

Data File : VW010923.D
Acq On : 24 Jun 2019 09:22
Operator : SY/VA
Sample : VSTD02512
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02504

Quant Time: Jun 24 10:05:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
Quant Title : VOC Analysis
QLast Update : Mon Jun 24 08:40:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	410963	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	375008	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	184266	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	128291	25.55	ug/L	0.00
7) Chloroethane-d5	2.89	69	98687	23.88	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	309265	26.68	ug/L	0.00
20) 2-Butanone-d5	7.08	46	112203	39.99	ug/L	0.00
24) Chloroform-d	7.65	84	266076	23.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	163372	21.91	ug/L	0.00
29) Benzene-d6	8.27	84	536462	23.86	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	177286	23.20	ug/L	0.00
37) Toluene-d8	10.32	98	488713	23.95	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	78577	24.86	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	75554	42.09	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	144490	22.16	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	165666	22.61	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	160491	29.888	ug/L	96
3) Chloromethane	2.21	50	147437	23.746	ug/L	100
5) Vinyl chloride	2.37	62	195994	31.038	ug/L	97
6) Bromomethane	2.78	94	92819	26.868	ug/L	100
8) Chloroethane	2.92	64	102182	28.221	ug/L	98
9) Trichlorofluoromethane	3.25	101	61784	32.769	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	150687	29.571	ug/L	98
12) 1,1-Dichloroethene	4.04	96	149083	29.454	ug/L	97
13) Acetone	4.12	43	105740	49.930	ug/L	99
14) Carbon disulfide	4.39	76	452153	31.479	ug/L	100
15) Methyl Acetate	4.67	43	99520	22.900	ug/L	100
16) Methylene chloride	4.92	84	152268	24.319	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	228366	25.938	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	147652	27.055	ug/L	98
19) 1,1-Dichloroethane	6.21	63	301335	27.081	ug/L	99
21) 2-Butanone	7.17	43	145848	45.108	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	160183	26.553	ug/L	96
23) Bromochloromethane	7.51	128	66527	25.377	ug/L	95
25) Chloroform	7.67	83	277009	26.391	ug/L	100
27) 1,2-Dichloroethane	8.40	62	213981	25.233	ug/L	99
30) Cyclohexane	7.95	56	321317	29.971	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	208485	29.756	ug/L	99
32) Carbon tetrachloride	8.07	117	199523	30.829	ug/L	100
34) Benzene	8.32	78	629300	27.335	ug/L	100
35) Trichloroethene	9.09	95	158391	27.776	ug/L	99
36) Methylcyclohexane	9.34	83	294455	29.498	ug/L	100
40) 1,2-Dichloropropane	9.37	63	172136	26.733	ug/L	100
41) Bromodichloromethane	9.64	83	204864	27.660	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	269782	28.537	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	302310	48.696	ug/L	99

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Instrument :
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ClientSampleId :
VSTD02504

Quant Time: Jun 24 10:05:23 2019
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Quant Title : VOC Analysis
QLast Update : Mon Jun 24 08:40:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	656839	27.481	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	223543	28.194	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	115249	25.584	ug/L	98
47) Tetrachloroethene	10.86	164	119519	28.455	ug/L	98
49) 2-Hexanone	10.97	43	217212	49.704	ug/L	100
50) Dibromochloromethane	11.13	129	130418	27.192	ug/L	99
51) 1,2-Dibromoethane	11.24	107	111717	25.182	ug/L	100
52) Chlorobenzene	11.66	112	391955	26.596	ug/L	100
53) Ethylbenzene	11.73	91	745270	27.824	ug/L	99
54) m,p-Xylene	11.84	106	270724	27.777	ug/L	98
55) o-xylene	12.16	106	260641	27.212	ug/L	99
56) Styrene	12.18	104	449468	27.326	ug/L	99
57) Isopropylbenzene	12.46	105	708924	28.289	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	150861	25.246	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	115563	24.348	ug/L	99
62) Bromoform	12.35	173	72388	25.991	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	305244	26.758	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	300748	25.827	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	281557	26.118	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	27244	24.660	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	234970	27.208	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	202500	26.971	ug/L	99
69) Naphthalene	15.37	128	425776	25.250	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	183716	26.327	ug/L	99

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

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Instrument :
MSVOA_W
ClientSampleId :
VSTD02504

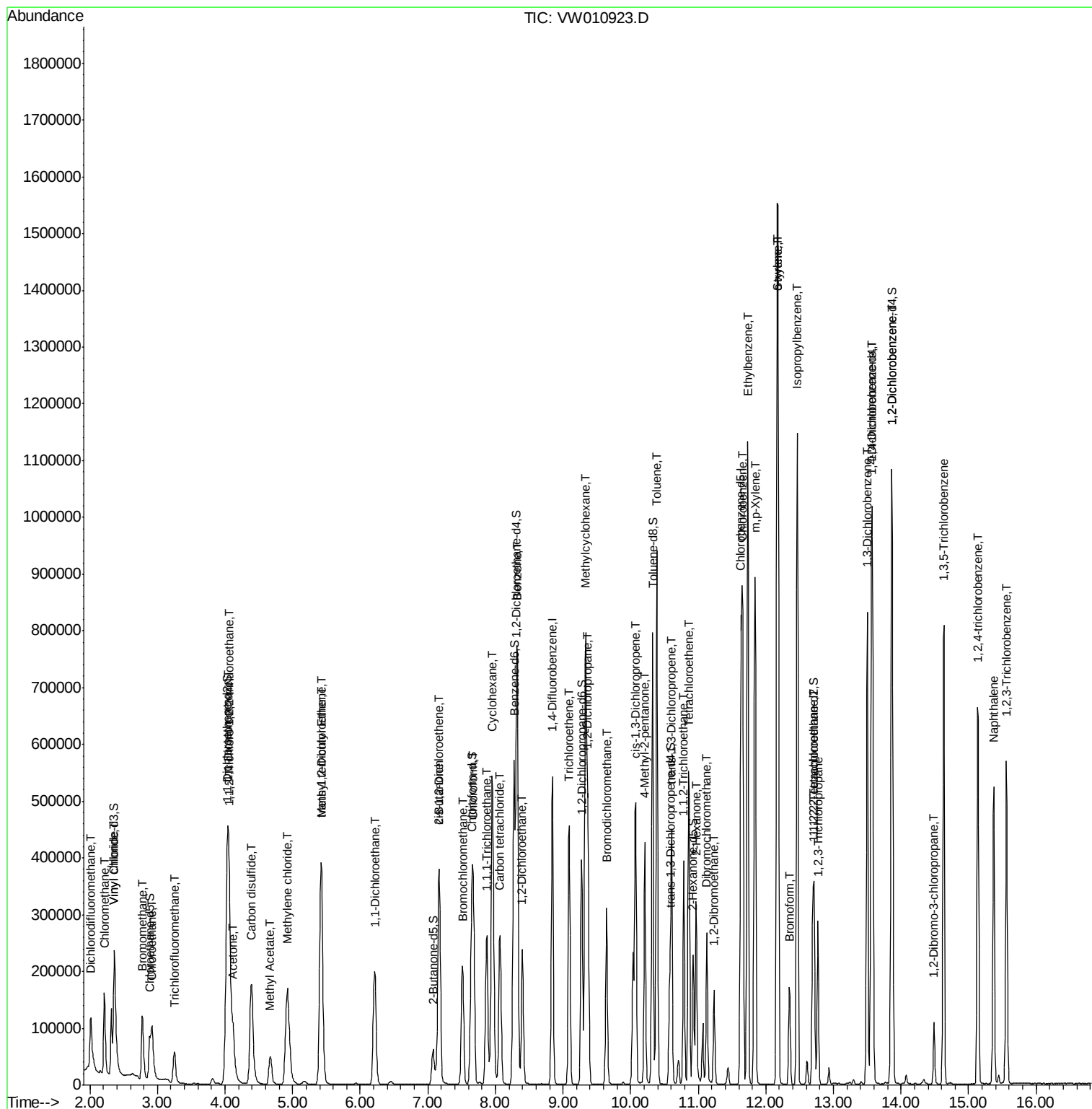
Quant Time: Jun 24 10:05:23 2019

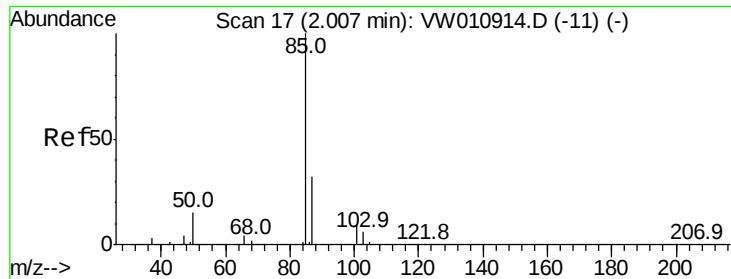
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M

Quant Title : VOC Analysis

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 29.888 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

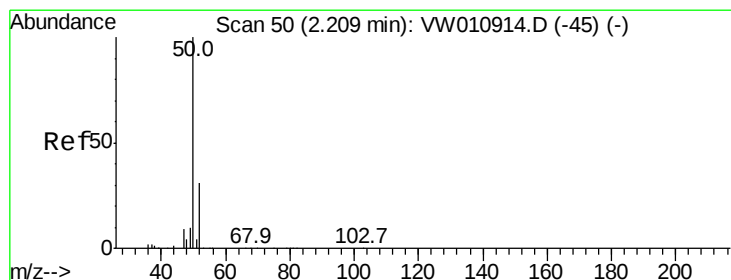
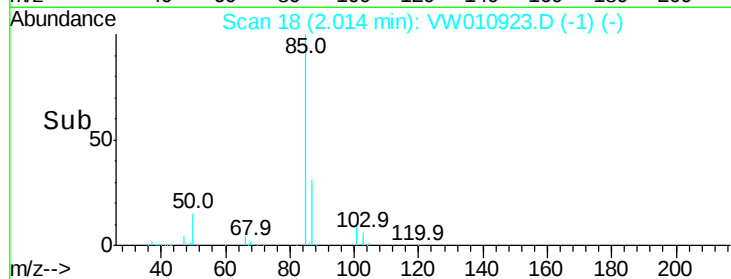
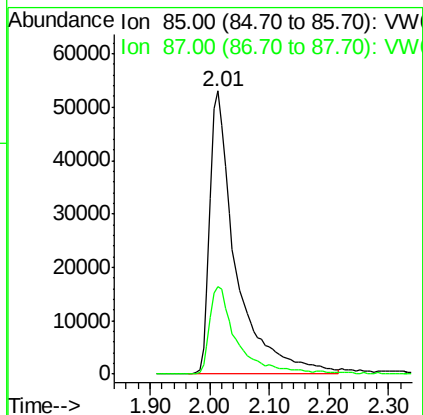
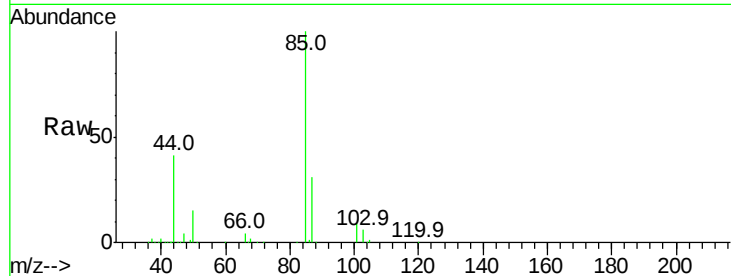
VSTD02504

Tgt Ion: 85 Resp: 160491

Ion Ratio Lower Upper

85 100

87 31.2 23.4 43.4



#3

Chloromethane

Concen: 23.746 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010923.D

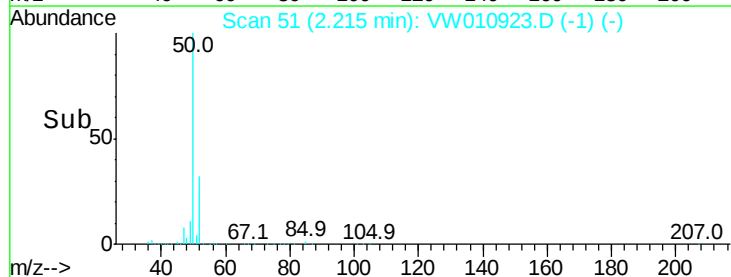
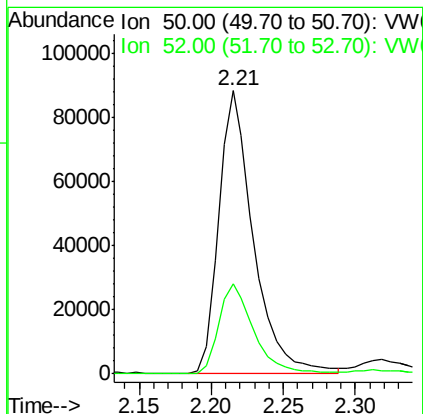
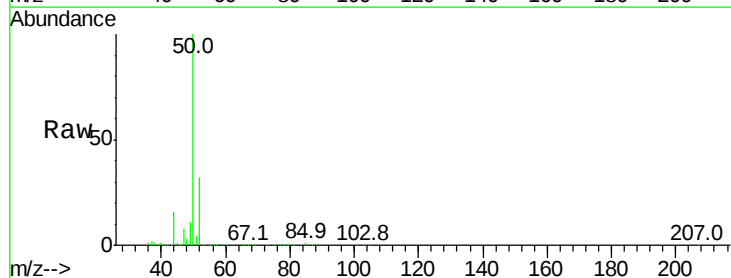
Acq: 24 Jun 2019 09:22

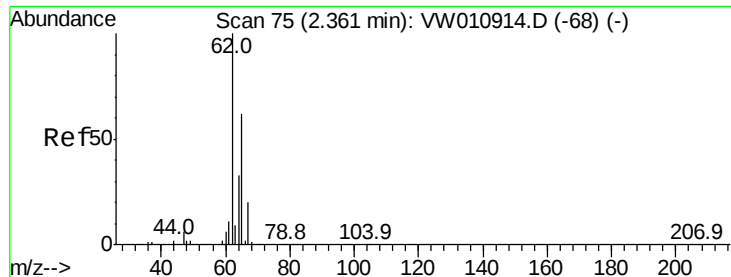
Tgt Ion: 50 Resp: 147437

Ion Ratio Lower Upper

50 100

52 31.9 22.2 41.2





#5

Vinyl chloride

Concen: 31.038 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

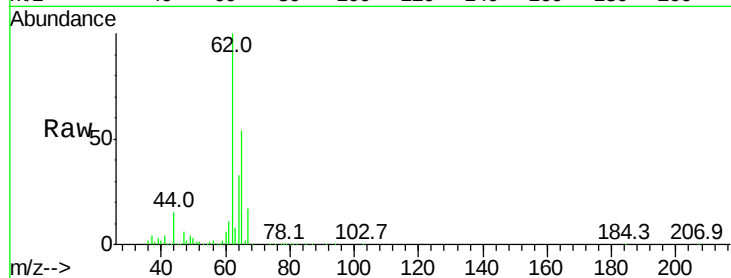
VSTD02504

Tgt Ion: 62 Resp: 195994

Ion Ratio Lower Upper

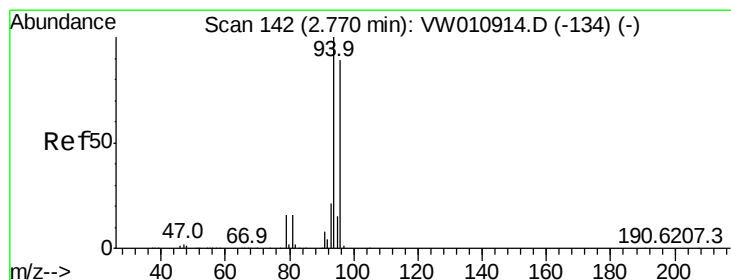
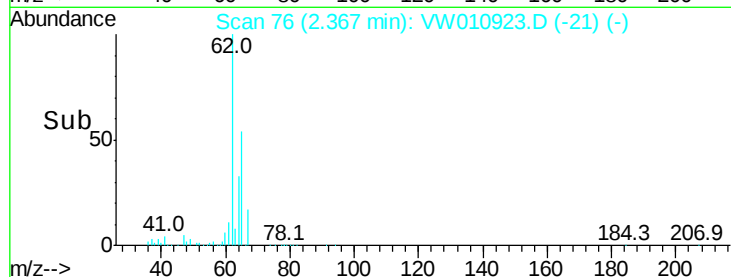
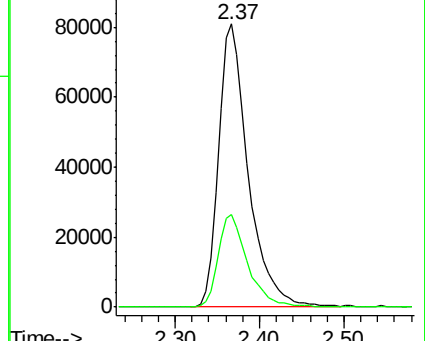
62 100

64 32.7 21.8 40.6



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 26.868 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW010923.D

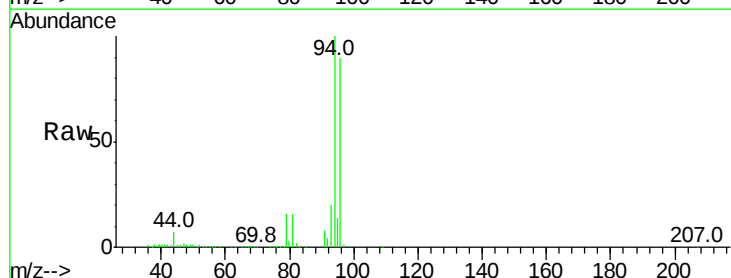
Acq: 24 Jun 2019 09:22

Tgt Ion: 94 Resp: 92819

Ion Ratio Lower Upper

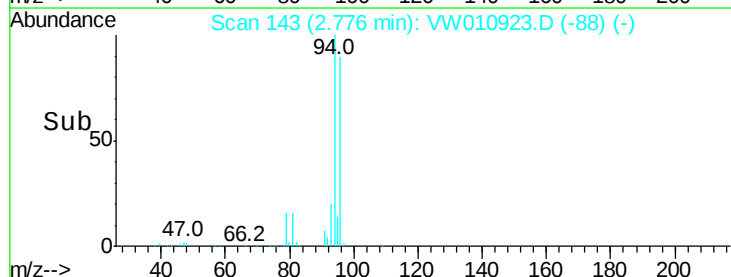
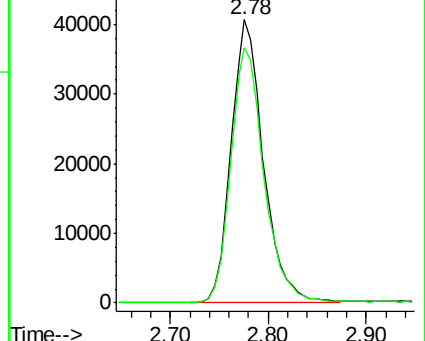
94 100

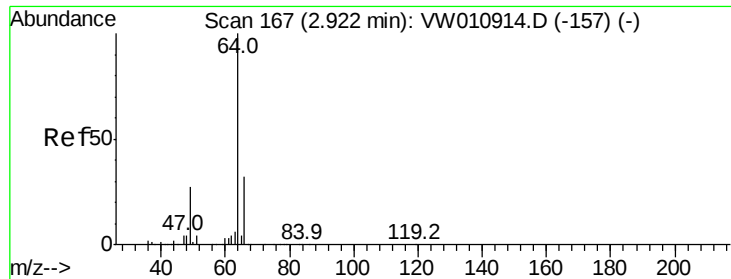
96 92.5 9.2 175.6



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 28.221 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

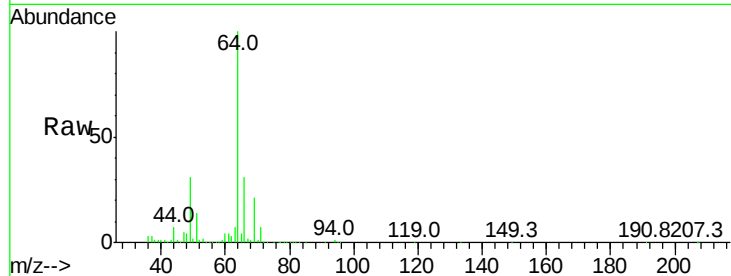
VSTD02504

Tgt Ion: 64 Resp: 102182

Ion Ratio Lower Upper

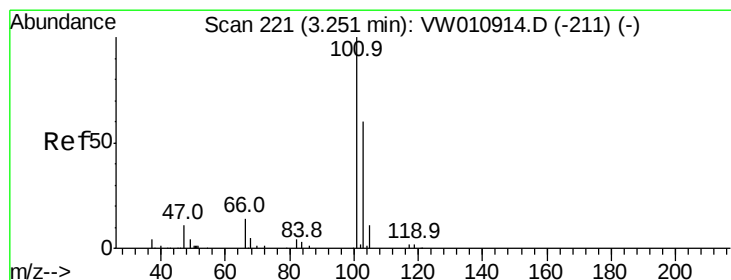
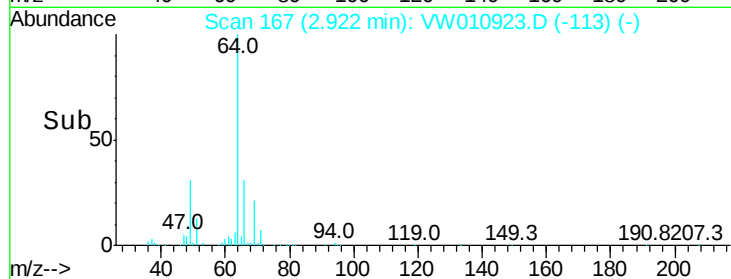
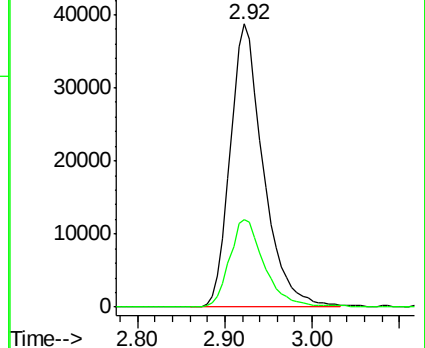
64 100

66 31.1 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 32.769 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW010923.D

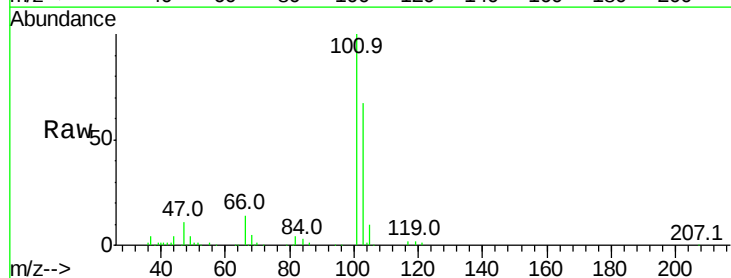
Acq: 24 Jun 2019 09:22

Tgt Ion: 101 Resp: 61784

Ion Ratio Lower Upper

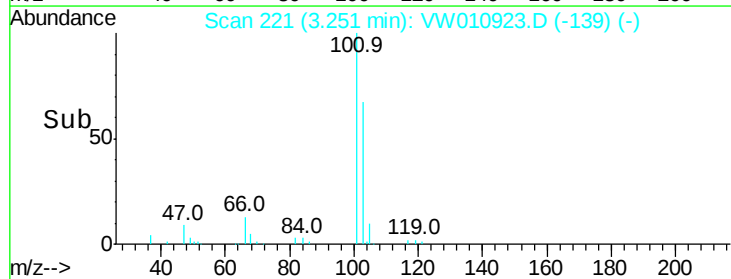
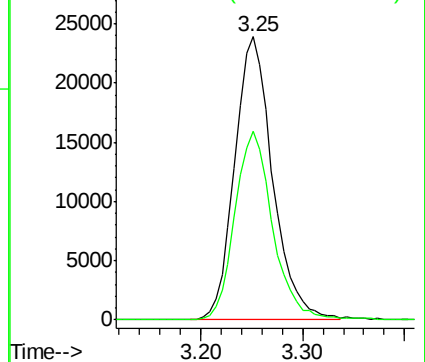
101 100

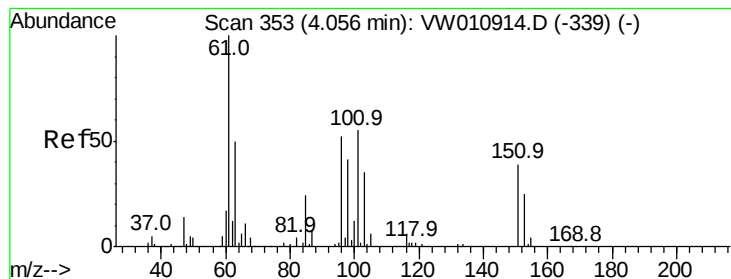
103 66.3 46.1 85.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 29.571 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

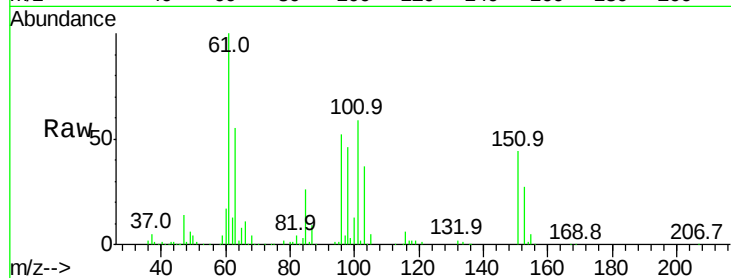
Tgt Ion: 101 Resp: 150687

Ion Ratio Lower Upper

101 100

85 44.8 36.5 54.7

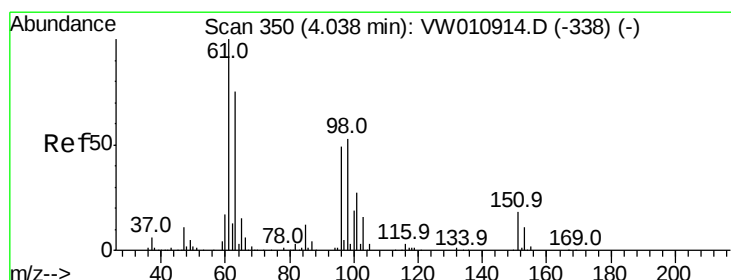
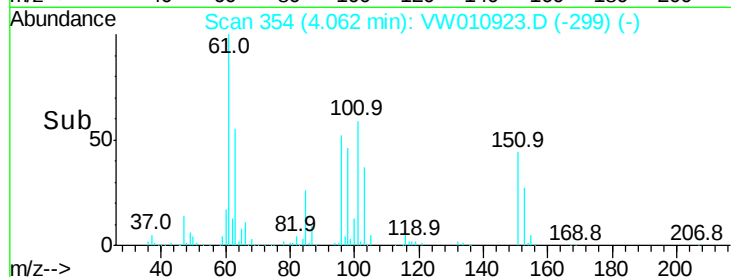
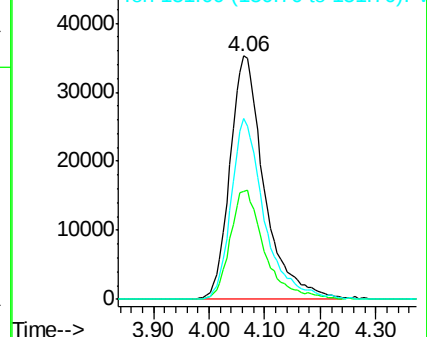
151 71.1 58.6 88.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 29.454 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

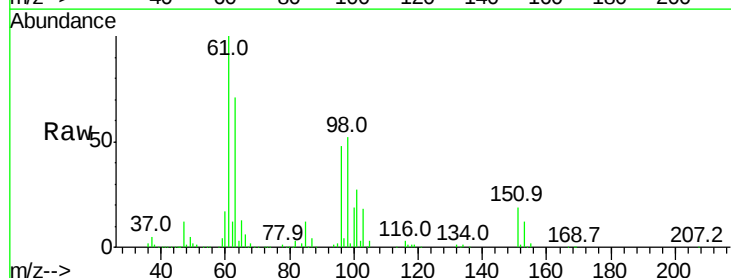
Tgt Ion: 96 Resp: 149083

Ion Ratio Lower Upper

96 100

61 206.4 144.3 267.9

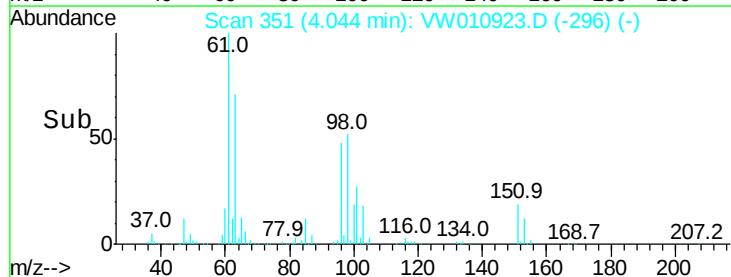
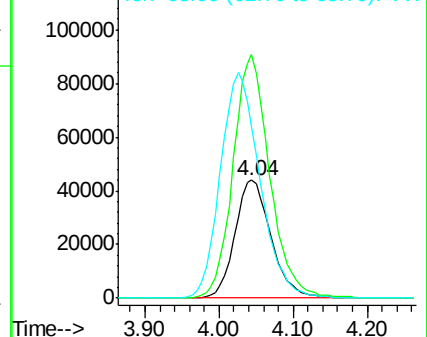
63 146.1 108.4 201.2

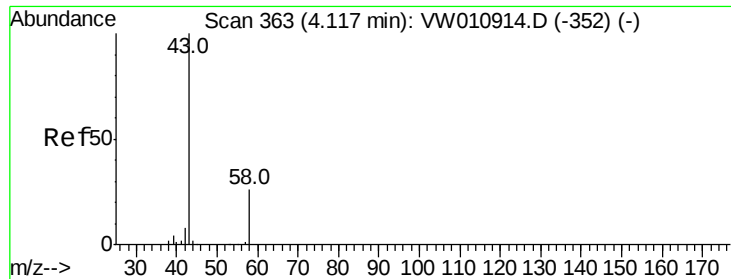


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.930 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

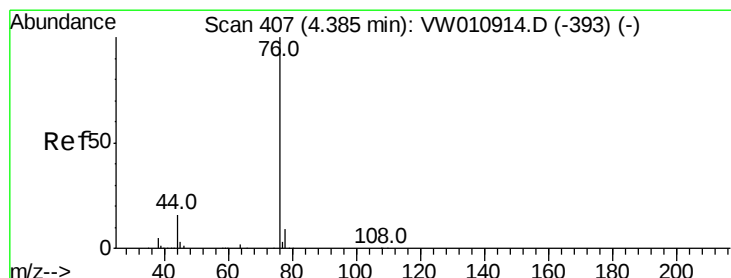
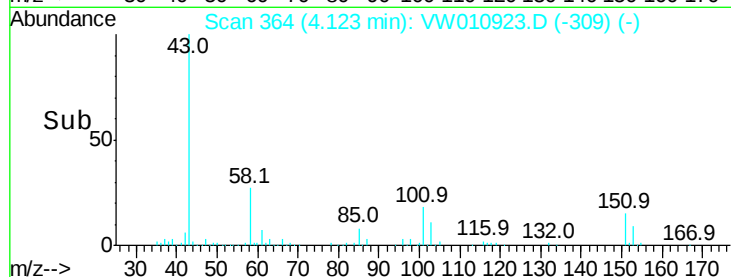
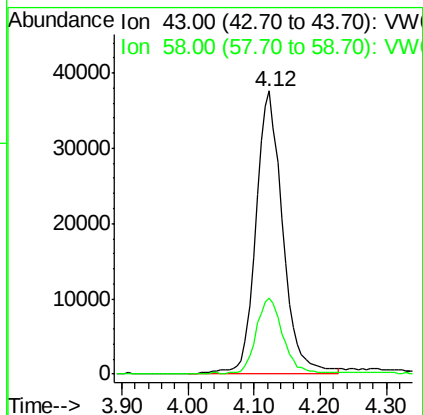
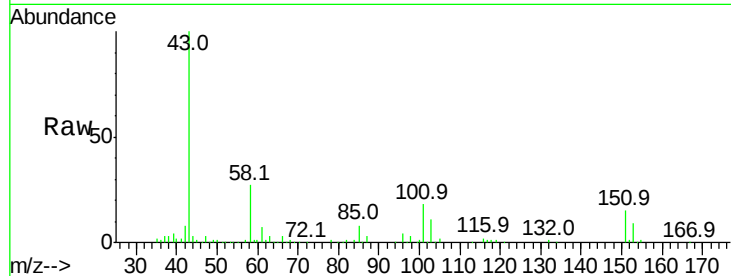
VSTD02504

Tgt Ion: 43 Resp: 105740

Ion Ratio Lower Upper

43 100

58 26.6 0.0 54.0



#14

Carbon disulfide

Concen: 31.479 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW010923.D

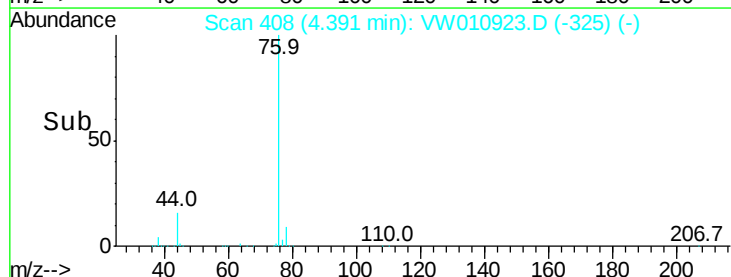
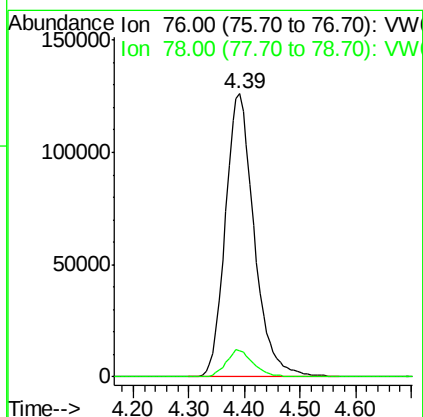
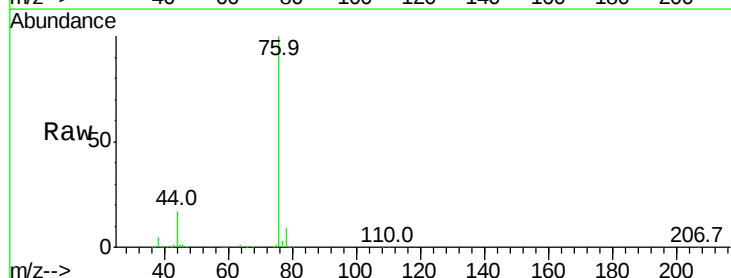
Acq: 24 Jun 2019 09:22

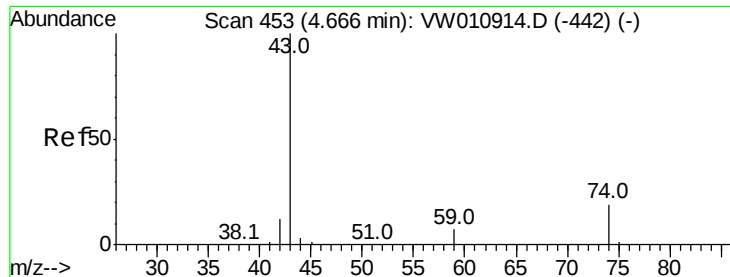
Tgt Ion: 76 Resp: 452153

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

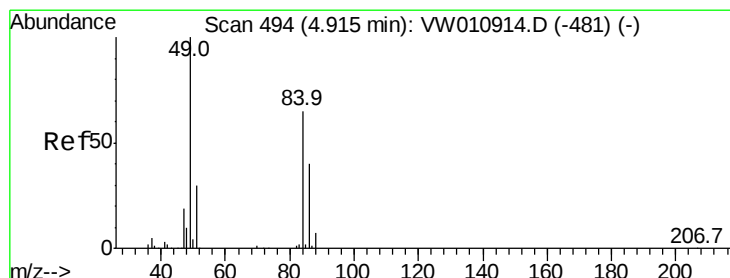
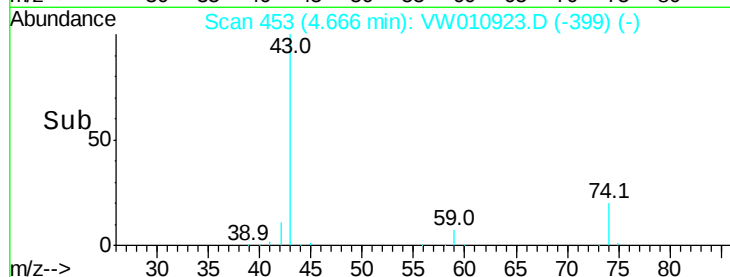
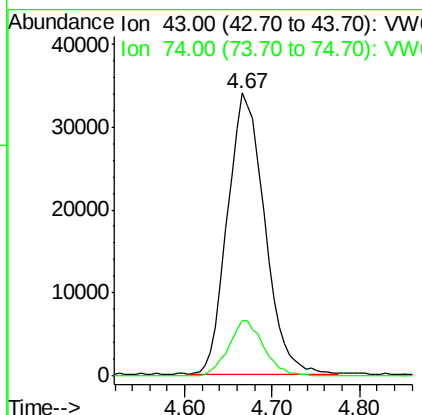
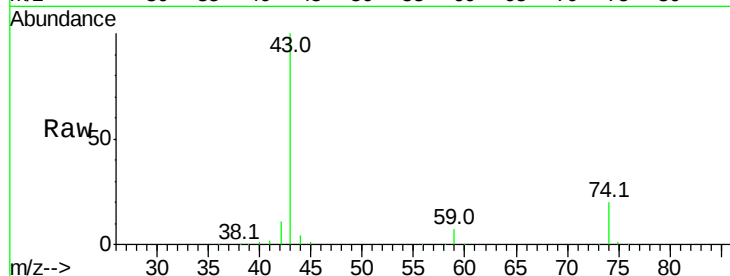




#15
Methyl Acetate
Concen: 22.900 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010923.D
Acq: 24 Jun 2019 09:22

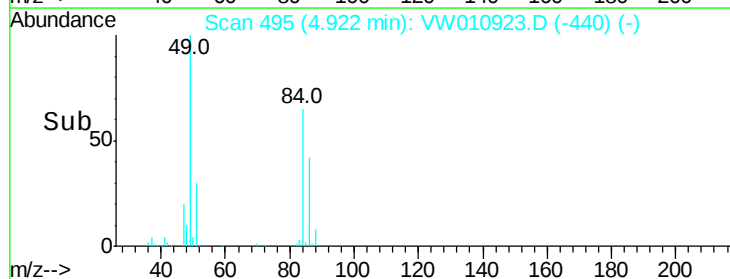
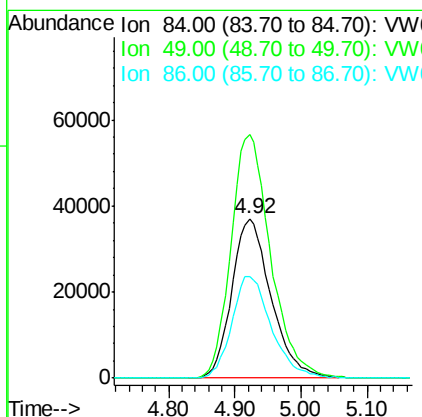
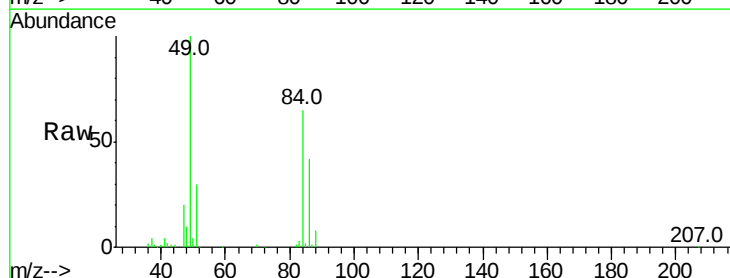
Instrument :
MSVOA_W
ClientSampleId :
VSTD02504

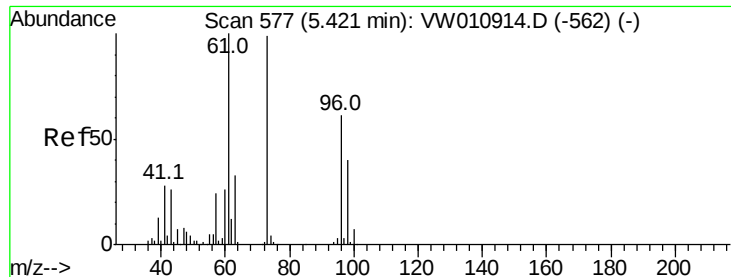
Tgt Ion: 43 Resp: 99520
Ion Ratio Lower Upper
43 100
74 19.1 15.3 22.9



#16
Methylene chloride
Concen: 24.319 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010923.D
Acq: 24 Jun 2019 09:22

Tgt Ion: 84 Resp: 152268
Ion Ratio Lower Upper
84 100
49 152.9 109.8 203.8
86 63.5 46.5 86.5

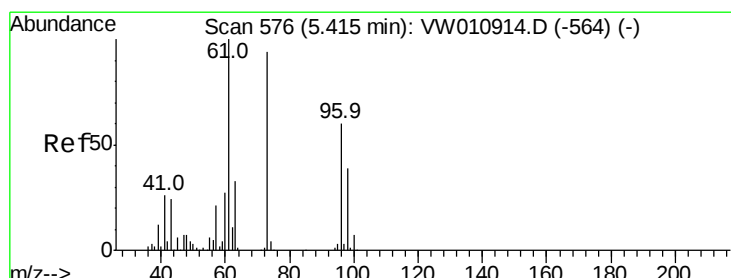
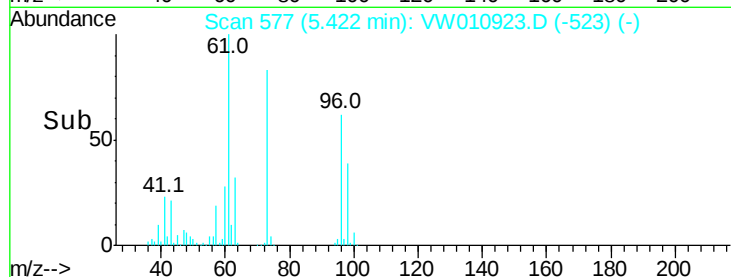
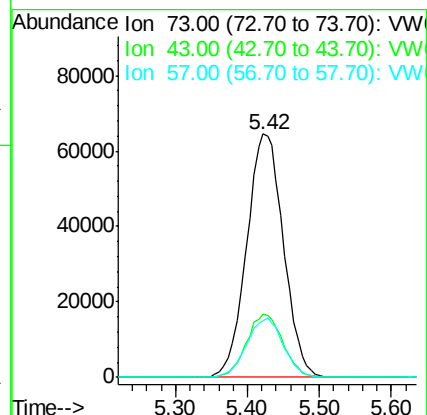
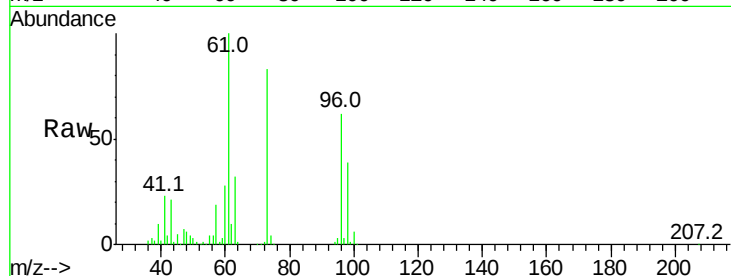




#17
Methyl tert-butyl Ether
Concen: 25.938 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010923.D
Acq: 24 Jun 2019 09:22

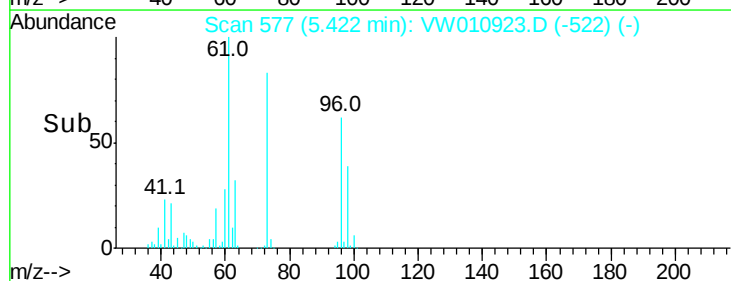
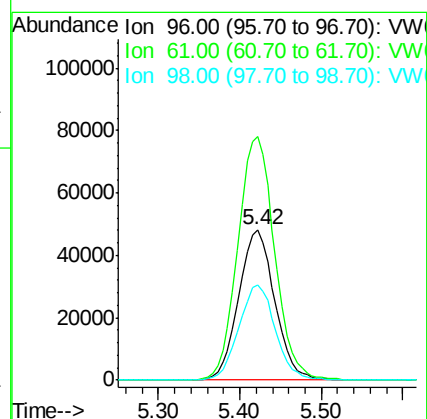
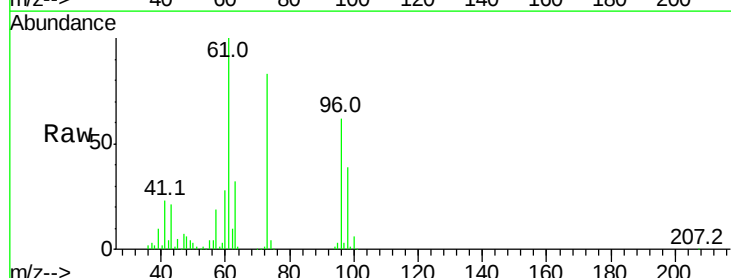
Instrument :
MSVOA_W
ClientSampleId :
VSTD02504

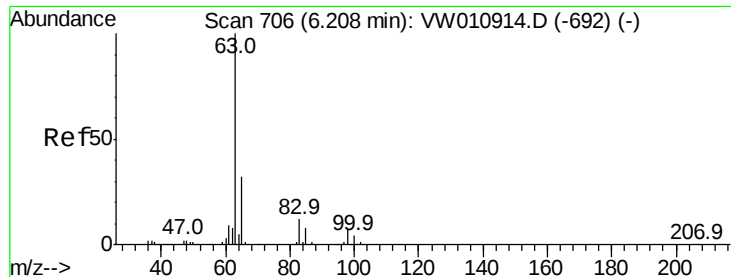
Tgt Ion: 73 Resp: 228366
Ion Ratio Lower Upper
73 100
43 25.2 20.4 30.6
57 24.2 19.5 29.3



#18
trans-1,2-Dichloroethene
Concen: 27.055 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW010923.D
Acq: 24 Jun 2019 09:22

Tgt Ion: 96 Resp: 147652
Ion Ratio Lower Upper
96 100
61 161.8 111.7 207.5
98 63.0 43.5 80.9

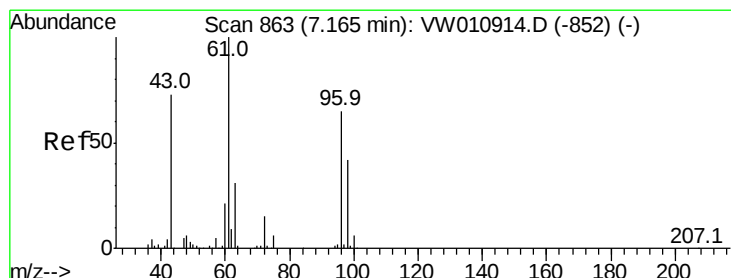
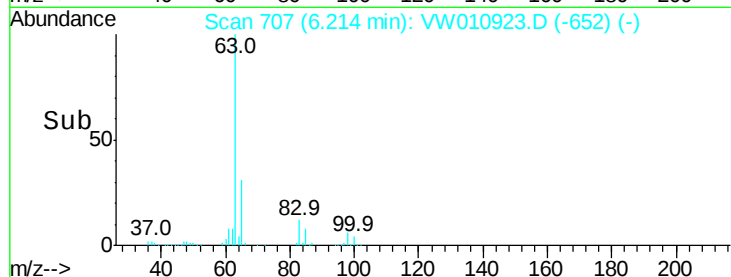
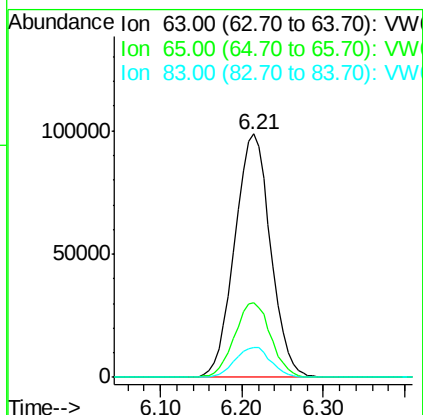
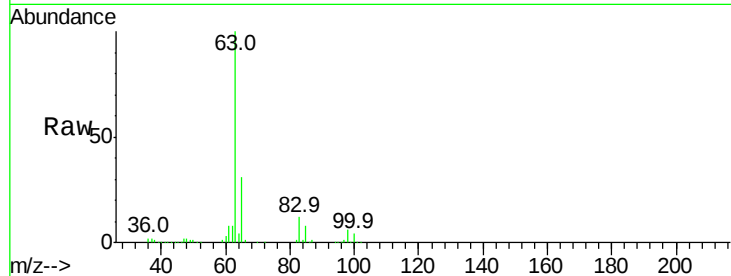




#19
 1,1-Dichloroethane
 Concen: 27.081 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW010923.D
 Acq: 24 Jun 2019 09:22

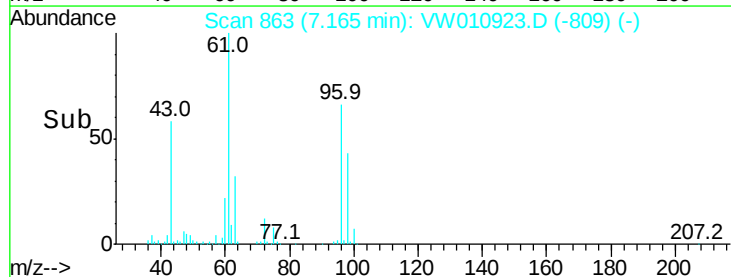
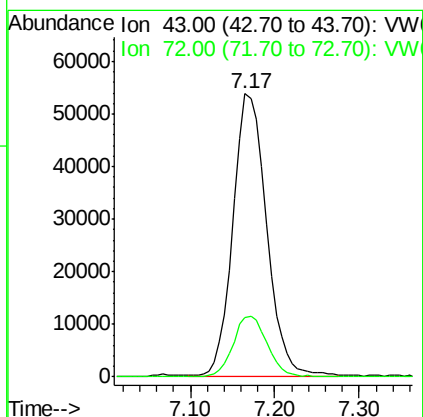
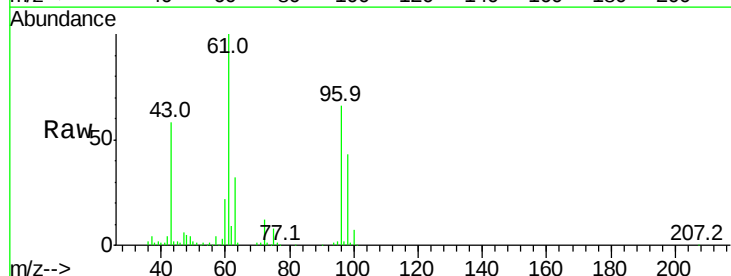
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02504

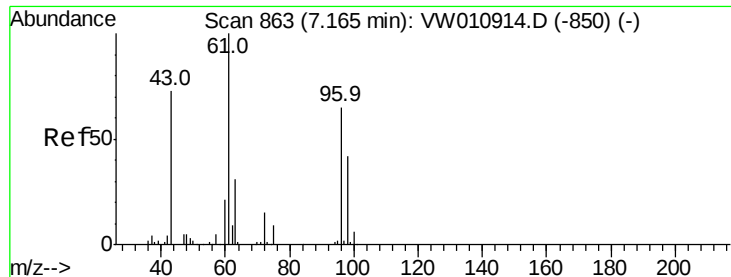
Tgt Ion: 63 Resp: 301335
 Ion Ratio Lower Upper
 63 100
 65 30.5 21.8 40.4
 83 12.2 8.8 16.4



#21
 2-Butanone
 Concen: 45.108 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010923.D
 Acq: 24 Jun 2019 09:22

Tgt Ion: 43 Resp: 145848
 Ion Ratio Lower Upper
 43 100
 72 21.7 11.1 33.1



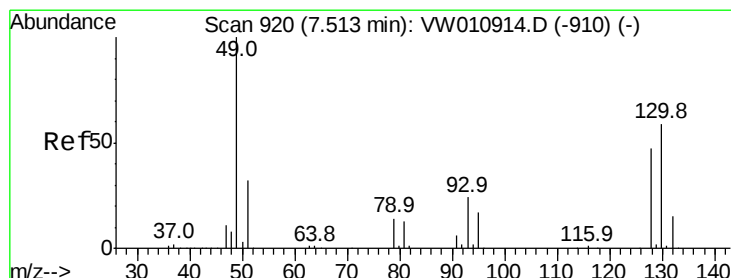
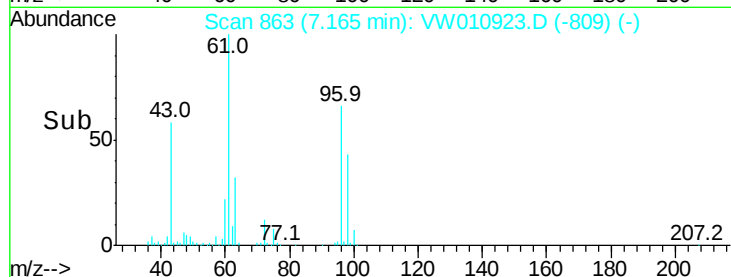
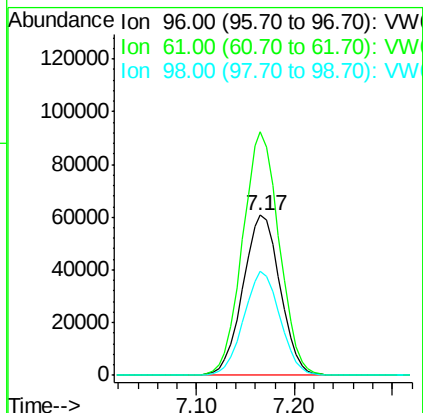
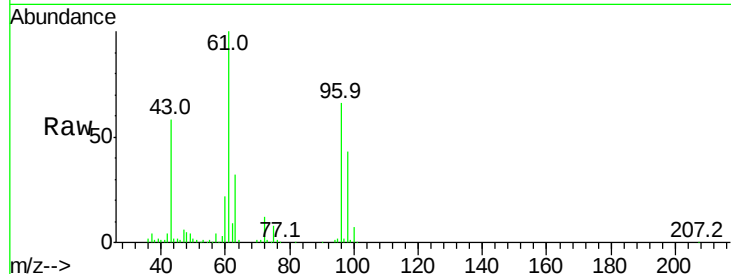


#22

cis-1,2-Dichloroethene
Concen: 26.553 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010923.D
Acq: 24 Jun 2019 09:22

Instrument :
MSVOA_W
ClientSampled :
VSTD02504

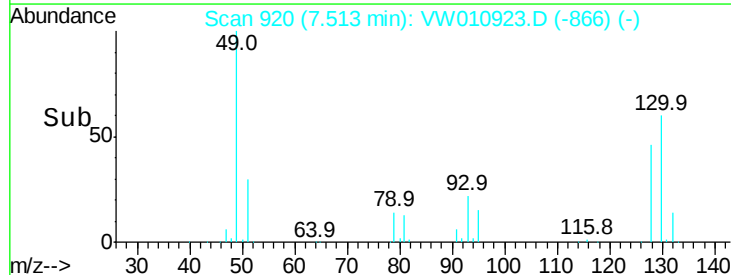
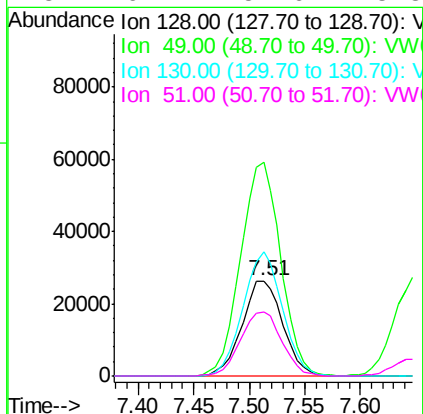
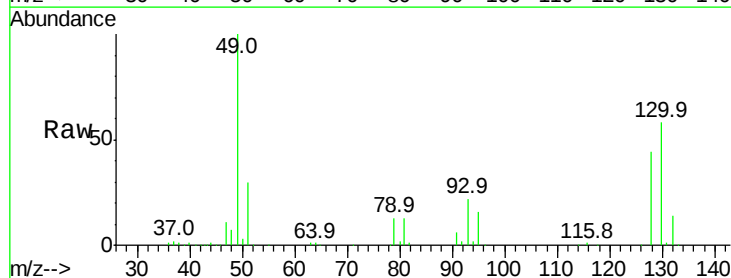
Tgt Ion: 96 Resp: 160183
Ion Ratio Lower Upper
96 100
61 152.1 103.0 191.2
98 65.0 43.5 80.9

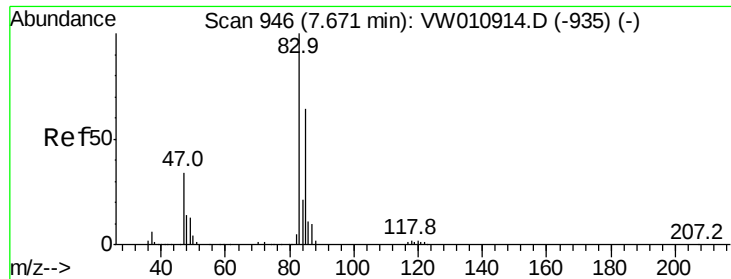


#23

Bromochloromethane
Concen: 25.377 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW010923.D
Acq: 24 Jun 2019 09:22

Tgt Ion: 128 Resp: 66527
Ion Ratio Lower Upper
128 100
49 225.3 151.2 280.8
130 130.8 87.8 163.0
51 67.7 52.6 78.8

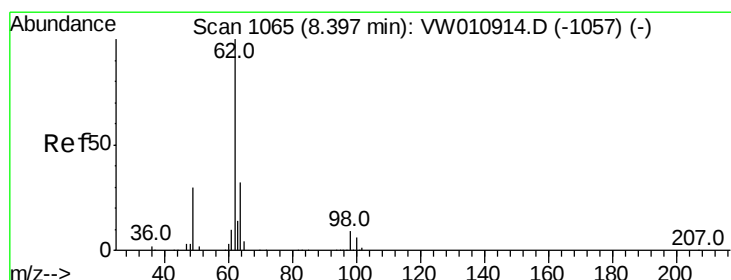
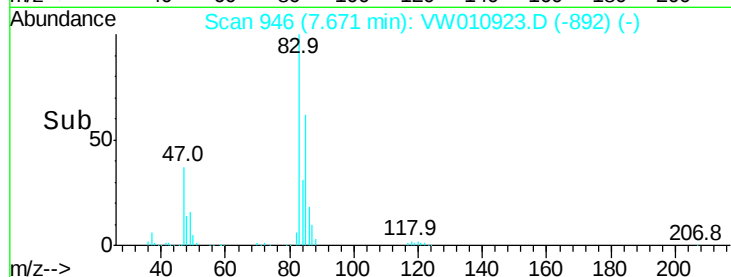
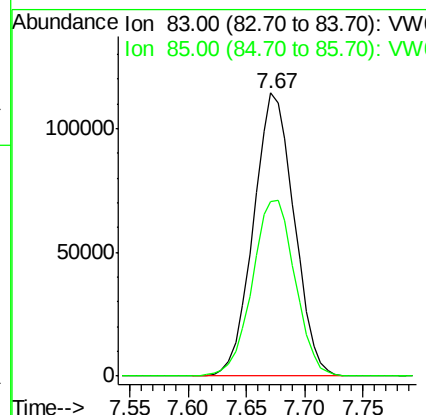
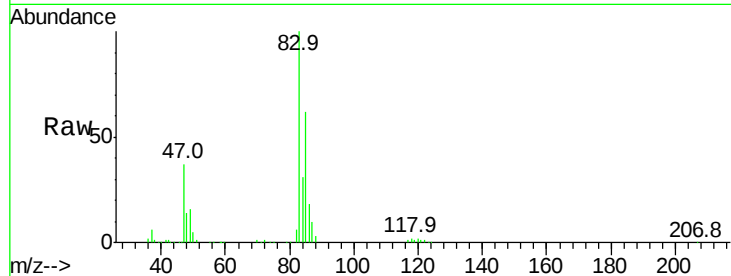




#25
Chloroform
Concen: 26.391 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010923.D
Acq: 24 Jun 2019 09:22

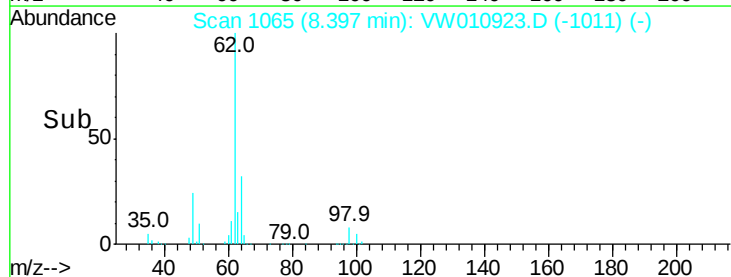
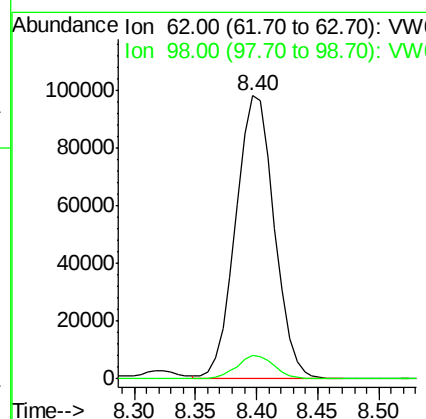
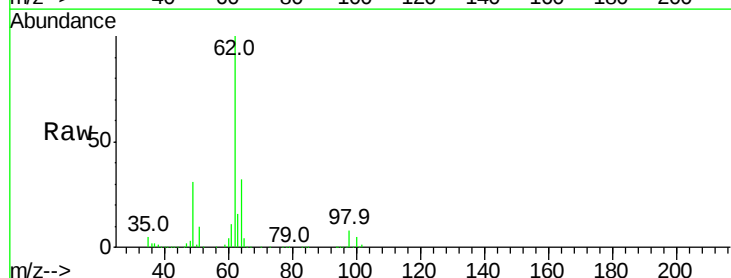
Instrument :
MSVOA_W
ClientSampled :
VSTD02504

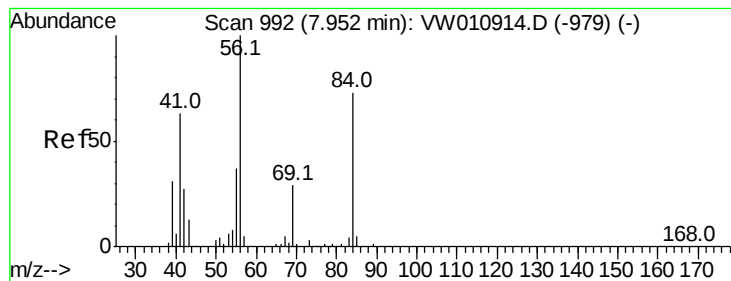
Tgt Ion: 83 Resp: 277009
Ion Ratio Lower Upper
83 100
85 65.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 25.233 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010923.D
Acq: 24 Jun 2019 09:22

Tgt Ion: 62 Resp: 213981
Ion Ratio Lower Upper
62 100
98 8.4 6.3 9.5





#30

Cyclohexane

Concen: 29.971 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

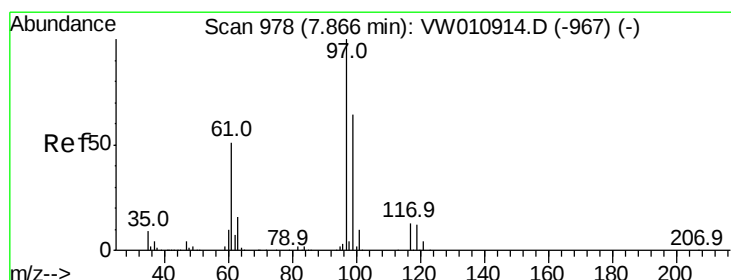
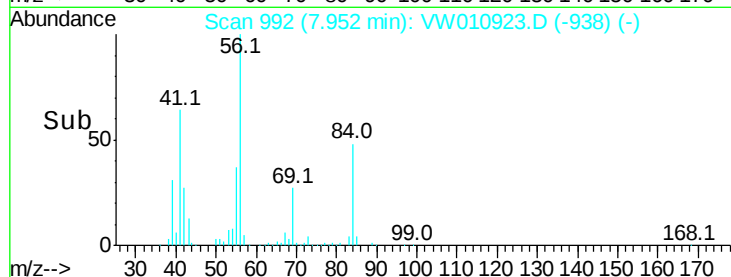
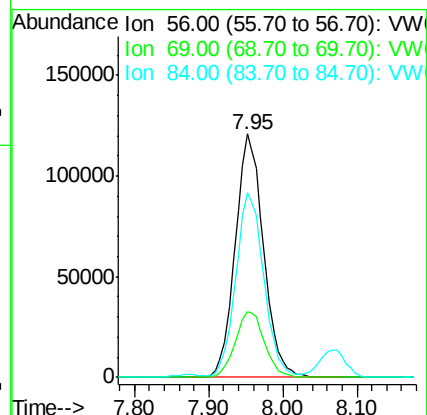
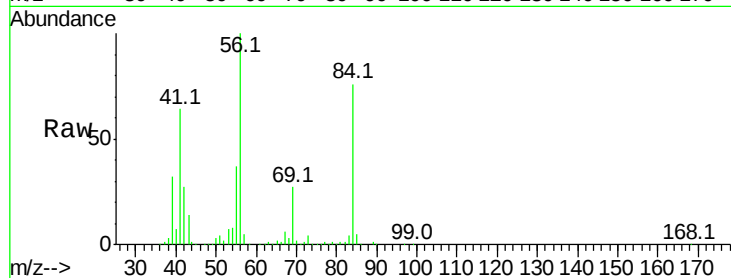
Tgt Ion: 56 Resp: 321317

Ion Ratio Lower Upper

56 100

69 27.8 22.3 33.5

84 75.4 60.3 90.5



#31

1,1,1-Trichloroethane

Concen: 29.756 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

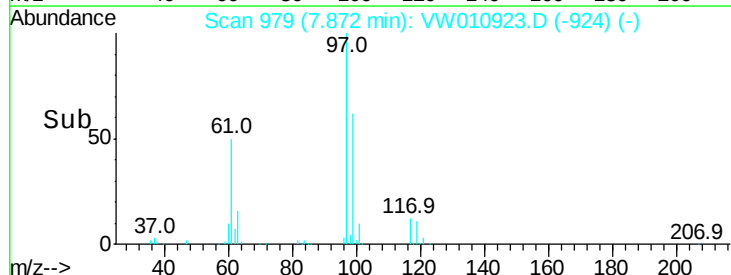
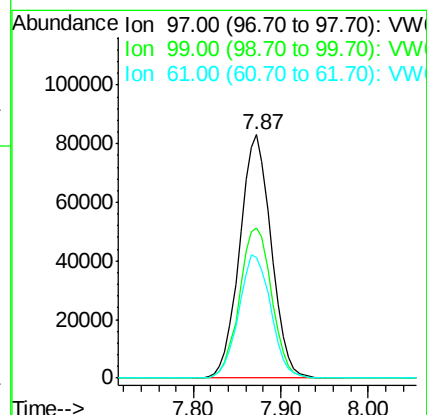
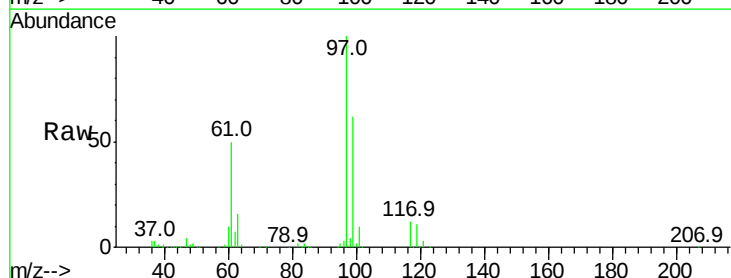
Tgt Ion: 97 Resp: 208485

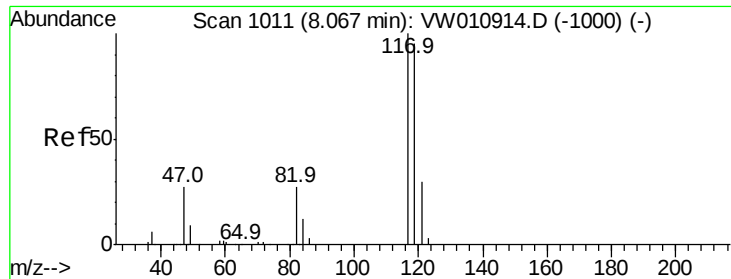
Ion Ratio Lower Upper

97 100

99 63.4 51.0 76.6

61 51.5 41.6 62.4





#32

Carbon tetrachloride

Concen: 30.829 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

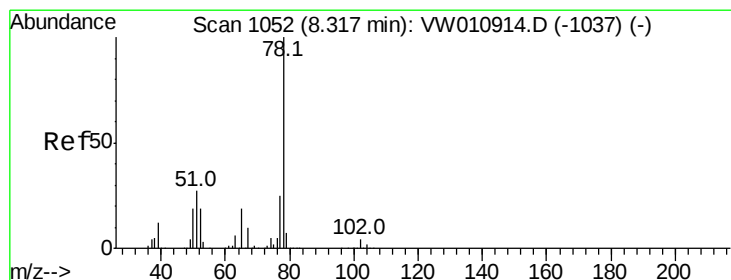
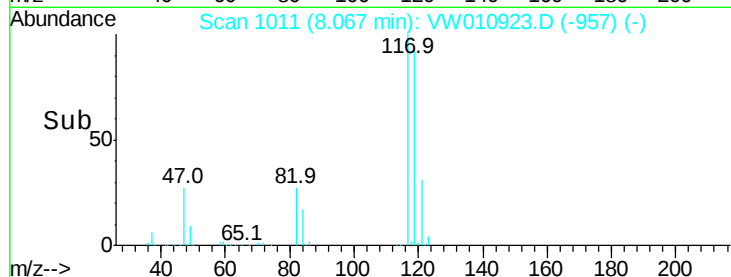
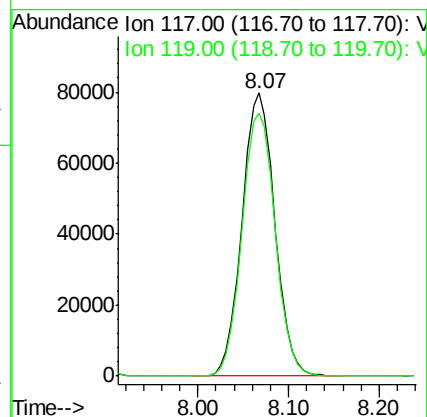
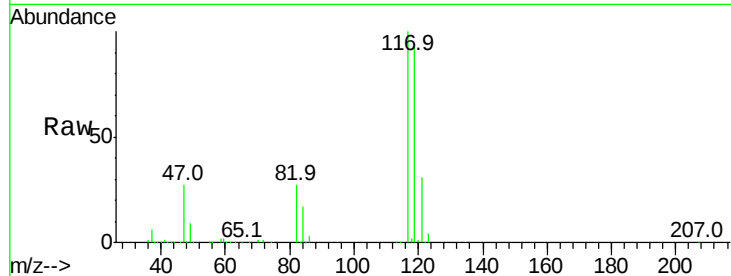
VSTD02504

Tgt Ion:117 Resp: 199523

Ion Ratio Lower Upper

117 100

119 94.6 76.1 114.1



#34

Benzene

Concen: 27.335 ug/L

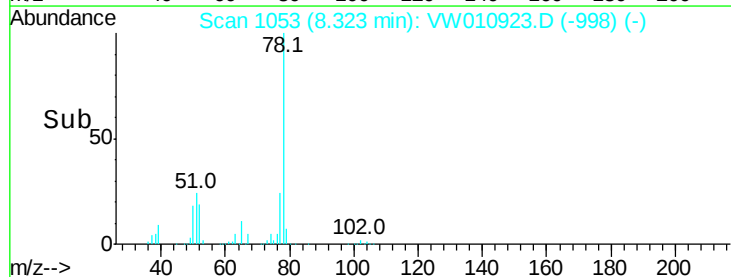
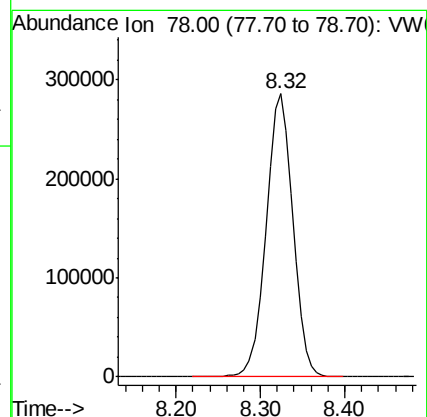
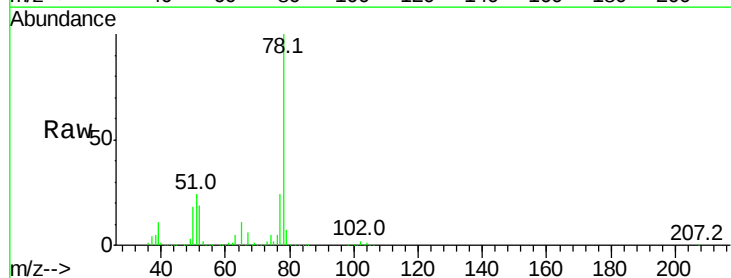
RT: 8.32 min Scan# 1053

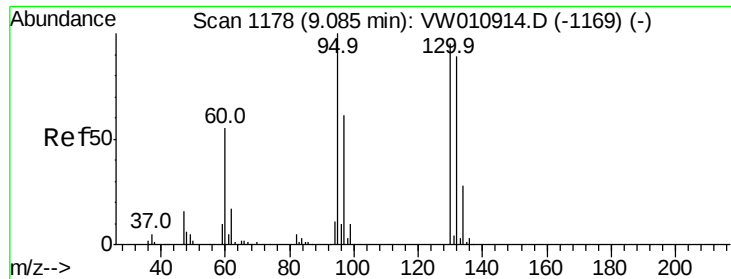
Delta R.T. 0.01 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

Tgt Ion: 78 Resp: 629300





#35

Trichloroethene

Concen: 27.776 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

Tgt Ion: 95 Resp: 158391

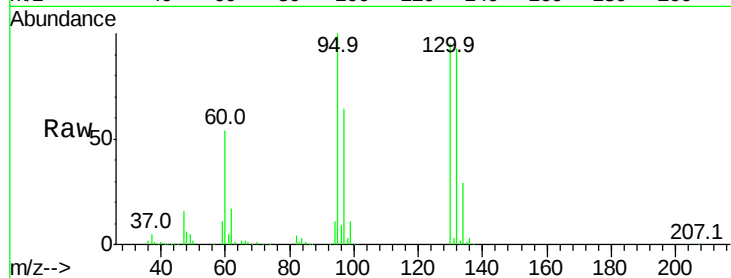
Ion Ratio Lower Upper

95 100

97 64.1 44.5 82.7

132 91.5 63.6 118.2

130 96.3 66.8 124.0

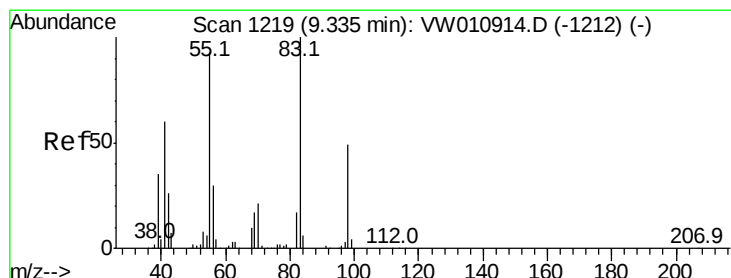
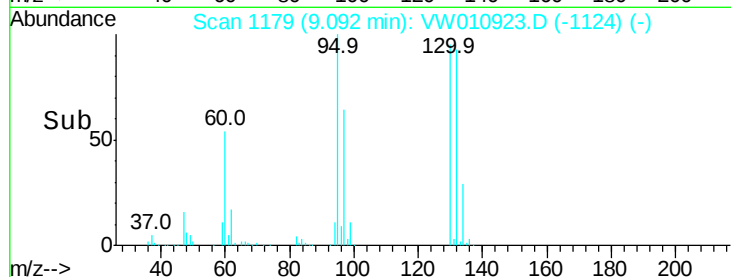
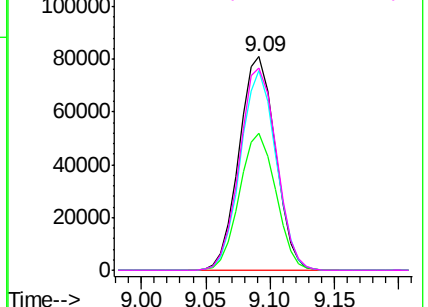


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 29.498 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

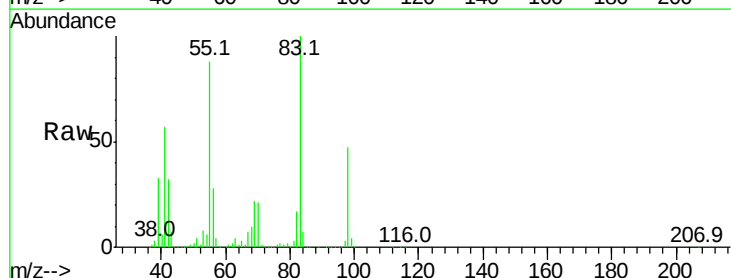
Tgt Ion: 83 Resp: 294455

Ion Ratio Lower Upper

83 100

55 90.2 72.6 109.0

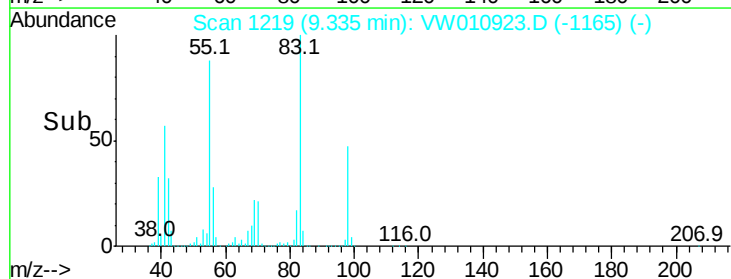
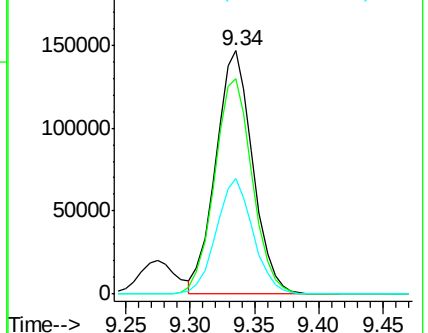
98 47.3 37.9 56.9

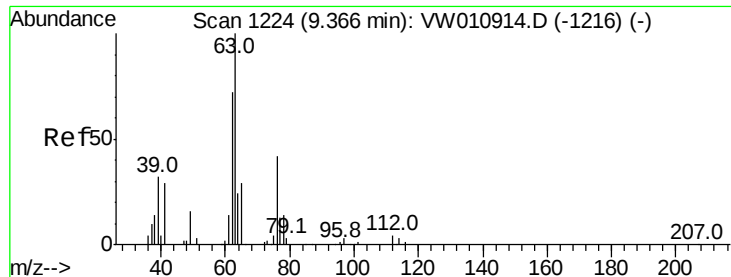


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 26.733 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

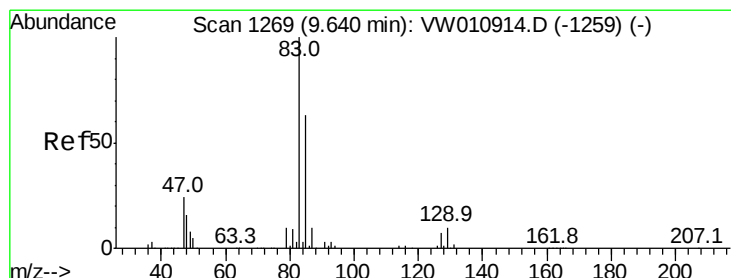
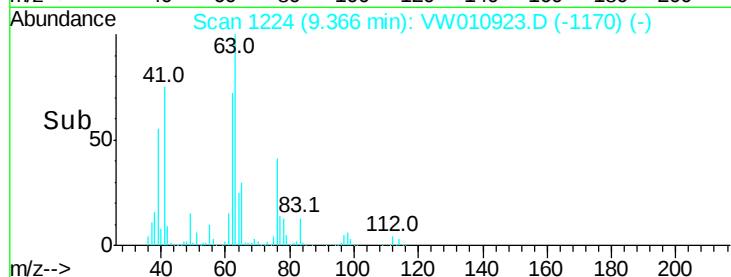
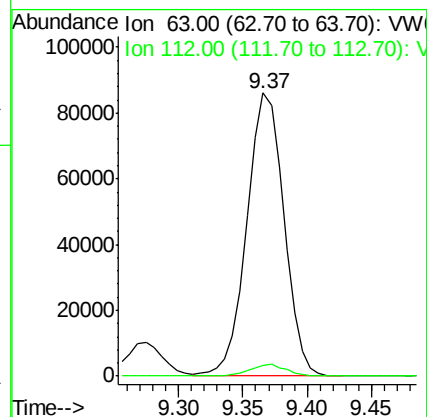
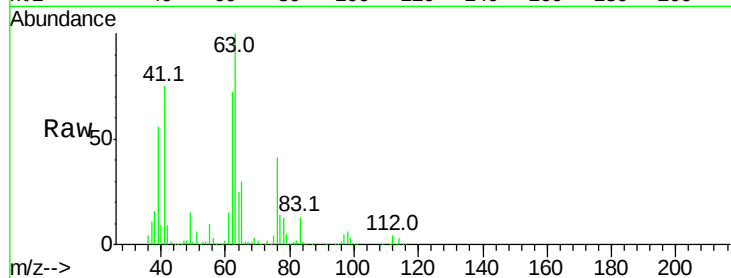
VSTD02504

Tgt Ion: 63 Resp: 172136

Ion Ratio Lower Upper

63 100

112 4.1 3.2 4.8



#41

Bromodichloromethane

Concen: 27.660 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

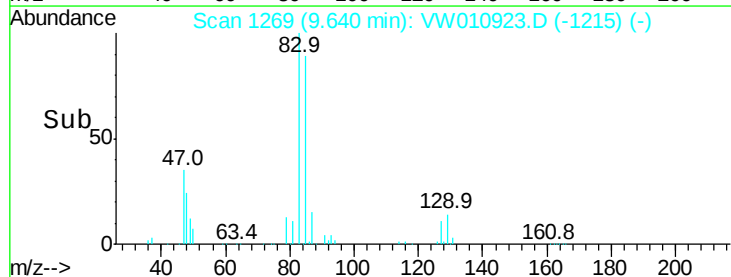
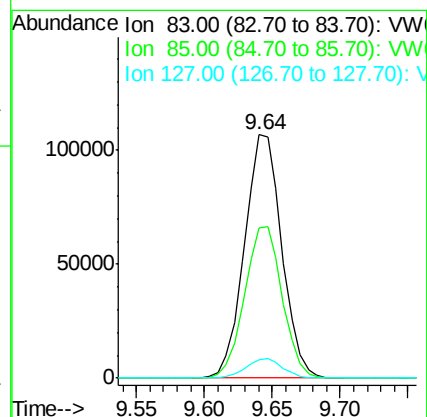
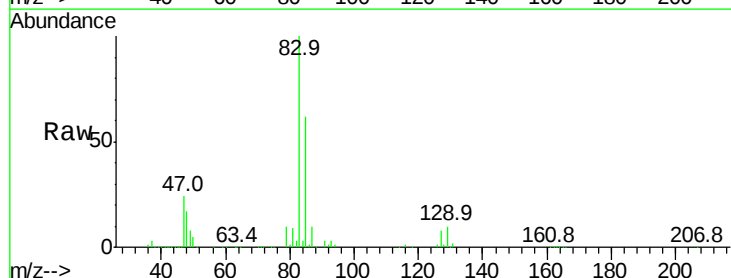
Tgt Ion: 83 Resp: 204864

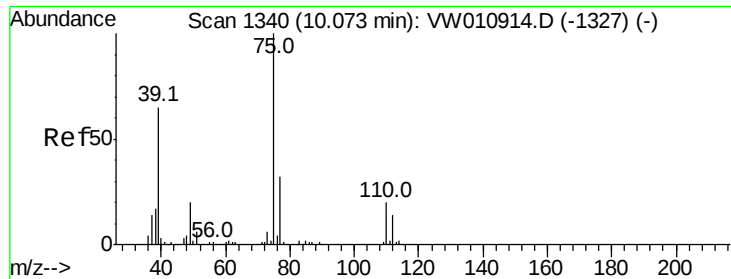
Ion Ratio Lower Upper

83 100

85 61.6 43.8 81.4

127 7.5 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 28.537 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

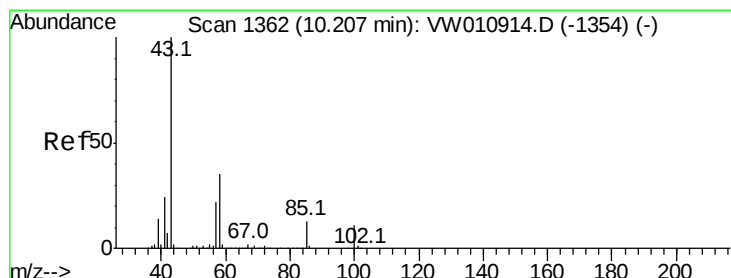
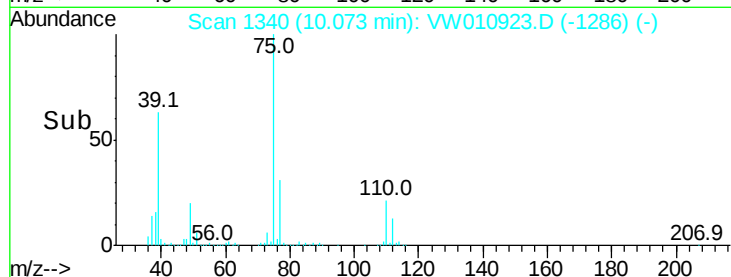
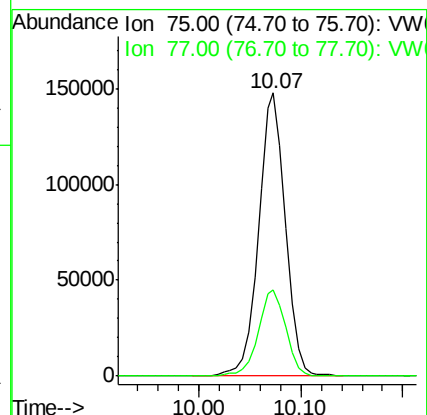
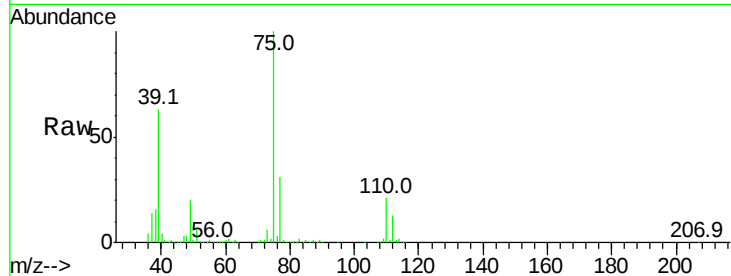
VSTD02504

Tgt Ion: 75 Resp: 269782

Ion Ratio Lower Upper

75 100

77 30.5 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 48.696 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

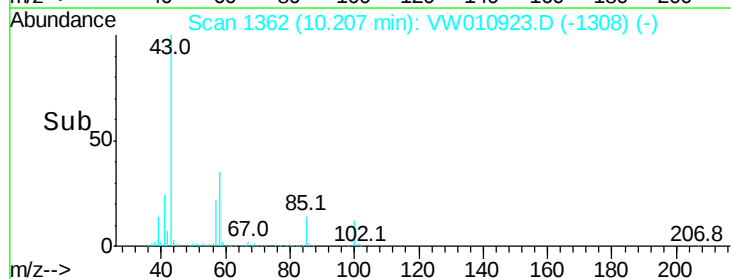
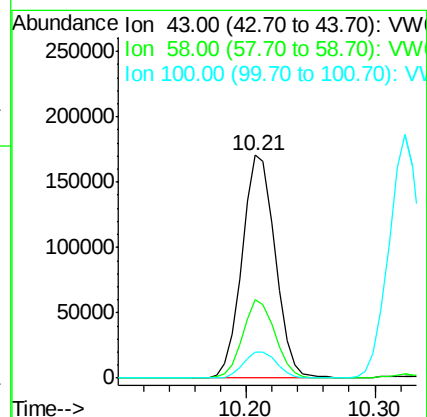
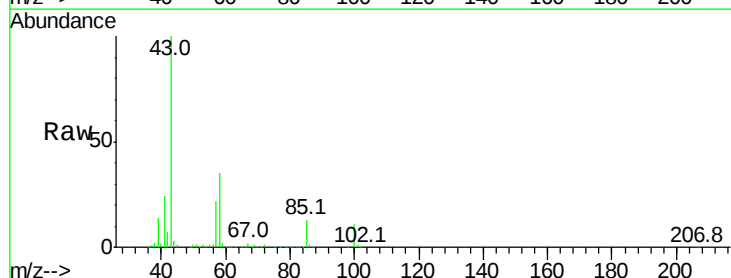
Tgt Ion: 43 Resp: 302310

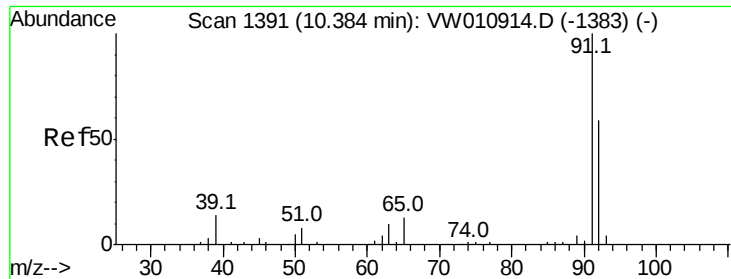
Ion Ratio Lower Upper

43 100

58 34.4 27.9 41.9

100 12.0 9.4 14.2





#44

Toluene

Concen: 27.481 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

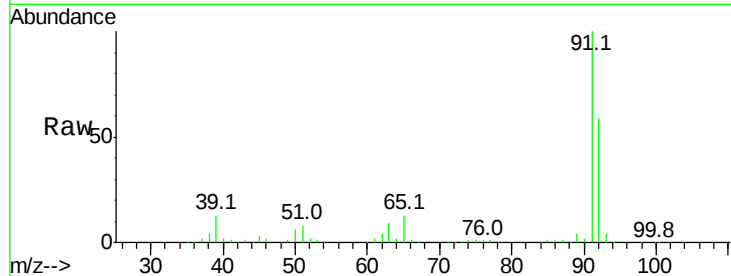
VSTD02504

Tgt Ion: 91 Resp: 656839

Ion Ratio Lower Upper

91 100

92 58.8 40.5 75.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

400000

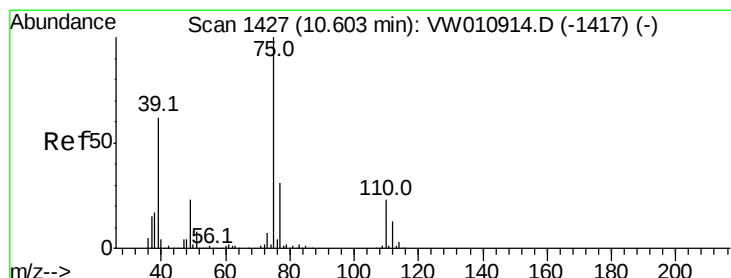
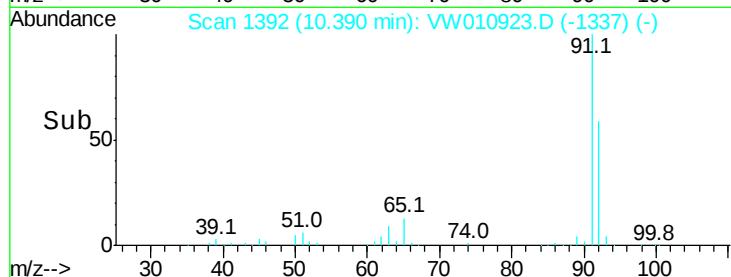
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 28.194 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010923.D

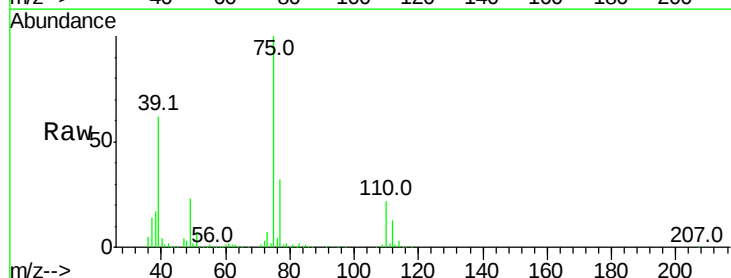
Acq: 24 Jun 2019 09:22

Tgt Ion: 75 Resp: 223543

Ion Ratio Lower Upper

75 100

77 32.3 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

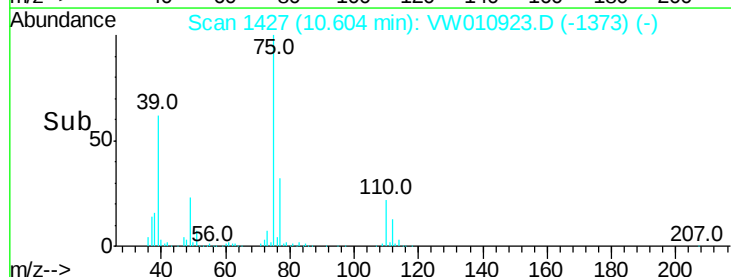
150000

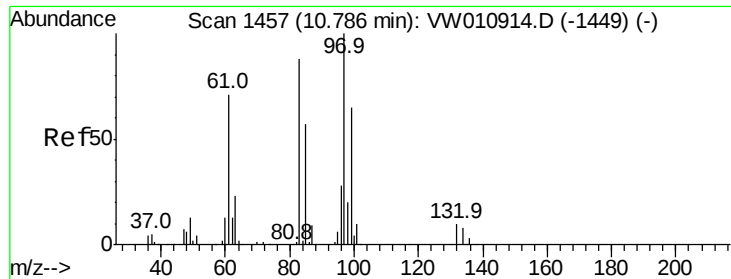
100000

50000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 25.584 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

Tgt Ion: 97 Resp: 115249

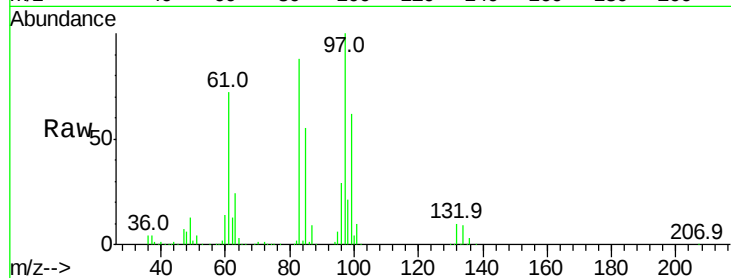
Ion Ratio Lower Upper

97 100

83 88.3 63.5 117.9

85 55.1 39.9 74.1

99 61.8 44.4 82.4

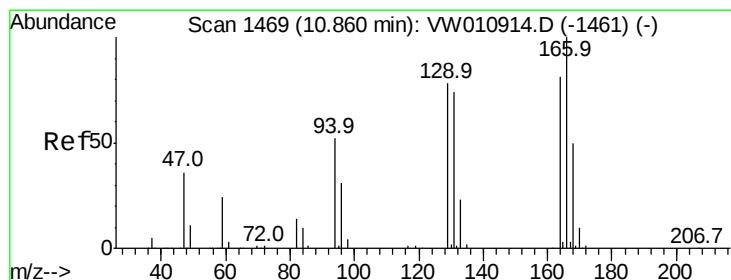
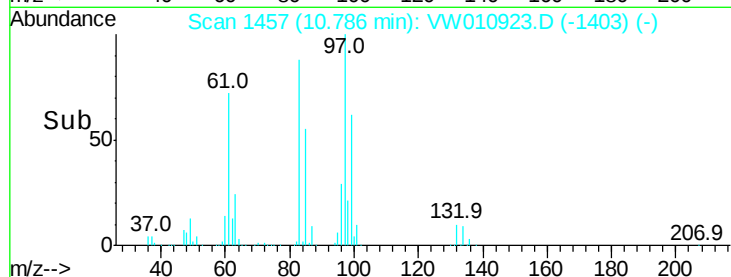
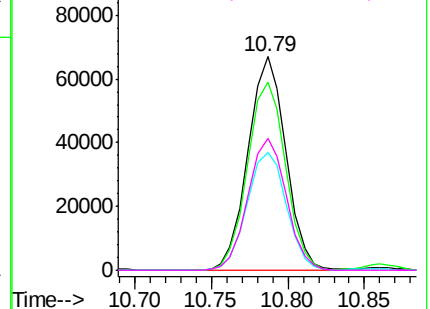


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 28.455 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

Tgt Ion: 164 Resp: 119519

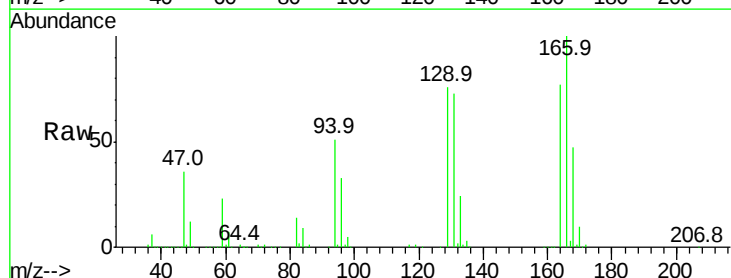
Ion Ratio Lower Upper

164 100

129 99.4 68.5 127.3

131 95.4 65.3 121.3

166 130.3 88.9 165.1

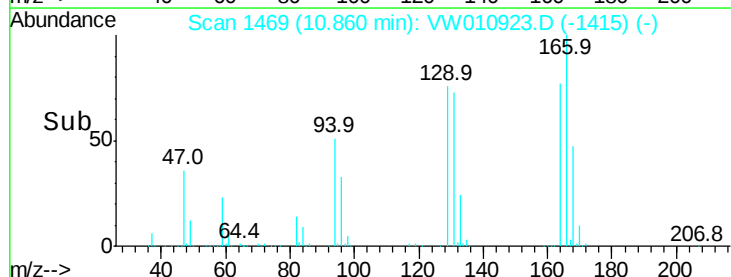
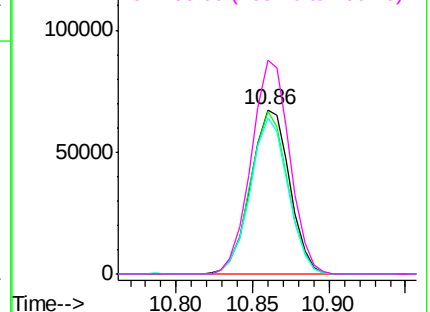


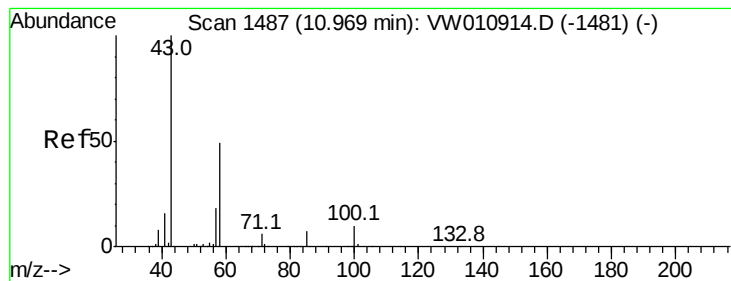
Abundance Ion 164.00 (163.70 to 164.70): V

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: 49.704 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

Tgt Ion: 43 Resp: 217212

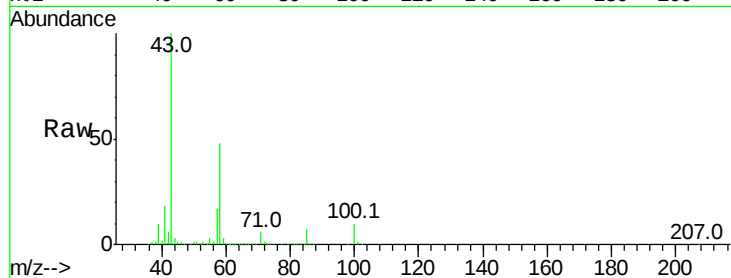
Ion Ratio Lower Upper

43 100

58 47.9 38.2 57.2

57 17.3 13.5 20.3

100 9.1 7.4 11.0

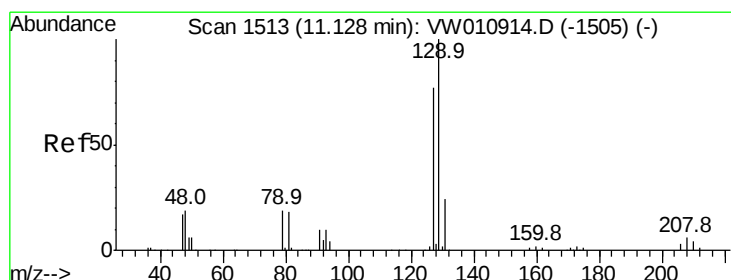
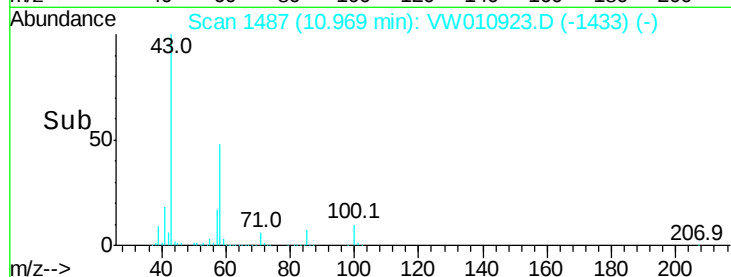
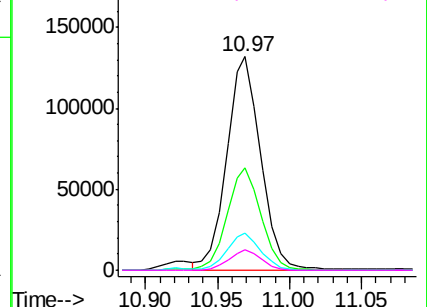


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 27.192 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010923.D

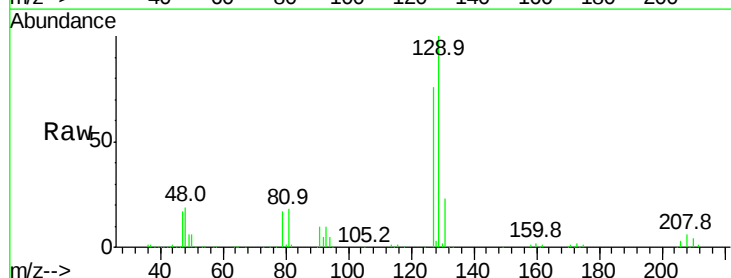
Acq: 24 Jun 2019 09:22

Tgt Ion: 129 Resp: 130418

Ion Ratio Lower Upper

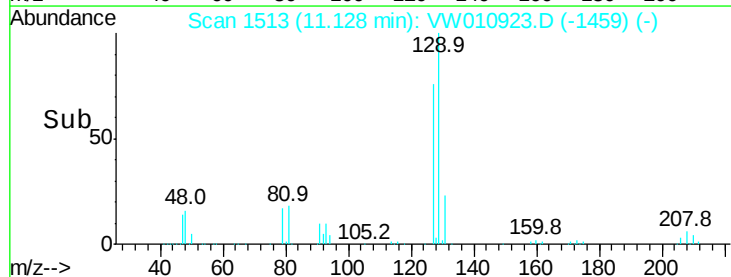
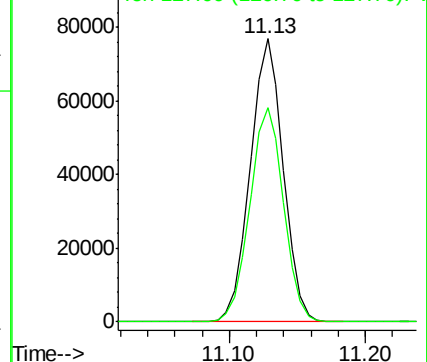
129 100

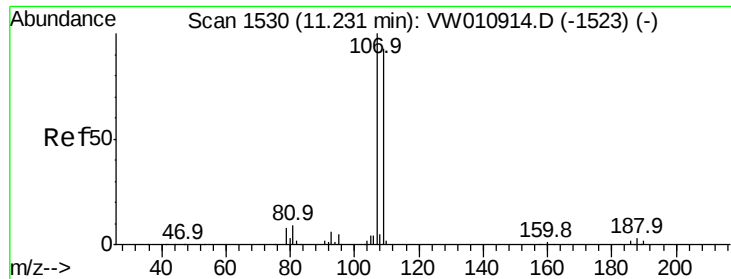
127 75.5 53.5 99.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

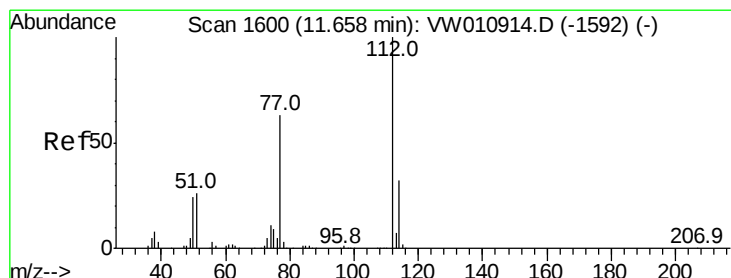
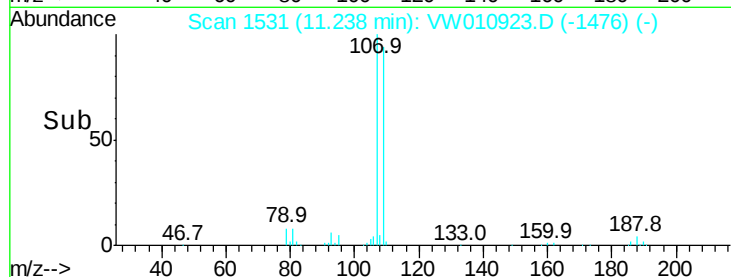
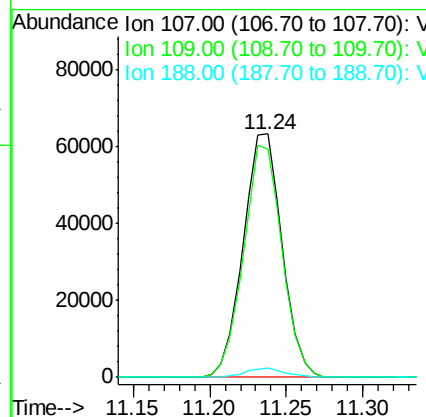
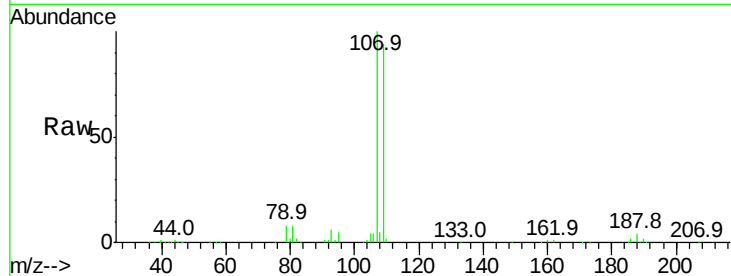




#51
 1,2-Dibromoethane
 Concen: 25.182 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW010923.D
 Acq: 24 Jun 2019 09:22

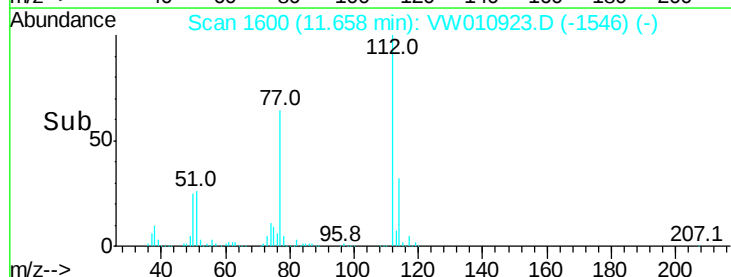
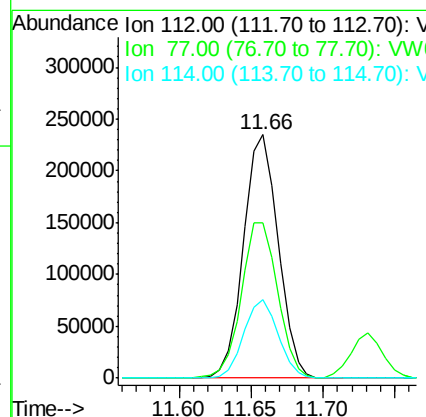
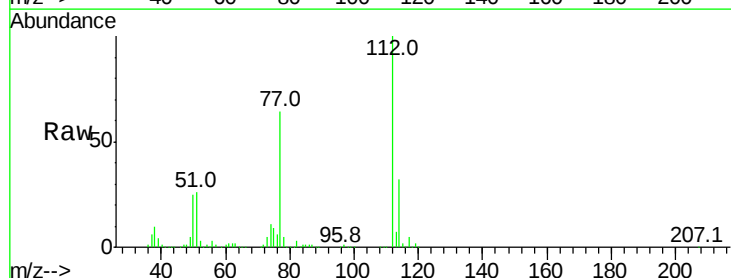
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

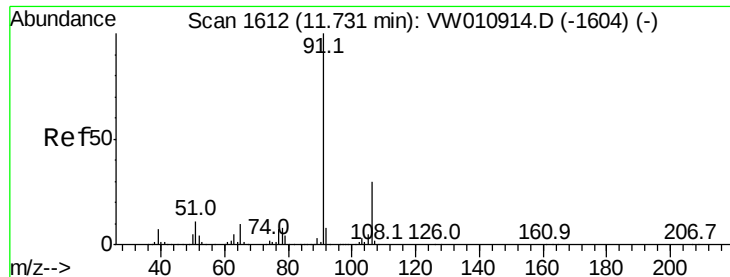
Tgt Ion:107 Resp: 111717
 Ion Ratio Lower Upper
 107 100
 109 93.6 65.7 121.9
 188 4.1 3.0 4.4



#52
 Chlorobenzene
 Concen: 26.596 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW010923.D
 Acq: 24 Jun 2019 09:22

Tgt Ion:112 Resp: 391955
 Ion Ratio Lower Upper
 112 100
 77 63.9 51.4 77.0
 114 32.4 22.5 41.9





#53

Ethylbenzene

Concen: 27.824 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

Instrument :

MSVOA_W

ClientSampled :

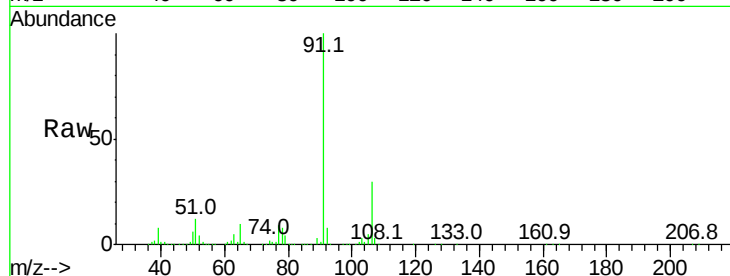
VSTD02504

Tgt Ion: 91 Resp: 745270

Ion Ratio Lower Upper

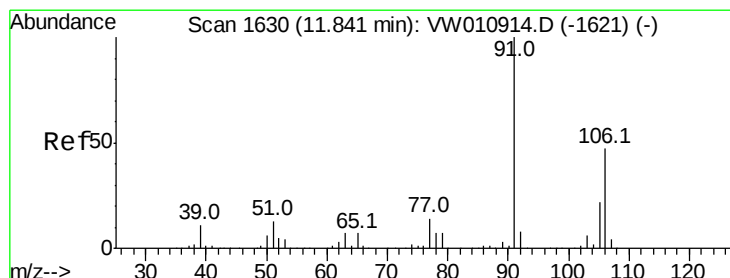
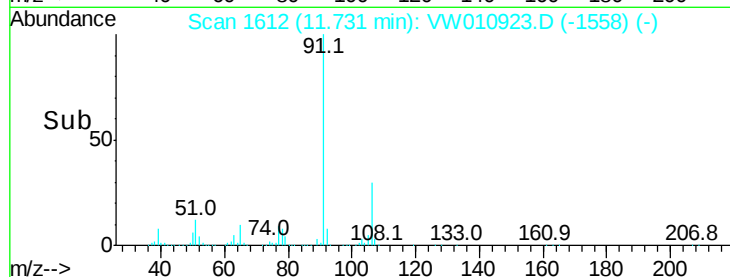
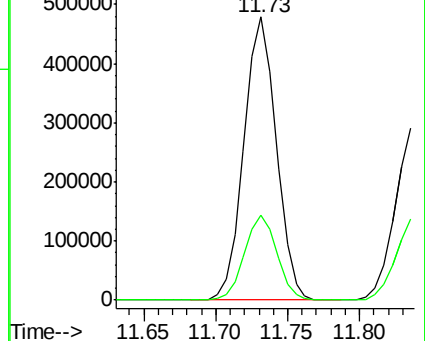
91 100

106 29.8 20.6 38.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 27.777 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010923.D

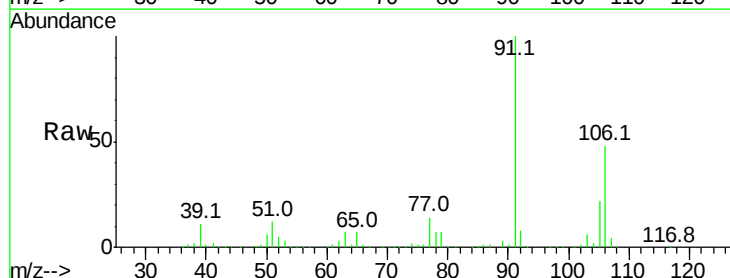
Acq: 24 Jun 2019 09:22

Tgt Ion: 106 Resp: 270724

Ion Ratio Lower Upper

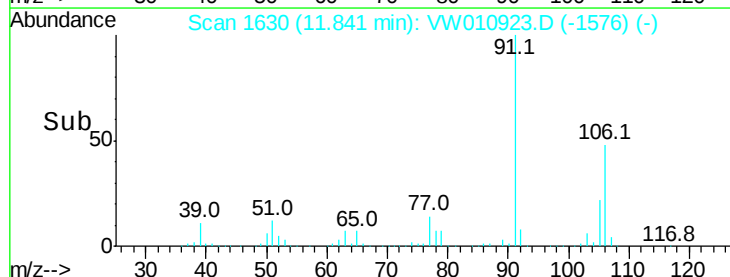
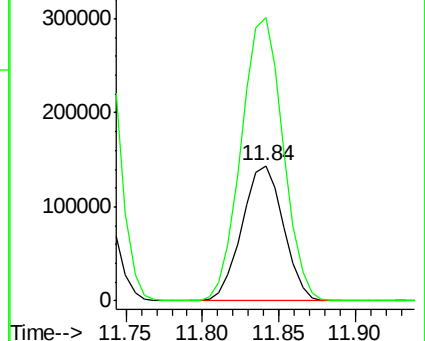
106 100

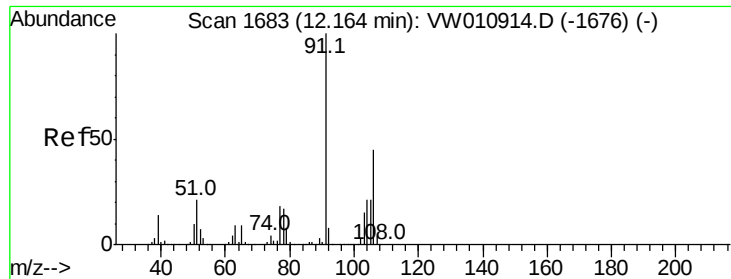
91 209.3 148.3 275.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 27.212 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

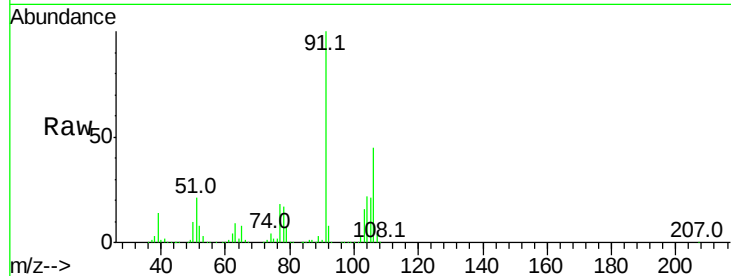
VSTD02504

Tgt Ion:106 Resp: 260641

Ion Ratio Lower Upper

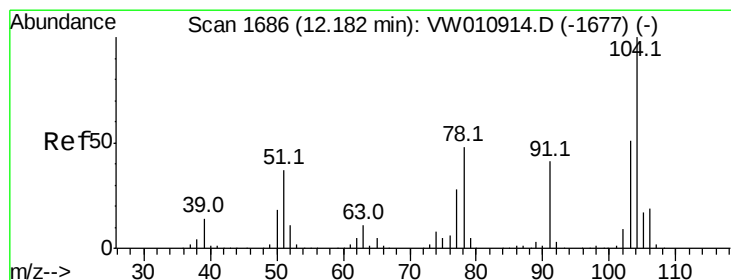
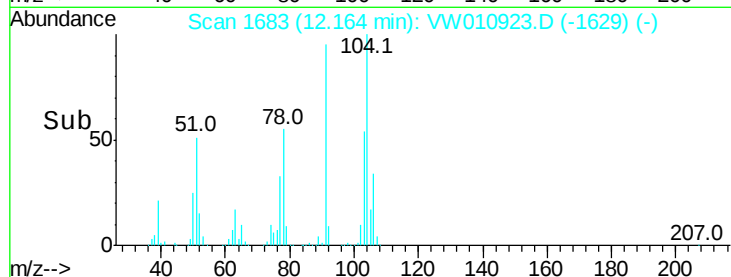
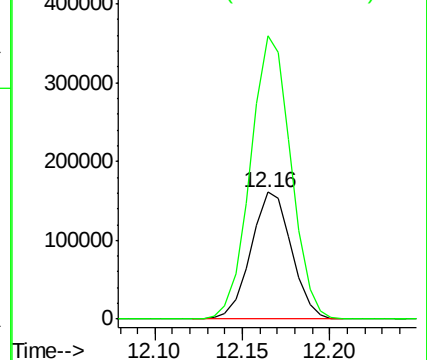
106 100

91 223.0 157.1 291.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.326 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW010923.D

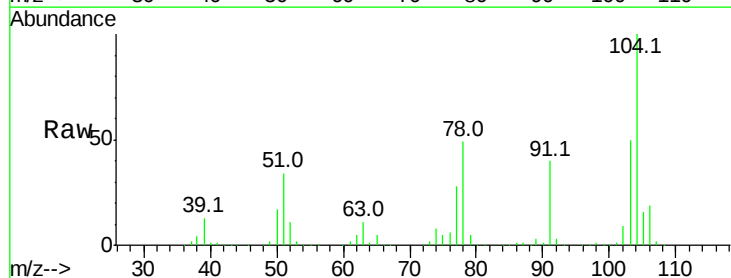
Acq: 24 Jun 2019 09:22

Tgt Ion:104 Resp: 449468

Ion Ratio Lower Upper

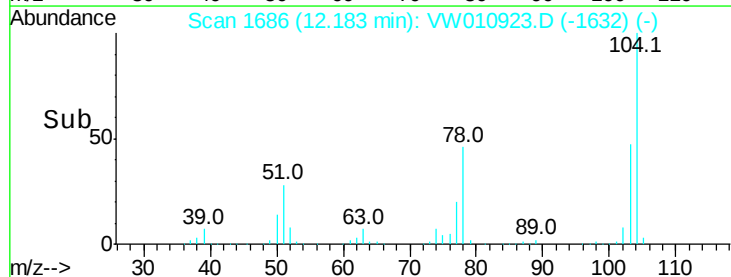
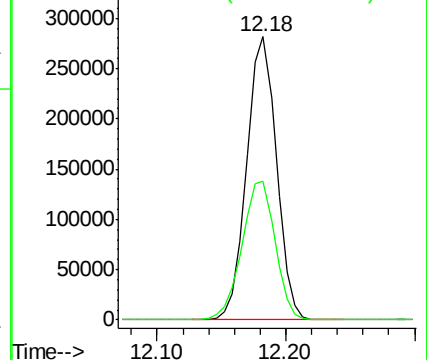
104 100

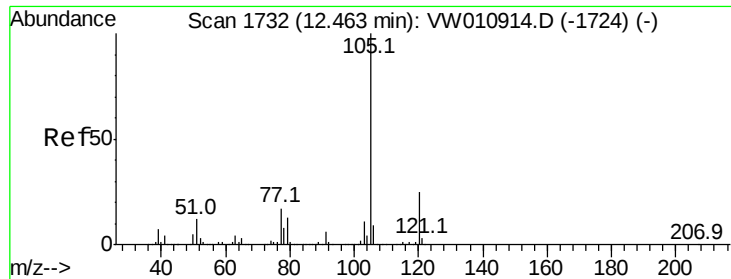
78 49.2 34.8 64.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.289 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

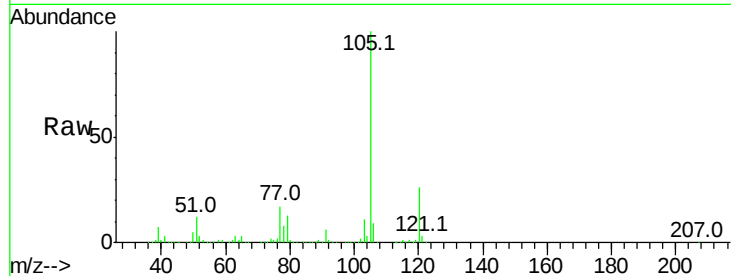
Tgt Ion:105 Resp: 708924

Ion Ratio Lower Upper

105 100

120 25.9 20.3 30.5

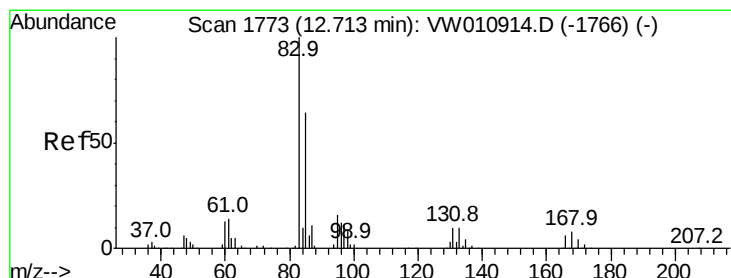
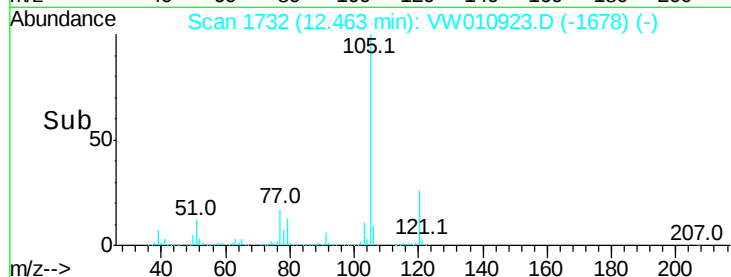
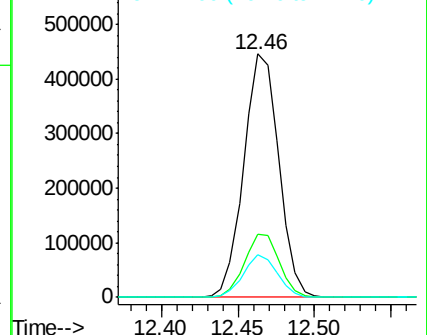
77 17.1 13.6 20.4



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: 25.246 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

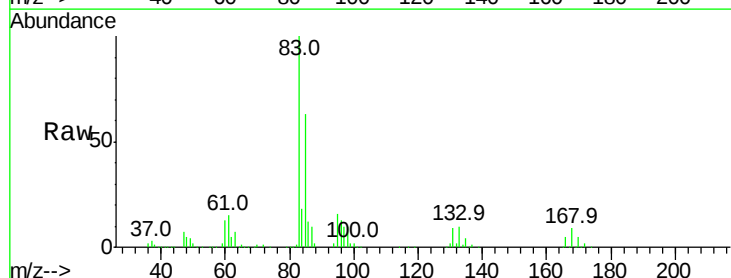
Tgt Ion: 83 Resp: 150861

Ion Ratio Lower Upper

83 100

85 62.8 43.8 81.3

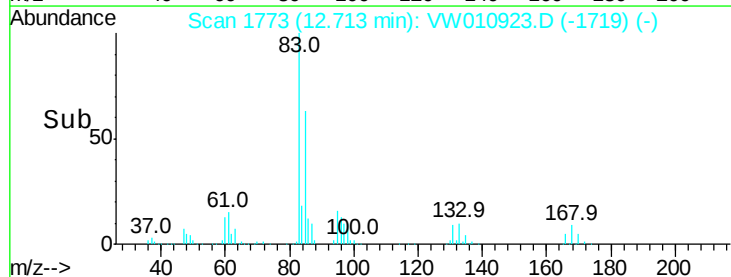
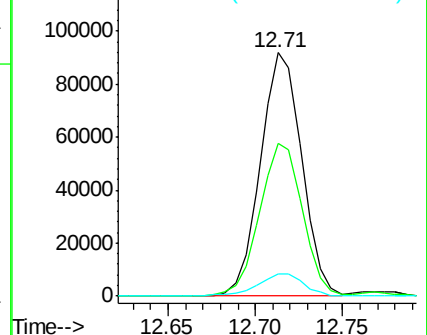
131 9.2 6.9 10.3

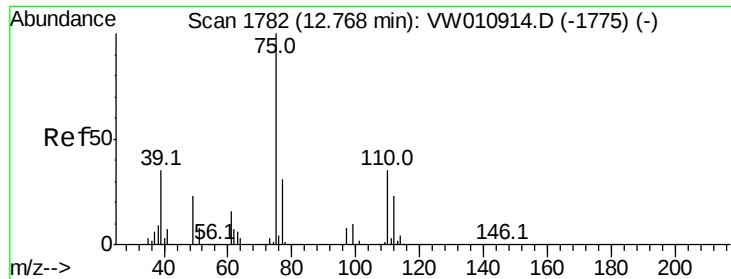


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.348 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

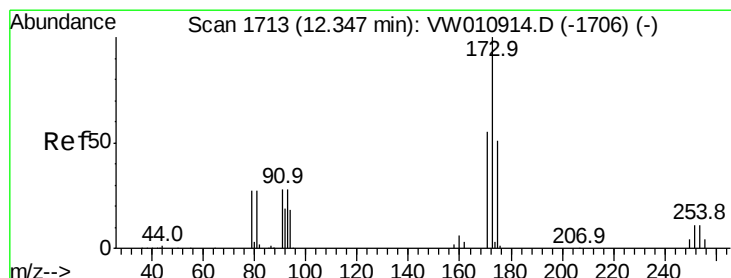
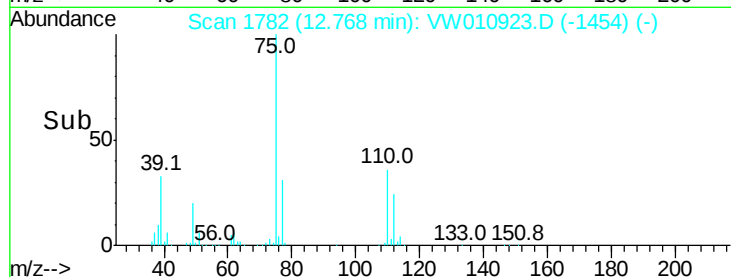
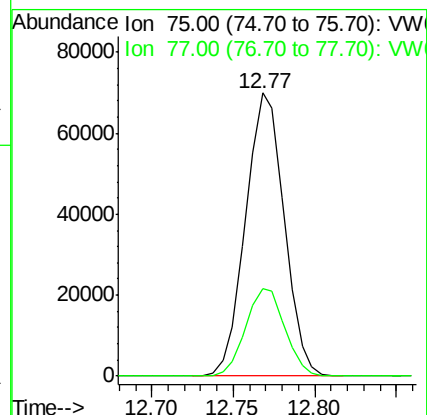
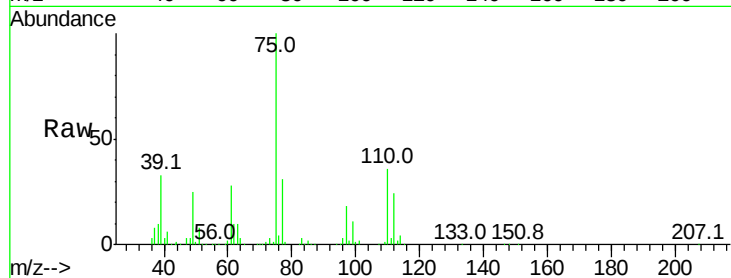
VSTD02504

Tgt Ion: 75 Resp: 115563

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2



#62

Bromoform

Concen: 25.991 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

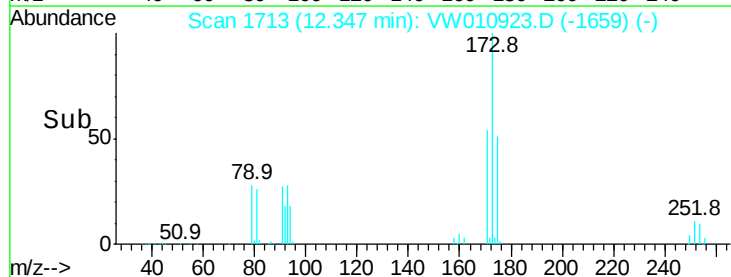
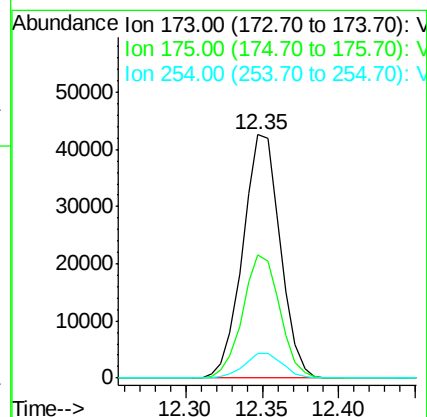
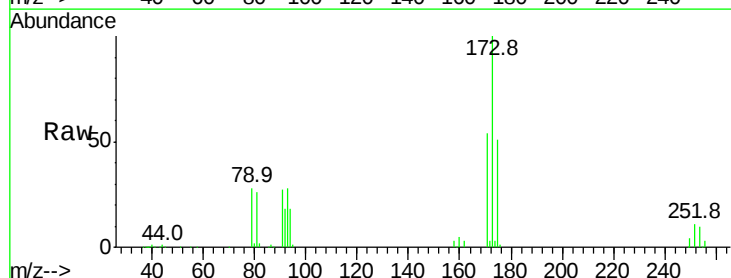
Tgt Ion: 173 Resp: 72388

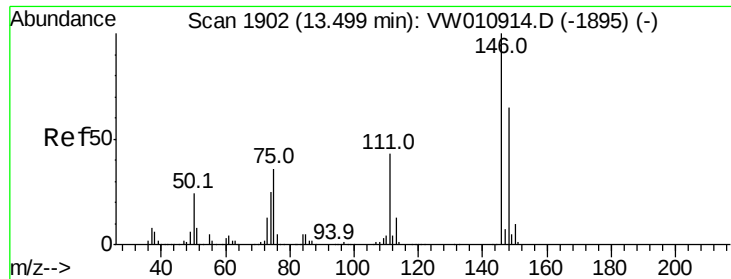
Ion Ratio Lower Upper

173 100

175 50.1 38.2 57.2

254 10.6 8.5 12.7

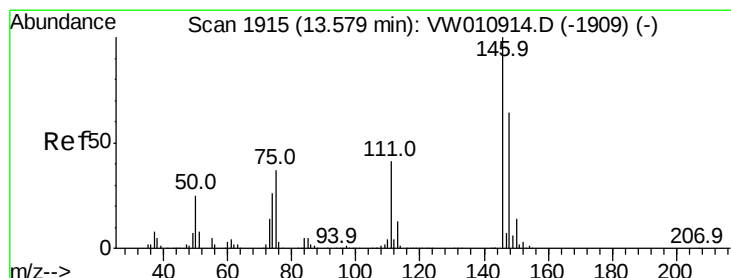
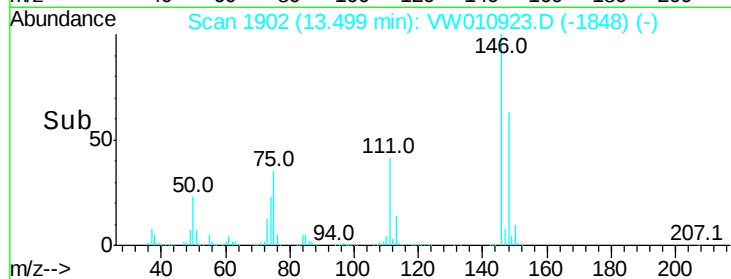
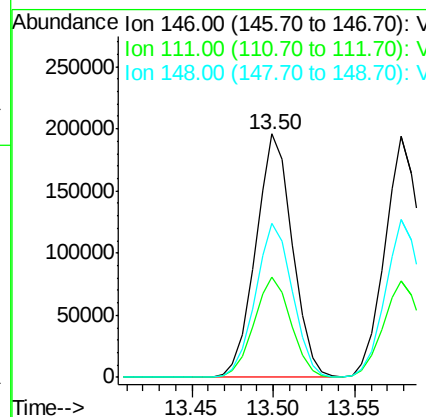
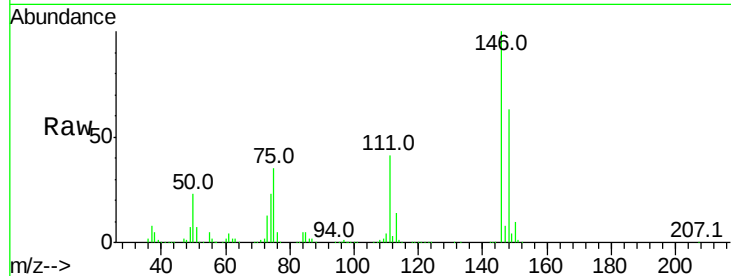




#63
 1,3-Dichlorobenzene
 Concen: 26.758 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010923.D
 Acq: 24 Jun 2019 09:22

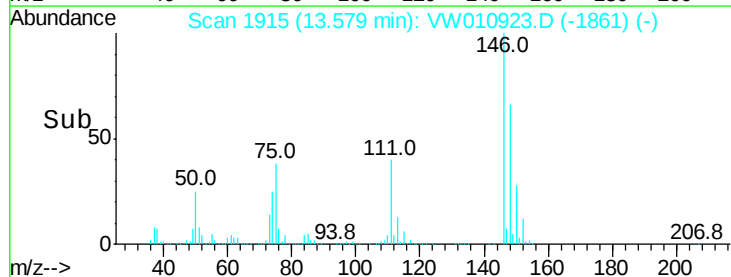
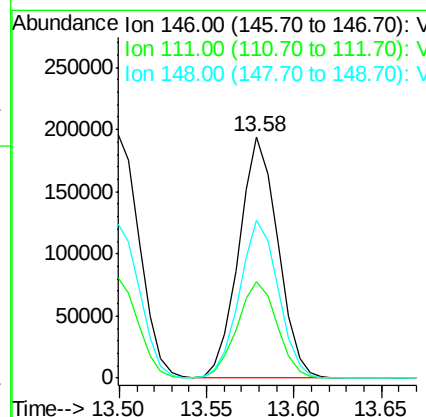
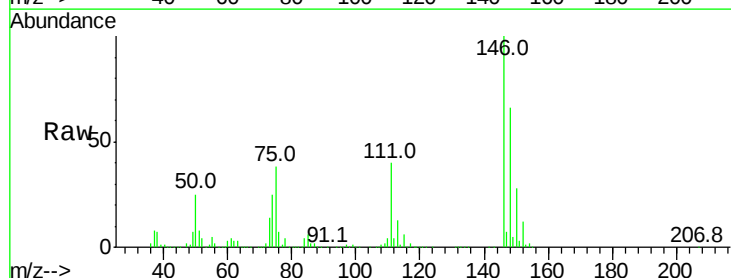
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

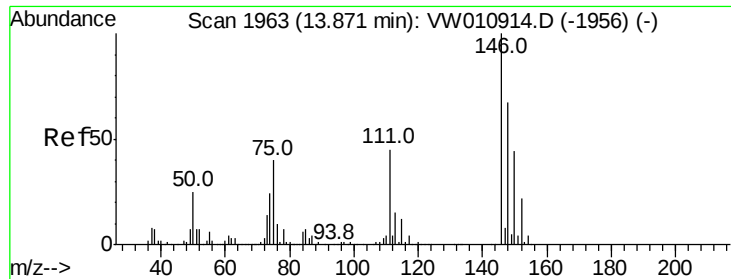
Tgt Ion:146 Resp: 305244
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.8 53.6
 148 63.1 45.4 84.4



#64
 1,4-Dichlorobenzene
 Concen: 25.827 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010923.D
 Acq: 24 Jun 2019 09:22

Tgt Ion:146 Resp: 300748
 Ion Ratio Lower Upper
 146 100
 111 39.9 28.7 53.3
 148 65.7 43.8 81.3

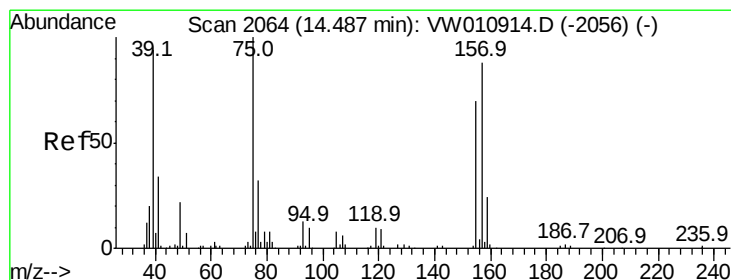
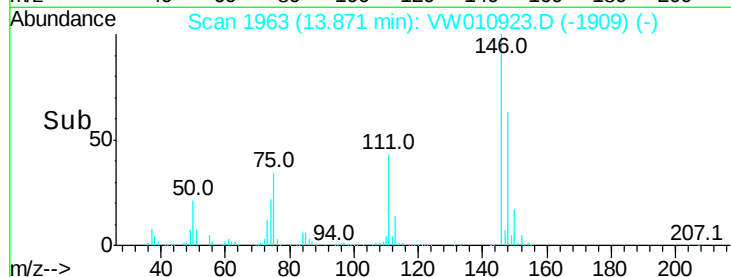
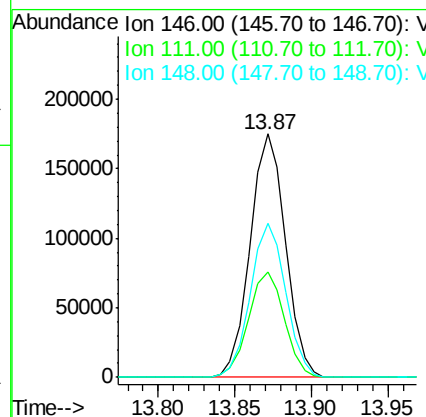
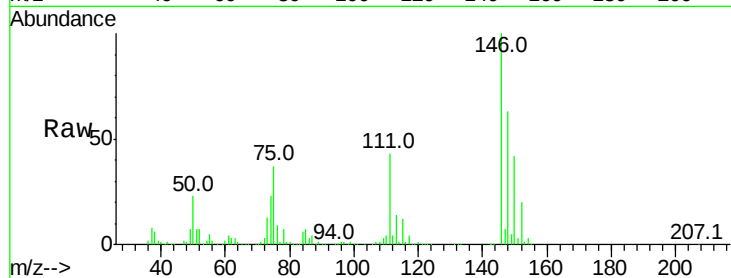




#65
1,2-Dichlorobenzene
Concen: 26.118 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW010923.D
Acq: 24 Jun 2019 09:22

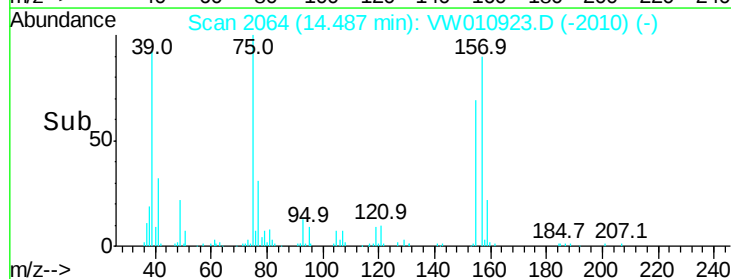
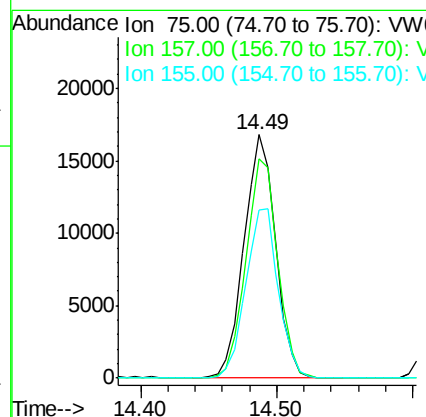
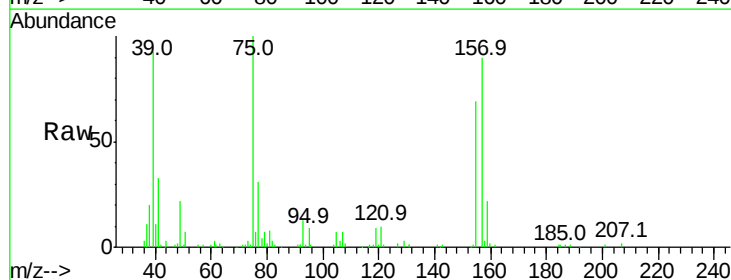
Instrument :
MSVOA_W
ClientSampleId :
VSTD02504

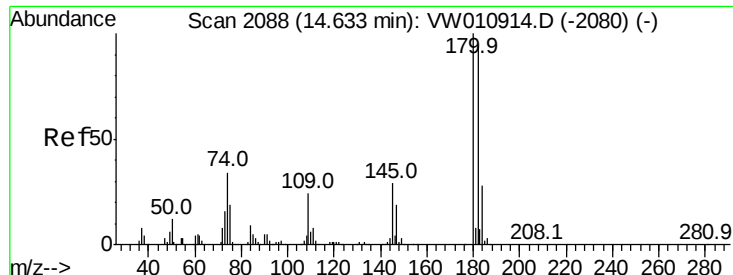
Tgt Ion:146 Resp: 281557
Ion Ratio Lower Upper
146 100
111 43.2 34.6 51.8
148 63.1 50.6 76.0



#66
1,2-Dibromo-3-chloropropane
Concen: 24.660 ug/L
RT: 14.49 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VW010923.D
Acq: 24 Jun 2019 09:22

Tgt Ion: 75 Resp: 27244
Ion Ratio Lower Upper
75 100
157 89.8 70.1 105.1
155 69.0 54.5 81.7

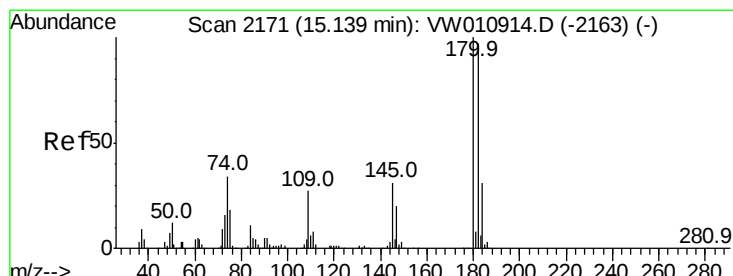
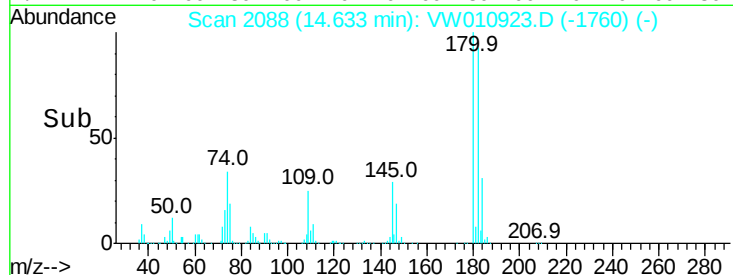
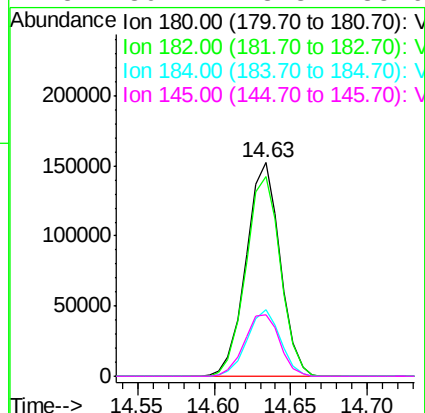
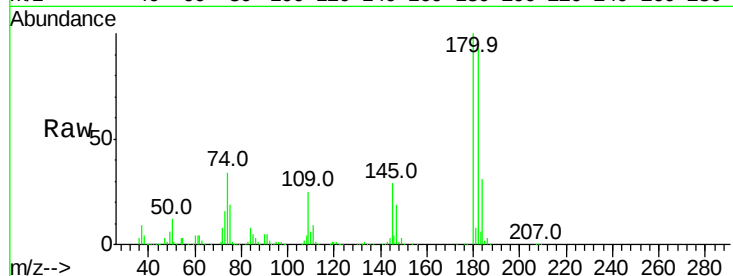




#67
 1,3,5-Trichlorobenzene
 Concen: 27.208 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010923.D
 Acq: 24 Jun 2019 09:22

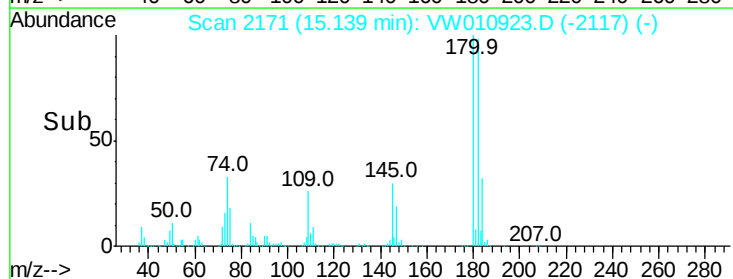
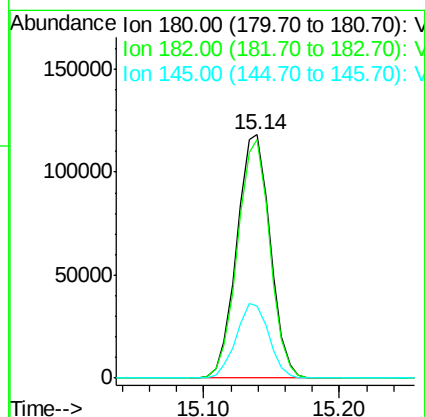
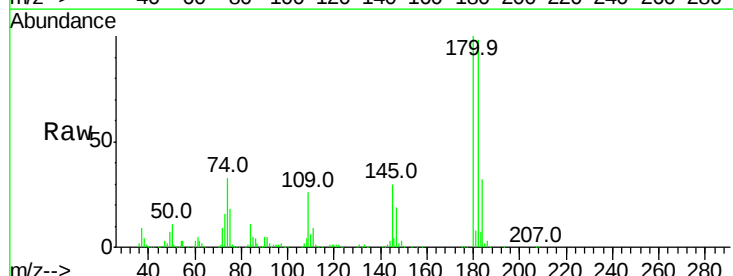
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

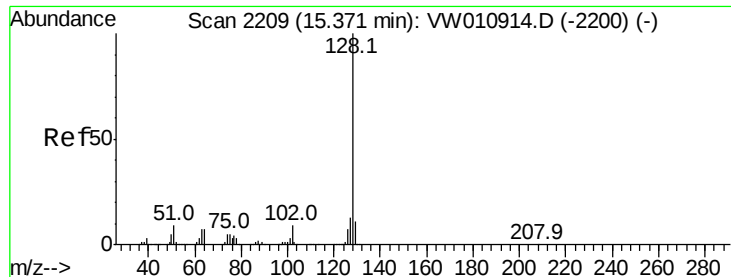
Tgt Ion:	180	Resp:	234970
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.8	113.8
184	30.4	24.2	36.2
145	30.2	23.8	35.6



#68
 1,2,4-trichlorobenzene
 Concen: 26.971 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010923.D
 Acq: 24 Jun 2019 09:22

Tgt Ion:	180	Resp:	202500
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.6	114.8
145	30.3	24.4	36.6





#69

Naphthalene

Concen: 25.250 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

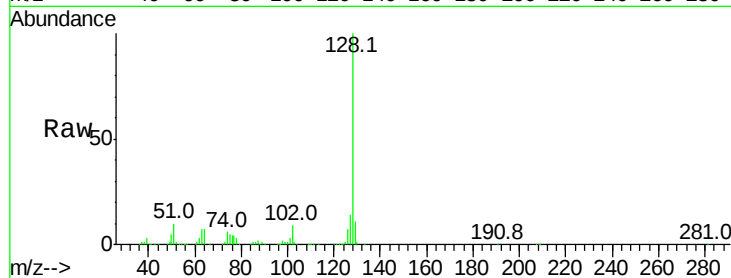
Tgt Ion:128 Resp: 425776

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

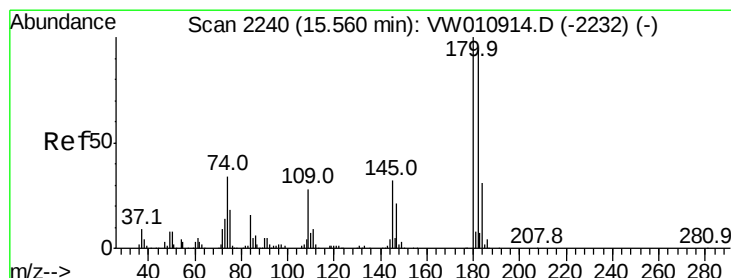
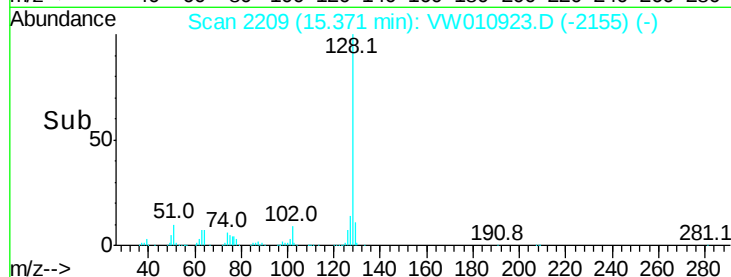
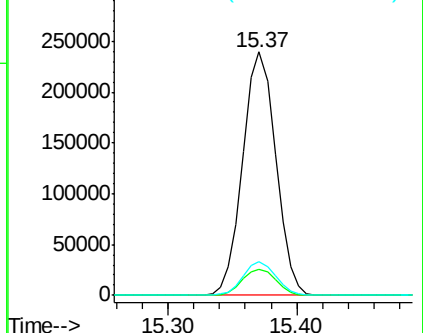
127 13.6 10.6 15.8



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: 26.327 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010923.D

Acq: 24 Jun 2019 09:22

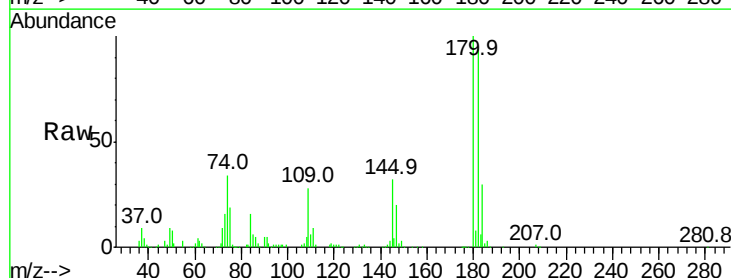
Tgt Ion:180 Resp: 183716

Ion Ratio Lower Upper

180 100

182 95.0 75.6 113.4

145 32.0 26.1 39.1



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

