

Data File : VW001878.D

Acq On : 05 Apr 2018 13:58

Operator : JC/SY

Sample : VSTD02583

Misc : 5.00G/10ML/MSVOA_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

Quant Time: Apr 05 14:59:31 2018

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

Quant Title : VOC Analysis

QLast Update : Thu Apr 05 14:54:56 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	442301	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	441498	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	222820	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	135289	18.70	ug/L	0.00
7) Chloroethane-d5	2.89	69	105742	19.81	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	307505	20.34	ug/L	0.00
20) 2-Butanone-d5	7.09	46	68768	82.93	ug/L	0.00
24) Chloroform-d	7.65	84	272182	19.27	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	174160	20.93	ug/L	0.00
29) Benzene-d6	8.28	84	585016	21.43	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	188107	20.90	ug/L	0.00
37) Toluene-d8	10.34	98	557240	22.51	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	81549	21.99	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	76507	59.82	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.71	84	170352	22.02	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	195933	21.99	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	228139	23.32	ug/L	99
3) Chloromethane	2.22	50	201863	20.25	ug/L	99
5) Vinyl chloride	2.36	62	188606	22.65	ug/L	97
6) Bromomethane	2.78	94	80544	23.97	ug/L	100
8) Chloroethane	2.92	64	98949	21.99	ug/L	94
9) Trichlorofluoromethane	3.26	101	263731	21.95	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	170624	23.57	ug/L	98
12) 1,1-Dichloroethene	4.03	96	142841	22.27	ug/L	95
13) Acetone	4.13	43	77268	31.49	ug/L	99
14) Carbon disulfide	4.37	76	536561	23.15	ug/L	100
15) Methyl Acetate	4.68	43	93379	22.44	ug/L	97
16) Methylene chloride	4.92	84	178265	19.58	ug/L	98
17) Methyl tert-butyl Ether	5.44	73	335935	23.63	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	155540	23.13	ug/L	100
19) 1,1-Dichloroethane	6.22	63	300341	23.03	ug/L	99
21) 2-Butanone	7.18	43	114156	39.97	ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	161140	23.49	ug/L	98
23) Bromochloromethane	7.52	128	74388	24.69	ug/L	95
25) Chloroform	7.68	83	329184	24.08	ug/L	99
27) 1,2-Dichloroethane	8.40	62	215742	22.37	ug/L	99
30) Cyclohexane	7.96	56	278504	25.11	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	262141	22.57	ug/L	99
32) Carbon tetrachloride	8.07	117	241476	22.87	ug/L	99
34) Benzene	8.33	78	667127	23.33	ug/L	100
35) Trichloroethene	9.10	95	170634	22.30	ug/L	99
36) Methylcyclohexane	9.34	83	294307	24.53	ug/L	99
40) 1,2-Dichloropropane	9.38	63	179053	22.69	ug/L	99
41) Bromodichloromethane	9.65	83	214418	21.76	ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	251455	23.69	ug/L	97
43) 4-Methyl-2-pentanone	10.22	43	252285	46.39	ug/L	100

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Quant Title : VOC Analysis
QLast Update : Thu Apr 05 14:54:56 2018
Response via : Initial Calibration

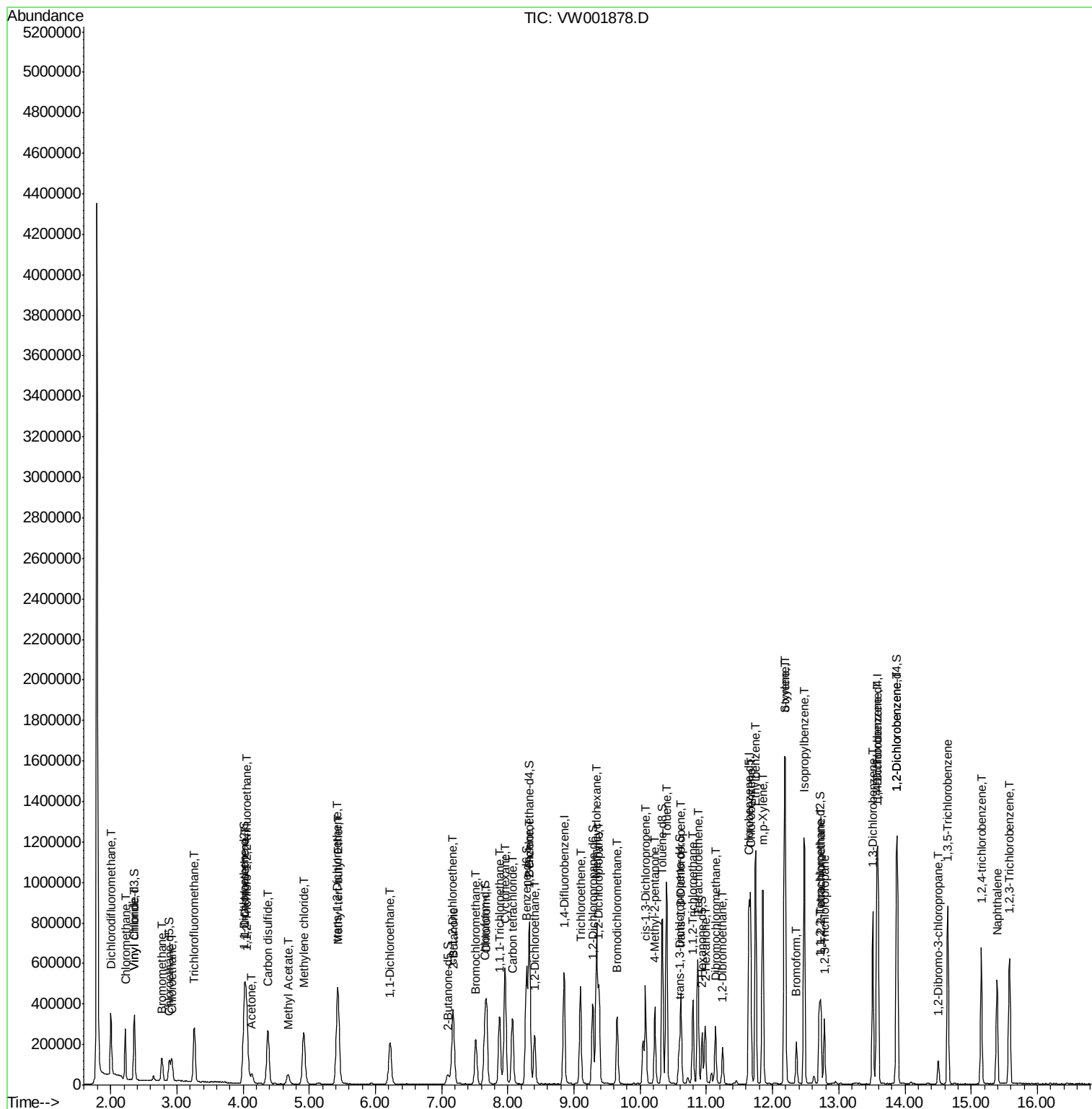
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.40	91	711360	24.02	ug/L	100
45) trans-1,3-Dichloropropene	10.62	75	228651	24.11	ug/L	99
46) 1,1,2-Trichloroethane	10.80	97	129097	22.05	ug/L	96
47) Tetrachloroethene	10.87	164	135924	22.87	ug/L	98
49) 2-Hexanone	10.98	43	185543	46.98	ug/L	99
50) Dibromochloromethane	11.14	129	149399	22.12	ug/L	99
51) 1,2-Dibromoethane	11.24	107	117074	22.37	ug/L	95
52) Chlorobenzene	11.66	112	443591	22.91	ug/L	97
53) Ethylbenzene	11.74	91	783884	24.12	ug/L	99
54) m,p-Xylene	11.85	106	298328	25.01	ug/L	99
55) o-xylene	12.18	106	272963	24.45	ug/L	98
56) Styrene	12.20	104	476043	24.44	ug/L	99
57) Isopropylbenzene	12.48	105	746574	24.96	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.73	83	170074	22.62	ug/L	95
59) 1,2,3-Trichloropropane	12.78	75	132785	22.83	ug/L	99
62) Bromoform	12.36	173	91431	22.29	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	327054	23.02	ug/L	99
64) 1,4-Dichlorobenzene	13.59	146	359366	23.10	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	333512	23.64	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.50	75	30328	21.60	ug/L	97
67) 1,3,5-Trichlorobenzene	14.65	180	256641	23.24	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	206916	24.02	ug/L	98
69) Naphthalene	15.39	128	413153	24.42	ug/L	100
70) 1,2,3-Trichlorobenzene	15.58	180	205757	24.87	ug/L	98

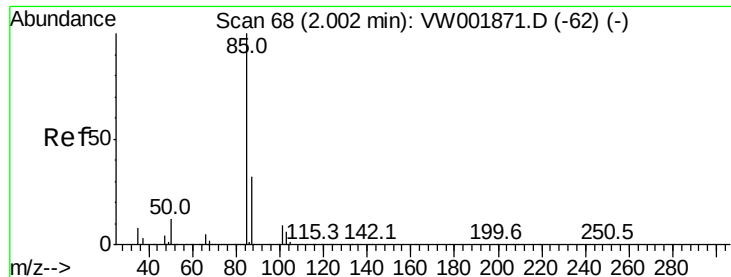
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.32 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

Instrument :

MSVOA_W

ClientSampleId :

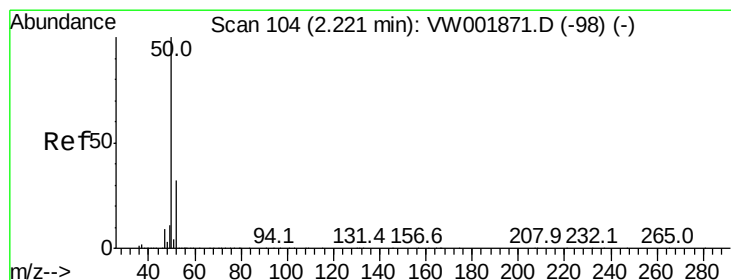
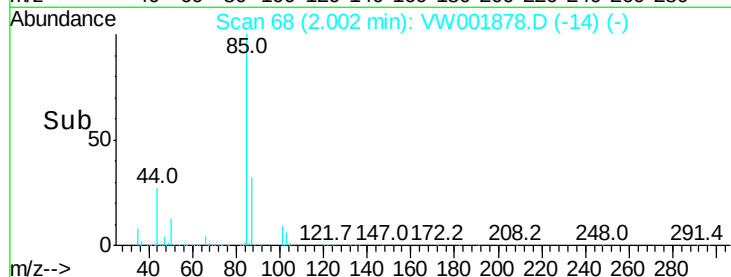
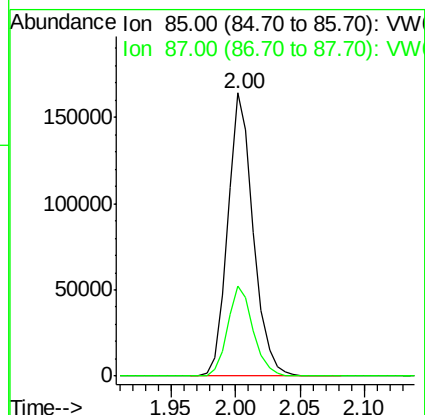
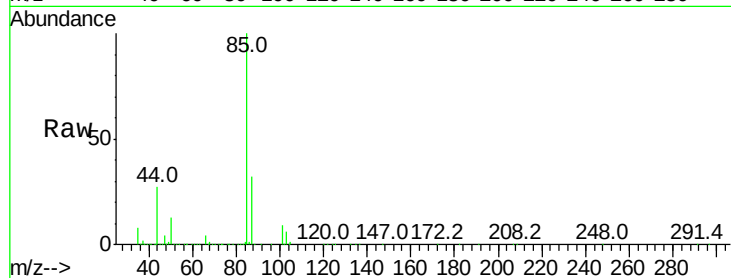
VSTD02583

Tgt Ion: 85 Resp: 228139

Ion Ratio Lower Upper

85 100

87 31.9 22.7 42.1



#3

Chloromethane

Concen: 20.25 ug/L

RT: 2.22 min Scan# 104

Delta R.T. 0.00 min

Lab File: VW001878.D

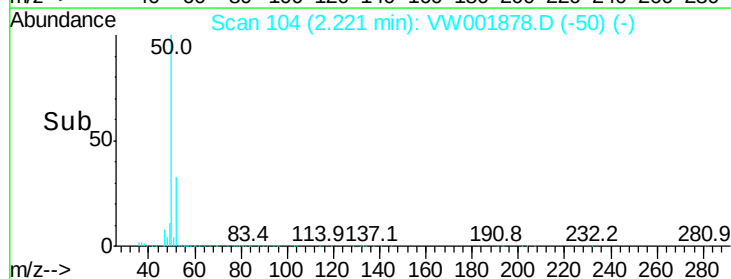
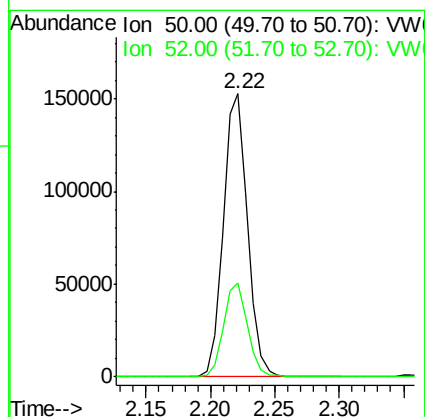
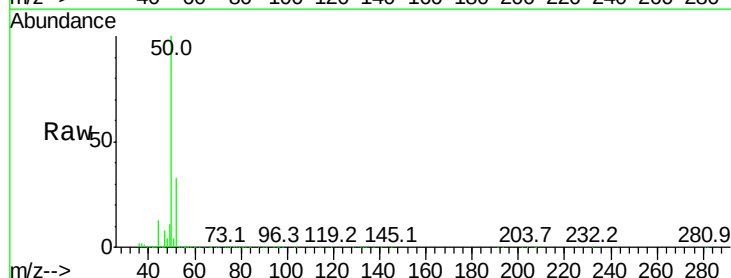
Acq: 05 Apr 2018 13:58

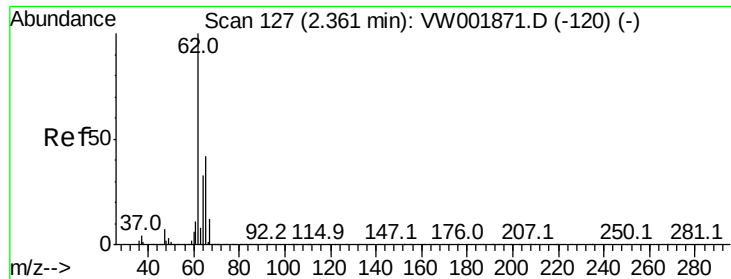
Tgt Ion: 50 Resp: 201863

Ion Ratio Lower Upper

50 100

52 33.1 22.6 42.0

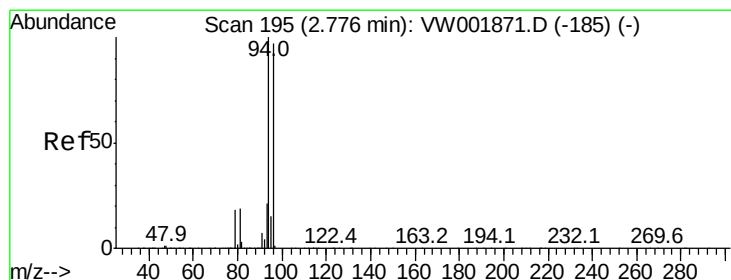
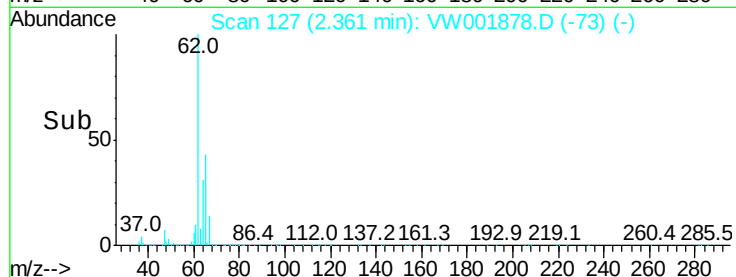
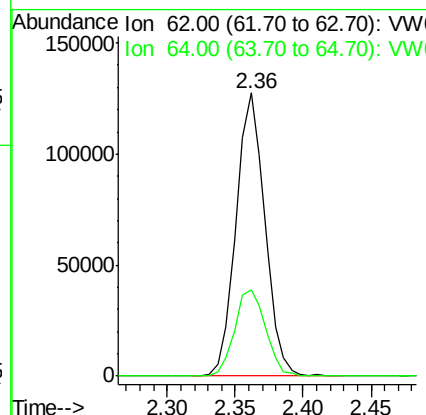
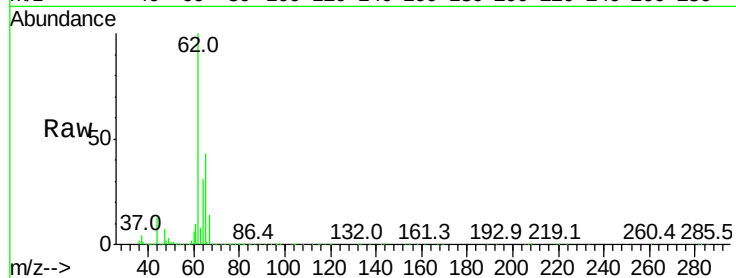




#5
 Vinyl chloride
 Concen: 22.65 ug/L
 RT: 2.36 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VW001878.D
 Acq: 05 Apr 2018 13:58

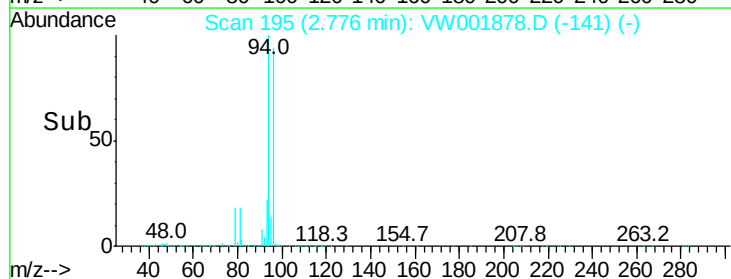
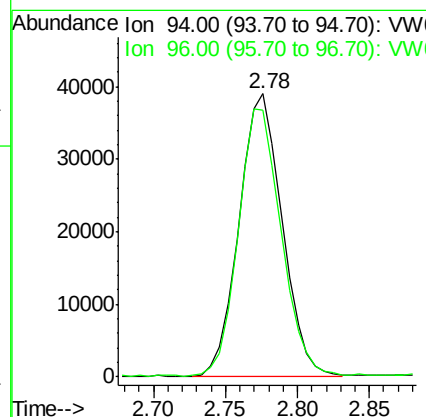
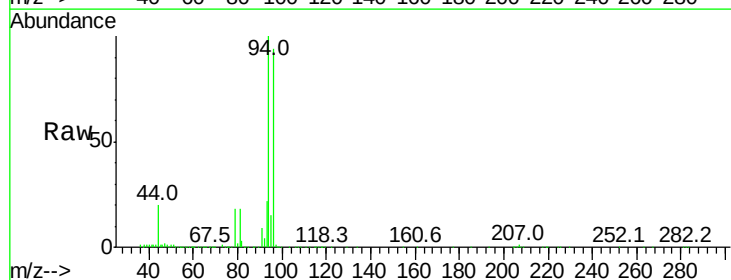
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

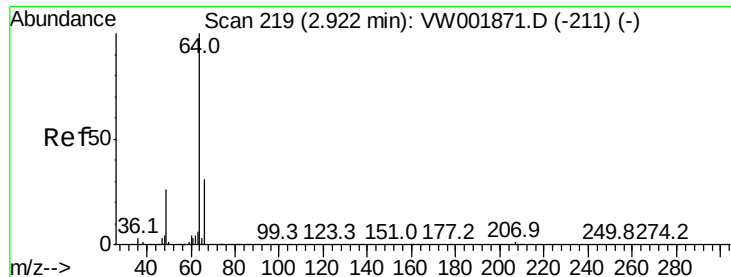
Tgt Ion: 62 Resp: 188606
 Ion Ratio Lower Upper
 62 100
 64 30.6 22.4 41.6



#6
 Bromomethane
 Concen: 23.97 ug/L
 RT: 2.78 min Scan# 195
 Delta R.T. 0.00 min
 Lab File: VW001878.D
 Acq: 05 Apr 2018 13:58

Tgt Ion: 94 Resp: 80544
 Ion Ratio Lower Upper
 94 100
 96 94.6 9.4 179.5





#8

Chloroethane

Concen: 21.99 ug/L

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

Instrument :

MSVOA_W

ClientSampleId :

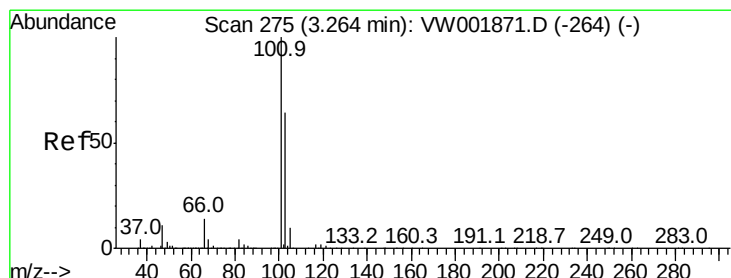
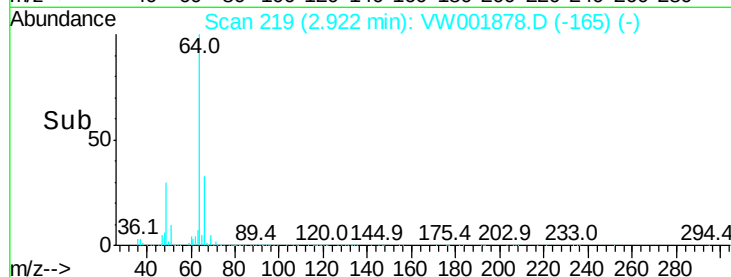
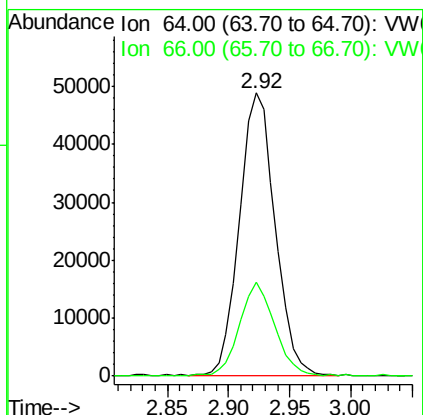
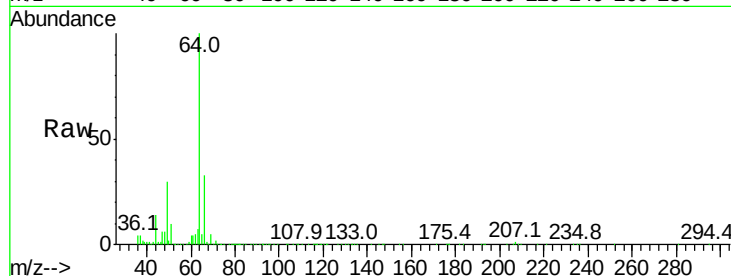
VSTD02583

Tgt Ion: 64 Resp: 98949

Ion Ratio Lower Upper

64 100

66 33.4 21.2 39.4



#9

Trichlorofluoromethane

Concen: 21.95 ug/L

RT: 3.26 min Scan# 275

Delta R.T. 0.00 min

Lab File: VW001878.D

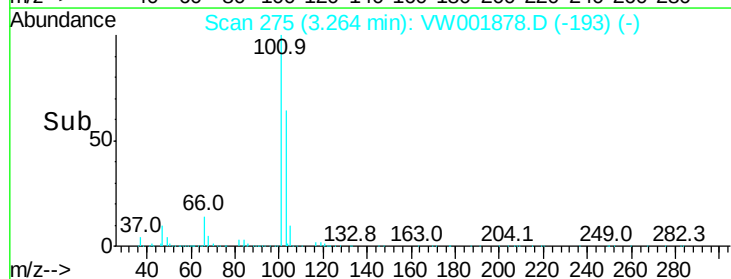
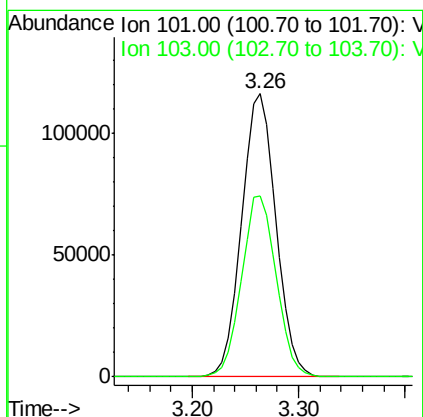
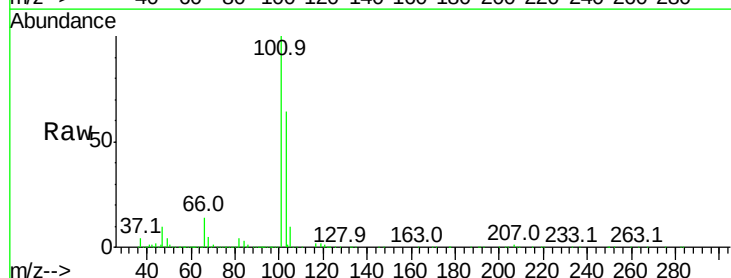
Acq: 05 Apr 2018 13:58

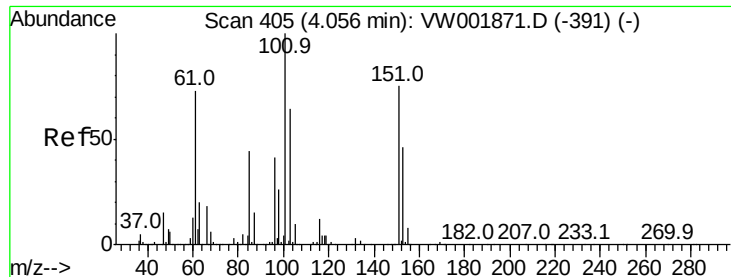
Tgt Ion: 101 Resp: 263731

Ion Ratio Lower Upper

101 100

103 64.6 44.8 83.2





#11

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

Concen: 23.57 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

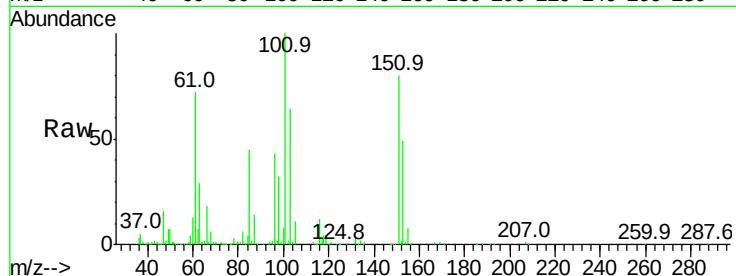
Tgt Ion: 101 Resp: 170624

Ion Ratio Lower Upper

101 100

85 44.8 35.8 53.6

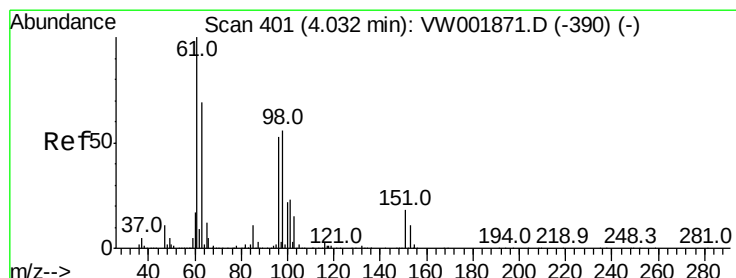
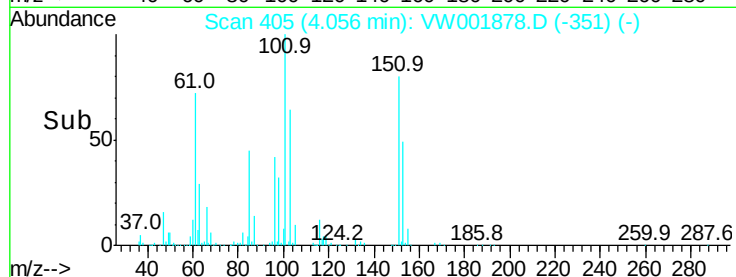
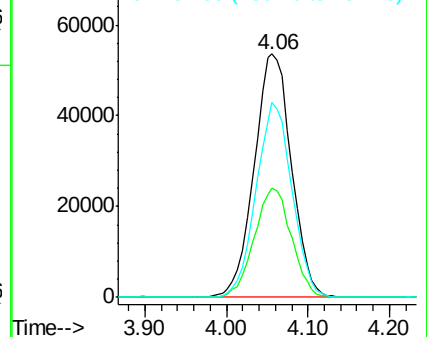
151 76.9 59.6 89.4



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: 22.27 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

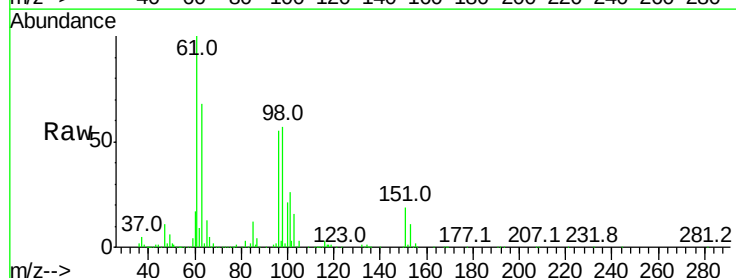
Tgt Ion: 96 Resp: 142841

Ion Ratio Lower Upper

96 100

61 181.6 124.6 231.4

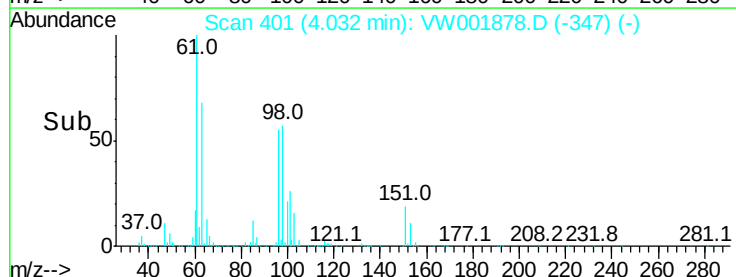
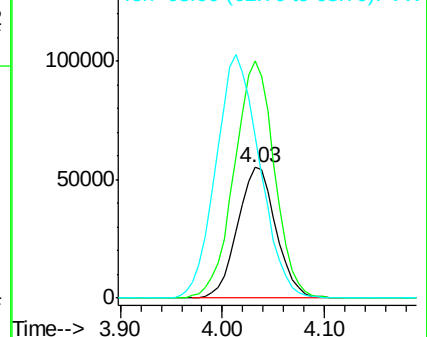
63 123.6 79.0 146.6

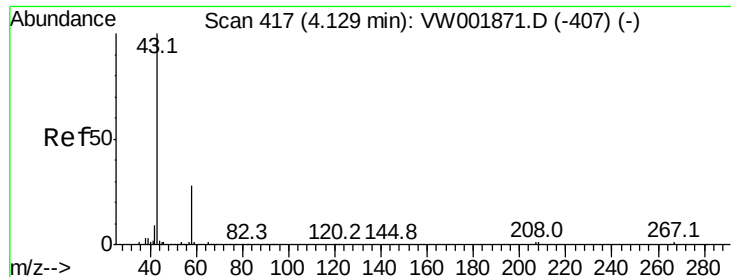


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 31.49 ug/L

RT: 4.13 min Scan# 417

Delta R.T. 0.00 min

Lab File: VW001878.D

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Instrument :

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ClientSampleId :

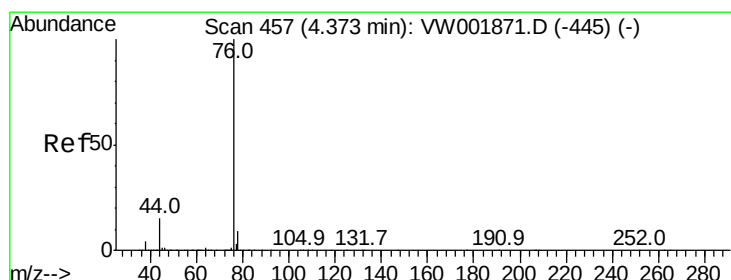
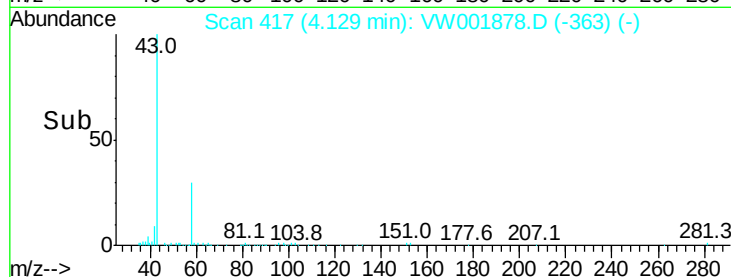
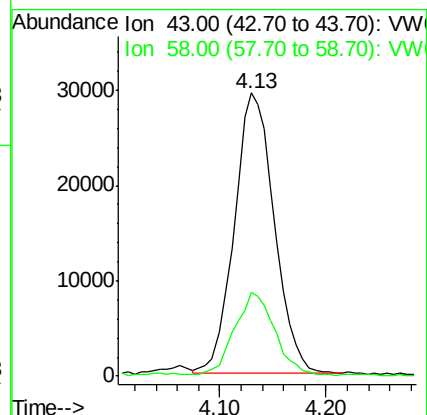
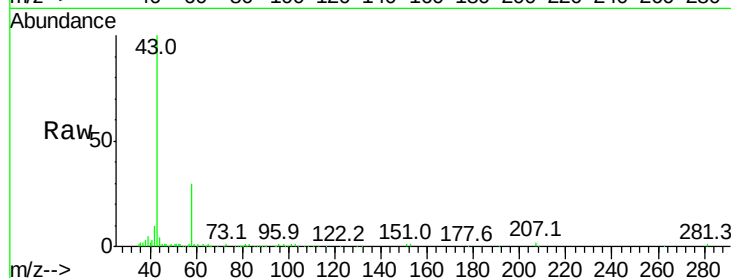
VSTD02583

Tgt Ion: 43 Resp: 77268

Ion Ratio Lower Upper

43 100

58 29.8 0.0 60.6



#14

Carbon disulfide

Concen: 23.15 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW001878.D

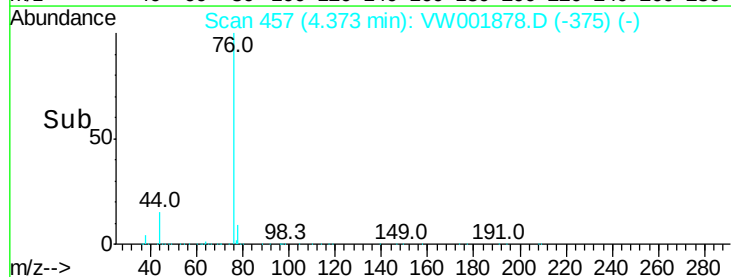
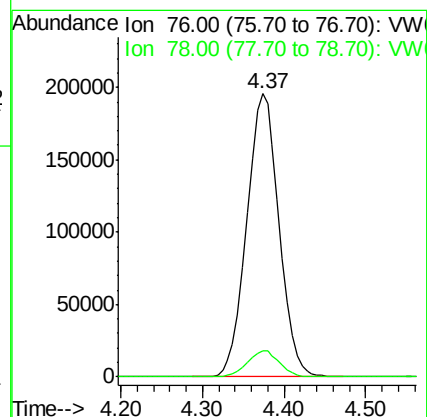
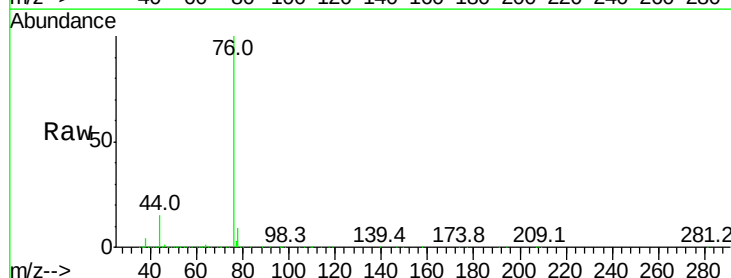
Acq: 05 Apr 2018 13:58

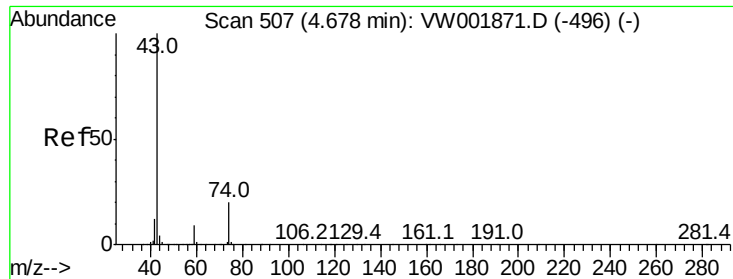
Tgt Ion: 76 Resp: 536561

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

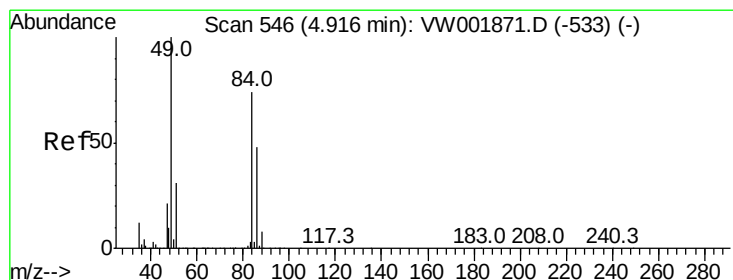
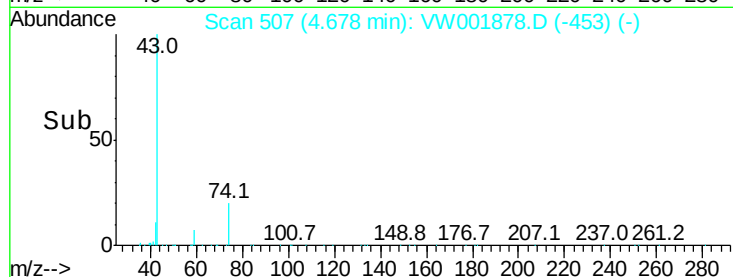
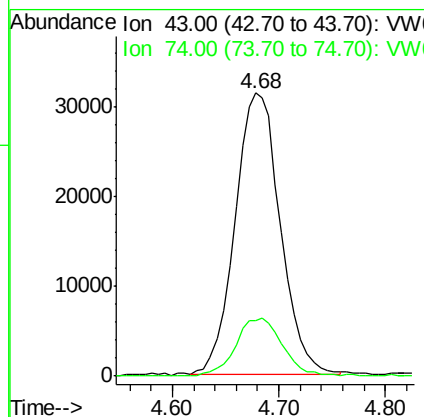
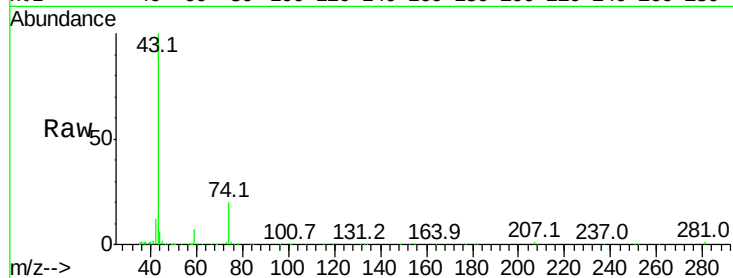




#15
Methyl Acetate
Concen: 22.44 ug/L
RT: 4.68 min Scan# 507
Delta R.T. 0.00 min
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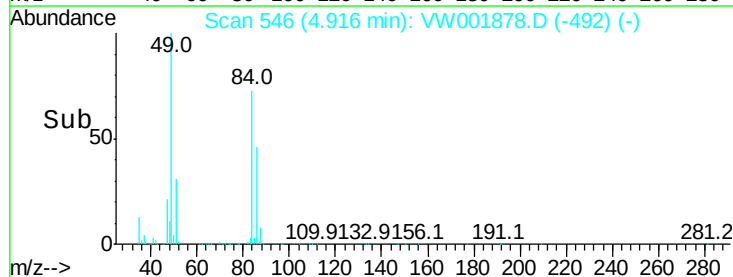
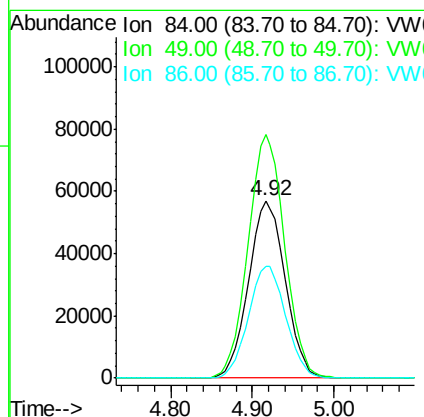
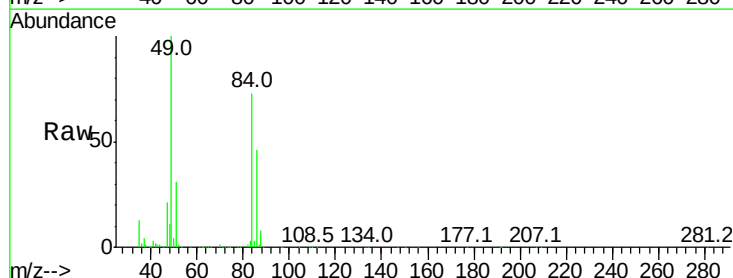
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

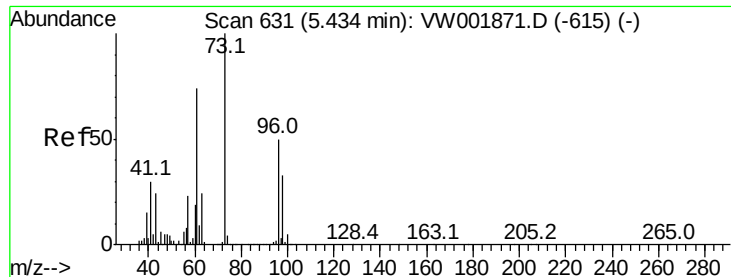
Tgt Ion: 43 Resp: 93379
Ion Ratio Lower Upper
43 100
74 21.2 15.9 23.9



#16
Methylene chloride
Concen: 19.58 ug/L
RT: 4.92 min Scan# 546
Delta R.T. 0.00 min
Lab File: VW001878.D
Acq: 05 Apr 2018 13:58

Tgt Ion: 84 Resp: 178265
Ion Ratio Lower Upper
84 100
49 137.4 93.8 174.2
86 63.0 44.4 82.4

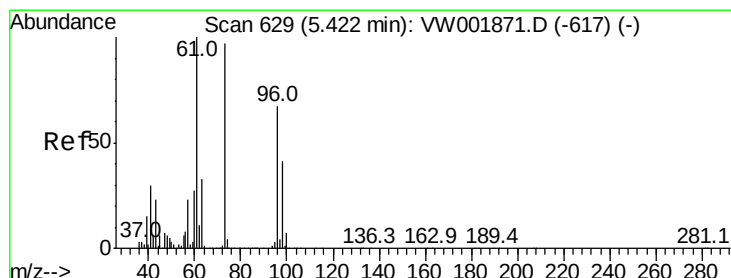
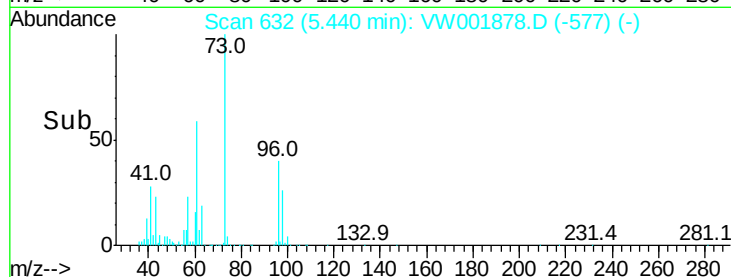
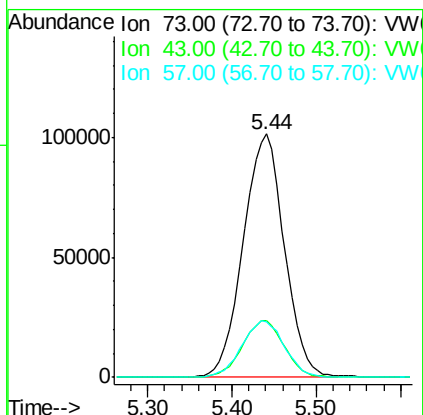
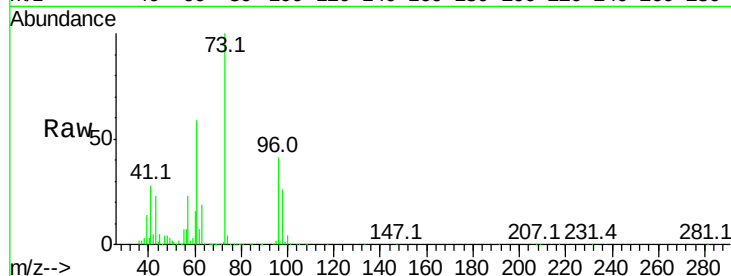




#17
Methyl tert-butyl Ether
Concen: 23.63 ug/L
RT: 5.44 min Scan# 632
Delta R.T. 0.01 min
Lab File: VW001878.D
Acq: 05 Apr 2018 13:58

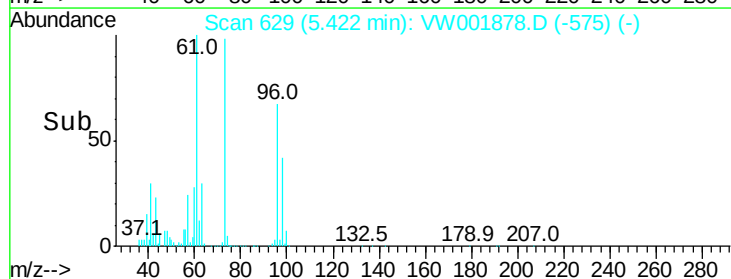
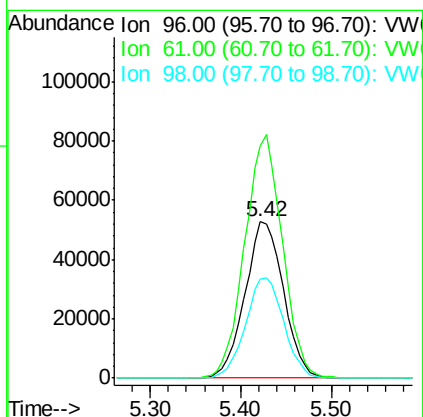
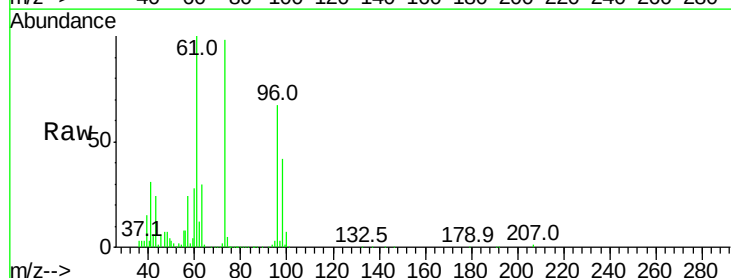
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

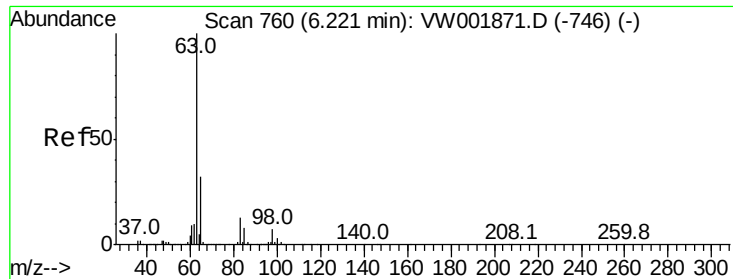
Tgt Ion: 73 Resp: 335935
Ion Ratio Lower Upper
73 100
43 23.3 19.1 28.7
57 24.2 19.5 29.3



#18
trans-1,2-Dichloroethene
Concen: 23.13 ug/L
RT: 5.42 min Scan# 629
Delta R.T. 0.00 min
Lab File: VW001878.D
Acq: 05 Apr 2018 13:58

Tgt Ion: 96 Resp: 155540
Ion Ratio Lower Upper
96 100
61 149.0 104.8 194.6
98 63.1 44.2 82.2

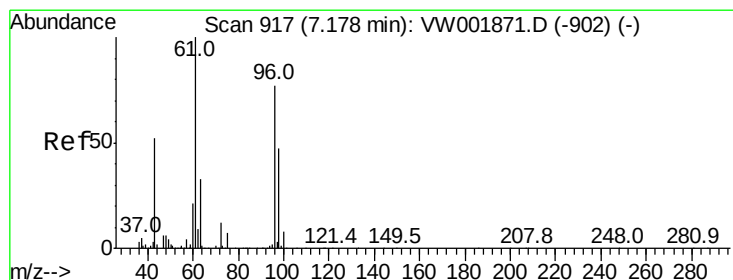
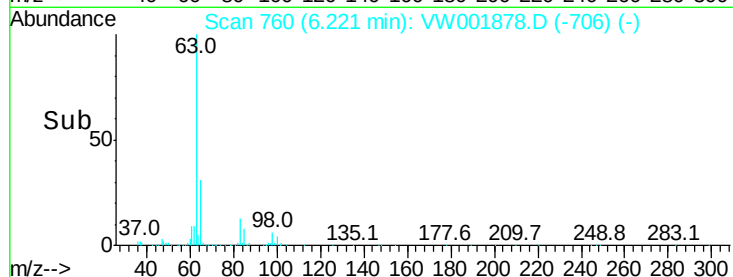
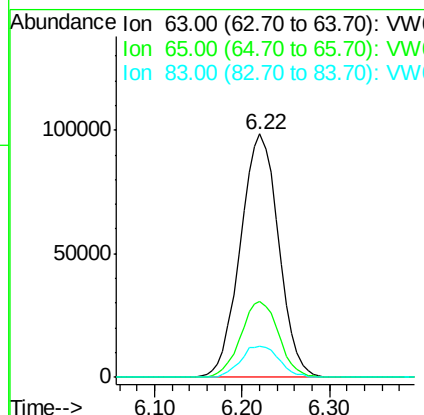
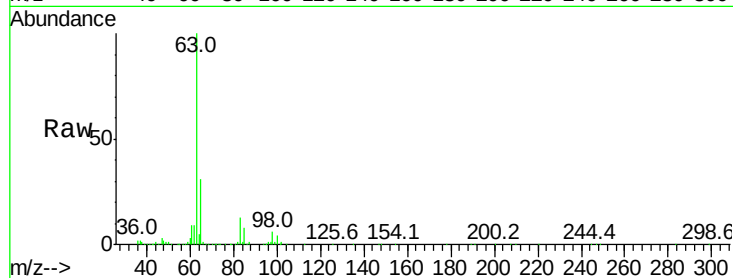




#19
 1,1-Dichloroethane
 Concen: 23.03 ug/L
 RT: 6.22 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VW001878.D
 Acq: 05 Apr 2018 13:58

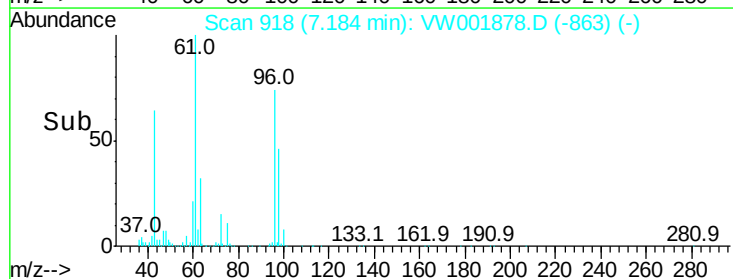
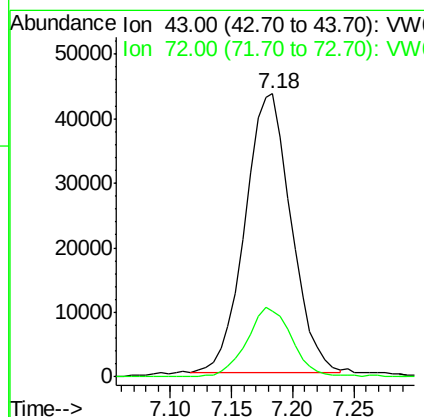
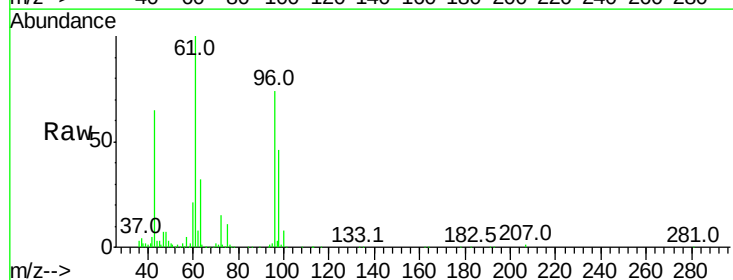
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

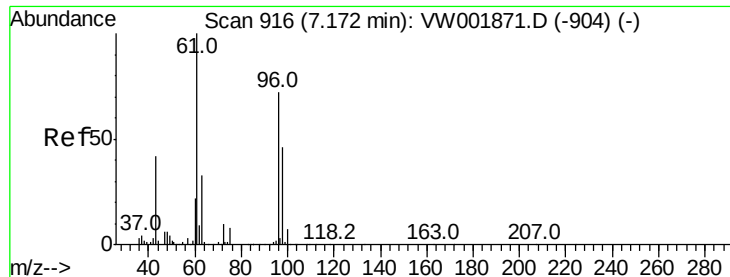
Tgt Ion: 63 Resp: 300341
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.3 39.5
 83 12.6 9.0 16.8



#21
 2-Butanone
 Concen: 39.97 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. 0.01 min
 Lab File: VW001878.D
 Acq: 05 Apr 2018 13:58

Tgt Ion: 43 Resp: 114156
 Ion Ratio Lower Upper
 43 100
 72 24.4 10.9 32.7



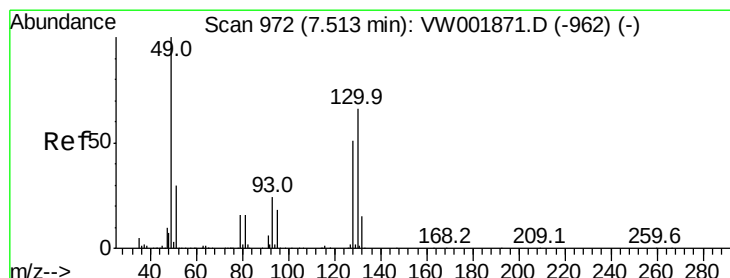
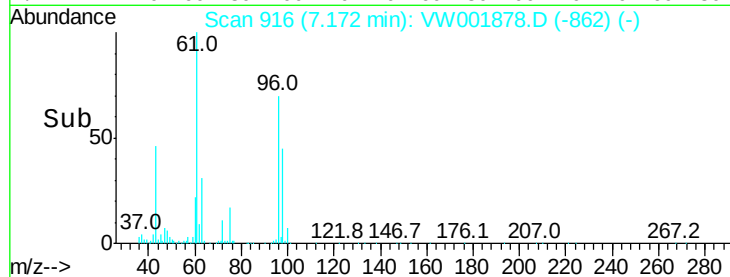
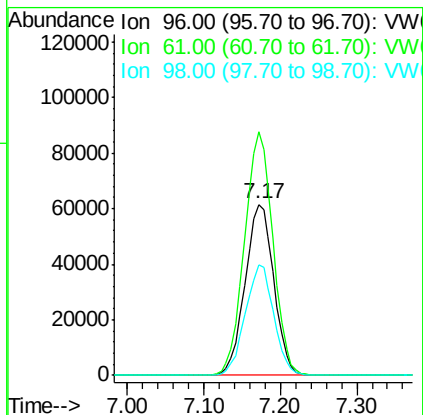
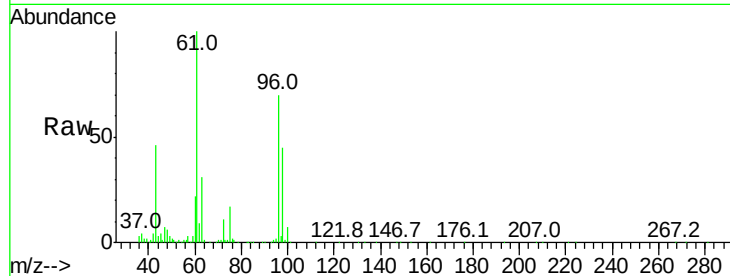


#22

cis-1,2-Dichloroethene
 Concen: 23.49 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW001878.D
 Acq: 05 Apr 2018 13:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

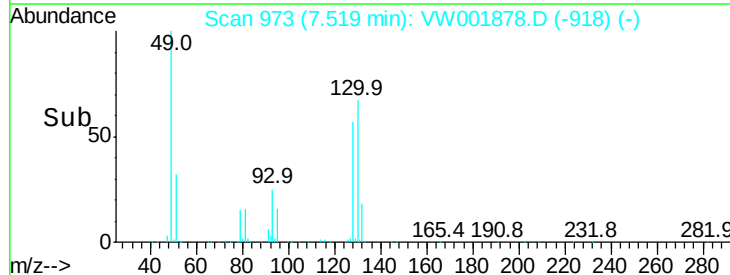
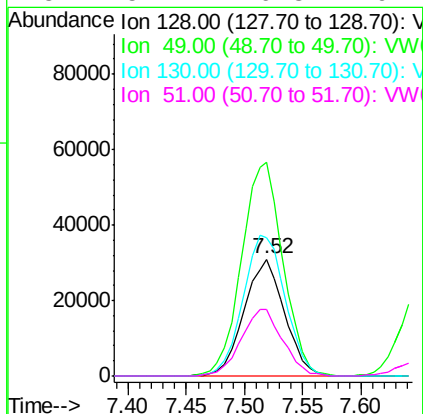
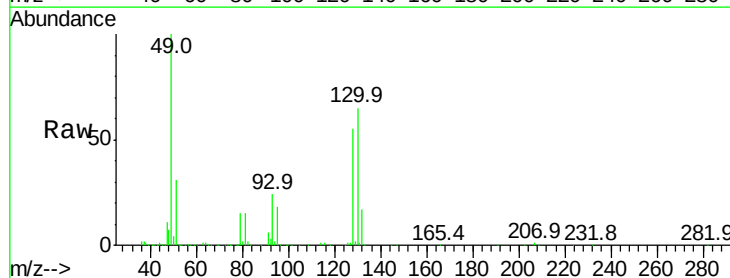
Tgt Ion: 96 Resp: 161140
 Ion Ratio Lower Upper
 96 100
 61 142.2 101.0 187.6
 98 64.6 47.2 87.6

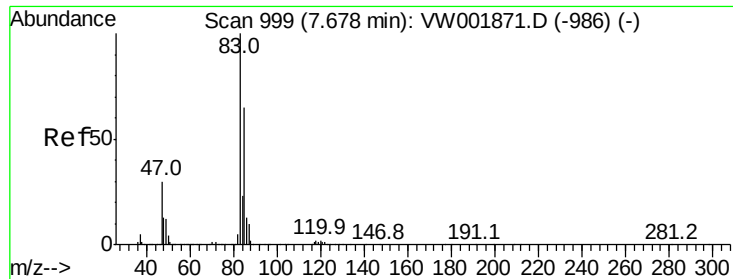


#23

Bromochloromethane
 Concen: 24.69 ug/L
 RT: 7.52 min Scan# 973
 Delta R.T. 0.01 min
 Lab File: VW001878.D
 Acq: 05 Apr 2018 13:58

Tgt Ion: 128 Resp: 74388
 Ion Ratio Lower Upper
 128 100
 49 182.7 130.2 241.8
 130 118.4 92.4 171.6
 51 57.1 46.8 70.2





#25

Chloroform

Concen: 24.08 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

Instrument :

MSVOA_W

ClientSampleId :

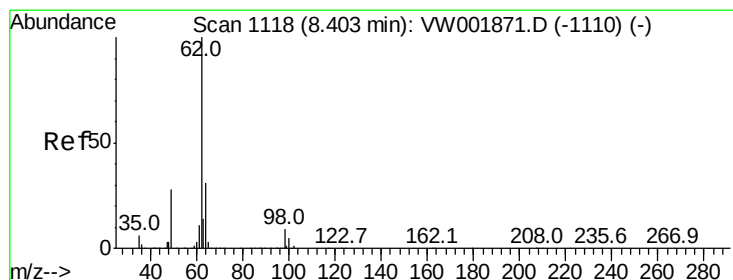
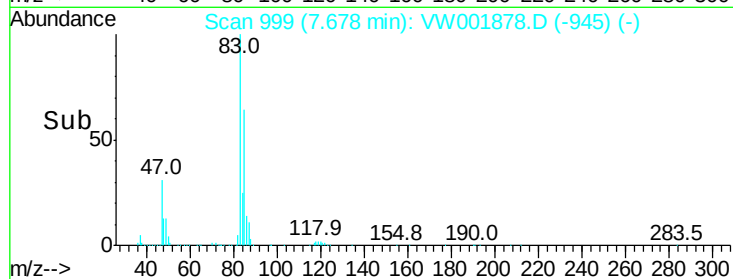
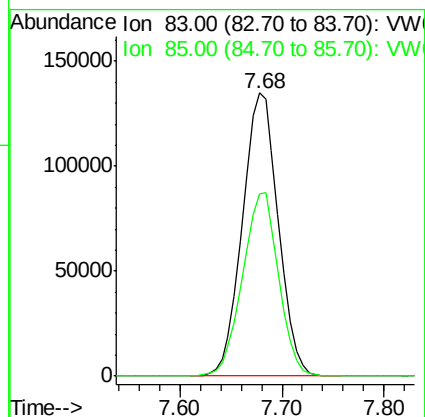
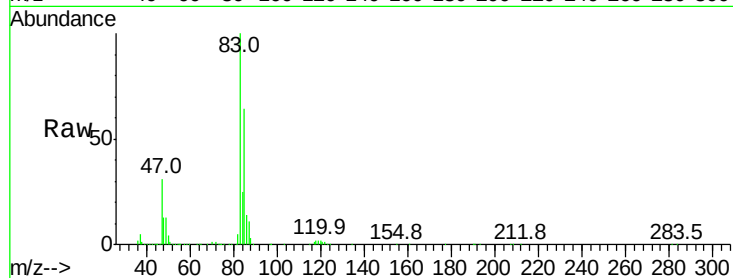
VSTD02583

Tgt Ion: 83 Resp: 329184

Ion Ratio Lower Upper

83 100

85 65.1 46.1 85.5



#27

1,2-Dichloroethane

Concen: 22.37 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW001878.D

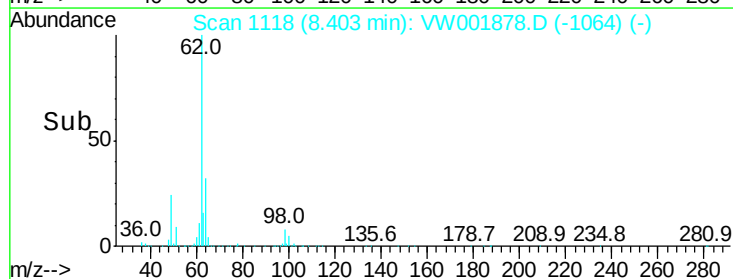
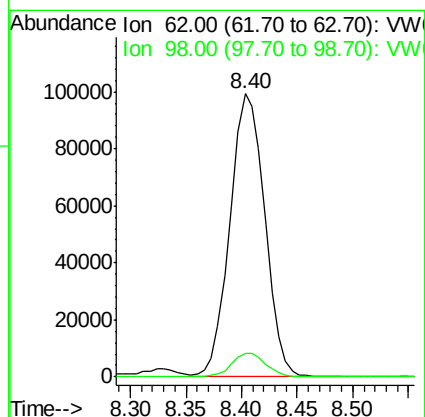
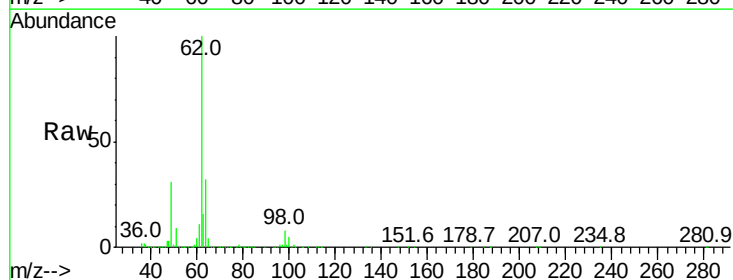
Acq: 05 Apr 2018 13:58

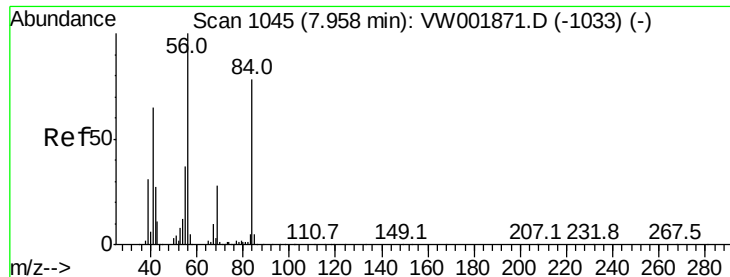
Tgt Ion: 62 Resp: 215742

Ion Ratio Lower Upper

62 100

98 8.4 7.1 10.7

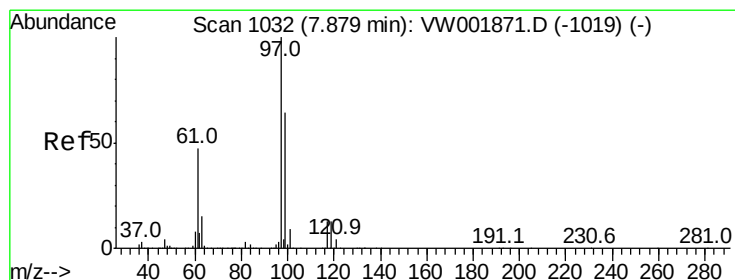
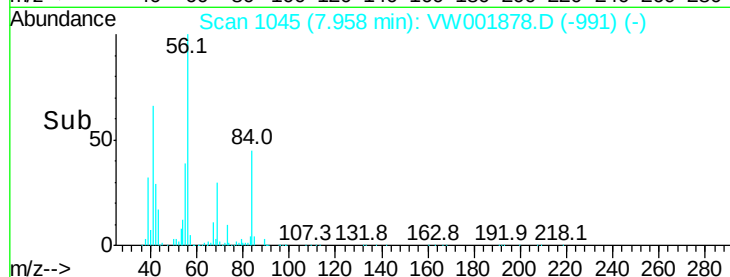
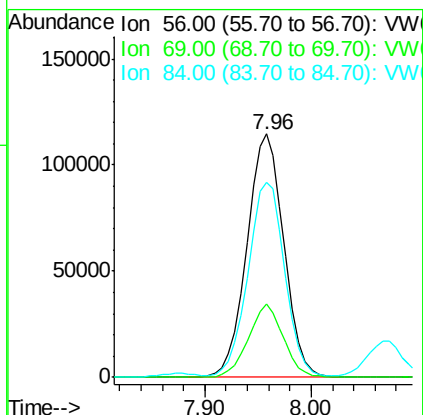
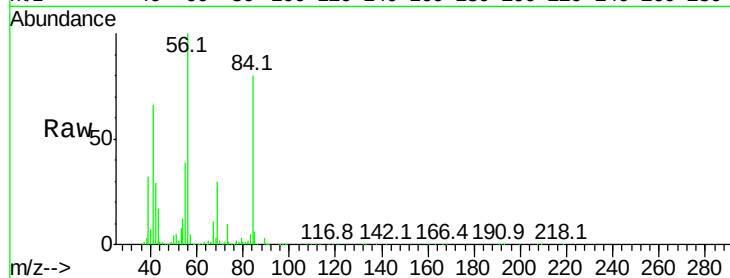




#30
Cyclohexane
Concen: 25.11 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW001878.D
Acq: 05 Apr 2018 13:58

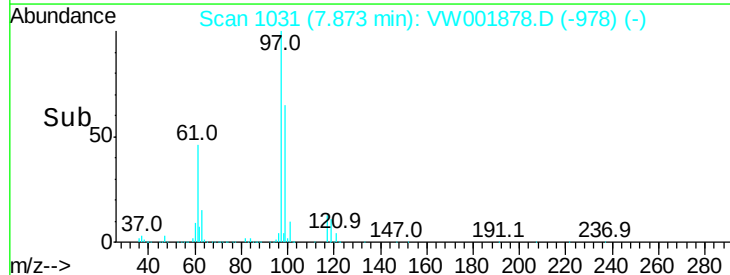
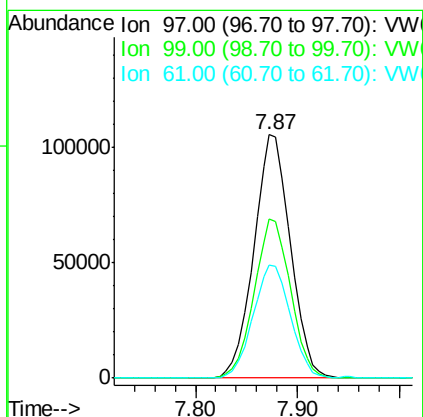
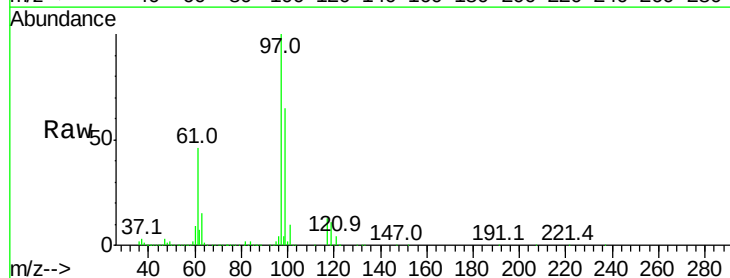
Instrument :
MSVOA_W
ClientSampled :
VSTD02583

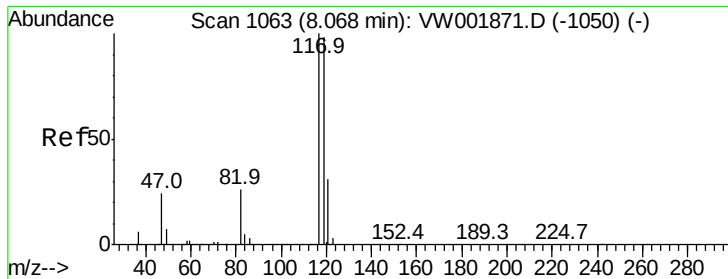
Tgt Ion: 56 Resp: 278504
Ion Ratio Lower Upper
56 100
69 28.6 23.4 35.0
84 80.4 63.1 94.7



#31
1,1,1-Trichloroethane
Concen: 22.57 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VW001878.D
Acq: 05 Apr 2018 13:58

Tgt Ion: 97 Resp: 262141
Ion Ratio Lower Upper
97 100
99 65.0 51.7 77.5
61 47.5 38.5 57.7





#32

Carbon tetrachloride

Concen: 22.87 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

Instrument :

MSVOA_W

ClientSampleId :

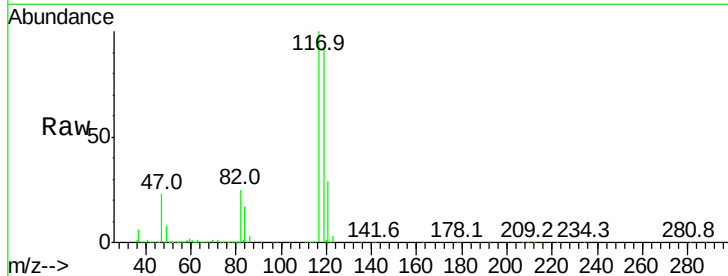
VSTD02583

Tgt Ion:117 Resp: 241476

Ion Ratio Lower Upper

117 100

119 95.4 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

120000

100000

80000

60000

40000

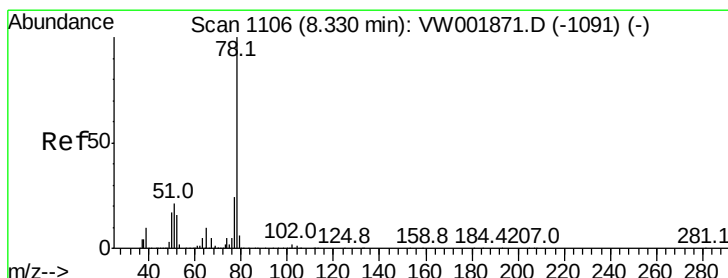
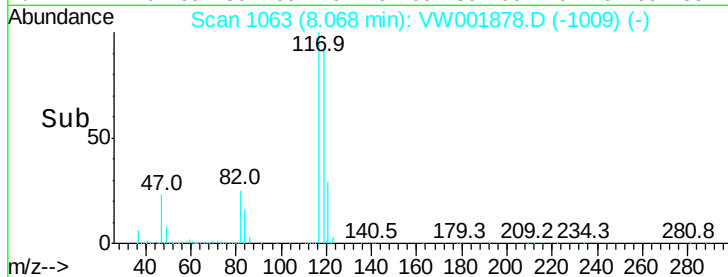
20000

0

8.07

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 23.33 ug/L

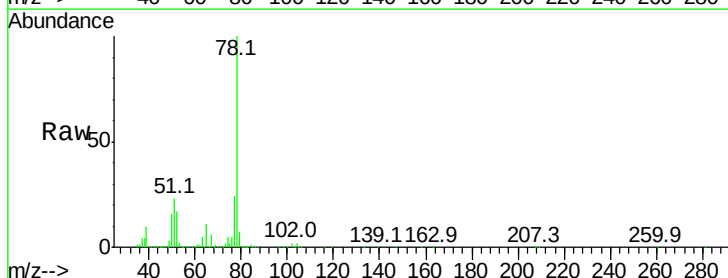
RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

Tgt Ion: 78 Resp: 667127



Abundance Ion 78.00 (77.70 to 78.70): VW

300000

200000

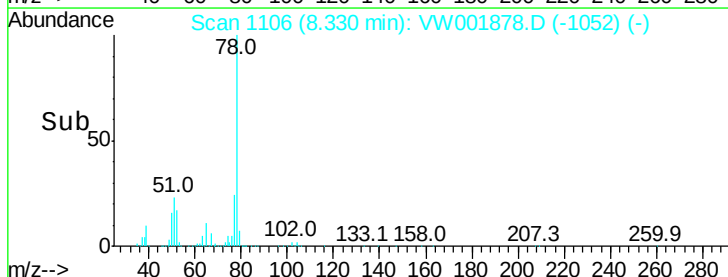
100000

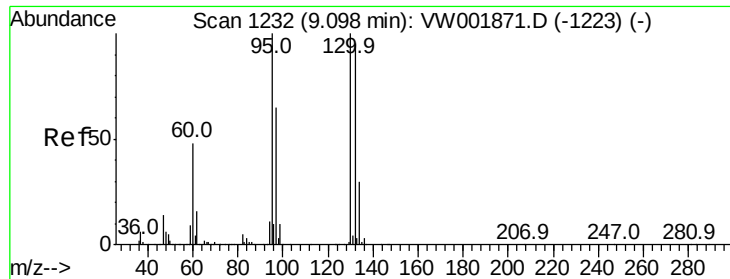
0

8.33

8.20 8.30 8.40 8.50

Time-->





#35

Trichloroethene

Concen: 22.30 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

Tgt Ion: 95 Resp: 170634

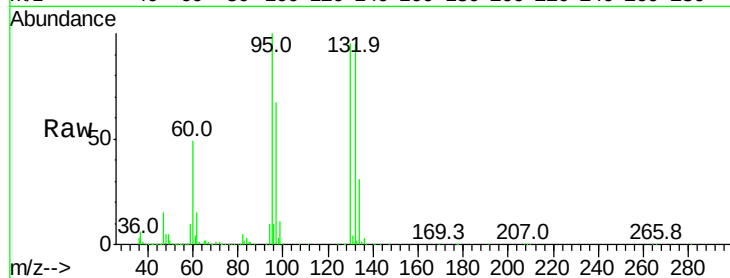
Ion Ratio Lower Upper

95 100

97 64.1 44.6 82.8

132 94.6 65.2 121.0

130 97.8 68.0 126.2

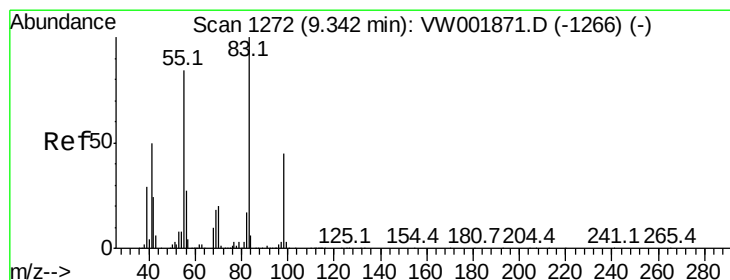
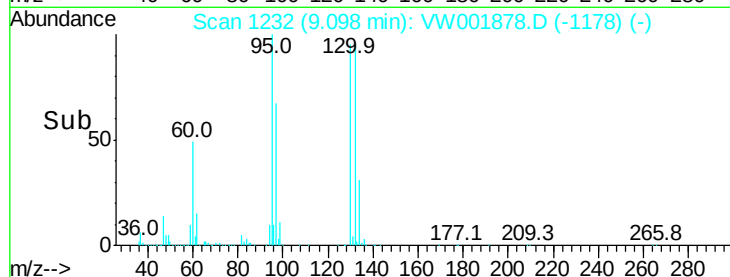
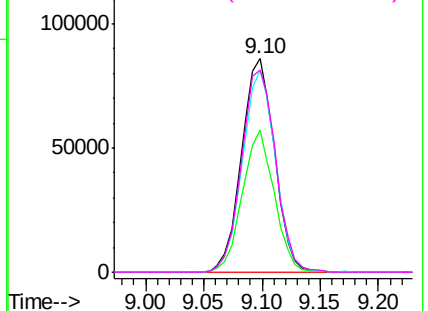


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 24.53 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

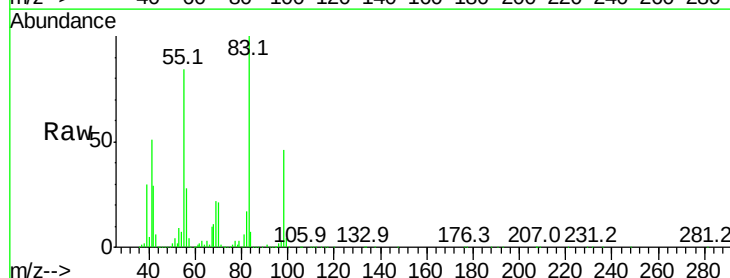
Tgt Ion: 83 Resp: 294307

Ion Ratio Lower Upper

83 100

55 83.7 67.7 101.5

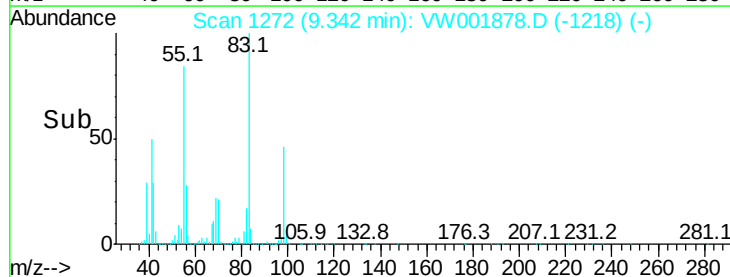
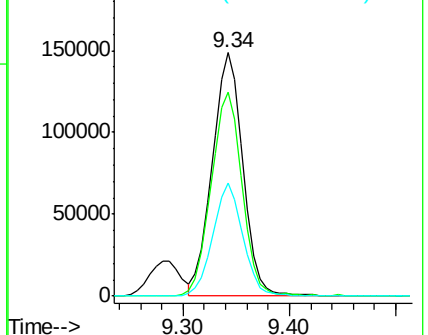
98 44.9 36.8 55.2

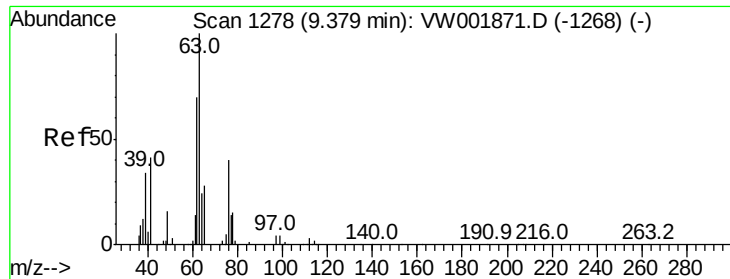


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 22.69 ug/L

RT: 9.38 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

Instrument :

MSVOA_W

ClientSampleId :

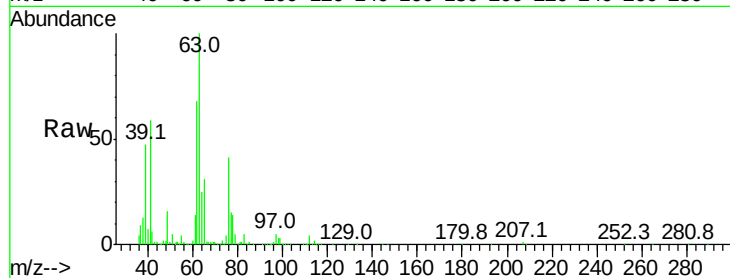
VSTD02583

Tgt Ion: 63 Resp: 179053

Ion Ratio Lower Upper

63 100

112 3.6 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

9.38

100000

80000

60000

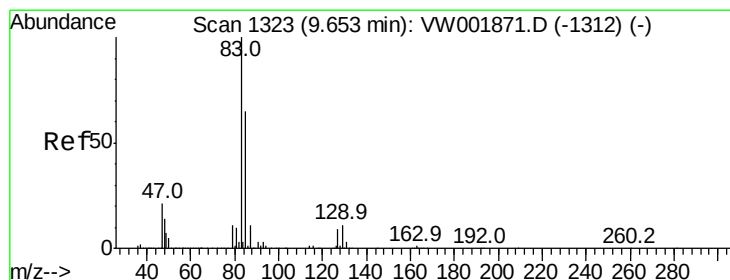
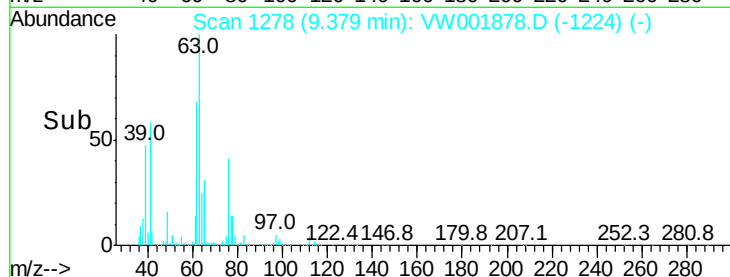
40000

20000

0

9.30 9.40 9.50

Time-->



#41

Bromodichloromethane

Concen: 21.76 ug/L

RT: 9.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

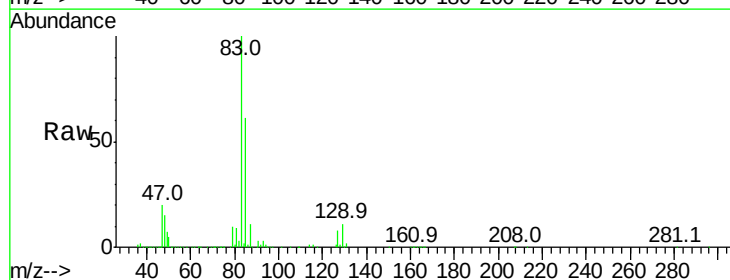
Tgt Ion: 83 Resp: 214418

Ion Ratio Lower Upper

83 100

85 61.0 44.5 82.7

127 8.1 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

9.65

150000

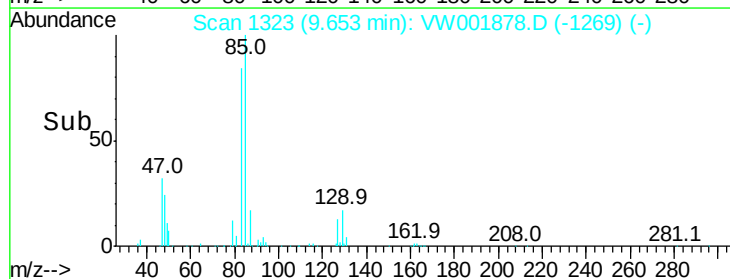
100000

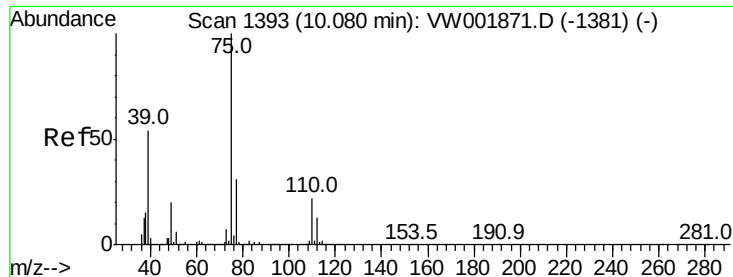
50000

0

9.55 9.60 9.65 9.70

Time-->





#42

cis-1,3-Dichloropropene

Concen: 23.69 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

Instrument :

MSVOA_W

ClientSampled :

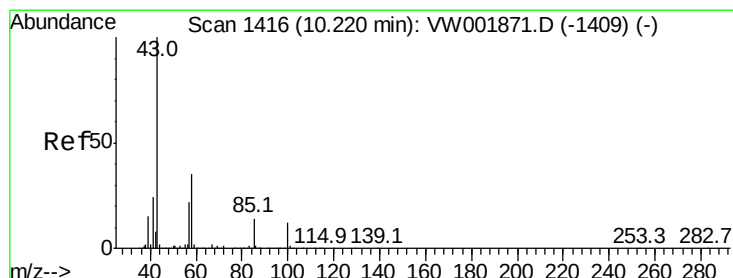
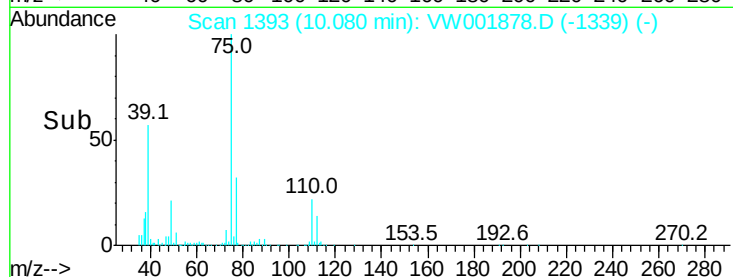
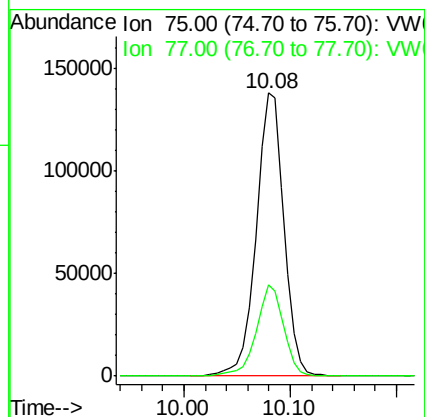
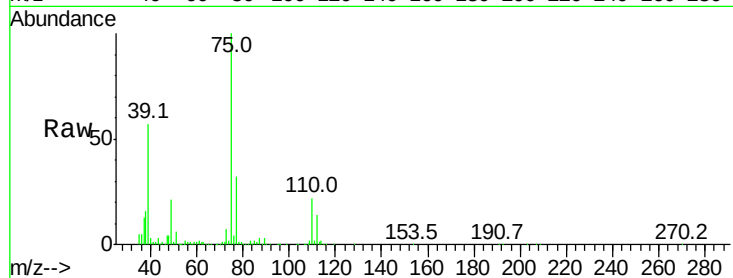
VSTD02583

Tgt Ion: 75 Resp: 251455

Ion Ratio Lower Upper

75 100

77 32.4 21.7 40.3



#43

4-Methyl-2-pentanone

Concen: 46.39 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

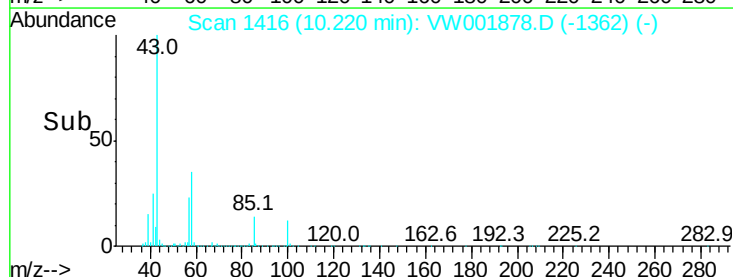
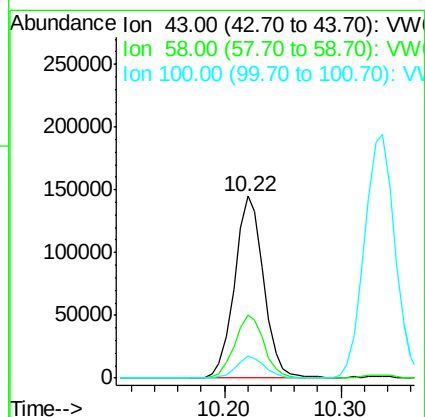
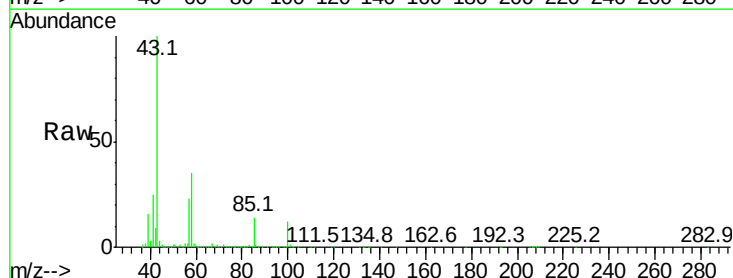
Tgt Ion: 43 Resp: 252285

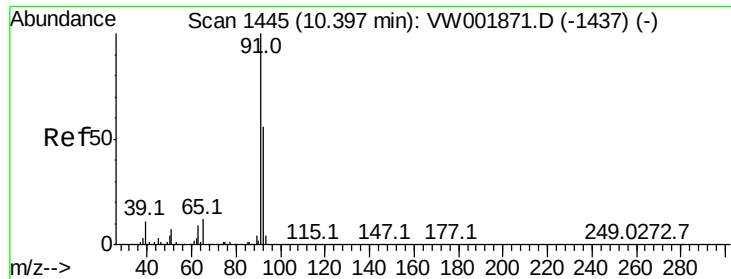
Ion Ratio Lower Upper

43 100

58 35.1 28.2 42.2

100 12.0 9.8 14.6





#44

Toluene

Concen: 24.02 ug/L

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

Instrument :

MSVOA_W

ClientSampleId :

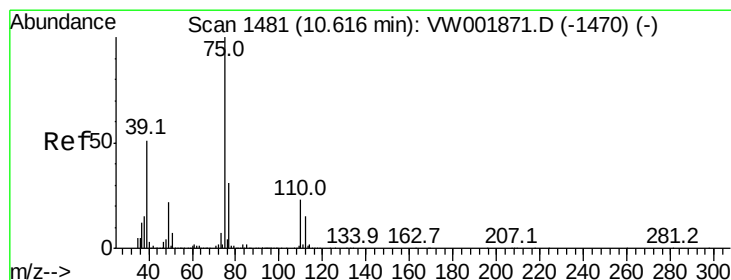
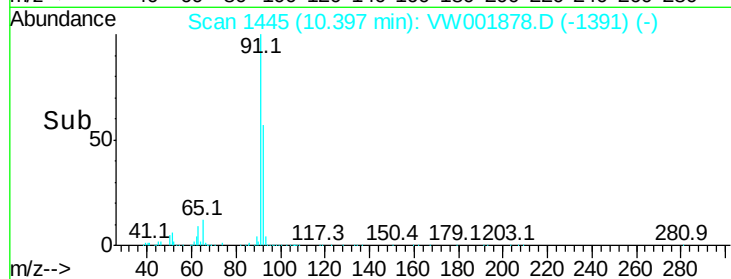
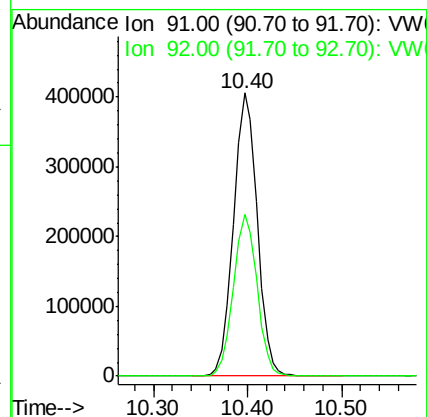
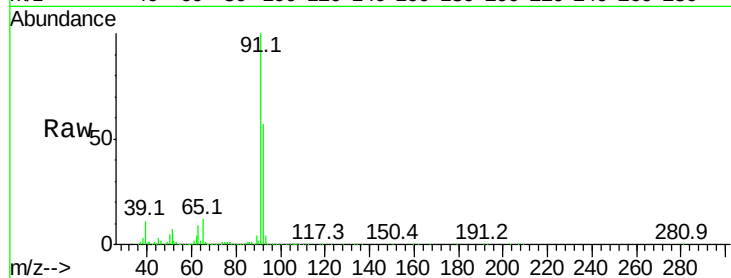
VSTD02583

Tgt Ion: 91 Resp: 711360

Ion Ratio Lower Upper

91 100

92 57.1 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 24.11 ug/L

RT: 10.62 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW001878.D

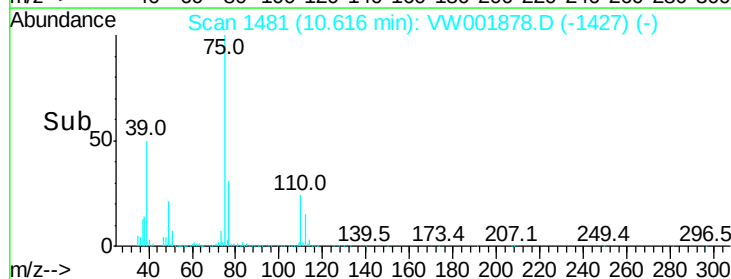
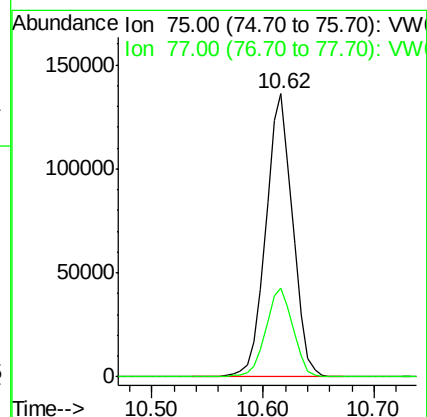
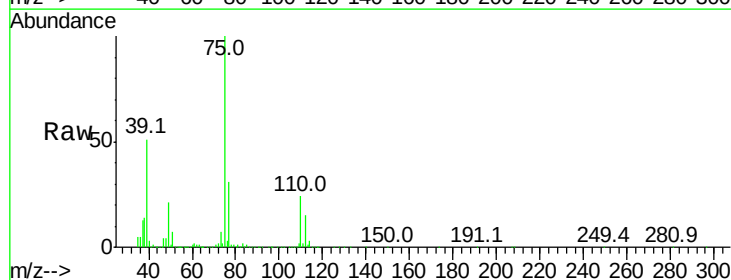
Acq: 05 Apr 2018 13:58

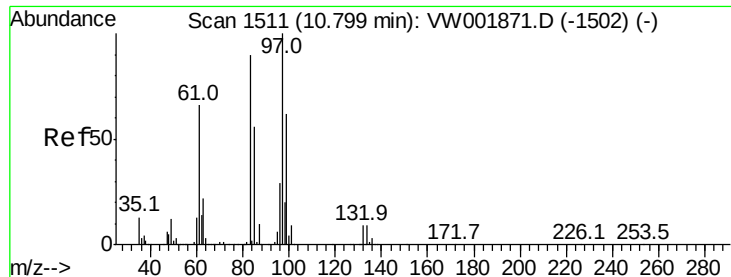
Tgt Ion: 75 Resp: 228651

Ion Ratio Lower Upper

75 100

77 31.2 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 22.05 ug/L

RT: 10.80 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

Instrument :

MSVOA_W

ClientSampled :

VSTD02583

Tgt Ion: 97 Resp: 129097

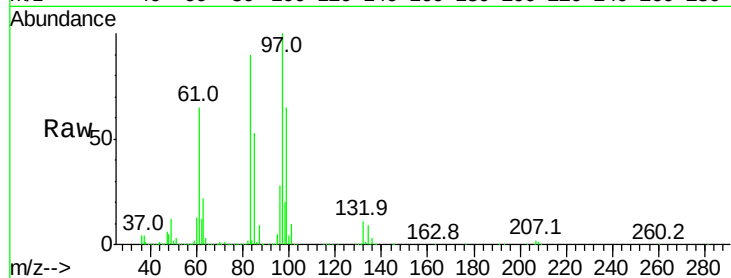
Ion Ratio Lower Upper

97 100

83 89.5 59.9 111.3

85 53.2 38.0 70.6

99 64.6 41.6 77.3

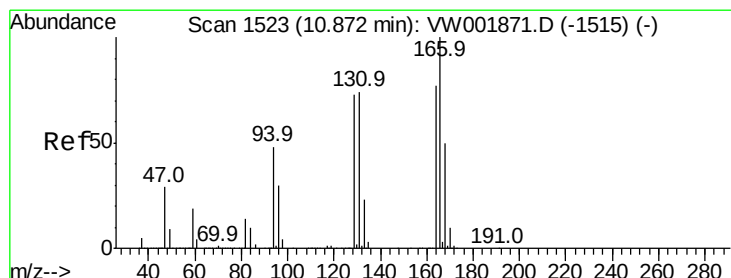
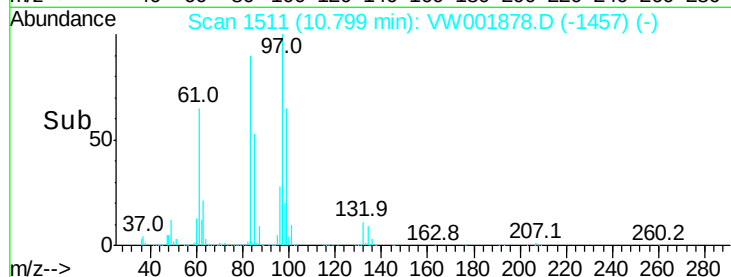
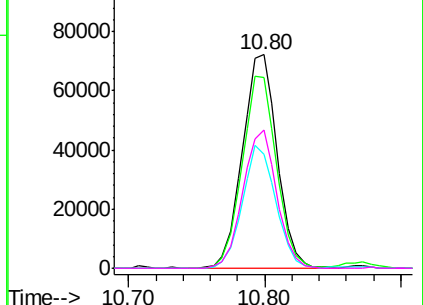


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 22.87 ug/L

RT: 10.87 min Scan# 1523

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

Tgt Ion: 164 Resp: 135924

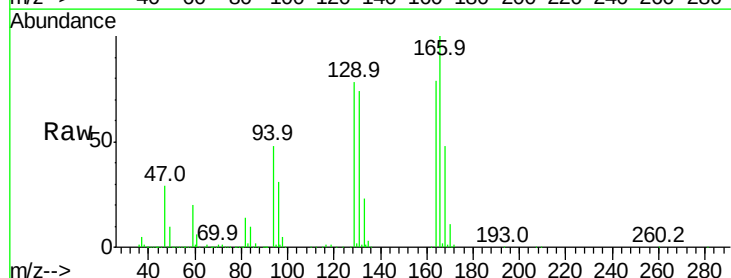
Ion Ratio Lower Upper

164 100

129 98.2 66.4 123.2

131 93.9 63.8 118.6

166 126.7 88.1 163.5

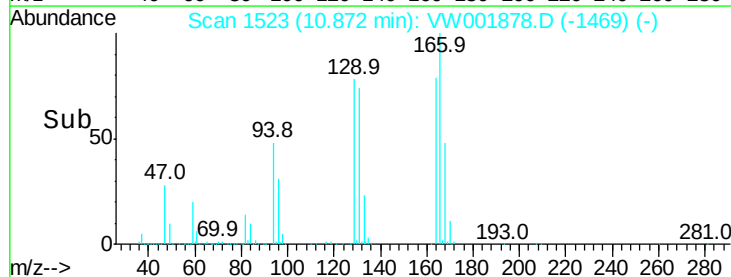
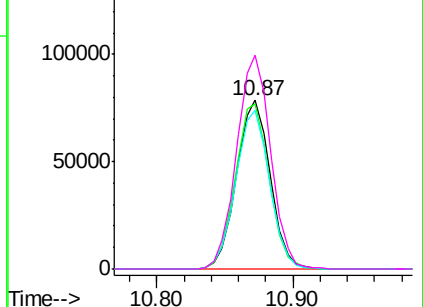


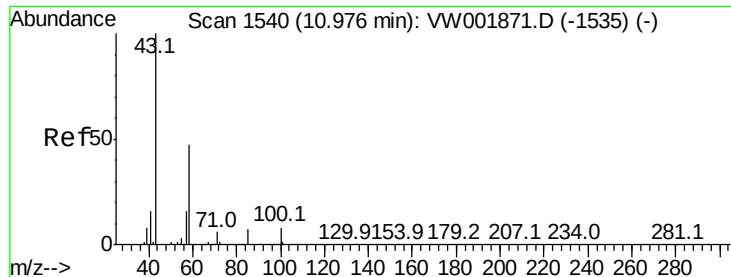
Abundance Ion 164.00 (163.70 to 164.70): V

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

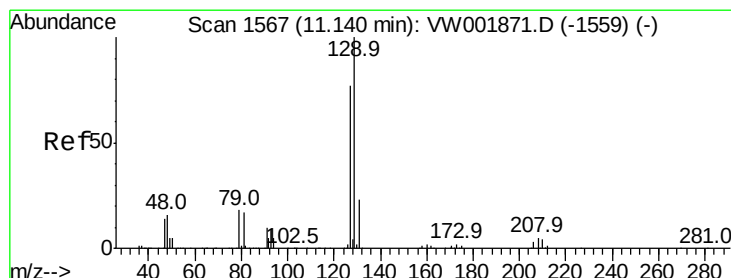
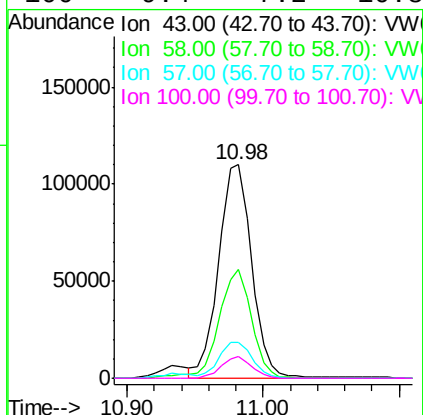
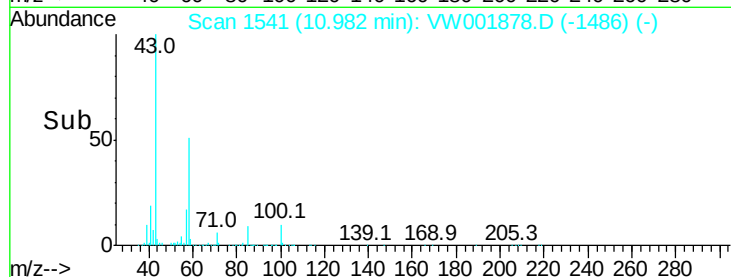
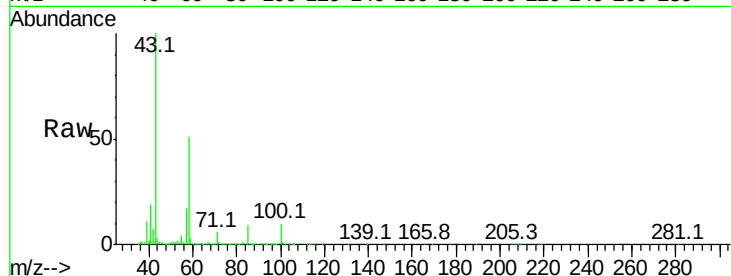




#49
2-Hexanone
Concen: 46.98 ug/L
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VW001878.D
Acq: 05 Apr 2018 13:58

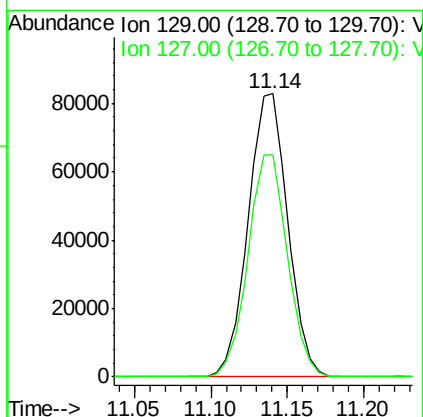
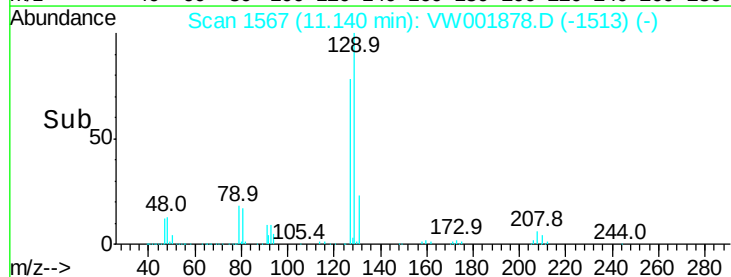
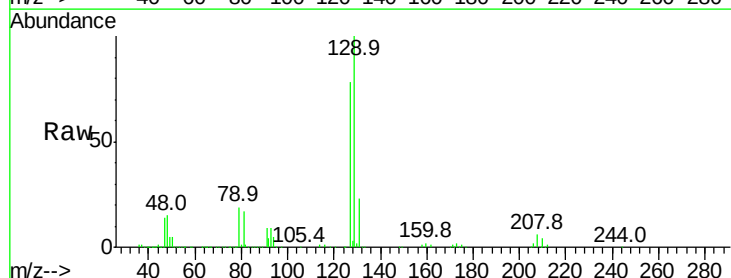
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

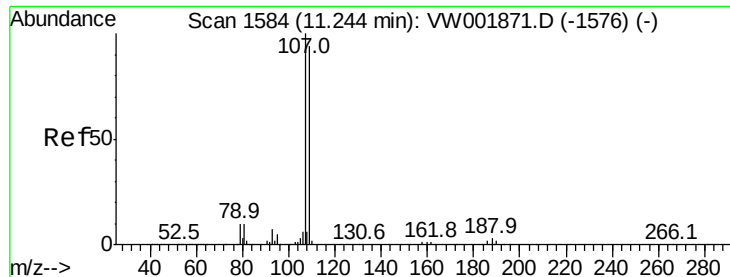
Tgt Ion: 43 Resp: 185543
Ion Ratio Lower Upper
43 100
58 50.6 41.0 61.6
57 17.2 13.8 20.8
100 9.4 7.2 10.8



#50
Dibromochloromethane
Concen: 22.12 ug/L
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VW001878.D
Acq: 05 Apr 2018 13:58

Tgt Ion: 129 Resp: 149399
Ion Ratio Lower Upper
129 100
127 78.3 54.2 100.6





#51

1,2-Dibromoethane

Concen: 22.37 ug/L

RT: 11.24 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

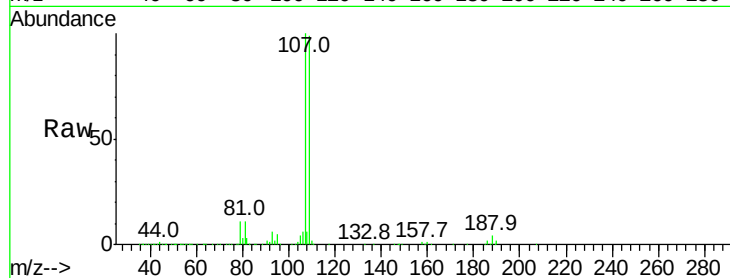
Tgt Ion:107 Resp: 117074

Ion Ratio Lower Upper

107 100

109 98.6 65.6 121.8

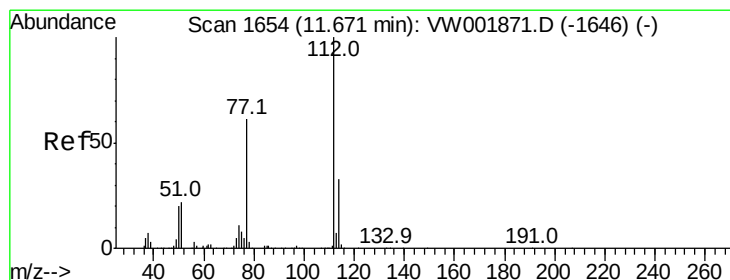
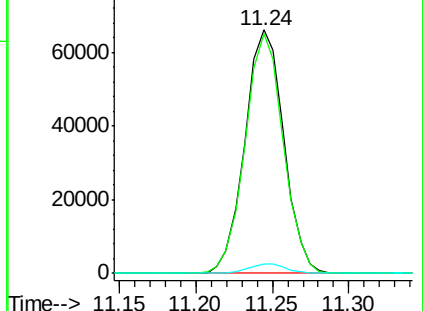
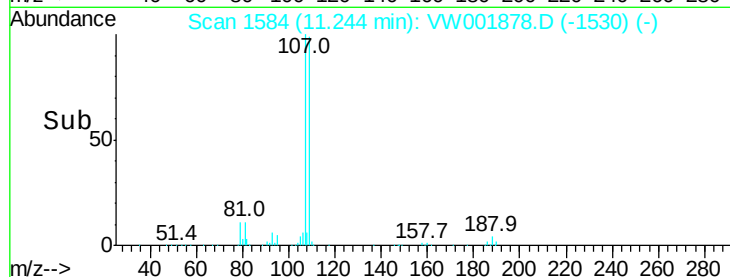
188 3.7 2.7 4.1



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: 22.91 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. -0.01 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

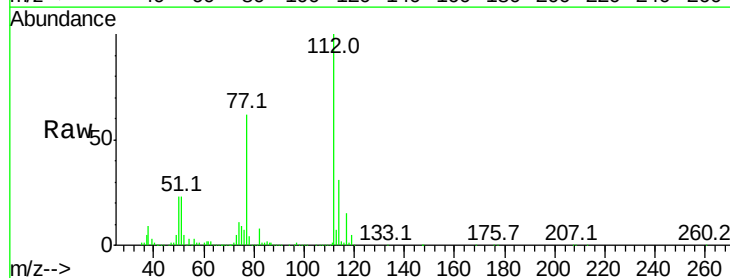
Tgt Ion:112 Resp: 443591

Ion Ratio Lower Upper

112 100

77 61.7 47.0 70.4

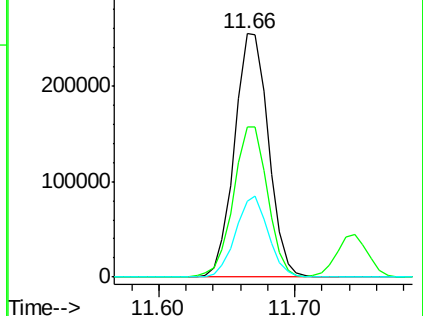
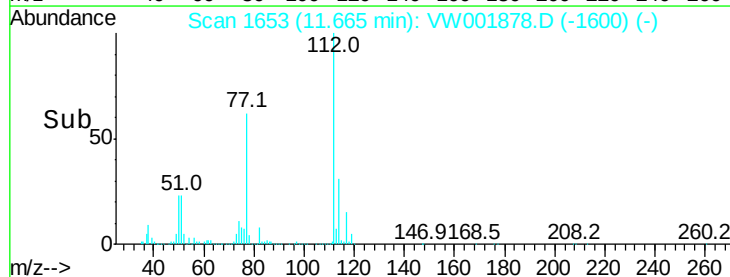
114 31.2 21.6 40.2

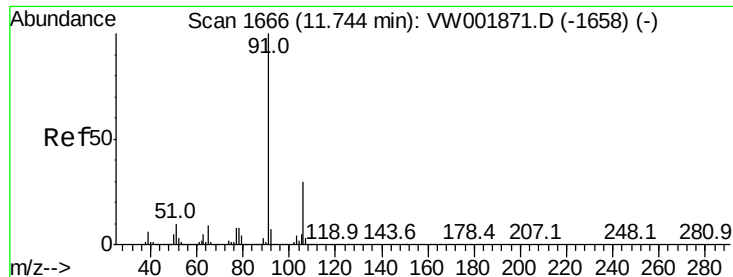


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 24.12 ug/L

RT: 11.74 min Scan# 1666

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

Instrument :

MSVOA_W

ClientSampled :

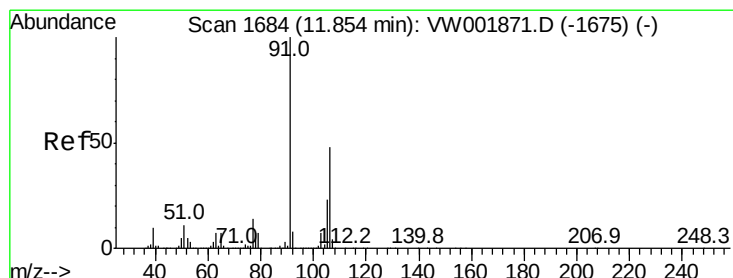
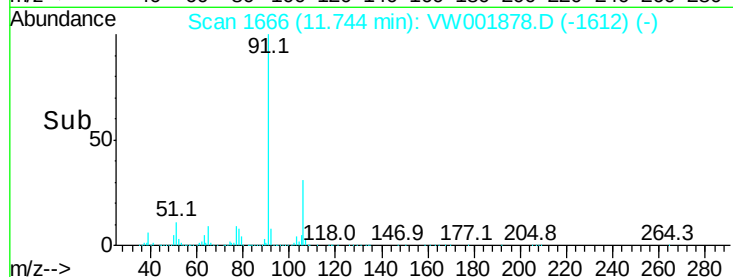
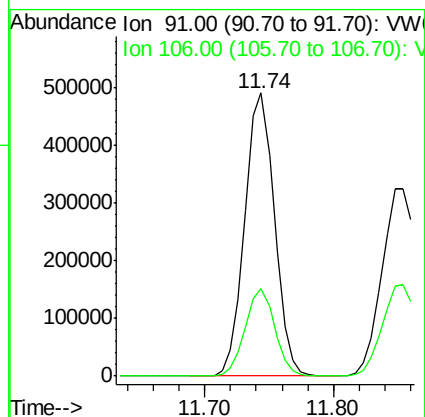
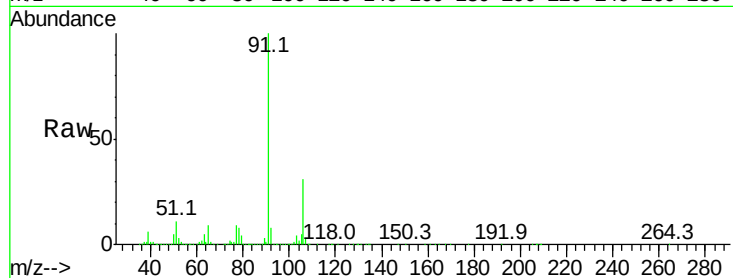
VSTD02583

Tgt Ion: 91 Resp: 783884

Ion Ratio Lower Upper

91 100

106 30.8 21.1 39.3



#54

m,p-Xylene

Concen: 25.01 ug/L

RT: 11.85 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW001878.D

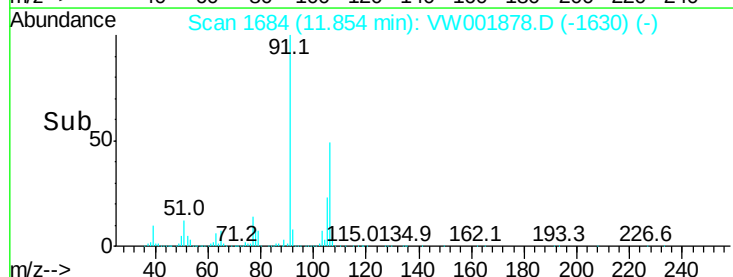
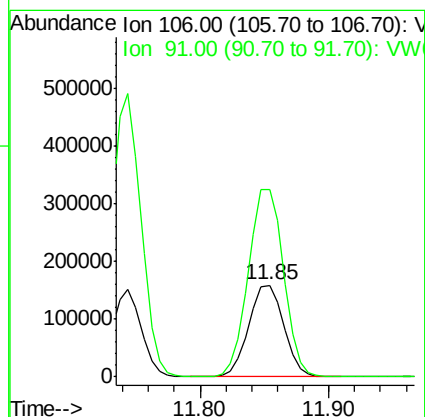
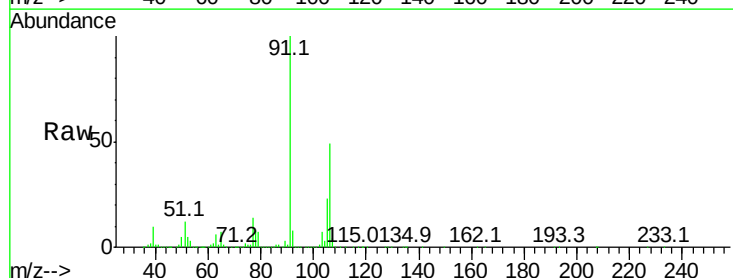
Acq: 05 Apr 2018 13:58

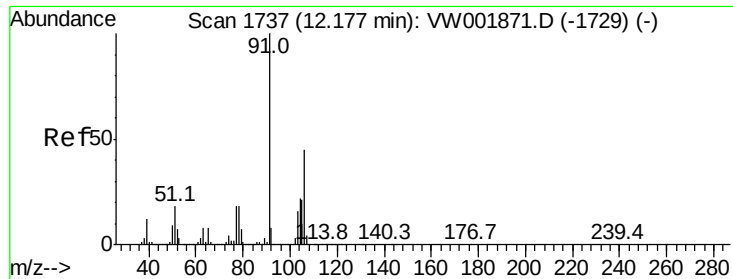
Tgt Ion: 106 Resp: 298328

Ion Ratio Lower Upper

106 100

91 204.1 142.2 264.0





#55

o-xylene

Concen: 24.45 ug/L

RT: 12.18 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

Instrument :

MSVOA_W

ClientSampleId :

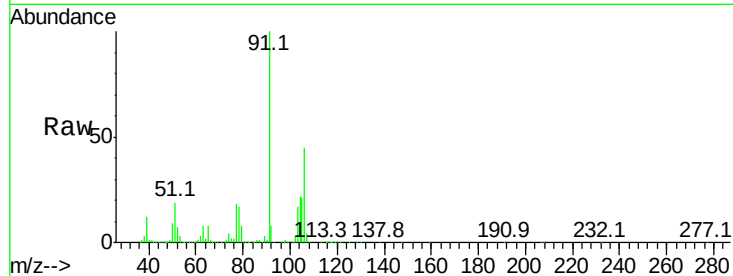
VSTD02583

Tgt Ion:106 Resp: 272963

Ion Ratio Lower Upper

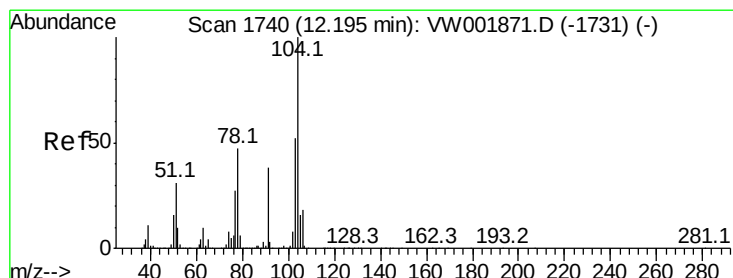
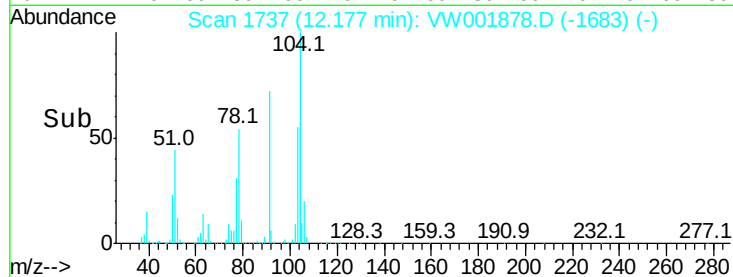
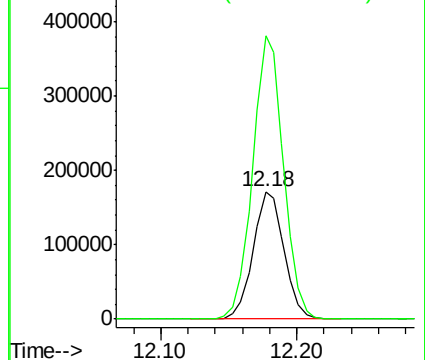
106 100

91 221.7 152.7 283.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.44 ug/L

RT: 12.20 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW001878.D

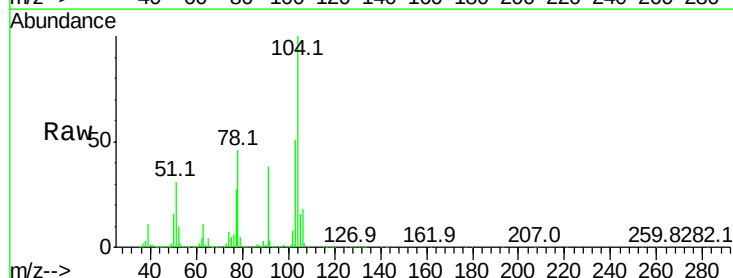
Acq: 05 Apr 2018 13:58

Tgt Ion:104 Resp: 476043

Ion Ratio Lower Upper

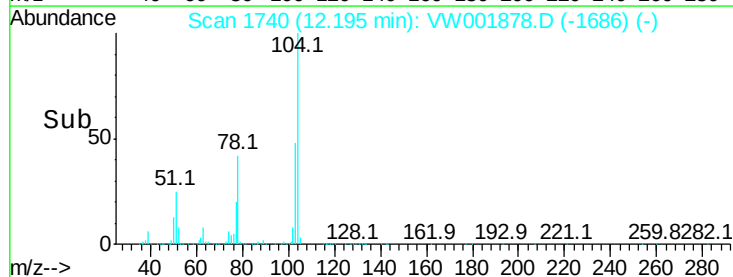
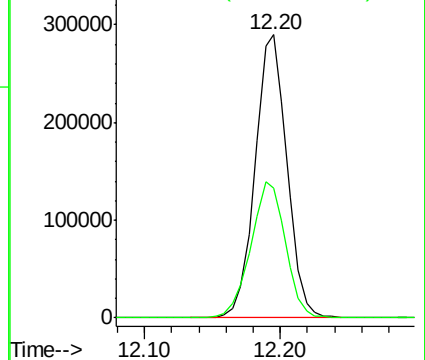
104 100

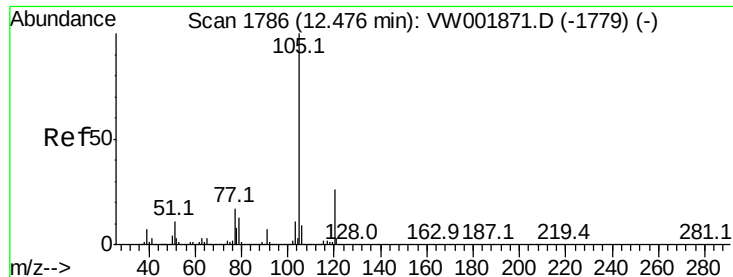
78 45.8 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.96 ug/L

RT: 12.48 min Scan# 1786

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

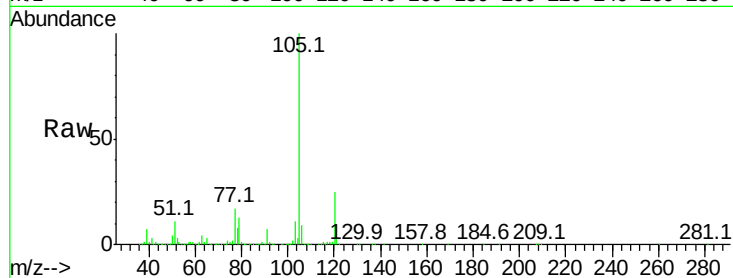
Tgt Ion: 105 Resp: 746574

Ion Ratio Lower Upper

105 100

120 25.9 20.8 31.2

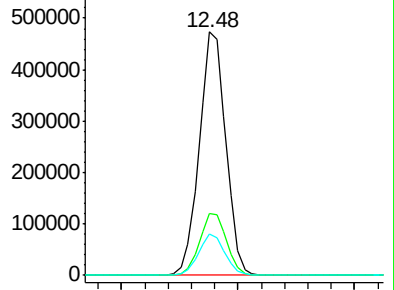
77 16.7 13.3 19.9



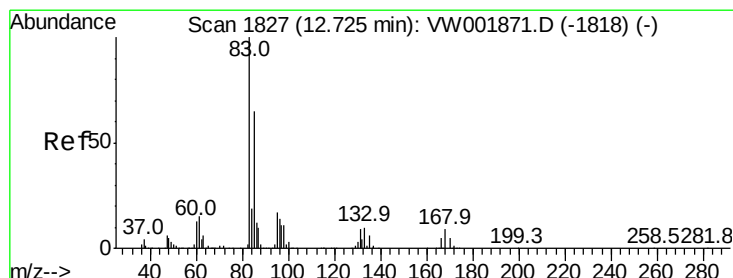
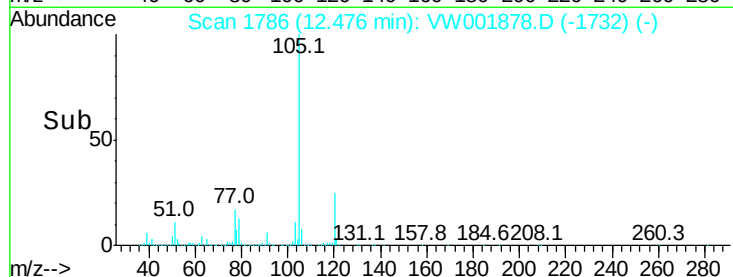
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 22.62 ug/L

RT: 12.73 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

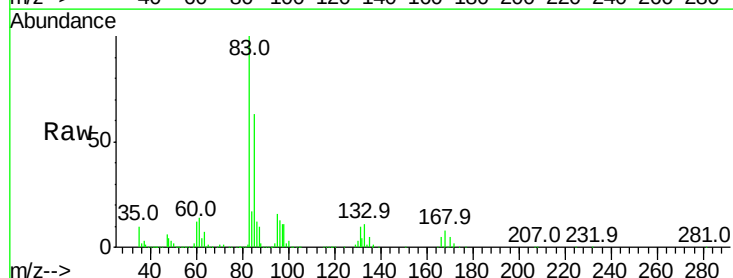
Tgt Ion: 83 Resp: 170074

Ion Ratio Lower Upper

83 100

85 62.8 46.9 87.1

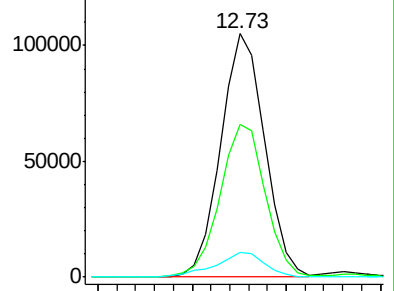
131 10.0 7.3 10.9



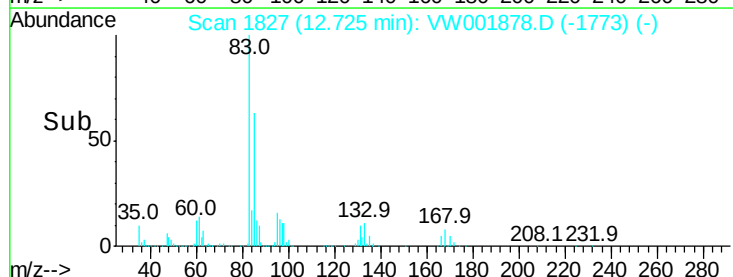
Abundance Ion 83.00 (82.70 to 83.70): VW

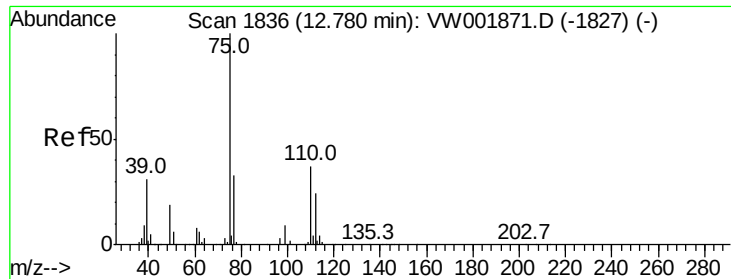
Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V



Time-->





#59

1,2,3-Trichloropropane

Concen: 22.83 ug/L

RT: 12.78 min Scan# 1836

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

Instrument :

MSVOA_W

ClientSampleId :

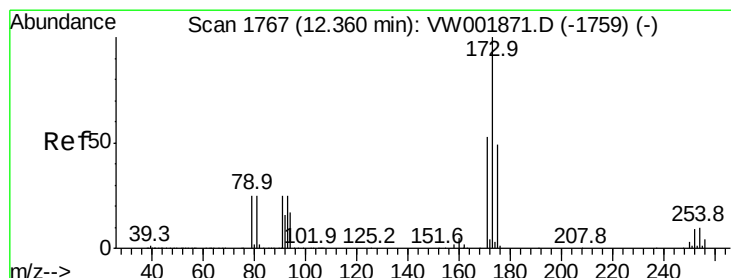
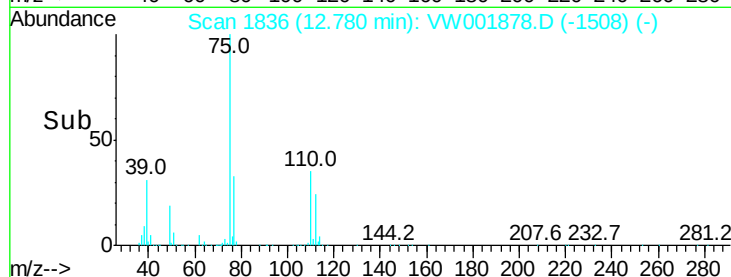
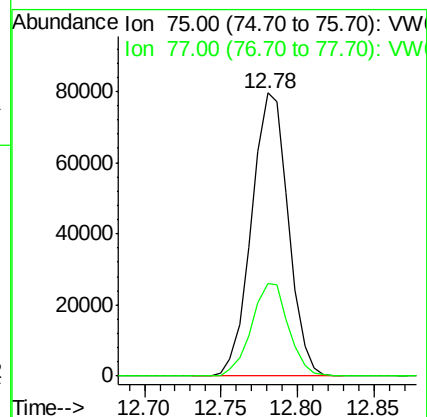
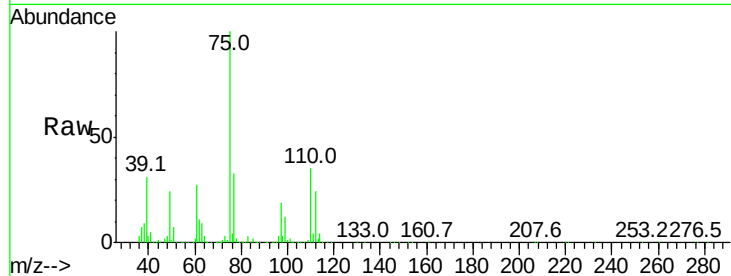
VSTD02583

Tgt Ion: 75 Resp: 132785

Ion Ratio Lower Upper

75 100

77 33.1 25.8 38.8



#62

Bromoform

Concen: 22.29 ug/L

RT: 12.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

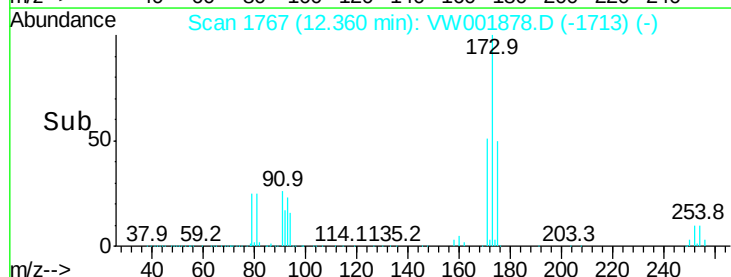
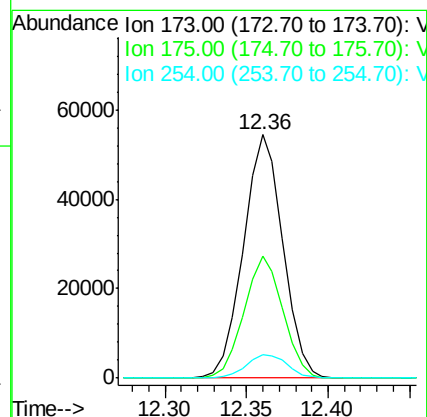
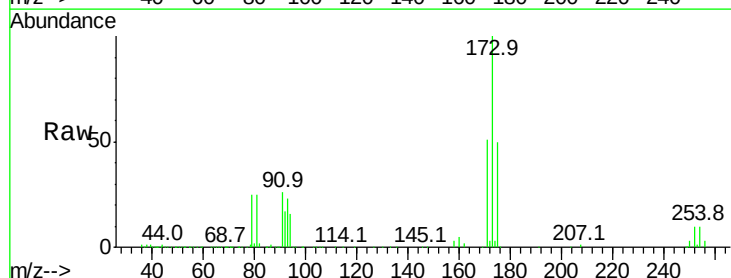
Tgt Ion: 173 Resp: 91431

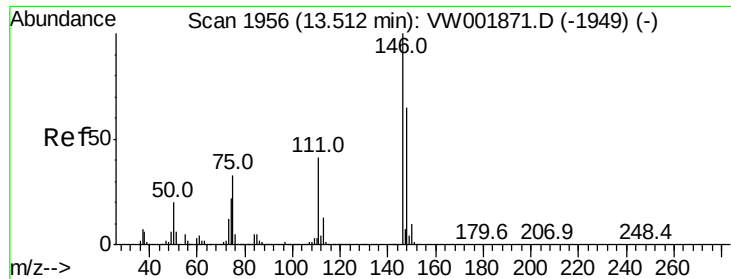
Ion Ratio Lower Upper

173 100

175 49.5 39.5 59.3

254 10.1 8.0 12.0





#63

1,3-Dichlorobenzene

Concen: 23.02 ug/L

RT: 13.51 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

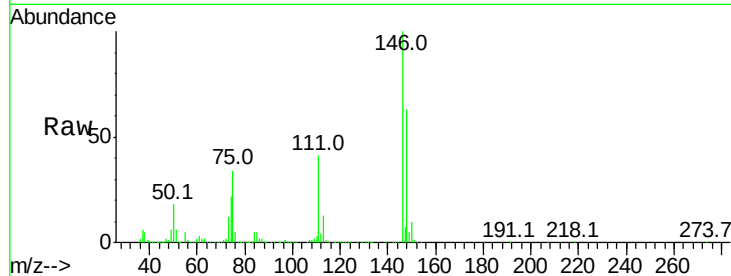
Tgt Ion:146 Resp: 327054

Ion Ratio Lower Upper

146 100

111 41.1 28.2 52.4

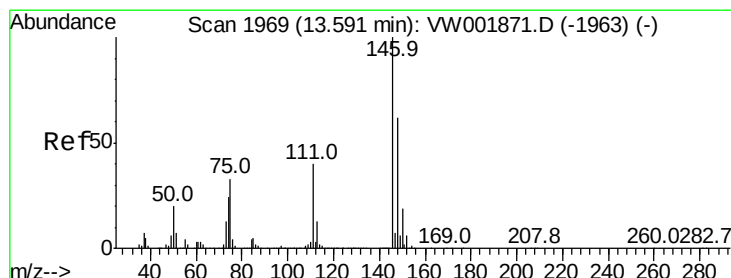
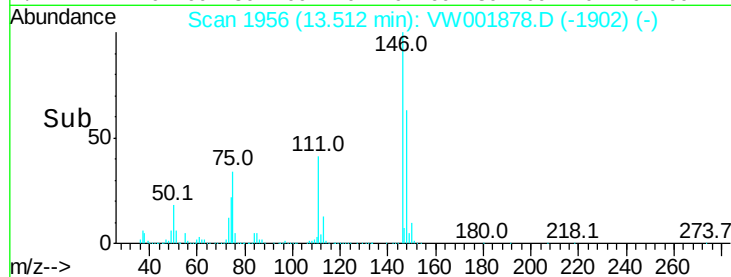
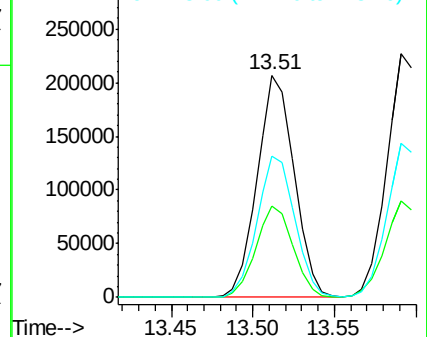
148 63.4 44.4 82.5



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



#64

1,4-Dichlorobenzene

Concen: 23.10 ug/L

RT: 13.59 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

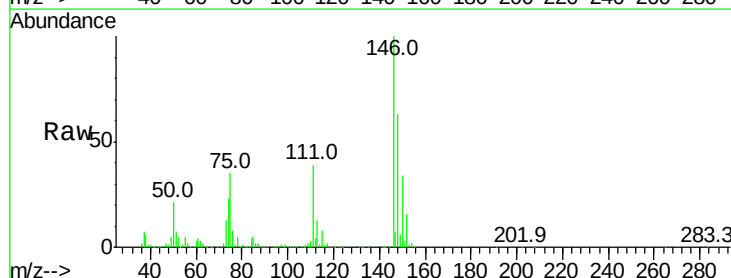
Tgt Ion:146 Resp: 359366

Ion Ratio Lower Upper

146 100

111 39.4 27.7 51.5

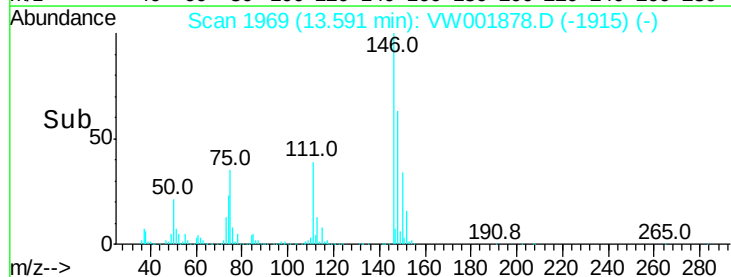
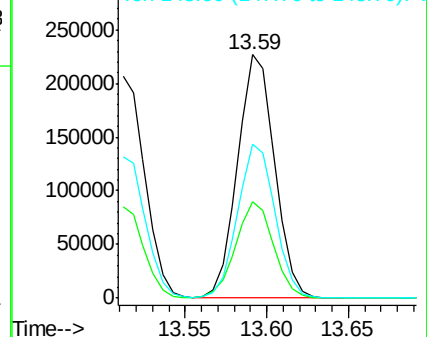
148 63.3 43.6 81.0

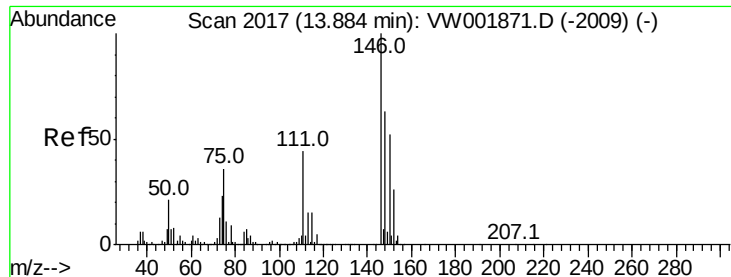


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

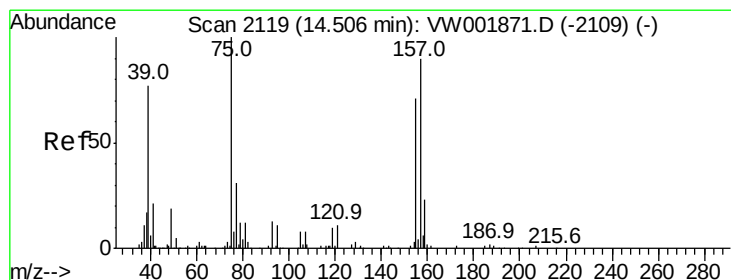
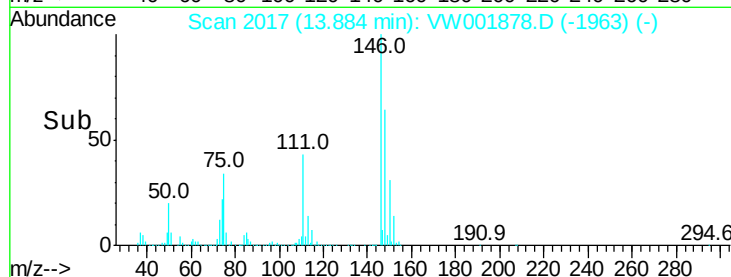
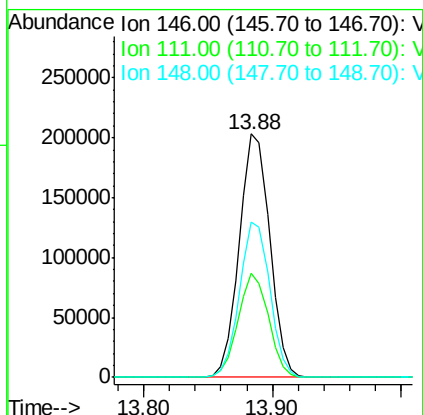
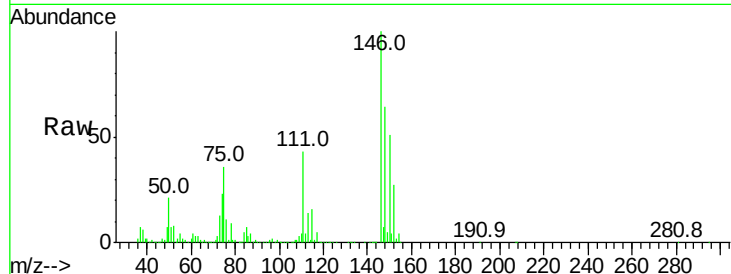




#65
 1,2-Dichlorobenzene
 Concen: 23.64 ug/L
 RT: 13.88 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: VW001878.D
 Acq: 05 Apr 2018 13:58

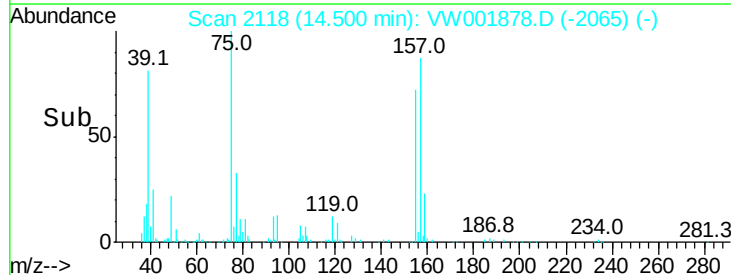
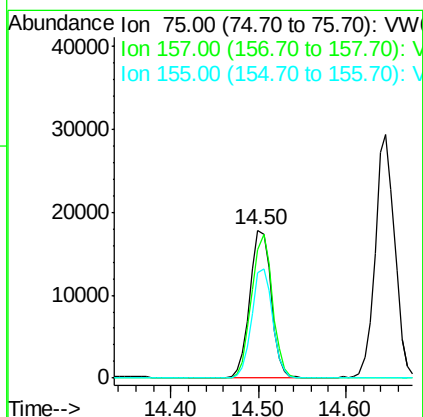
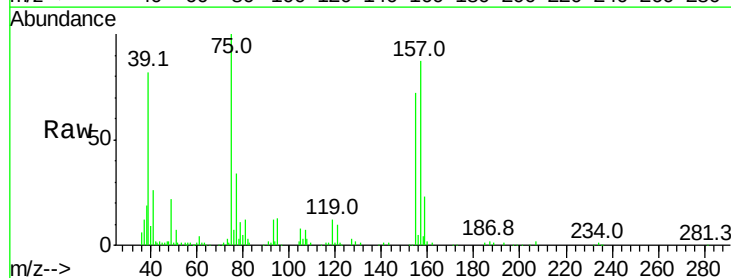
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

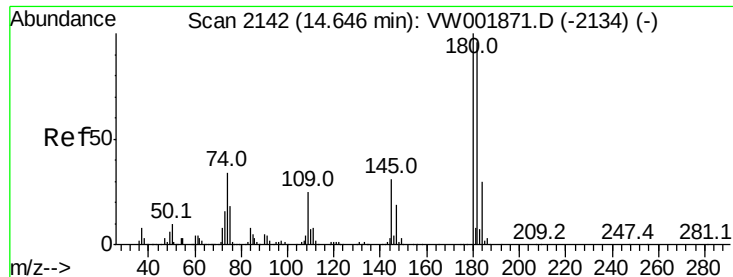
Tgt Ion:146 Resp: 333512
 Ion Ratio Lower Upper
 146 100
 111 43.0 34.9 52.3
 148 64.0 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.60 ug/L
 RT: 14.50 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VW001878.D
 Acq: 05 Apr 2018 13:58

Tgt Ion: 75 Resp: 30328
 Ion Ratio Lower Upper
 75 100
 157 86.9 72.6 109.0
 155 71.7 57.0 85.4





#67

1,3,5-Trichlorobenzene

Concen: 23.24 ug/L

RT: 14.65 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

Tgt Ion:180 Resp: 256641

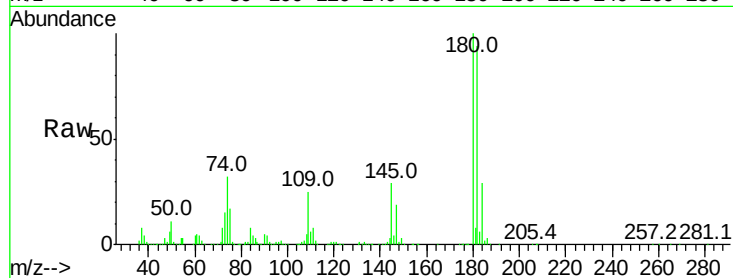
Ion Ratio Lower Upper

180 100

182 94.9 75.7 113.5

184 30.1 23.9 35.9

145 29.7 23.8 35.6

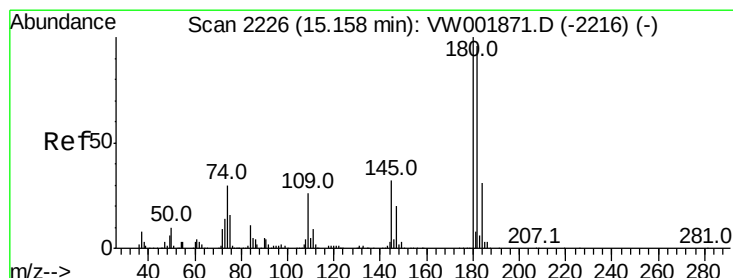
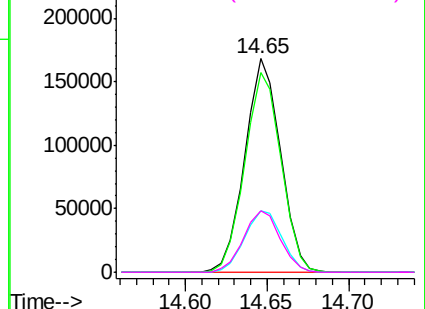
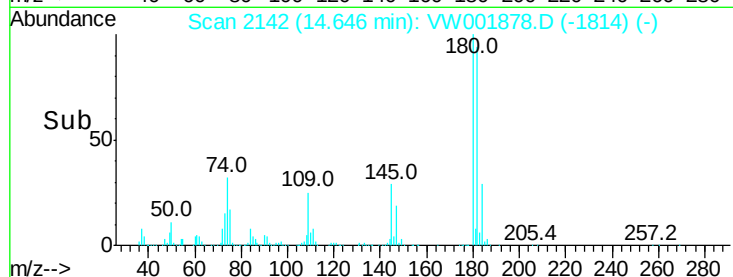


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 24.02 ug/L

RT: 15.15 min Scan# 2225

Delta R.T. -0.01 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

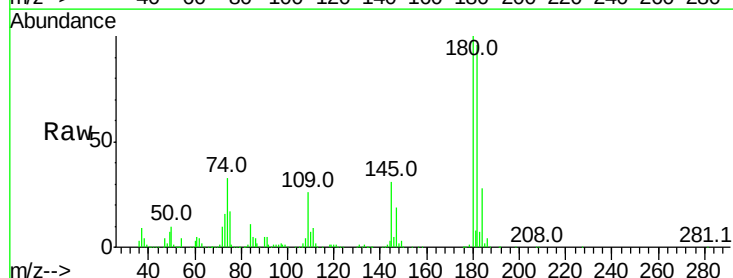
Tgt Ion:180 Resp: 206916

Ion Ratio Lower Upper

180 100

182 96.4 75.3 112.9

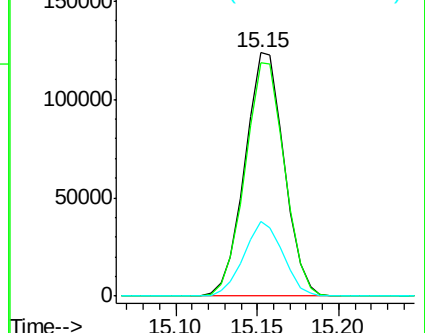
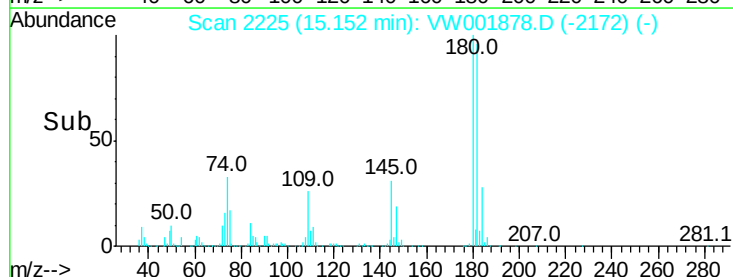
145 30.7 24.6 37.0

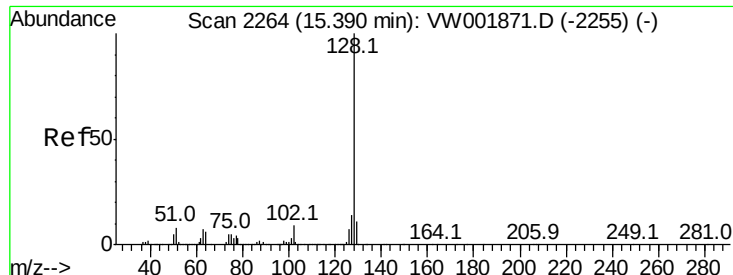


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.42 ug/L

RT: 15.39 min Scan# 2264

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

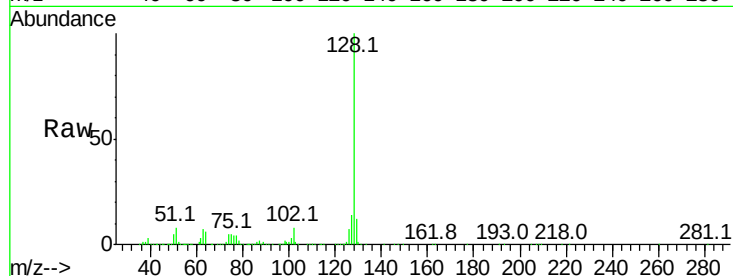
Tgt Ion:128 Resp: 413153

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

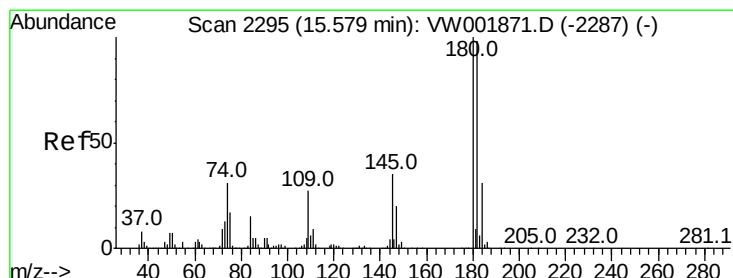
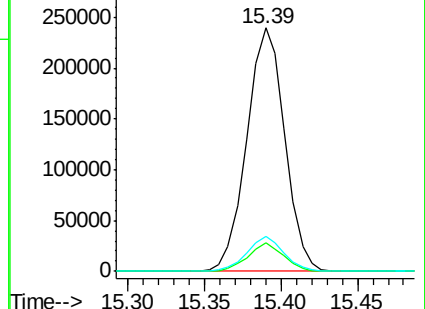
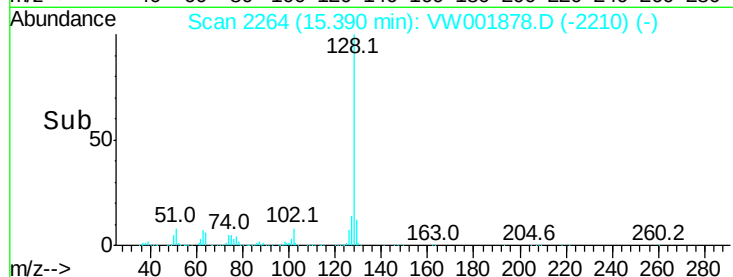
127 13.7 11.0 16.6



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: 24.87 ug/L

RT: 15.58 min Scan# 2295

Delta R.T. 0.00 min

Lab File: VW001878.D

Acq: 05 Apr 2018 13:58

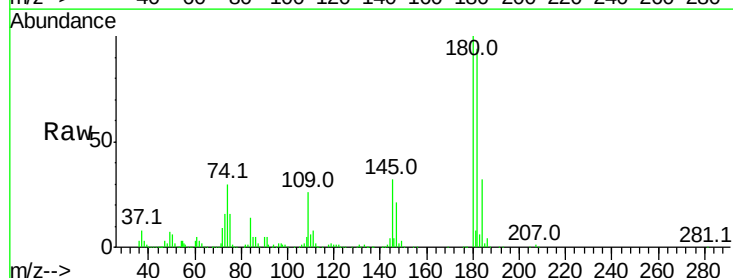
Tgt Ion:180 Resp: 205757

Ion Ratio Lower Upper

180 100

182 94.8 74.1 111.1

145 32.4 25.2 37.8



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

