

Data File : VW009172.D
Acq On : 14 Mar 2019 15:59
Operator : SY/VA
Sample : VSTD10065
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

Quant Time: Mar 14 16:22:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 14 15:38:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	487375	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	464527	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	242026	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	637029	84.02	ug/L	0.00
7) Chloroethane-d5	2.89	69	668791	98.25	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	1270742	100.78	ug/L	0.00
20) 2-Butanone-d5	7.07	46	495688	219.26	ug/L	0.00
24) Chloroform-d	7.64	84	1266443	107.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	774523	111.36	ug/L	0.00
29) Benzene-d6	8.27	84	2432076	109.06	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	740935	113.42	ug/L	0.00
37) Toluene-d8	10.32	98	2338091	104.69	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	395177	120.70	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	407991	229.23	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	756870	115.39	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	888596	103.02	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	698995	74.659	ug/L	98
3) Chloromethane	2.22	50	771895	79.761	ug/L	99
5) Vinyl chloride	2.37	62	853613	86.033	ug/L	99
6) Bromomethane	2.78	94	674931	102.591	ug/L	100
8) Chloroethane	2.92	64	643337	96.840	ug/L	93
9) Trichlorofluoromethane	3.26	101	653245	55.057	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	648992	92.617	ug/L	96
12) 1,1-Dichloroethene	4.03	96	648438	106.662	ug/L	91
13) Acetone	4.12	43	391922	182.721	ug/L	97
14) Carbon disulfide	4.38	76	1880997	89.540	ug/L	99
15) Methyl Acetate	4.67	43	403537	94.327	ug/L	98
16) Methylene chloride	4.92	84	633954	80.441	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	891550	52.148	ug/L	99
18) trans-1,2-Dichloroethene	5.41	96	653898	97.698	ug/L	98
19) 1,1-Dichloroethane	6.21	63	1196210	105.262	ug/L	98
21) 2-Butanone	7.17	43	599967	199.903	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	726289	101.177	ug/L	98
23) Bromochloromethane	7.51	128	337816	102.849	ug/L	96
25) Chloroform	7.67	83	1251335	104.601	ug/L	99
27) 1,2-Dichloroethane	8.40	62	943251	108.420	ug/L	99
30) Cyclohexane	7.95	56	1152942	105.447	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	944890	88.108	ug/L	99
32) Carbon tetrachloride	8.06	117	996119	101.635	ug/L	98
34) Benzene	8.32	78	2669210	105.918	ug/L	100
35) Trichloroethene	9.09	95	710874	104.510	ug/L	99
36) Methylcyclohexane	9.34	83	1247224	103.337	ug/L	100
40) 1,2-Dichloropropane	9.37	63	675287	108.477	ug/L	98
41) Bromodichloromethane	9.64	83	969956	114.591	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	1172285	116.093	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	1282612	228.147	ug/L	99

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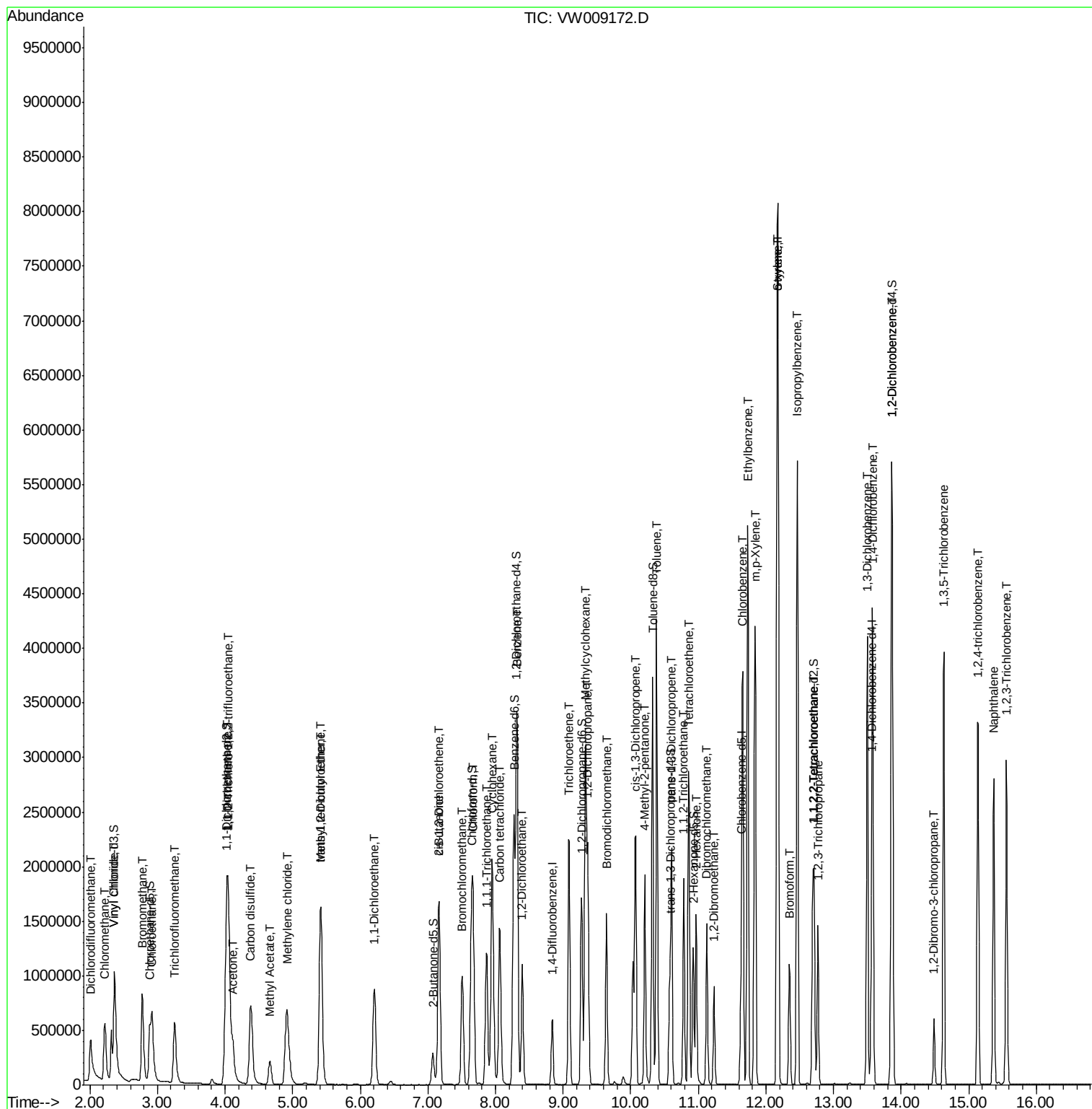
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	2963741	102.299	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	1032098	114.462	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	543684	104.458	ug/L	98
47) Tetrachloroethene	10.86	164	587814	94.926	ug/L	97
49) 2-Hexanone	10.97	43	965103	218.858	ug/L	99
50) Dibromochloromethane	11.13	129	706971	112.044	ug/L	94
51) 1,2-Dibromoethane	11.23	107	559092	106.194	ug/L	99
52) Chlorobenzene	11.66	112	1870564	95.933	ug/L	98
53) Ethylbenzene	11.73	91	3421143	101.631	ug/L	99
54) m,p-Xylene	11.84	106	1290869	97.520	ug/L	97
55) o-xylene	12.17	106	1304706	102.459	ug/L	100
56) Styrene	12.18	104	2331563	109.173	ug/L	94
57) Isopropylbenzene	12.46	105	3529503	103.902	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	747583	107.061	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	549395	106.413	ug/L	99
62) Bromoform	12.35	173	464568	123.982	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	1524311	96.496	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	1541480	96.053	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	1445028	98.761	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	142271	109.509	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	1149736	92.442	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	1011531	94.421	ug/L	100
69) Naphthalene	15.37	128	2263938	102.649	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	937996	95.281	ug/L	99

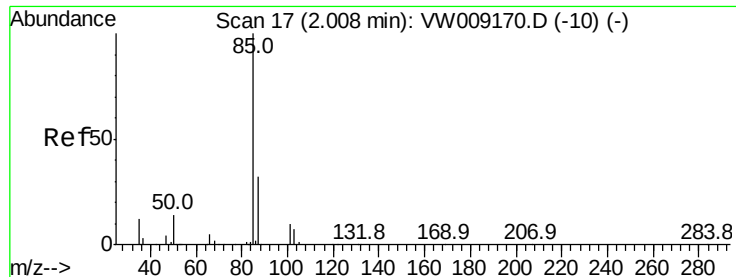
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 74.659 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

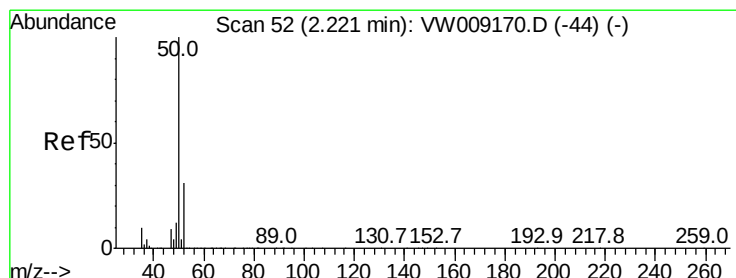
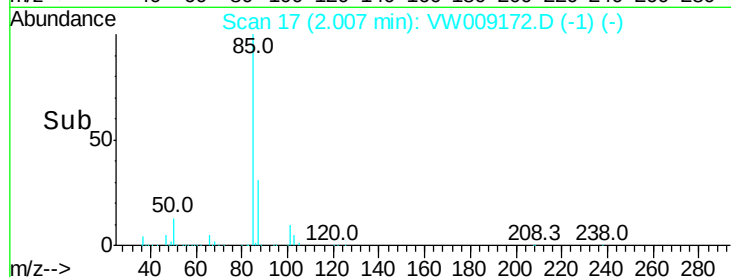
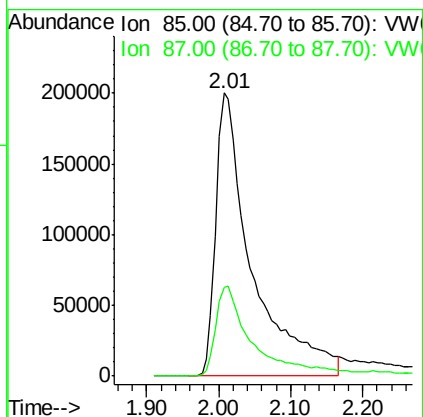
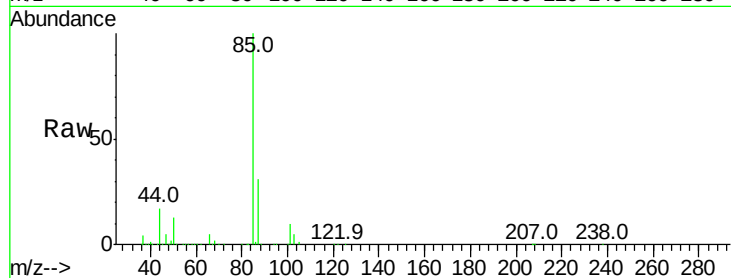
VSTD10005

Tgt Ion: 85 Resp: 698995

Ion Ratio Lower Upper

85 100

87 28.9 19.5 36.3



#3

Chloromethane

Concen: 79.761 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW009172.D

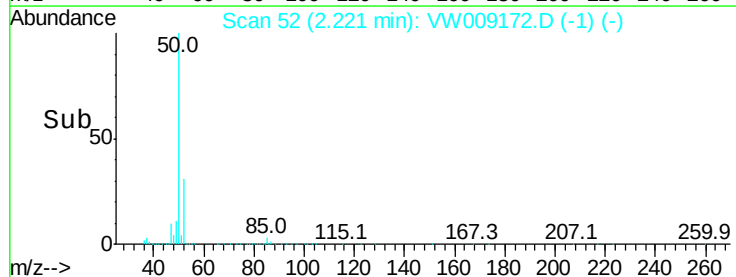
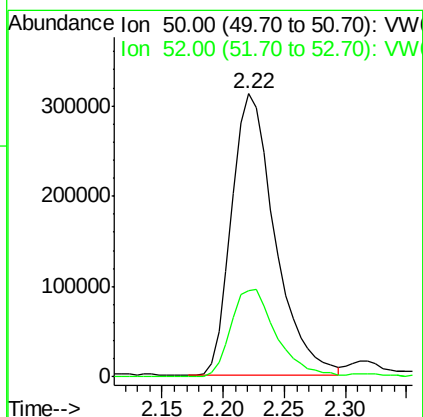
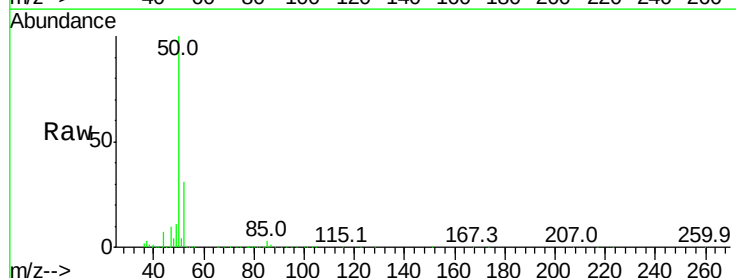
Acq: 14 Mar 2019 15:59

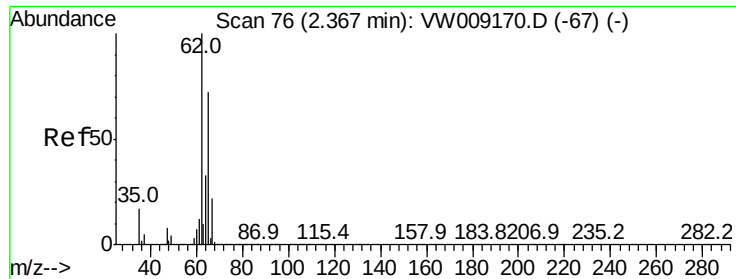
Tgt Ion: 50 Resp: 771895

Ion Ratio Lower Upper

50 100

52 30.5 21.6 40.2





#5

Vinyl chloride

Concen: 86.033 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

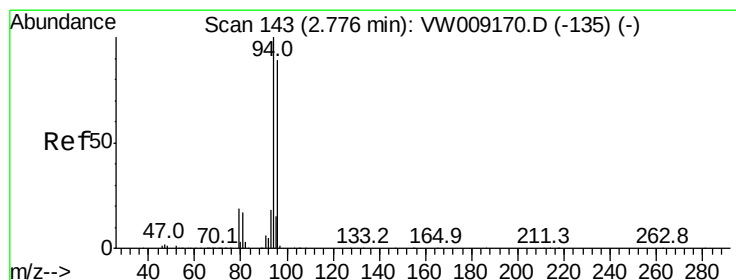
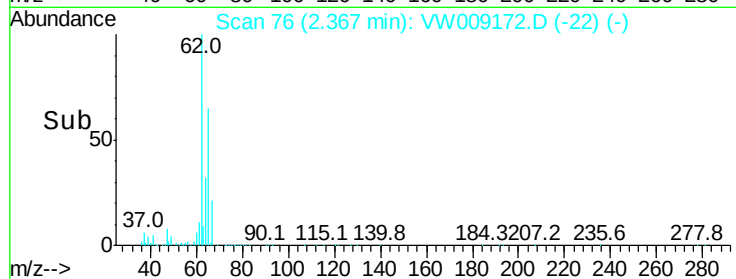
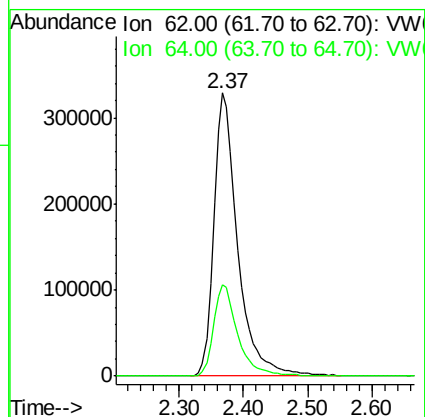
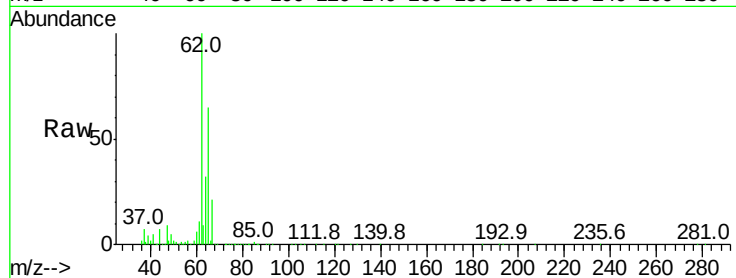
VSTD10005

Tgt Ion: 62 Resp: 853613

Ion Ratio Lower Upper

62 100

64 32.2 23.0 42.6



#6

Bromomethane

Concen: 102.591 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW009172.D

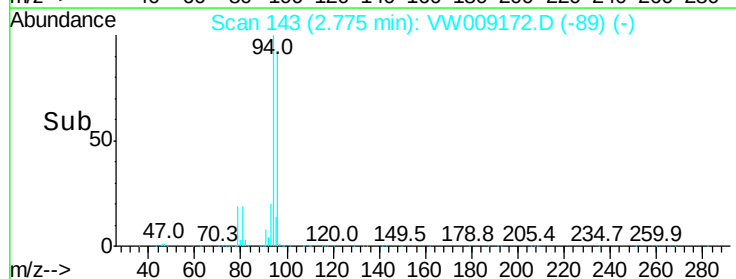
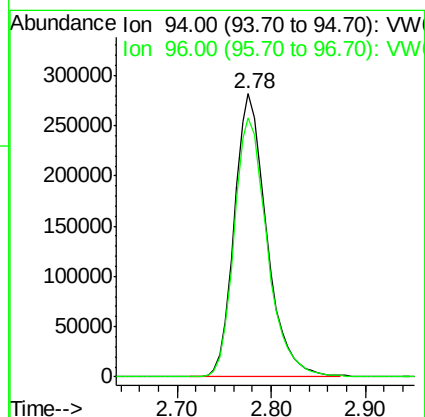
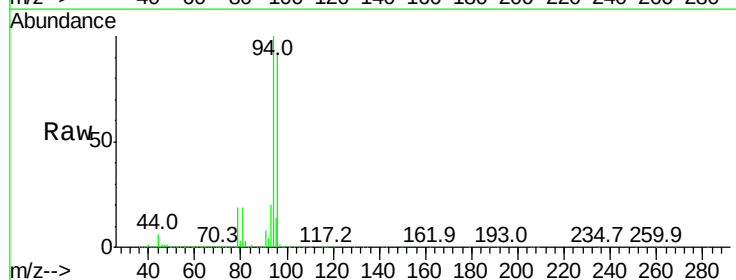
Acq: 14 Mar 2019 15:59

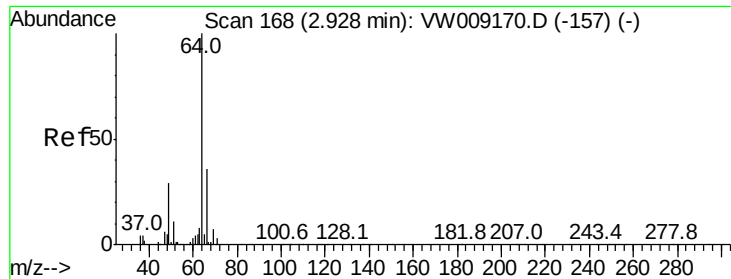
Tgt Ion: 94 Resp: 674931

Ion Ratio Lower Upper

94 100

96 93.8 9.4 178.4





#8

Chloroethane

Concen: 96.840 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

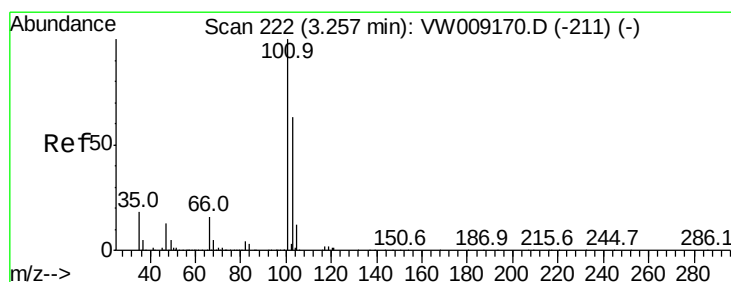
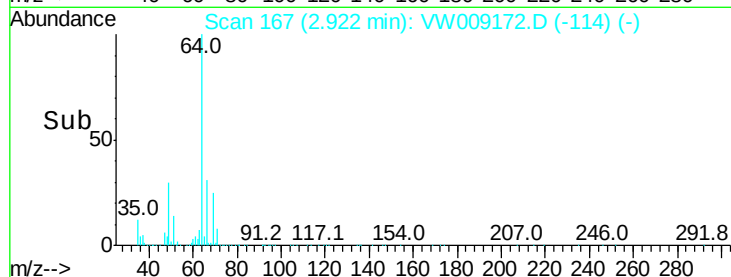
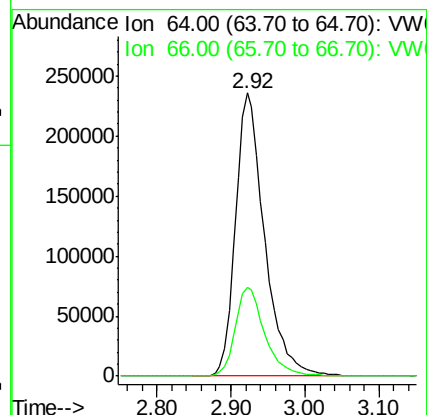
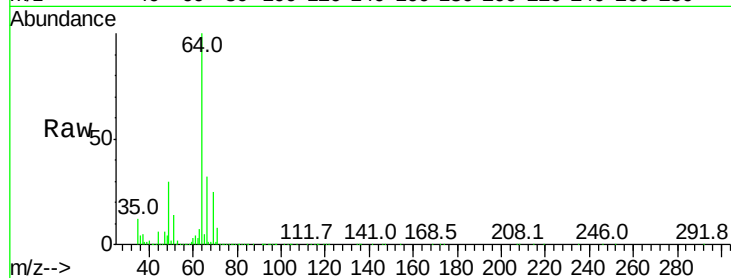
VSTD10005

Tgt Ion: 64 Resp: 643337

Ion Ratio Lower Upper

64 100

66 31.5 25.1 46.7



#9

Trichlorofluoromethane

Concen: 55.057 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW009172.D

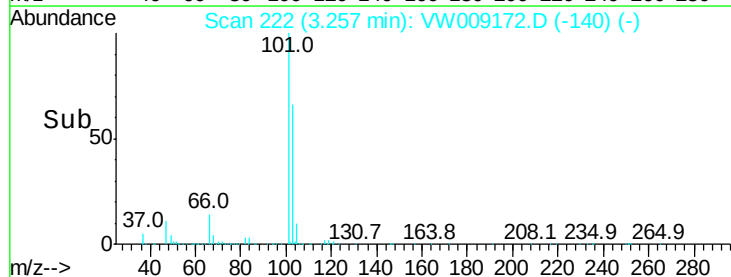
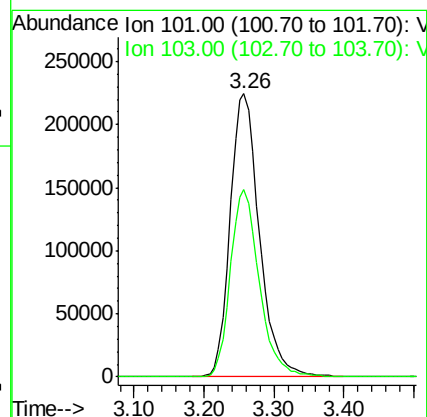
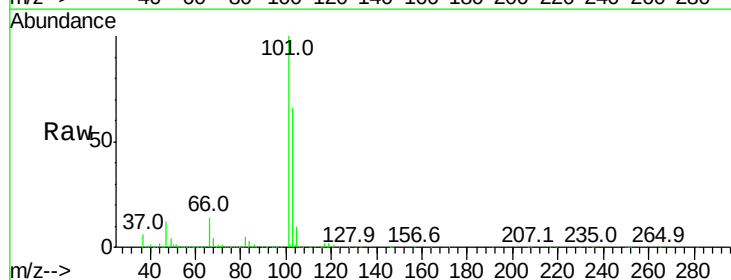
Acq: 14 Mar 2019 15:59

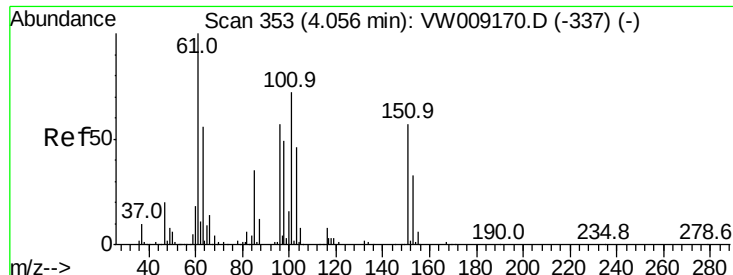
Tgt Ion: 101 Resp: 653245

Ion Ratio Lower Upper

101 100

103 64.7 45.0 83.6





#11

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

Concen: 92.617 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

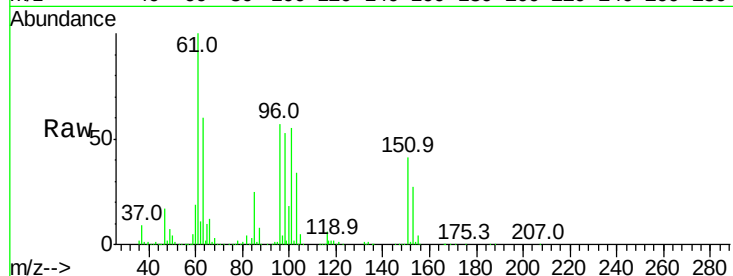
Tgt Ion: 101 Resp: 648992

Ion Ratio Lower Upper

101 100

85 44.4 32.6 48.8

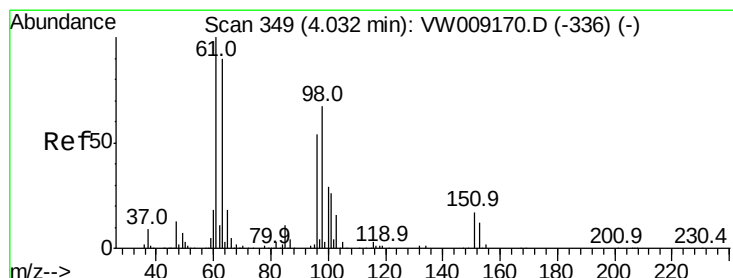
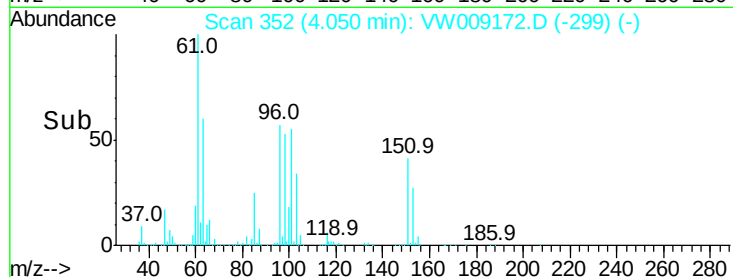
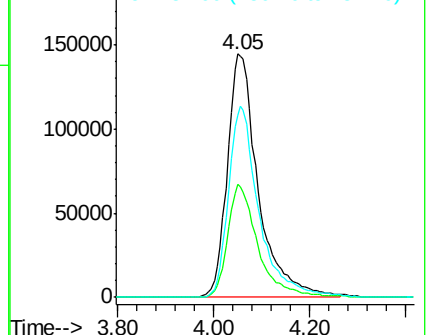
151 76.5 63.3 94.9



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: 106.662 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

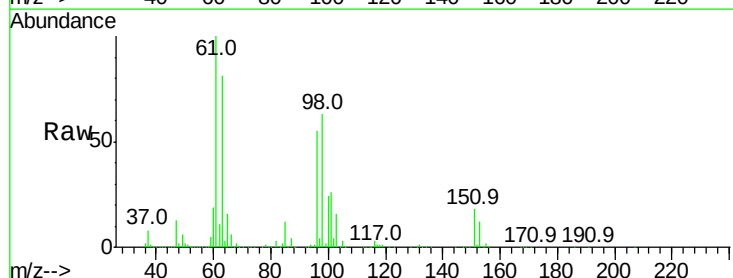
Tgt Ion: 96 Resp: 648438

Ion Ratio Lower Upper

96 100

61 181.0 129.4 240.2

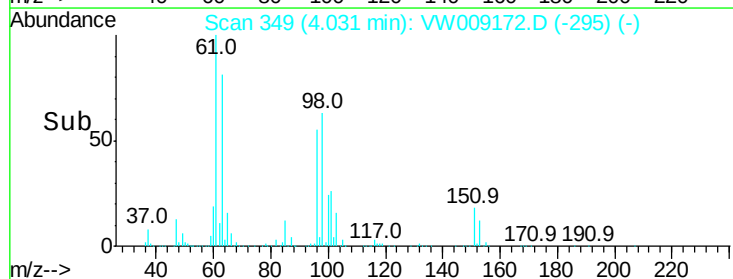
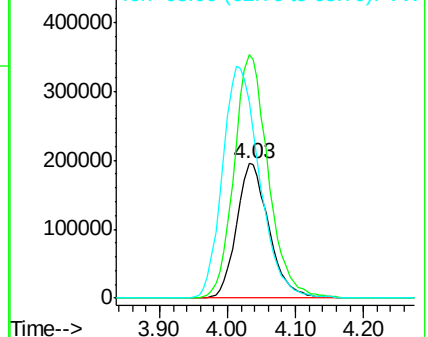
63 146.3 116.8 217.0

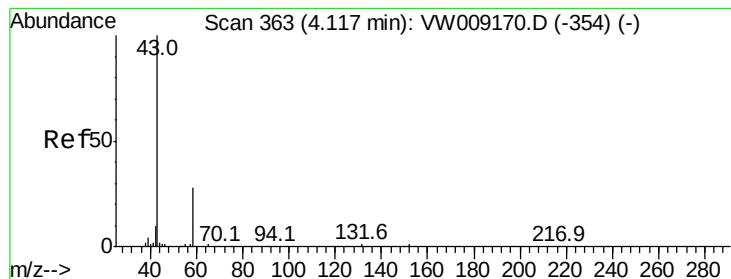


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 182.721 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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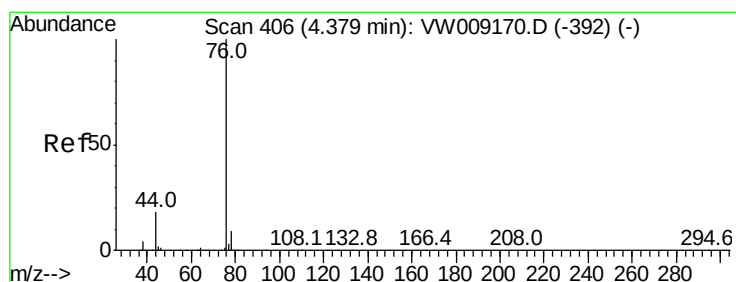
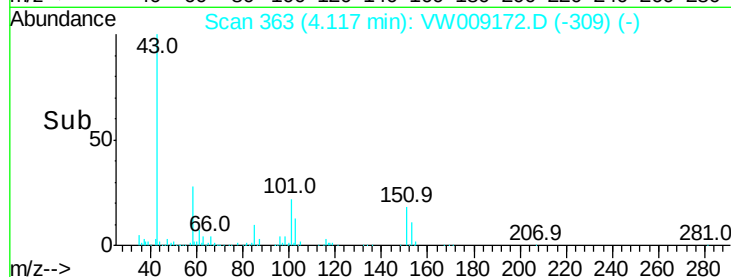
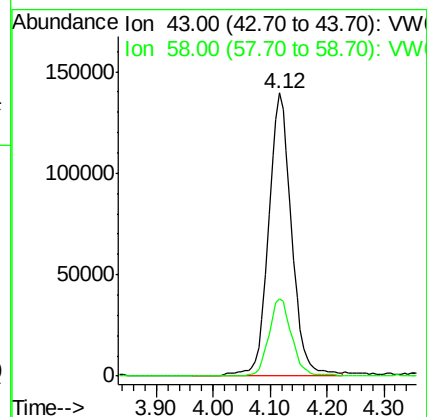
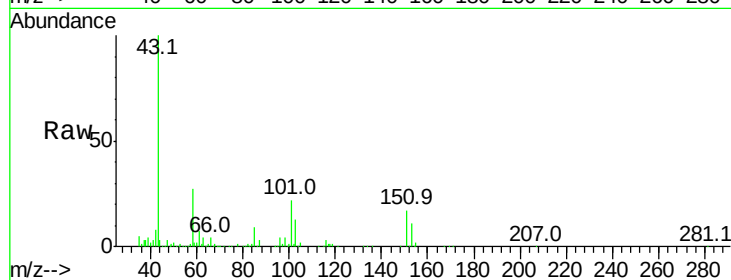
VSTD10005

Tgt Ion: 43 Resp: 391922

Ion Ratio Lower Upper

43 100

58 26.7 0.0 56.2



#14

Carbon disulfide

Concen: 89.540 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW009172.D

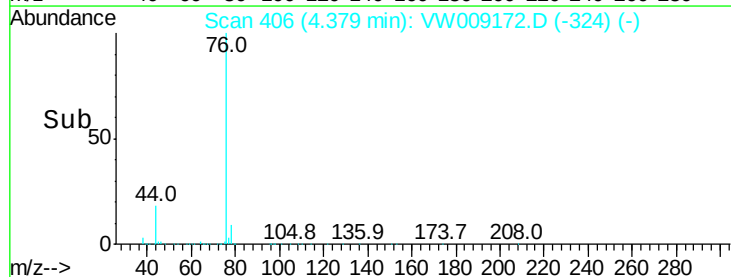
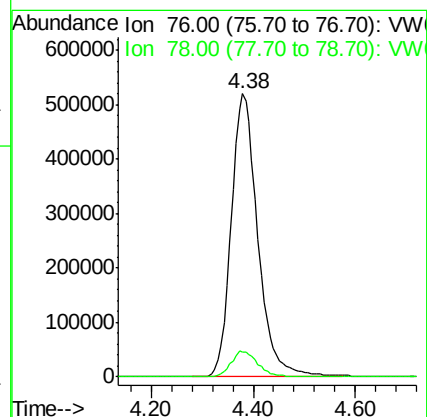
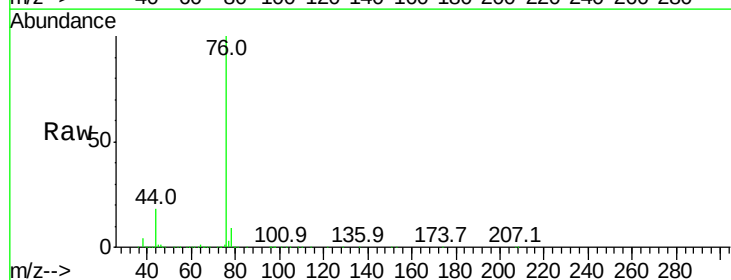
Acq: 14 Mar 2019 15:59

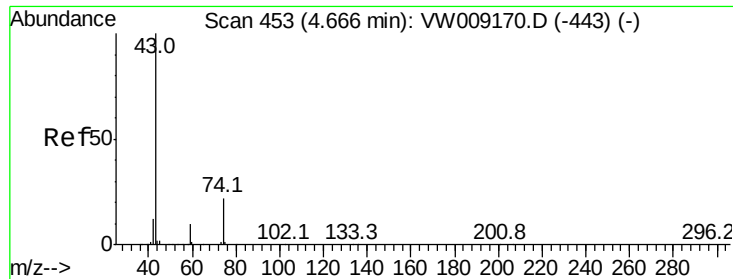
Tgt Ion: 76 Resp: 1880997

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9

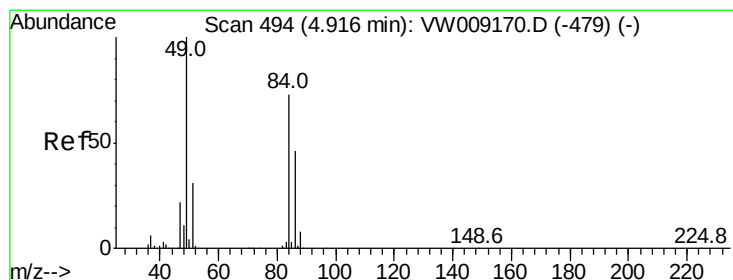
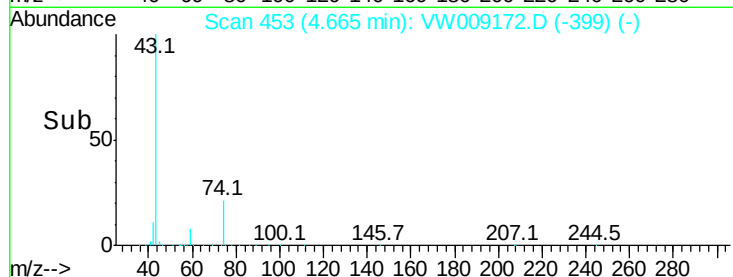
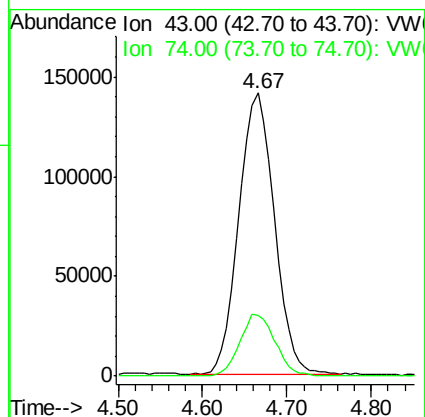
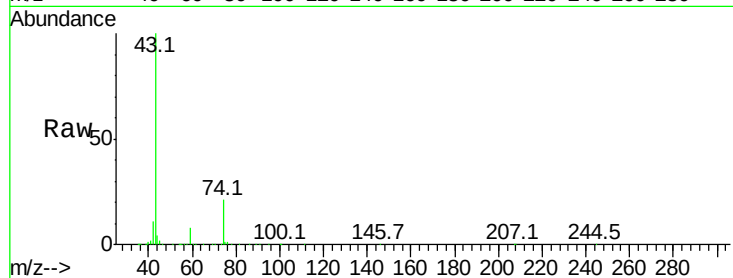




#15
Methyl Acetate
Concen: 94.327 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW009172.D
Acq: 14 Mar 2019 15:59

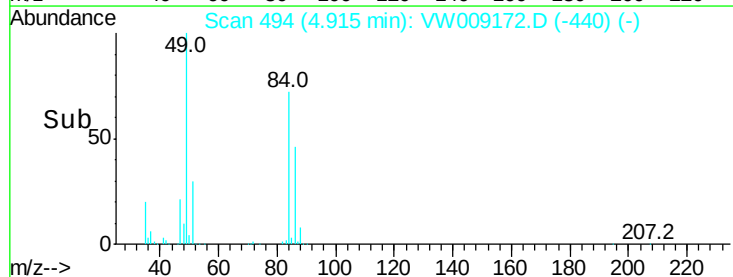
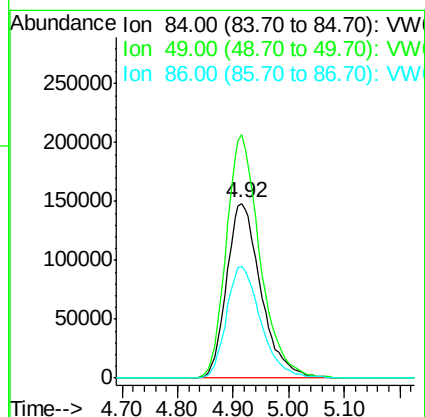
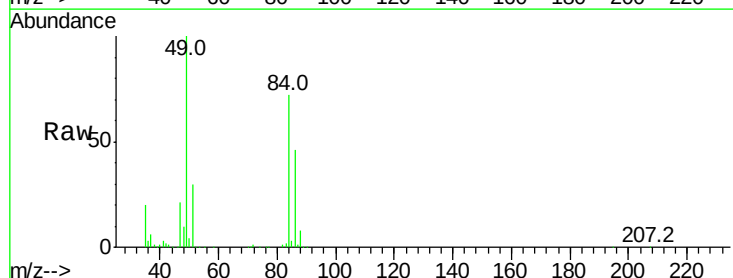
Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

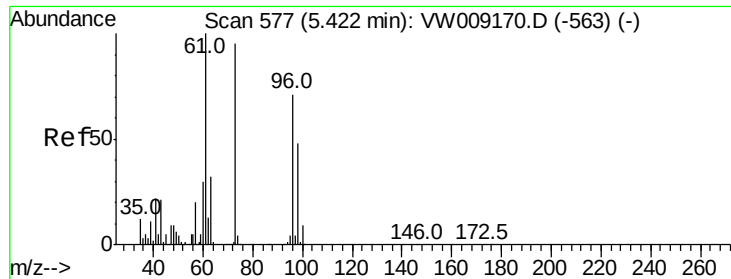
Tgt Ion: 43 Resp: 403537
Ion Ratio Lower Upper
43 100
74 21.8 16.7 25.1



#16
Methylene chloride
Concen: 80.441 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW009172.D
Acq: 14 Mar 2019 15:59

Tgt Ion: 84 Resp: 633954
Ion Ratio Lower Upper
84 100
49 139.3 96.0 178.2
86 63.8 44.4 82.5

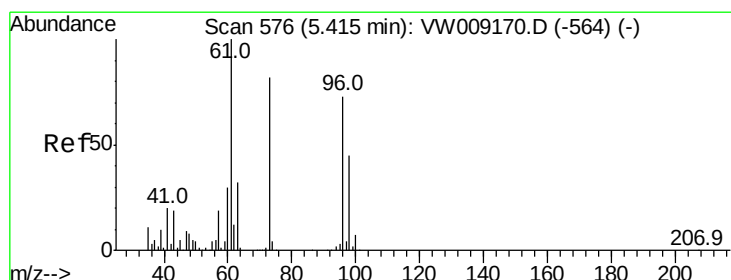
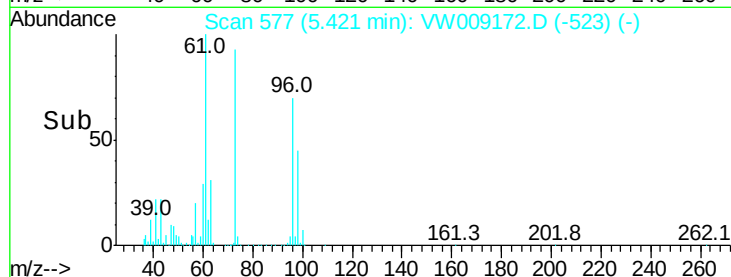
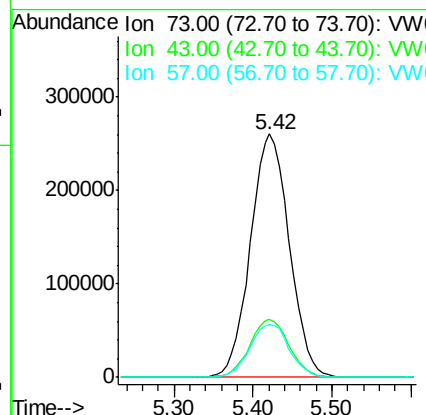
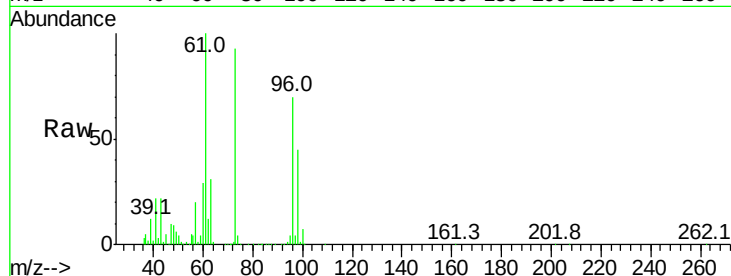




#17
Methyl tert-butyl Ether
Concen: 52.148 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW009172.D
Acq: 14 Mar 2019 15:59

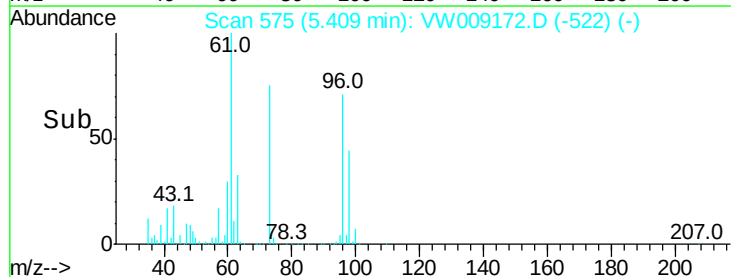
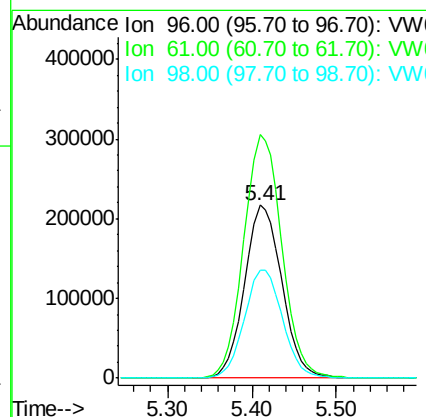
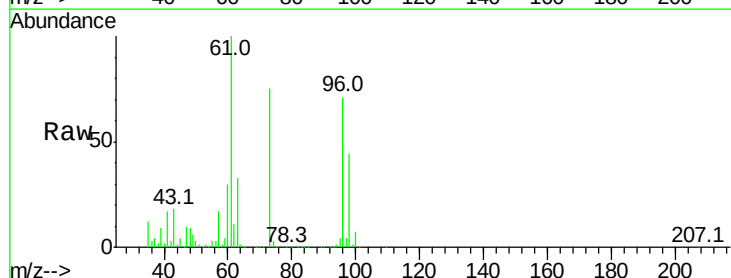
Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

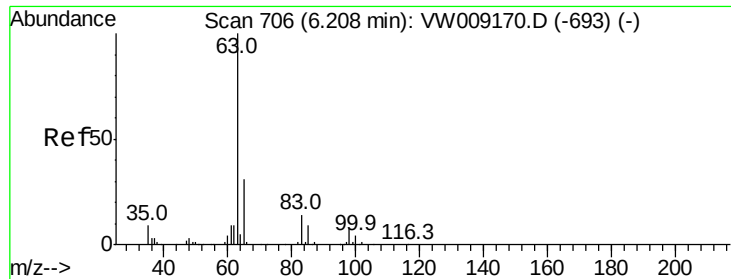
Tgt Ion: 73 Resp: 891550
Ion Ratio Lower Upper
73 100
43 23.8 18.2 27.4
57 22.2 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 97.698 ug/L
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW009172.D
Acq: 14 Mar 2019 15:59

Tgt Ion: 96 Resp: 653898
Ion Ratio Lower Upper
96 100
61 140.9 96.7 179.5
98 62.2 43.8 81.4

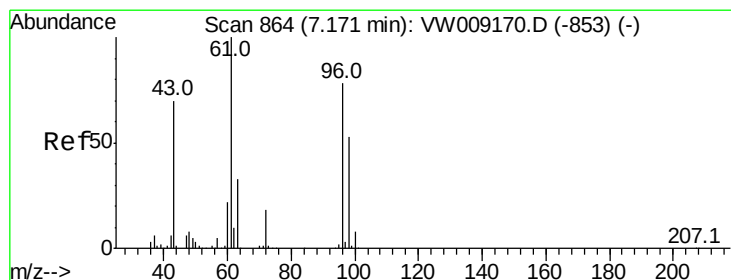
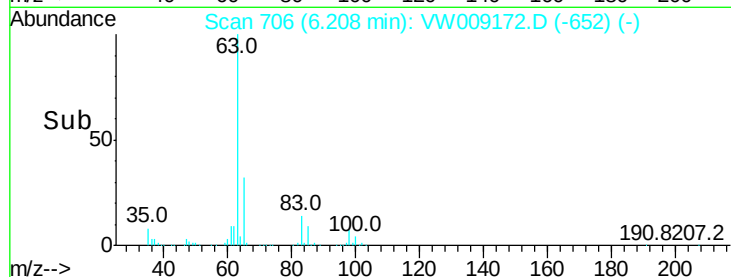
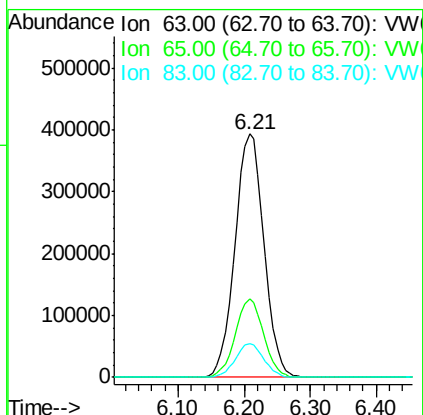
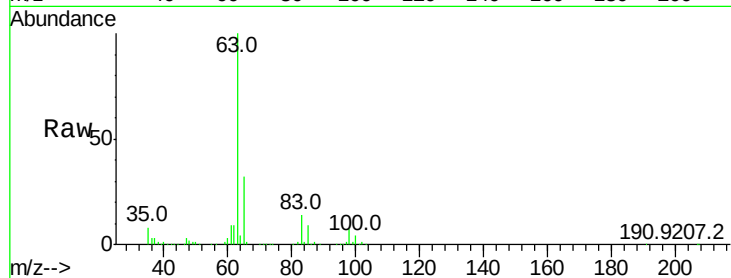




#19
 1,1-Dichloroethane
 Concen: 105.262 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW009172.D
 Acq: 14 Mar 2019 15:59

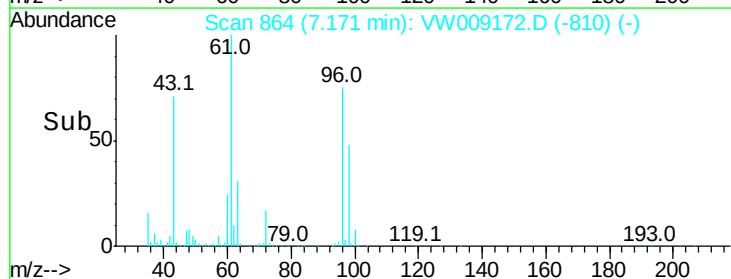
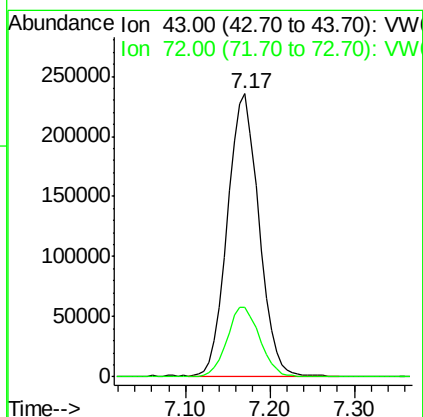
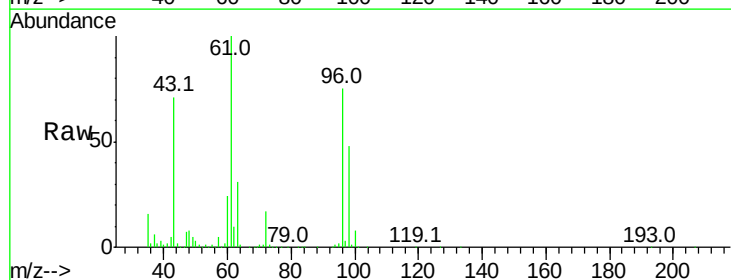
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

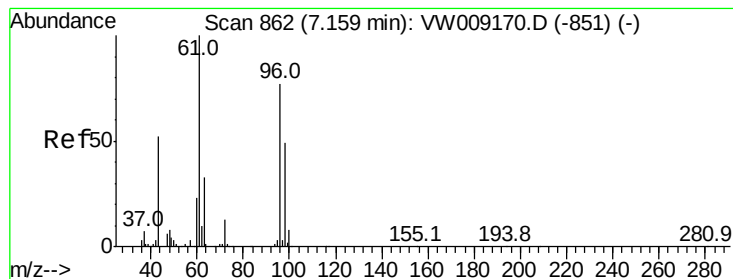
Tgt Ion: 63 Resp: 1196210
 Ion Ratio Lower Upper
 63 100
 65 32.0 21.6 40.0
 83 14.0 10.1 18.7



#21
 2-Butanone
 Concen: 199.903 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW009172.D
 Acq: 14 Mar 2019 15:59

Tgt Ion: 43 Resp: 599967
 Ion Ratio Lower Upper
 43 100
 72 25.5 13.1 39.1



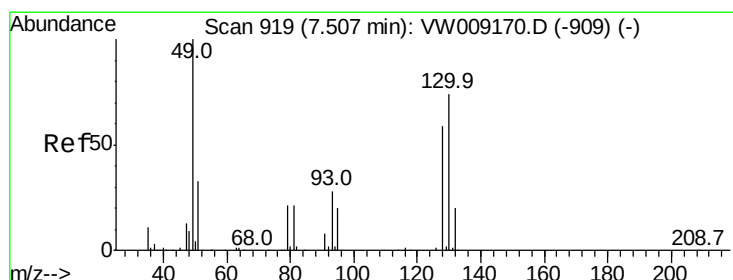
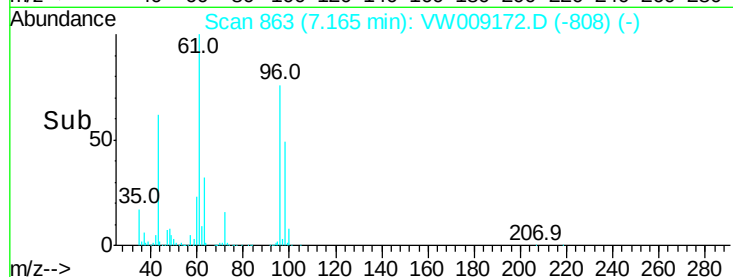
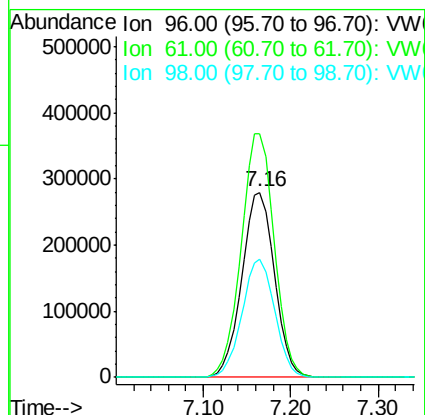
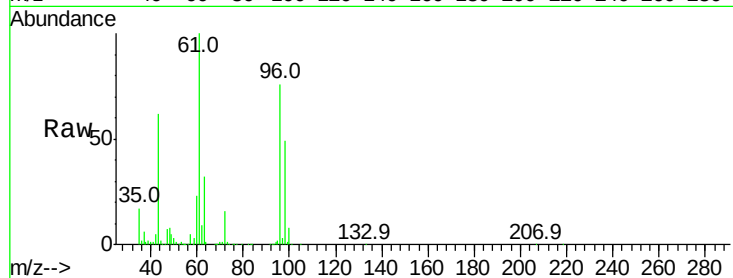


#22

cis-1,2-Dichloroethene
Concen: 101.177 ug/L
RT: 7.16 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW009172.D
Acq: 14 Mar 2019 15:59

Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

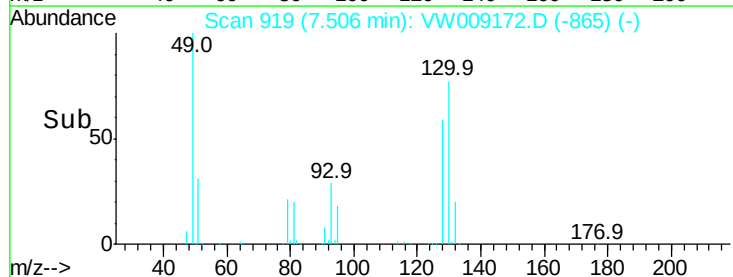
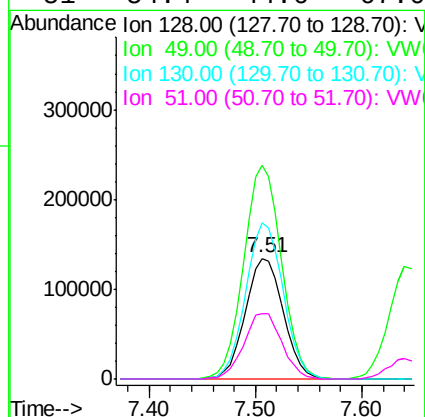
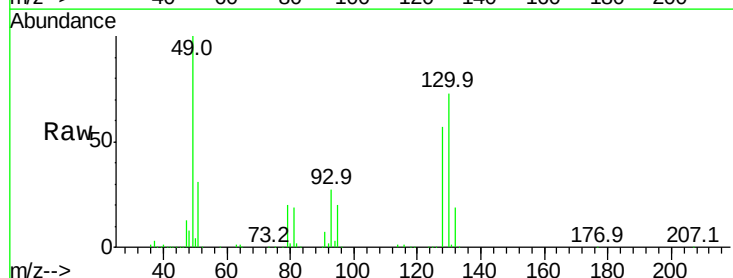
Tgt Ion: 96 Resp: 726289
Ion Ratio Lower Upper
96 100
61 131.4 90.6 168.3
98 63.9 44.0 81.8

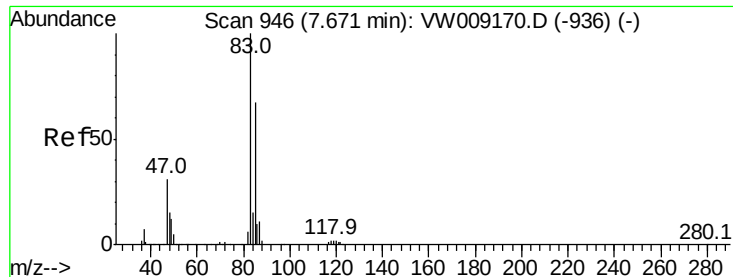


#23

Bromochloromethane
Concen: 102.849 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW009172.D
Acq: 14 Mar 2019 15:59

Tgt Ion: 128 Resp: 337816
Ion Ratio Lower Upper
128 100
49 176.6 118.4 219.8
130 129.3 87.8 163.2
51 54.4 44.6 67.0





#25

Chloroform

Concen: 104.601 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

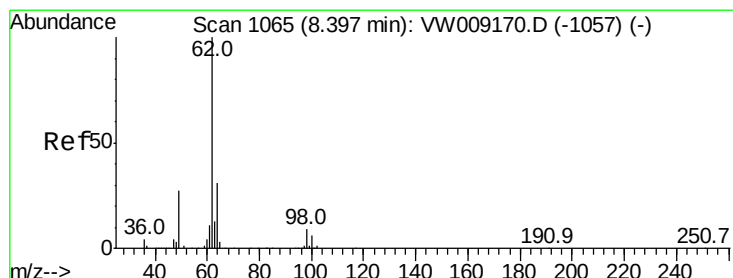
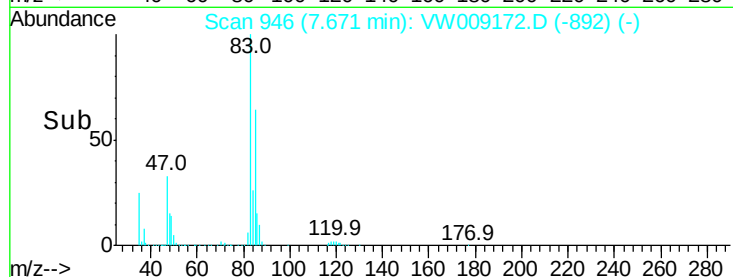
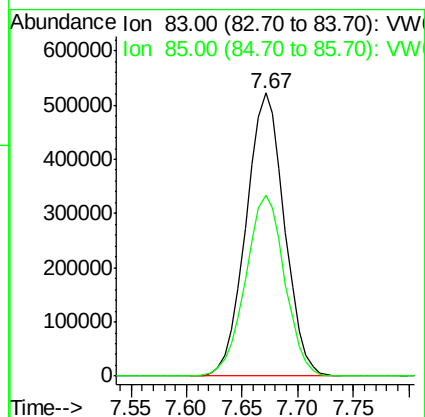
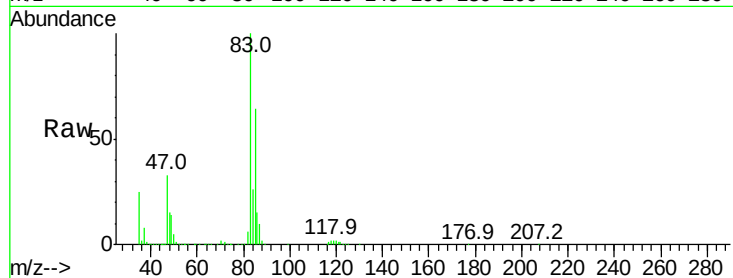
VSTD10005

Tgt Ion: 83 Resp: 1251335

Ion Ratio Lower Upper

83 100

85 65.2 46.0 85.4



#27

1,2-Dichloroethane

Concen: 108.420 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW009172.D

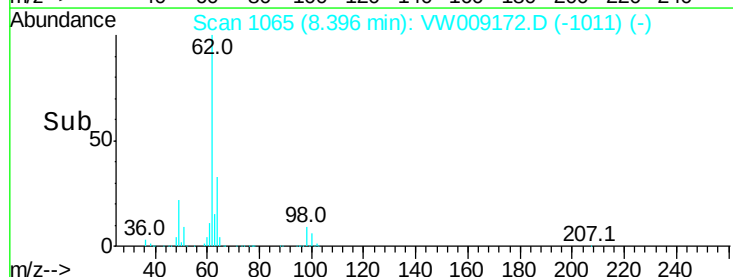
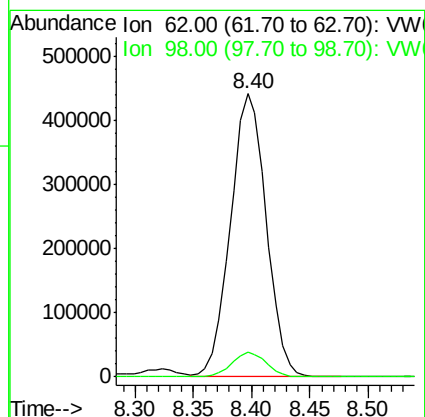
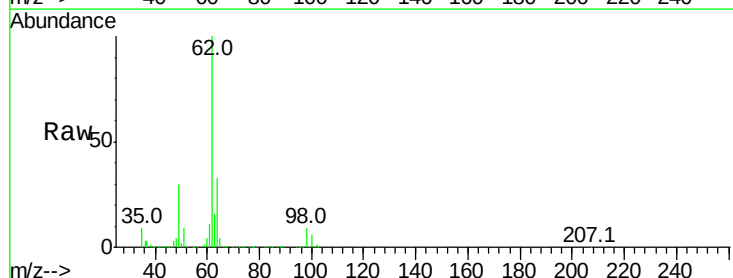
Acq: 14 Mar 2019 15:59

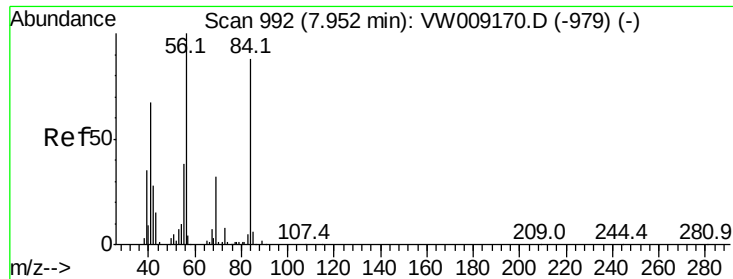
Tgt Ion: 62 Resp: 943251

Ion Ratio Lower Upper

62 100

98 8.8 7.3 10.9

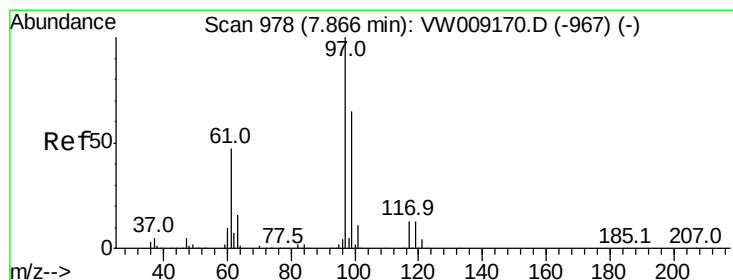
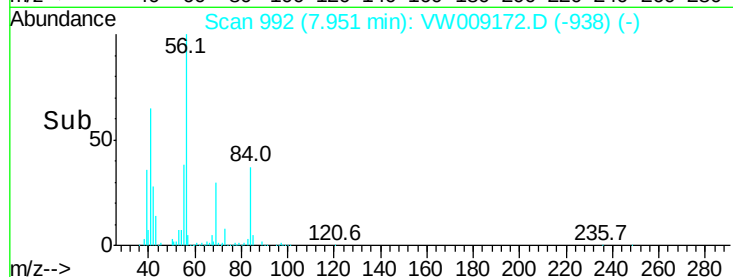
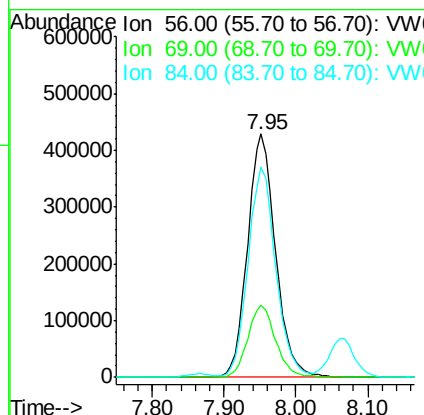
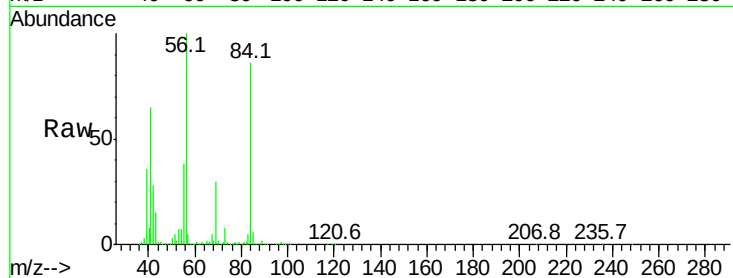




#30
Cyclohexane
Concen: 105.447 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009172.D
Acq: 14 Mar 2019 15:59

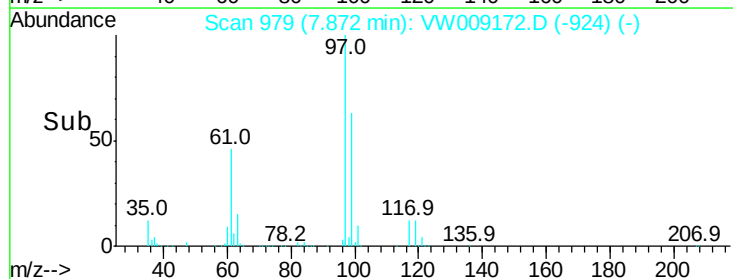
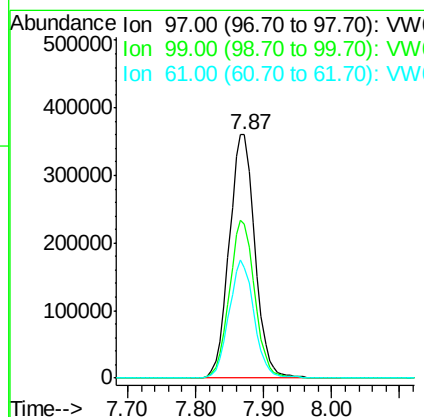
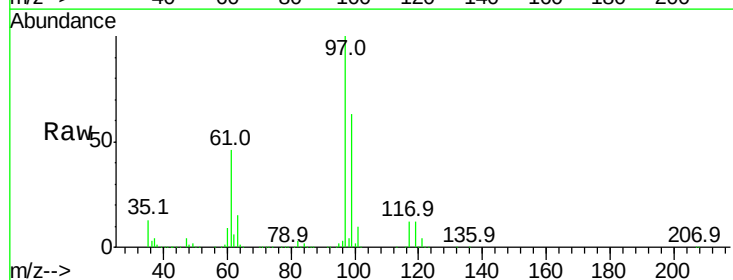
Instrument :
MSVOA_W
ClientSampled :
VSTD10005

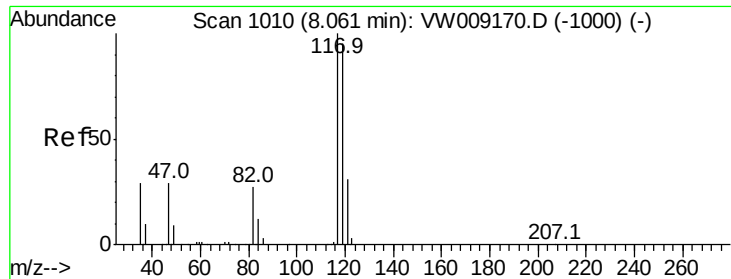
Tgt Ion: 56 Resp: 1152942
Ion Ratio Lower Upper
56 100
69 29.7 24.0 36.0
84 86.2 69.2 103.8



#31
1,1,1-Trichloroethane
Concen: 88.108 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW009172.D
Acq: 14 Mar 2019 15:59

Tgt Ion: 97 Resp: 944890
Ion Ratio Lower Upper
97 100
99 64.0 51.2 76.8
61 46.8 38.4 57.6





#32

Carbon tetrachloride

Concen: 101.635 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

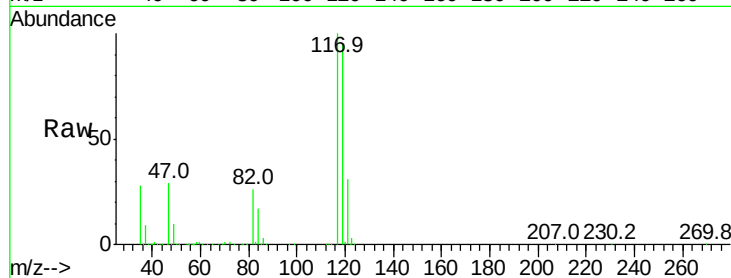
VSTD10005

Tgt Ion:117 Resp: 996119

Ion Ratio Lower Upper

117 100

119 95.1 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

400000

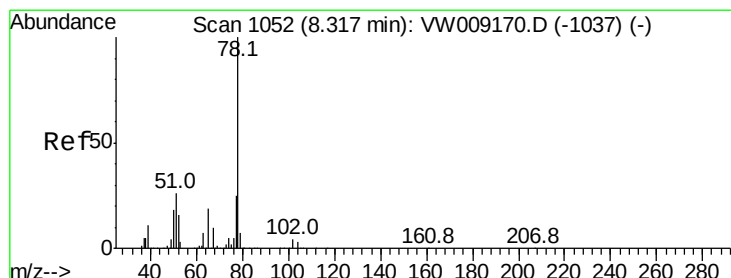
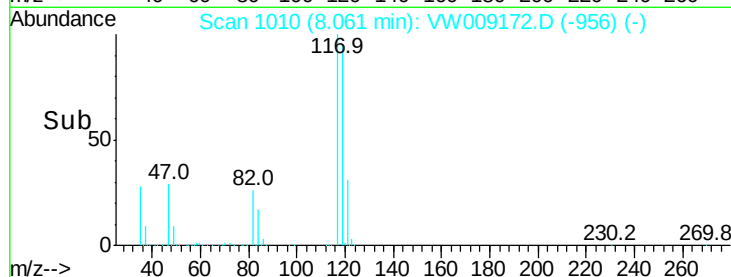
300000

200000

100000

0

Time--> 7.90 8.00 8.10 8.20



#34

Benzene

Concen: 105.918 ug/L

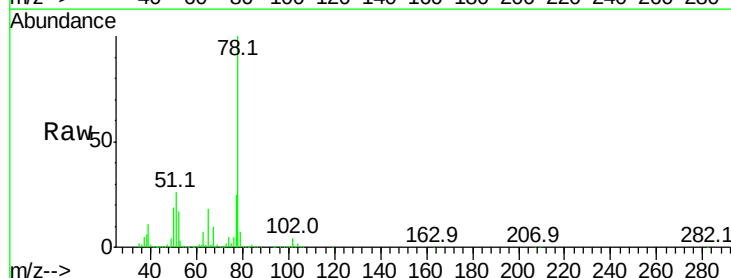
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

Tgt Ion: 78 Resp: 2669210



Abundance Ion 78.00 (77.70 to 78.70): VW

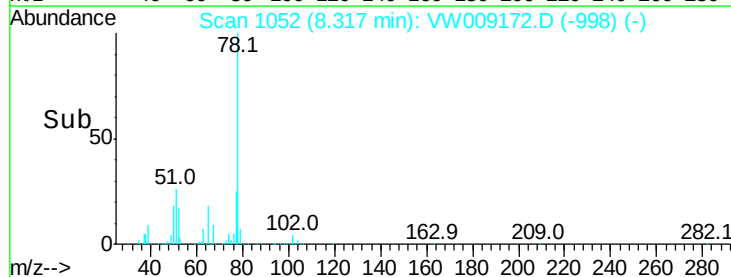
8.32

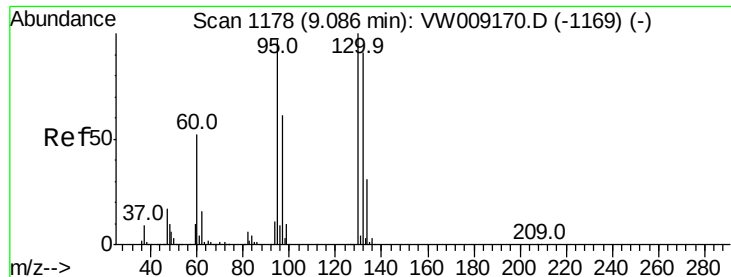
1000000

500000

0

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 104.510 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

Tgt Ion: 95 Resp: 710874

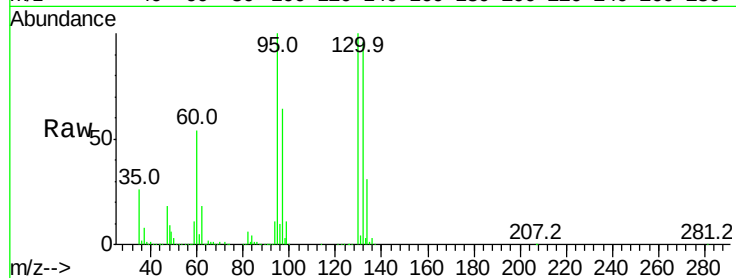
Ion Ratio Lower Upper

95 100

97 64.0 44.7 82.9

132 97.1 69.0 128.2

130 102.1 72.7 134.9

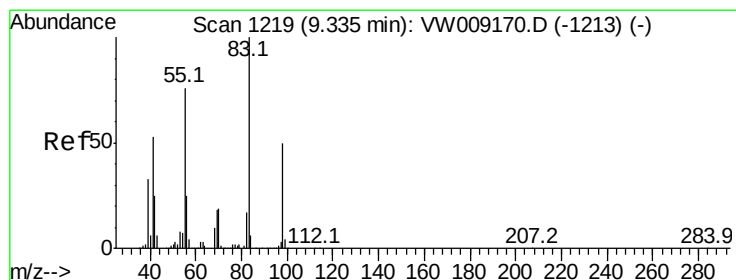
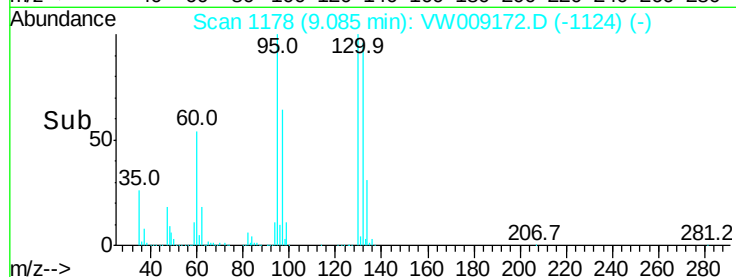
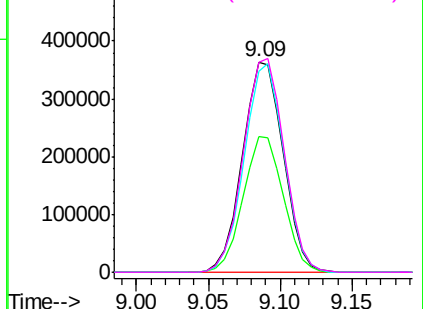


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 103.337 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

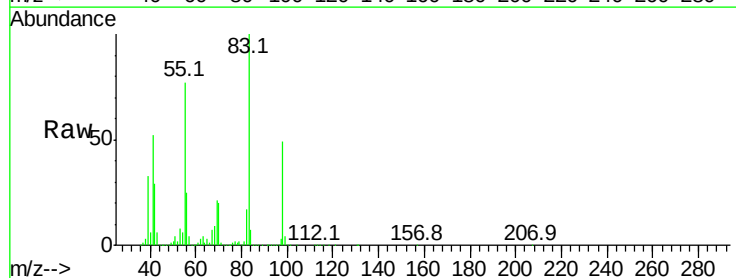
Tgt Ion: 83 Resp: 1247224

Ion Ratio Lower Upper

83 100

55 79.0 63.5 95.3

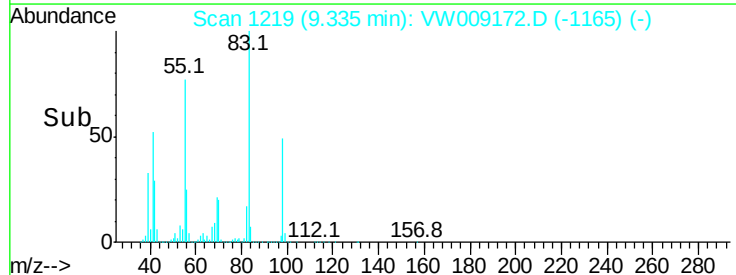
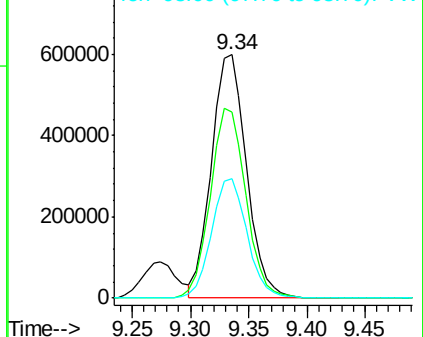
98 49.9 39.8 59.8

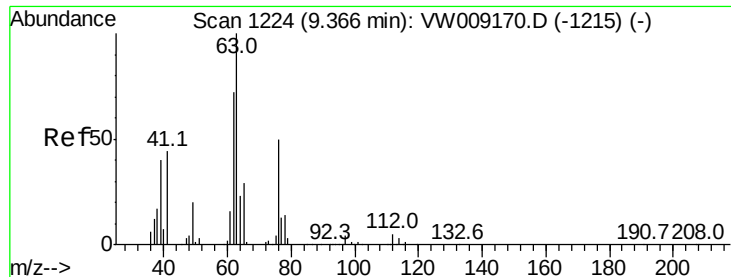


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 108.477 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

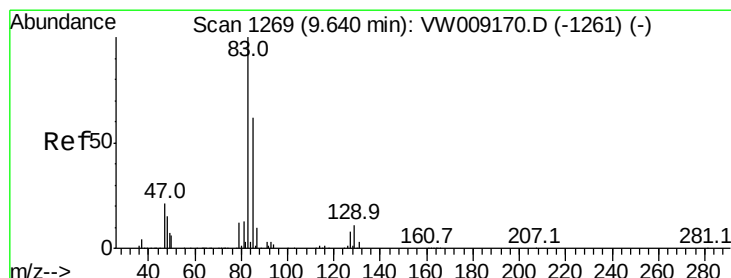
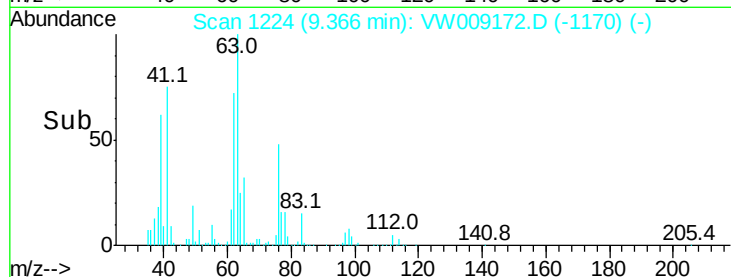
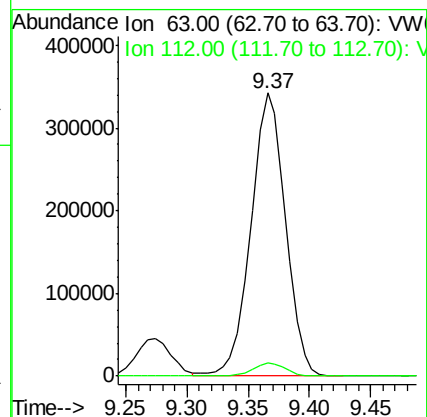
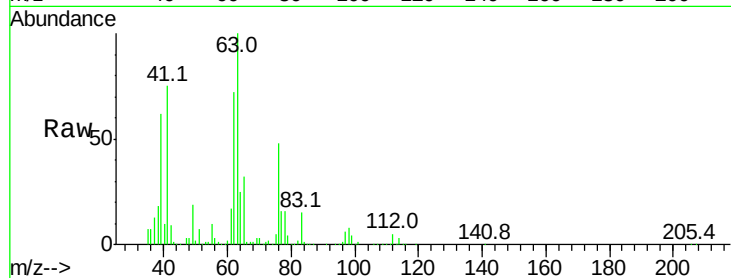
VSTD10005

Tgt Ion: 63 Resp: 675287

Ion Ratio Lower Upper

63 100

112 4.5 4.0 6.0



#41

Bromodichloromethane

Concen: 114.591 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

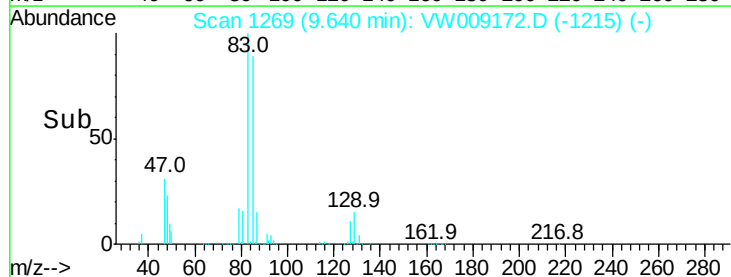
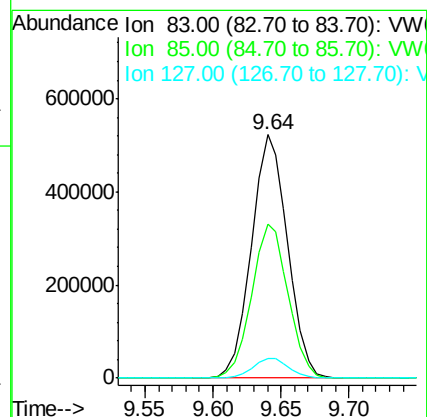
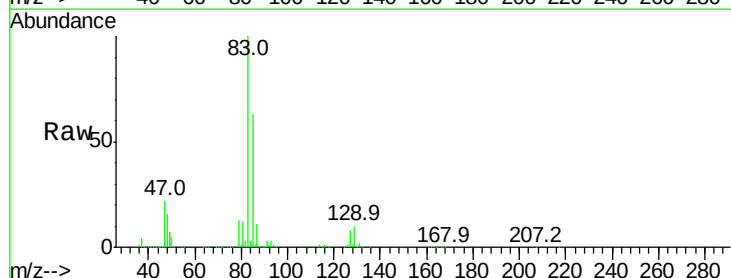
Tgt Ion: 83 Resp: 969956

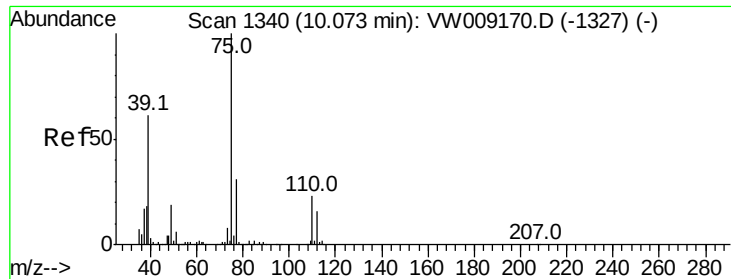
Ion Ratio Lower Upper

83 100

85 63.1 43.5 80.7

127 8.0 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 116.093 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

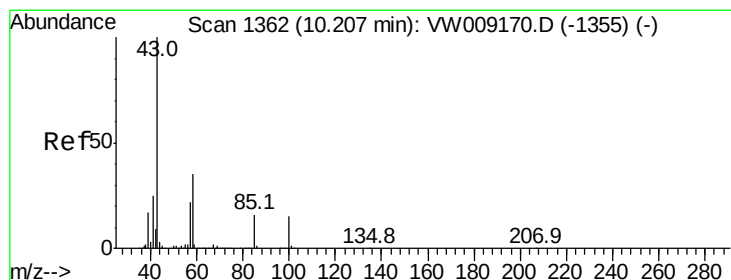
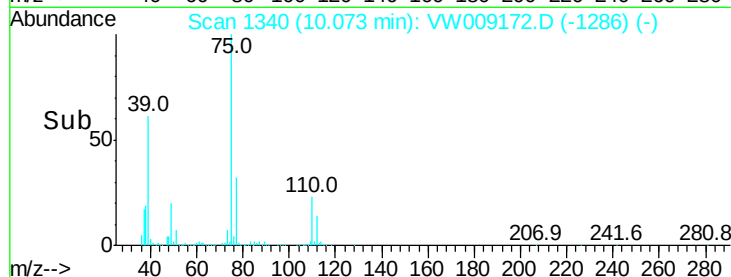
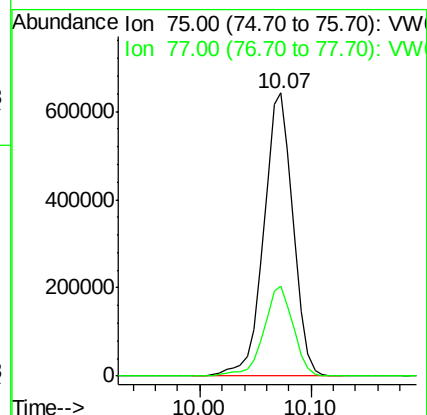
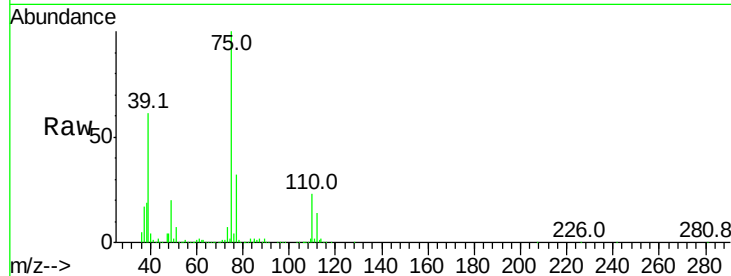
VSTD10005

Tgt Ion: 75 Resp: 1172285

Ion Ratio Lower Upper

75 100

77 32.0 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 228.147 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

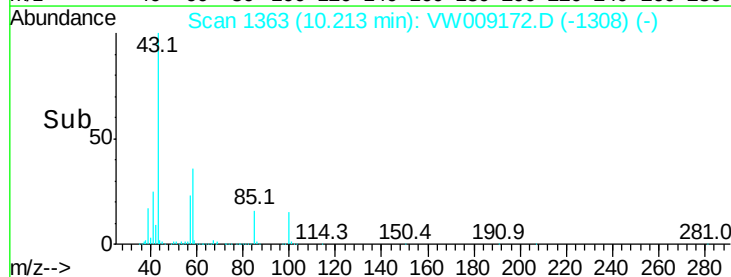
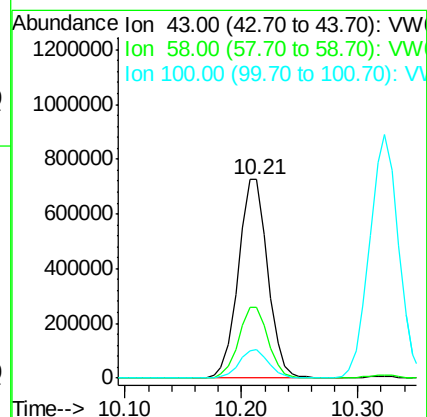
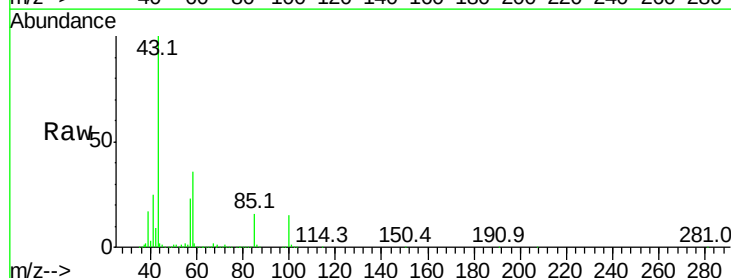
Tgt Ion: 43 Resp: 1282612

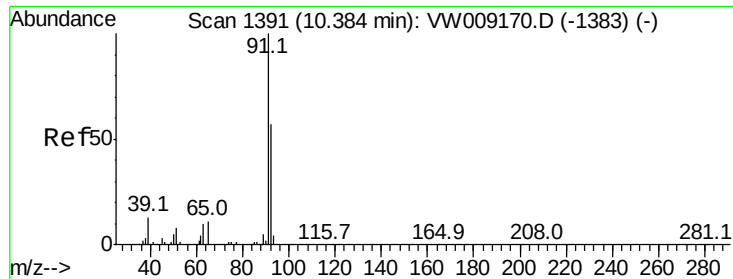
Ion Ratio Lower Upper

43 100

58 35.8 28.2 42.2

100 14.3 11.4 17.2





#44

Toluene

Concen: 102.299 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

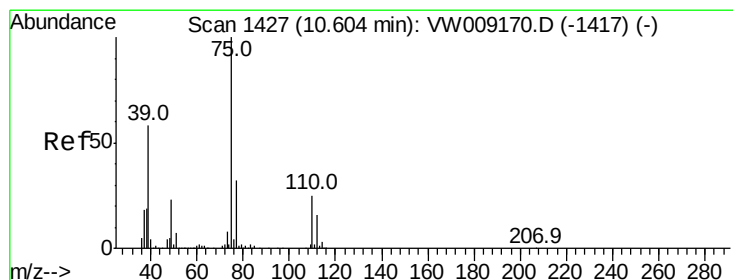
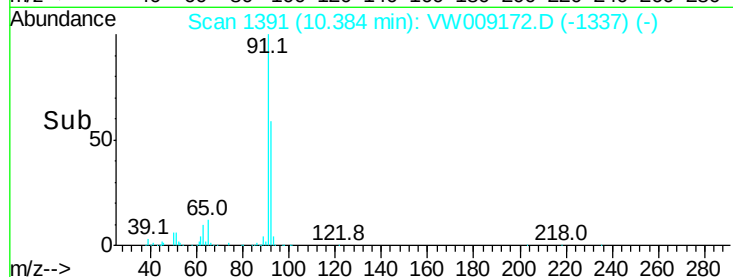
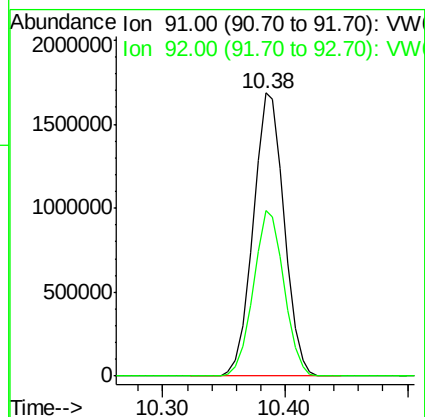
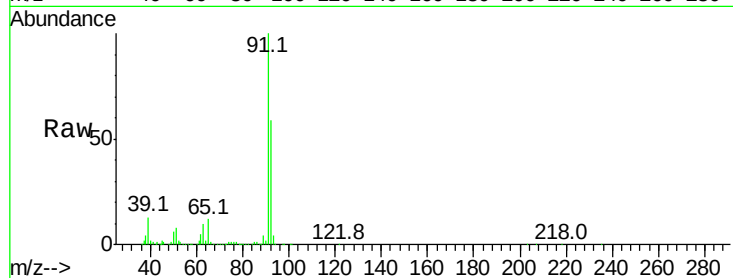
VSTD10005

Tgt Ion: 91 Resp: 2963741

Ion Ratio Lower Upper

91 100

92 58.7 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 114.462 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009172.D

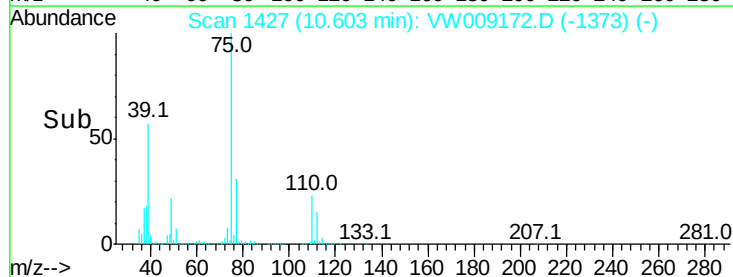
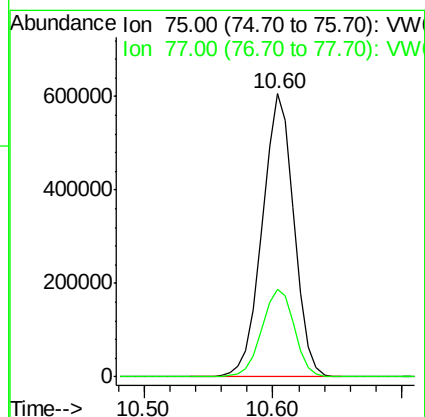
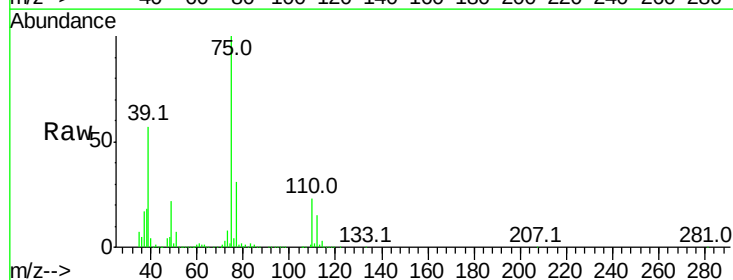
Acq: 14 Mar 2019 15:59

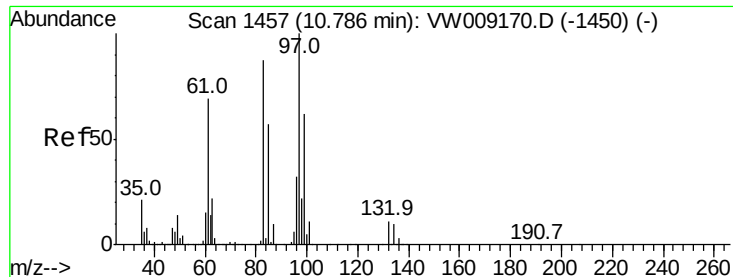
Tgt Ion: 75 Resp: 1032098

Ion Ratio Lower Upper

75 100

77 31.0 22.5 41.7

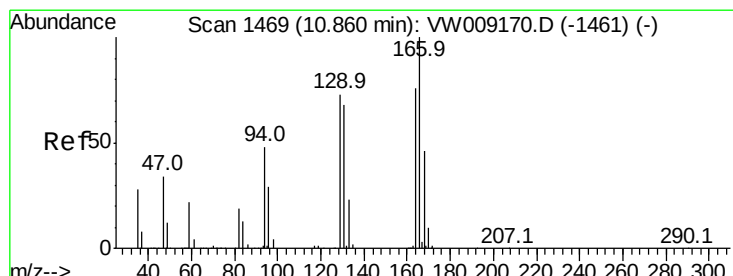
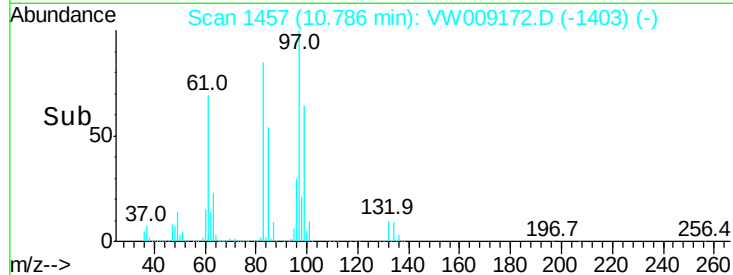
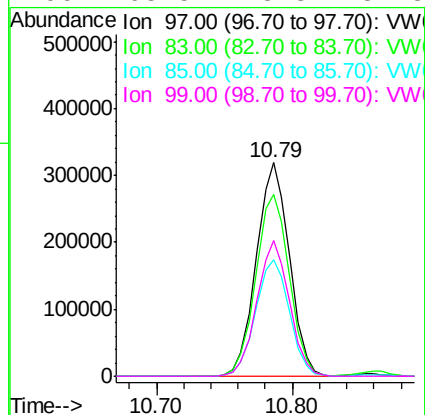
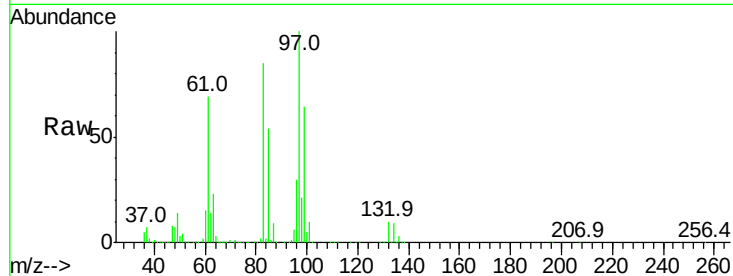




#46
 1,1,2-Trichloroethane
 Concen: 104.458 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW009172.D
 Acq: 14 Mar 2019 15:59

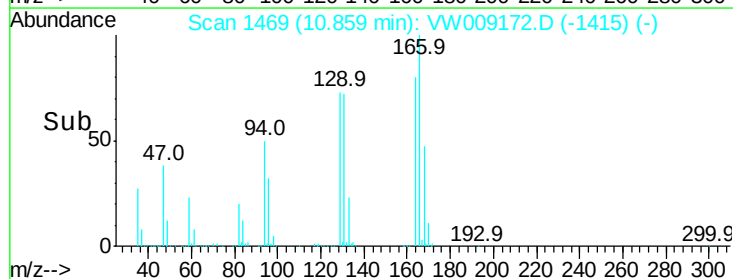
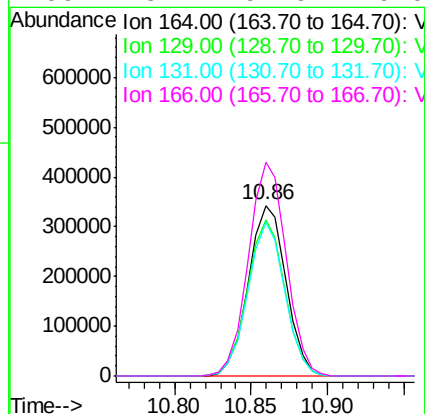
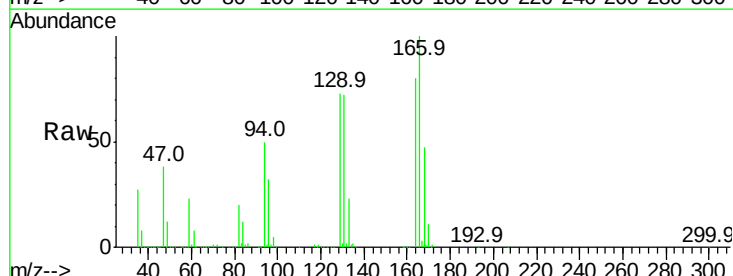
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

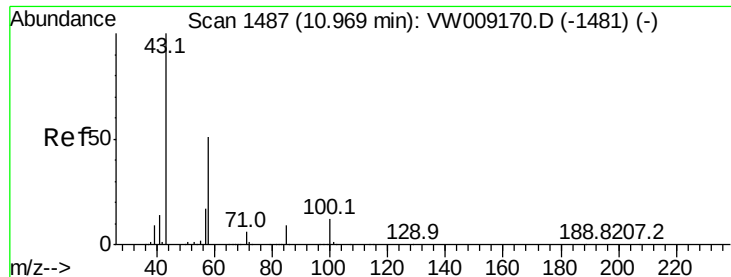
Tgt Ion: 97 Resp: 543684
 Ion Ratio Lower Upper
 97 100
 83 85.0 60.7 112.7
 85 54.5 40.1 74.5
 99 63.5 43.8 81.3



#47
 Tetrachloroethene
 Concen: 94.926 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW009172.D
 Acq: 14 Mar 2019 15:59

Tgt Ion: 164 Resp: 587814
 Ion Ratio Lower Upper
 164 100
 129 91.7 66.5 123.5
 131 90.1 62.6 116.3
 166 125.1 91.6 170.0





#49

2-Hexanone

Concen: 218.858 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

Tgt Ion: 43 Resp: 965103

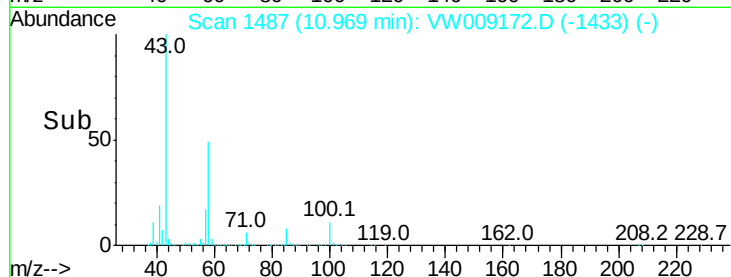
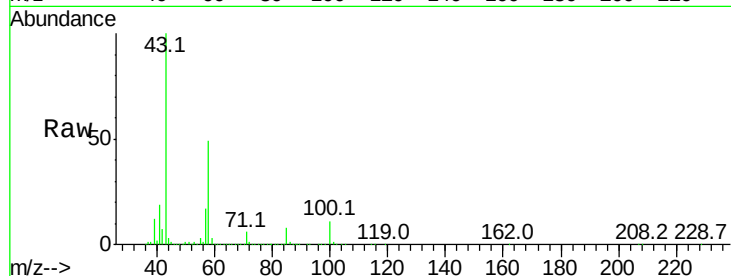
Ion Ratio Lower Upper

43 100

58 49.7 39.2 58.8

57 17.4 14.2 21.2

100 11.1 8.9 13.3

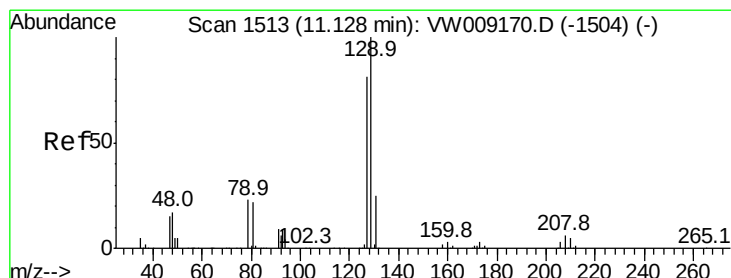
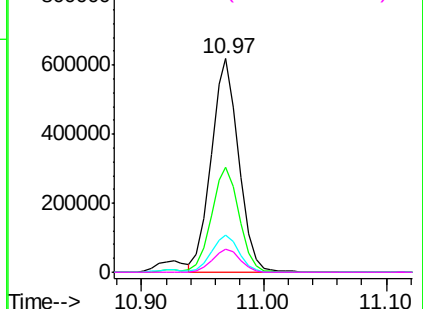


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 112.044 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW009172.D

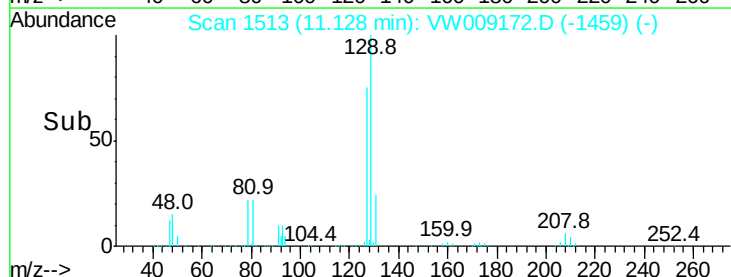
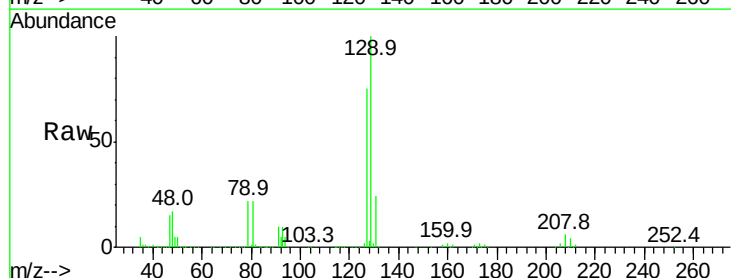
Acq: 14 Mar 2019 15:59

Tgt Ion: 129 Resp: 706971

Ion Ratio Lower Upper

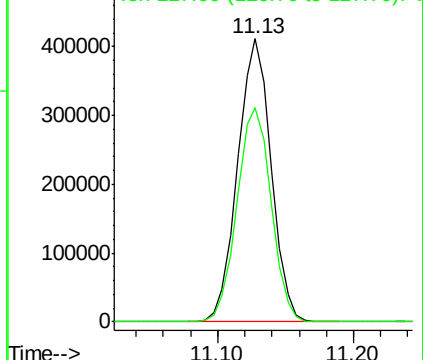
129 100

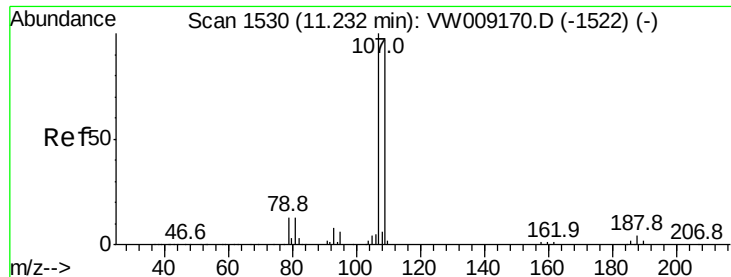
127 75.5 56.8 105.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

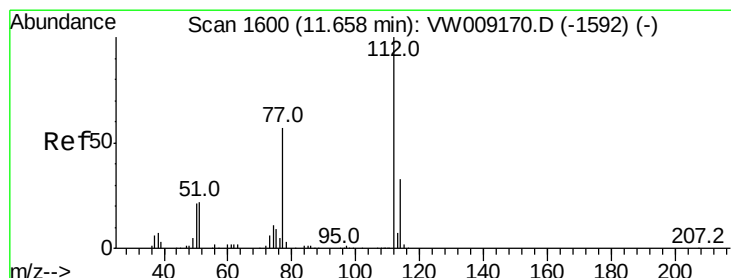
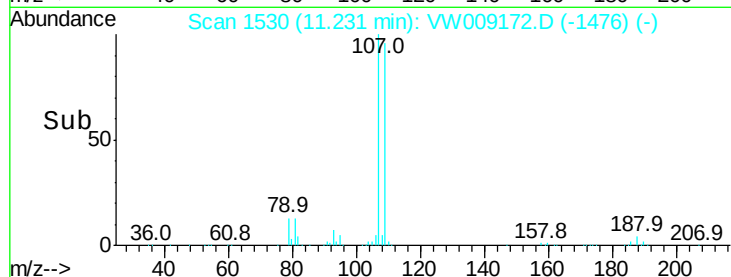
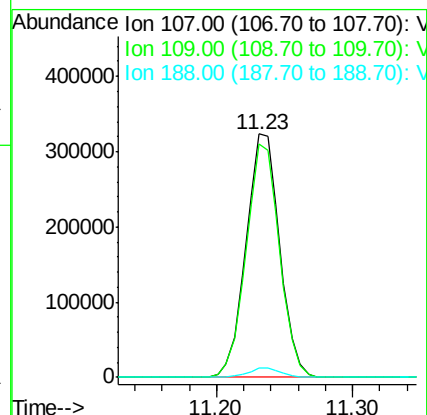
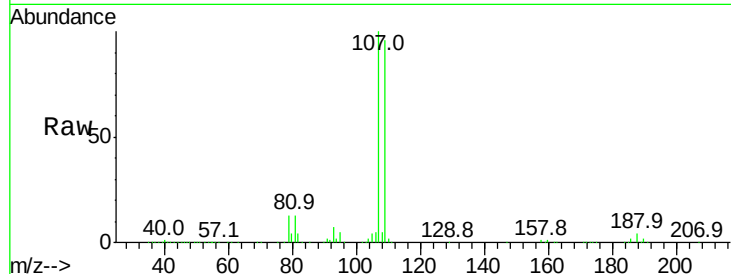




#51
 1,2-Dibromoethane
 Concen: 106.194 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW009172.D
 Acq: 14 Mar 2019 15:59

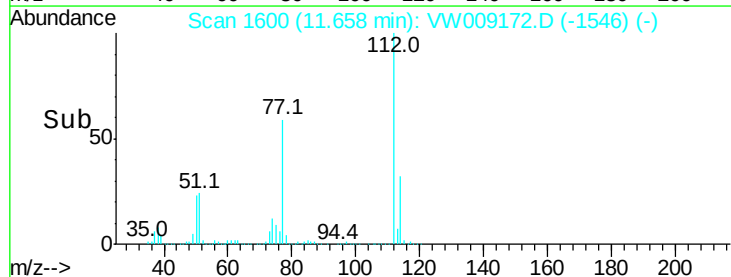
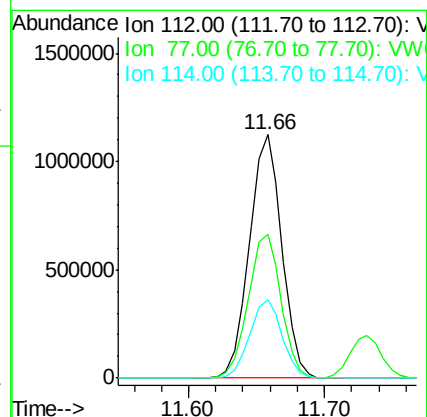
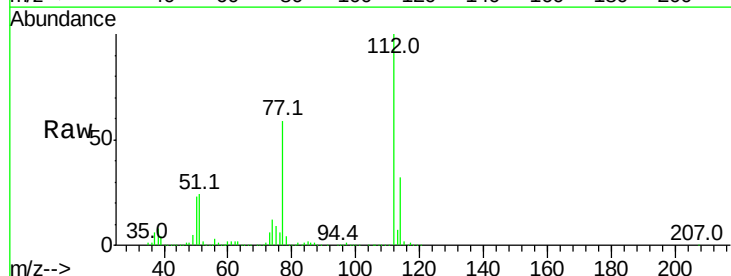
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

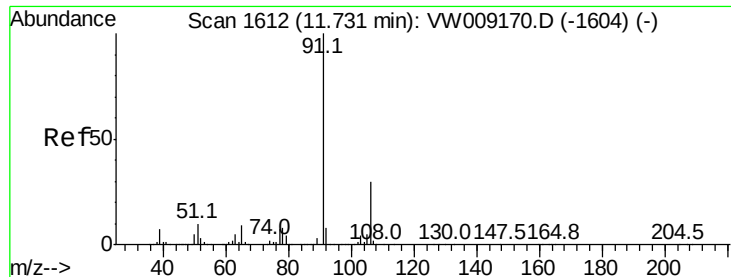
Tgt Ion:107 Resp: 559092
 Ion Ratio Lower Upper
 107 100
 109 96.0 68.0 126.4
 188 4.1 3.5 5.3



#52
 Chlorobenzene
 Concen: 95.933 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW009172.D
 Acq: 14 Mar 2019 15:59

Tgt Ion:112 Resp: 1870564
 Ion Ratio Lower Upper
 112 100
 77 59.3 45.7 68.5
 114 32.0 22.8 42.4





#53

Ethylbenzene

Concen: 101.631 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

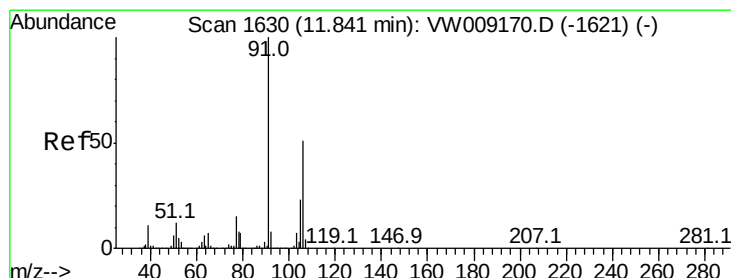
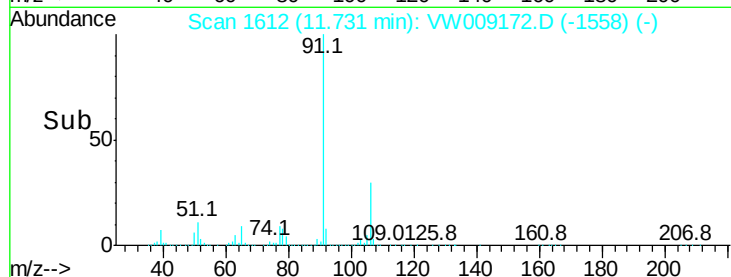
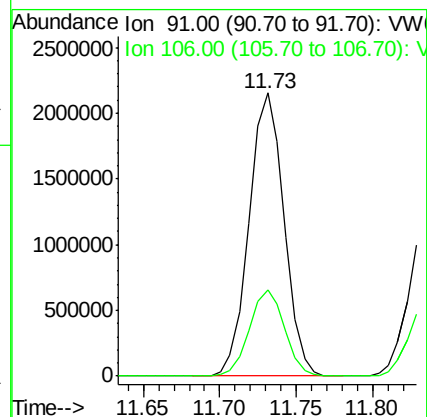
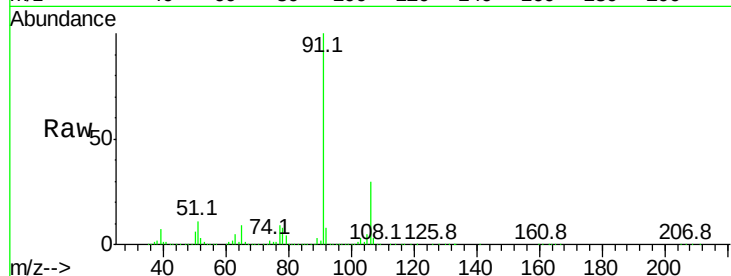
VSTD10005

Tgt Ion: 91 Resp: 3421143

Ion Ratio Lower Upper

91 100

106 30.4 21.0 39.0



#54

m,p-Xylene

Concen: 97.520 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009172.D

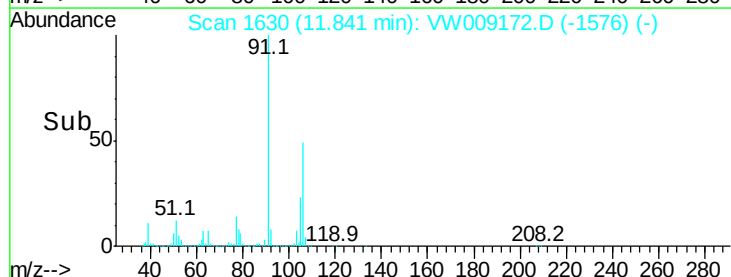
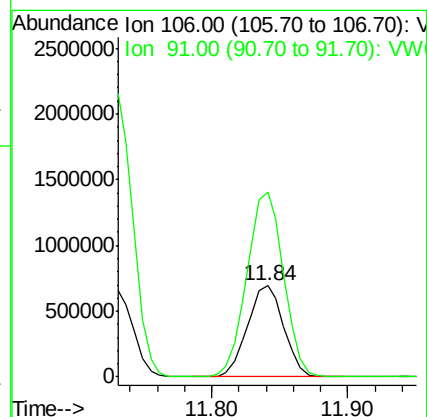
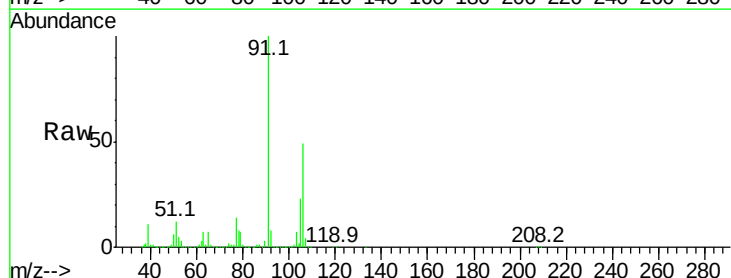
Acq: 14 Mar 2019 15:59

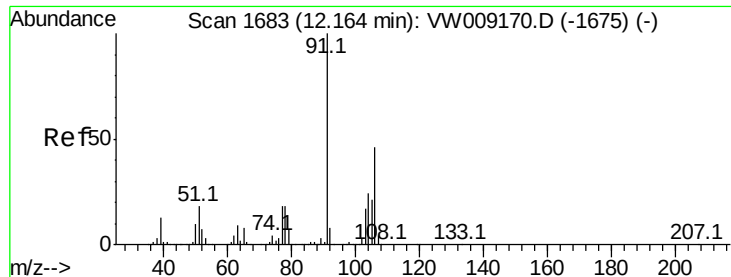
Tgt Ion: 106 Resp: 1290869

Ion Ratio Lower Upper

106 100

91 202.0 138.4 257.0

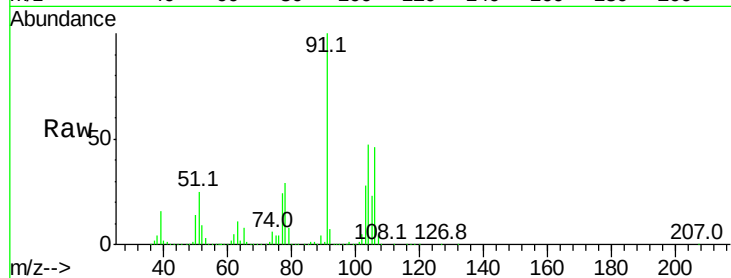




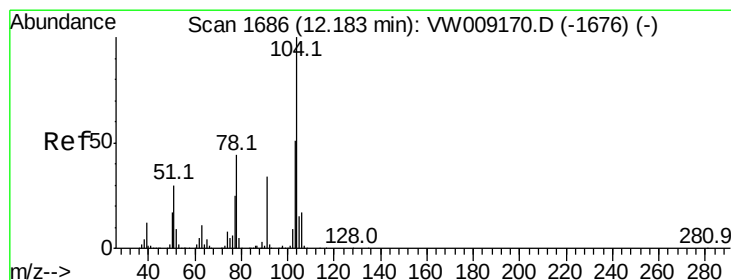
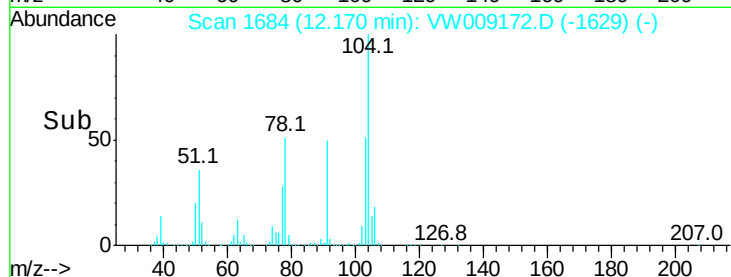
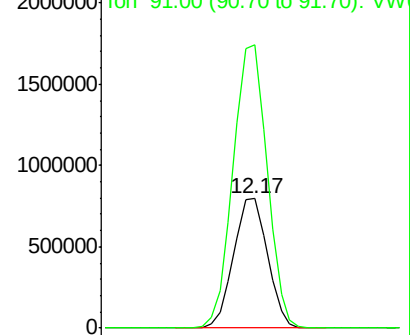
#55
o-xylene
Concen: 102.459 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW009172.D
Acq: 14 Mar 2019 15:59

Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

Tgt Ion:106 Resp: 1304706
Ion Ratio Lower Upper
106 100
91 218.3 153.2 284.4

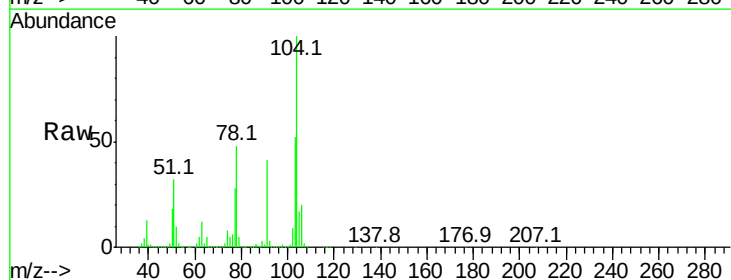


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

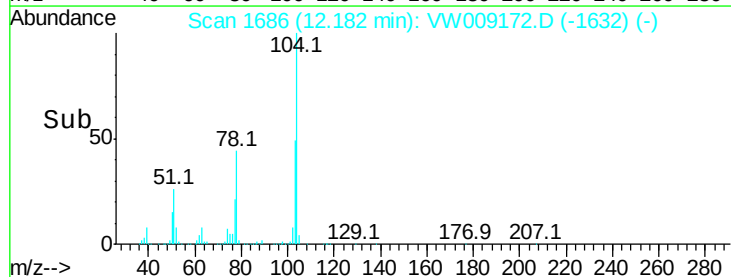
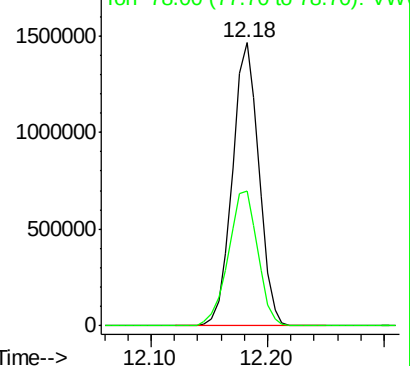


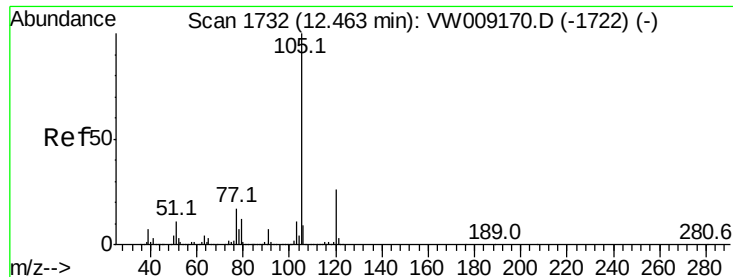
#56
Styrene
Concen: 109.173 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009172.D
Acq: 14 Mar 2019 15:59

Tgt Ion:104 Resp: 2331563
Ion Ratio Lower Upper
104 100
78 47.7 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 103.902 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

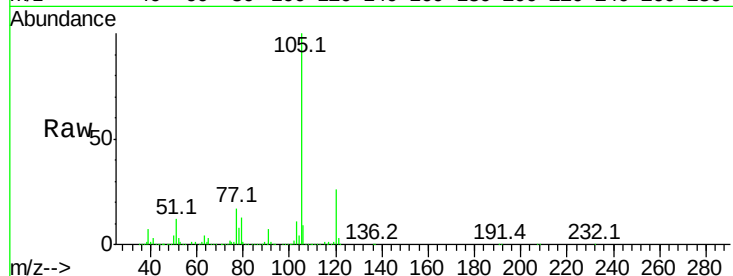
Tgt Ion:105 Resp: 3529503

Ion Ratio Lower Upper

105 100

120 26.1 21.3 31.9

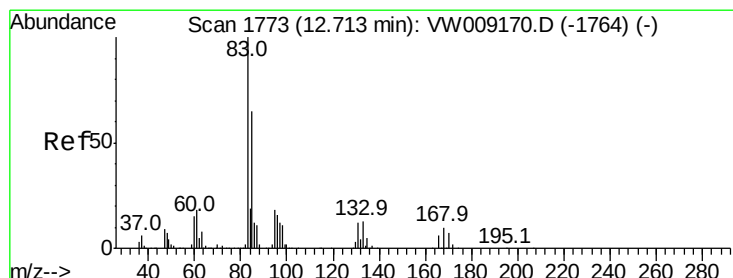
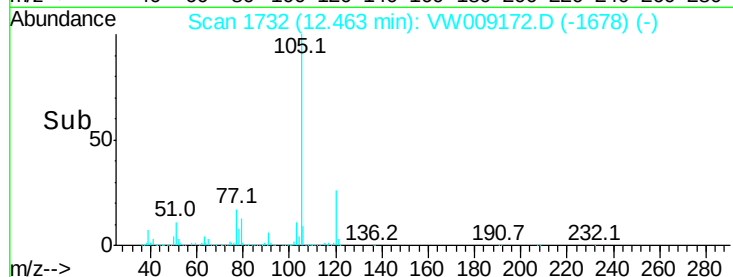
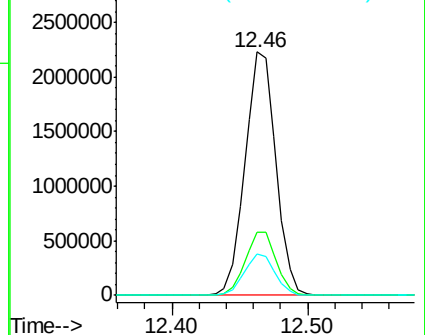
77 16.8 13.1 19.7



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: 107.061 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

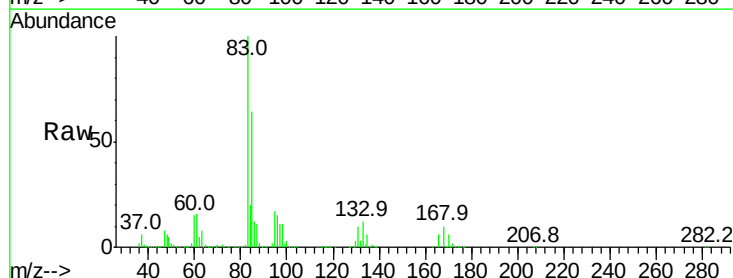
Tgt Ion: 83 Resp: 747583

Ion Ratio Lower Upper

83 100

85 63.8 45.6 84.8

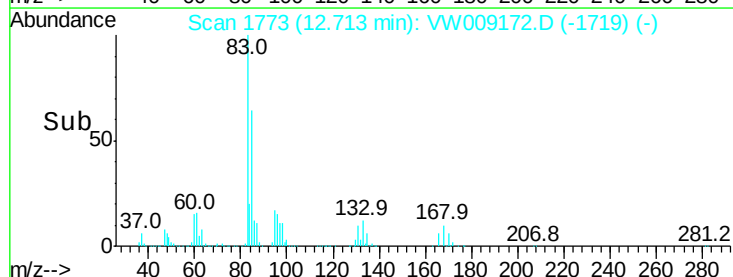
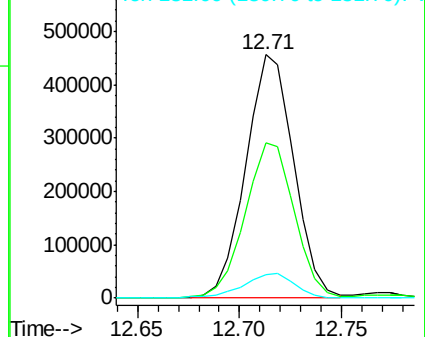
131 9.8 9.2 13.8

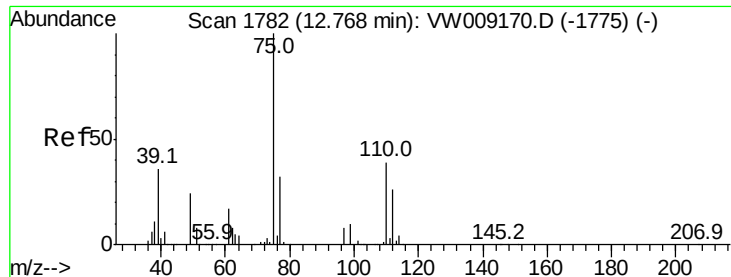


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 106.413 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

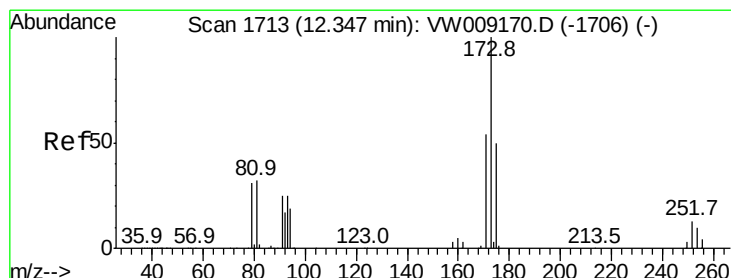
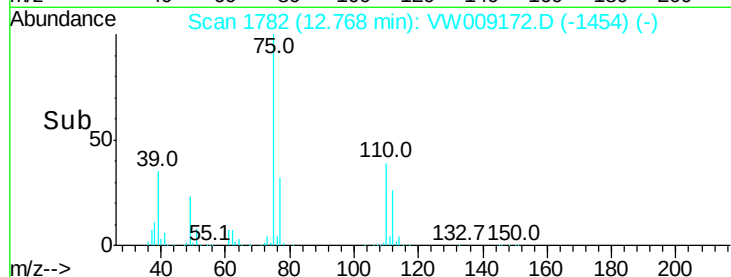
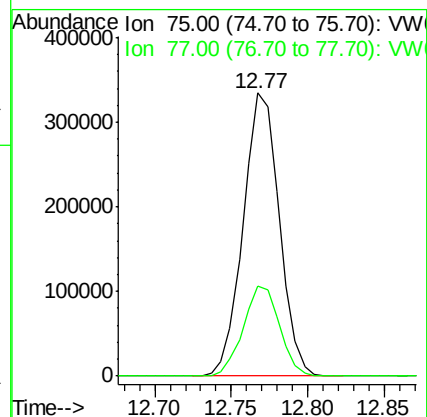
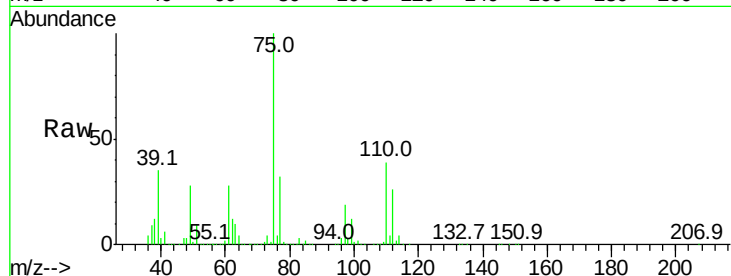
VSTD10005

Tgt Ion: 75 Resp: 549395

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.2



#62

Bromoform

Concen: 123.982 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

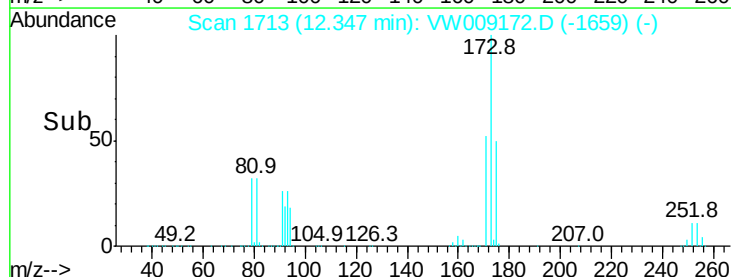
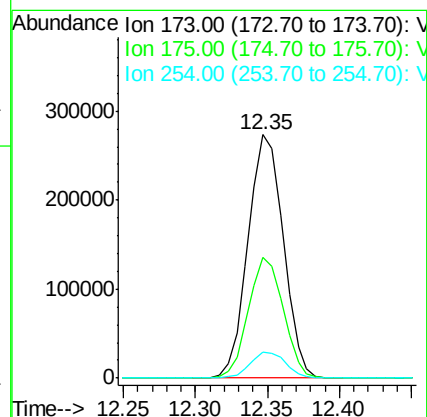
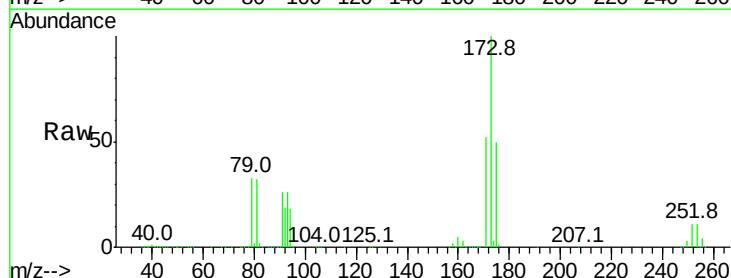
Tgt Ion: 173 Resp: 464568

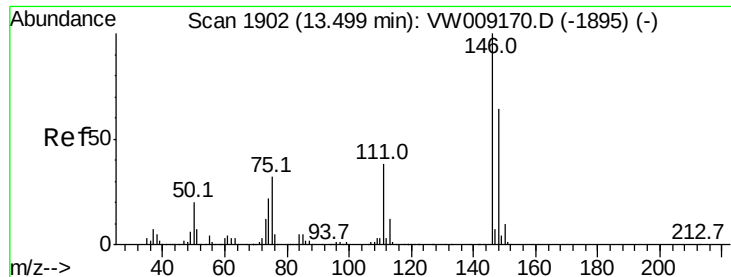
Ion Ratio Lower Upper

173 100

175 49.1 39.7 59.5

254 10.8 8.5 12.7

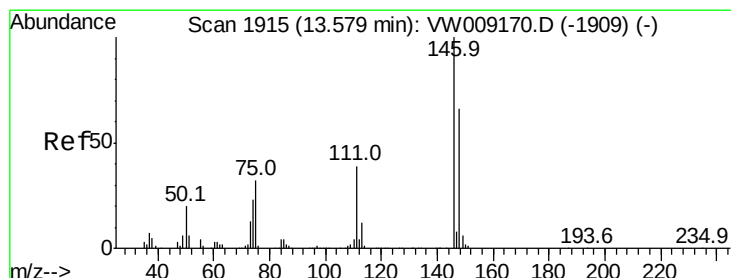
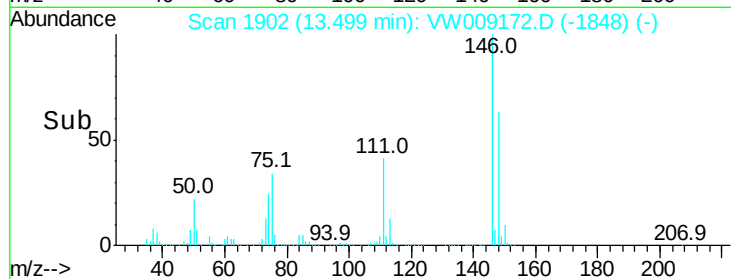
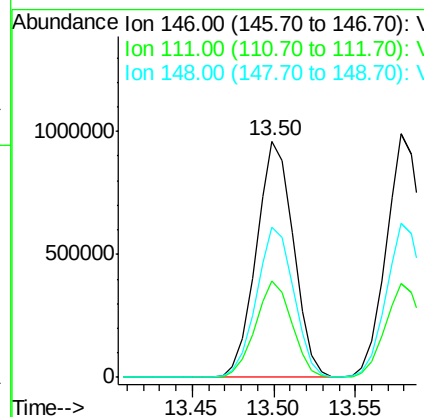
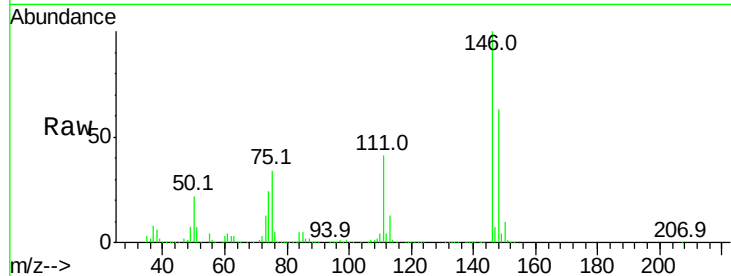




#63
 1,3-Dichlorobenzene
 Concen: 96.496 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009172.D
 Acq: 14 Mar 2019 15:59

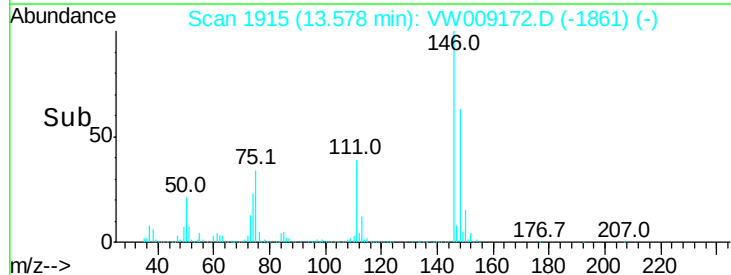
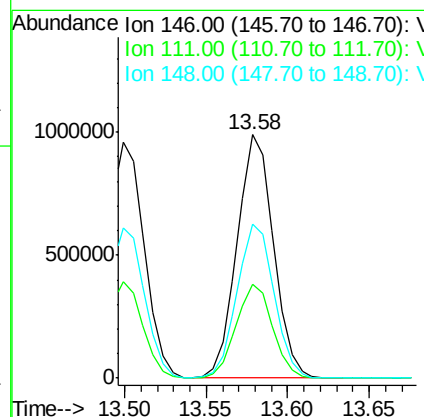
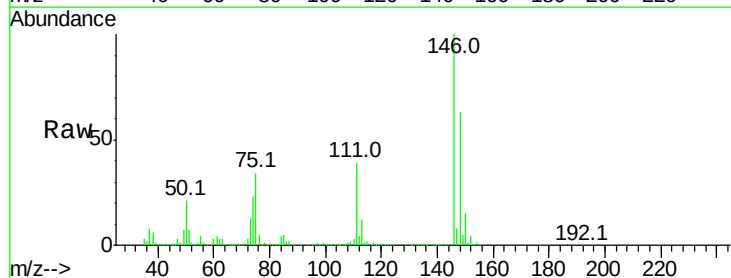
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

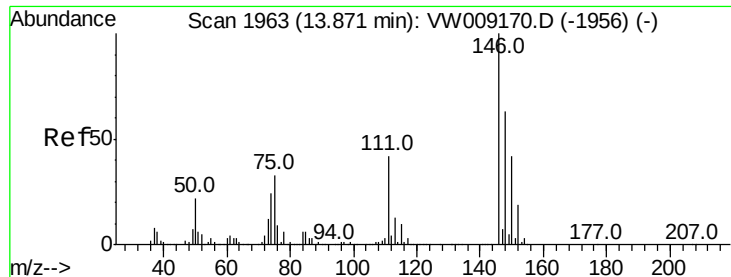
Tgt Ion:146 Resp: 1524311
 Ion Ratio Lower Upper
 146 100
 111 40.8 26.9 49.9
 148 63.5 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 96.053 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009172.D
 Acq: 14 Mar 2019 15:59

Tgt Ion:146 Resp: 1541480
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.8 51.6
 148 63.2 46.3 86.1

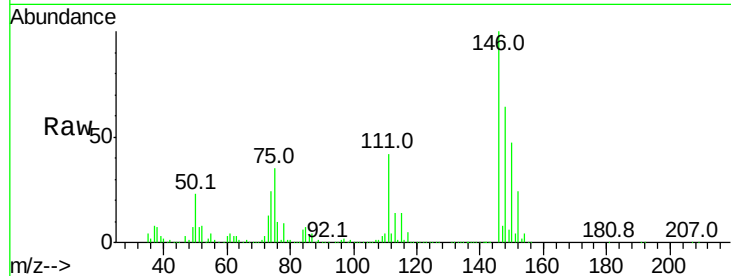




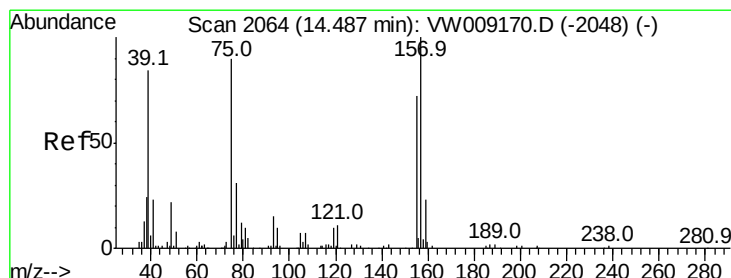
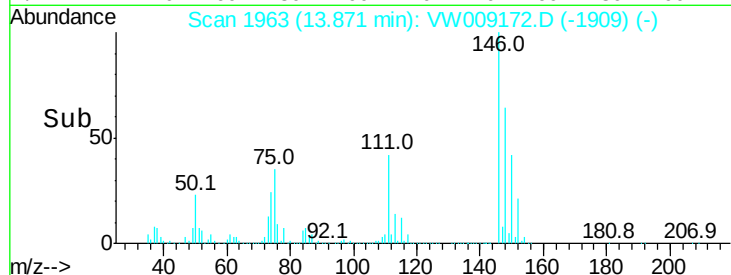
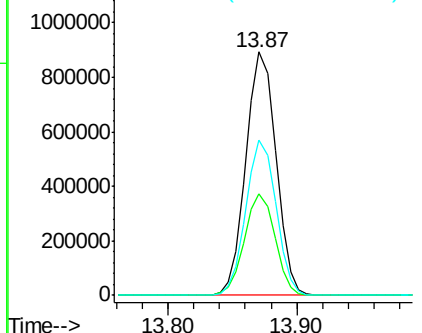
#65
 1,2-Dichlorobenzene
 Concen: 98.761 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009172.D
 Acq: 14 Mar 2019 15:59

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD10005

Tgt Ion: 146 Resp: 1445028
 Ion Ratio Lower Upper
 146 100
 111 41.8 33.5 50.3
 148 64.0 50.2 75.2

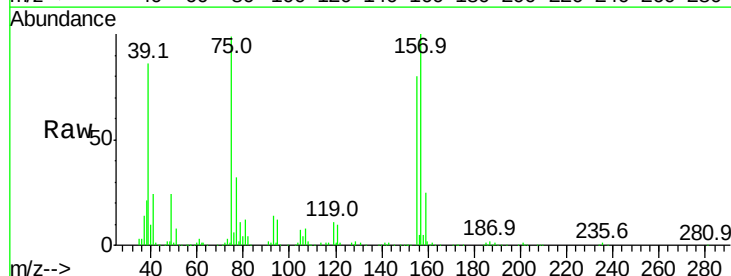


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

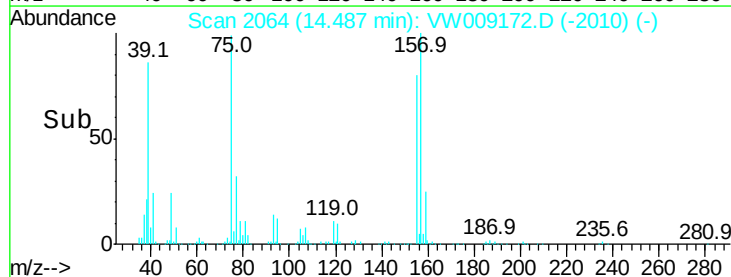
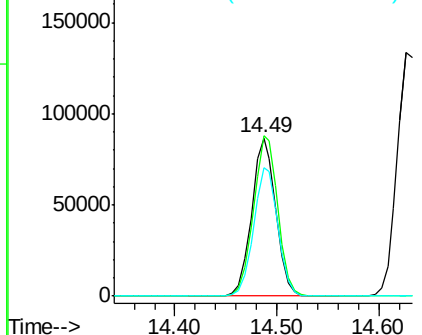


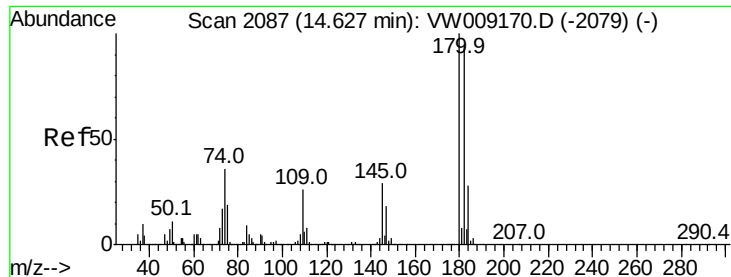
#66
 1,2-Dibromo-3-chloropropane
 Concen: 109.509 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009172.D
 Acq: 14 Mar 2019 15:59

Tgt Ion: 75 Resp: 142271
 Ion Ratio Lower Upper
 75 100
 157 101.5 89.0 133.4
 155 81.0 64.2 96.2



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

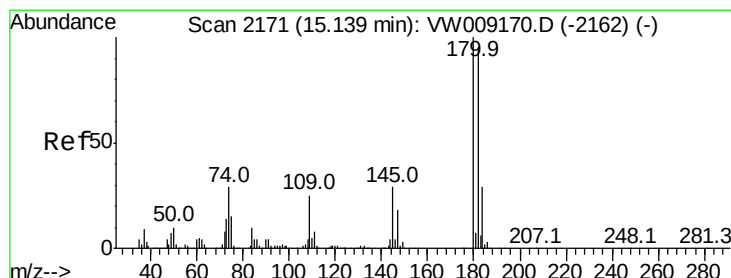
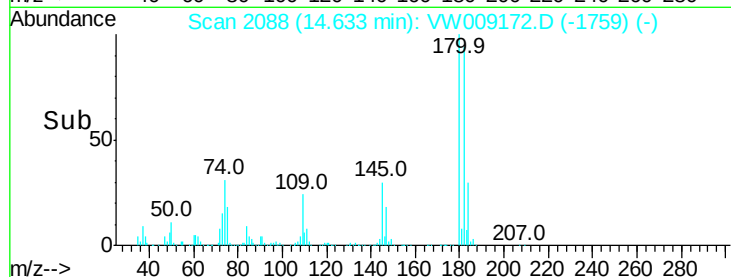
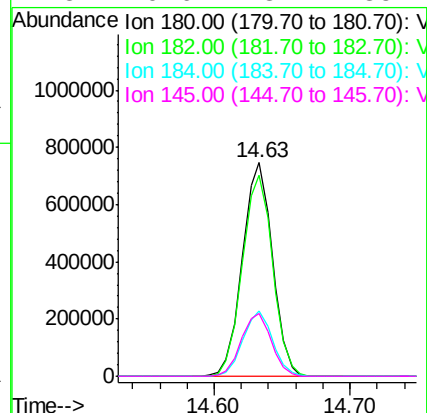
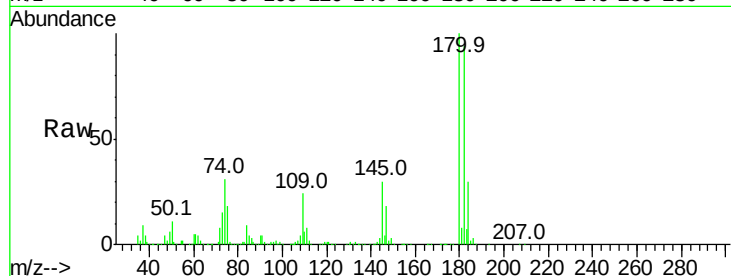




#67
 1,3,5-Trichlorobenzene
 Concen: 92.442 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW009172.D
 Acq: 14 Mar 2019 15:59

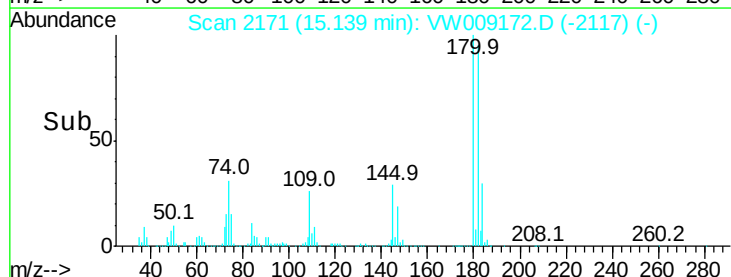
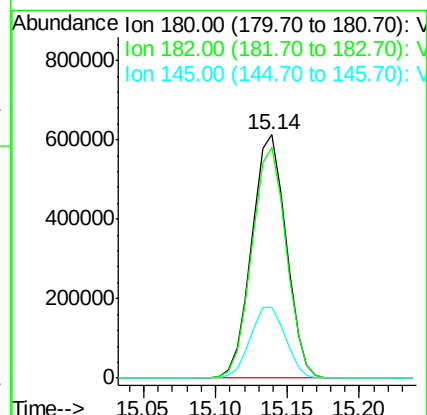
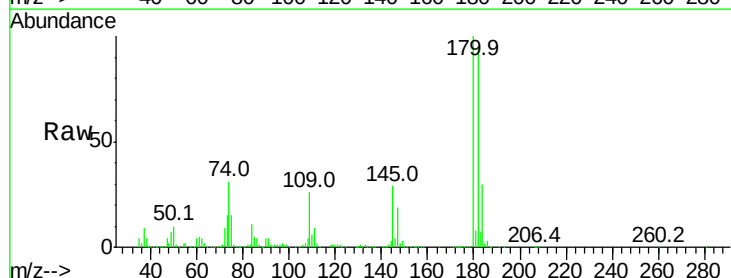
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

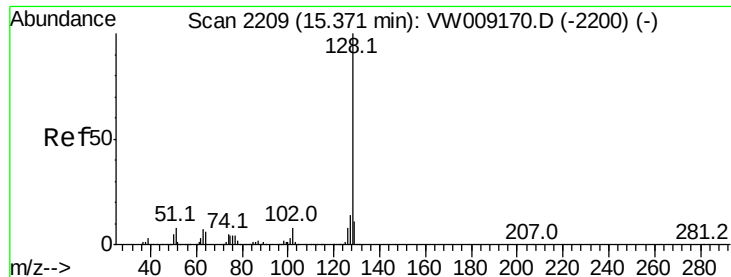
Tgt Ion:180 Resp: 1149736
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.1 114.1
 184 30.2 23.8 35.6
 145 29.6 23.4 35.2



#68
 1,2,4-trichlorobenzene
 Concen: 94.421 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009172.D
 Acq: 14 Mar 2019 15:59

Tgt Ion:180 Resp: 1011531
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.5 113.3
 145 30.0 24.1 36.1





#69

Naphthalene

Concen: 102.649 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

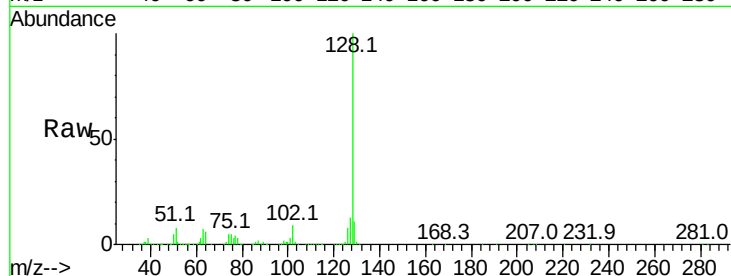
Tgt Ion:128 Resp: 2263938

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

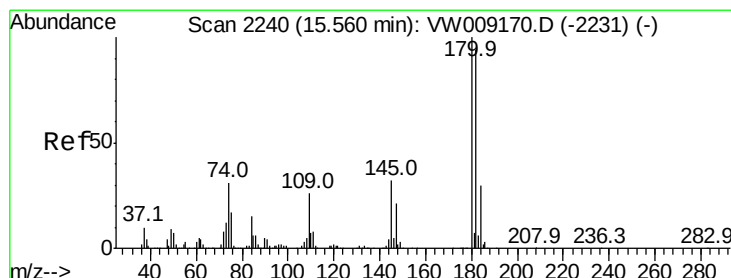
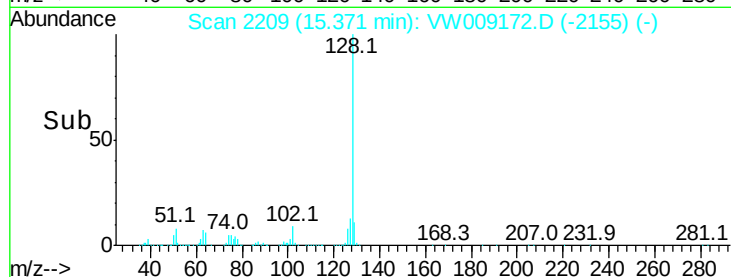
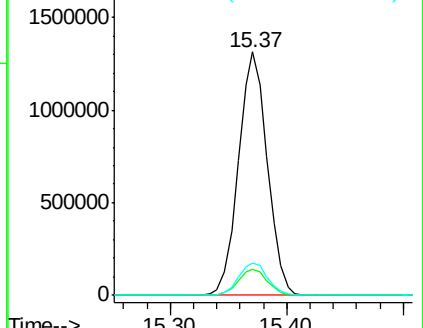
127 13.6 11.1 16.7



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: 95.281 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009172.D

Acq: 14 Mar 2019 15:59

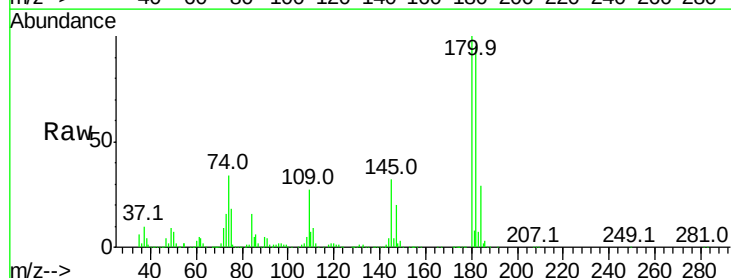
Tgt Ion:180 Resp: 937996

Ion Ratio Lower Upper

180 100

182 94.9 77.2 115.8

145 32.1 25.8 38.6



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

