

Data File : VW010110.D
Acq On : 24 Apr 2019 11:53
Operator : SY/VA
Sample : VSTD10017
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10017

Quant Time: Apr 24 12:13:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 24 11:53:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	833171	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	776964	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	371560	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	818908	104.01	ug/L	0.00
7) Chloroethane-d5	2.89	69	705166	88.42	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	2328941	106.66	ug/L	0.00
20) 2-Butanone-d5	7.07	46	900552	211.44	ug/L	0.00
24) Chloroform-d	7.65	84	2258421	93.76	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	1311816	87.78	ug/L	0.00
29) Benzene-d6	8.27	84	4414060	103.38	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	1388736	102.11	ug/L	0.00
37) Toluene-d8	10.32	98	4060480	104.24	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	689843	106.98	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	733979	243.56	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	1218879	95.81	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	1388567	99.41	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	1190376	101.833	ug/L	96
3) Chloromethane	2.22	50	995776	93.459	ug/L	99
5) Vinyl chloride	2.37	62	1008185	100.590	ug/L	97
6) Bromomethane	2.77	94	647672	87.501	ug/L	98
8) Chloroethane	2.92	64	636508	88.461	ug/L	98
9) Trichlorofluoromethane	3.25	101	637296	77.235	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	1019354	94.880	ug/L	100
12) 1,1-Dichloroethene	4.03	96	1090671	108.428	ug/L	94
13) Acetone	4.12	43	526638	139.049	ug/L	99
14) Carbon disulfide	4.38	76	3293956	115.520	ug/L	100
15) Methyl Acetate	4.67	43	720660	94.275	ug/L	100
16) Methylene chloride	4.92	84	1085997	71.987	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	1469522	99.822	ug/L	99
18) trans-1,2-Dichloroethene	5.41	96	1150354	101.051	ug/L	97
19) 1,1-Dichloroethane	6.21	63	2175703	95.882	ug/L	100
21) 2-Butanone	7.17	43	1009124	203.476	ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	1288226	104.275	ug/L	99
23) Bromochloromethane	7.51	128	559933	97.321	ug/L	100
25) Chloroform	7.67	83	2162031	93.115	ug/L	99
27) 1,2-Dichloroethane	8.40	62	1595346	89.246	ug/L	99
30) Cyclohexane	7.95	56	2093440	119.217	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	1617368	99.676	ug/L	99
32) Carbon tetrachloride	8.06	117	1654733	103.866	ug/L	100
34) Benzene	8.32	78	4639110	101.356	ug/L	100
35) Trichloroethene	9.09	95	1240116	104.205	ug/L	99
36) Methylcyclohexane	9.33	83	2154888	112.701	ug/L	99
40) 1,2-Dichloropropane	9.37	63	1224720	101.176	ug/L	99
41) Bromodichloromethane	9.64	83	1650371	99.866	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	2036549	109.128	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	2167992	217.463	ug/L	100

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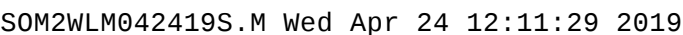
Instrument :
MSVOA_W
ClientSampleId :
VSTD10017

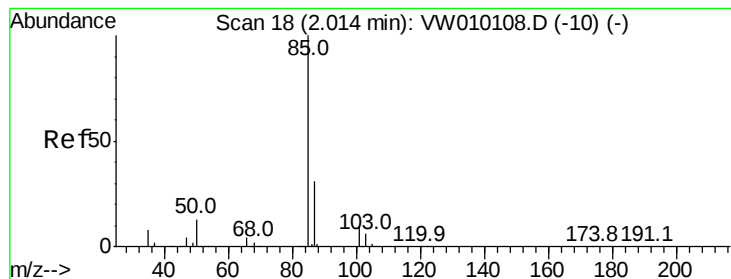
Quant Time: Apr 24 12:13:46 2019
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Quant Title : VOC Analysis
QLast Update : Wed Apr 24 11:53:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	4957764	102.101	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	1789493	108.597	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	925558	98.042	ug/L	98
47) Tetrachloroethene	10.86	164	945059	101.662	ug/L	98
49) 2-Hexanone	10.97	43	1537177	217.038	ug/L	99
50) Dibromochloromethane	11.13	129	1149261	102.559	ug/L	99
51) 1,2-Dibromoethane	11.24	107	932279	100.887	ug/L	98
52) Chlorobenzene	11.66	112	3153703	99.534	ug/L	98
53) Ethylbenzene	11.73	91	5675284	104.570	ug/L	99
54) m,p-Xylene	11.84	106	2127025	107.145	ug/L	100
55) o-xylene	12.17	106	2064089	108.408	ug/L	100
56) Styrene	12.18	104	3554410	106.638	ug/L	100
57) Isopropylbenzene	12.46	105	5494826	108.350	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	1174801	94.597	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	901355	96.983	ug/L	99
62) Bromoform	12.35	173	691659	106.001	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	2389225	106.427	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	2415559	100.132	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	2149927	97.604	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	215626	96.733	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	1677084	101.990	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	1430140	106.167	ug/L	97
69) Naphthalene	15.37	128	3380930	116.942	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	1306393	101.643	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 101.833 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

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Acq: 24 Apr 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

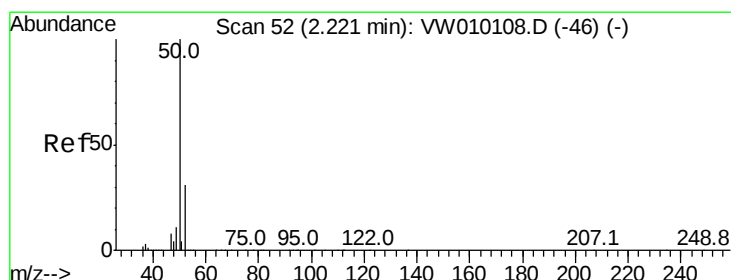
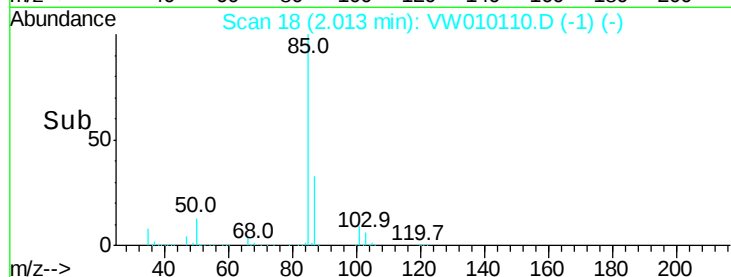
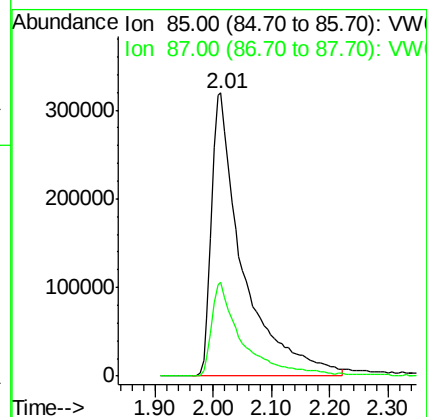
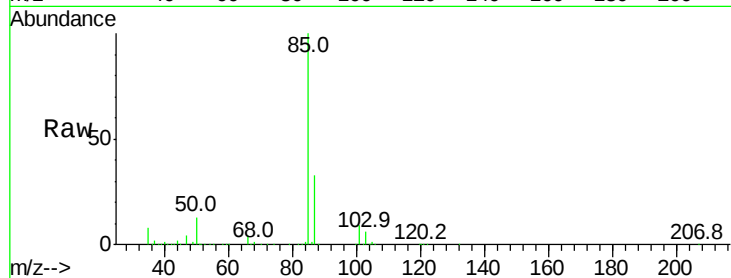
VSTD10017

Tgt Ion: 85 Resp: 1190376

Ion Ratio Lower Upper

85 100

87 32.2 21.1 39.3



#3

Chloromethane

Concen: 93.459 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW010110.D

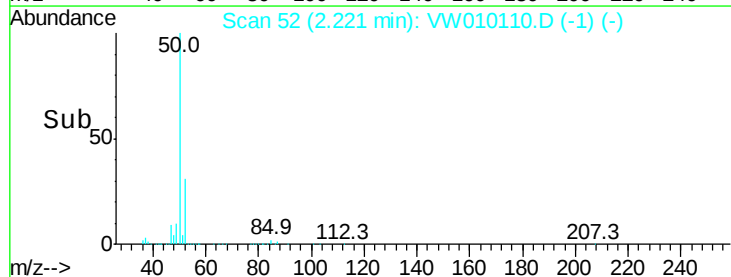
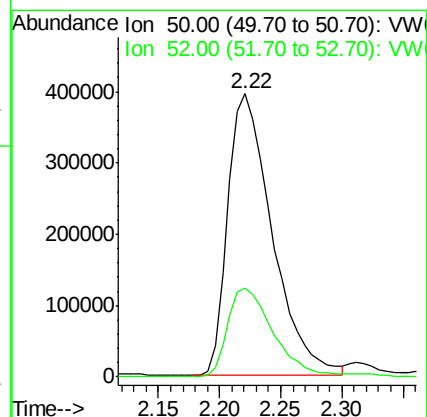
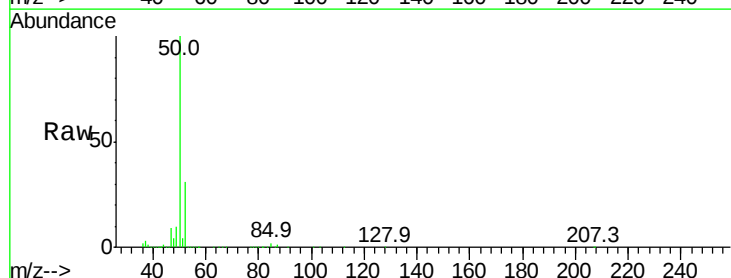
Acq: 24 Apr 2019 11:53

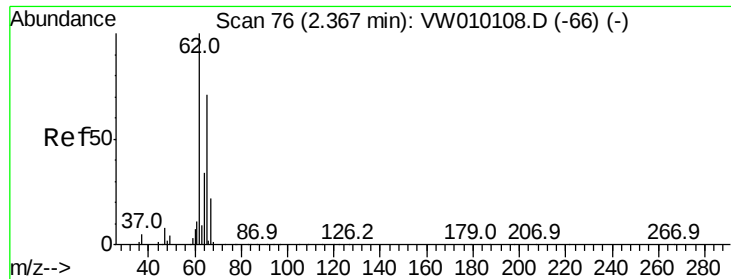
Tgt Ion: 50 Resp: 995776

Ion Ratio Lower Upper

50 100

52 31.5 21.5 39.9





#5

Vinyl chloride

Concen: 100.590 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

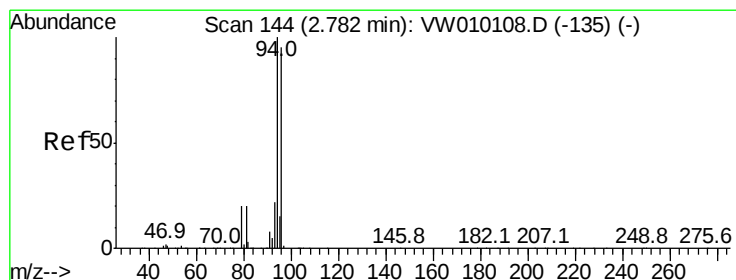
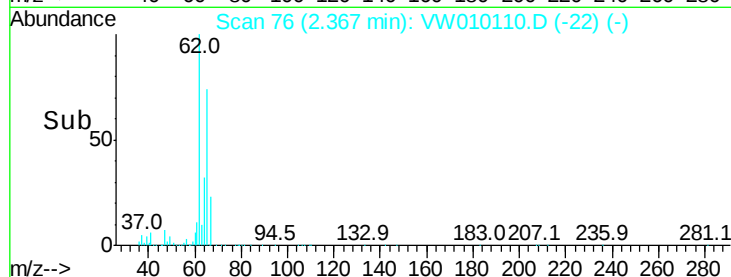
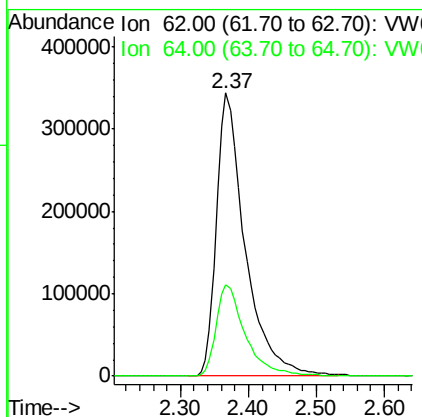
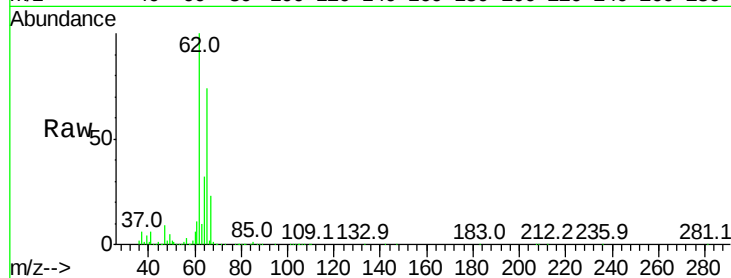
VSTD10017

Tgt Ion: 62 Resp: 1008185

Ion Ratio Lower Upper

62 100

64 32.3 23.7 43.9



#6

Bromomethane

Concen: 87.501 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010110.D

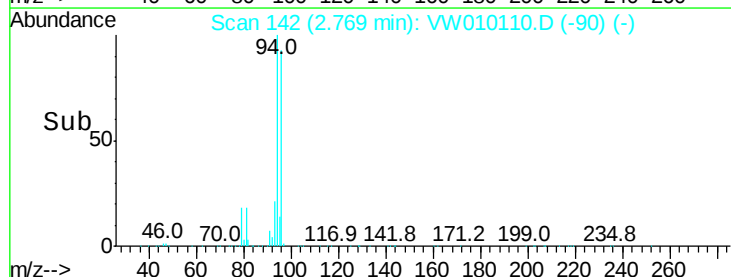
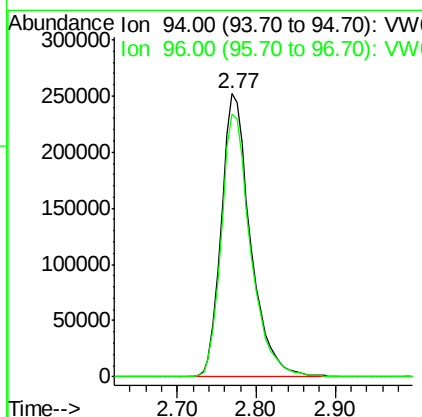
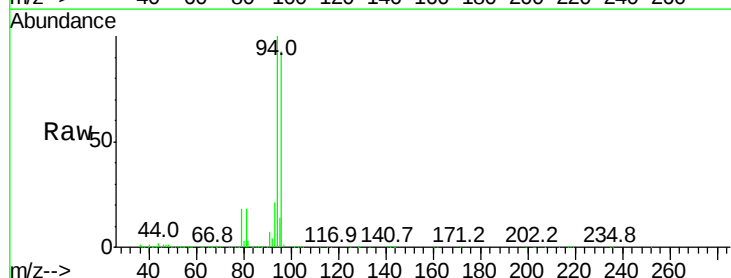
Acq: 24 Apr 2019 11:53

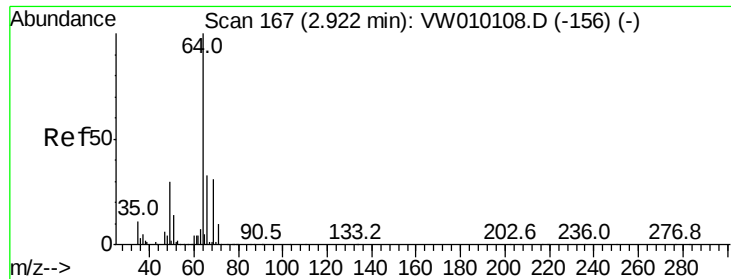
Tgt Ion: 94 Resp: 647672

Ion Ratio Lower Upper

94 100

96 93.4 9.5 180.3





#8

Chloroethane

Concen: 88.461 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

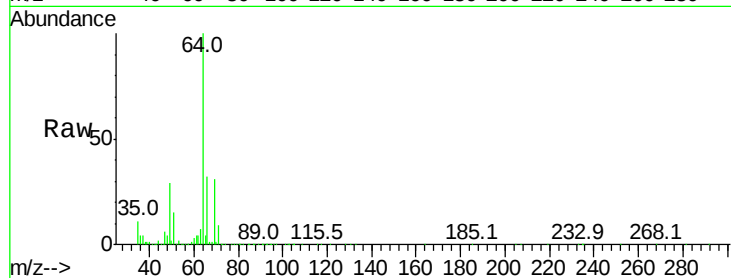
VSTD10017

Tgt Ion: 64 Resp: 636508

Ion Ratio Lower Upper

64 100

66 31.9 23.2 43.2



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.92

200000

150000

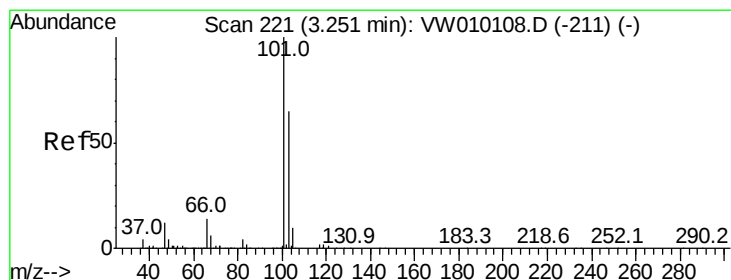
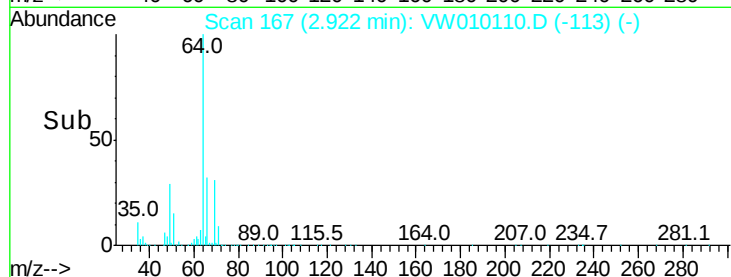
100000

50000

0

Time-->

2.80 2.90 3.00 3.10



#9

Trichlorofluoromethane

Concen: 77.235 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.00 min

Lab File: VW010110.D

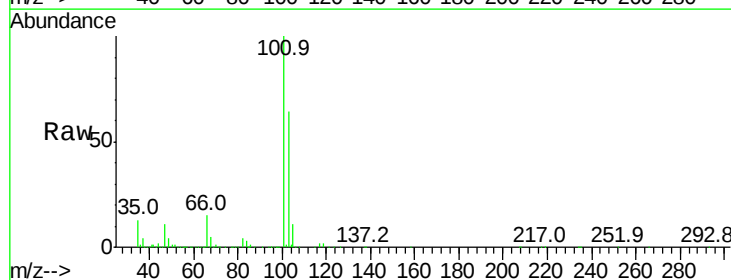
Acq: 24 Apr 2019 11:53

Tgt Ion: 101 Resp: 637296

Ion Ratio Lower Upper

101 100

103 63.9 44.8 83.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

250000

200000

150000

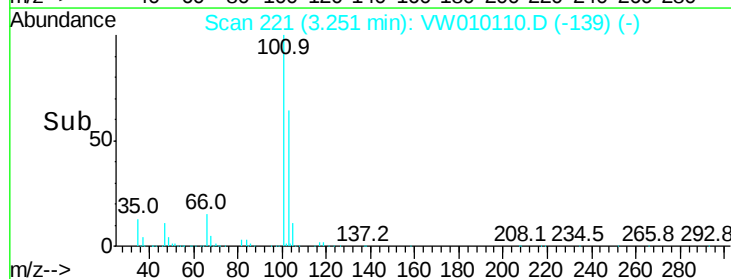
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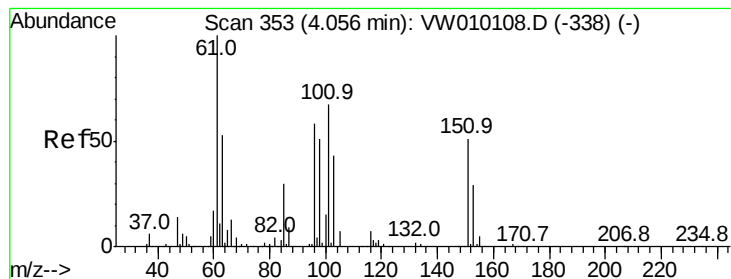
50000

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Time-->

3.10 3.20 3.30 3.40





#11

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

Concen: 94.880 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

Instrument :

MSVOA_W

ClientSampled :

VSTD10017

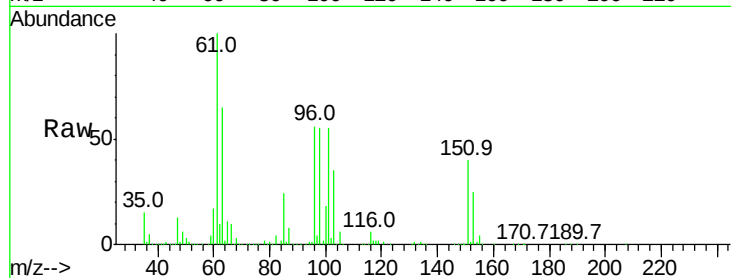
Tgt Ion:101 Resp: 1019354

Ion Ratio Lower Upper

101 100

85 43.0 34.8 52.2

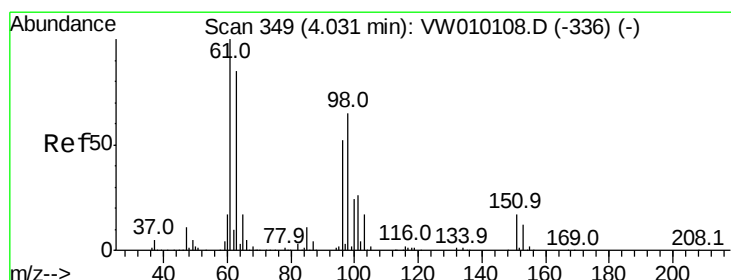
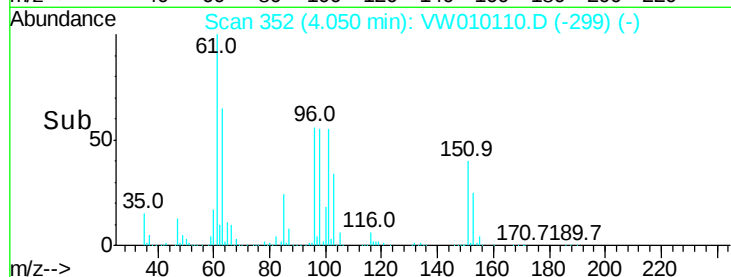
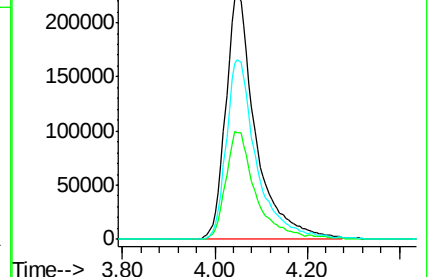
151 74.0 59.4 89.0



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: 108.428 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

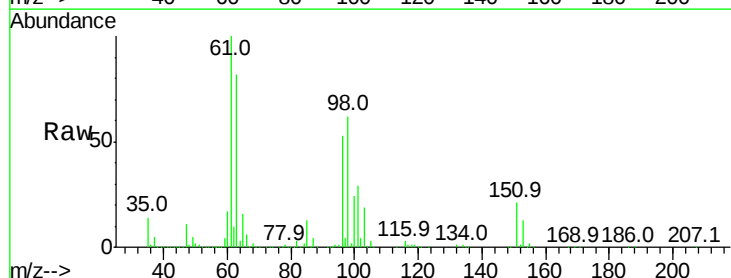
Tgt Ion: 96 Resp: 1090671

Ion Ratio Lower Upper

96 100

61 188.2 135.3 251.3

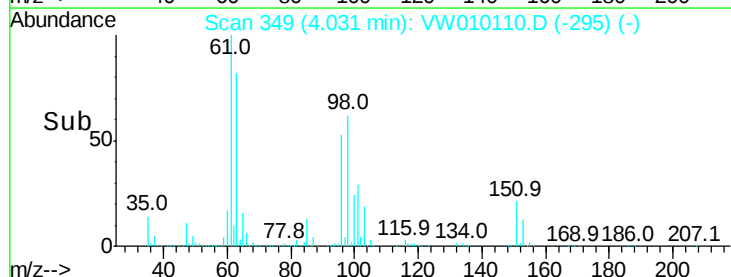
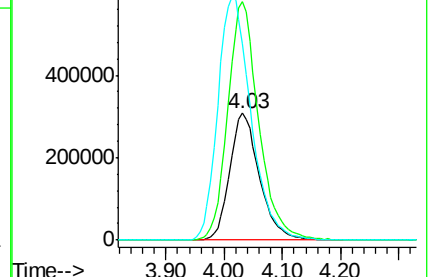
63 154.4 115.8 215.2

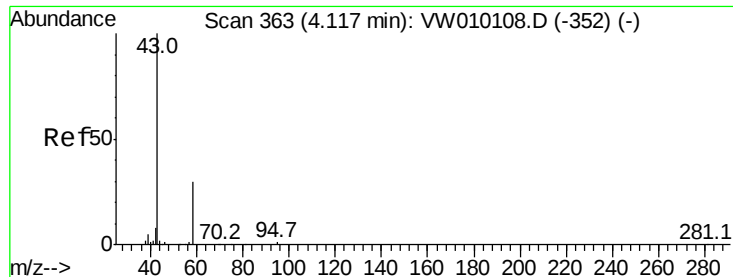


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 139.049 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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MSVOA_W

ClientSampleId :

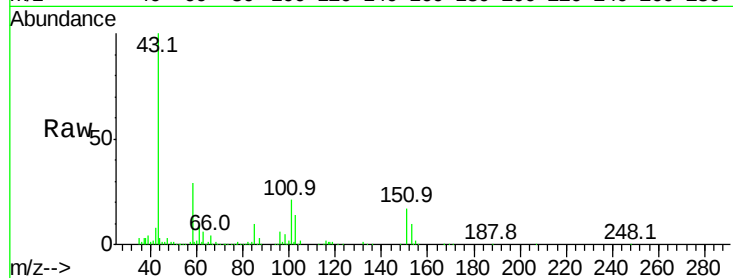
VSTD10017

Tgt Ion: 43 Resp: 526638

Ion Ratio Lower Upper

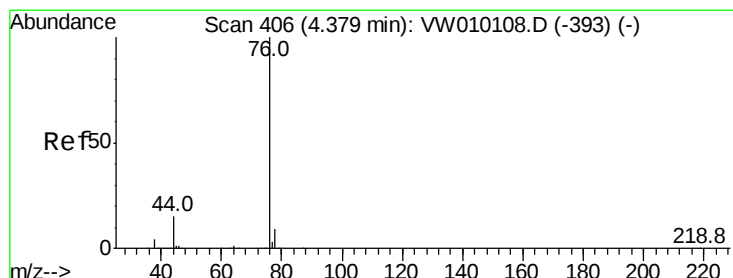
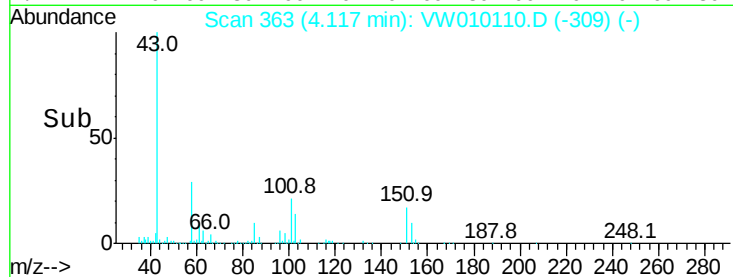
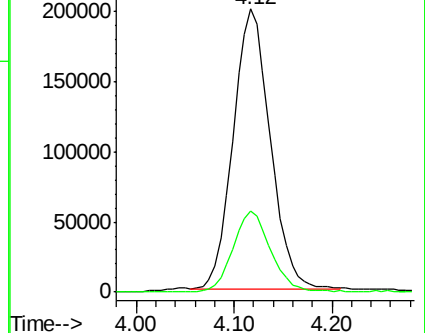
43 100

58 28.3 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 115.520 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW010110.D

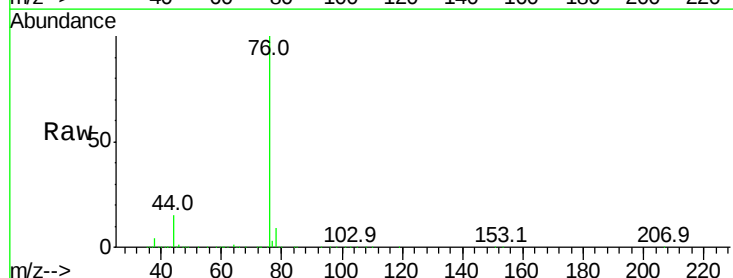
Acq: 24 Apr 2019 11:53

Tgt Ion: 76 Resp: 3293956

Ion Ratio Lower Upper

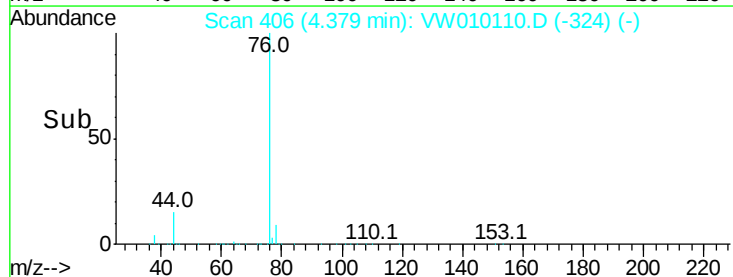
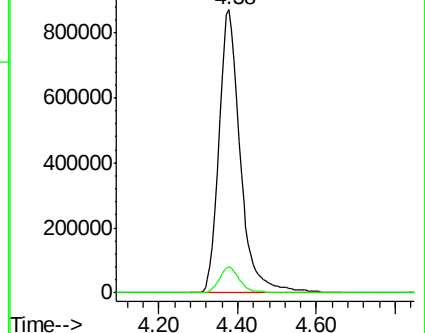
76 100

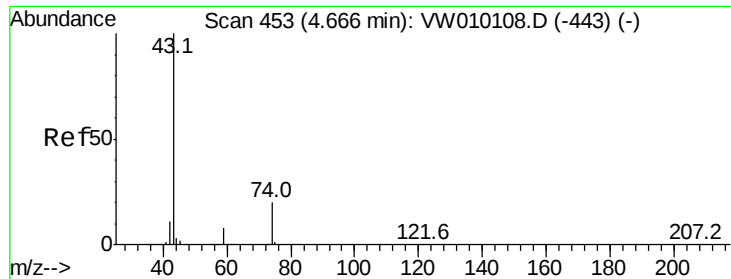
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

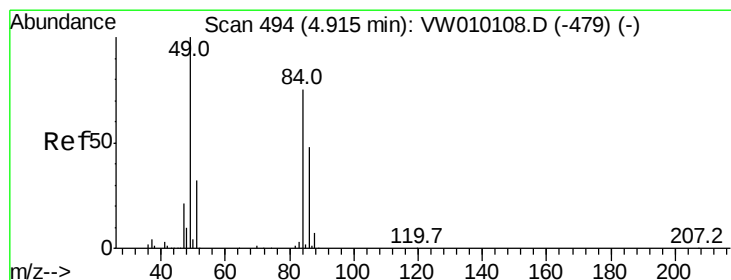
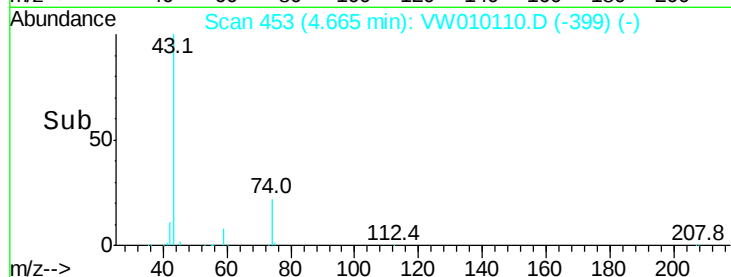
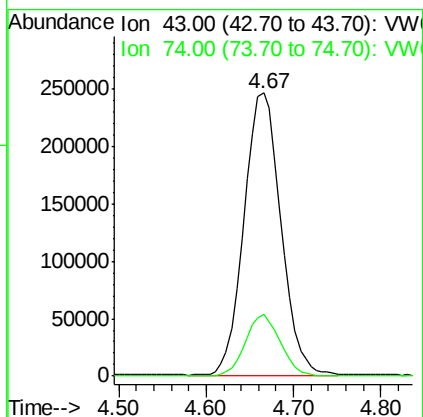
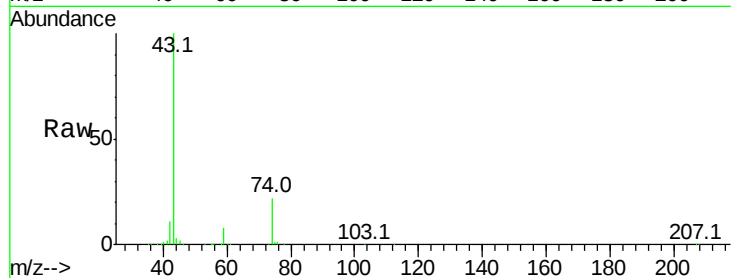




#15
Methyl Acetate
Concen: 94.275 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010110.D
Acq: 24 Apr 2019 11:53

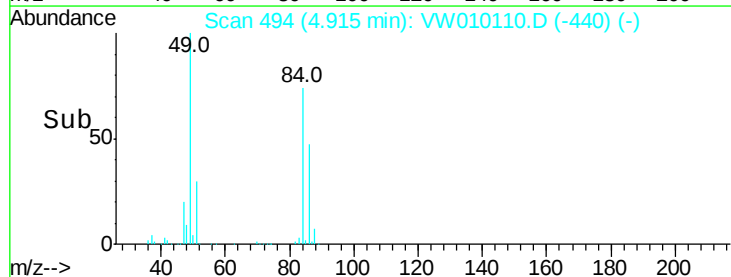
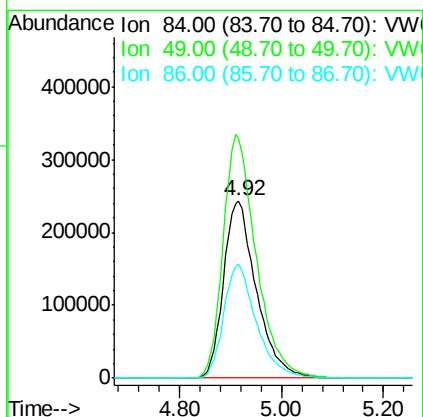
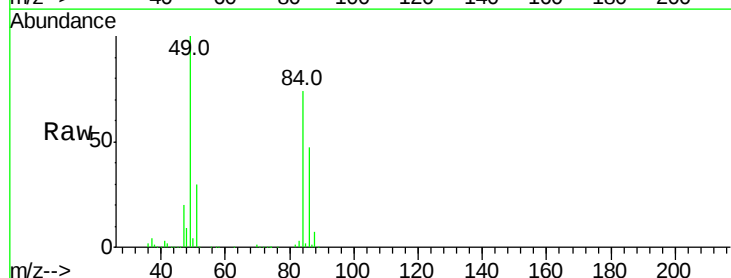
Instrument :
MSVOA_W
ClientSampled :
VSTD10017

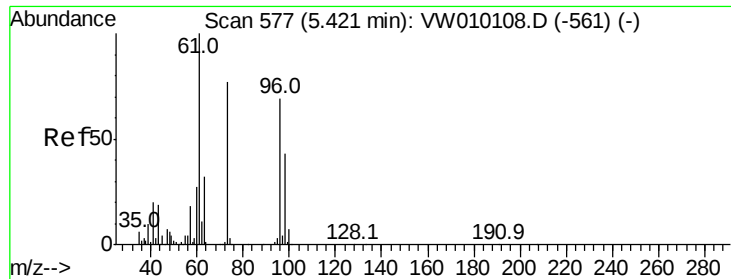
Tgt Ion: 43 Resp: 720660
Ion Ratio Lower Upper
43 100
74 20.9 16.9 25.3



#16
Methylene chloride
Concen: 71.987 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010110.D
Acq: 24 Apr 2019 11:53

Tgt Ion: 84 Resp: 1085997
Ion Ratio Lower Upper
84 100
49 135.3 93.5 173.7
86 64.2 44.9 83.5



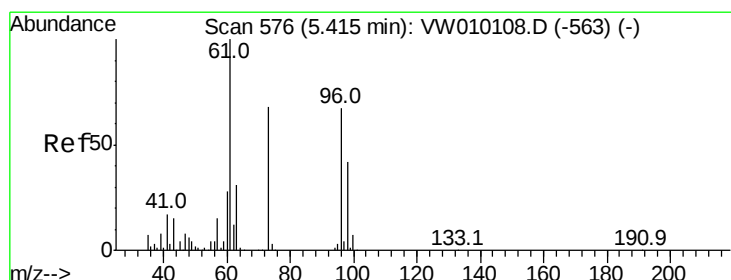
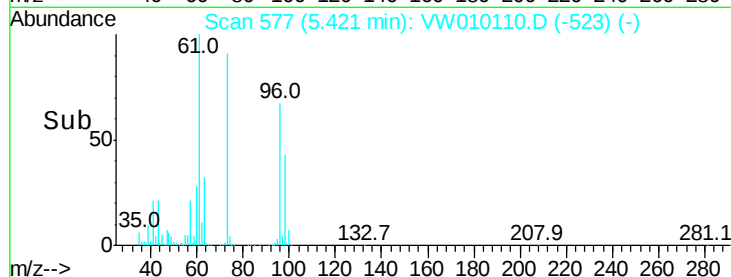
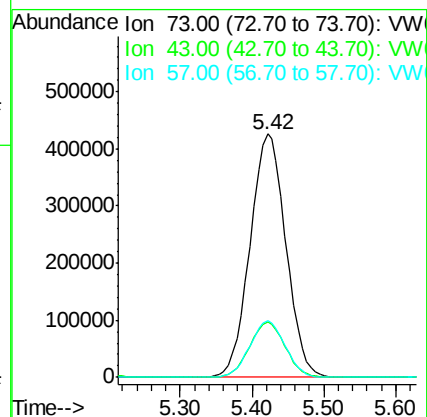
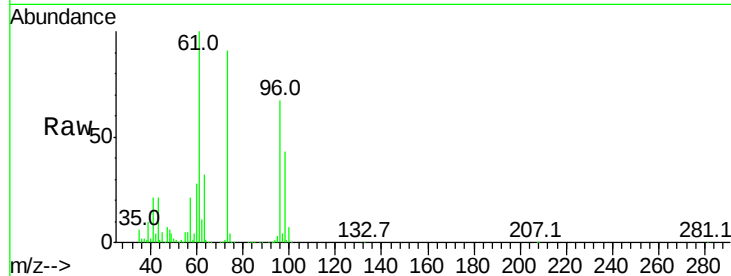


#17
Methyl tert-butyl Ether
Concen: 99.822 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010110.D
Acq: 24 Apr 2019 11:53

Instrument :
MSVOA_W
ClientSampled :
VSTD10017

Tgt Ion: 73 Resp: 1469522

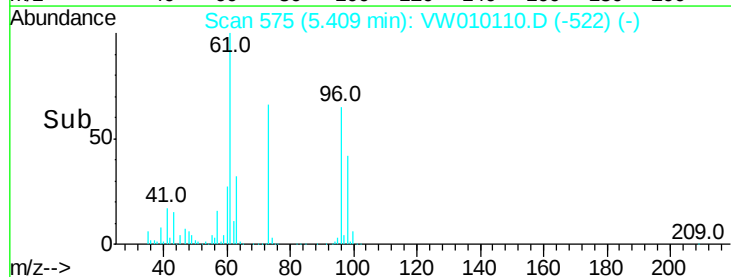
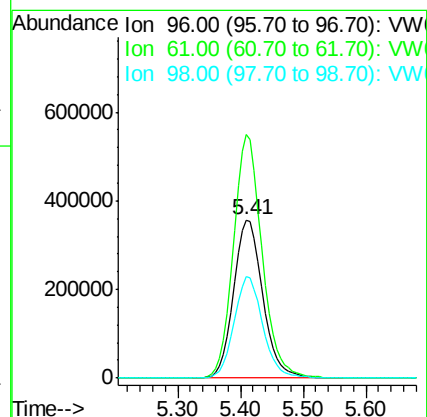
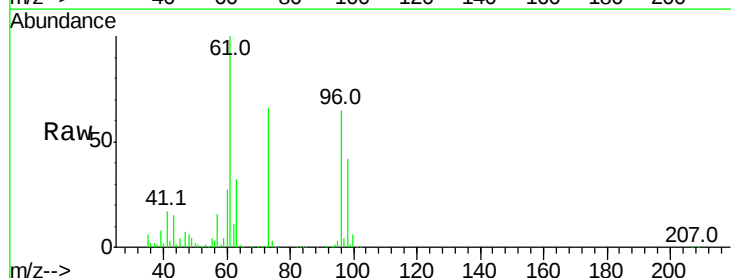
Ion	Ratio	Lower	Upper
73	100		
43	22.5	18.6	27.8
57	23.0	18.2	27.2

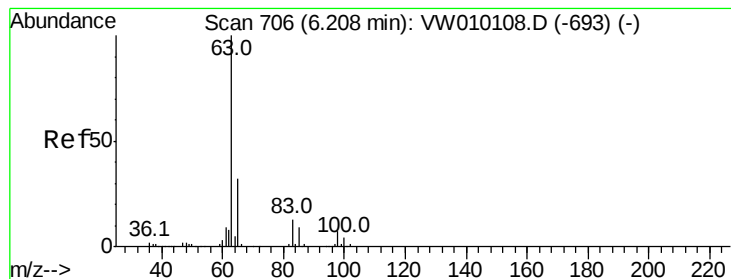


#18
trans-1,2-Dichloroethene
Concen: 101.051 ug/L
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW010110.D
Acq: 24 Apr 2019 11:53

Tgt Ion: 96 Resp: 1150354

Ion	Ratio	Lower	Upper
96	100		
61	154.1	104.7	194.5
98	64.5	43.5	80.7





#19

1,1-Dichloroethane

Concen: 95.882 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD10017

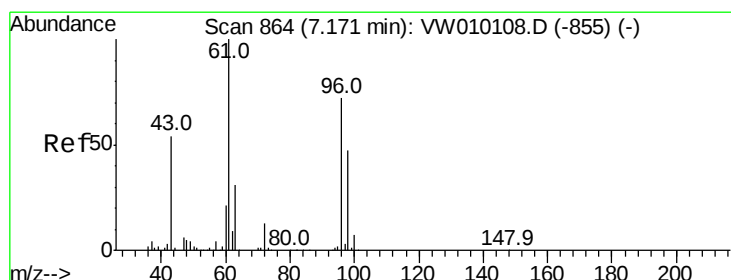
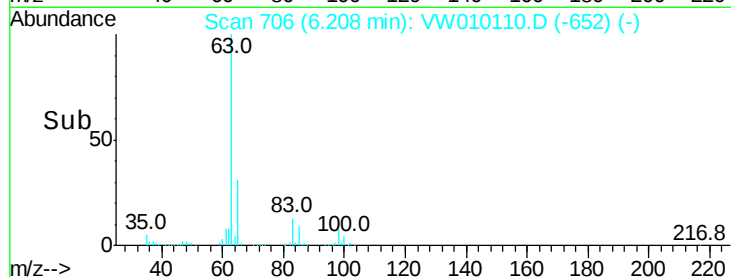
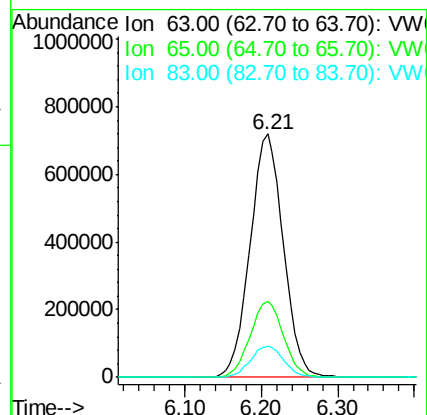
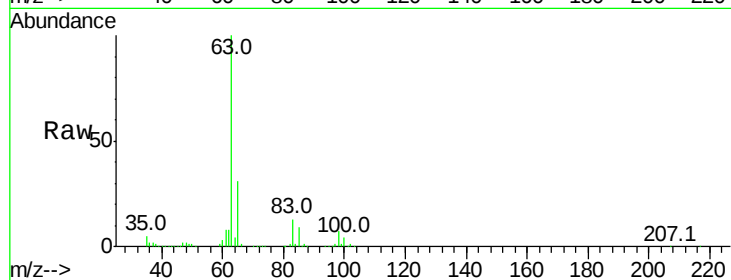
Tgt Ion: 63 Resp: 2175703

Ion Ratio Lower Upper

63 100

65 31.5 22.0 41.0

83 13.0 9.0 16.6



#21

2-Butanone

Concen: 203.476 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010110.D

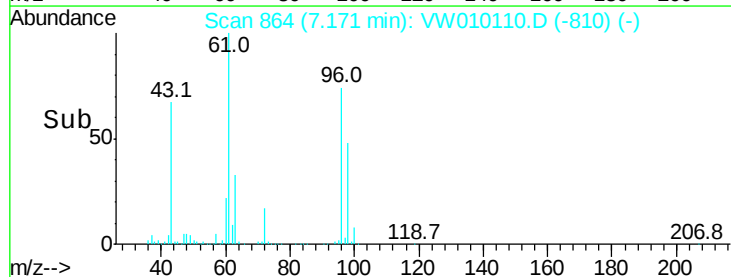
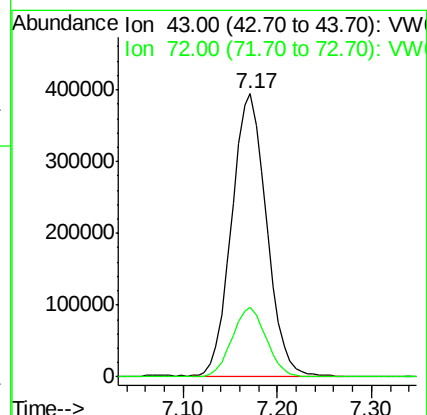
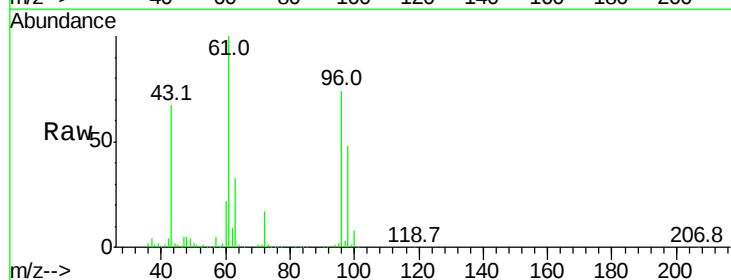
Acq: 24 Apr 2019 11:53

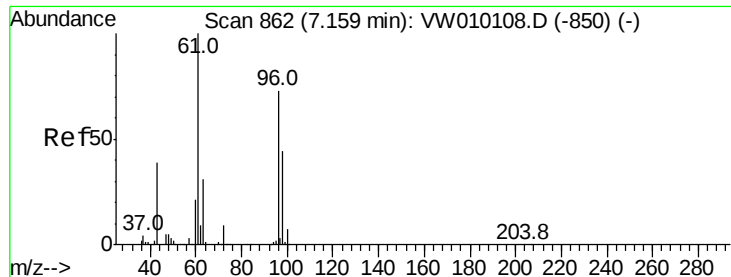
Tgt Ion: 43 Resp: 1009124

Ion Ratio Lower Upper

43 100

72 24.4 12.3 36.8



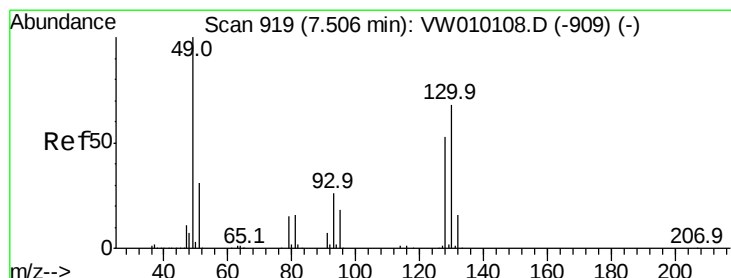
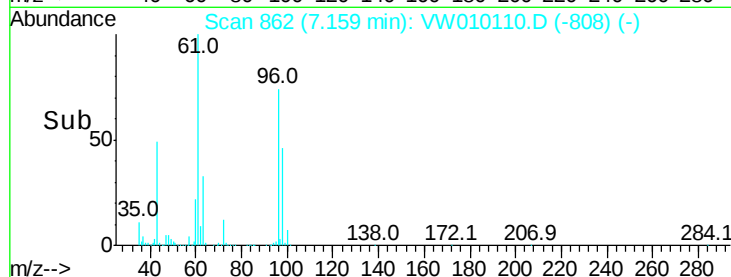
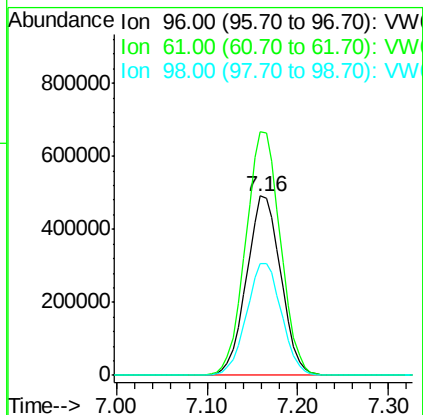
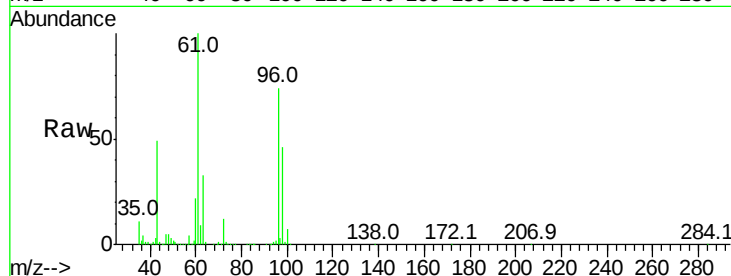


#22

cis-1,2-Dichloroethene
Concen: 104.275 ug/L
RT: 7.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: VW010110.D
Acq: 24 Apr 2019 11:53

Instrument :
MSVOA_W
ClientSampleId :
VSTD10017

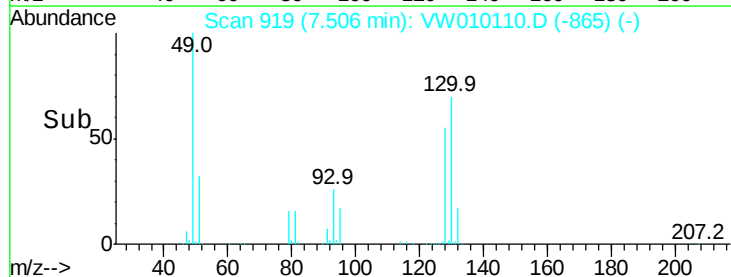
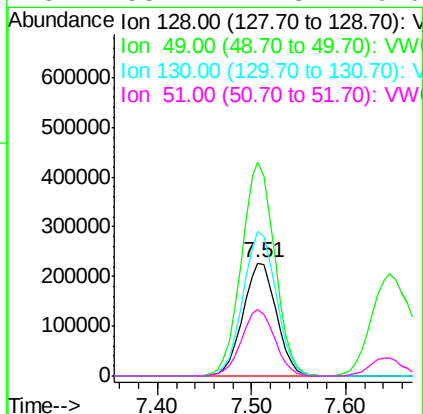
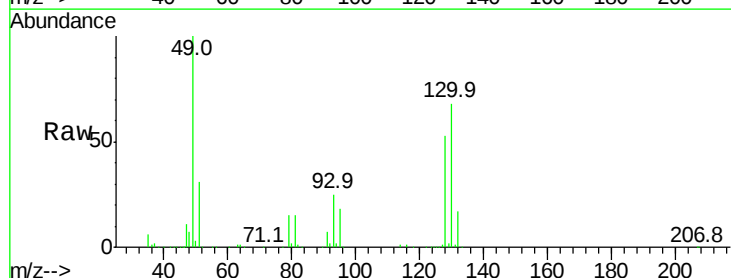
Tgt Ion: 96 Resp: 1288226
Ion Ratio Lower Upper
96 100
61 135.6 96.0 178.4
98 62.0 42.6 79.2

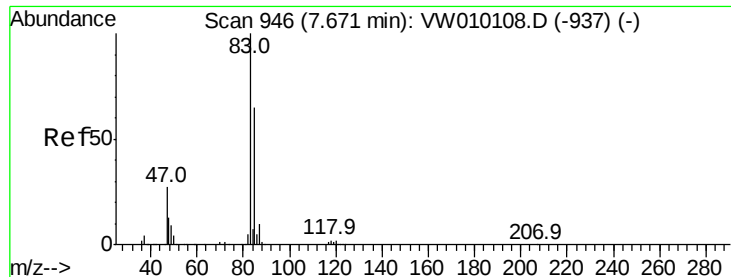


#23

Bromochloromethane
Concen: 97.321 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010110.D
Acq: 24 Apr 2019 11:53

Tgt Ion: 128 Resp: 559933
Ion Ratio Lower Upper
128 100
49 188.6 132.2 245.4
130 128.0 90.2 167.6
51 58.7 47.3 70.9





#25

Chloroform

Concen: 93.115 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

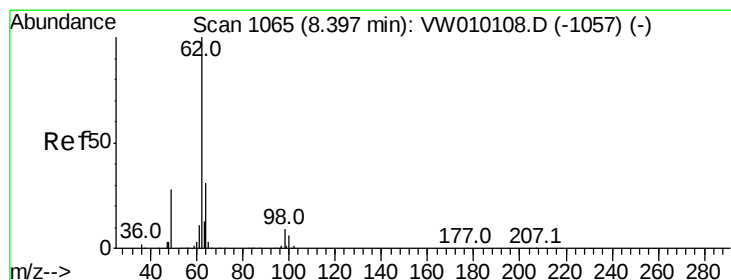
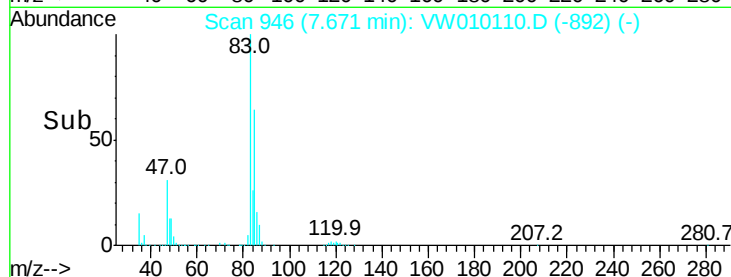
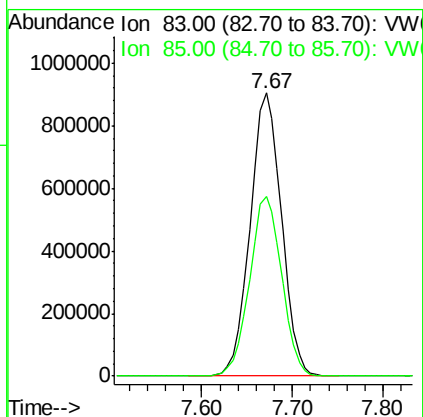
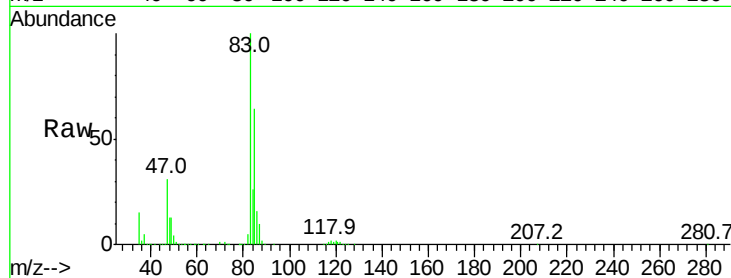
VSTD10017

Tgt Ion: 83 Resp: 2162031

Ion Ratio Lower Upper

83 100

85 65.3 45.4 84.2



#27

1,2-Dichloroethane

Concen: 89.246 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW010110.D

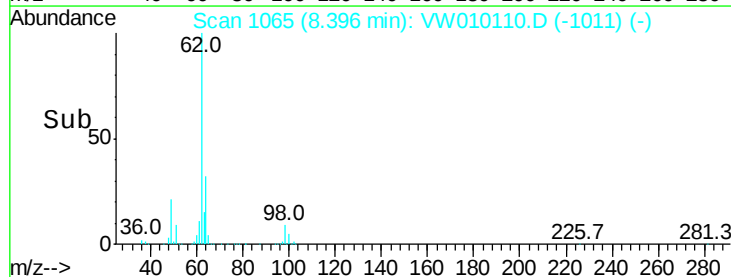
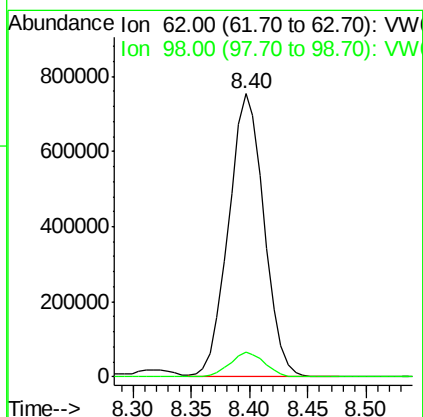
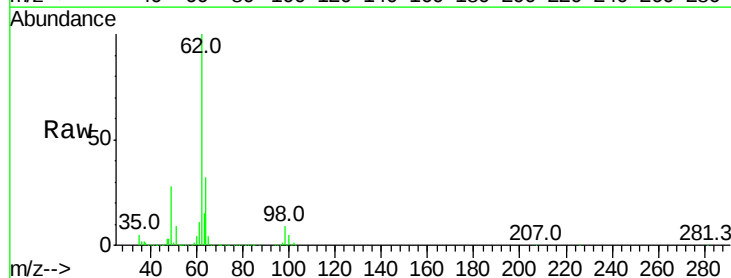
Acq: 24 Apr 2019 11:53

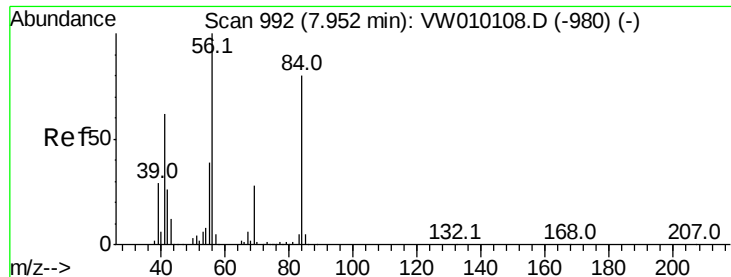
Tgt Ion: 62 Resp: 1595346

Ion Ratio Lower Upper

62 100

98 8.7 6.8 10.2

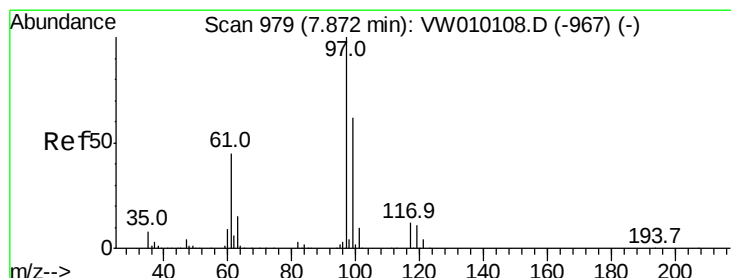
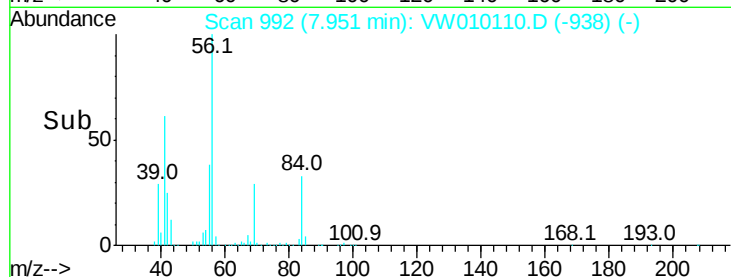
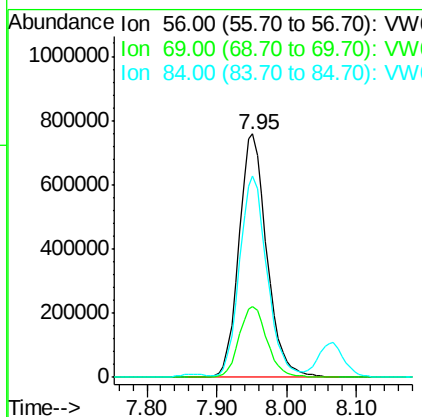
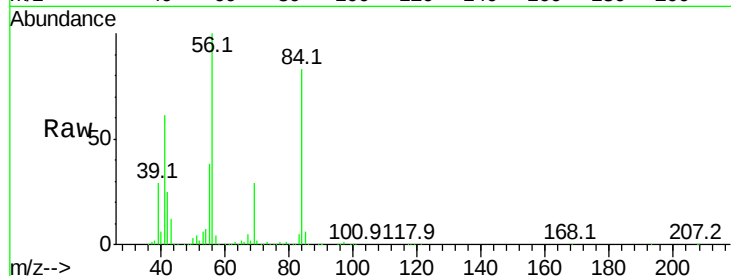




#30
Cyclohexane
Concen: 119.217 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010110.D
Acq: 24 Apr 2019 11:53

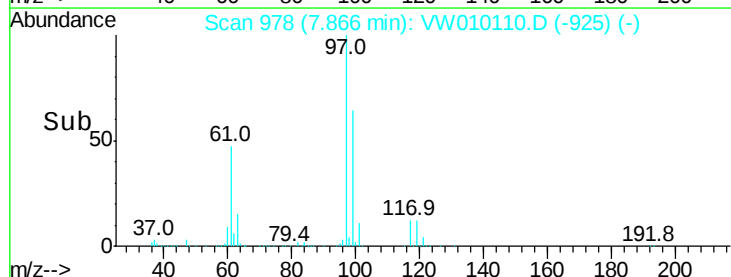
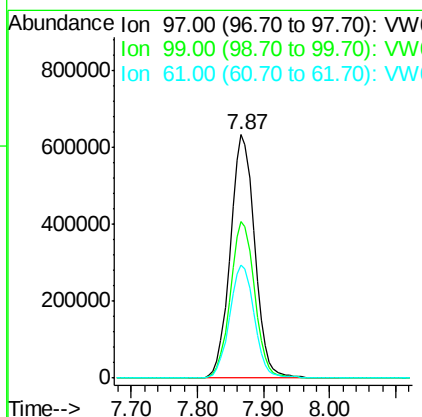
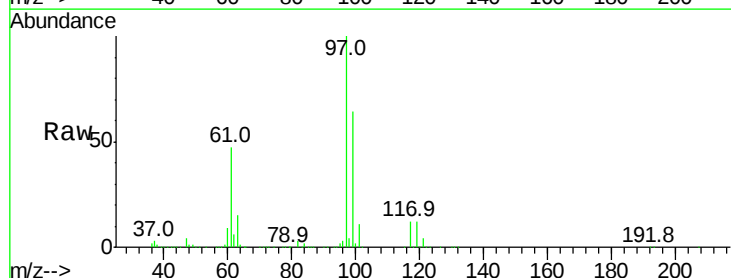
Instrument :
MSVOA_W
ClientSampleId :
VSTD10017

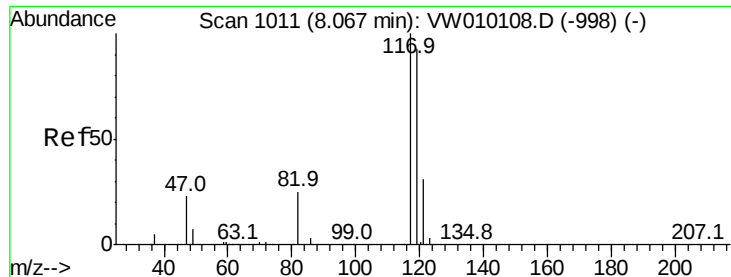
Tgt Ion: 56 Resp: 2093440
Ion Ratio Lower Upper
56 100
69 29.5 23.3 34.9
84 82.2 64.8 97.2



#31
1,1,1-Trichloroethane
Concen: 99.676 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW010110.D
Acq: 24 Apr 2019 11:53

Tgt Ion: 97 Resp: 1617368
Ion Ratio Lower Upper
97 100
99 64.3 50.8 76.2
61 47.3 37.7 56.5





#32

Carbon tetrachloride

Concen: 103.866 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

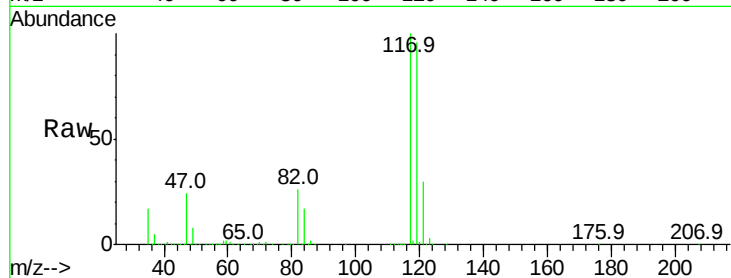
VSTD10017

Tgt Ion:117 Resp: 1654733

Ion Ratio Lower Upper

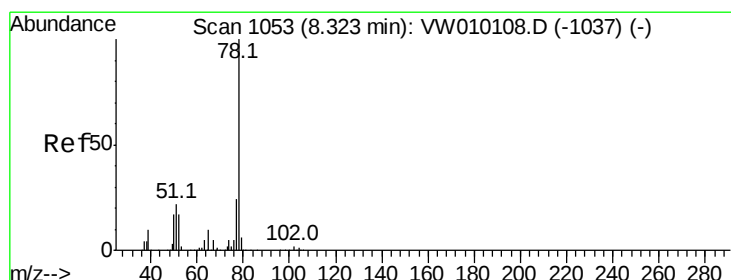
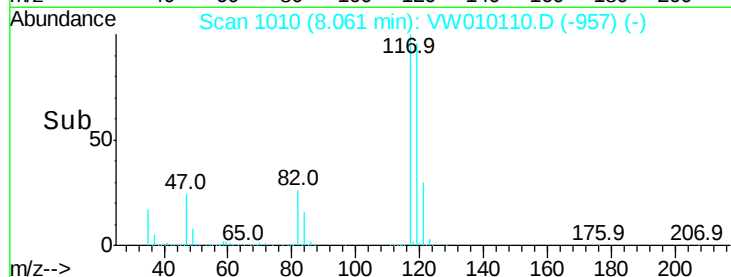
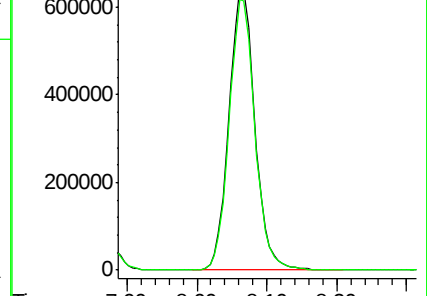
117 100

119 95.4 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 101.356 ug/L

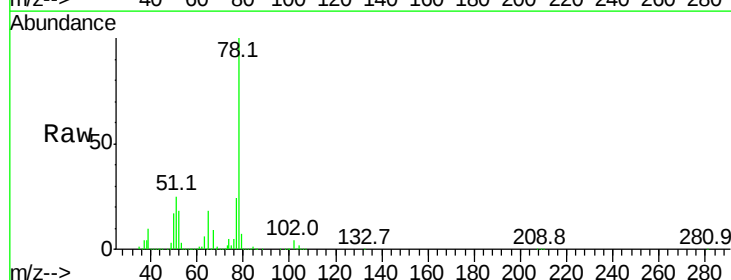
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW010110.D

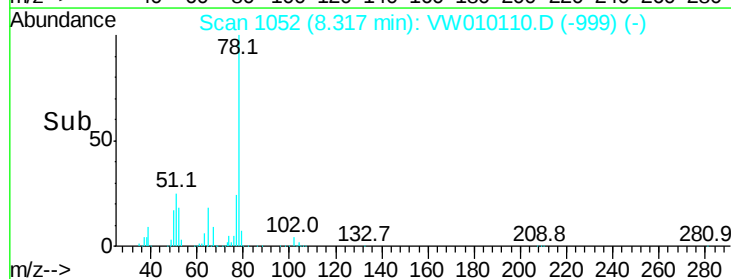
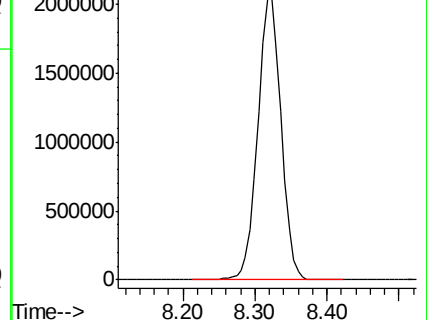
Acq: 24 Apr 2019 11:53

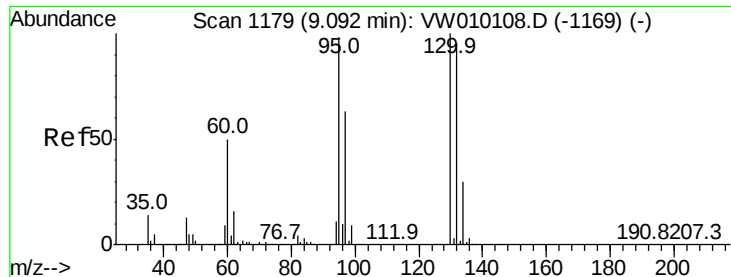
Tgt Ion: 78 Resp: 4639110



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

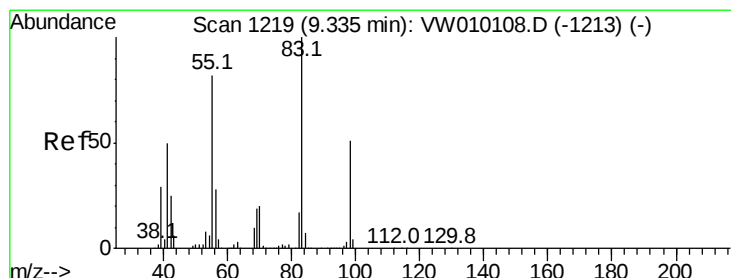
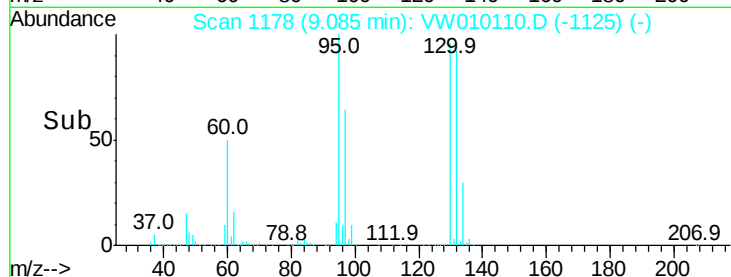
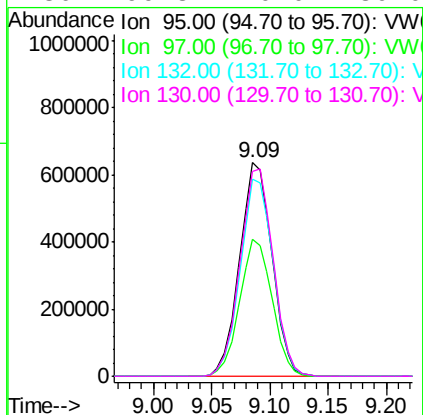
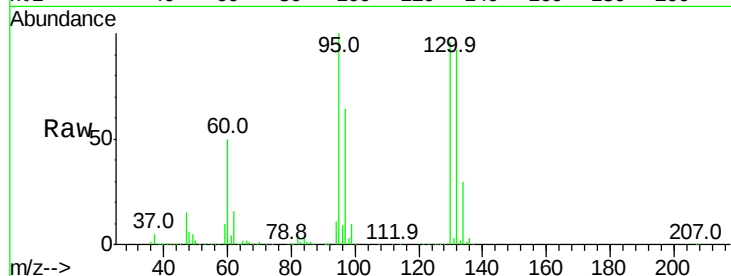




#35
 Trichloroethene
 Concen: 104.205 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW010110.D
 Acq: 24 Apr 2019 11:53

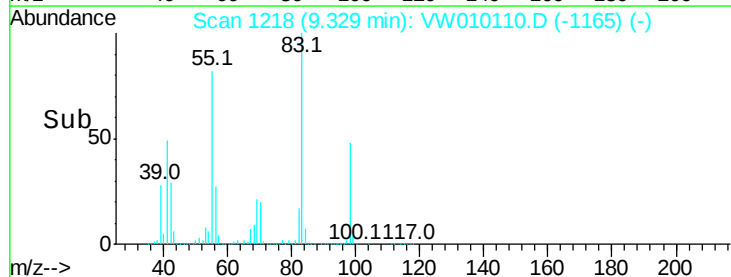
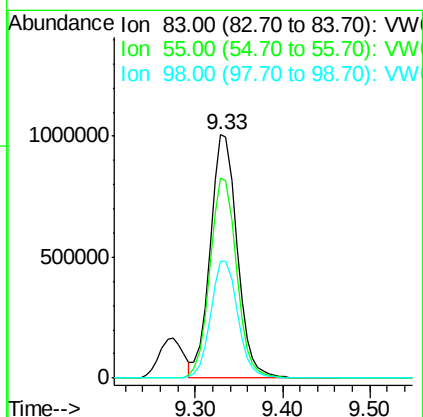
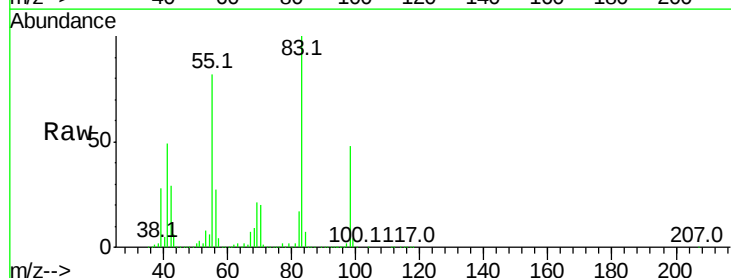
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10017

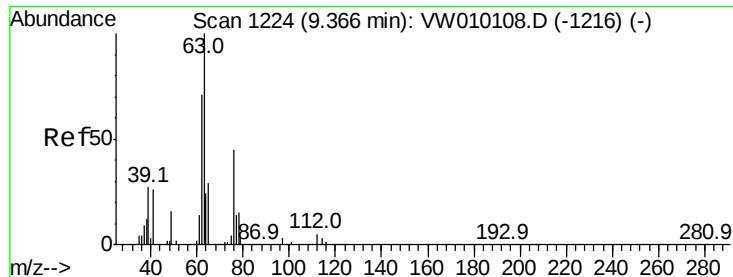
Tgt Ion: 95 Resp: 1240116
 Ion Ratio Lower Upper
 95 100
 97 64.3 45.1 83.9
 132 94.1 67.2 124.8
 130 99.3 70.0 130.0



#36
 Methylcyclohexane
 Concen: 112.701 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW010110.D
 Acq: 24 Apr 2019 11:53

Tgt Ion: 83 Resp: 2154888
 Ion Ratio Lower Upper
 83 100
 55 81.8 66.6 100.0
 98 48.3 39.1 58.7





#40

1,2-Dichloropropane

Concen: 101.176 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

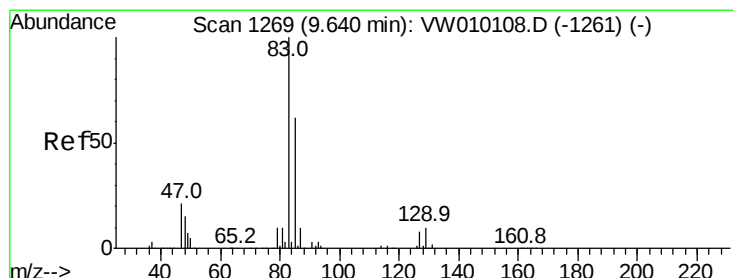
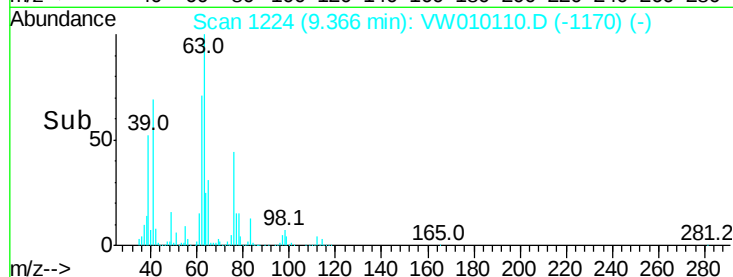
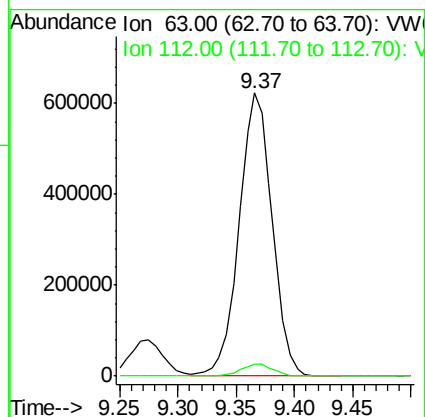
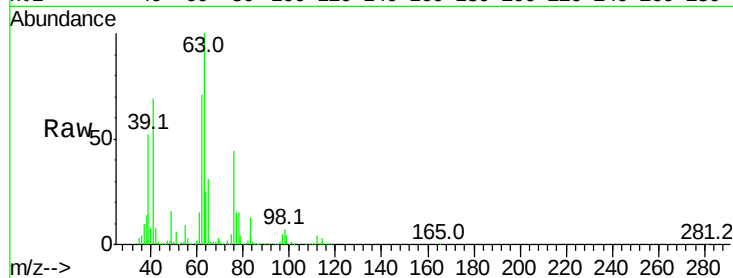
VSTD10017

Tgt Ion: 63 Resp: 1224720

Ion Ratio Lower Upper

63 100

112 4.2 3.5 5.3



#41

Bromodichloromethane

Concen: 99.866 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

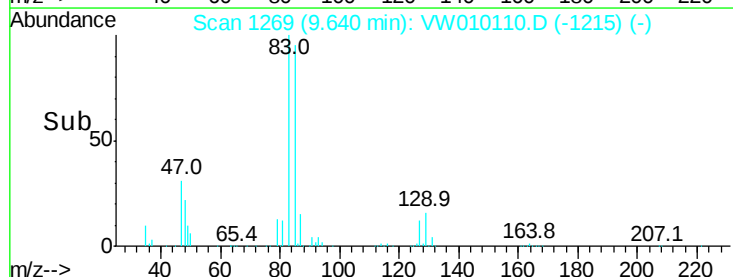
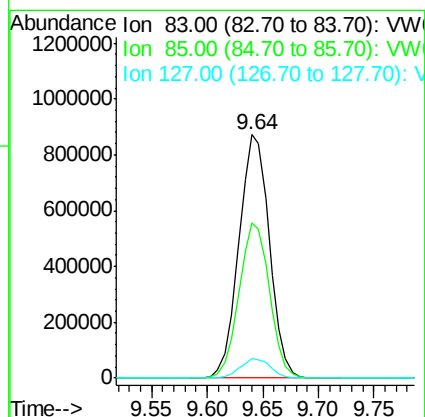
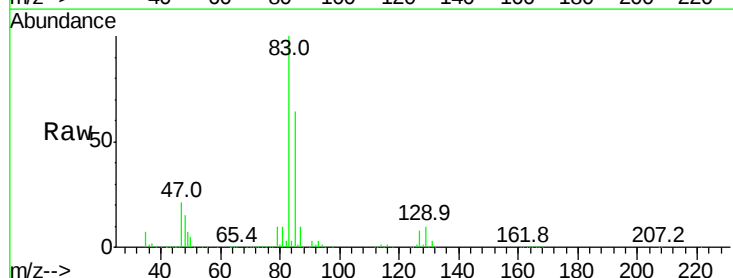
Tgt Ion: 83 Resp: 1650371

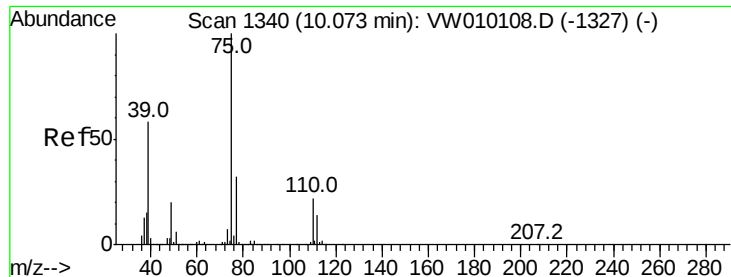
Ion Ratio Lower Upper

83 100

85 64.0 43.1 80.1

127 8.1 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 109.128 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

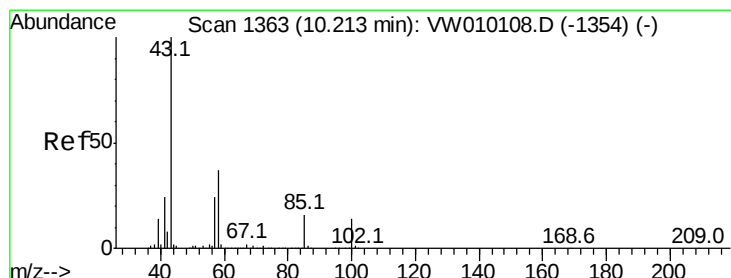
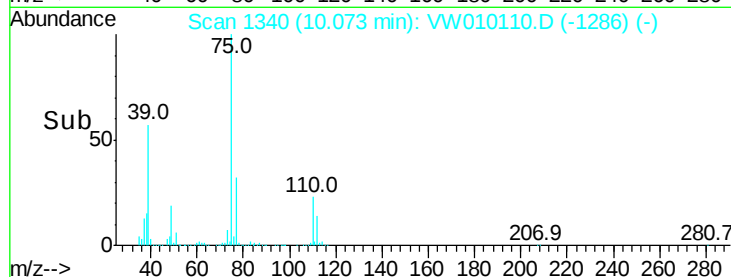
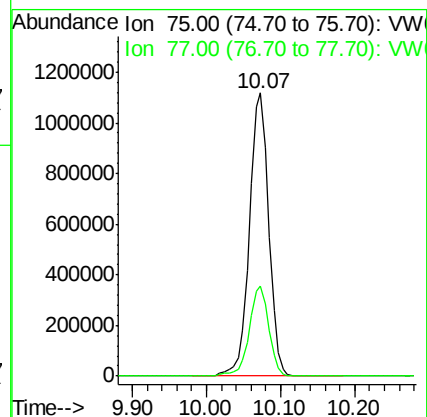
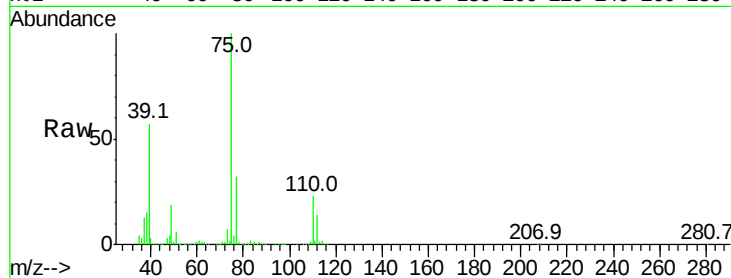
VSTD10017

Tgt Ion: 75 Resp: 2036549

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.7



#43

4-Methyl-2-pentanone

Concen: 217.463 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

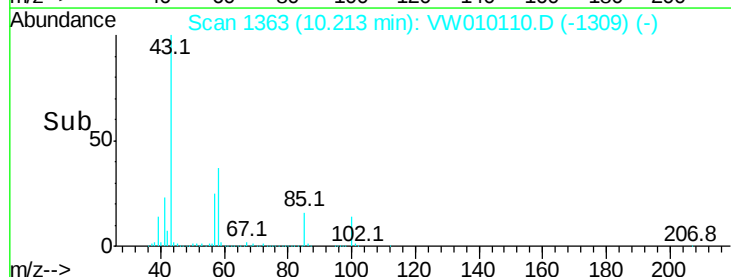
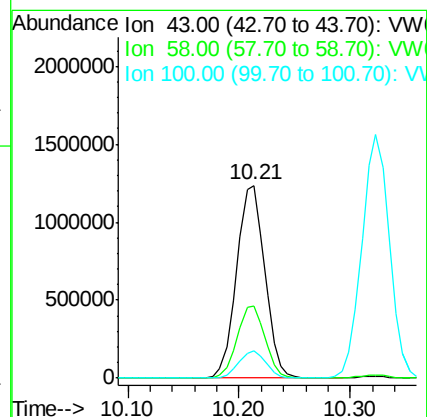
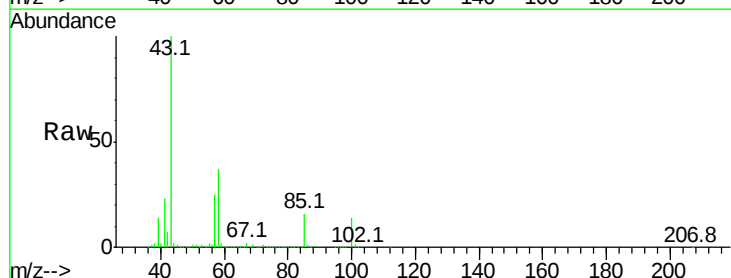
Tgt Ion: 43 Resp: 2167992

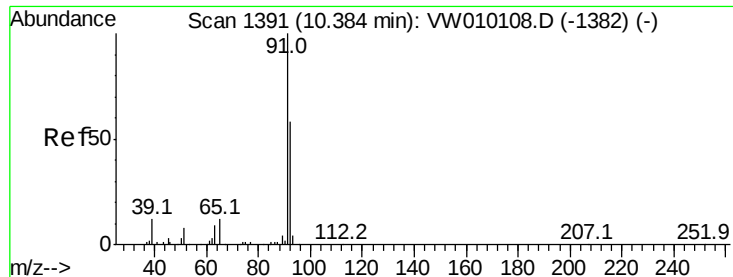
Ion Ratio Lower Upper

43 100

58 37.0 29.4 44.0

100 13.9 11.2 16.8





#44

Toluene

Concen: 102.101 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

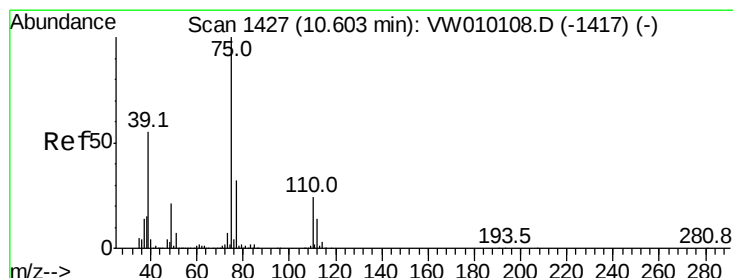
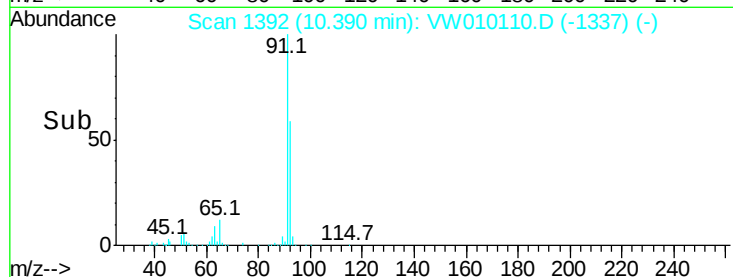
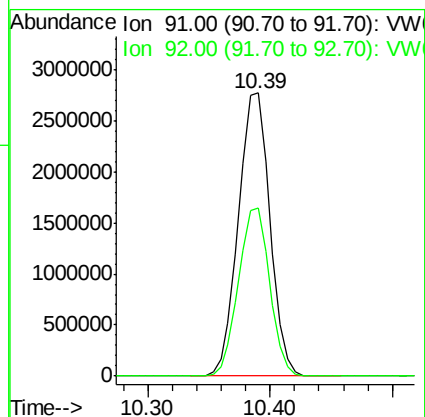
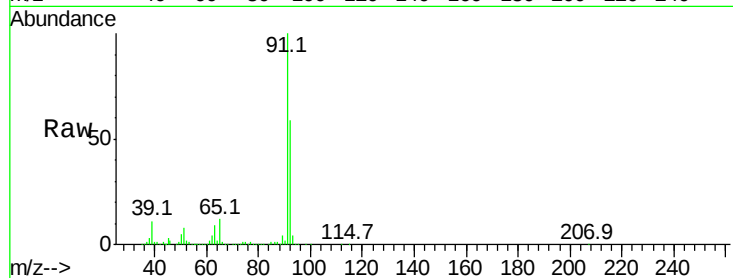
VSTD10017

Tgt Ion: 91 Resp: 4957764

Ion Ratio Lower Upper

91 100

92 59.3 40.3 74.9



#45

trans-1,3-Dichloropropene

Concen: 108.597 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010110.D

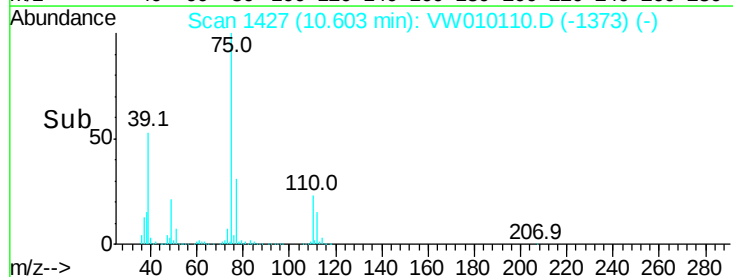
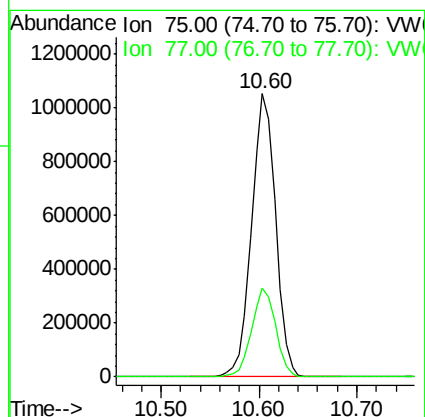
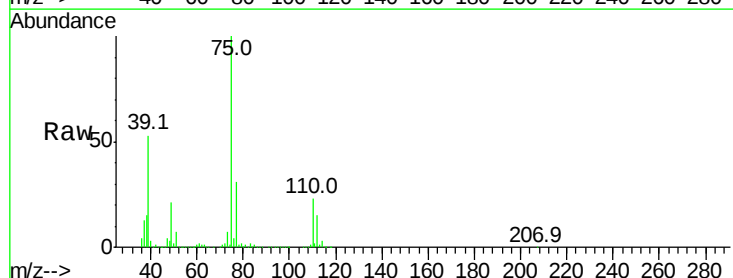
Acq: 24 Apr 2019 11:53

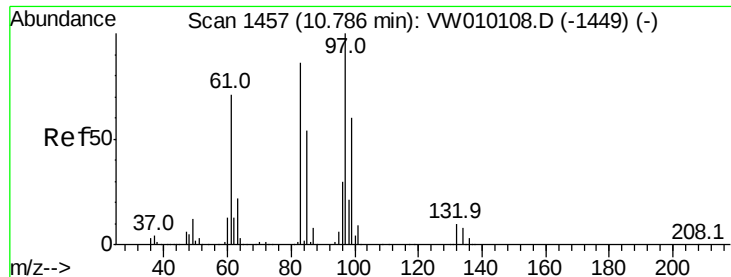
Tgt Ion: 75 Resp: 1789493

Ion Ratio Lower Upper

75 100

77 31.4 22.2 41.2





#46

1,1,2-Trichloroethane

Concen: 98.042 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD10017

Tgt Ion: 97 Resp: 925558

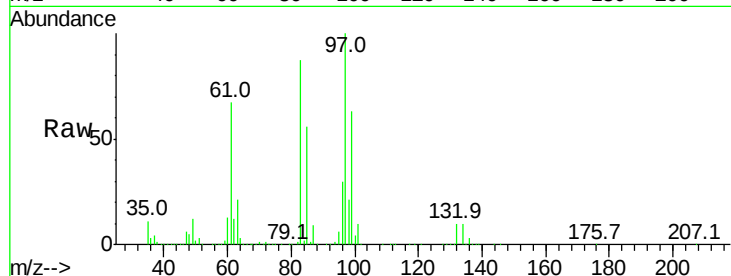
Ion Ratio Lower Upper

97 100

83 86.6 60.0 111.4

85 56.0 38.0 70.6

99 62.8 42.1 78.3



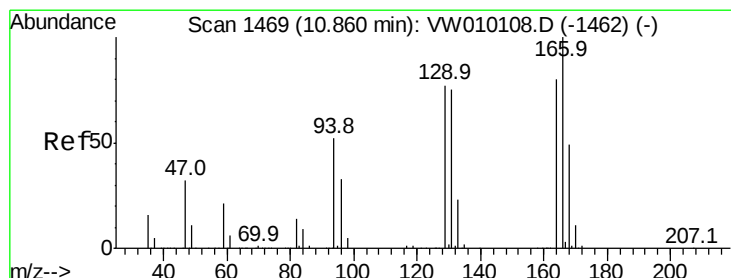
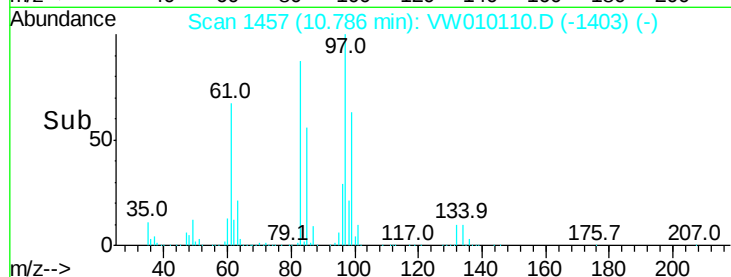
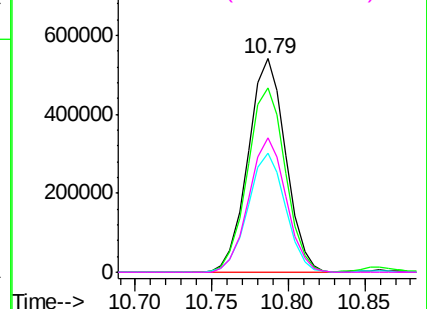
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 101.662 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

Tgt Ion: 164 Resp: 945059

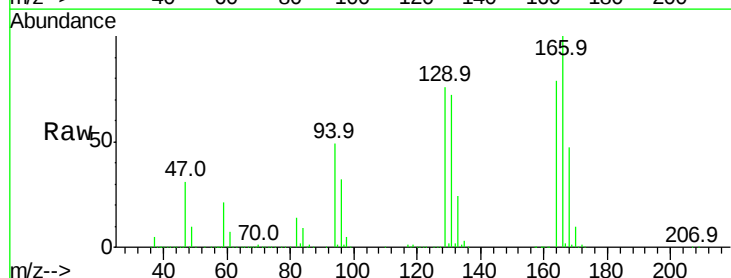
Ion Ratio Lower Upper

164 100

129 96.8 67.1 124.7

131 91.6 65.5 121.7

166 127.3 87.4 162.2



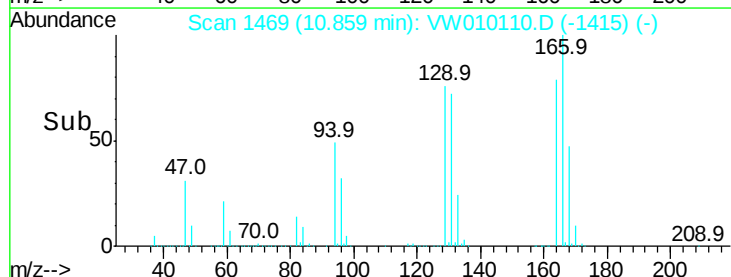
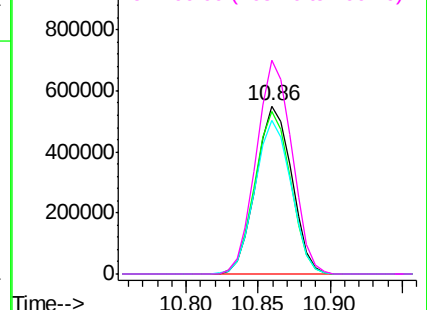
Abundance

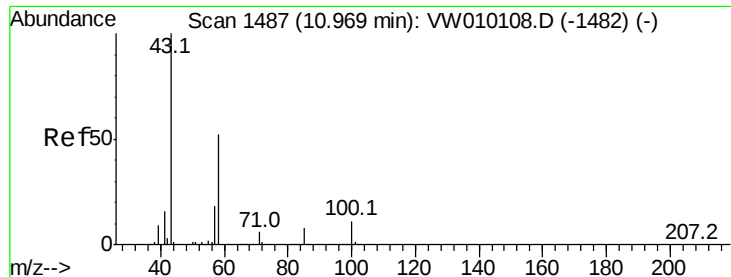
Ion 164.00 (163.70 to 164.70): V

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



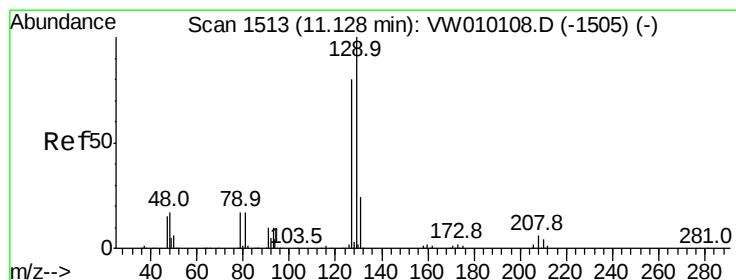
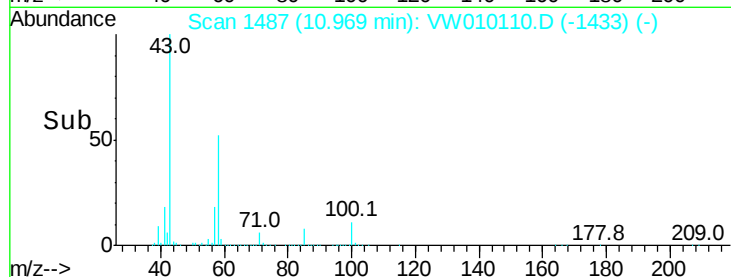
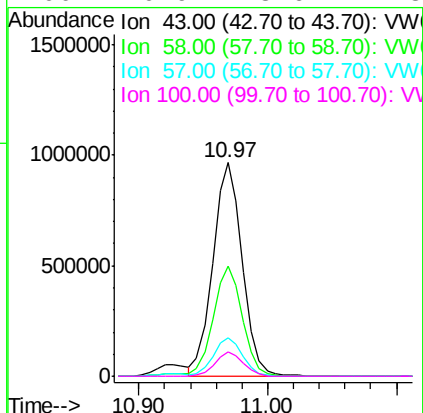
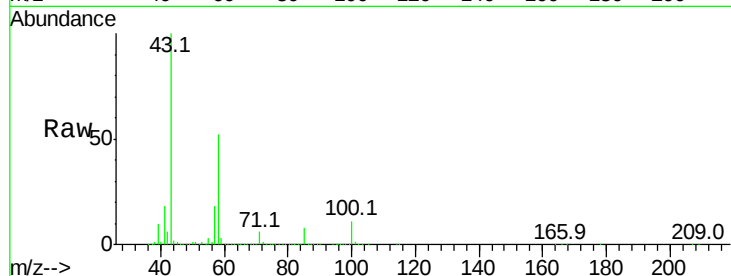


#49
2-Hexanone
Concen: 217.038 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010110.D
Acq: 24 Apr 2019 11:53

Instrument :
MSVOA_W
ClientSampleId :
VSTD10017

Tgt Ion: 43 Resp: 1537177

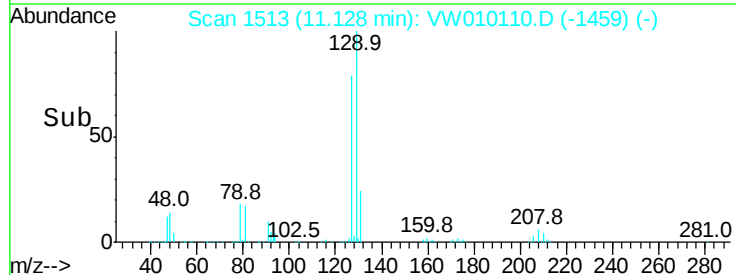
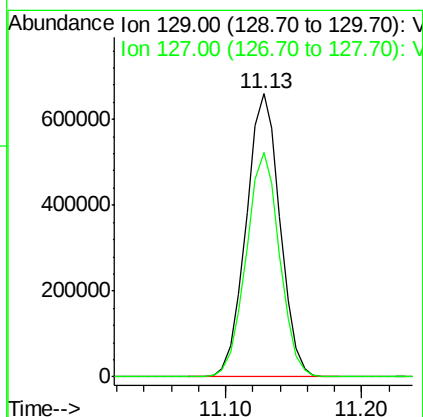
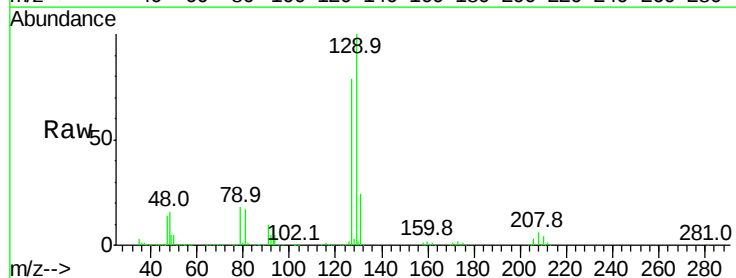
Ion	Ratio	Lower	Upper
43	100		
58	51.2	39.9	59.9
57	17.9	14.3	21.5
100	10.9	8.6	12.8

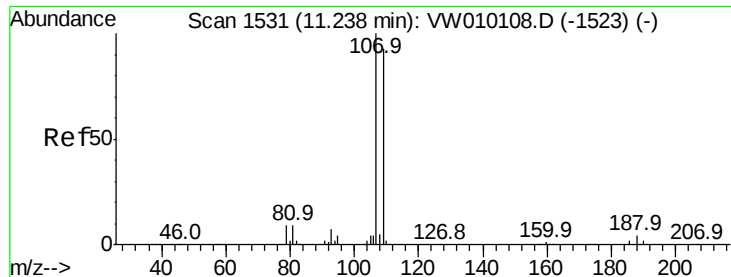


#50
Dibromochloromethane
Concen: 102.559 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010110.D
Acq: 24 Apr 2019 11:53

Tgt Ion: 129 Resp: 1149261

Ion	Ratio	Lower	Upper
129	100		
127	79.1	56.1	104.1

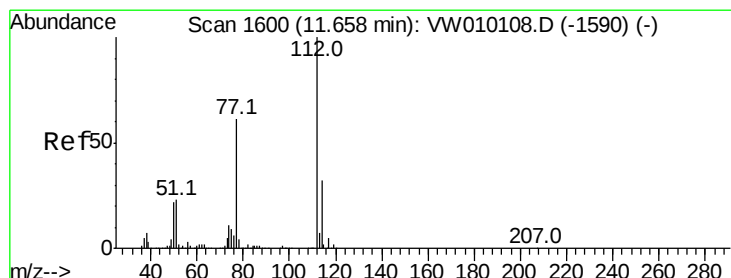
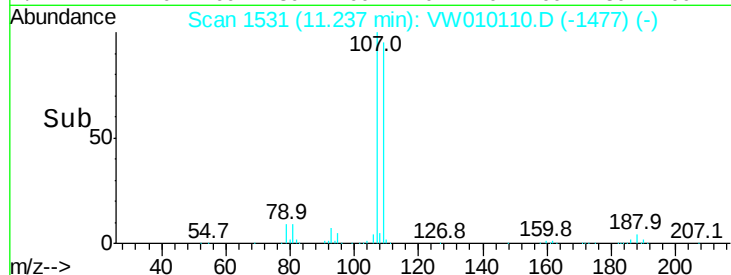
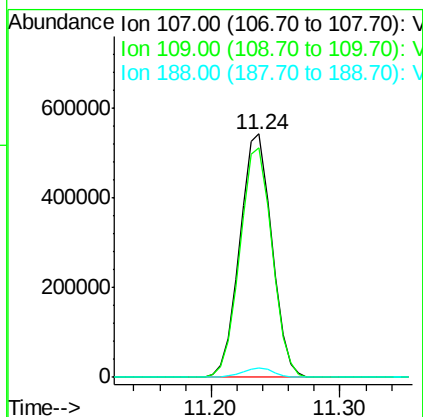
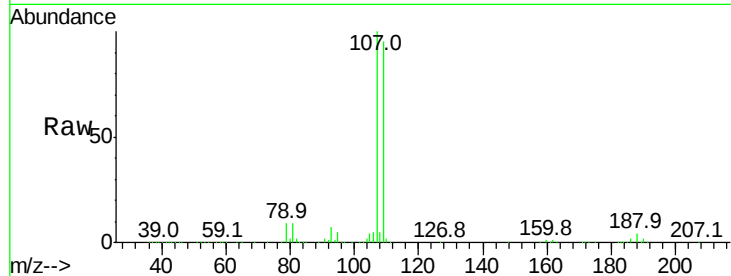




#51
1,2-Dibromoethane
Concen: 100.887 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW010110.D
Acq: 24 Apr 2019 11:53

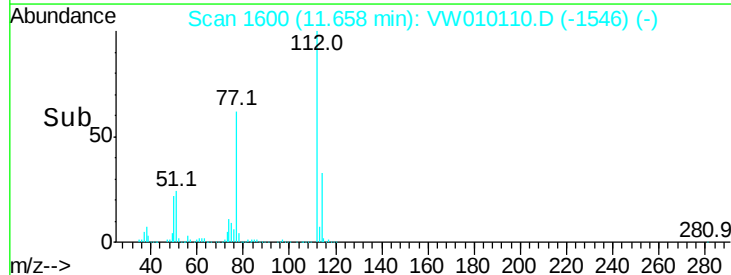
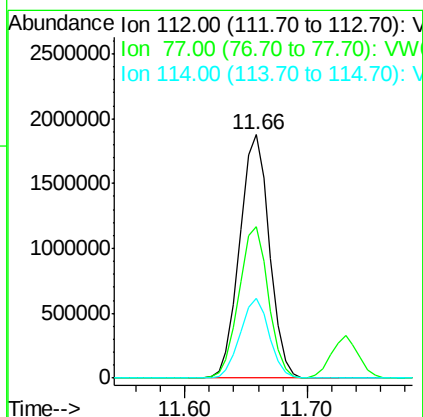
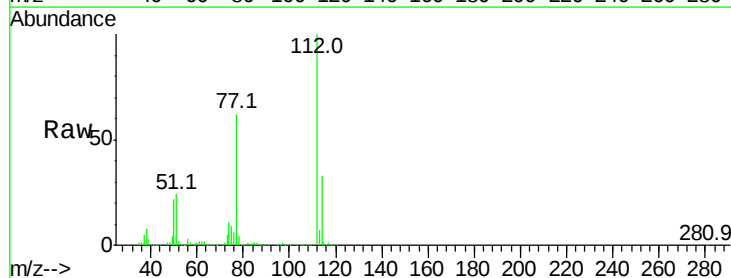
Instrument :
MSVOA_W
ClientSampleId :
VSTD10017

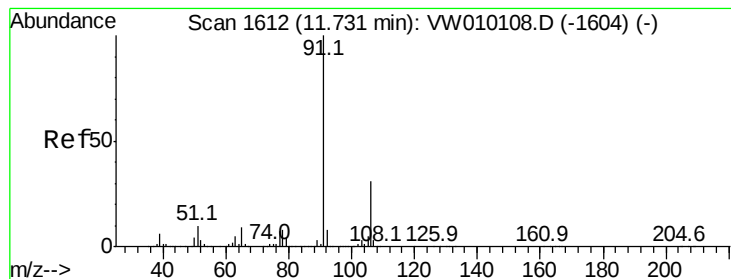
Tgt Ion:107 Resp: 932279
Ion Ratio Lower Upper
107 100
109 94.5 64.9 120.5
188 3.9 2.9 4.3



#52
Chlorobenzene
Concen: 99.534 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010110.D
Acq: 24 Apr 2019 11:53

Tgt Ion:112 Resp: 3153703
Ion Ratio Lower Upper
112 100
77 62.4 48.6 73.0
114 32.9 22.3 41.3





#53

Ethylbenzene

Concen: 104.570 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

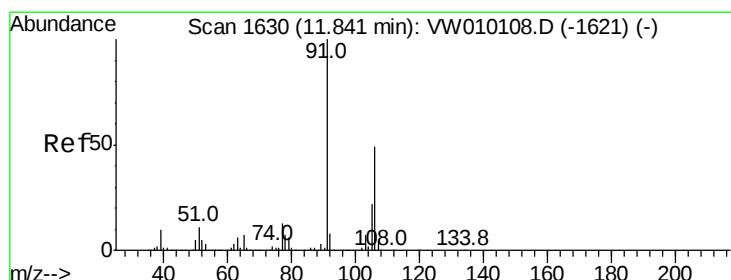
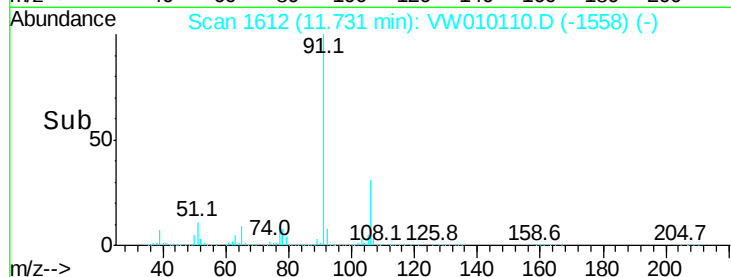
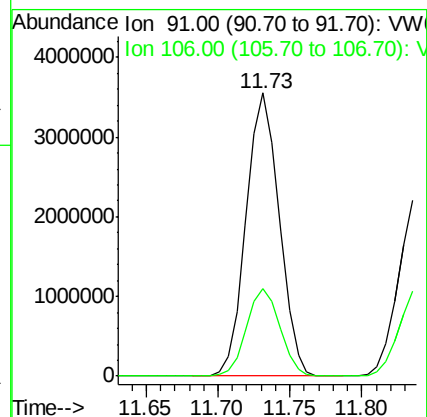
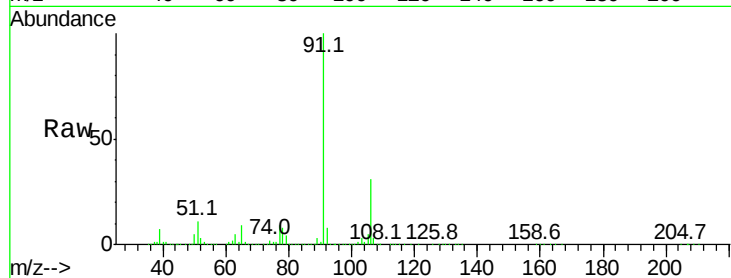
VSTD10017

Tgt Ion: 91 Resp: 5675284

Ion Ratio Lower Upper

91 100

106 31.1 21.5 39.9



#54

m,p-Xylene

Concen: 107.145 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010110.D

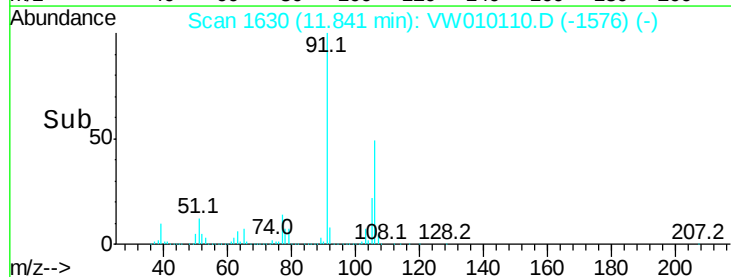
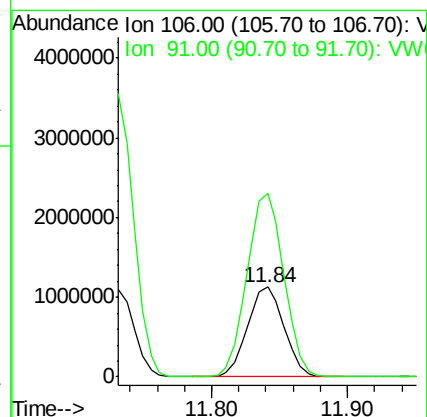
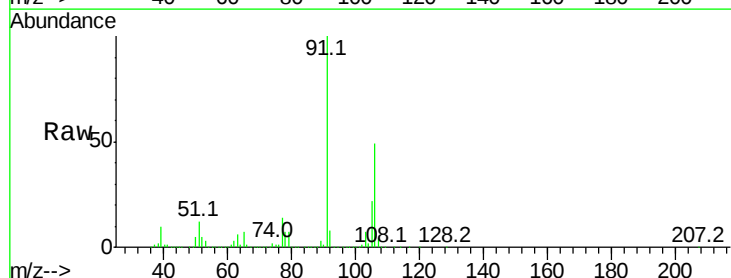
Acq: 24 Apr 2019 11:53

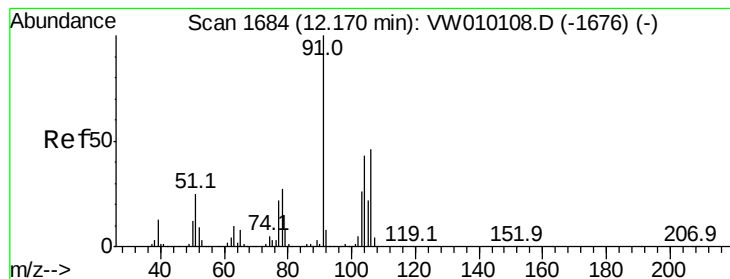
Tgt Ion: 106 Resp: 2127025

Ion Ratio Lower Upper

106 100

91 204.4 143.4 266.4





#55

o-xylene

Concen: 108.408 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

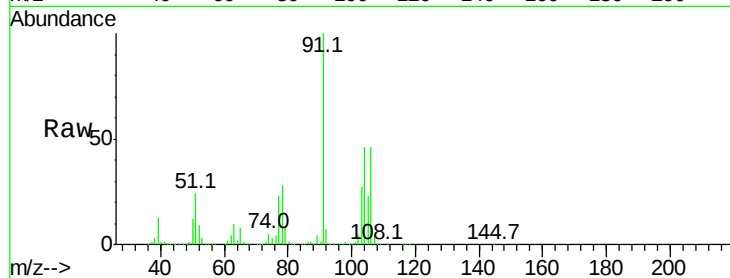
VSTD10017

Tgt Ion:106 Resp: 2064089

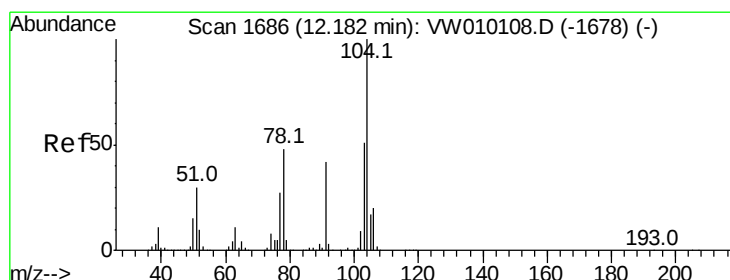
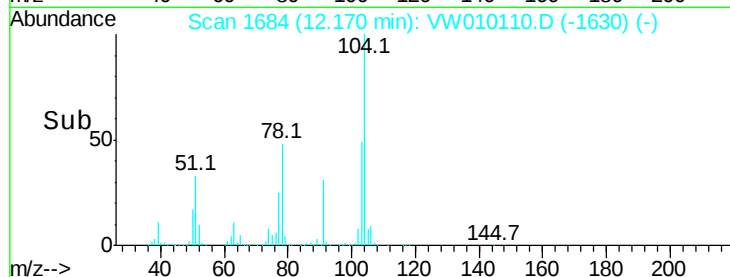
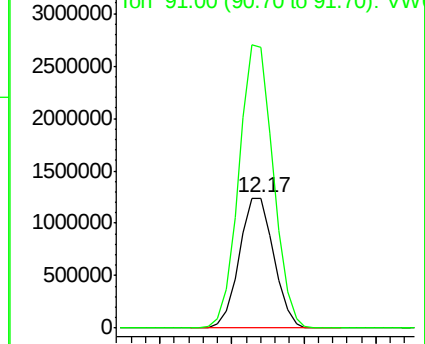
Ion Ratio Lower Upper

106 100

91 215.6 151.4 281.2



Abundance Ion 106.00 (105.70 to 106.70): V



#56

Styrene

Concen: 106.638 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW010110.D

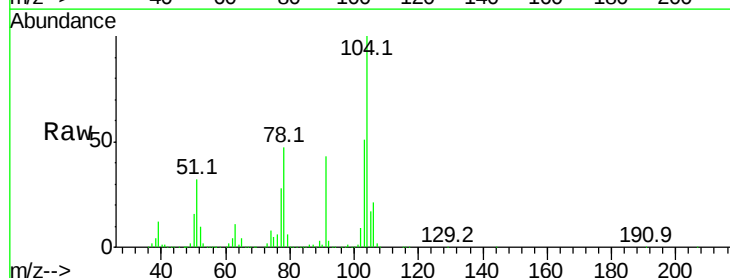
Acq: 24 Apr 2019 11:53

Tgt Ion:104 Resp: 3554410

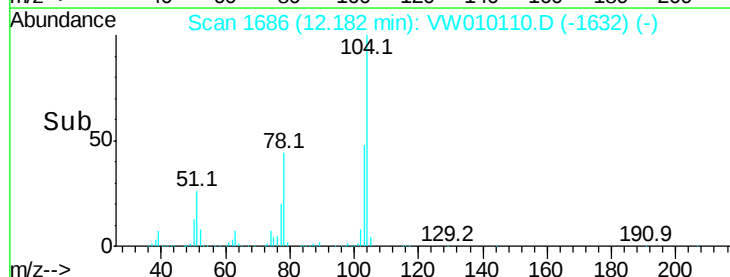
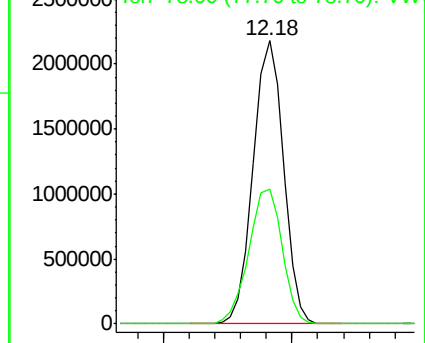
Ion Ratio Lower Upper

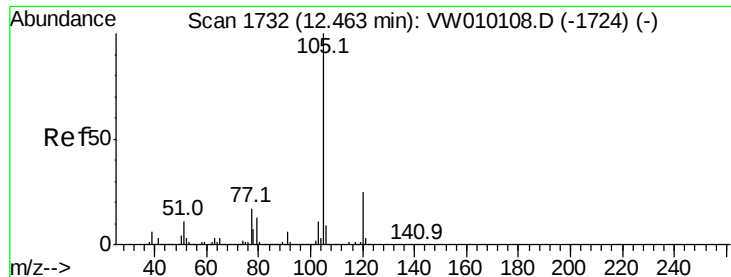
104 100

78 47.5 33.4 62.0



Abundance Ion 104.00 (103.70 to 104.70): V





#57

Isopropylbenzene

Concen: 108.350 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD10017

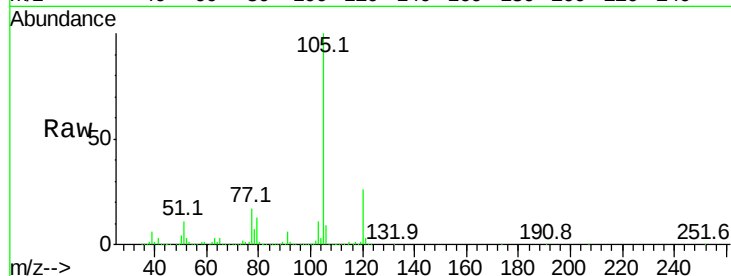
Tgt Ion:105 Resp: 5494826

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

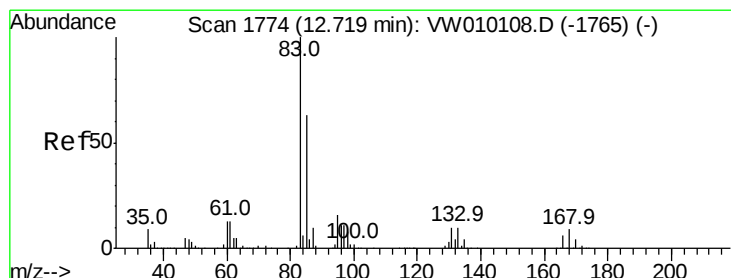
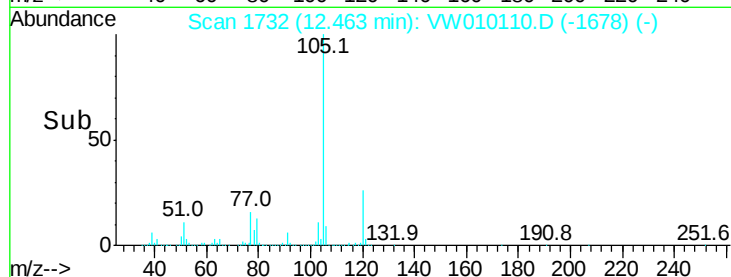
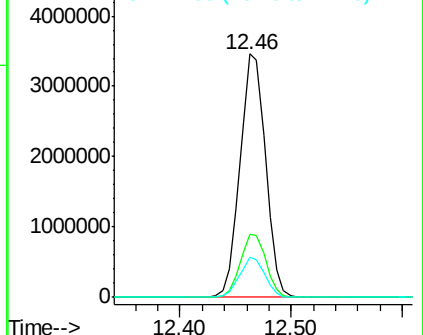
77 16.2 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 94.597 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

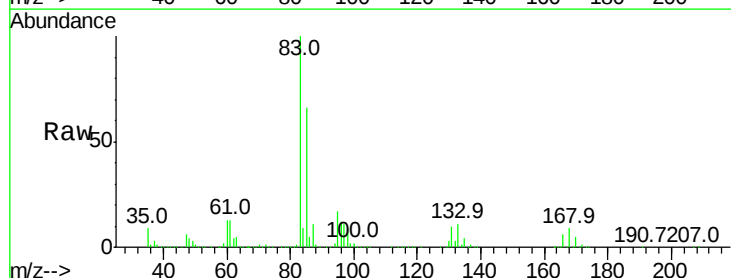
Tgt Ion: 83 Resp: 1174801

Ion Ratio Lower Upper

83 100

85 66.1 44.2 82.2

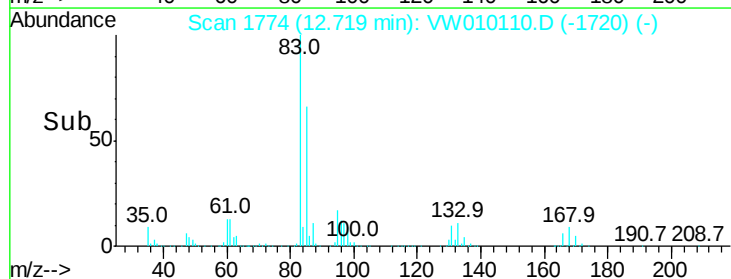
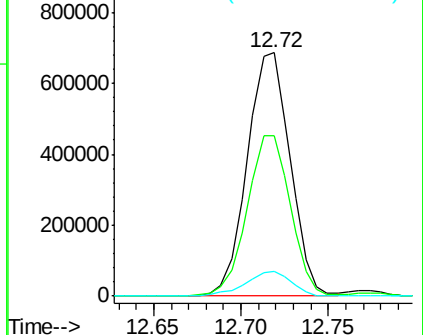
131 10.2 7.8 11.8

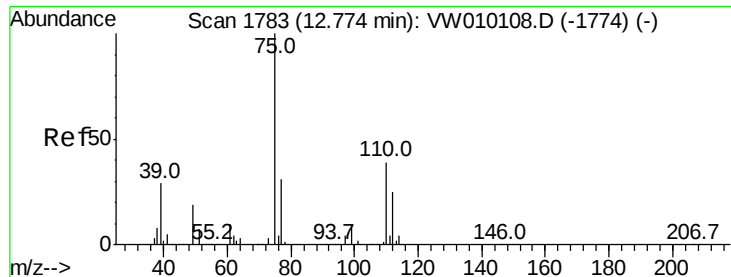


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

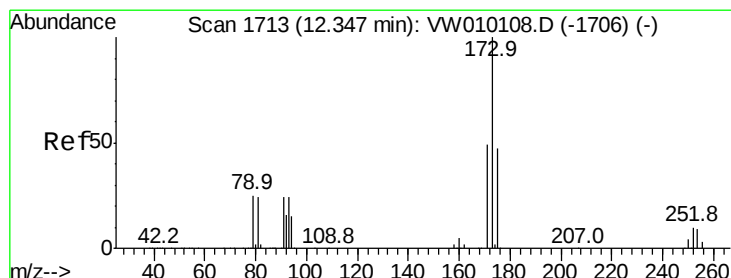
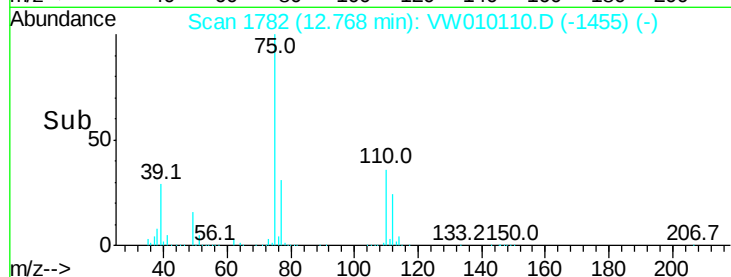
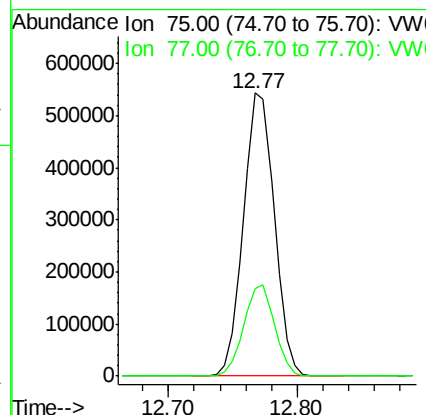
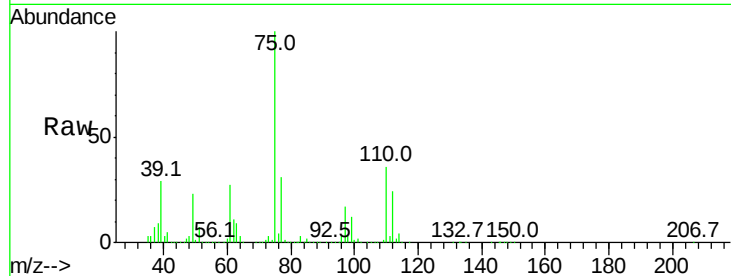




#59
 1,2,3-Trichloropropane
 Concen: 96.983 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW010110.D
 Acq: 24 Apr 2019 11:53

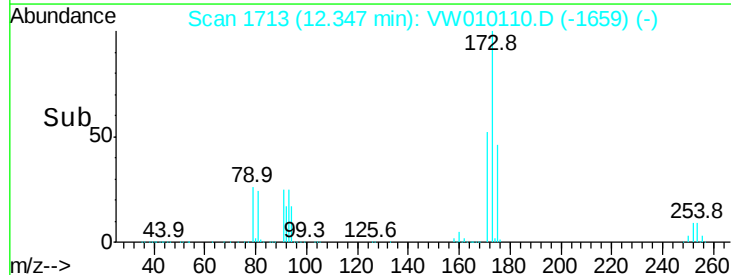
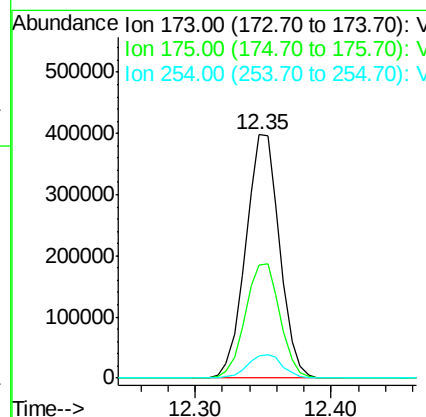
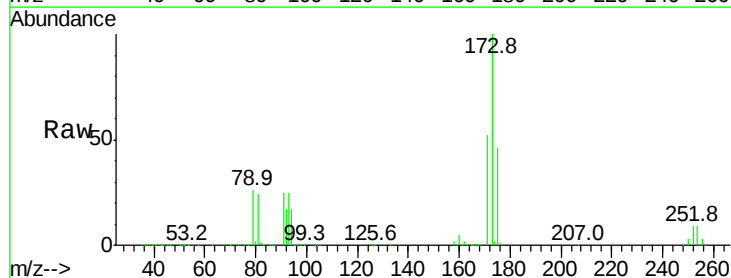
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10017

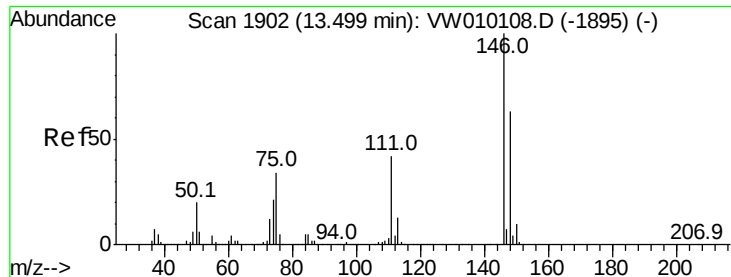
Tgt Ion: 75 Resp: 901355
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.1 39.1



#62
 Bromoform
 Concen: 106.001 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW010110.D
 Acq: 24 Apr 2019 11:53

Tgt Ion: 173 Resp: 691659
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.2 57.4
 254 9.9 7.9 11.9

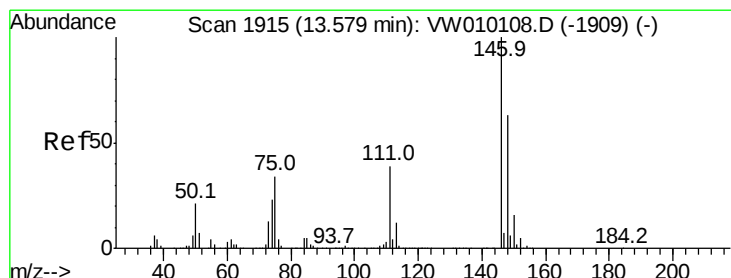
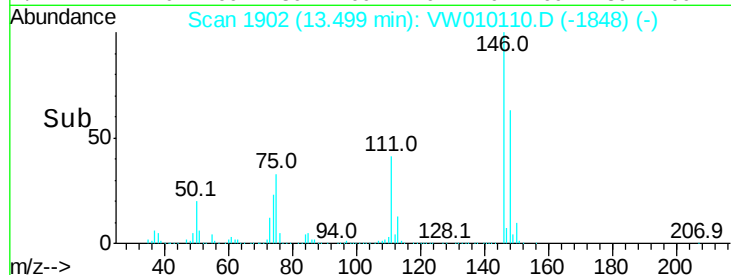
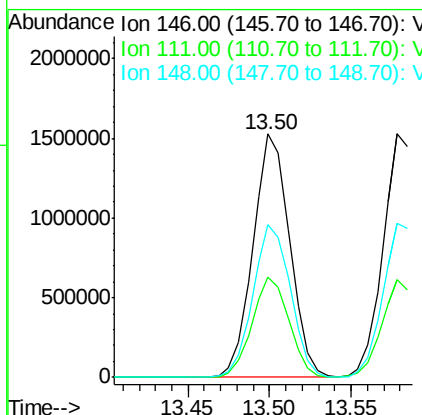
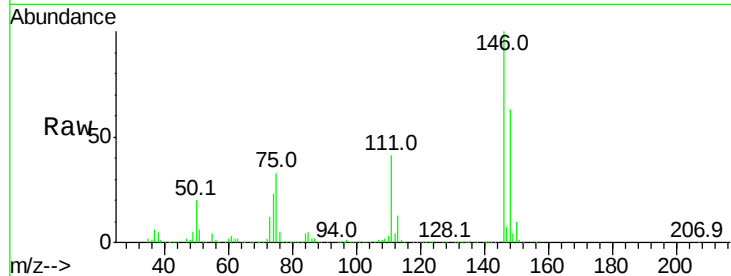




#63
 1,3-Dichlorobenzene
 Concen: 106.427 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010110.D
 Acq: 24 Apr 2019 11:53

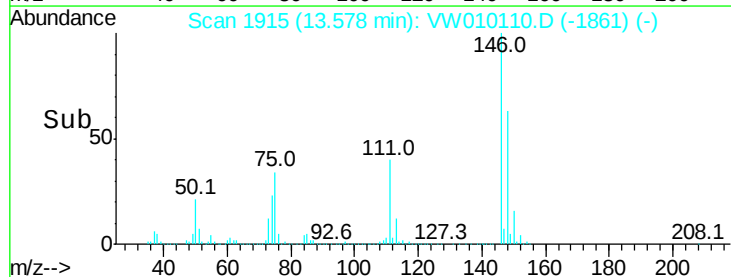
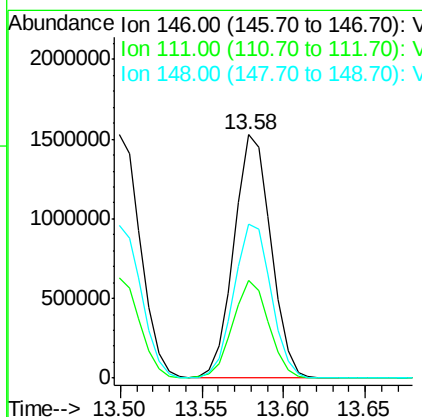
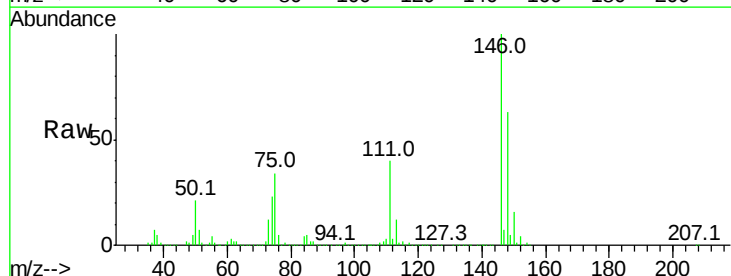
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10017

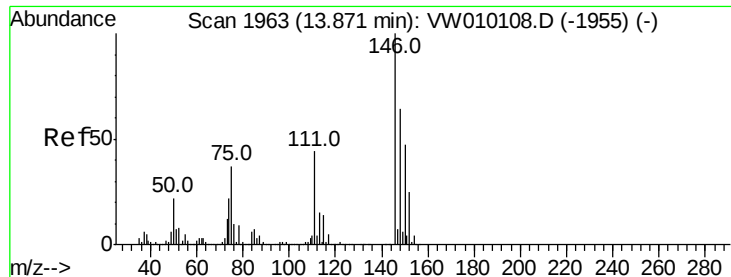
Tgt Ion:146 Resp: 2389225
 Ion Ratio Lower Upper
 146 100
 111 41.1 29.3 54.5
 148 62.8 44.4 82.4



#64
 1,4-Dichlorobenzene
 Concen: 100.132 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010110.D
 Acq: 24 Apr 2019 11:53

Tgt Ion:146 Resp: 2415559
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.5 51.1
 148 63.3 43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 97.604 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD10017

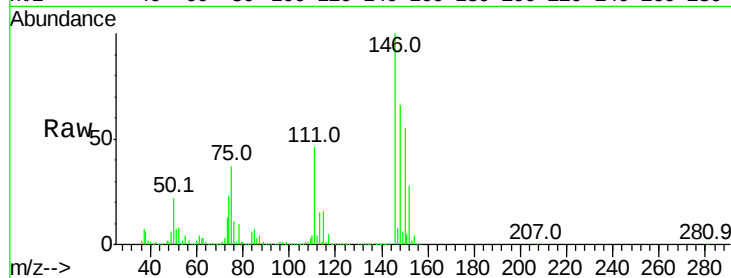
Tgt Ion:146 Resp: 2149927

Ion Ratio Lower Upper

146 100

111 46.5 35.5 53.3

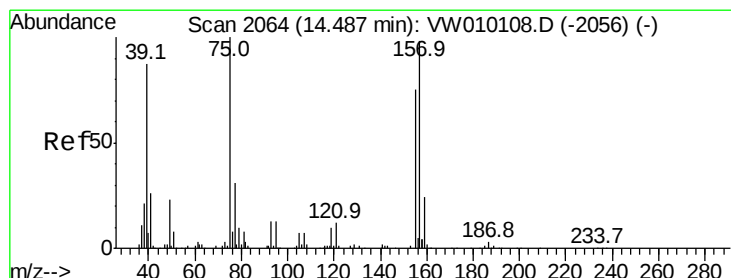
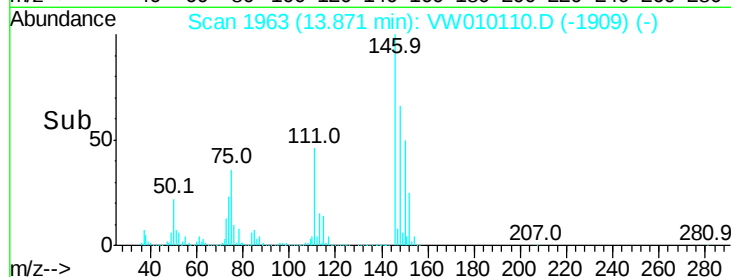
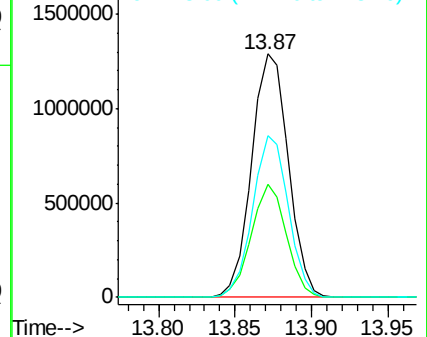
148 66.3 50.9 76.3



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: 96.733 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

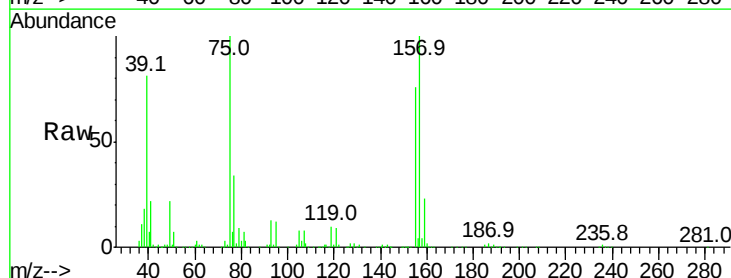
Tgt Ion: 75 Resp: 215626

Ion Ratio Lower Upper

75 100

157 99.5 78.4 117.6

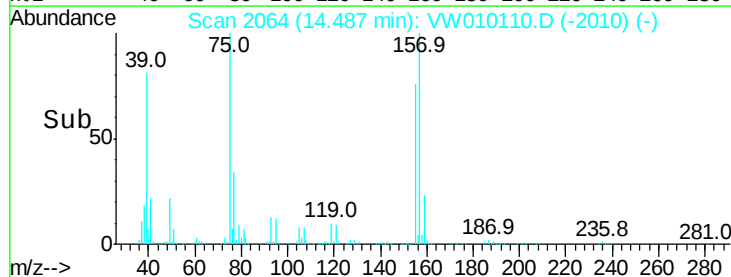
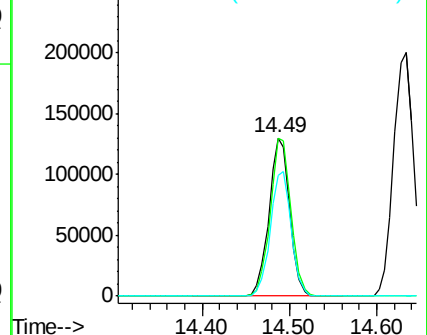
155 76.4 60.2 90.2

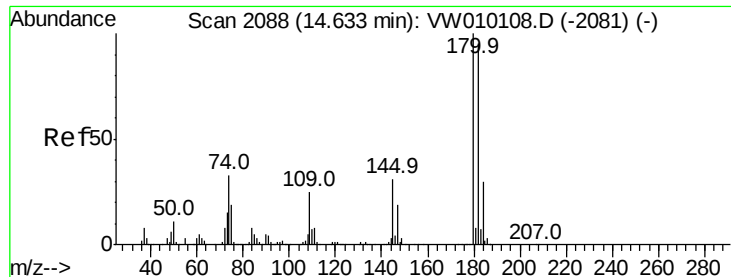


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

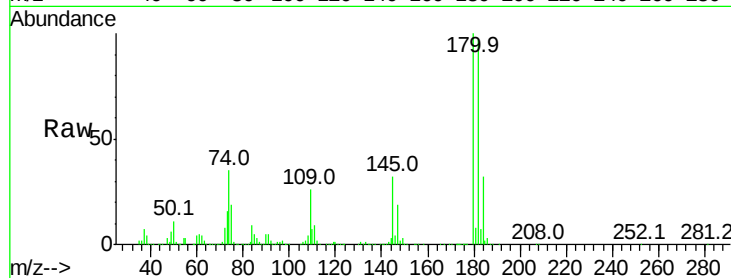




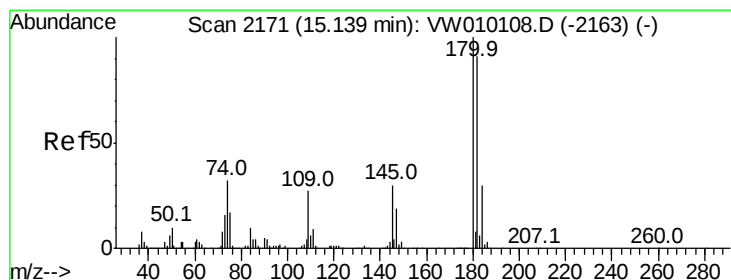
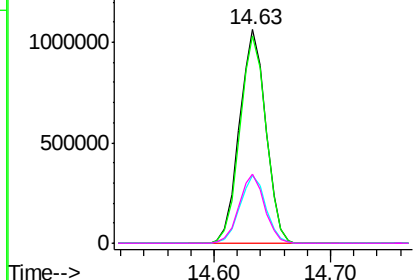
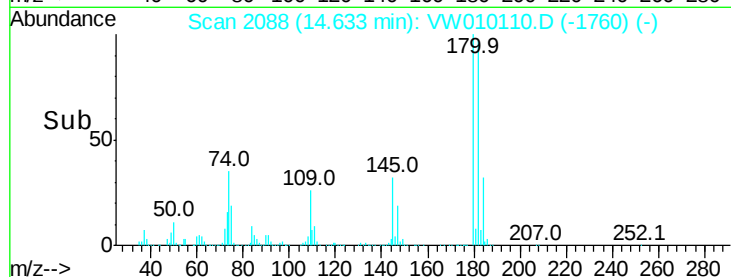
#67
 1,3,5-Trichlorobenzene
 Concen: 101.990 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW010110.D
 Acq: 24 Apr 2019 11:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10017

Tgt Ion:180 Resp: 1677084
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.1 114.1
 184 31.1 24.2 36.2
 145 31.3 24.6 37.0

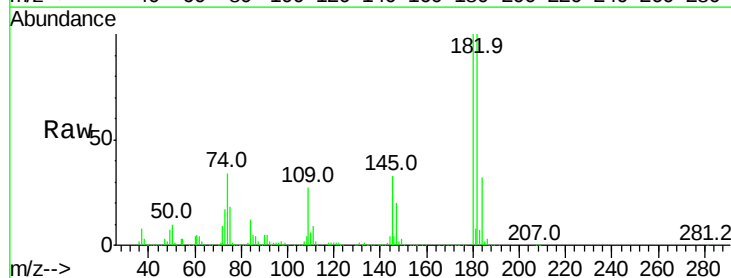


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

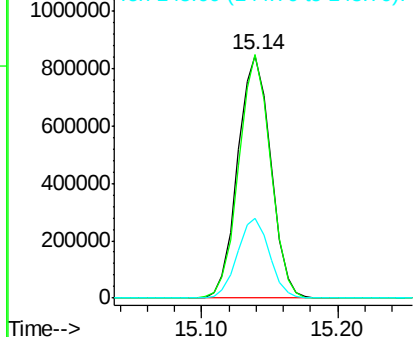
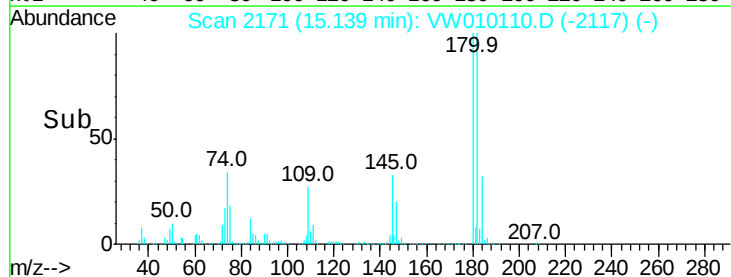


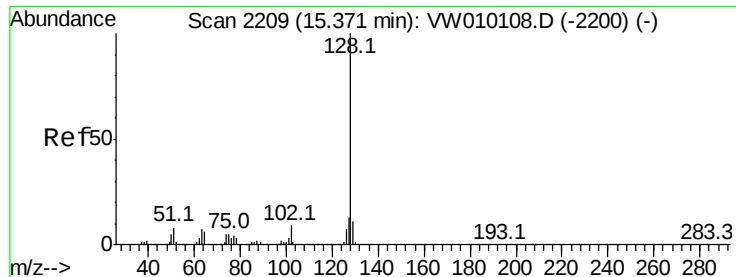
#68
 1,2,4-trichlorobenzene
 Concen: 106.167 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010110.D
 Acq: 24 Apr 2019 11:53

Tgt Ion:180 Resp: 1430140
 Ion Ratio Lower Upper
 180 100
 182 96.4 75.0 112.4
 145 32.0 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





#69

Naphthalene

Concen: 116.942 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD10017

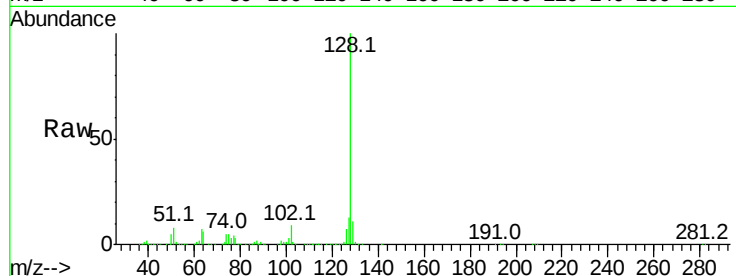
Tgt Ion:128 Resp: 3380930

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

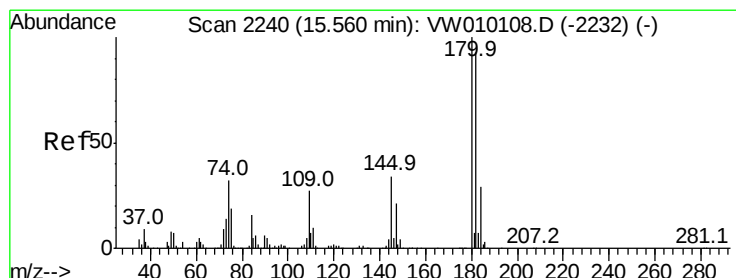
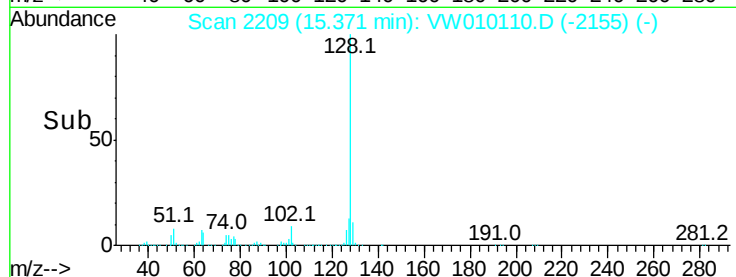
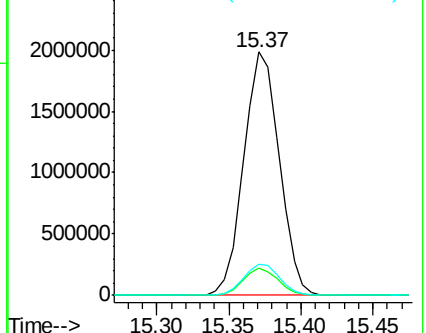
127 13.1 10.8 16.2



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: 101.643 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010110.D

Acq: 24 Apr 2019 11:53

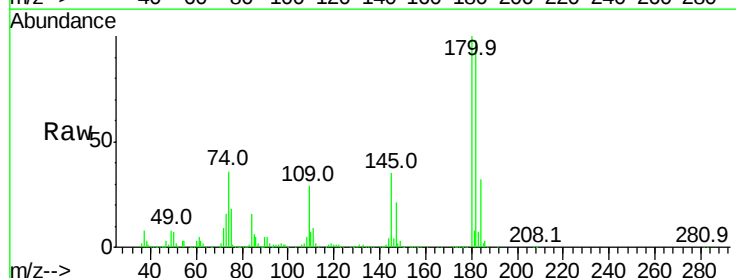
Tgt Ion:180 Resp: 1306393

Ion Ratio Lower Upper

180 100

182 96.0 75.2 112.8

145 33.3 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

