

Data File : VW004662.D
Acq On : 14 Aug 2018 11:03
Operator : SY/AP
Sample : VSTD05092
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05093

Quant Time: Aug 14 11:43:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081418S.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 14 11:11:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	1071902	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1030807	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	542920	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	785038	58.88	ug/L	0.00
7) Chloroethane-d5	2.89	69	632455	56.39	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	1486284	54.90	ug/L	0.00
20) 2-Butanone-d5	7.09	46	443143	75.38	ug/L	0.00
24) Chloroform-d	7.65	84	1388223	47.84	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	735736	45.48	ug/L	0.00
29) Benzene-d6	8.28	84	2885731	52.62	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	890059	49.66	ug/L	0.00
37) Toluene-d8	10.33	98	2659880	55.02	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	375099	50.90	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	379987	87.09	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	810245	41.69	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	989654	48.53	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	650116	58.334	ug/L	97
3) Chloromethane	2.22	50	733748	49.846	ug/L	98
5) Vinyl chloride	2.37	62	1031444	53.696	ug/L	98
6) Bromomethane	2.78	94	605750	54.526	ug/L	99
8) Chloroethane	2.93	64	592978	51.456	ug/L	95
9) Trichlorofluoromethane	3.26	101	543593	62.041	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	792464	52.091	ug/L	99
12) 1,1-Dichloroethene	4.03	96	772209	51.956	ug/L	92
13) Acetone	4.14	43	355213	69.744	ug/L	100
14) Carbon disulfide	4.38	76	2712638	59.501	ug/L	99
15) Methyl Acetate	4.68	43	423615	40.808	ug/L	100
16) Methylene chloride	4.92	84	833921	39.169	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	1072985	53.334	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	815634	53.662	ug/L	97
19) 1,1-Dichloroethane	6.21	63	1421125	49.272	ug/L	98
21) 2-Butanone	7.18	43	548678	78.706	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	885701	53.388	ug/L	99
23) Bromochloromethane	7.52	128	394452	49.677	ug/L	96
25) Chloroform	7.68	83	1409778	47.886	ug/L	99
27) 1,2-Dichloroethane	8.40	62	903139	45.663	ug/L	99
30) Cyclohexane	7.96	56	1471685	60.369	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	1125171	51.376	ug/L	99
32) Carbon tetrachloride	8.07	117	1079713	51.155	ug/L	99
34) Benzene	8.33	78	3287928	51.734	ug/L	100
35) Trichloroethene	9.09	95	816467	51.074	ug/L	99
36) Methylcyclohexane	9.34	83	1639424	58.421	ug/L	99
40) 1,2-Dichloropropane	9.37	63	836909	49.720	ug/L	99
41) Bromodichloromethane	9.65	83	970162	47.982	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	1237902	53.761	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	1123964	89.056	ug/L	99

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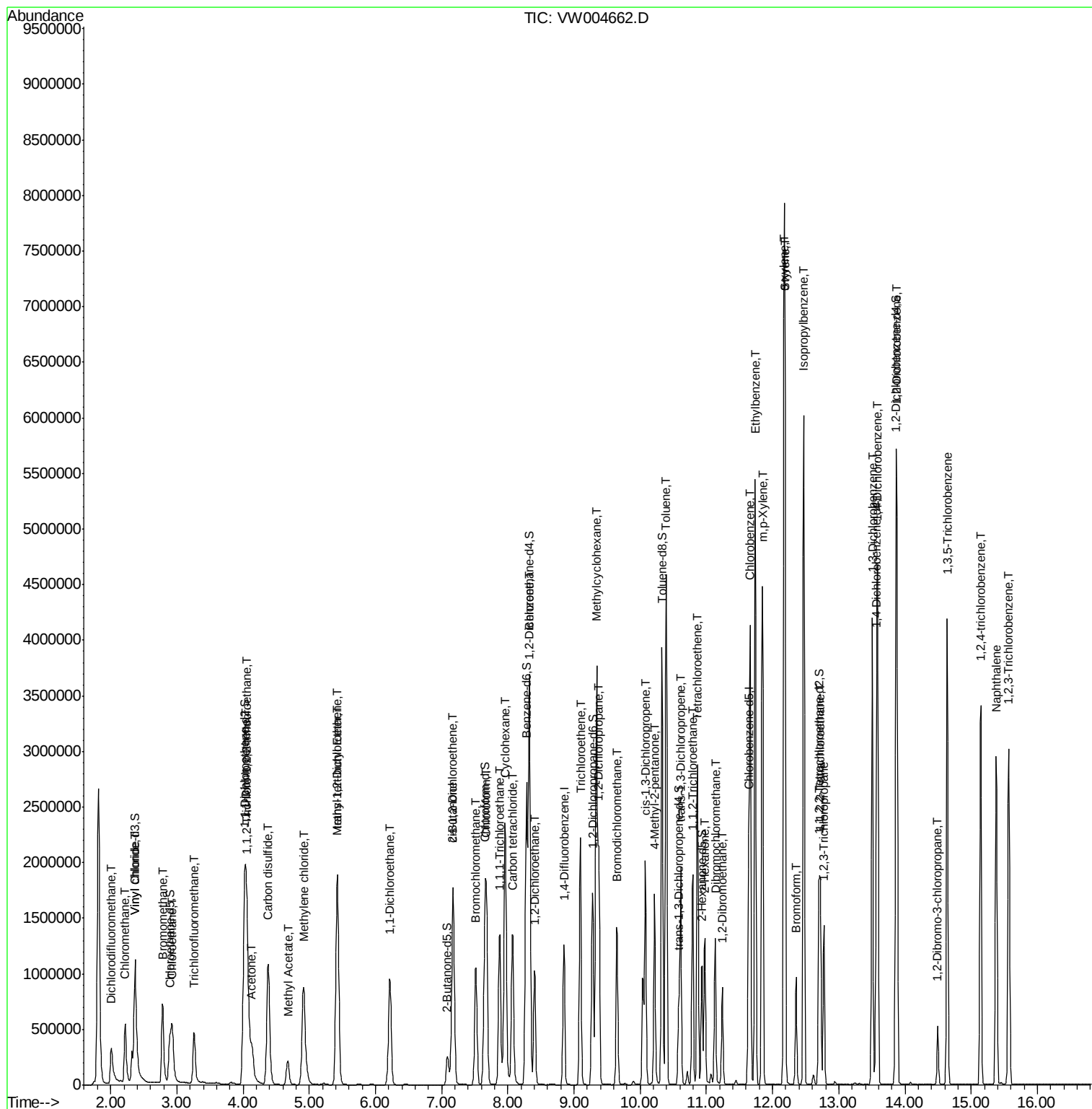
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	3398993	53.145	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	1079871	52.172	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	611469	46.728	ug/L	99
47) Tetrachloroethene	10.87	164	666859	52.722	ug/L	99
49) 2-Hexanone	10.98	43	823412	86.818	ug/L	99
50) Dibromochloromethane	11.13	129	709420	48.871	ug/L	97
51) 1,2-Dibromoethane	11.24	107	609529	48.593	ug/L	97
52) Chlorobenzene	11.66	112	2197183	50.799	ug/L	99
53) Ethylbenzene	11.74	91	3875387	53.923	ug/L	100
54) m,p-Xylene	11.85	106	1485894	55.416	ug/L	98
55) o-xylene	12.17	106	1425006	56.088	ug/L	98
56) Styrene	12.19	104	2480215	56.023	ug/L	100
57) Isopropylbenzene	12.47	105	3866315	56.220	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	831792	43.795	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	611745	43.126	ug/L	99
62) Bromoform	12.35	173	452666	45.876	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	1722731	50.994	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	1793986	49.411	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	1669548	49.323	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	134732	38.749	ug/L	98
67) 1,3,5-Trichlorobenzene	14.64	180	1385129	51.722	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	1160322	53.555	ug/L	99
69) Naphthalene	15.38	128	2525006	51.104	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	1093148	51.809	ug/L	99

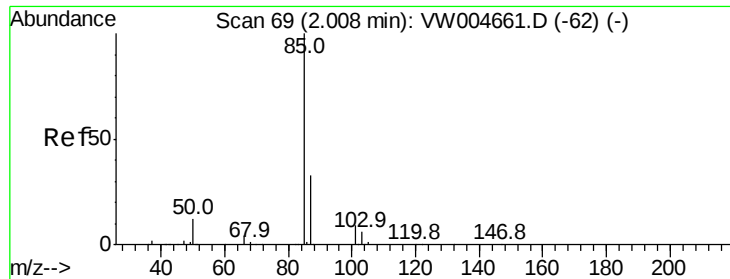
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 58.334 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

Instrument :

MSVOA_W

ClientSampleId :

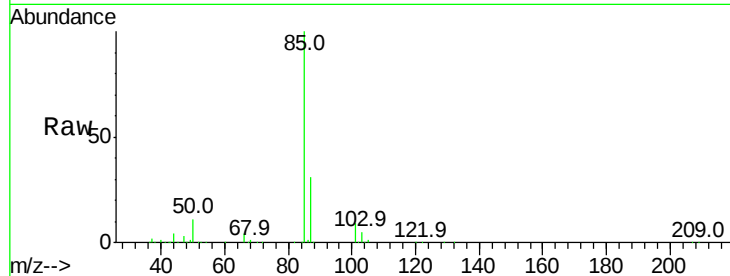
VSTD05093

Tgt Ion: 85 Resp: 650116

Ion Ratio Lower Upper

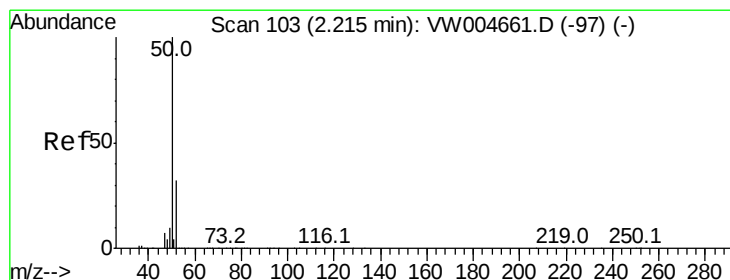
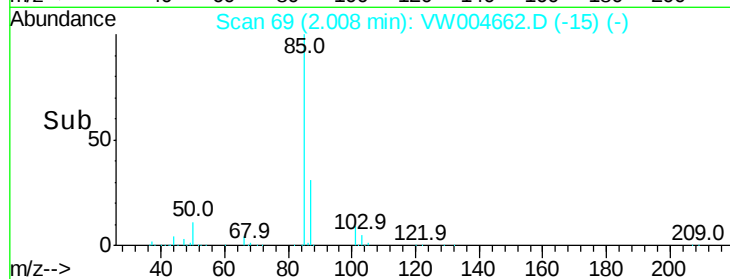
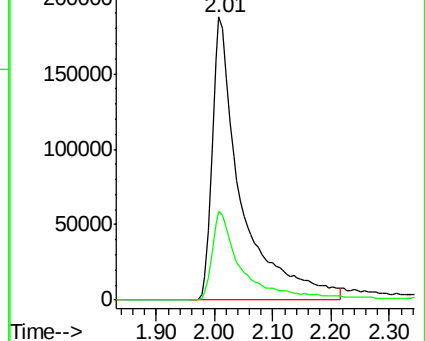
85 100

87 30.0 19.9 37.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 49.846 ug/L

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004662.D

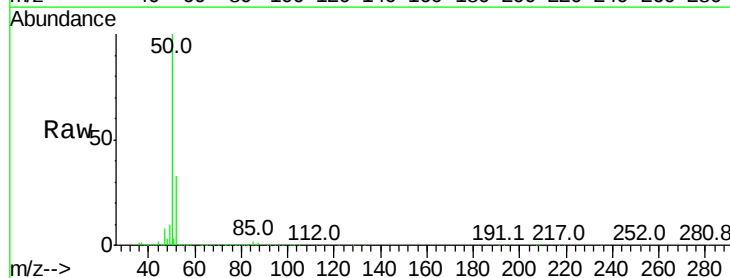
Acq: 14 Aug 2018 11:03

Tgt Ion: 50 Resp: 733748

Ion Ratio Lower Upper

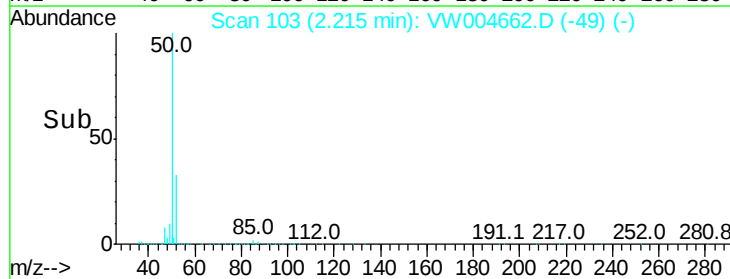
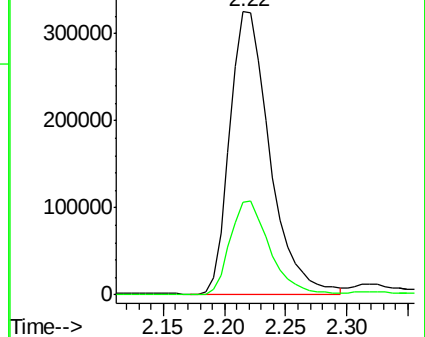
50 100

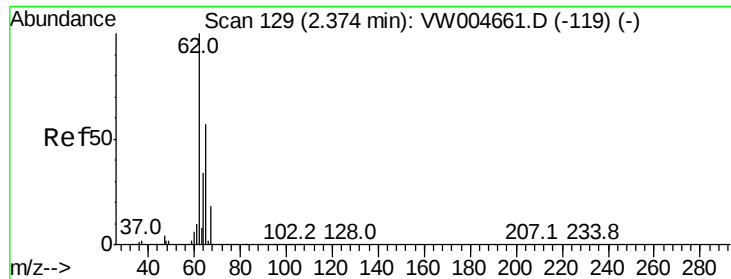
52 32.9 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 53.696 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.01 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

Instrument :

MSVOA_W

ClientSampleId :

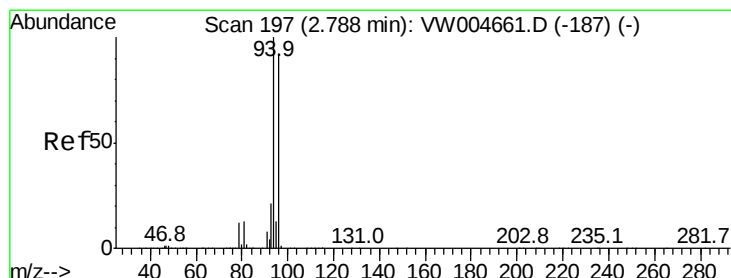
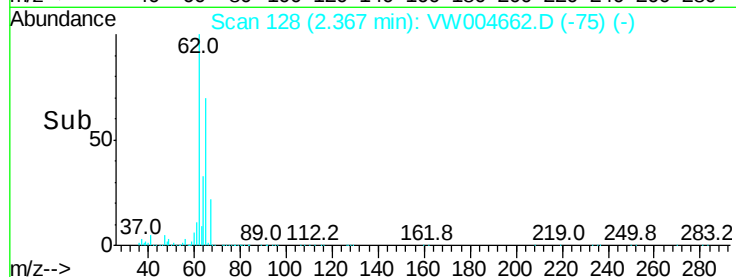
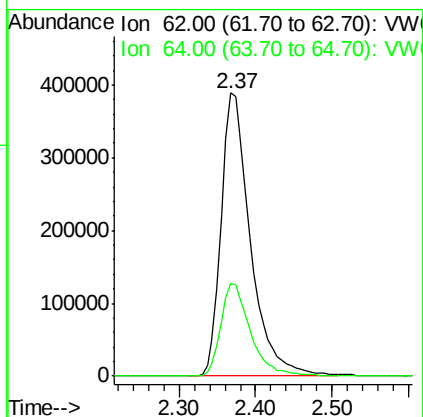
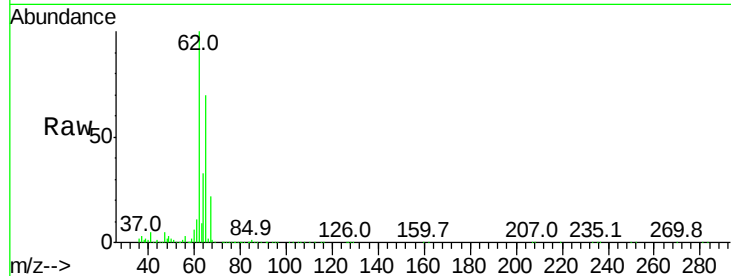
VSTD05093

Tgt Ion: 62 Resp: 1031444

Ion Ratio Lower Upper

62 100

64 32.8 23.7 43.9



#6

Bromomethane

Concen: 54.526 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.01 min

Lab File: VW004662.D

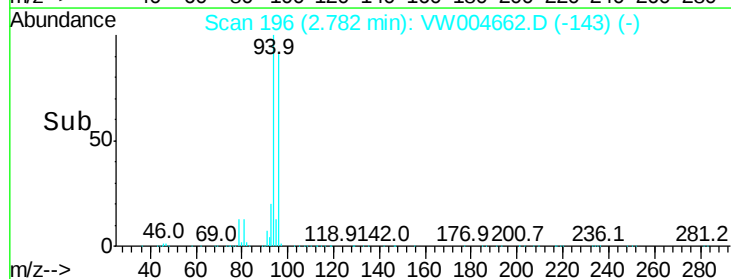
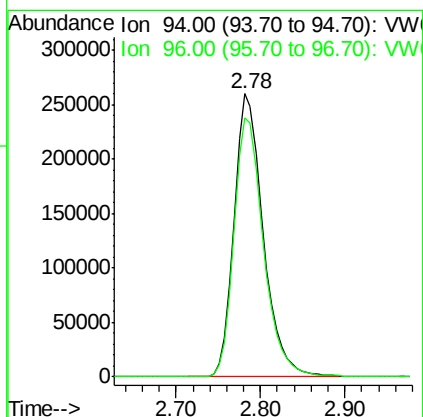
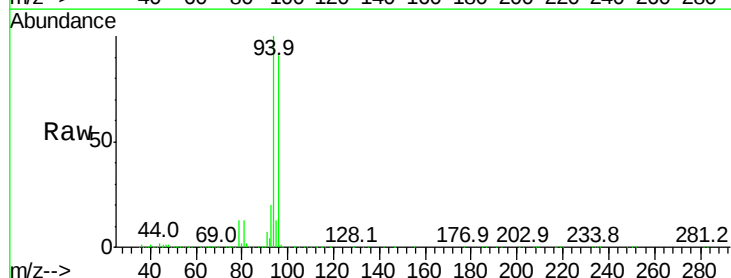
Acq: 14 Aug 2018 11:03

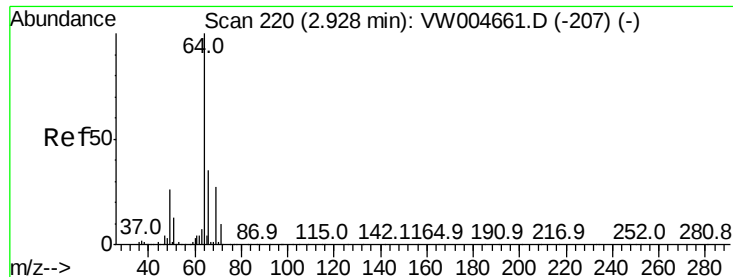
Tgt Ion: 94 Resp: 605750

Ion Ratio Lower Upper

94 100

96 92.9 9.3 177.7





#8

Chloroethane

Concen: 51.456 ug/L

RT: 2.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

Instrument :

MSVOA_W

ClientSampleId :

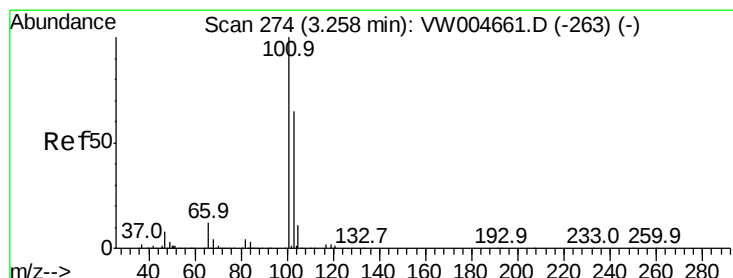
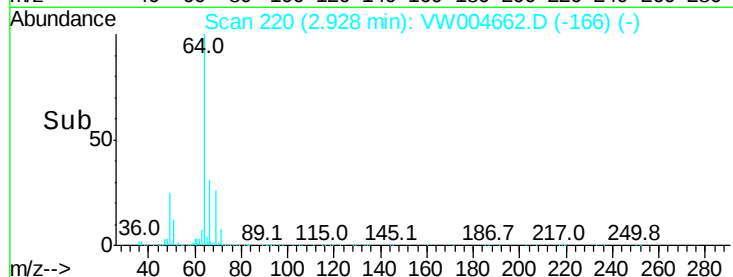
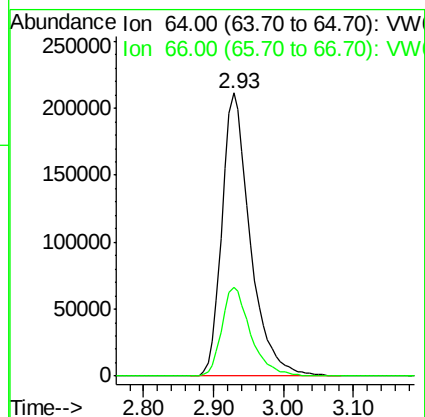
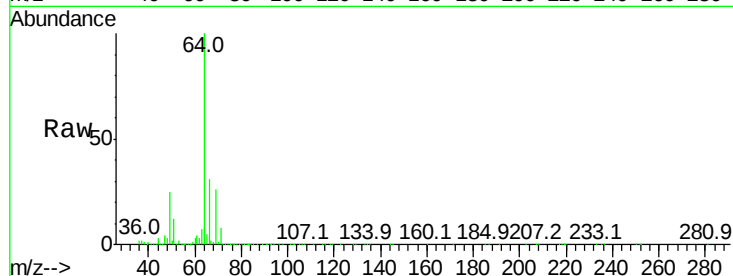
VSTD05093

Tgt Ion: 64 Resp: 592978

Ion Ratio Lower Upper

64 100

66 31.5 24.2 45.0



#9

Trichlorofluoromethane

Concen: 62.041 ug/L

RT: 3.26 min Scan# 274

Delta R.T. -0.00 min

Lab File: VW004662.D

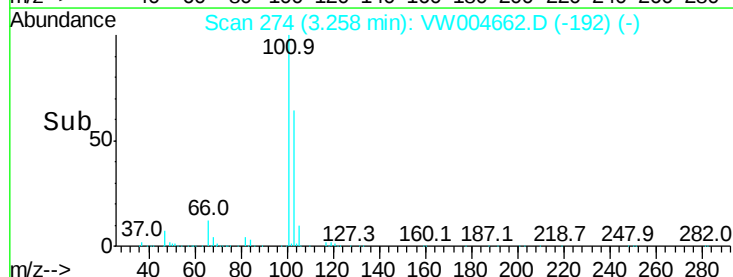
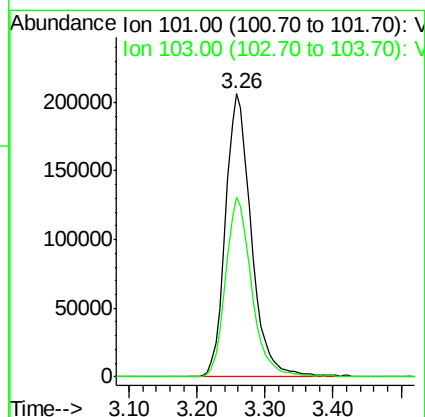
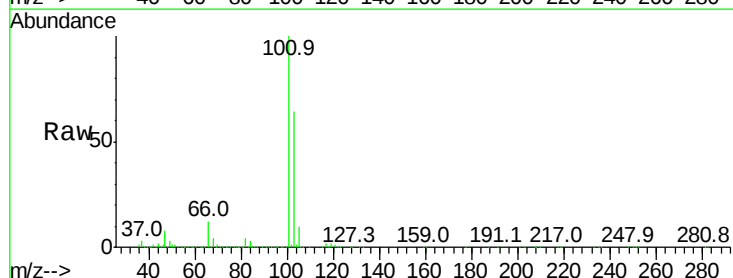
Acq: 14 Aug 2018 11:03

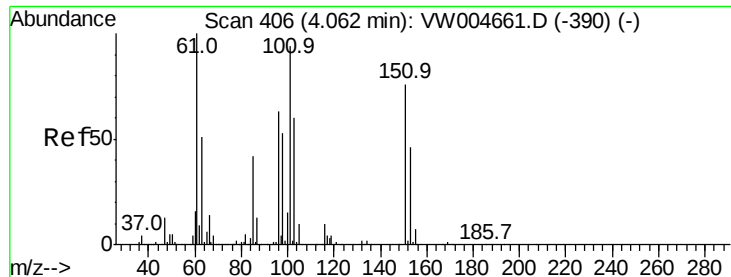
Tgt Ion: 101 Resp: 543593

Ion Ratio Lower Upper

101 100

103 63.8 45.1 83.7





#11

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

Concen: 52.091 ug/L

RT: 4.06 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD05093

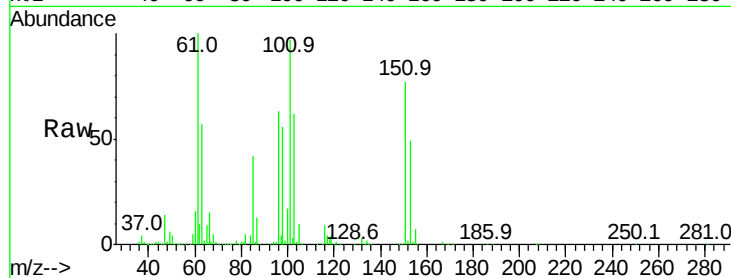
Tgt Ion:101 Resp: 792464

Ion Ratio Lower Upper

101 100

85 43.1 33.2 49.8

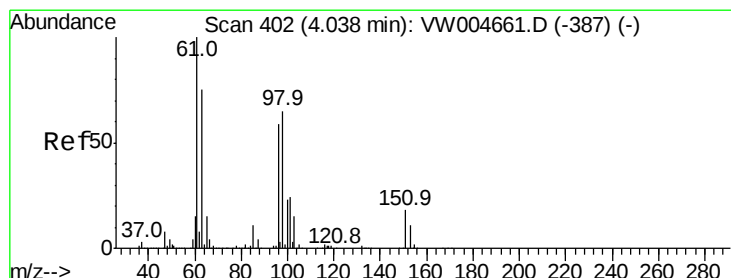
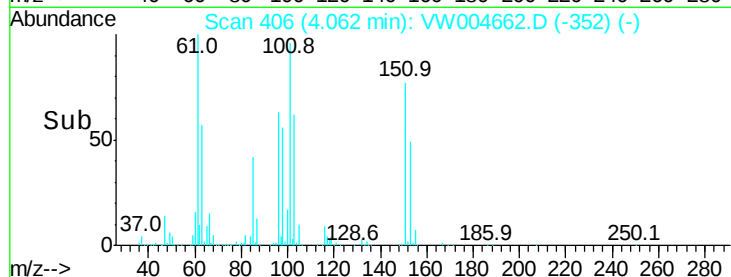
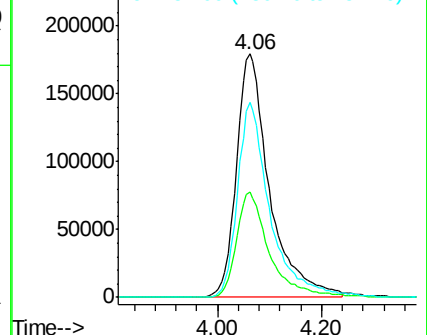
151 78.3 63.0 94.6



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: 51.956 ug/L

RT: 4.03 min Scan# 401

Delta R.T. -0.01 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

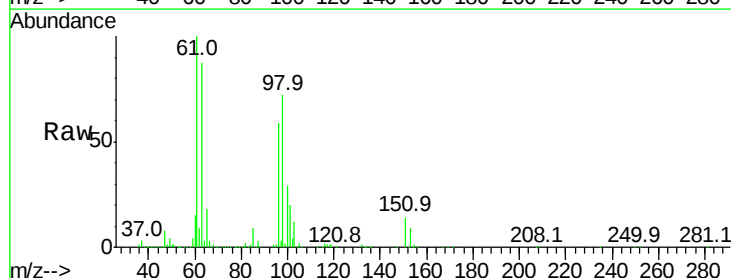
Tgt Ion: 96 Resp: 772209

Ion Ratio Lower Upper

96 100

61 170.2 118.9 220.7

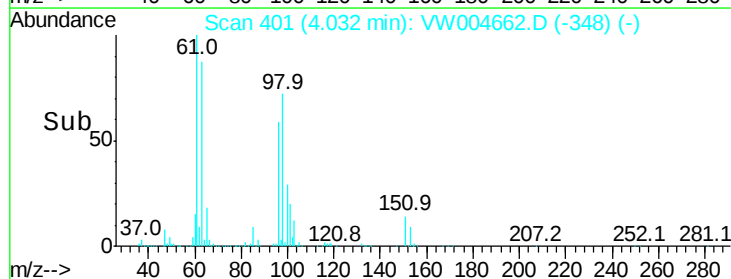
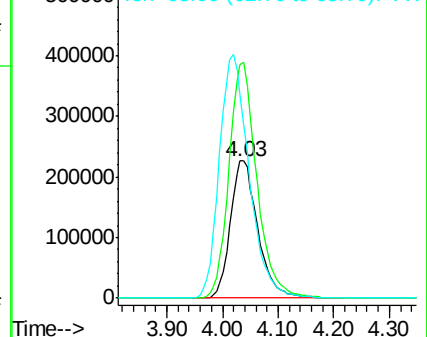
63 148.3 88.9 165.1

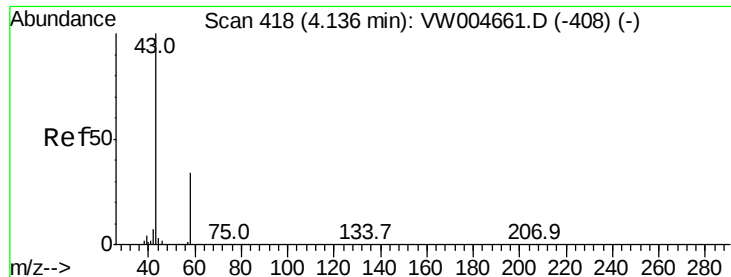


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 69.744 ug/L

RT: 4.14 min Scan# 418

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

Instrument :

MSVOA_W

ClientSampled :

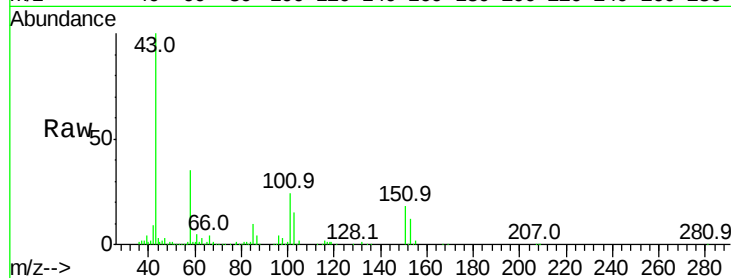
VSTD05093

Tgt Ion: 43 Resp: 355213

Ion Ratio Lower Upper

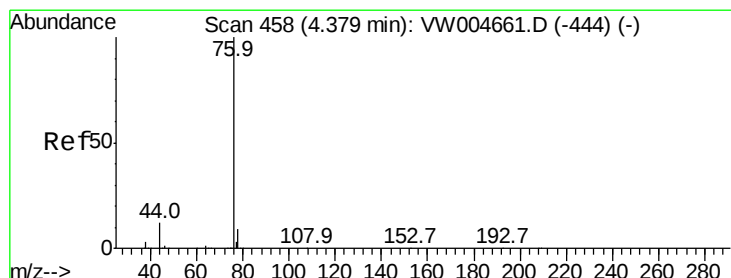
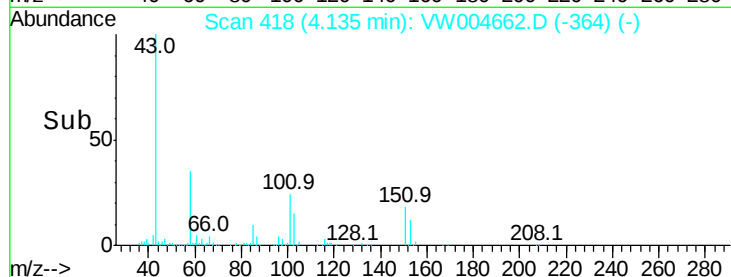
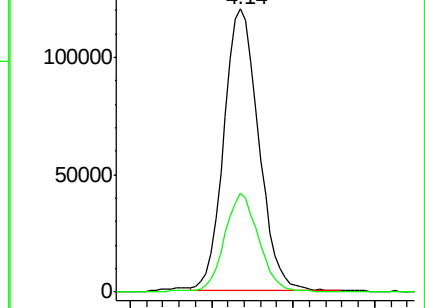
43 100

58 34.9 0.0 69.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 59.501 ug/L

RT: 4.38 min Scan# 458

Delta R.T. -0.00 min

Lab File: VW004662.D

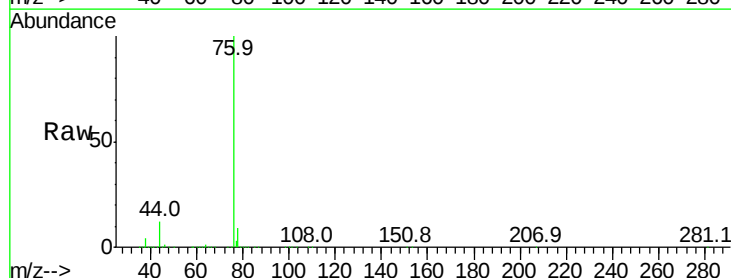
Acq: 14 Aug 2018 11:03

Tgt Ion: 76 Resp: 2712638

Ion Ratio Lower Upper

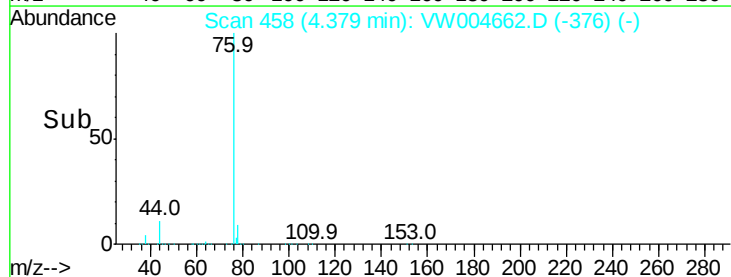
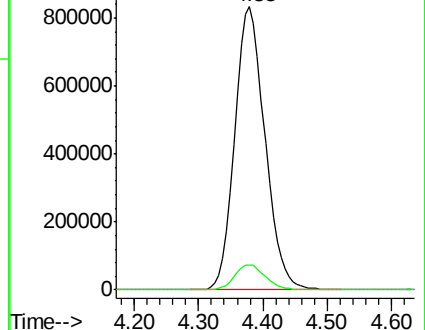
76 100

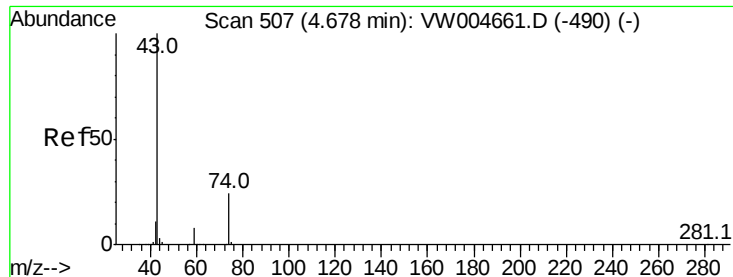
78 8.9 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

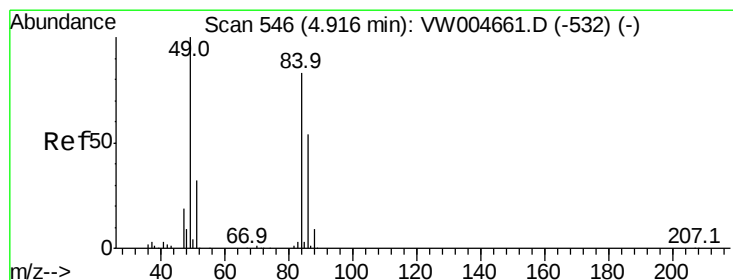
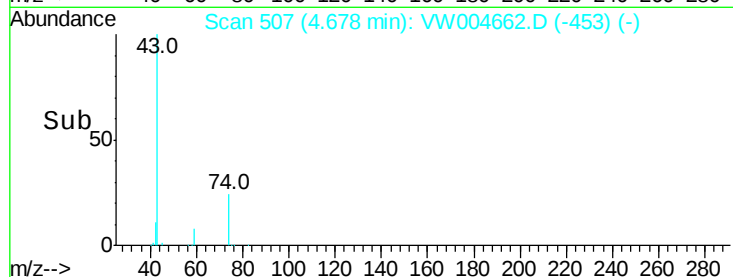
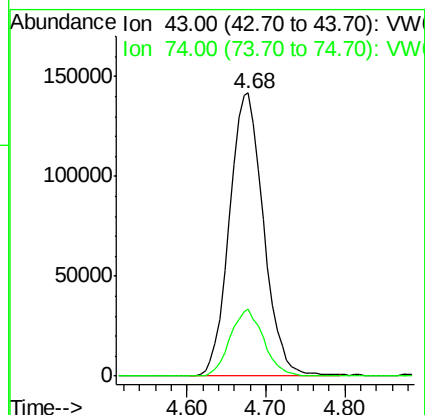
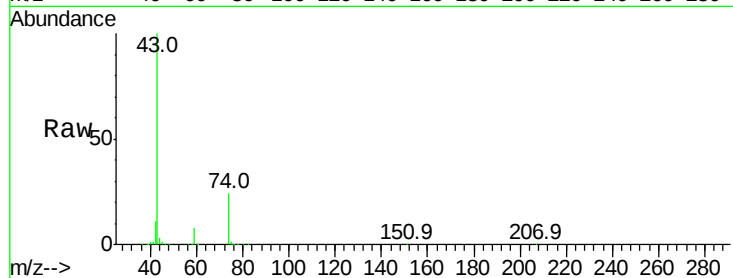




#15
Methyl Acetate
Concen: 40.808 ug/L
RT: 4.68 min Scan# 507
Delta R.T. -0.00 min
Lab File: VW004662.D
Acq: 14 Aug 2018 11:03

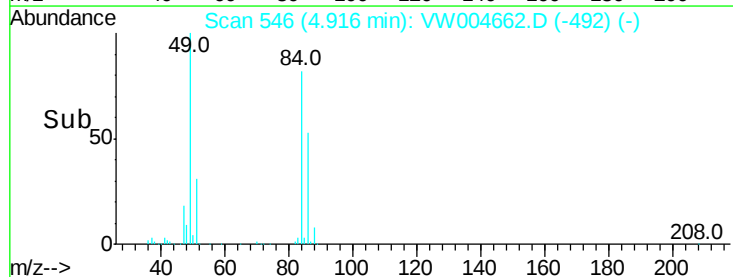
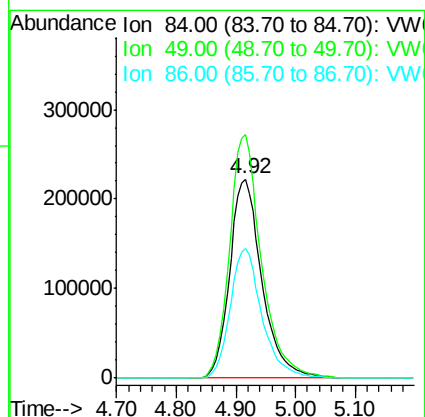
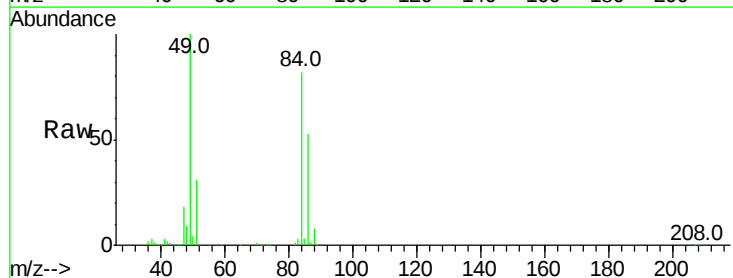
Instrument :
MSVOA_W
ClientSampleId :
VSTD05093

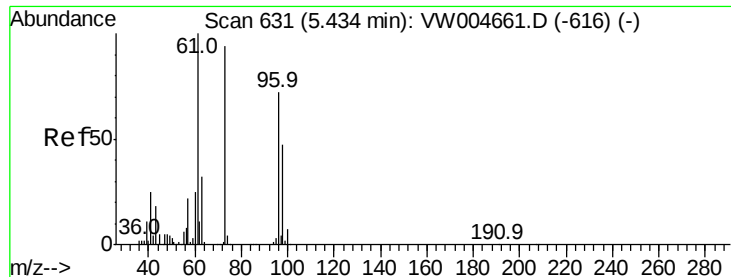
Tgt Ion: 43 Resp: 423615
Ion Ratio Lower Upper
43 100
74 23.3 18.8 28.2



#16
Methylene chloride
Concen: 39.169 ug/L
RT: 4.92 min Scan# 546
Delta R.T. -0.00 min
Lab File: VW004662.D
Acq: 14 Aug 2018 11:03

Tgt Ion: 84 Resp: 833921
Ion Ratio Lower Upper
84 100
49 122.3 84.9 157.7
86 65.0 45.7 84.9

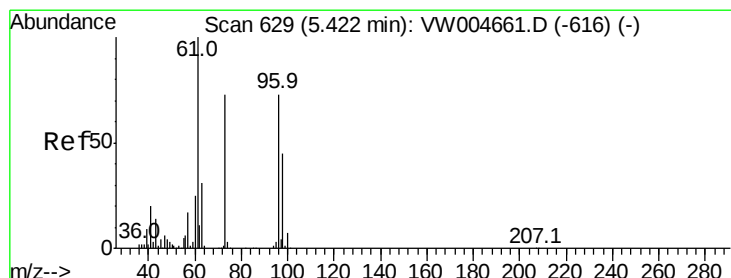
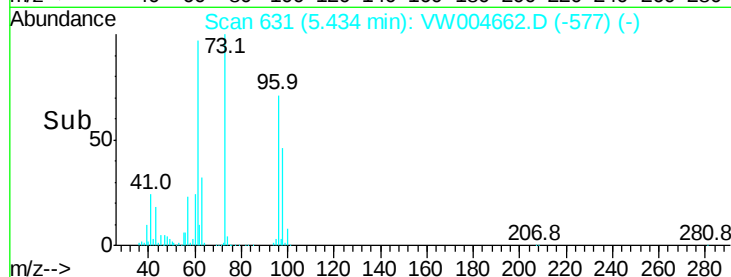
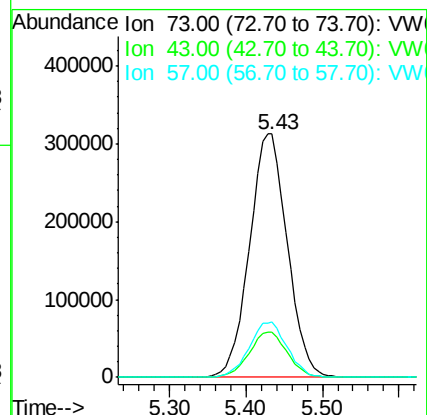
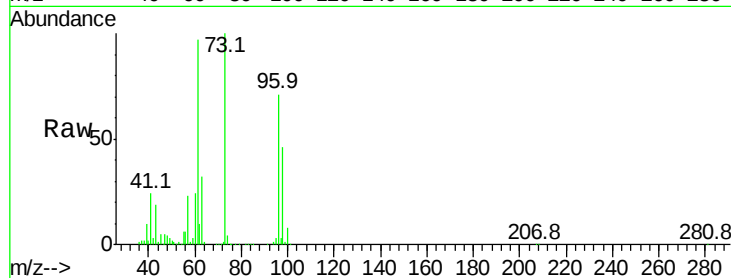




#17
Methyl tert-butyl Ether
Concen: 53.334 ug/L
RT: 5.43 min Scan# 631
Delta R.T. -0.00 min
Lab File: VW004662.D
Acq: 14 Aug 2018 11:03

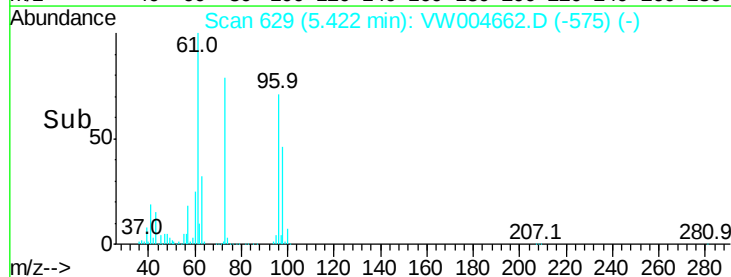
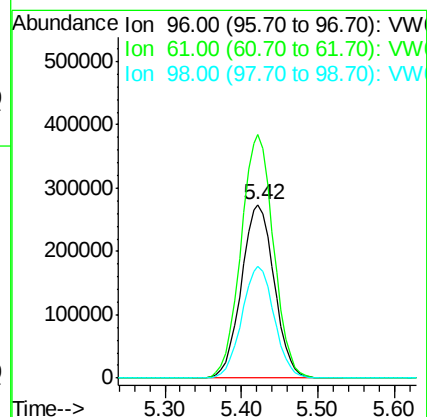
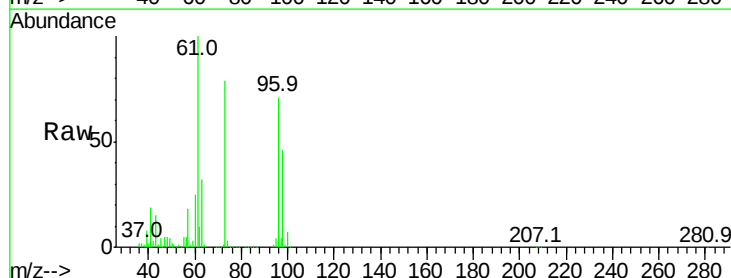
Instrument :
MSVOA_W
ClientSampleId :
VSTD05093

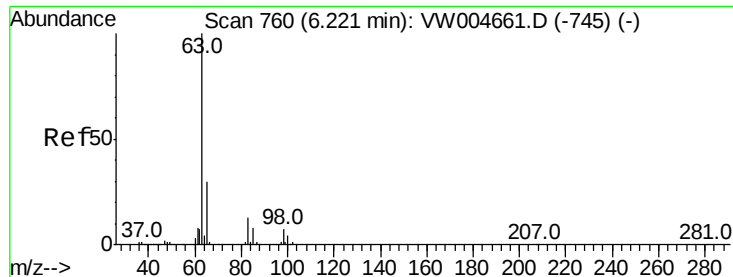
Tgt Ion: 73 Resp: 1072985
Ion Ratio Lower Upper
73 100
43 18.7 15.0 22.6
57 22.8 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 53.662 ug/L
RT: 5.42 min Scan# 629
Delta R.T. -0.00 min
Lab File: VW004662.D
Acq: 14 Aug 2018 11:03

Tgt Ion: 96 Resp: 815634
Ion Ratio Lower Upper
96 100
61 140.5 96.1 178.5
98 64.5 43.3 80.5





#19

1,1-Dichloroethane

Concen: 49.272 ug/L

RT: 6.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD05093

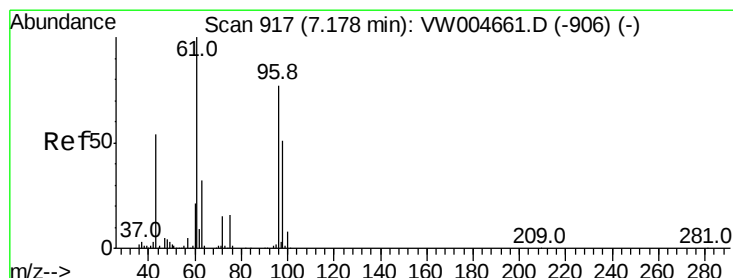
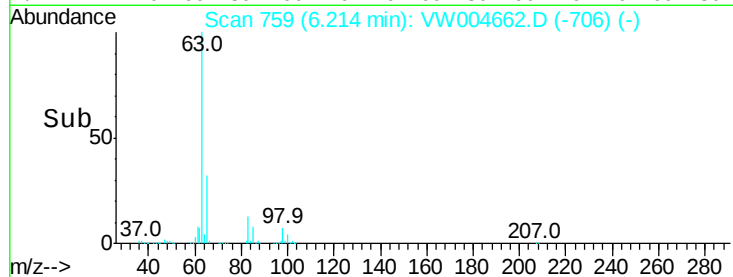
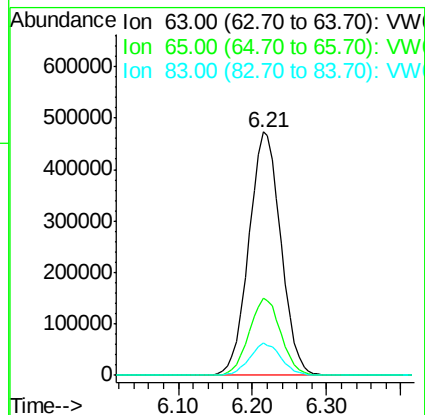
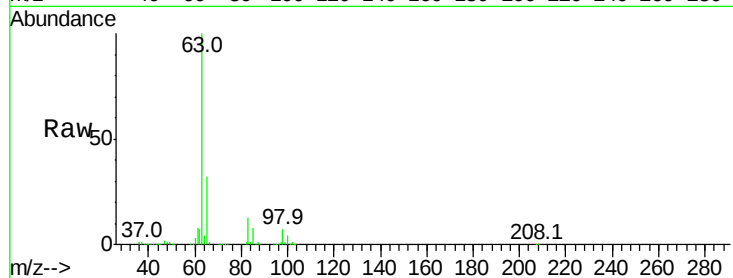
Tgt Ion: 63 Resp: 1421125

Ion Ratio Lower Upper

63 100

65 31.9 21.2 39.4

83 13.1 9.2 17.0



#21

2-Butanone

Concen: 78.706 ug/L

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW004662.D

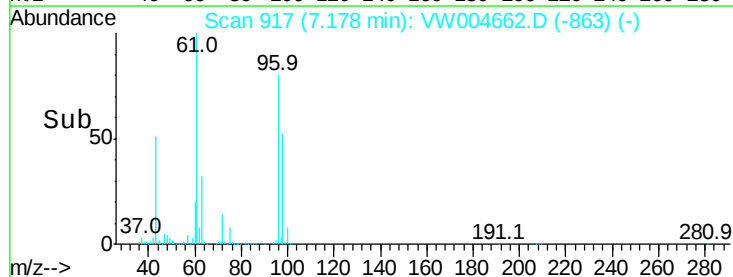
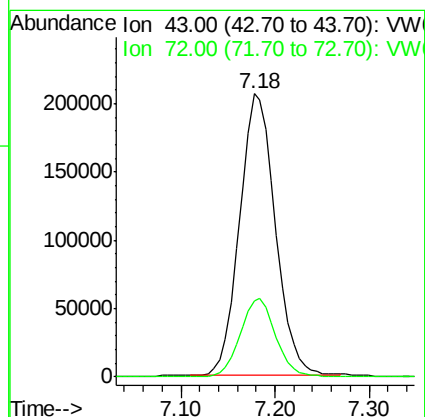
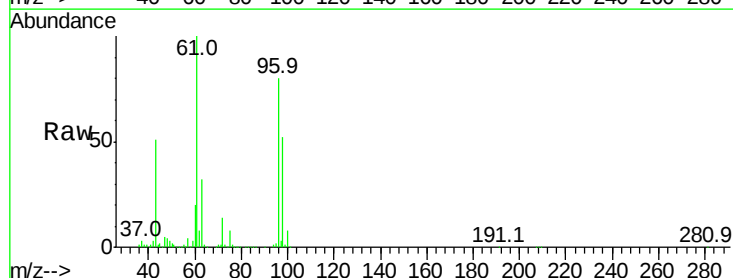
Acq: 14 Aug 2018 11:03

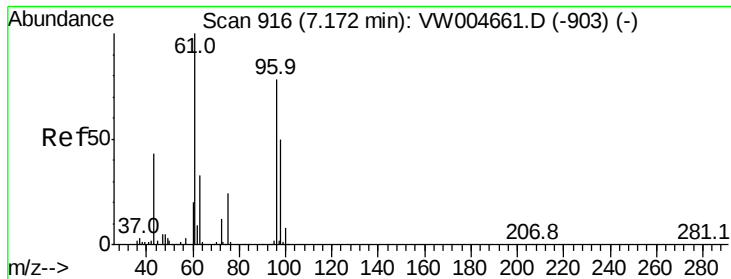
Tgt Ion: 43 Resp: 548678

Ion Ratio Lower Upper

43 100

72 27.4 14.1 42.2



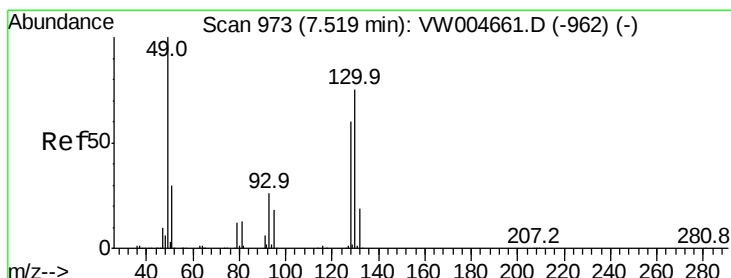
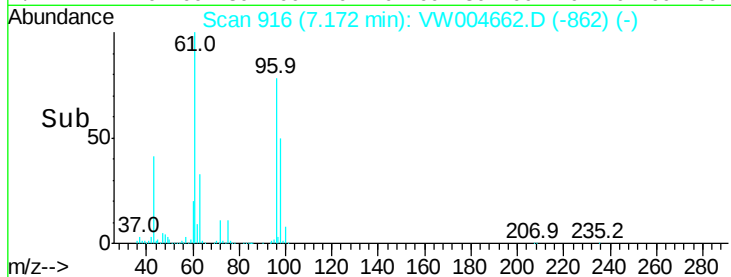
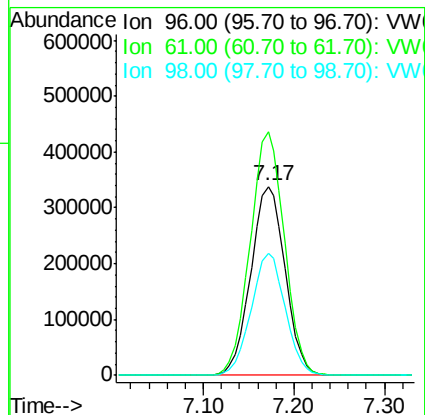
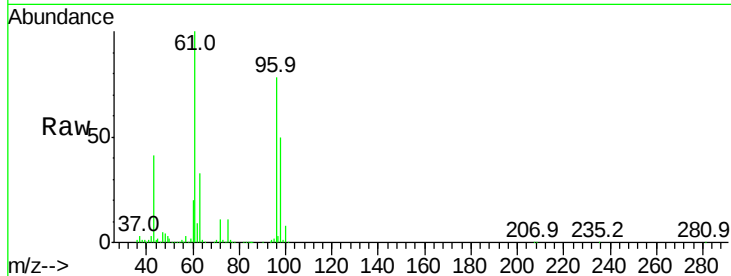


#22

cis-1,2-Dichloroethene
Concen: 53.388 ug/L
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW004662.D
Acq: 14 Aug 2018 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTD05093

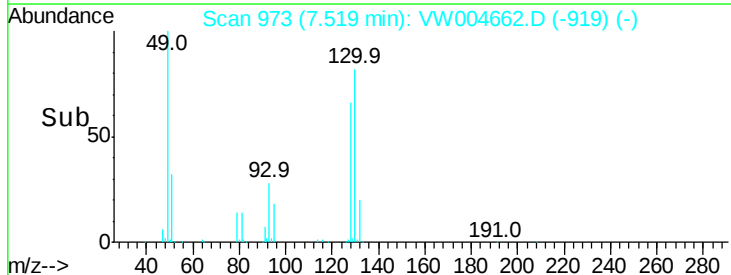
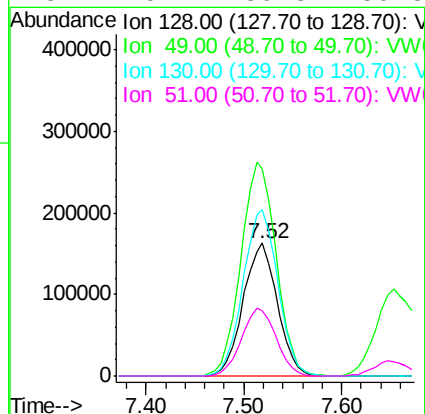
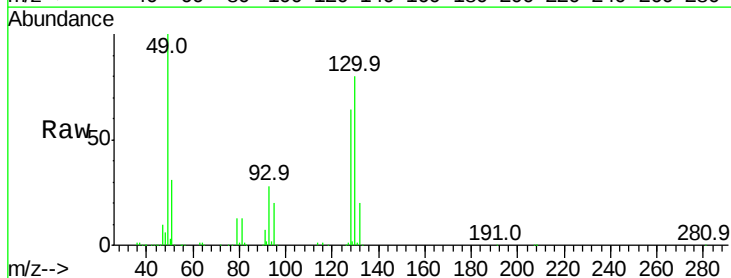
Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.7	89.6	166.4
98	64.6	44.5	82.7

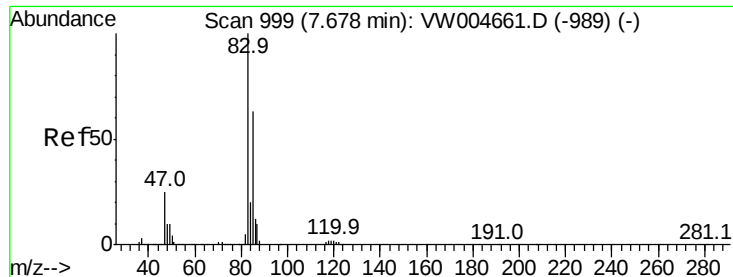


#23

Bromochloromethane
Concen: 49.677 ug/L
RT: 7.52 min Scan# 973
Delta R.T. -0.00 min
Lab File: VW004662.D
Acq: 14 Aug 2018 11:03

Tgt Ion	Ratio	Lower	Upper
128	100		
49	156.5	116.0	215.4
130	125.3	86.6	160.8
51	49.2	39.8	59.8

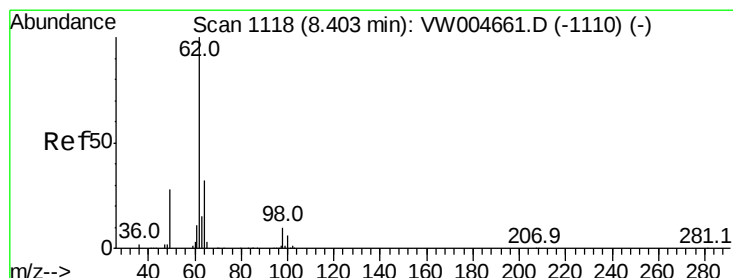
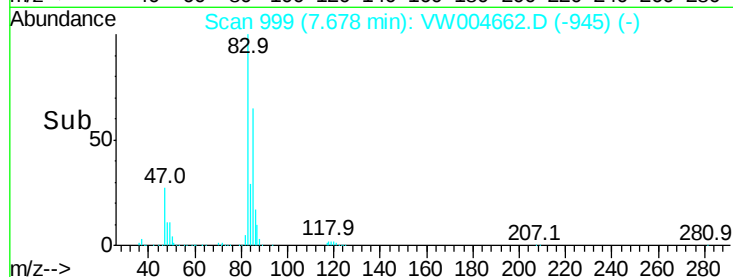
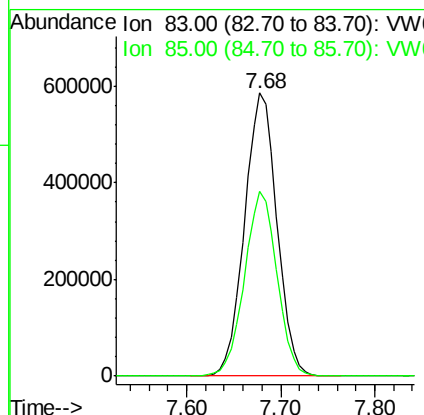
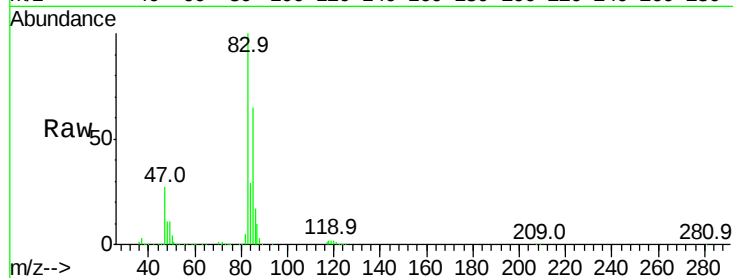




#25
Chloroform
Concen: 47.886 ug/L
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004662.D
Acq: 14 Aug 2018 11:03

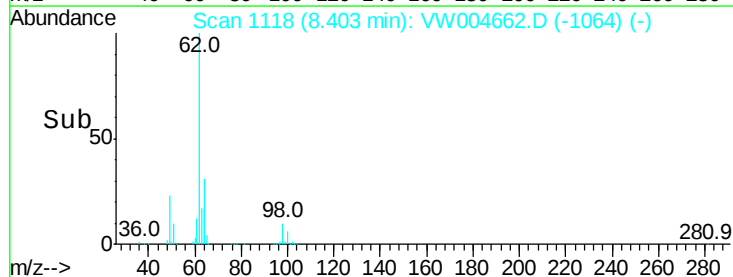
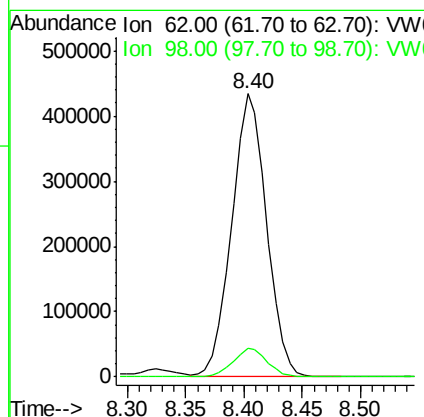
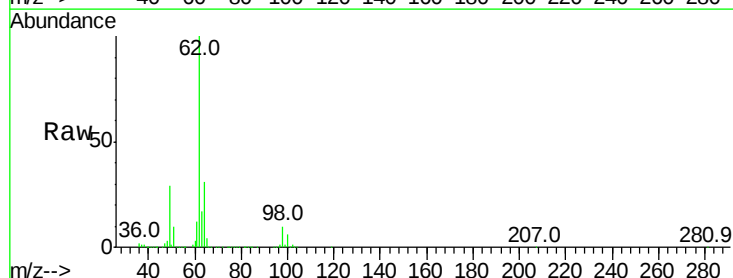
Instrument :
MSVOA_W
ClientSampleId :
VSTD05093

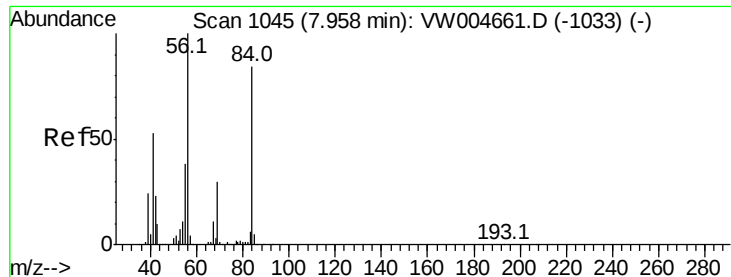
Tgt Ion: 83 Resp: 1409778
Ion Ratio Lower Upper
83 100
85 65.6 45.5 84.5



#27
1,2-Dichloroethane
Concen: 45.663 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004662.D
Acq: 14 Aug 2018 11:03

Tgt Ion: 62 Resp: 903139
Ion Ratio Lower Upper
62 100
98 10.2 7.8 11.8

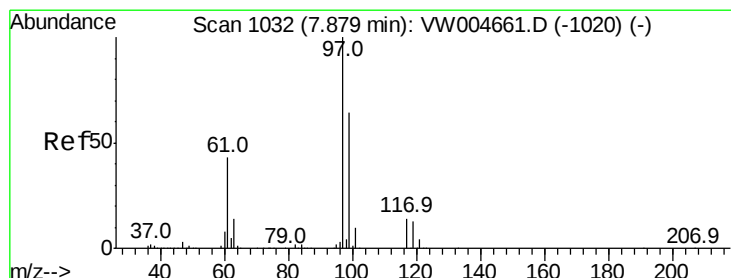
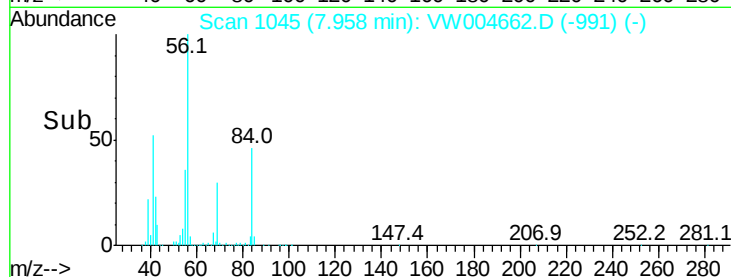
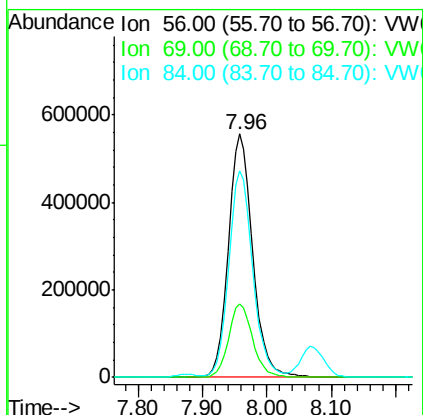
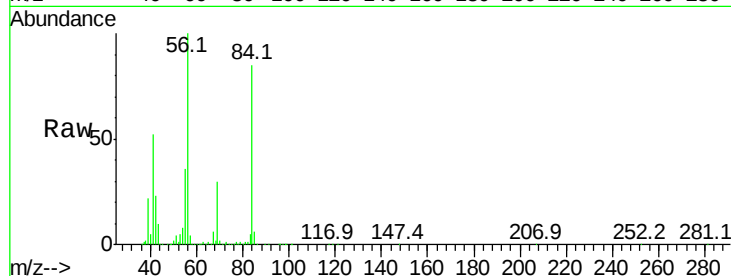




#30
Cyclohexane
Concen: 60.369 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004662.D
Acq: 14 Aug 2018 11:03

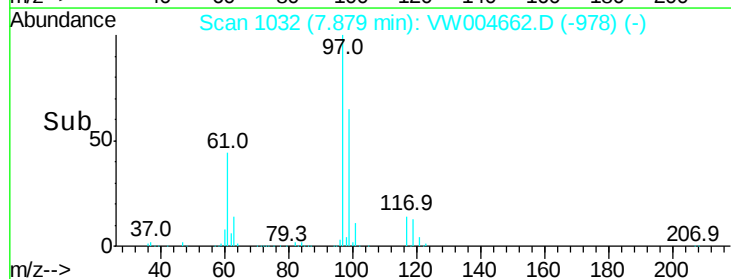
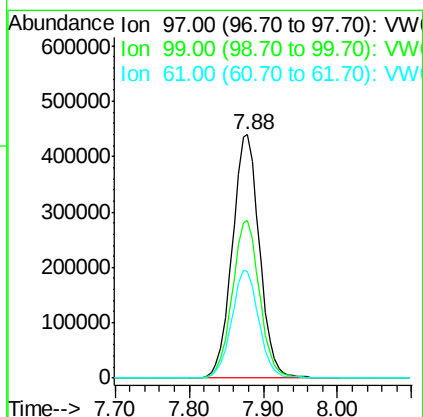
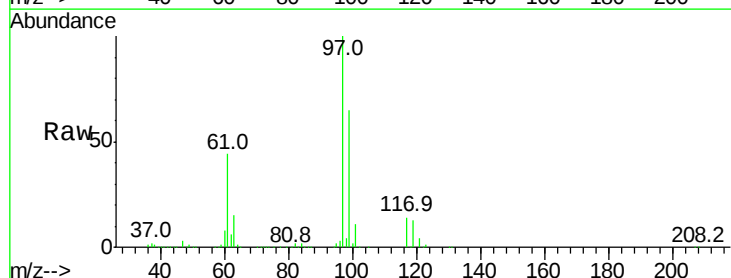
Instrument :
MSVOA_W
ClientSampled :
VSTD05093

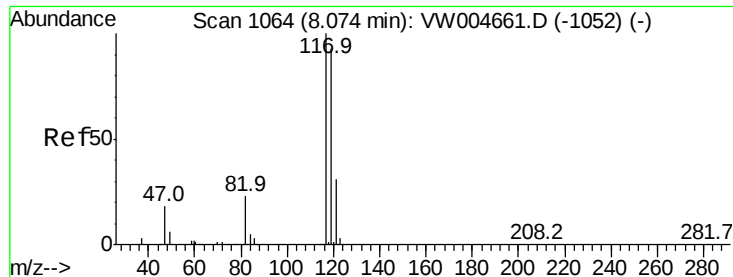
Tgt Ion: 56 Resp: 1471685
Ion Ratio Lower Upper
56 100
69 30.2 23.9 35.9
84 83.7 66.4 99.6



#31
1,1,1-Trichloroethane
Concen: 51.376 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VW004662.D
Acq: 14 Aug 2018 11:03

Tgt Ion: 97 Resp: 1125171
Ion Ratio Lower Upper
97 100
99 64.7 51.3 76.9
61 44.3 35.6 53.4





#32

Carbon tetrachloride

Concen: 51.155 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

Instrument :

MSVOA_W

ClientSampleId :

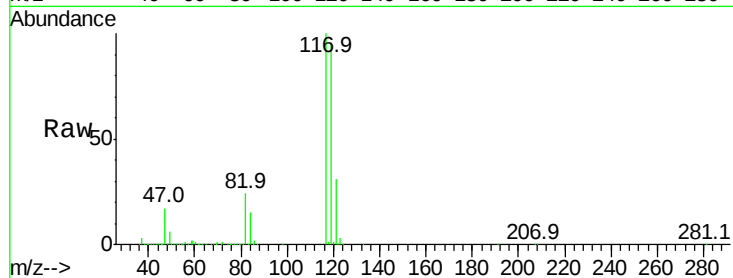
VSTD05093

Tgt Ion:117 Resp: 1079713

Ion Ratio Lower Upper

117 100

119 95.9 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

500000

400000

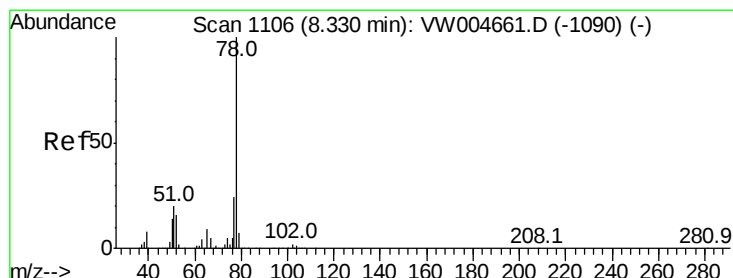
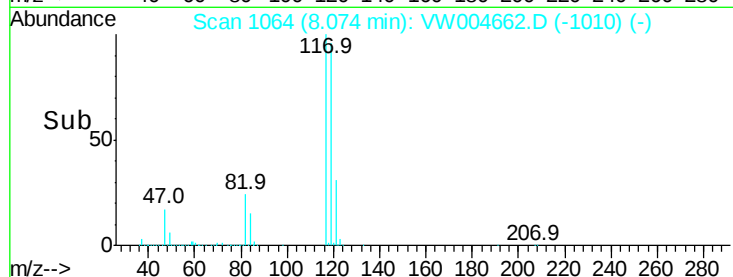
300000

200000

100000

0

Time--> 7.90 8.00 8.10 8.20



#34

Benzene

Concen: 51.734 ug/L

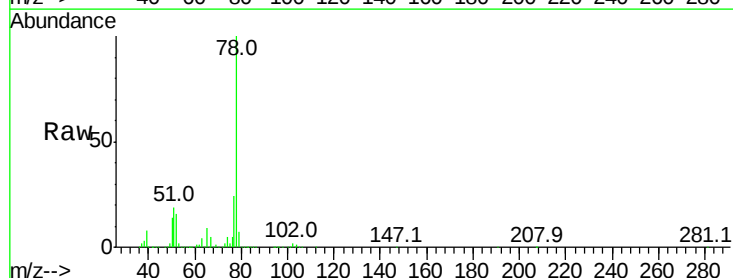
RT: 8.33 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

Tgt Ion: 78 Resp: 3287928



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

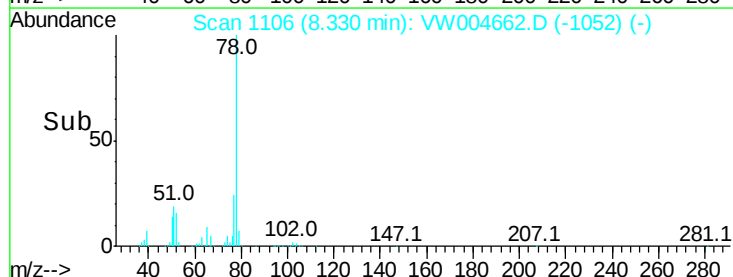
1500000

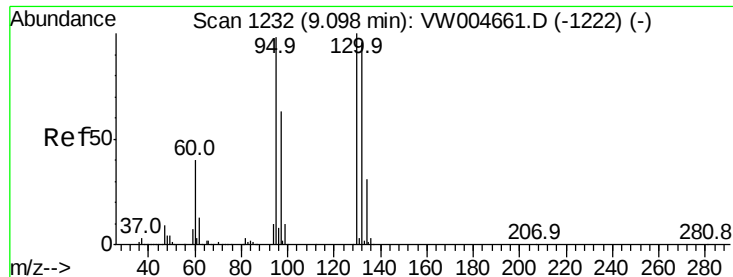
1000000

500000

0

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 51.074 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD05093

Tgt Ion: 95 Resp: 816467

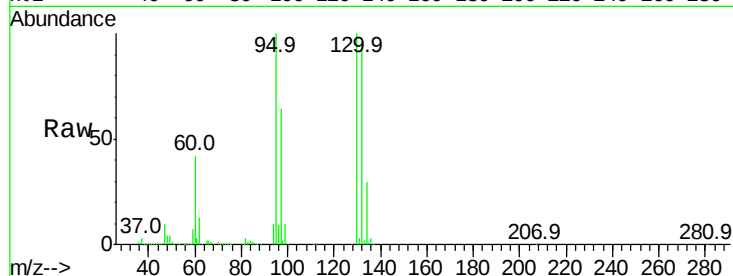
Ion Ratio Lower Upper

95 100

97 64.8 45.1 83.9

132 97.6 68.8 127.8

130 101.2 71.5 132.9

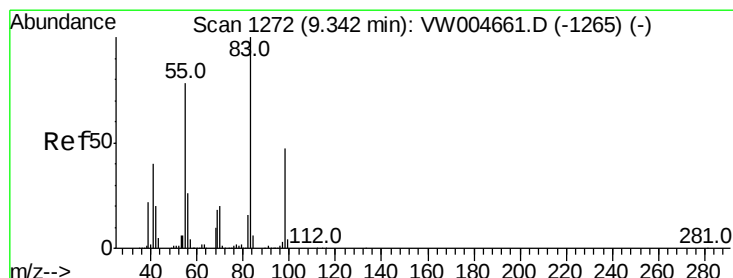
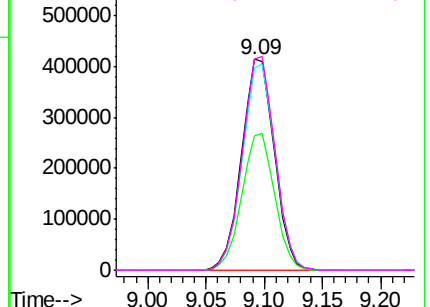
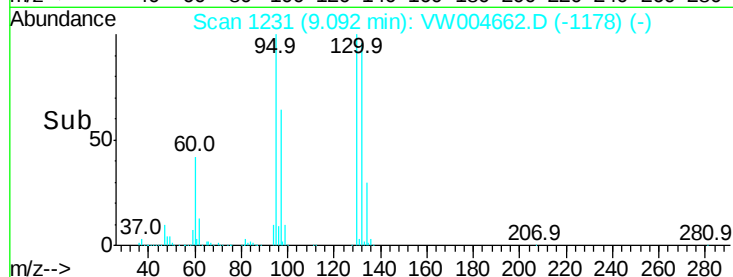


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 58.421 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

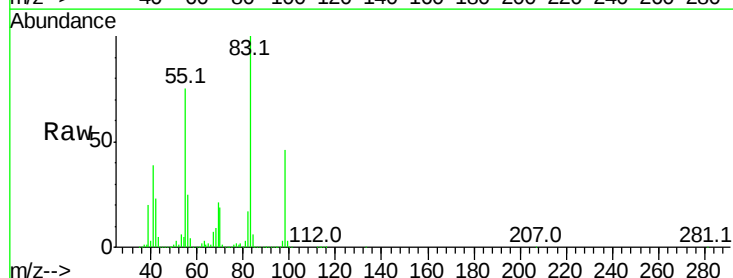
Tgt Ion: 83 Resp: 1639424

Ion Ratio Lower Upper

83 100

55 76.4 61.4 92.2

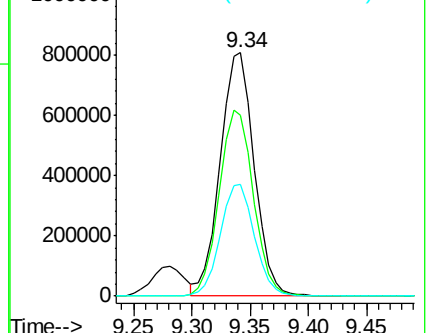
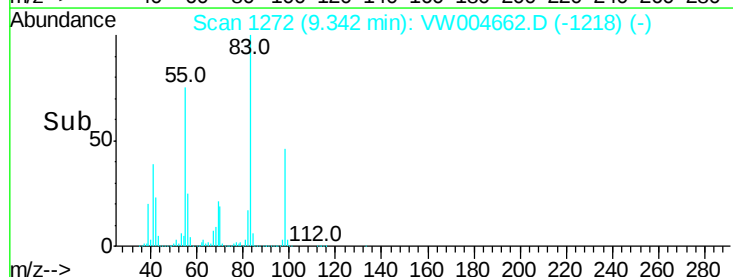
98 46.0 36.2 54.4

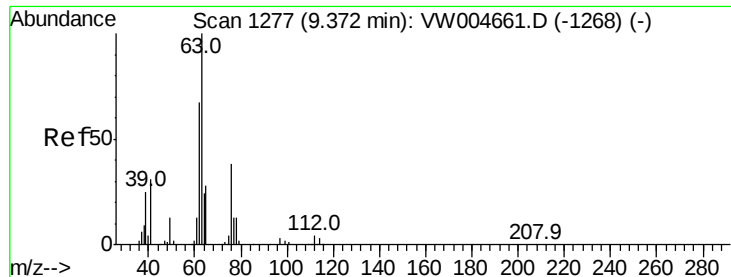


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 49.720 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

Instrument :

MSVOA_W

ClientSampleId :

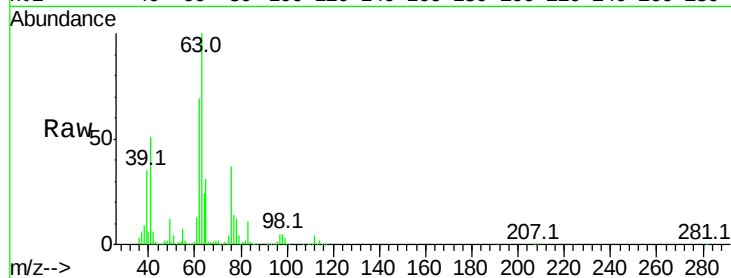
VSTD05093

Tgt Ion: 63 Resp: 836909

Ion Ratio Lower Upper

63 100

112 4.0 3.4 5.0



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

9.37

400000

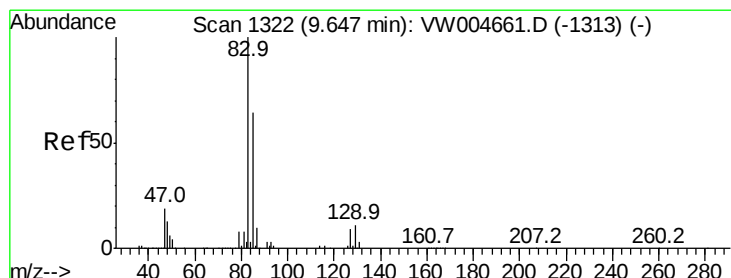
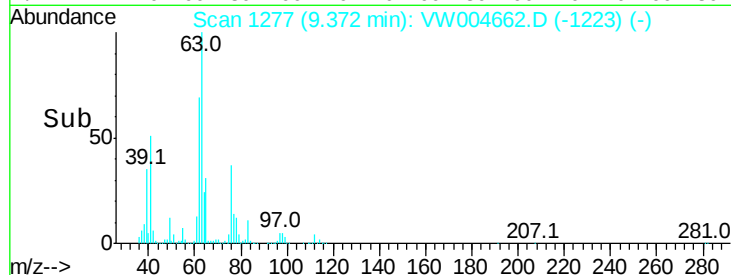
300000

200000

100000

0

Time-->



#41

Bromodichloromethane

Concen: 47.982 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

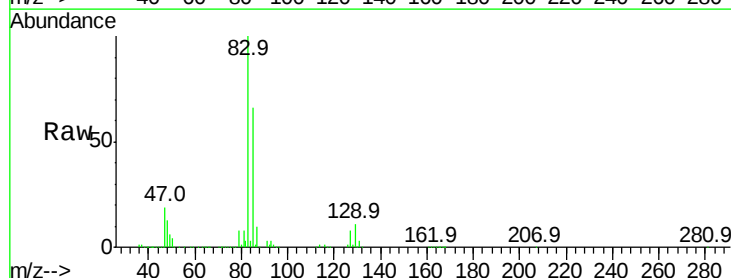
Tgt Ion: 83 Resp: 970162

Ion Ratio Lower Upper

83 100

85 65.5 44.9 83.5

127 8.4 7.0 10.6



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

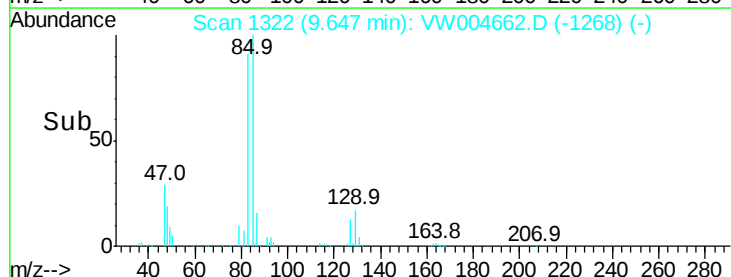
600000

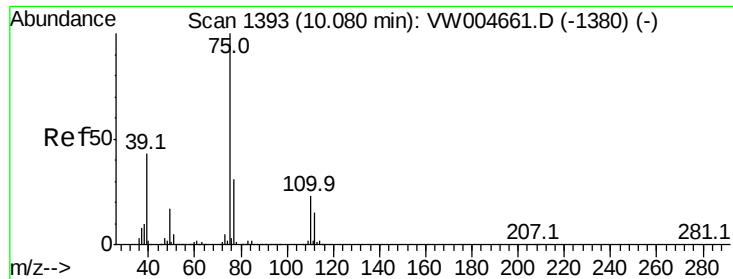
400000

200000

0

Time-->





#42

cis-1,3-Dichloropropene

Concen: 53.761 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

Instrument :

MSVOA_W

ClientSampleId :

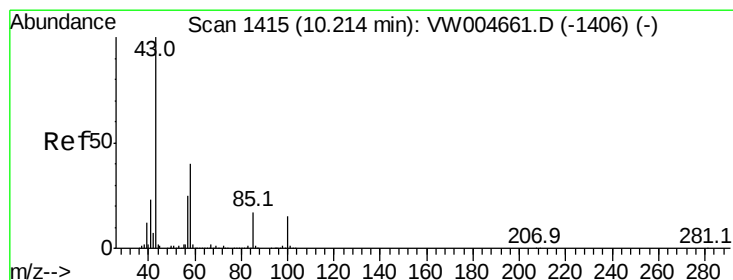
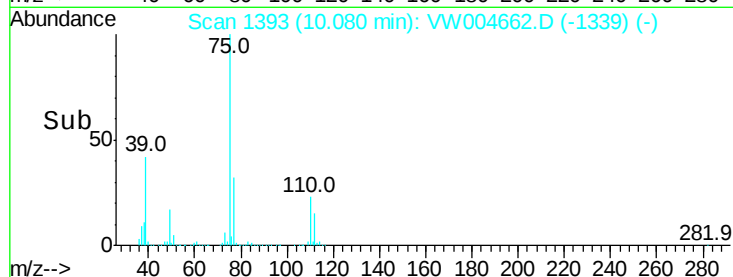
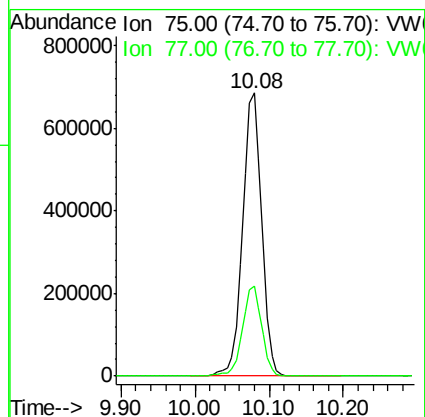
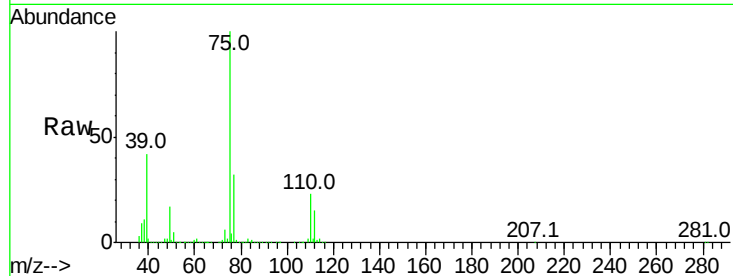
VSTD05093

Tgt Ion: 75 Resp: 1237902

Ion Ratio Lower Upper

75 100

77 31.9 21.7 40.3



#43

4-Methyl-2-pentanone

Concen: 89.056 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

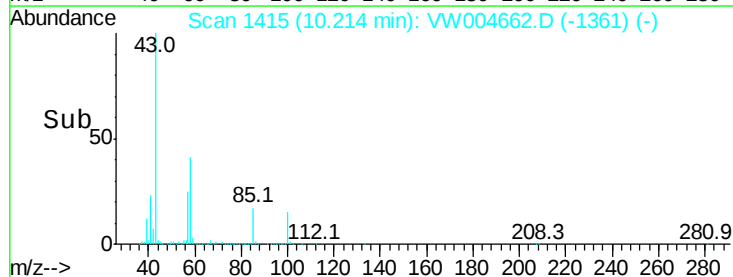
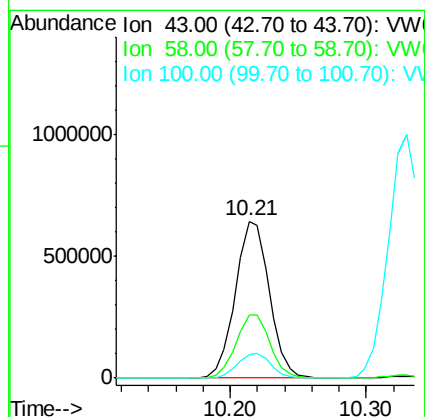
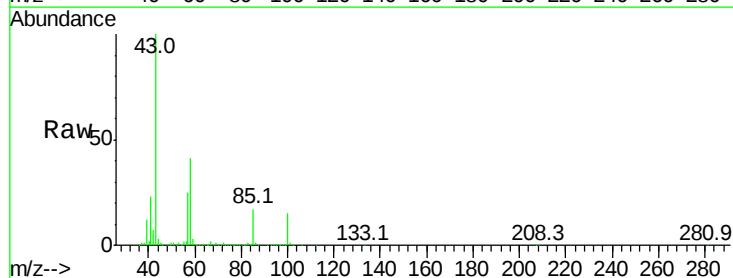
Tgt Ion: 43 Resp: 1123964

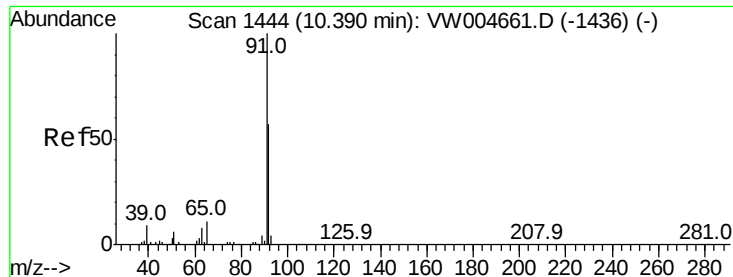
Ion Ratio Lower Upper

43 100

58 40.7 31.8 47.8

100 15.5 12.2 18.4





#44

Toluene

Concen: 53.145 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

Instrument :

MSVOA_W

ClientSampleId :

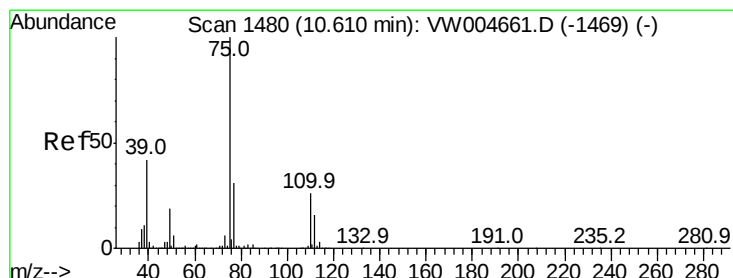
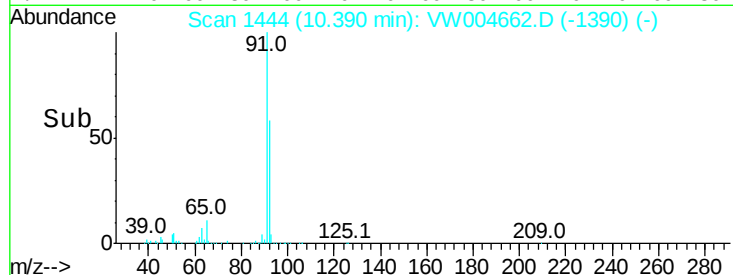
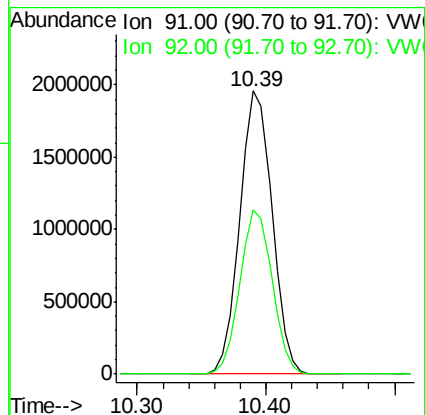
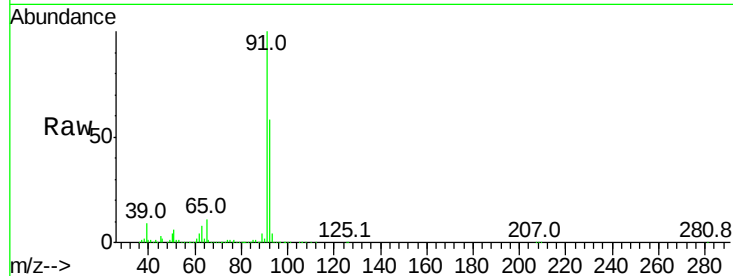
VSTD05093

Tgt Ion: 91 Resp: 3398993

Ion Ratio Lower Upper

91 100

92 58.3 40.3 74.8



#45

trans-1,3-Dichloropropene

Concen: 52.172 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004662.D

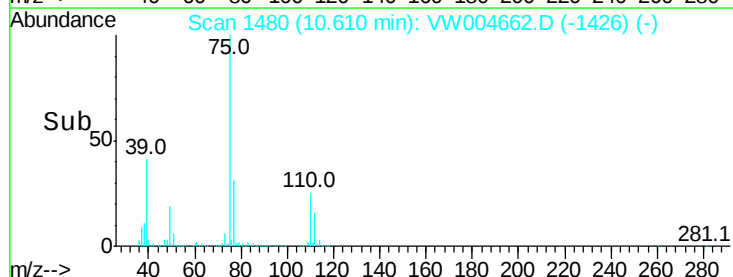
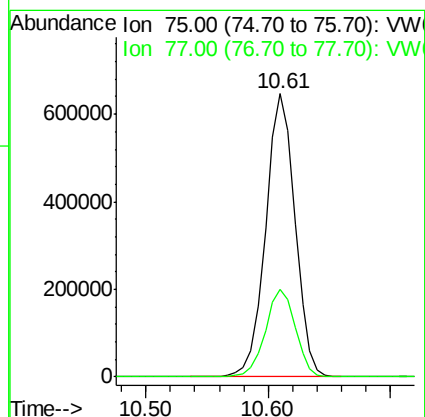
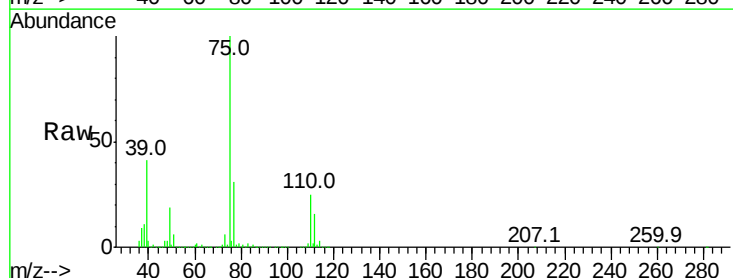
Acq: 14 Aug 2018 11:03

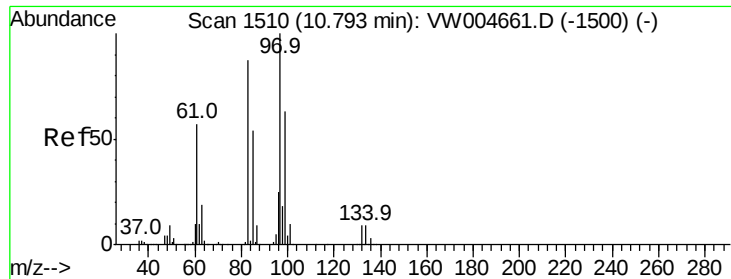
Tgt Ion: 75 Resp: 1079871

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 46.728 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD05093

Tgt Ion: 97 Resp: 611469

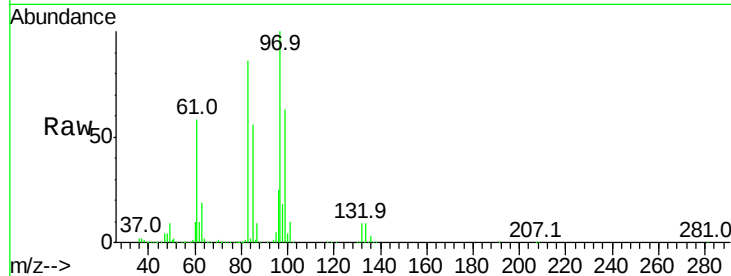
Ion Ratio Lower Upper

97 100

83 86.2 60.6 112.6

85 56.0 37.9 70.5

99 62.8 43.8 81.4

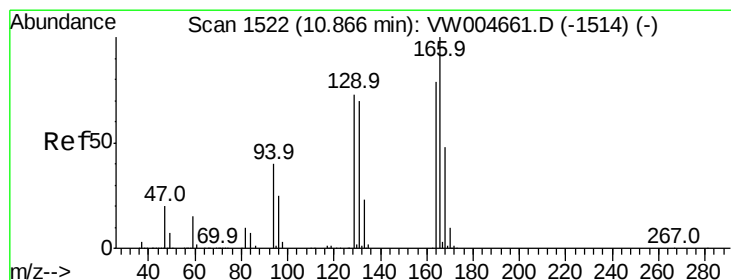
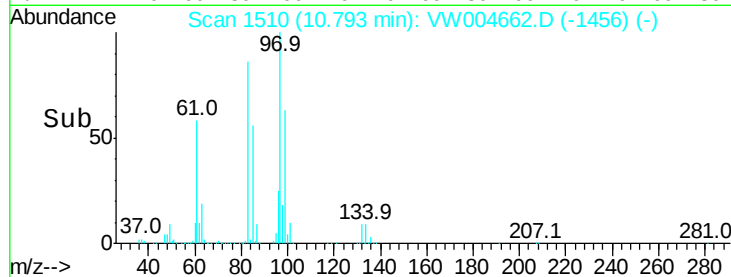
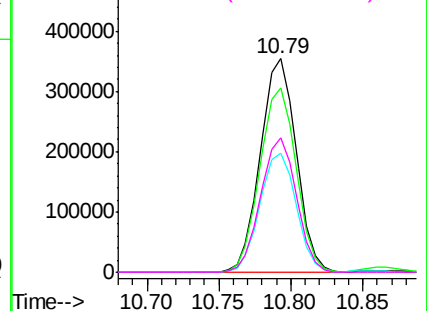


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 52.722 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

Tgt Ion: 164 Resp: 666859

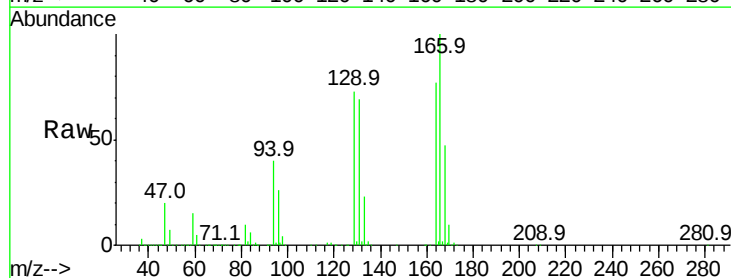
Ion Ratio Lower Upper

164 100

129 93.9 65.0 120.6

131 89.5 62.2 115.4

166 129.3 88.9 165.1

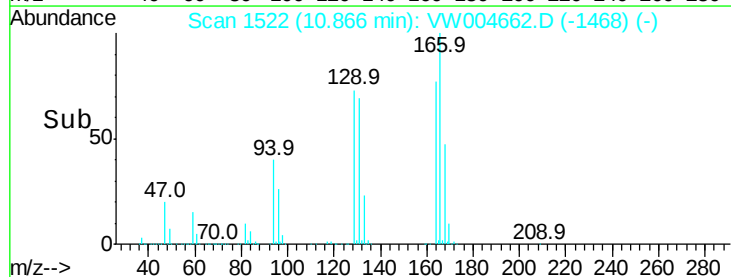
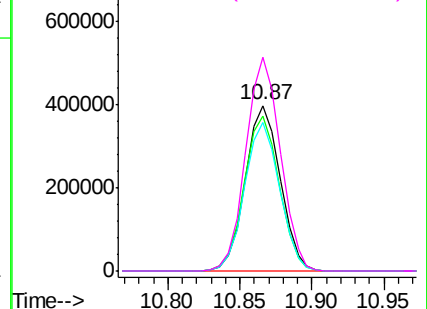


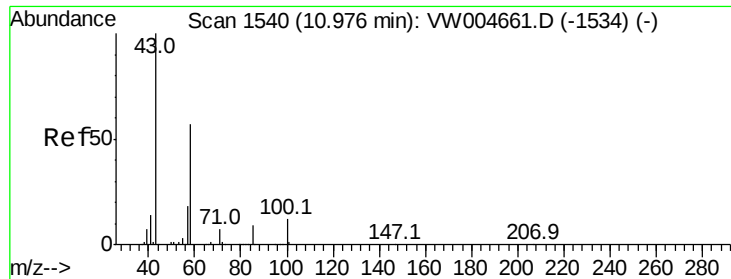
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

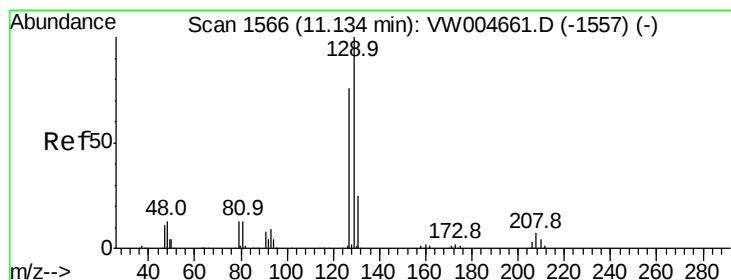
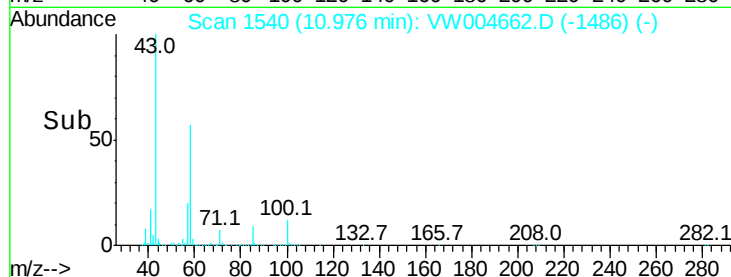
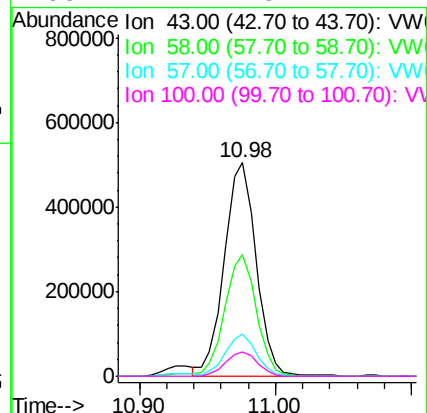
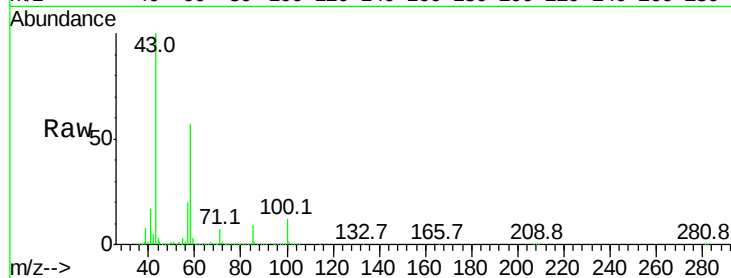




#49
2-Hexanone
Concen: 86.818 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004662.D
Acq: 14 Aug 2018 11:03

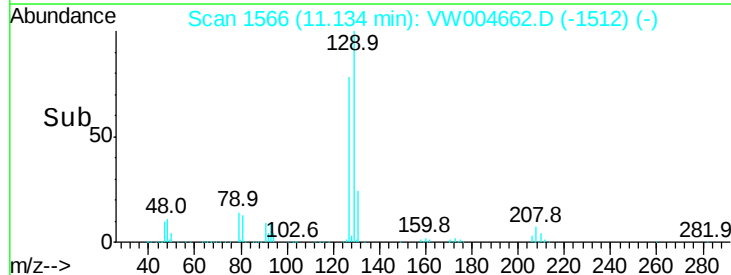
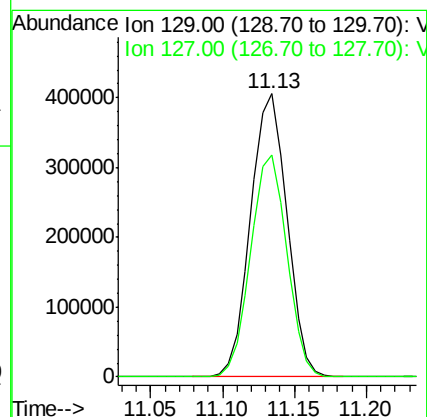
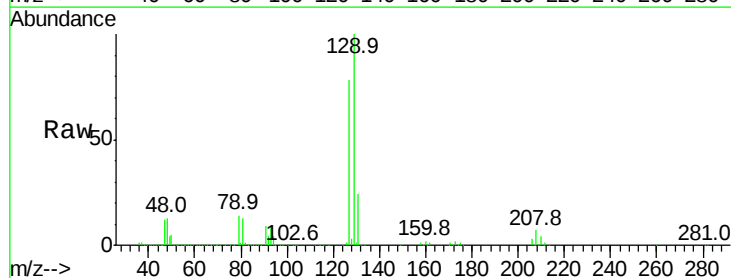
Instrument :
MSVOA_W
ClientSampleId :
VSTD05093

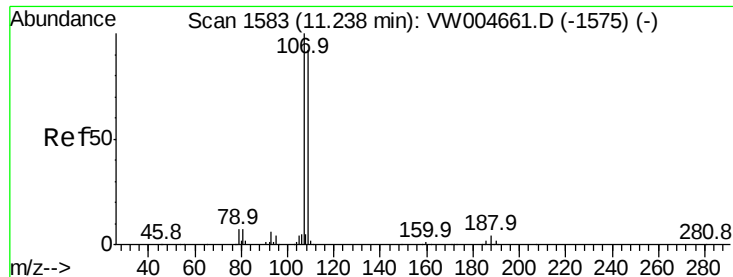
Tgt Ion:	43	Resp:	823412
Ion	Ratio	Lower	Upper
43	100		
58	55.8	44.4	66.6
57	19.2	14.8	22.2
100	11.4	9.4	14.2



#50
Dibromochloromethane
Concen: 48.871 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004662.D
Acq: 14 Aug 2018 11:03

Tgt Ion:	129	Resp:	709420
Ion	Ratio	Lower	Upper
129	100		
127	78.4	53.3	98.9

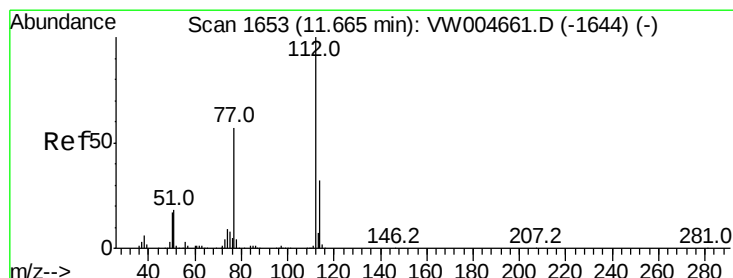
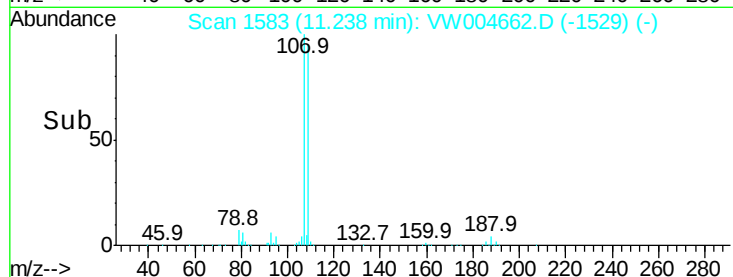
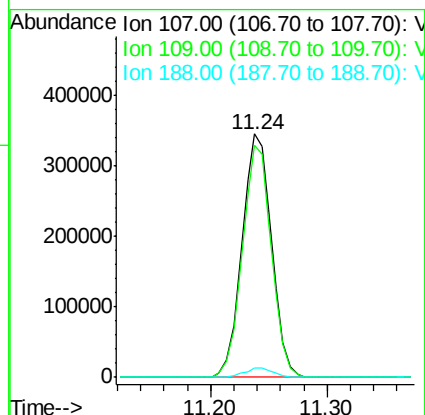
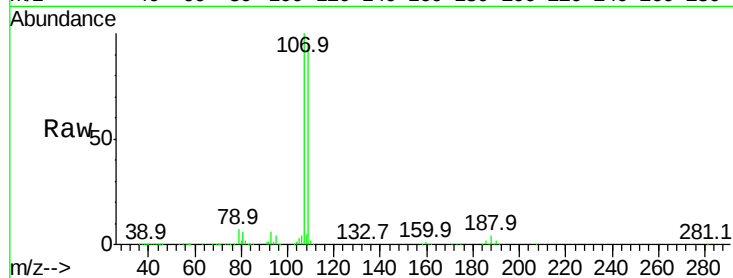




#51
1,2-Dibromoethane
Concen: 48.593 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VW004662.D
Acq: 14 Aug 2018 11:03

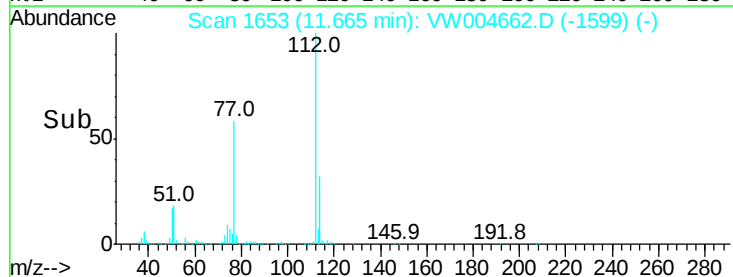
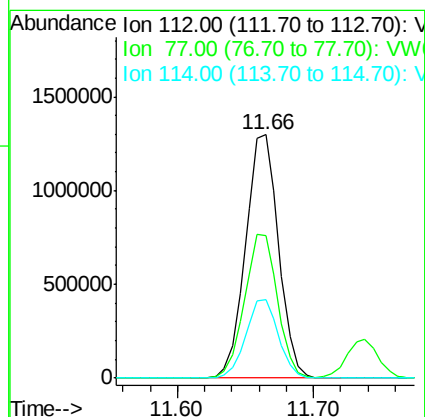
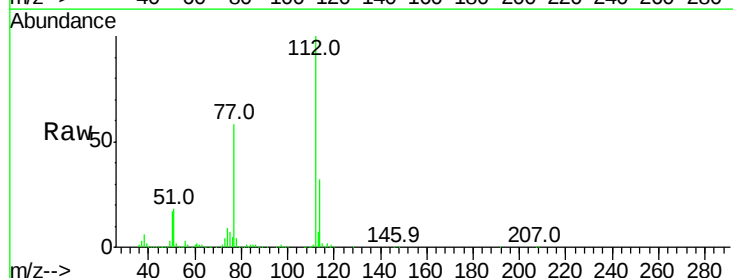
Instrument :
MSVOA_W
ClientSampleId :
VSTD05093

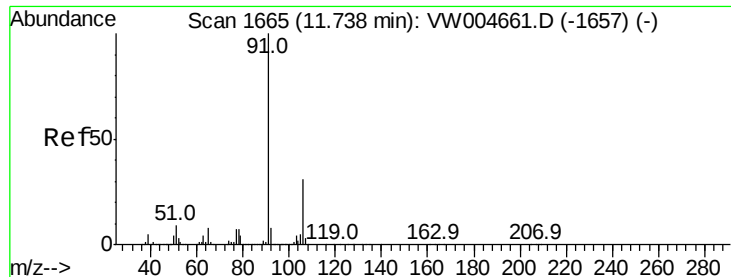
Tgt Ion:107 Resp: 609529
Ion Ratio Lower Upper
107 100
109 95.2 64.5 119.9
188 3.6 2.8 4.2



#52
Chlorobenzene
Concen: 50.799 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW004662.D
Acq: 14 Aug 2018 11:03

Tgt Ion:112 Resp: 2197183
Ion Ratio Lower Upper
112 100
77 58.5 46.0 69.0
114 32.1 22.3 41.5





#53

Ethylbenzene

Concen: 53.923 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

Instrument :

MSVOA_W

ClientSampled :

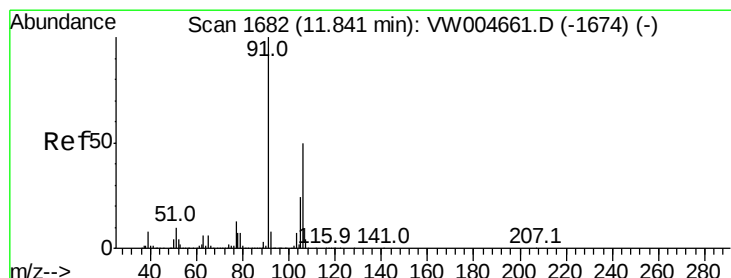
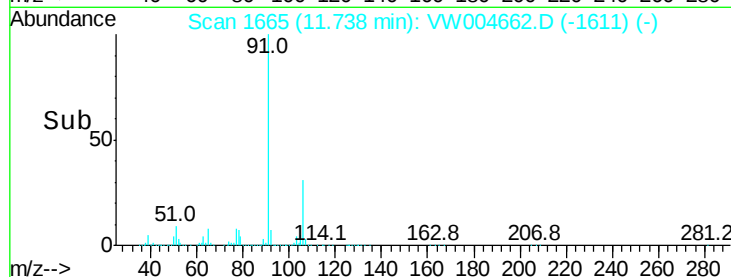
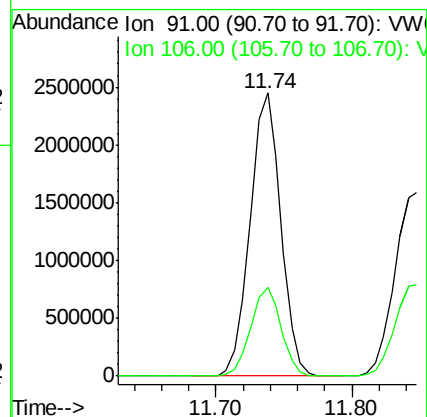
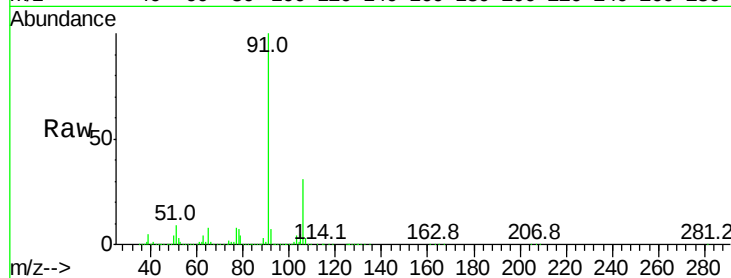
VSTD05093

Tgt Ion: 91 Resp: 3875387

Ion Ratio Lower Upper

91 100

106 31.5 22.0 40.8



#54

m,p-Xylene

Concen: 55.416 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VW004662.D

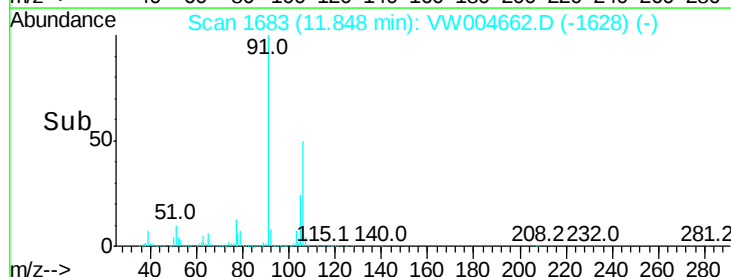
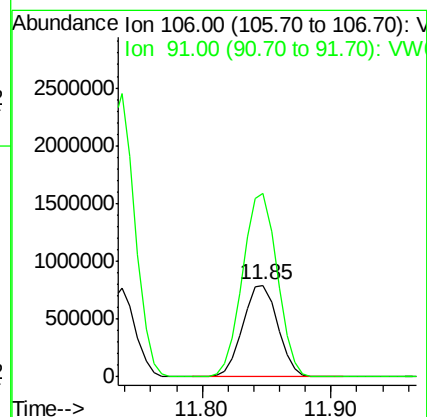
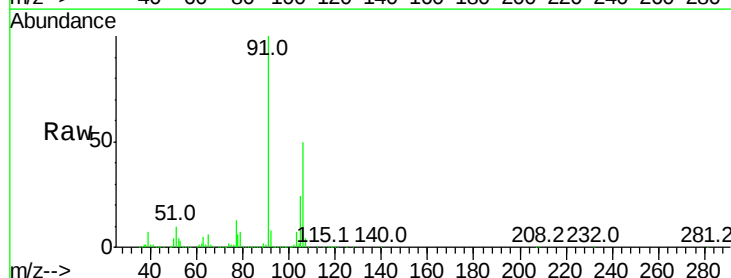
Acq: 14 Aug 2018 11:03

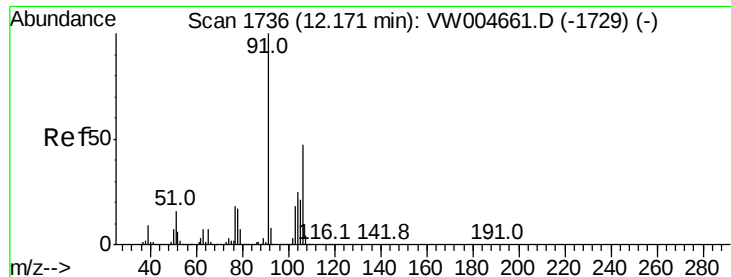
Tgt Ion:106 Resp: 1485894

Ion Ratio Lower Upper

106 100

91 201.3 139.2 258.4





#55

o-xylene

Concen: 56.088 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

Instrument :

MSVOA_W

ClientSampleId :

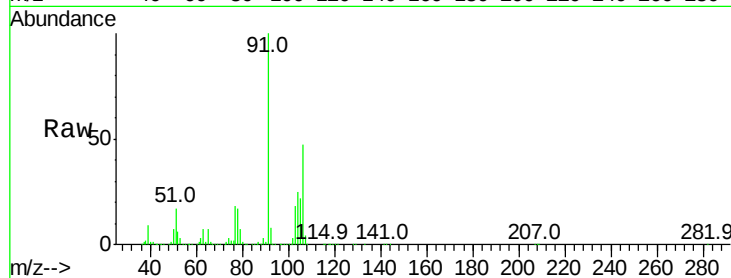
VSTD05093

Tgt Ion:106 Resp: 1425006

Ion Ratio Lower Upper

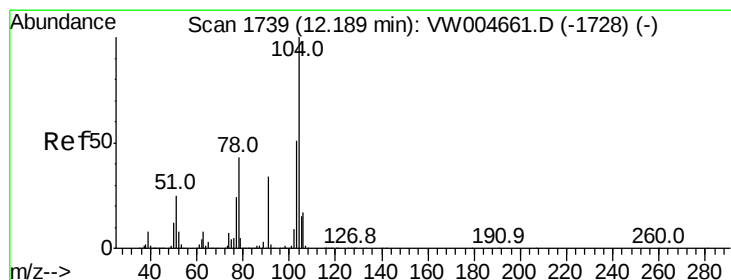
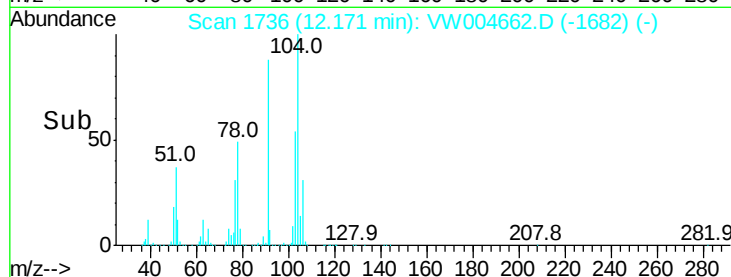
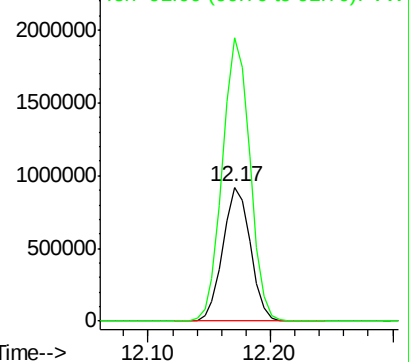
106 100

91 211.6 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 56.023 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW004662.D

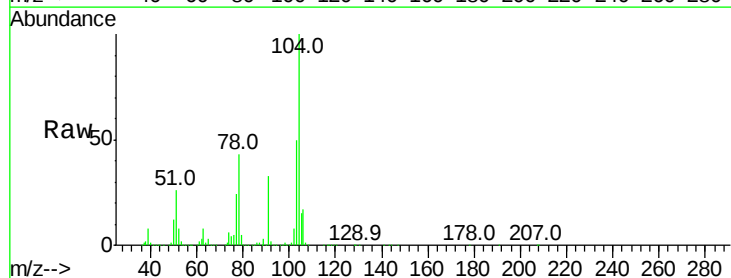
Acq: 14 Aug 2018 11:03

Tgt Ion:104 Resp: 2480215

Ion Ratio Lower Upper

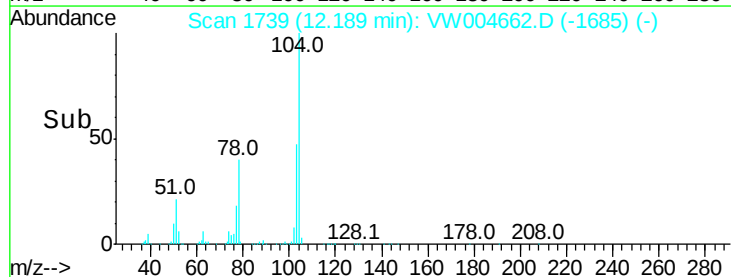
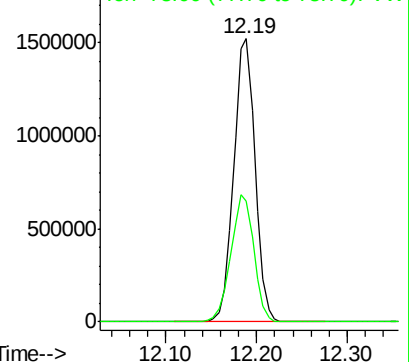
104 100

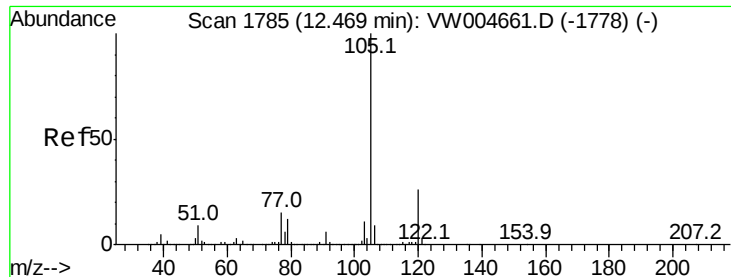
78 42.6 29.9 55.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 56.220 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD05093

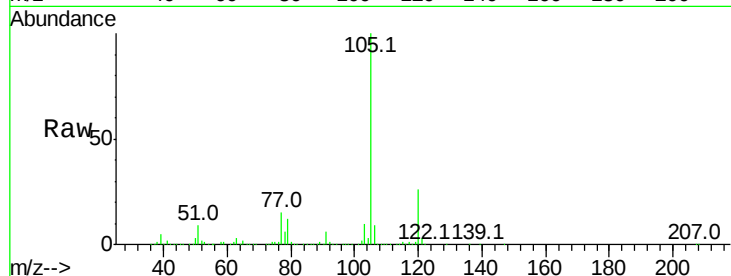
Tgt Ion:105 Resp: 3866315

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

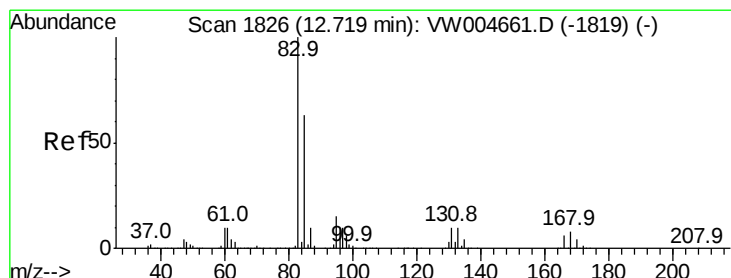
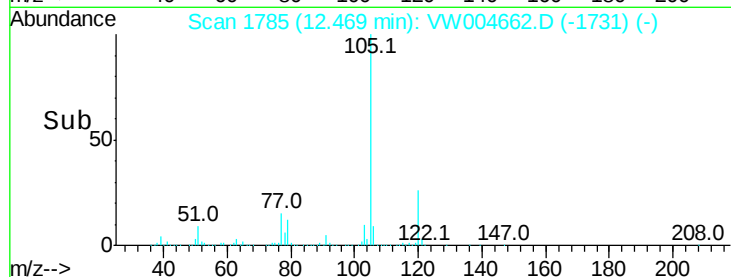
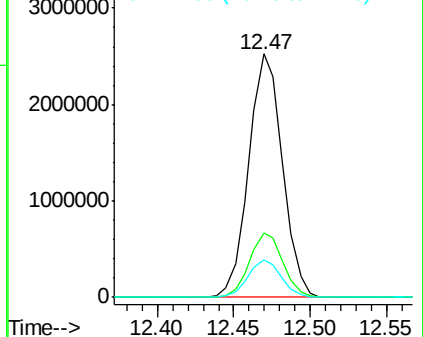
77 15.1 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 43.795 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

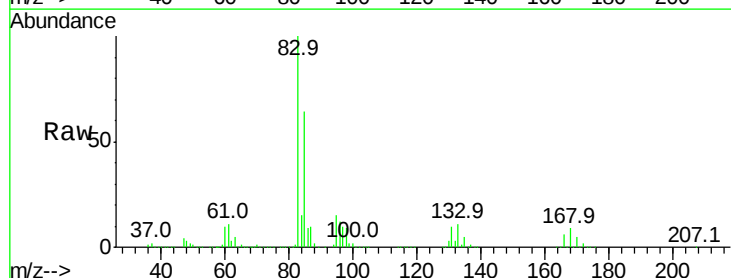
Tgt Ion: 83 Resp: 831792

Ion Ratio Lower Upper

83 100

85 64.3 44.4 82.5

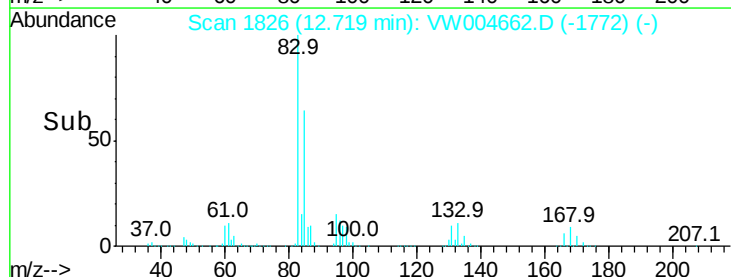
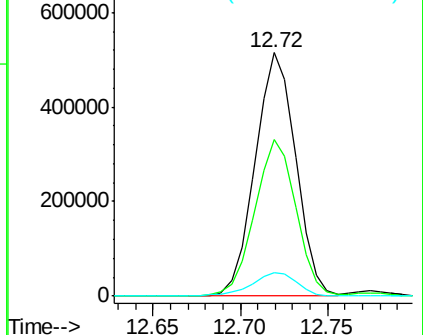
131 9.7 8.2 12.4

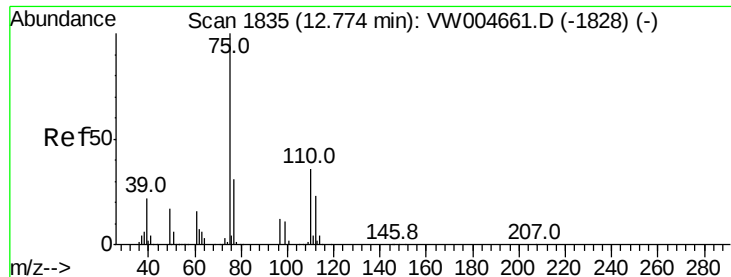


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 43.126 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

Instrument :

MSVOA_W

ClientSampleId :

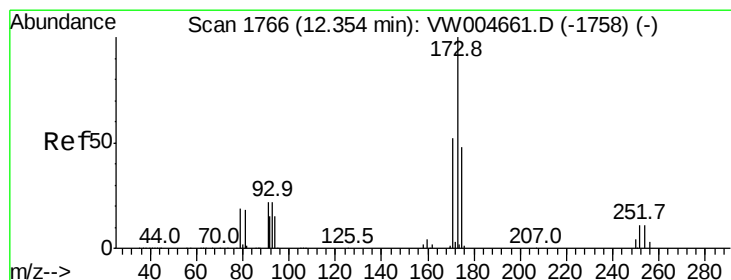
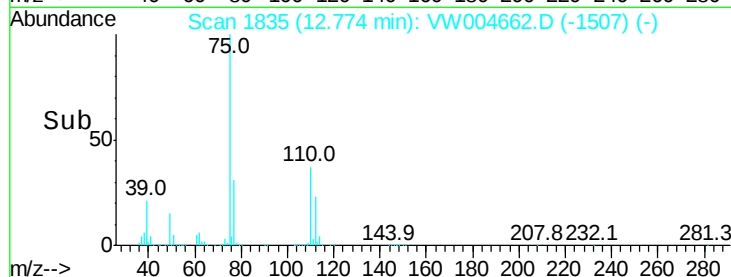
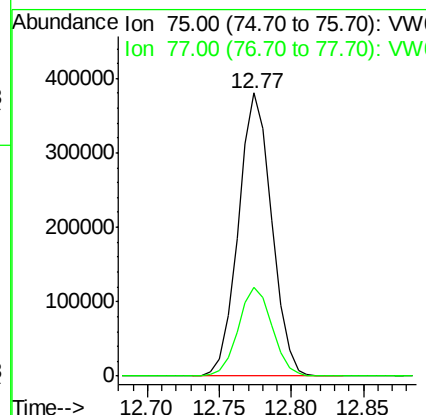
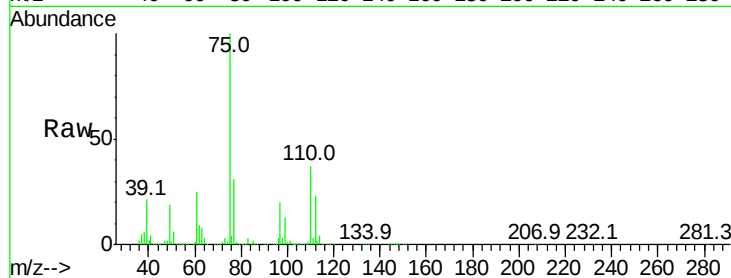
VSTD05093

Tgt Ion: 75 Resp: 611745

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6



#62

Bromoform

Concen: 45.876 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

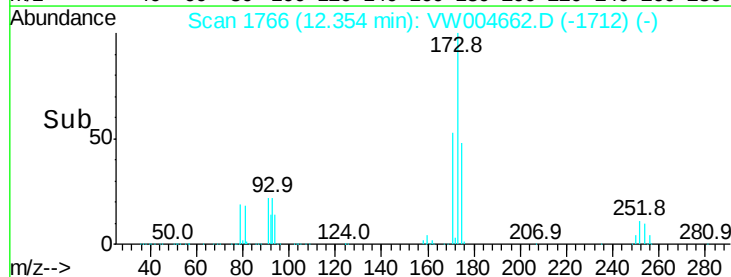
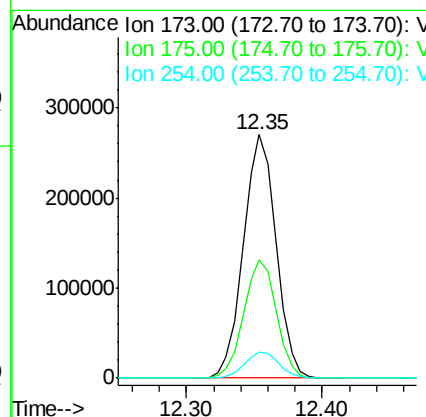
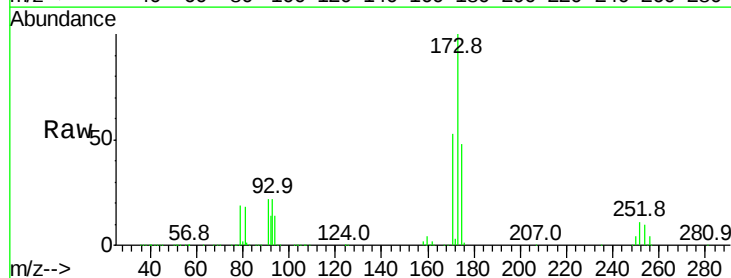
Tgt Ion: 173 Resp: 452666

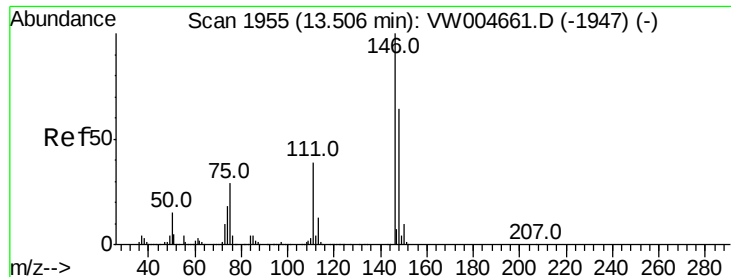
Ion Ratio Lower Upper

173 100

175 48.6 39.2 58.8

254 11.2 8.8 13.2

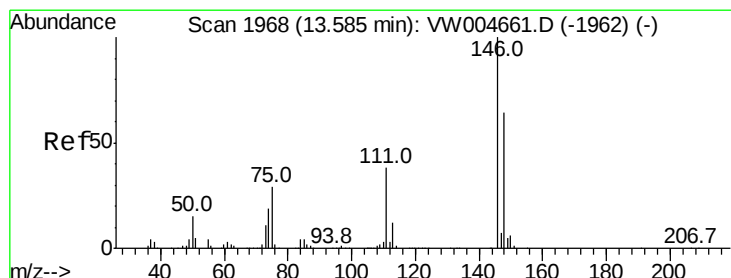
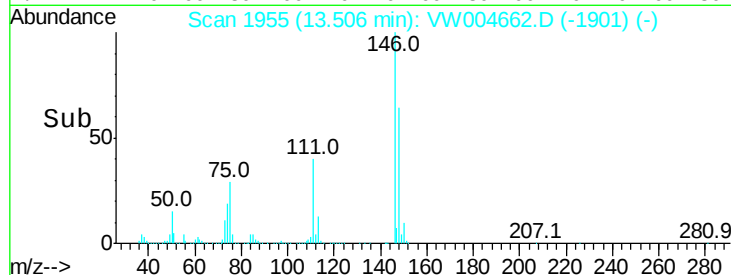
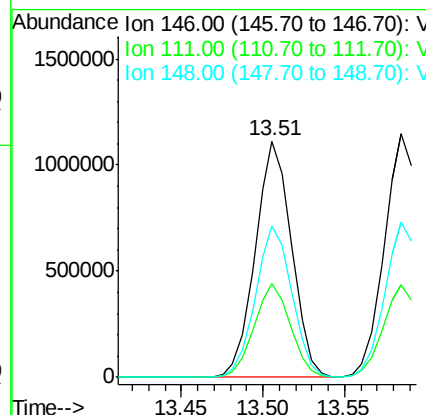
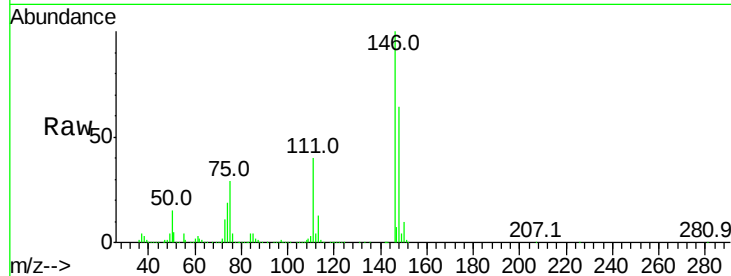




#63
 1,3-Dichlorobenzene
 Concen: 50.994 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004662.D
 Acq: 14 Aug 2018 11:03

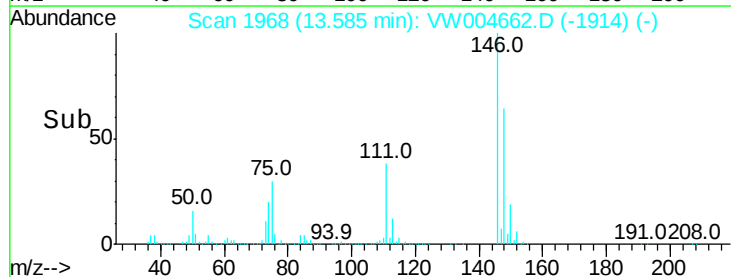
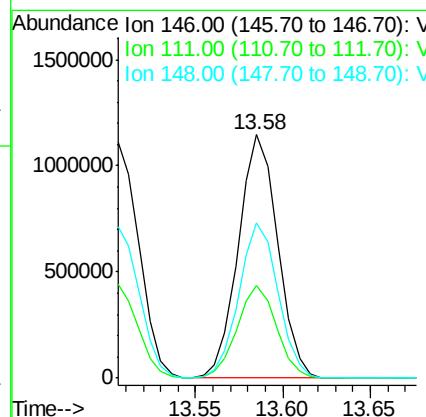
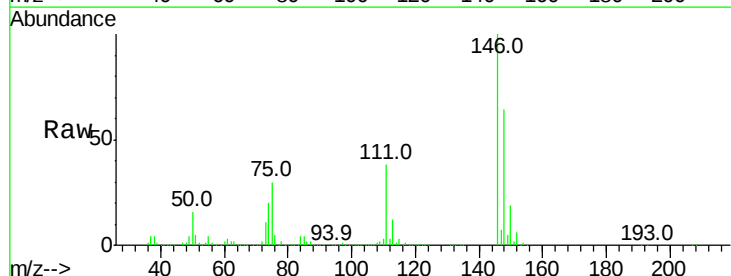
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05093

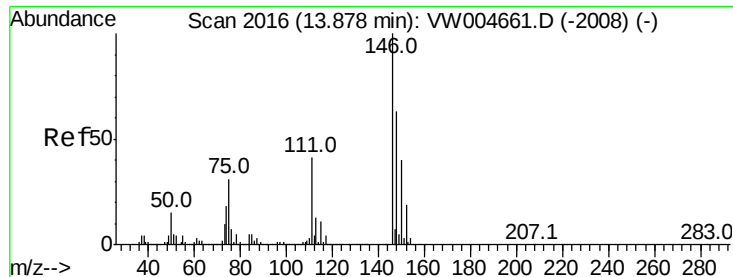
Tgt Ion:146 Resp: 1722731
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.5 51.1
 148 64.1 45.1 83.9



#64
 1,4-Dichlorobenzene
 Concen: 49.411 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004662.D
 Acq: 14 Aug 2018 11:03

Tgt Ion:146 Resp: 1793986
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.7 49.5
 148 63.8 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 49.323 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD05093

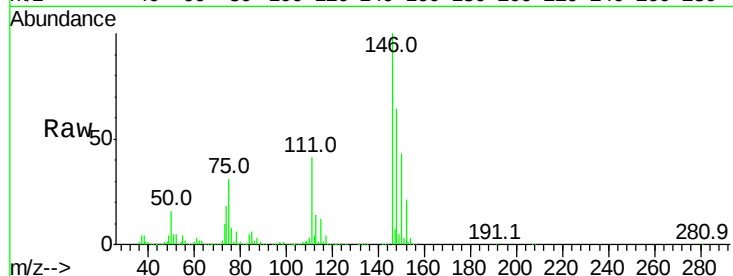
Tgt Ion:146 Resp: 1669548

Ion Ratio Lower Upper

146 100

111 41.5 32.9 49.3

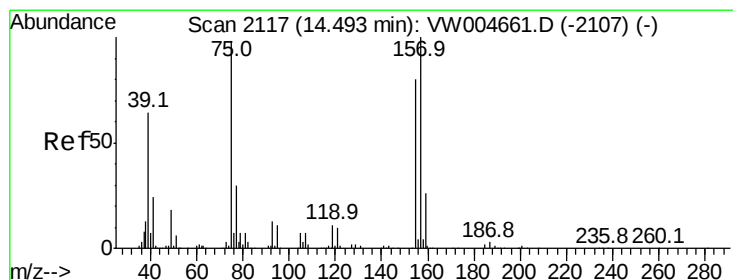
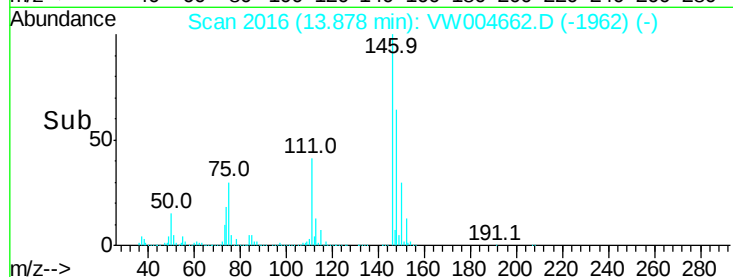
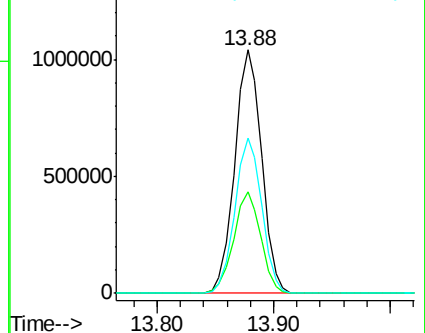
148 63.9 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 38.749 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

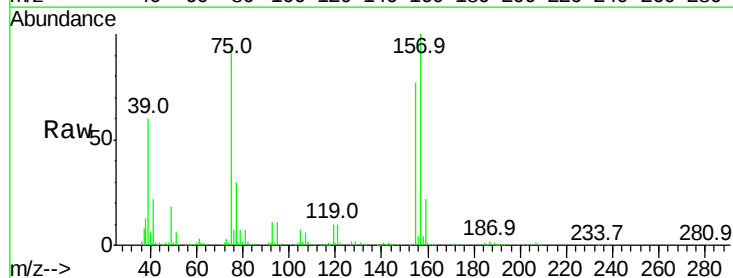
Tgt Ion: 75 Resp: 134732

Ion Ratio Lower Upper

75 100

157 106.1 81.8 122.8

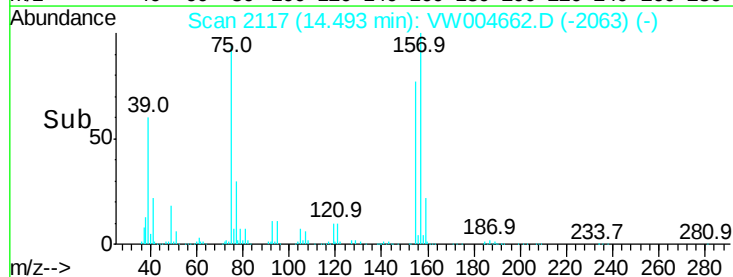
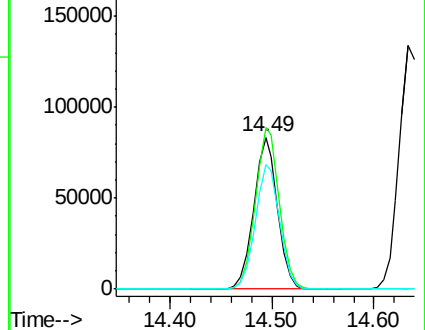
155 82.2 65.4 98.0

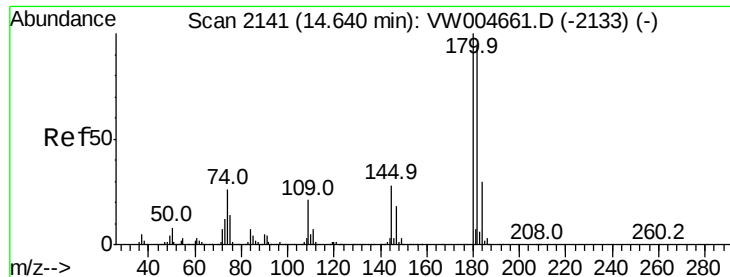


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

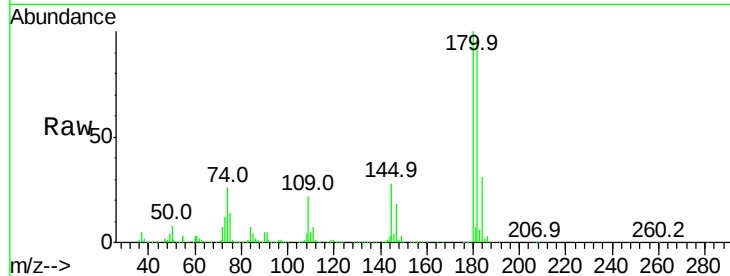




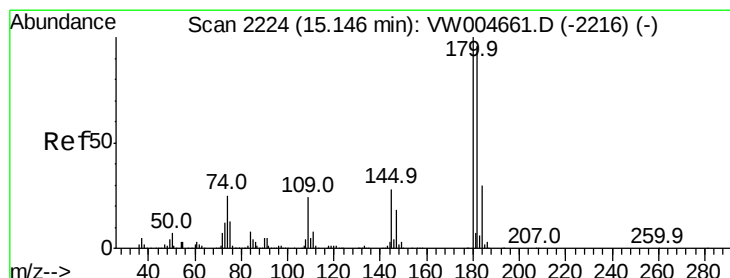
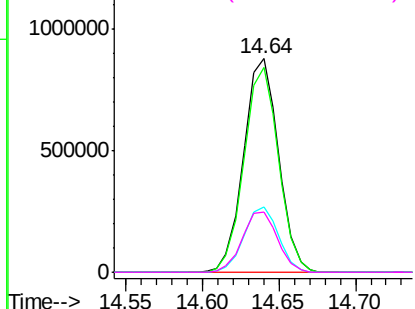
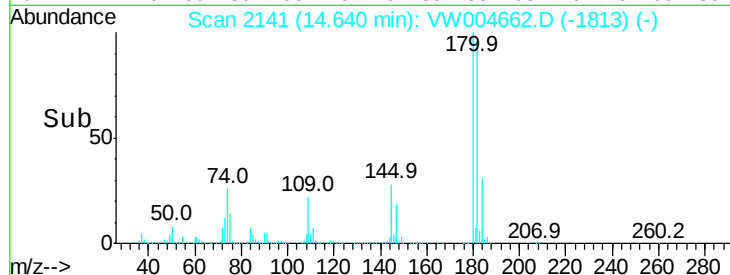
#67
 1,3,5-Trichlorobenzene
 Concen: 51.722 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004662.D
 Acq: 14 Aug 2018 11:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05093

Tgt Ion:180 Resp: 1385129
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.1 114.1
 184 30.4 24.2 36.4
 145 28.7 22.6 34.0

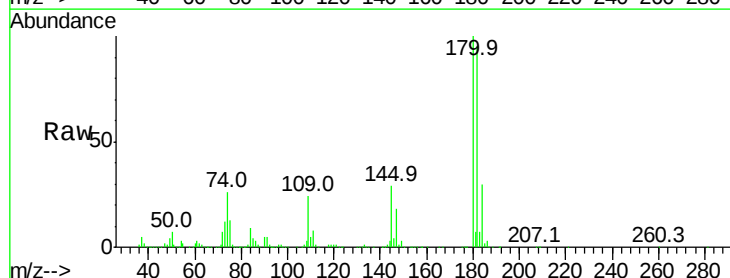


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

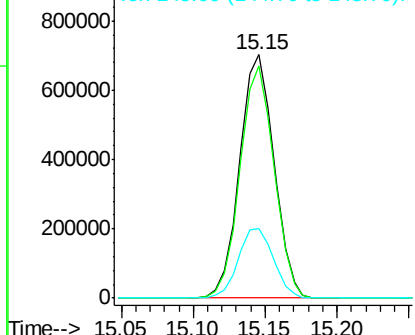
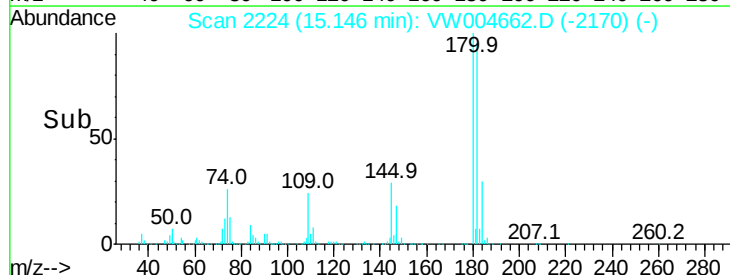


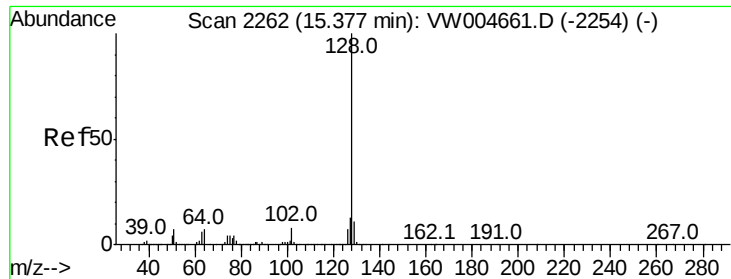
#68
 1,2,4-trichlorobenzene
 Concen: 53.555 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004662.D
 Acq: 14 Aug 2018 11:03

Tgt Ion:180 Resp: 1160322
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.7 115.1
 145 29.4 23.4 35.2



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





#69

Naphthalene

Concen: 51.104 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD05093

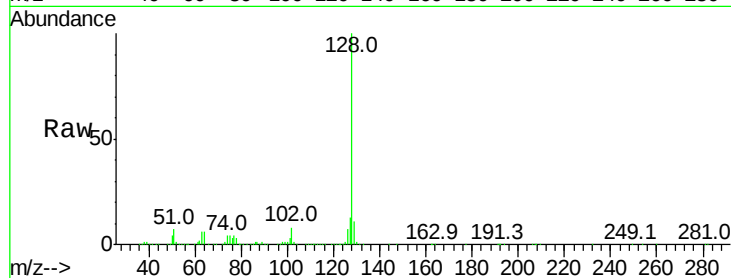
Tgt Ion:128 Resp: 2525006

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

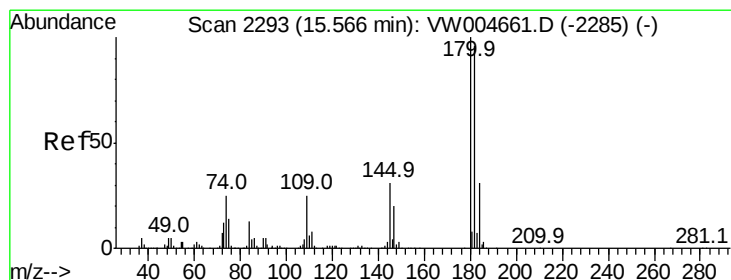
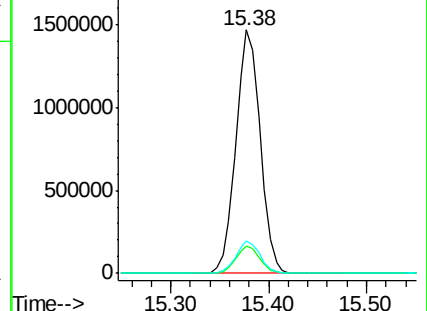
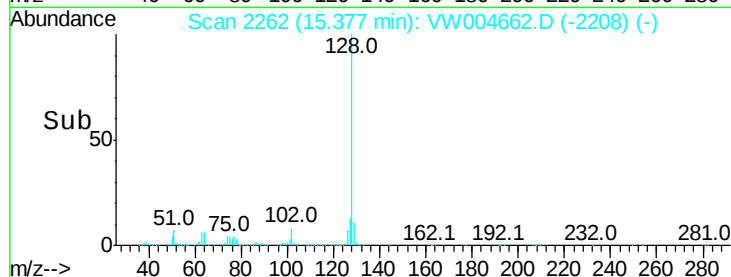
127 13.0 10.6 15.8



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: 51.809 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004662.D

Acq: 14 Aug 2018 11:03

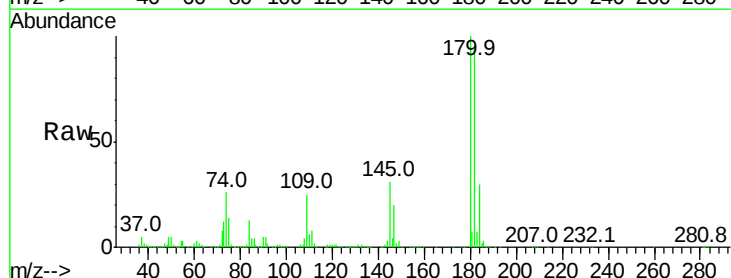
Tgt Ion:180 Resp: 1093148

Ion Ratio Lower Upper

180 100

182 95.6 75.8 113.8

145 31.0 24.4 36.6



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

