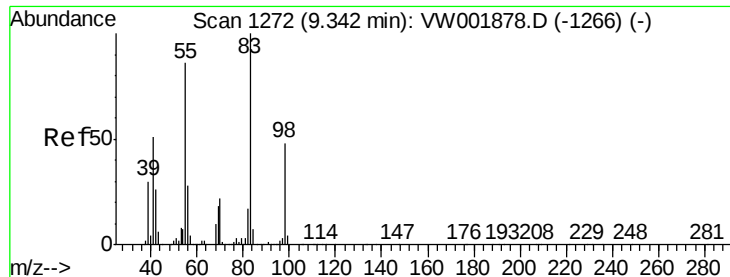
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

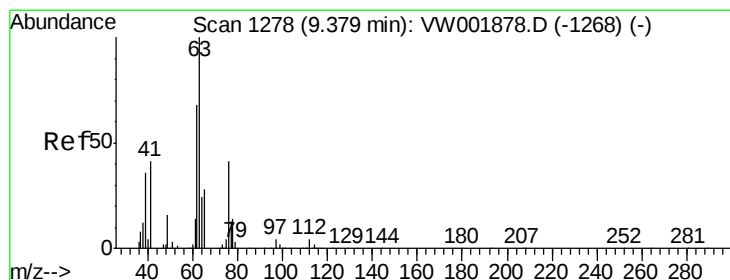
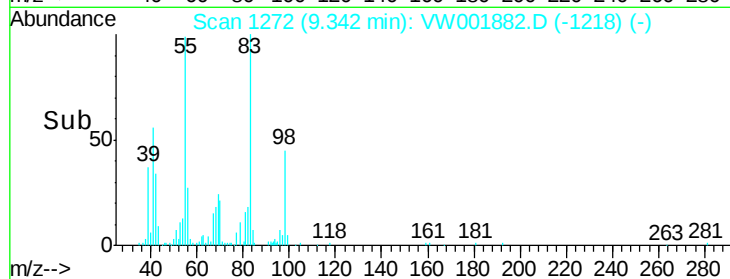
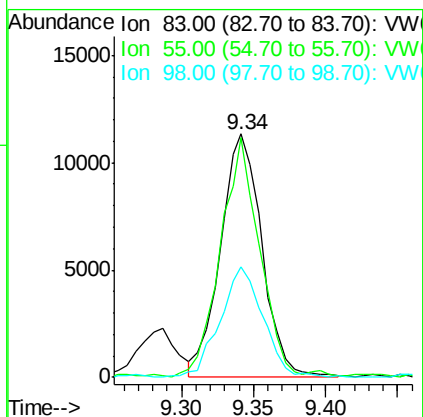
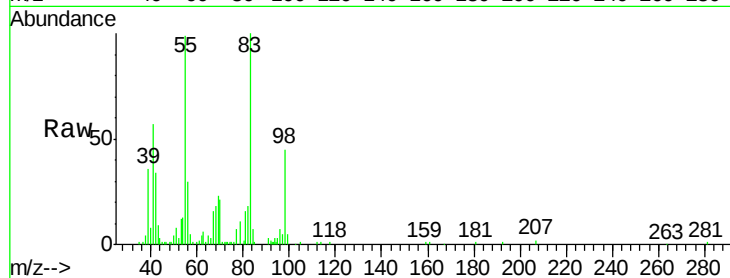




#36
Methylcyclohexane
Concen: 2.13 ug/L
RT: 9.34 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VW001882.D
Acq: 05 Apr 2018 17:51

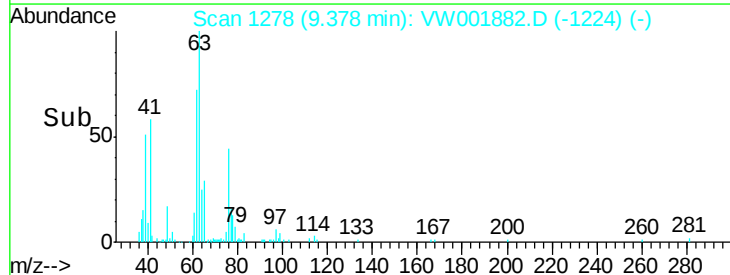
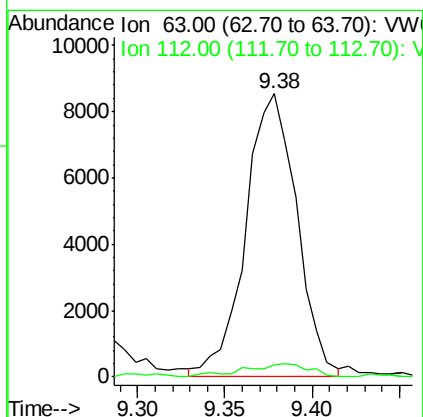
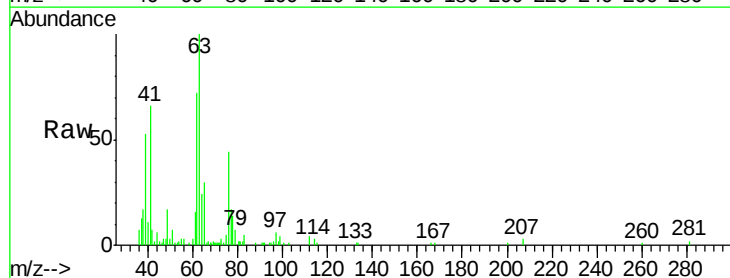
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.586

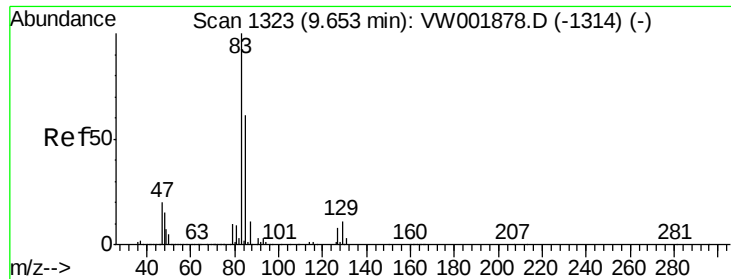
Tgt Ion: 83 Resp: 22767
Ion Ratio Lower Upper
83 100
55 92.9 67.0 100.4
98 46.3 35.9 53.9



#40
1,2-Dichloropropane
Concen: 2.55 ug/L
RT: 9.38 min Scan# 1278
Delta R.T. -0.00 min
Lab File: VW001882.D
Acq: 05 Apr 2018 17:51

Tgt Ion: 63 Resp: 17403
Ion Ratio Lower Upper
63 100
112 4.0 2.9 4.3





#41

Bromodichloromethane

Concen: 2.63 ug/L

RT: 9.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.586

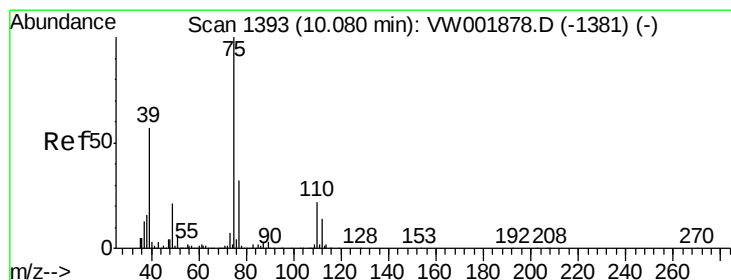
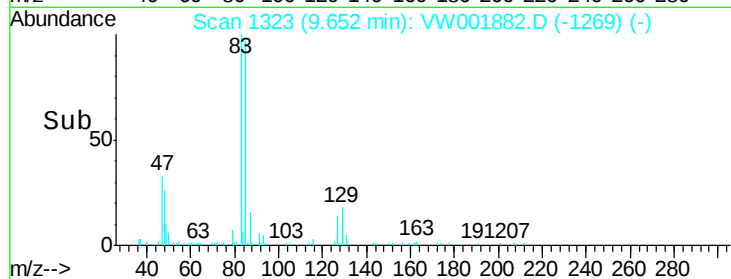
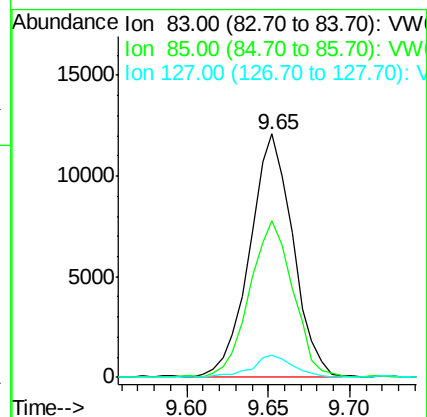
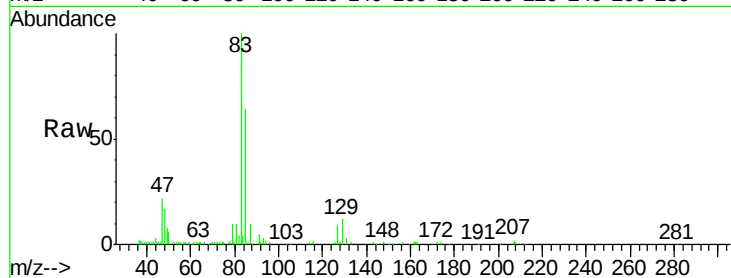
Tgt Ion: 83 Resp: 22340

Ion Ratio Lower Upper

83 100

85 64.1 42.7 79.3

127 9.0 6.5 9.7



#42

cis-1,3-Dichloropropene

Concen: 2.25 ug/L

RT: 10.09 min Scan# 1394

Delta R.T. 0.01 min

Lab File: VW001882.D

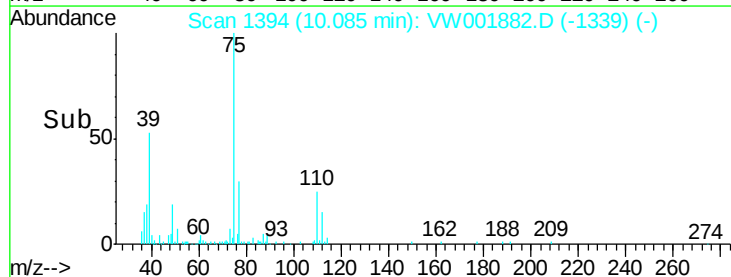
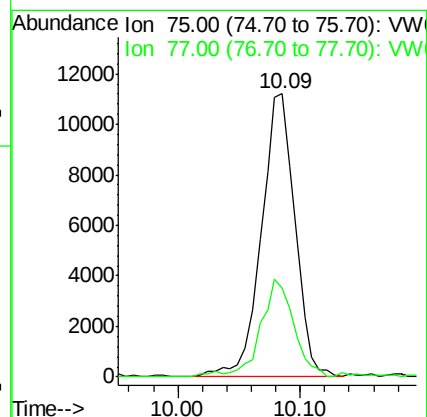
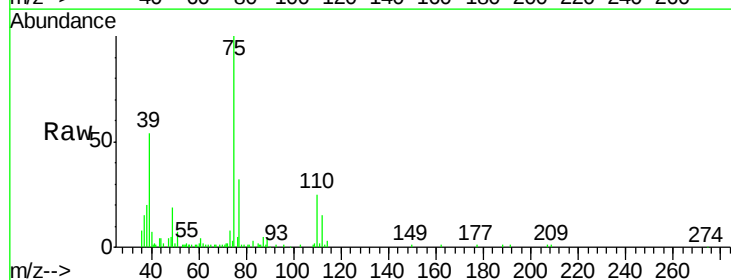
Acq: 05 Apr 2018 17:51

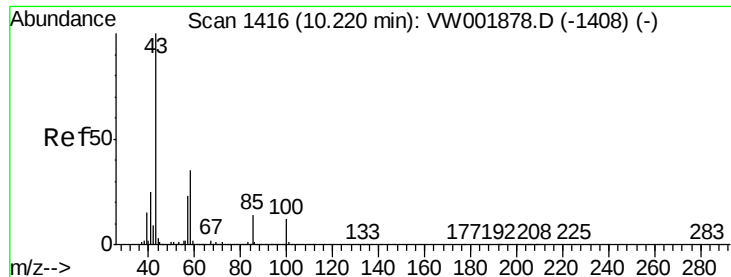
Tgt Ion: 75 Resp: 21499

Ion Ratio Lower Upper

75 100

77 31.5 22.7 42.1

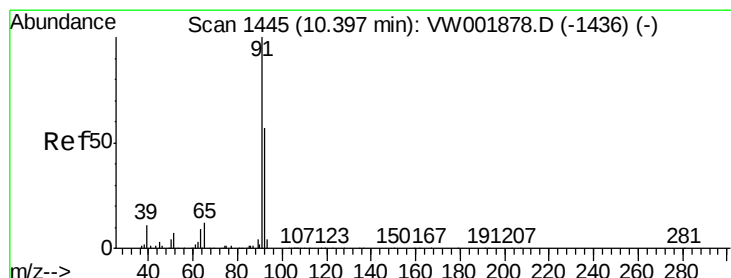
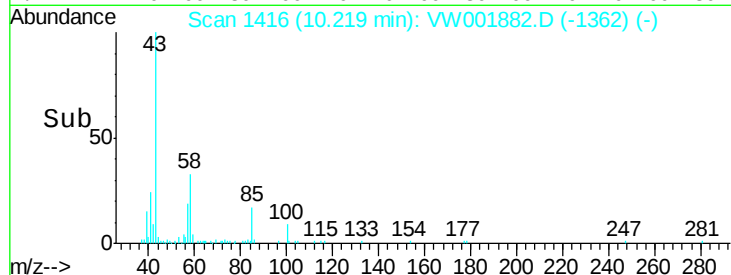
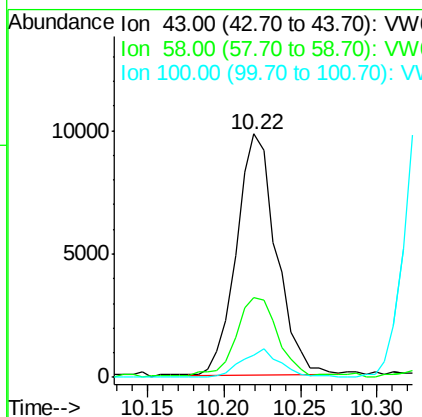
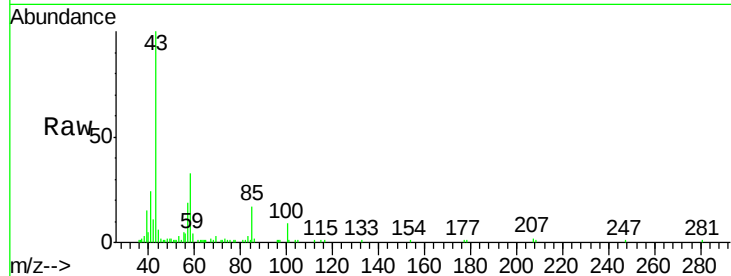




#43
 4-Methyl-2-pentanone
 Concen: 3.38 ug/L
 RT: 10.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VW001882.D
 Acq: 05 Apr 2018 17:51

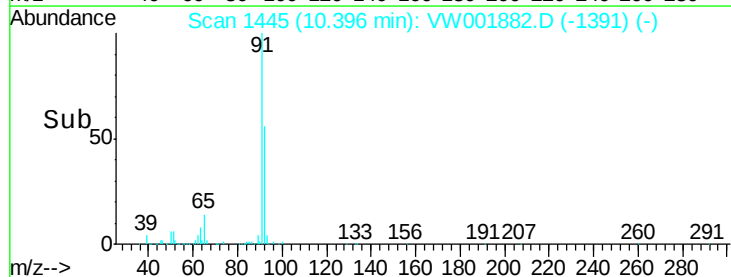
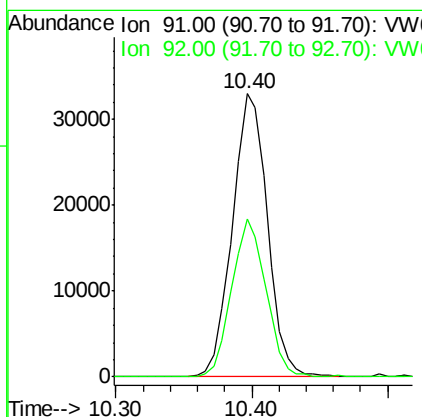
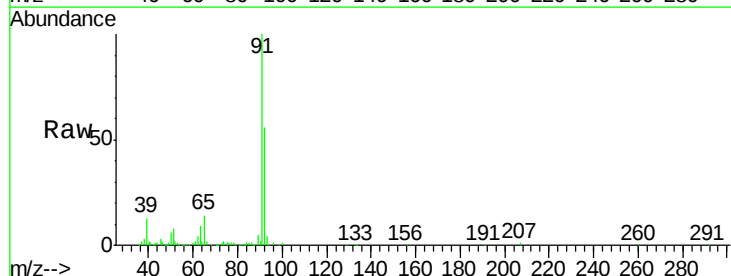
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.586

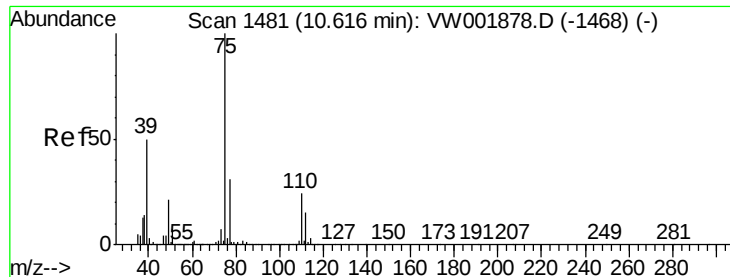
Tgt Ion: 43 Resp: 17716
 Ion Ratio Lower Upper
 43 100
 58 33.8 28.1 42.1
 100 11.4 9.6 14.4



#44
 Toluene
 Concen: 2.24 ug/L
 RT: 10.40 min Scan# 1445
 Delta R.T. -0.00 min
 Lab File: VW001882.D
 Acq: 05 Apr 2018 17:51

Tgt Ion: 91 Resp: 59245
 Ion Ratio Lower Upper
 91 100
 92 55.6 40.0 74.2





#45

trans-1,3-Dichloropropene

Concen: 2.16 ug/L

RT: 10.62 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

Instrument :

MSVOA_W

ClientSampleId :

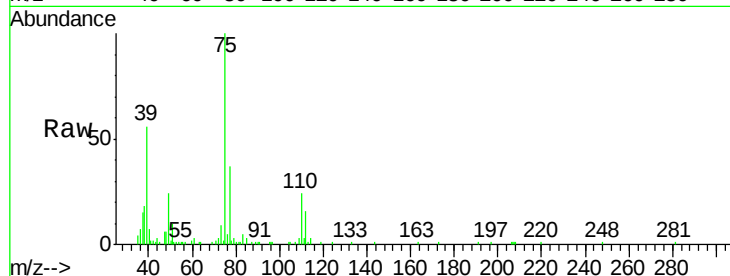
VSTD2.586

Tgt Ion: 75 Resp: 18306

Ion Ratio Lower Upper

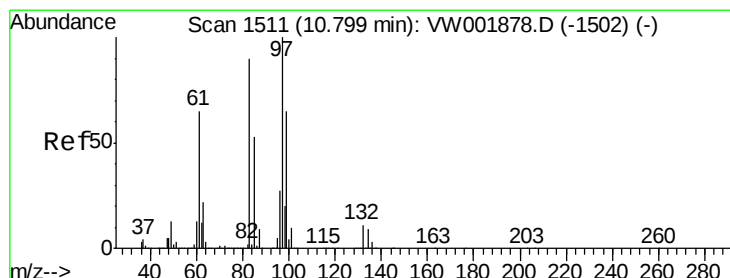
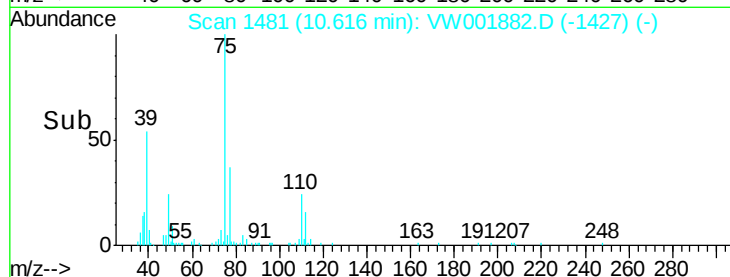
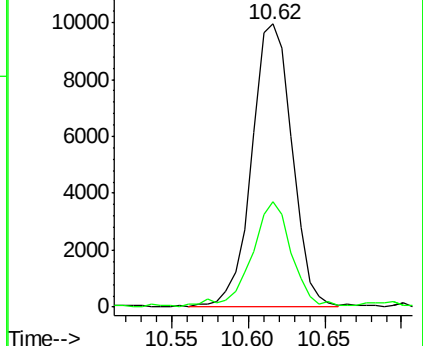
75 100

77 37.4 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#46

1,1,2-Trichloroethane

Concen: 2.45 ug/L

RT: 10.80 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

Tgt Ion: 97 Resp: 12549

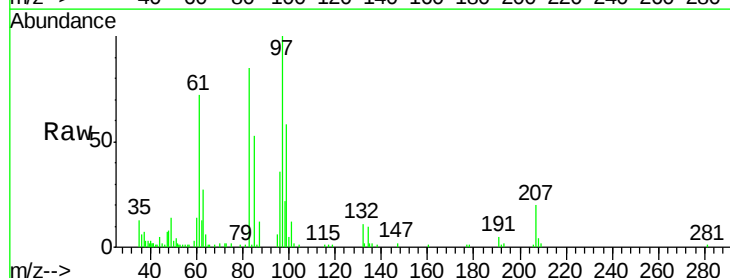
Ion Ratio Lower Upper

97 100

83 84.9 62.6 116.3

85 52.6 37.2 69.2

99 57.9 45.2 84.0

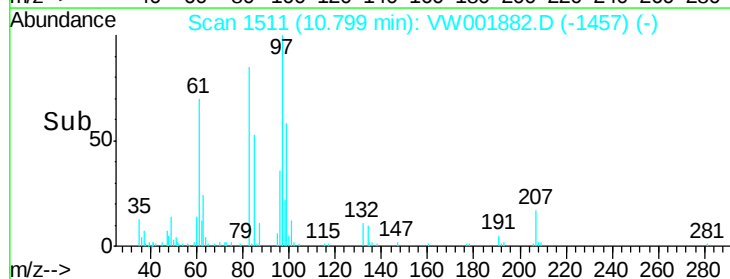
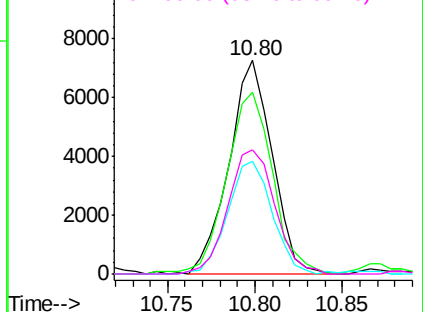


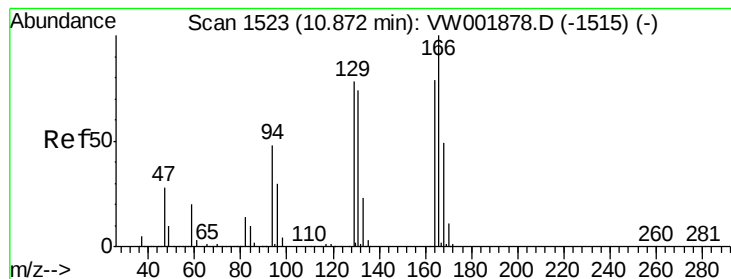
Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW





#47

Tetrachloroethene

Concen: 2.47 ug/L

RT: 10.87 min Scan# 1523

Delta R.T. -0.00 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.586

Tgt Ion:164 Resp: 13193

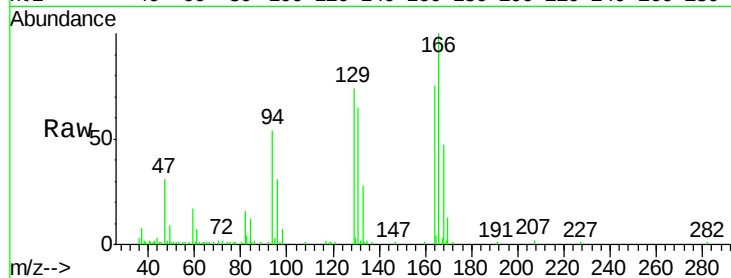
Ion Ratio Lower Upper

164 100

129 99.6 68.7 127.7

131 87.6 65.7 122.1

166 134.1 88.7 164.7

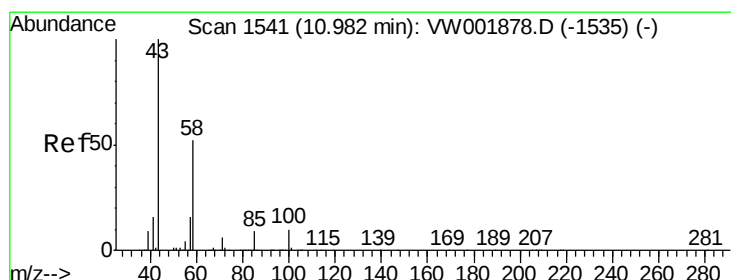
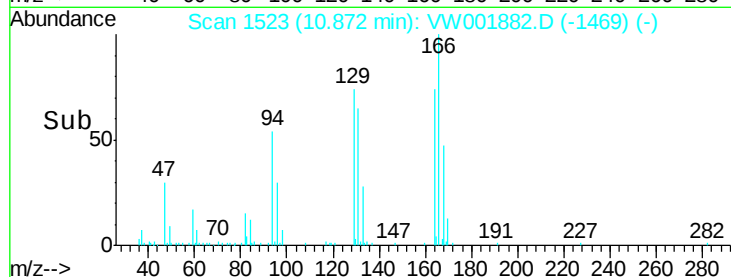
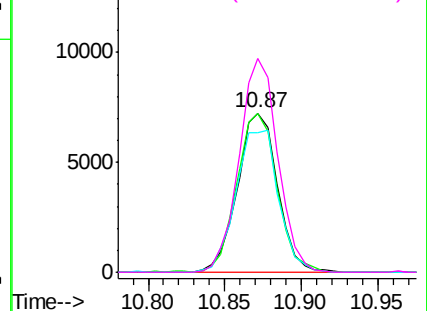


Abundance Ion 164.00 (163.70 to 164.70): V

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: 3.14 ug/L

RT: 10.98 min Scan# 1541

Delta R.T. -0.00 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

Tgt Ion: 43 Resp: 11930

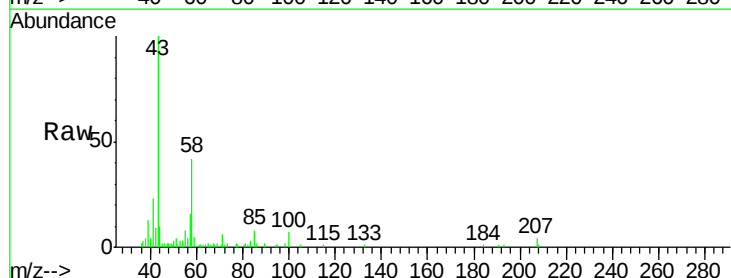
Ion Ratio Lower Upper

43 100

58 48.2 40.5 60.7

57 19.3 13.8 20.6

100 10.1 7.5 11.3

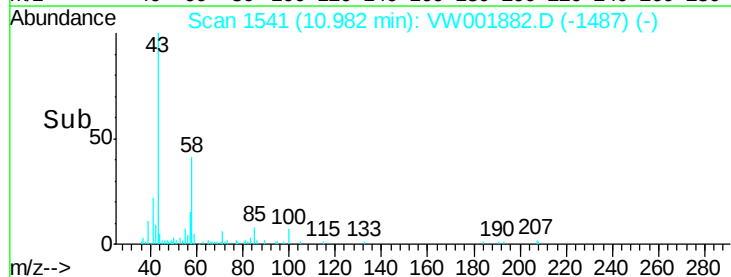
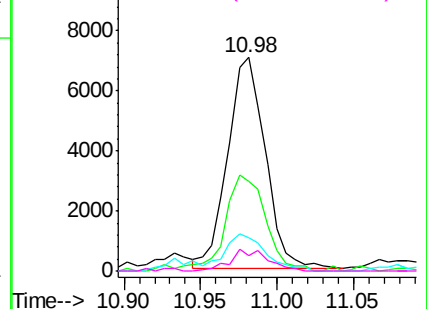


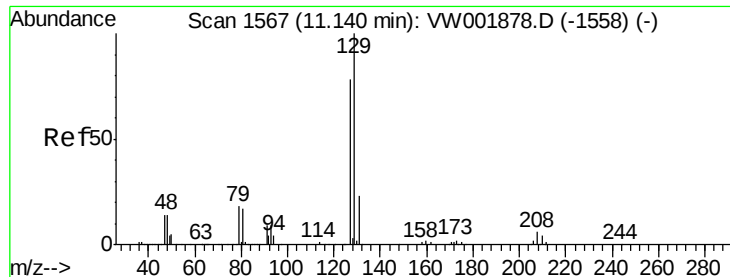
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#50

Dibromochloromethane

Concen: 2.37 ug/L

RT: 11.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

Instrument :

MSVOA_W

ClientSampleId :

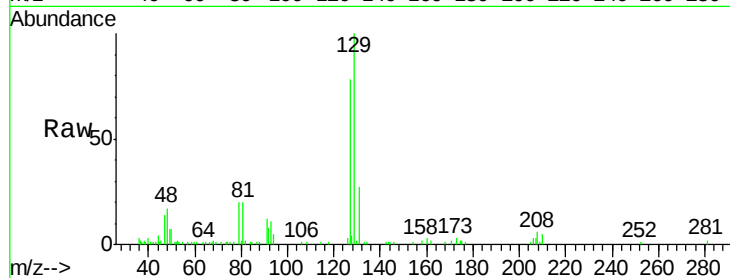
VSTD2.586

Tgt Ion:129 Resp: 13897

Ion Ratio Lower Upper

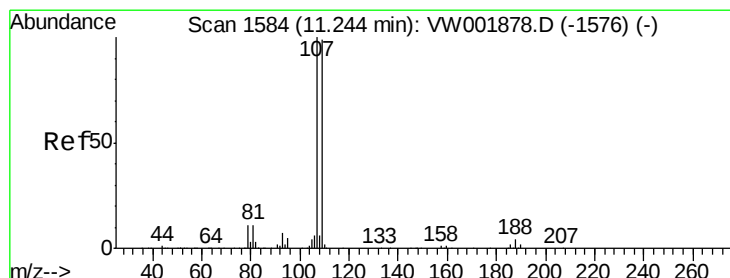
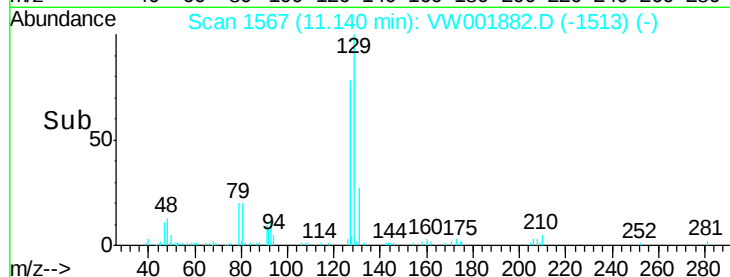
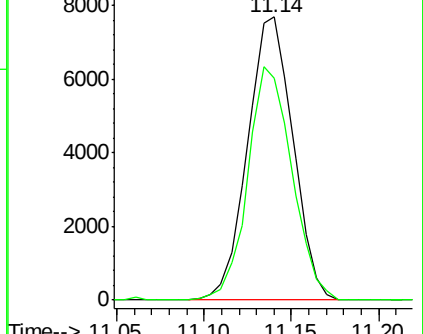
129 100

127 78.3 54.8 101.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 2.19 ug/L

RT: 11.25 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

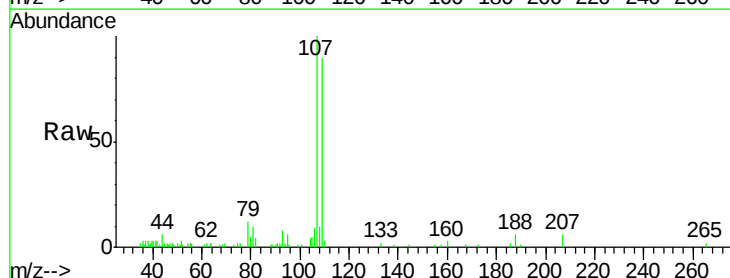
Tgt Ion:107 Resp: 10339

Ion Ratio Lower Upper

107 100

109 89.9 69.0 128.2

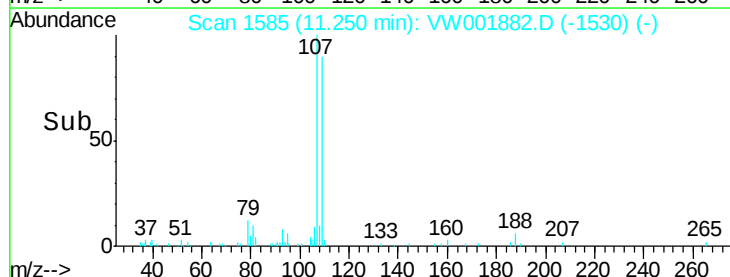
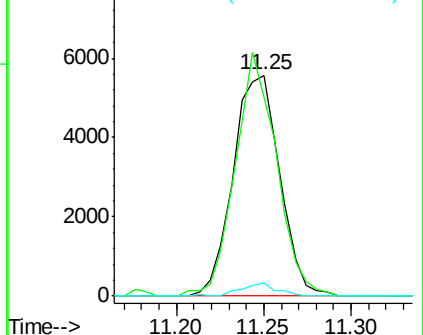
188 6.1 3.0 4.4#

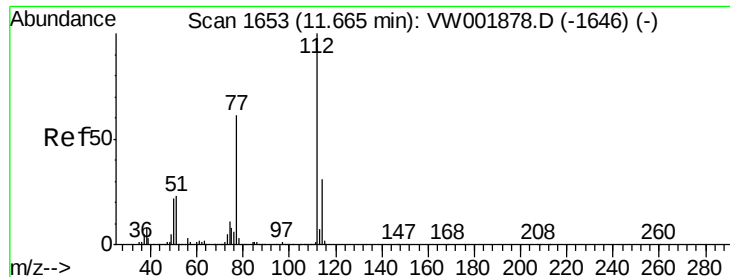


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 2.55 ug/L

RT: 11.67 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.586

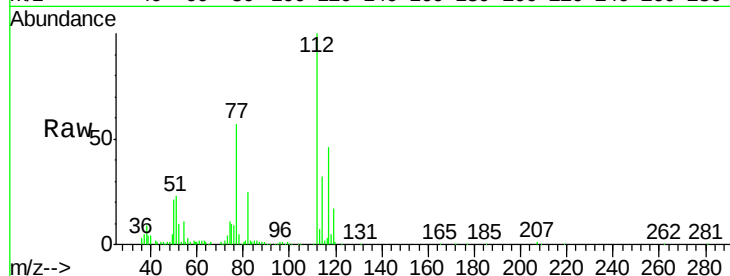
Tgt Ion: 112 Resp: 43648

Ion Ratio Lower Upper

112 100

77 56.9 49.4 74.0

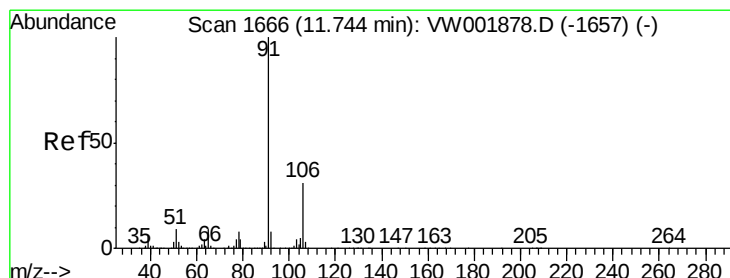
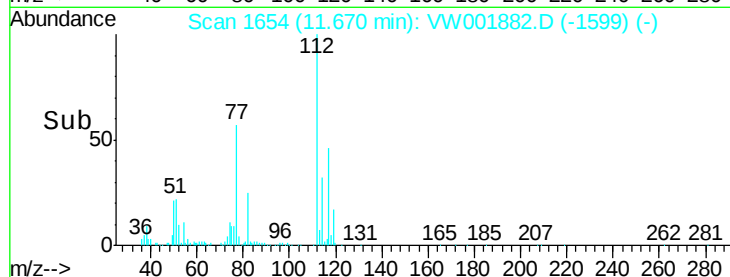
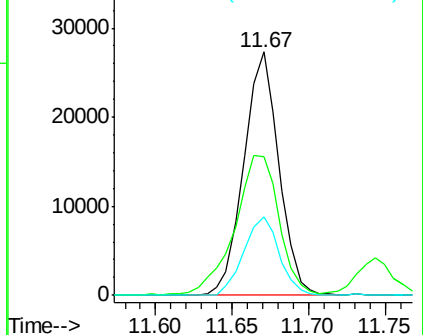
114 32.5 21.8 40.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 2.19 ug/L

RT: 11.74 min Scan# 1666

Delta R.T. -0.00 min

Lab File: VW001882.D

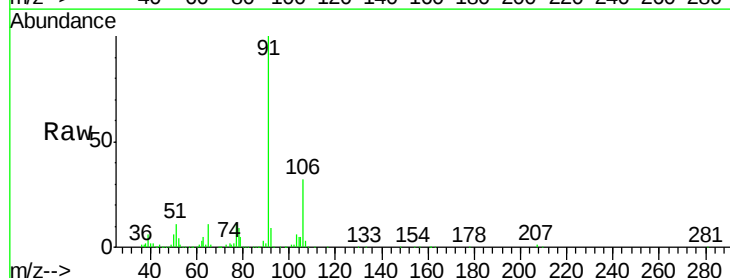
Acq: 05 Apr 2018 17:51

Tgt Ion: 91 Resp: 63703

Ion Ratio Lower Upper

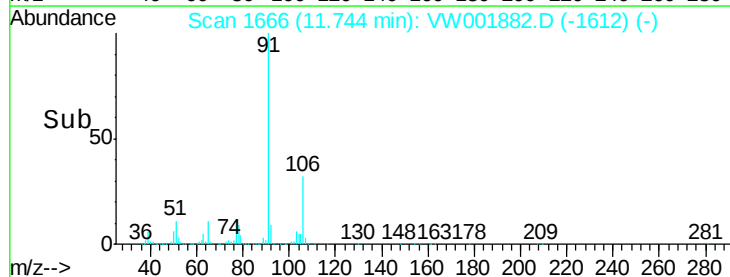
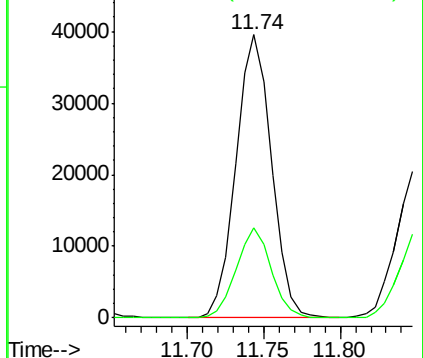
91 100

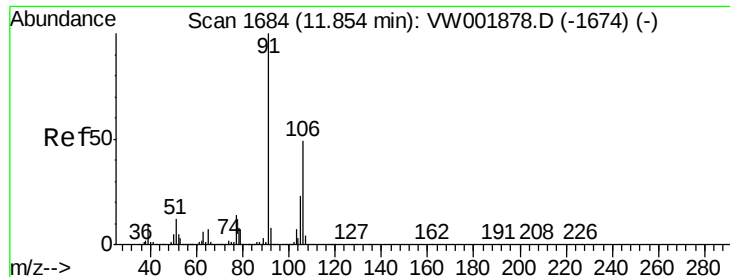
106 31.7 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 2.15 ug/L

RT: 11.85 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

Instrument :

MSVOA_W

ClientSampleId :

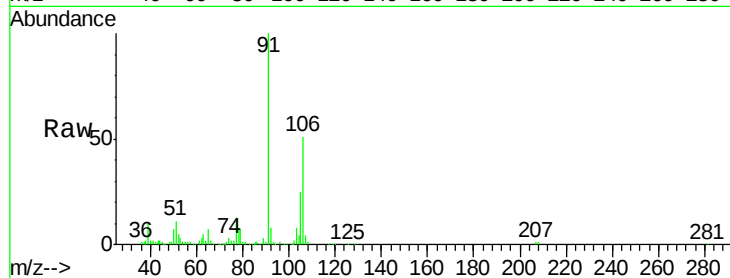
VSTD2.586

Tgt Ion:106 Resp: 23122

Ion Ratio Lower Upper

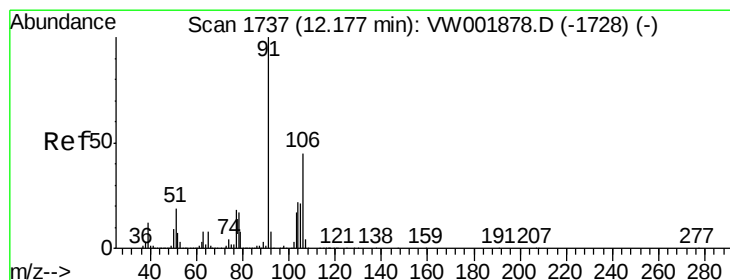
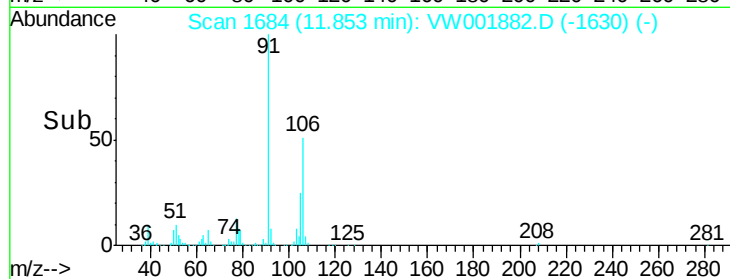
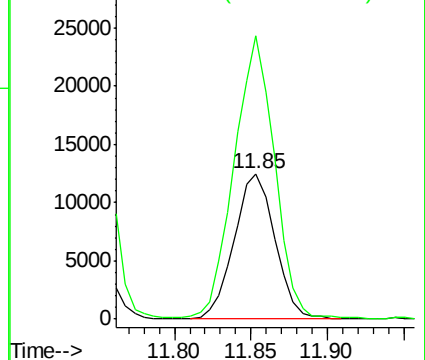
106 100

91 194.8 142.9 265.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 2.03 ug/L

RT: 12.18 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VW001882.D

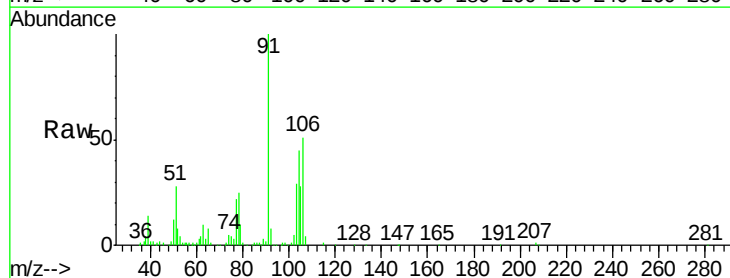
Acq: 05 Apr 2018 17:51

Tgt Ion:106 Resp: 19985

Ion Ratio Lower Upper

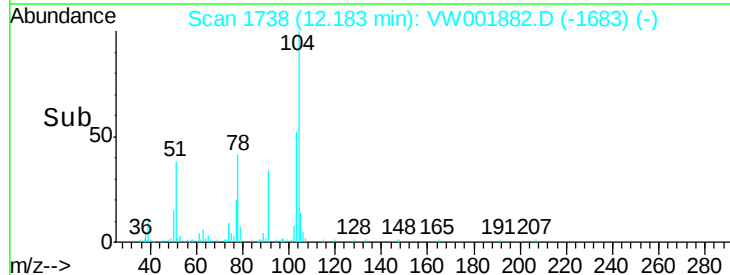
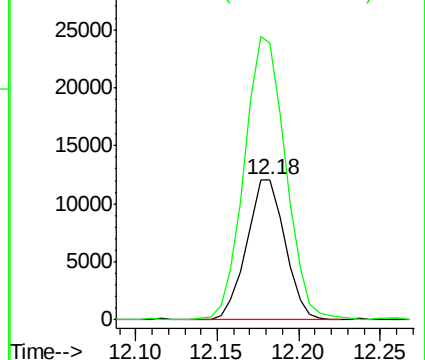
106 100

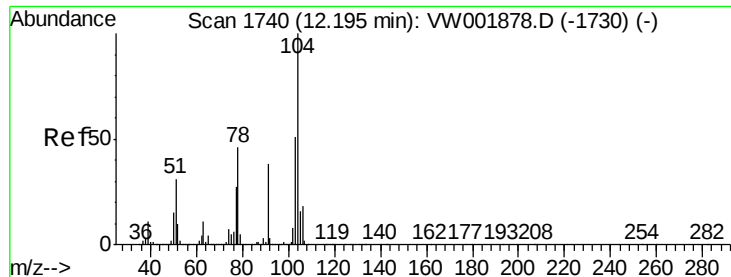
91 197.2 155.2 288.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 1.98 ug/L

RT: 12.19 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

Instrument :

MSVOA_W

ClientSampleId :

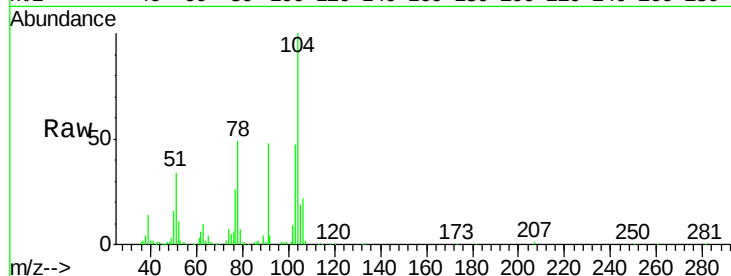
VSTD2.586

Tgt Ion:104 Resp: 33378

Ion Ratio Lower Upper

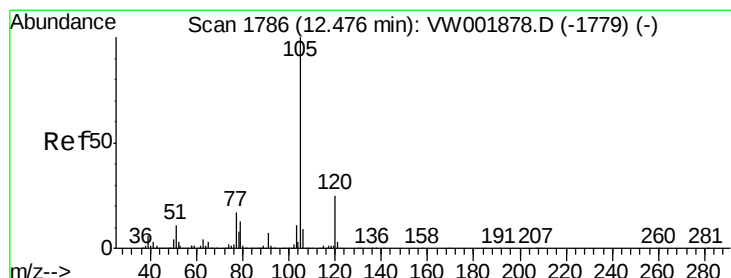
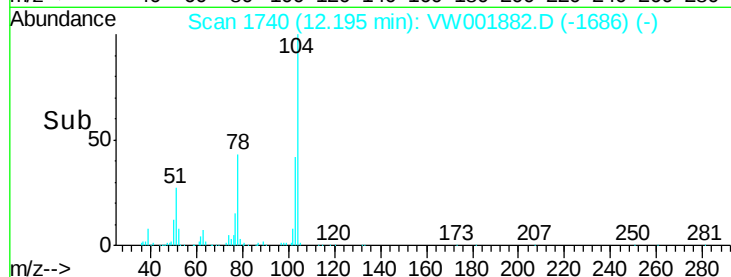
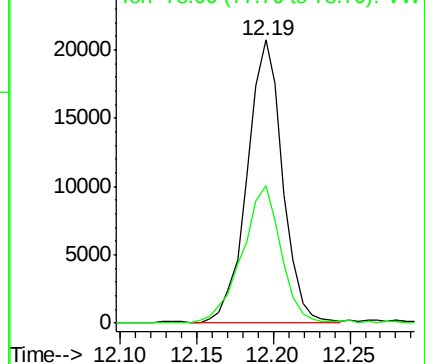
104 100

78 48.8 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 1.96 ug/L

RT: 12.48 min Scan# 1787

Delta R.T. 0.01 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

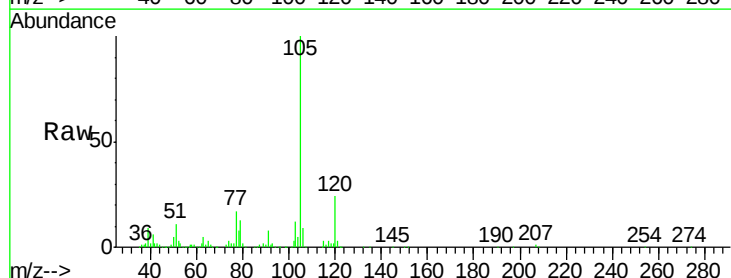
Tgt Ion:105 Resp: 52396

Ion Ratio Lower Upper

105 100

120 26.7 20.7 31.1

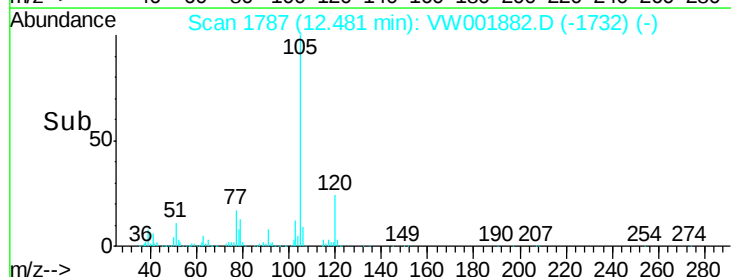
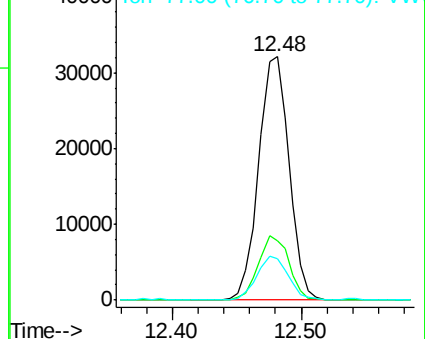
77 18.6 13.4 20.0

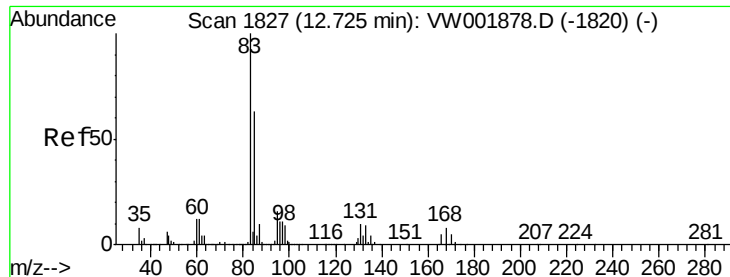


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#58

1,1,2,2-Tetrachloroethane

Concen: 2.19 ug/L

RT: 12.73 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.586

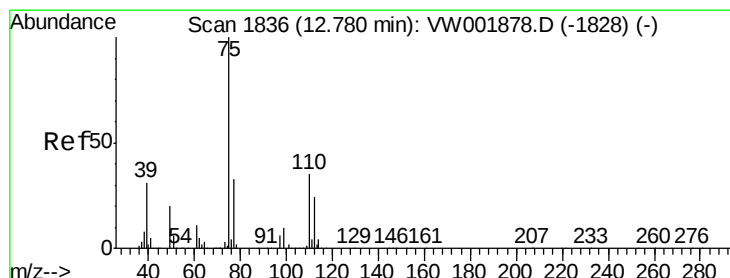
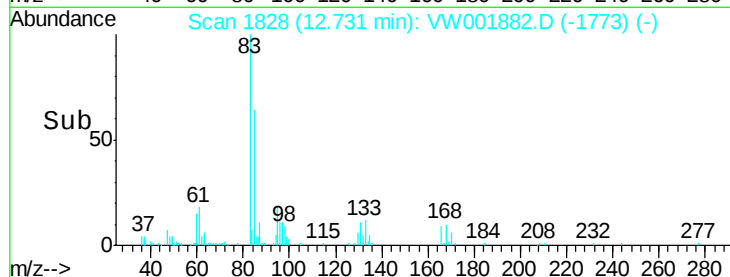
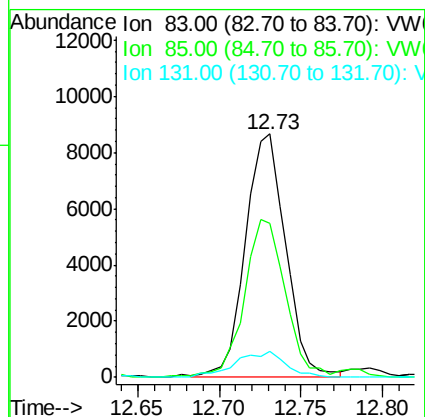
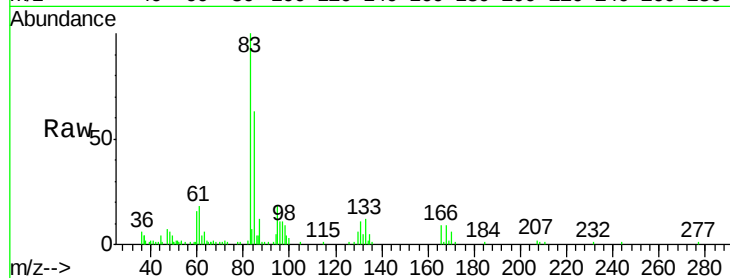
Tgt Ion: 83 Resp: 14926

Ion Ratio Lower Upper

83 100

85 63.3 44.0 81.6

131 10.8 8.0 12.0



#59

1,2,3-Trichloropropane

Concen: 2.18 ug/L

RT: 12.79 min Scan# 1837

Delta R.T. 0.01 min

Lab File: VW001882.D

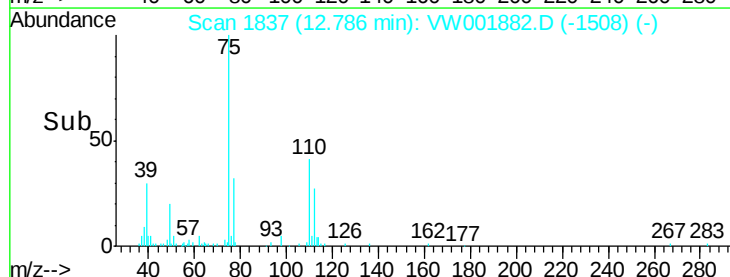
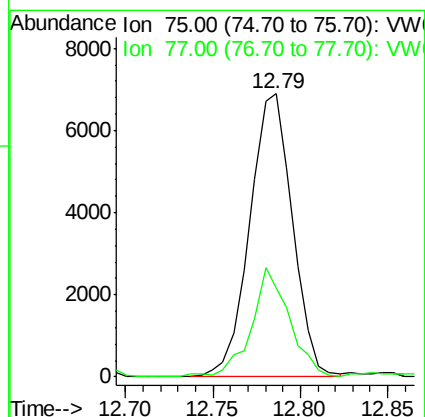
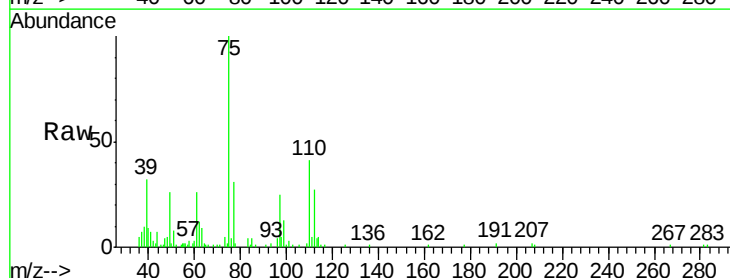
Acq: 05 Apr 2018 17:51

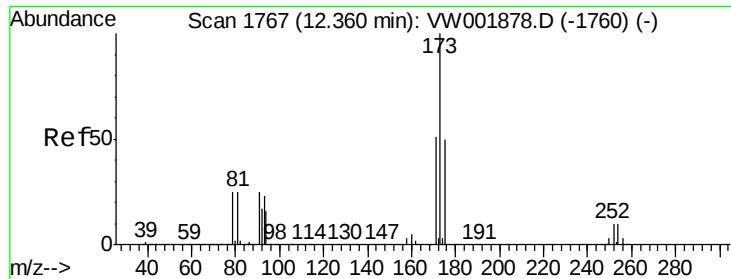
Tgt Ion: 75 Resp: 11734

Ion Ratio Lower Upper

75 100

77 33.7 26.5 39.7





#62

Bromoform

Concen: 2.41 ug/L

RT: 12.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.586

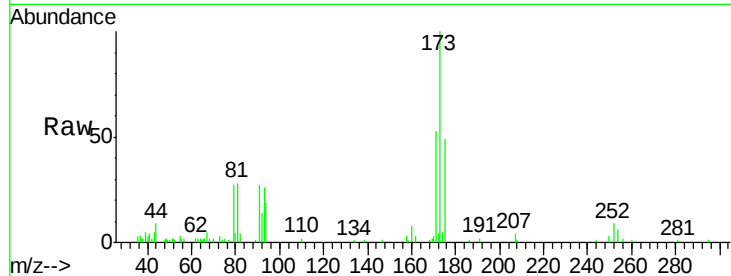
Tgt Ion:173 Resp: 8175

Ion Ratio Lower Upper

173 100

175 48.7 39.6 59.4

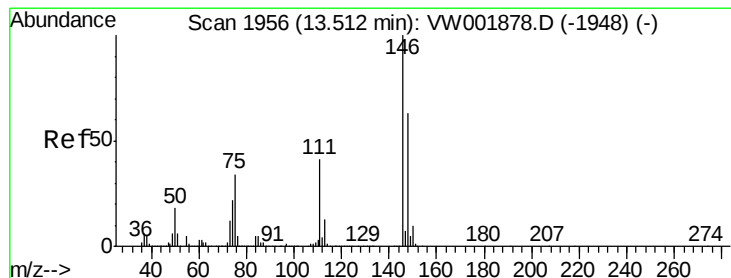
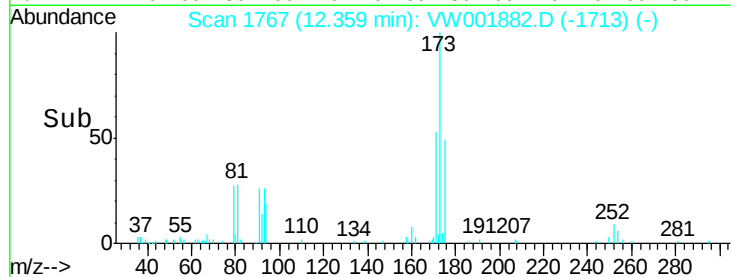
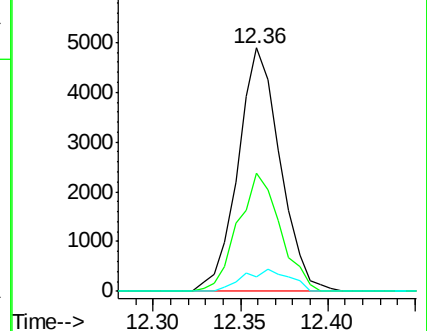
254 10.1 8.1 12.1



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 2.54 ug/L

RT: 13.52 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

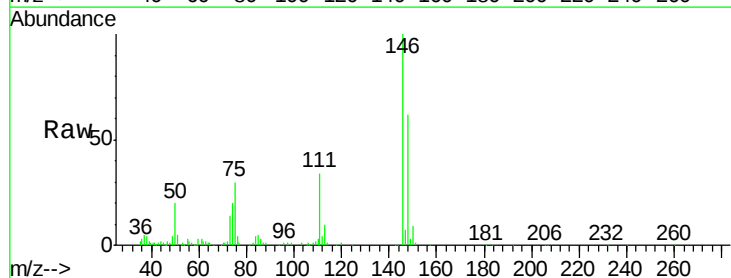
Tgt Ion:146 Resp: 29468

Ion Ratio Lower Upper

146 100

111 34.0 28.8 53.4

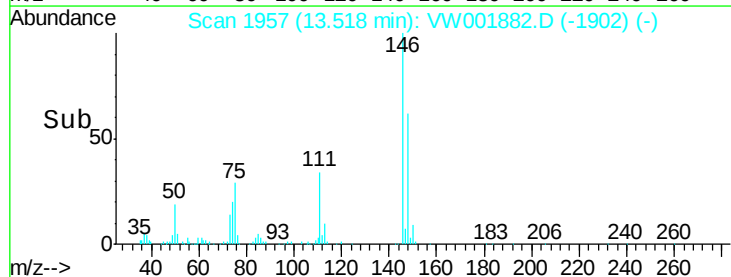
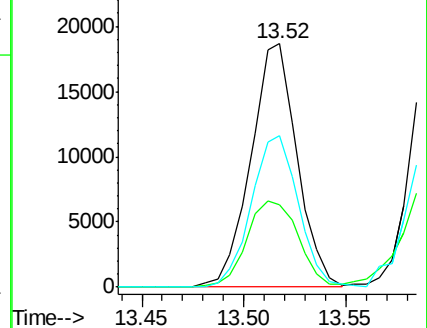
148 62.1 44.4 82.4

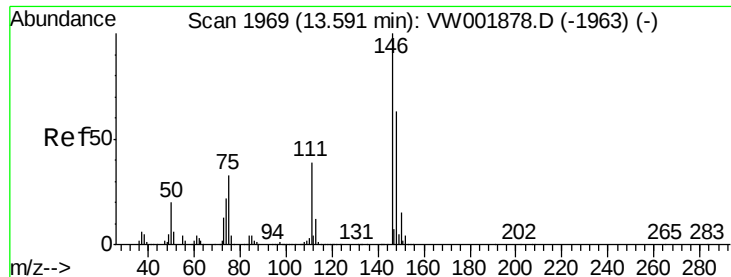


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

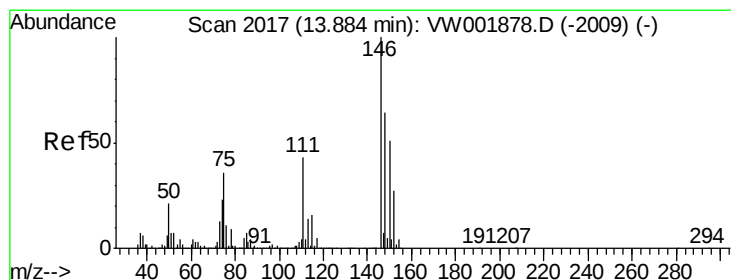
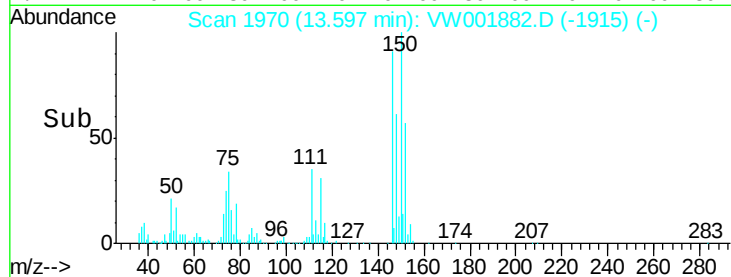
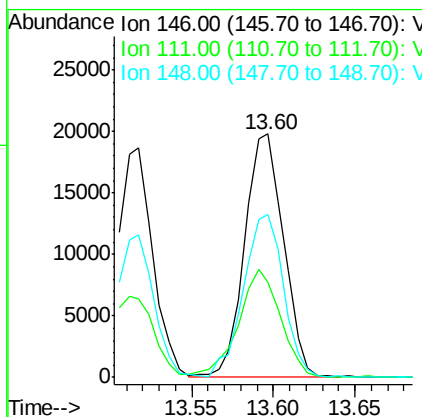
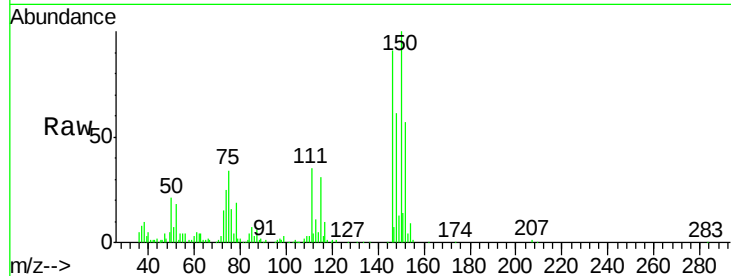




#64
 1,4-Dichlorobenzene
 Concen: 2.61 ug/L
 RT: 13.60 min Scan# 1970
 Delta R.T. 0.01 min
 Lab File: VW001882.D
 Acq: 05 Apr 2018 17:51

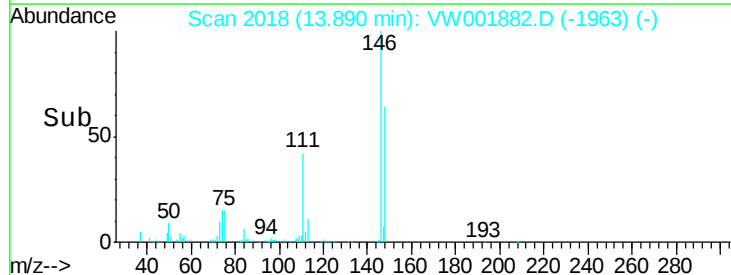
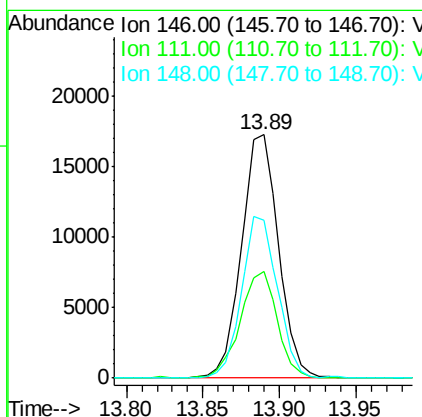
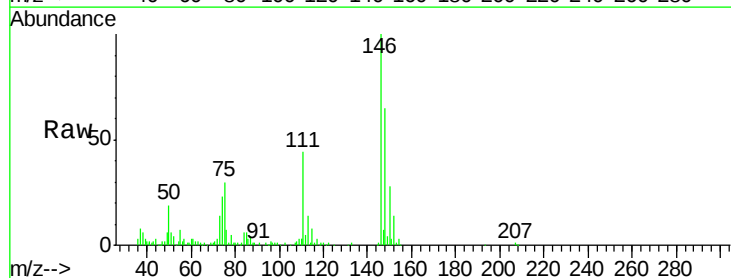
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.586

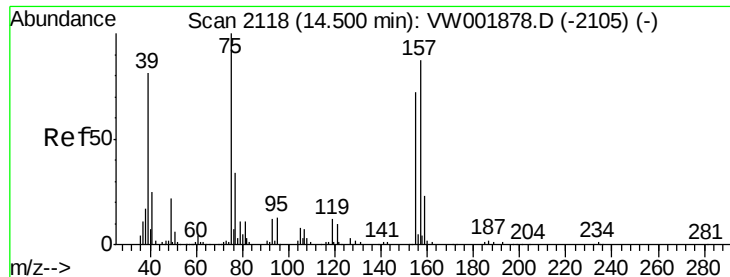
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	27.6	51.2
148	67.0	44.3	82.3



#65
 1,2-Dichlorobenzene
 Concen: 2.52 ug/L
 RT: 13.89 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: VW001882.D
 Acq: 05 Apr 2018 17:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	34.4	51.6
148	64.6	51.2	76.8





#66

1,2-Dibromo-3-chloropropane

Concen: 2.39 ug/L

RT: 14.51 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.586

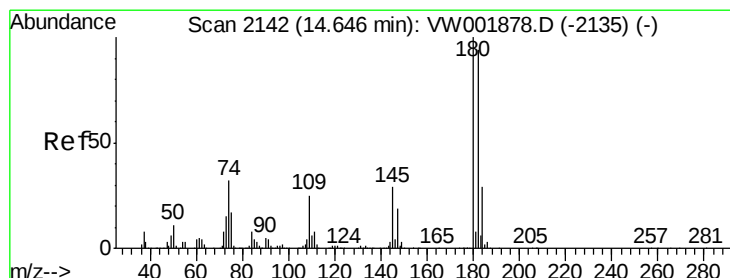
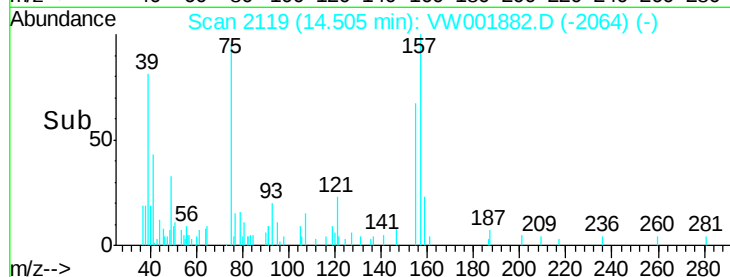
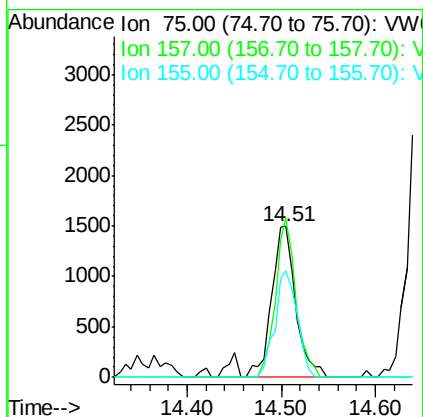
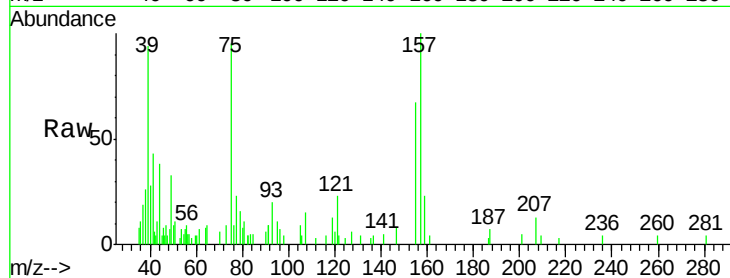
Tgt Ion: 75 Resp: 2912

Ion Ratio Lower Upper

75 100

157 105.7 69.5 104.3#

155 70.9 57.4 86.0



#67

1,3,5-Trichlorobenzene

Concen: 2.45 ug/L

RT: 14.65 min Scan# 2143

Delta R.T. 0.01 min

Lab File: VW001882.D

Acq: 05 Apr 2018 17:51

Tgt Ion: 180 Resp: 22176

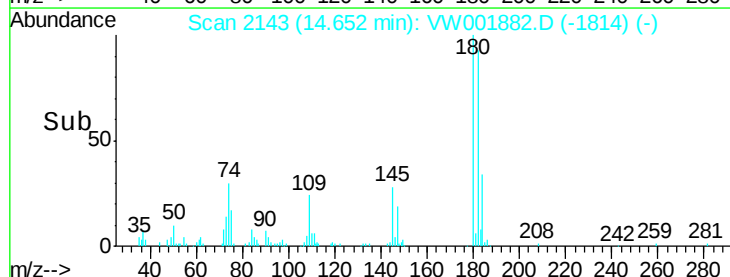
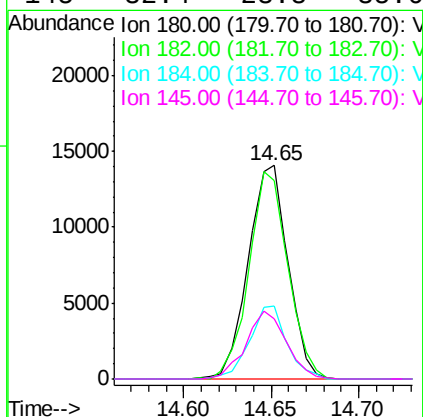
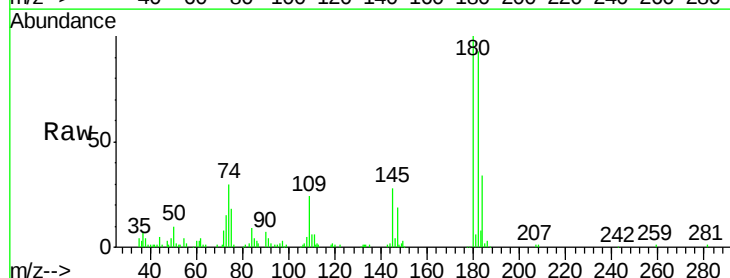
Ion Ratio Lower Upper

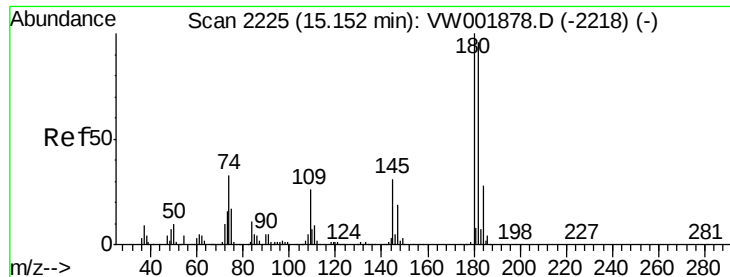
180 100

182 95.4 75.9 113.9

184 32.5 24.1 36.1

145 32.4 23.8 35.6

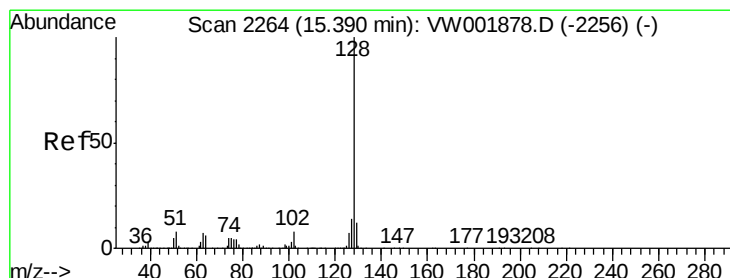
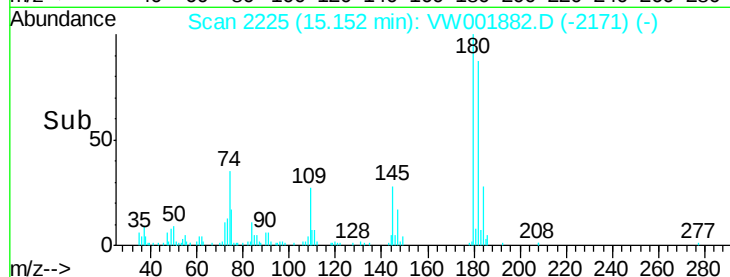
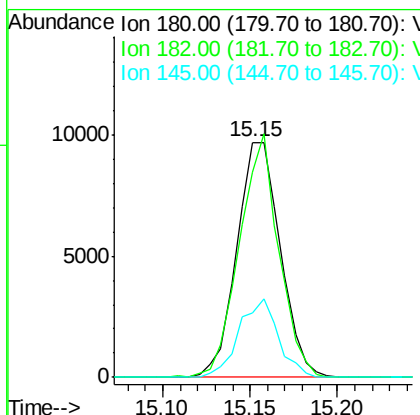
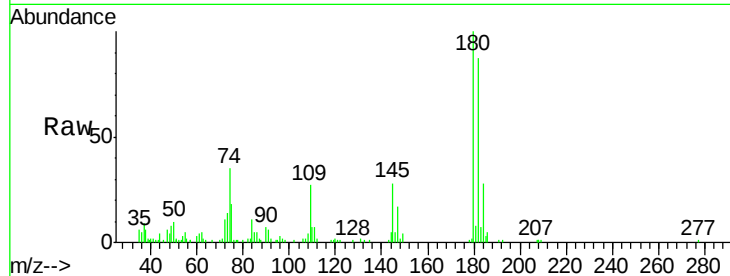




#68
 1,2,4-trichlorobenzene
 Concen: 2.34 ug/L
 RT: 15.15 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: VW001882.D
 Acq: 05 Apr 2018 17:51

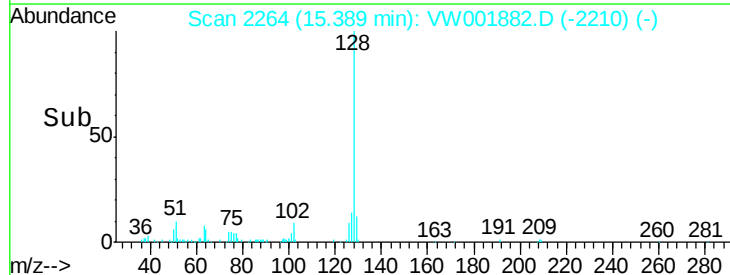
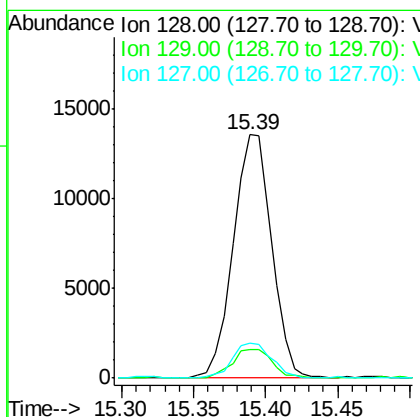
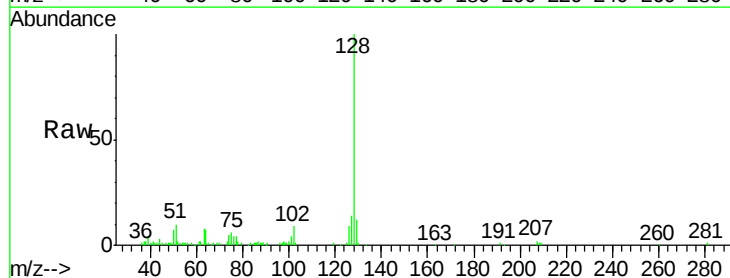
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.586

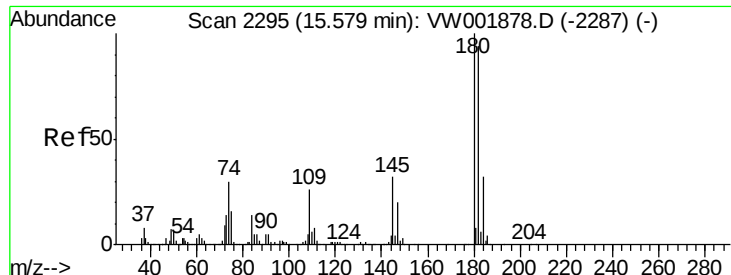
Tgt Ion:180 Resp: 16790
 Ion Ratio Lower Upper
 180 100
 182 93.3 77.1 115.7
 145 30.3 24.6 36.8



#69
 Naphthalene
 Concen: 1.73 ug/L
 RT: 15.39 min Scan# 2264
 Delta R.T. -0.00 min
 Lab File: VW001882.D
 Acq: 05 Apr 2018 17:51

Tgt Ion:128 Resp: 25155
 Ion Ratio Lower Upper
 128 100
 129 12.4 8.8 13.2
 127 14.7 11.0 16.4

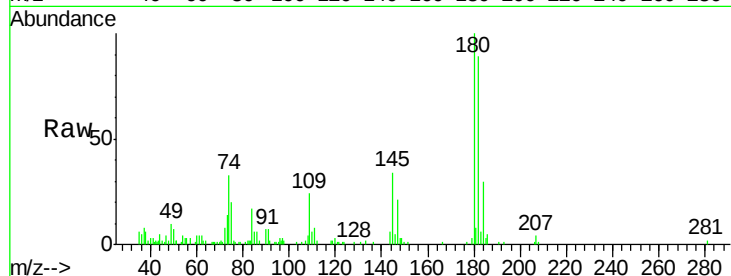




#70
 1,2,3-Trichlorobenzene
 Concen: 2.24 ug/L
 RT: 15.58 min Scan# 2295
 Delta R.T. -0.00 min
 Lab File: VW001882.D
 Acq: 05 Apr 2018 17:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.586

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.8	113.8
145	34.5	25.9	38.9



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

