

Data File : VW014213.D
Acq On : 05 Dec 2019 13:41
Operator : SY/VA
Sample : VSTD05004
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

Quant Time: Dec 05 14:19:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 05 14:14:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1409059	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1282980	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	620591	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	980435	43.61	ug/L	0.00
7) Chloroethane-d5	2.88	69	782699	42.94	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	1840641	39.89	ug/L	0.00
20) 2-Butanone-d5	7.07	46	669640	102.53	ug/L	0.00
24) Chloroform-d	7.64	84	1860261	42.94	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	985515	45.24	ug/L	0.00
29) Benzene-d6	8.27	84	3901003	42.85	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	1226432	45.99	ug/L	0.00
37) Toluene-d8	10.32	98	3609804	41.82	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	541016	47.37	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	574312	113.58	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	1035485	51.42	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	1247343	50.03	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	605657	36.142	ug/L	99
3) Chloromethane	2.21	50	562976	37.823	ug/L	97
5) Vinyl chloride	2.36	62	891330	38.352	ug/L	94
6) Bromomethane	2.77	94	552589	38.404	ug/L	100
8) Chloroethane	2.92	64	537256	38.863	ug/L	97
9) Trichlorofluoromethane	3.25	101	482550	30.449	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	867698	37.081	ug/L	95
12) 1,1-Dichloroethene	4.04	96	889569	37.398	ug/L	89
13) Acetone	4.11	43	611965	92.082	ug/L	99
14) Carbon disulfide	4.38	76	2709729	40.025	ug/L	99
15) Methyl Acetate	4.66	43	527367	49.044	ug/L	99
16) Methylene chloride	4.92	84	966323	35.622	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	1295022	42.201	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	971631	39.171	ug/L	94
19) 1,1-Dichloroethane	6.21	63	1725241	41.292	ug/L	99
21) 2-Butanone	7.16	43	821468	96.210	ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	1064957	40.799	ug/L	99
23) Bromochloromethane	7.51	128	478617	41.771	ug/L	85
25) Chloroform	7.67	83	1671850	40.747	ug/L	100
27) 1,2-Dichloroethane	8.40	62	1108326	44.617	ug/L	98
30) Cyclohexane	7.95	56	1615121	39.337	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	1237105	38.476	ug/L	98
32) Carbon tetrachloride	8.06	117	1167776	37.835	ug/L	100
34) Benzene	8.32	78	3884806	41.281	ug/L	100
35) Trichloroethene	9.09	95	993361	39.571	ug/L	96
36) Methylcyclohexane	9.33	83	1707467	37.935	ug/L	98
40) 1,2-Dichloropropane	9.37	63	1012466	44.693	ug/L	99
41) Bromodichloromethane	9.64	83	1248790	45.598	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	1615519	45.189	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	1504849	100.609	ug/L	99

Data File : VW014213.D
Acq On : 05 Dec 2019 13:41
Operator : SY/VA
Sample : VSTD05004
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

Quant Time: Dec 05 14:19:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 05 14:14:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	4156554	40.511	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	1301893	46.051	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	772663	46.419	ug/L	98
47) Tetrachloroethene	10.86	164	822472	36.758	ug/L	98
49) 2-Hexanone	10.96	43	1128839	104.681	ug/L	98
50) Dibromochloromethane	11.13	129	892054	45.595	ug/L	96
51) 1,2-Dibromoethane	11.23	107	747792	46.303	ug/L	98
52) Chlorobenzene	11.65	112	2623849	40.792	ug/L	94
53) Ethylbenzene	11.73	91	4554238	40.450	ug/L	99
54) m,p-Xylene	11.83	106	1763885	40.312	ug/L	100
55) o-xylene	12.16	106	1691234	41.276	ug/L	100
56) Styrene	12.18	104	2929591	42.325	ug/L	100
57) Isopropylbenzene	12.46	105	4355547	38.662	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	971867	50.010	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	716879	49.049	ug/L	99
62) Bromoform	12.35	173	550200	54.099	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	2028099	46.542	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	2026046	47.059	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	1904843	49.365	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	156426	59.526	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	1477992	44.506	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	1246480	47.736	ug/L	100
69) Naphthalene	15.36	128	2673473	57.631	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	1144149	49.649	ug/L	99

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

Data File : VW014213.D

Acq On : 05 Dec 2019 13:41

Operator : SY/VA

Sample : VSTD05004

Misc : 5.00G/10ML/MSVOA W/SOIL

```
ALS Vial      : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

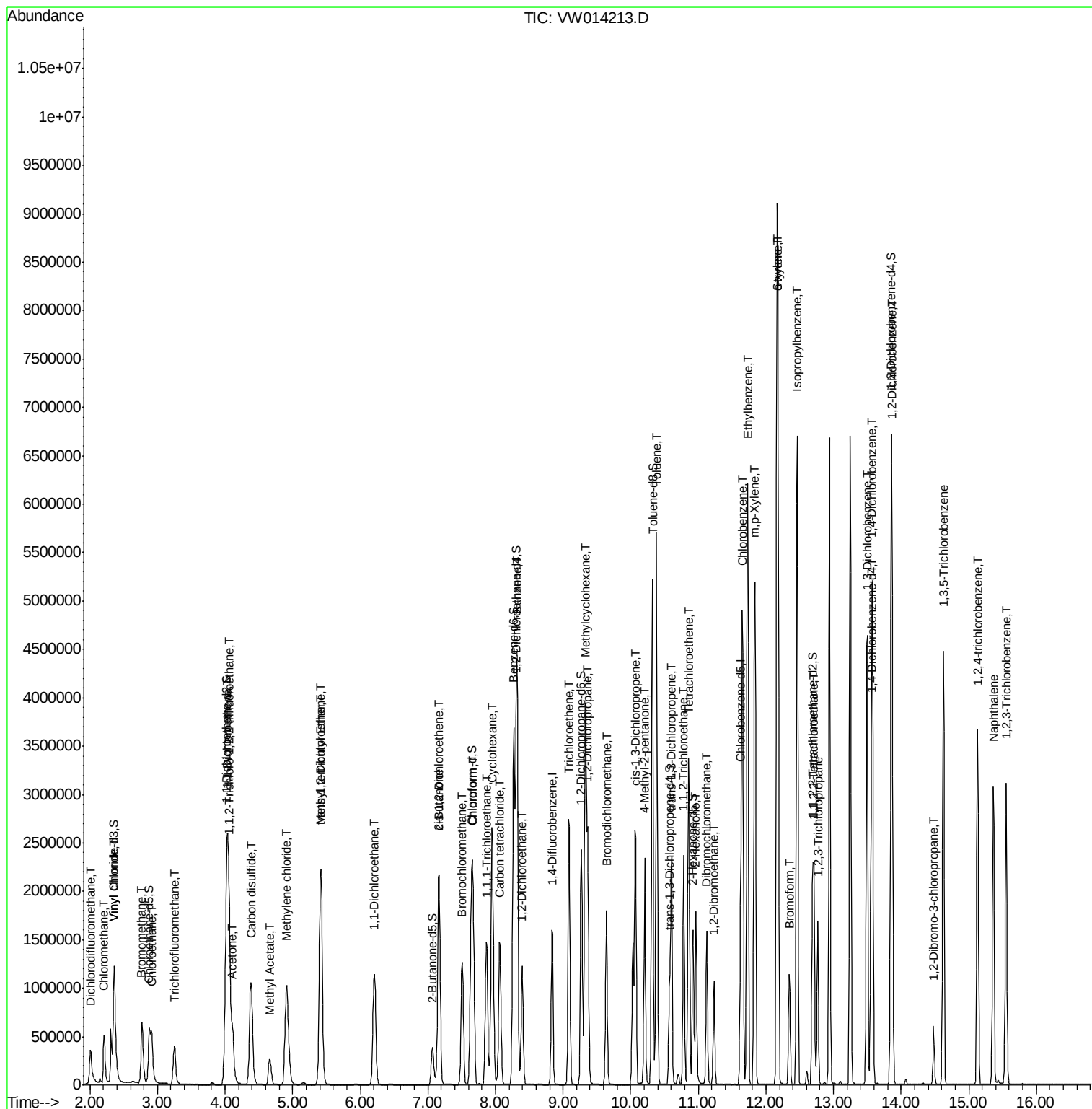
Quant Time: Dec 05 14:19:22 2019

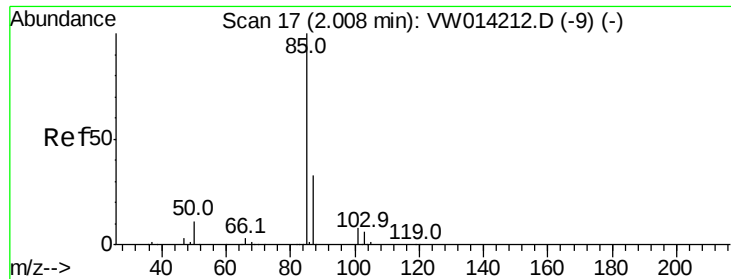
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M

Quant Title : VOC Analysis

QLast Update : Thu Dec 05 14:14:45 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 36.142 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

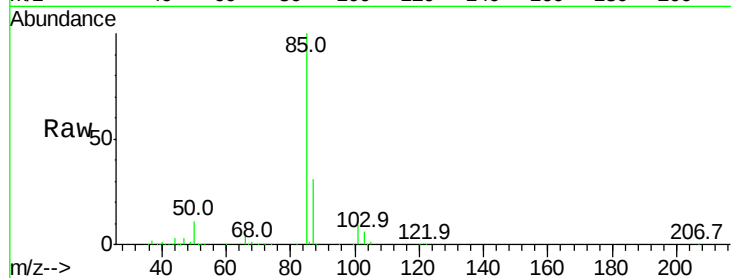
VSTD05004

Tgt Ion: 85 Resp: 605657

Ion Ratio Lower Upper

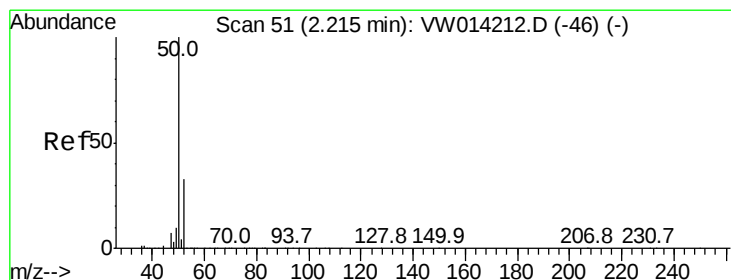
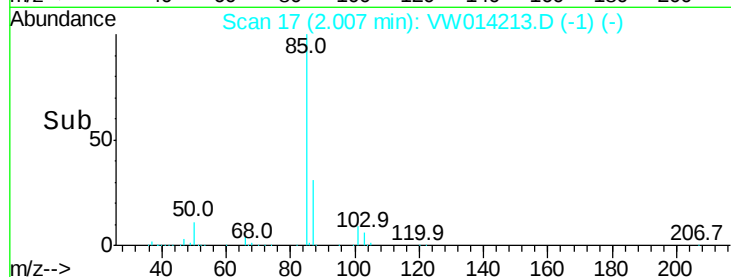
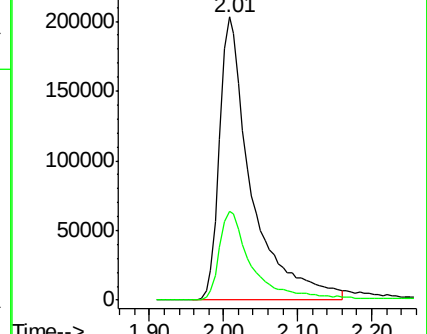
85 100

87 31.2 22.1 41.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 37.823 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014213.D

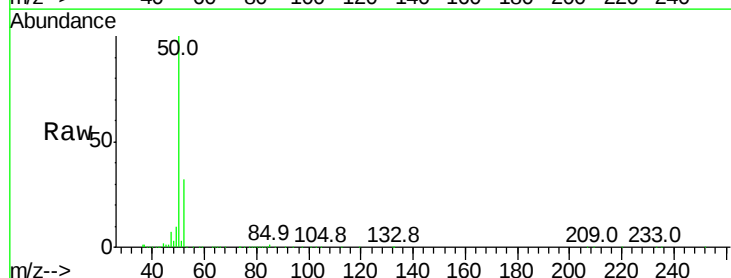
Acq: 05 Dec 2019 13:41

Tgt Ion: 50 Resp: 562976

Ion Ratio Lower Upper

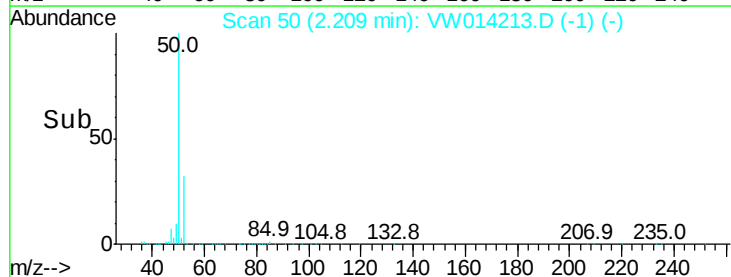
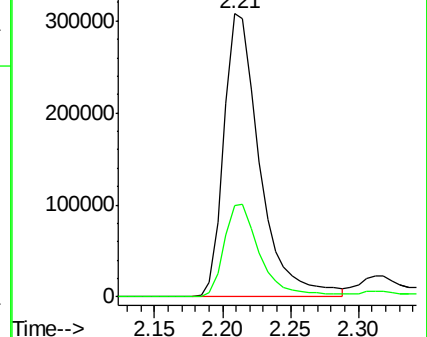
50 100

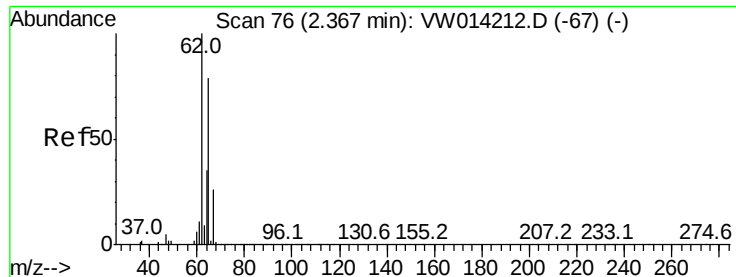
52 32.4 23.8 44.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 38.352 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

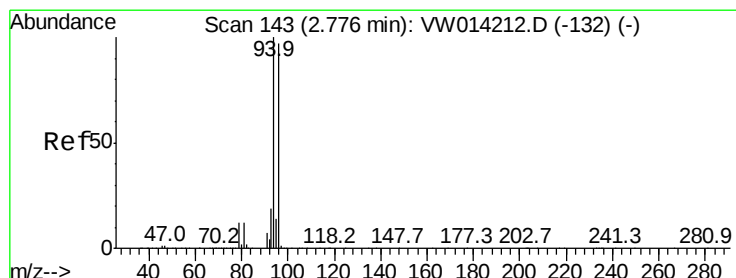
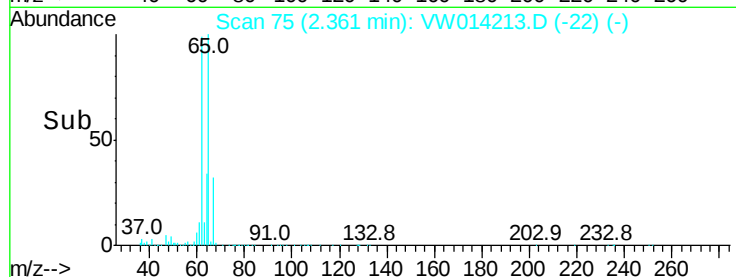
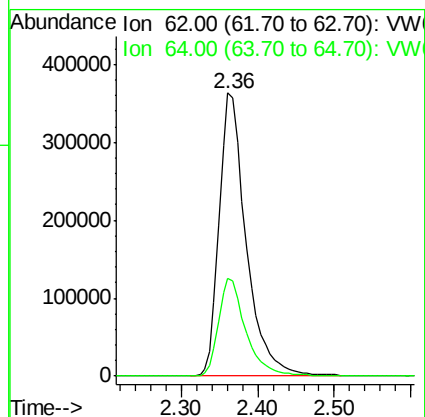
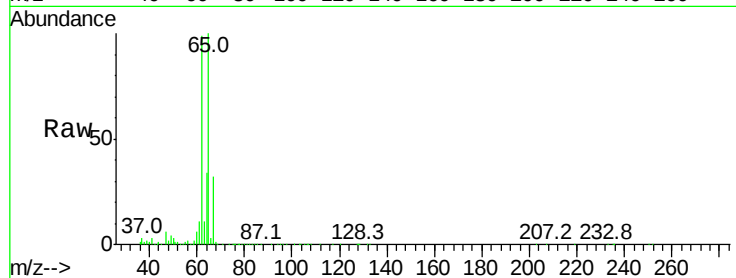
VSTD05004

Tgt Ion: 62 Resp: 891330

Ion Ratio Lower Upper

62 100

64 34.4 21.8 40.4



#6

Bromomethane

Concen: 38.404 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW014213.D

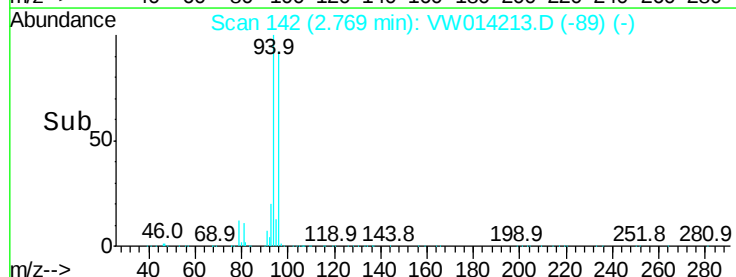
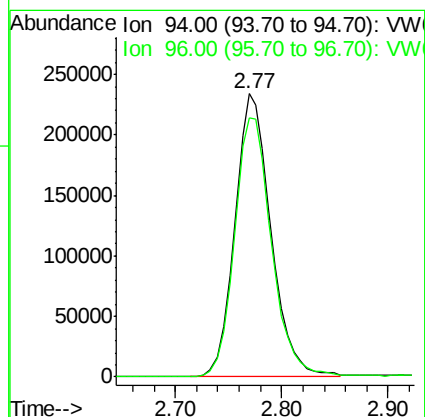
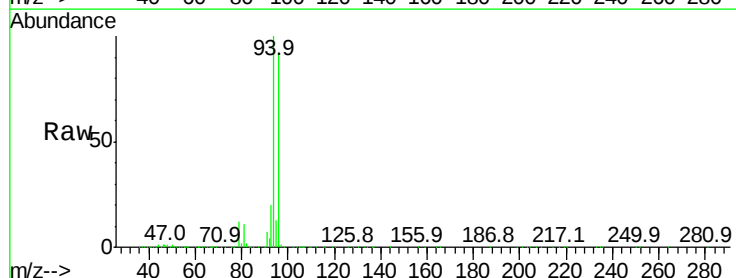
Acq: 05 Dec 2019 13:41

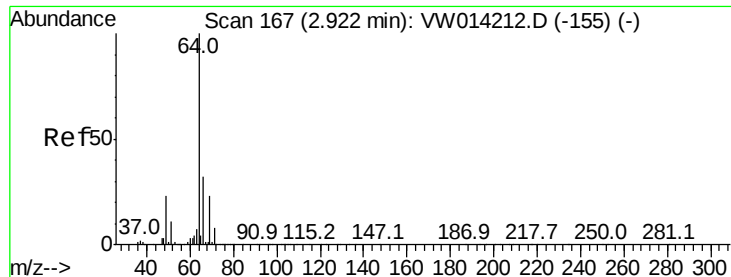
Tgt Ion: 94 Resp: 552589

Ion Ratio Lower Upper

94 100

96 94.5 9.4 178.8





#8

Chloroethane

Concen: 38.863 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

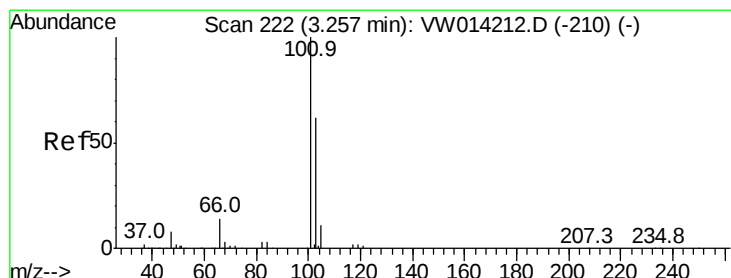
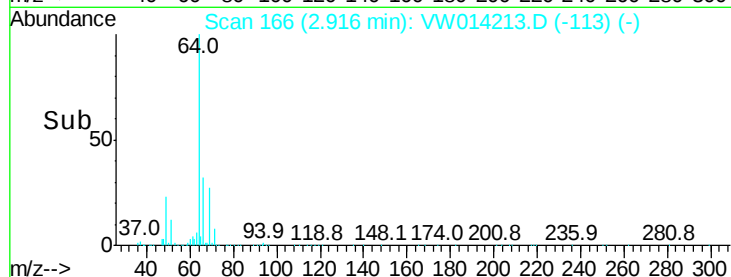
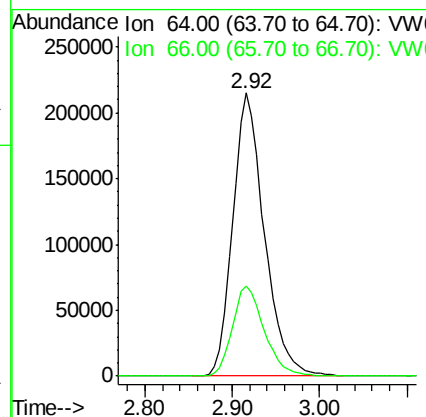
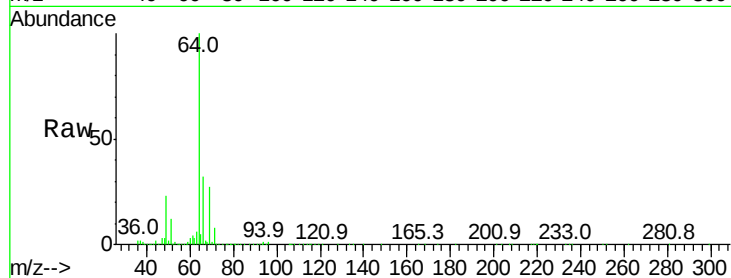
VSTD05004

Tgt Ion: 64 Resp: 537256

Ion Ratio Lower Upper

64 100

66 31.7 21.2 39.4



#9

Trichlorofluoromethane

Concen: 30.449 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW014213.D

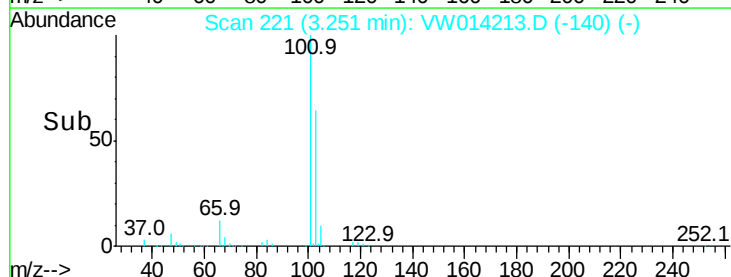
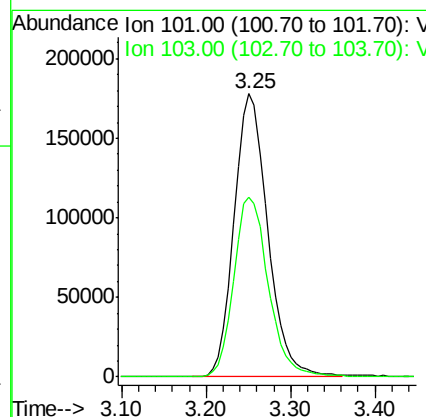
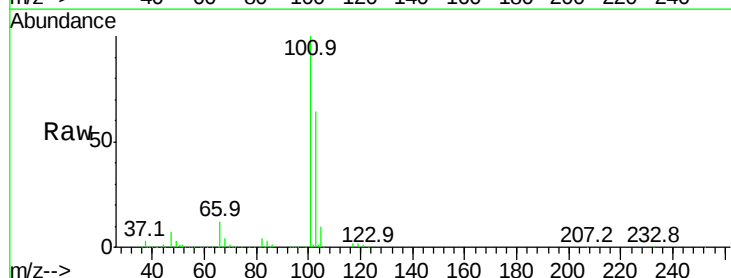
Acq: 05 Dec 2019 13:41

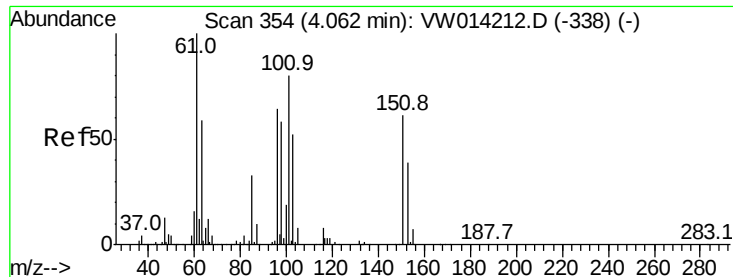
Tgt Ion: 101 Resp: 482550

Ion Ratio Lower Upper

101 100

103 65.0 45.4 84.2





#11

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

Concen: 37.081 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_W

ClientSampled :

VSTD05004

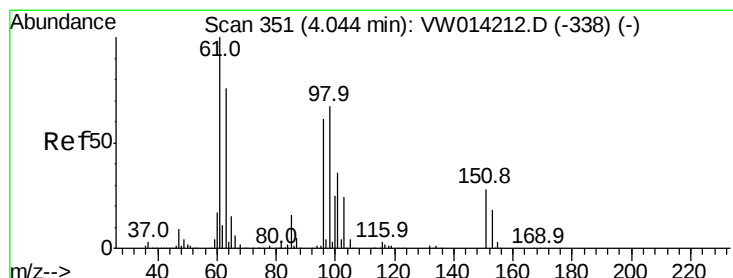
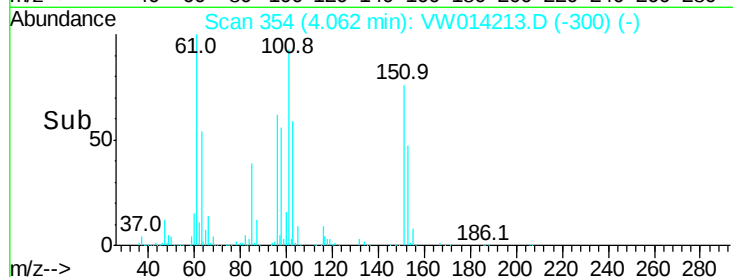
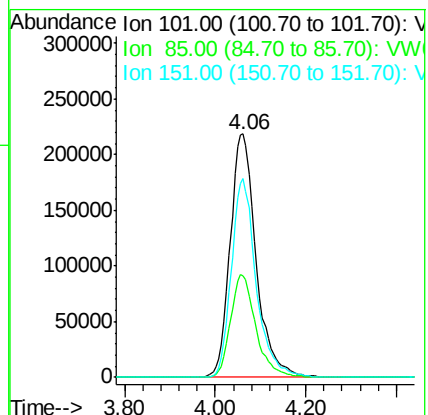
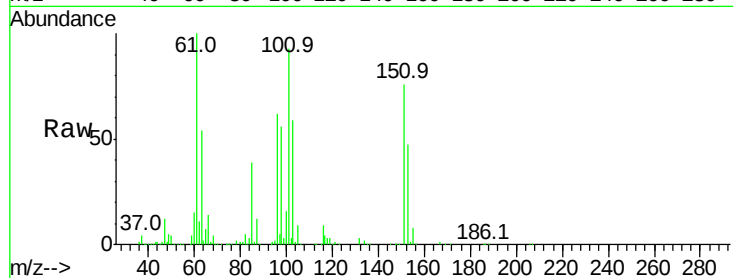
Tgt Ion: 101 Resp: 867698

Ion Ratio Lower Upper

101 100

85 40.9 31.4 47.2

151 77.9 66.9 100.3



#12

1,1-Dichloroethene

Concen: 37.398 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

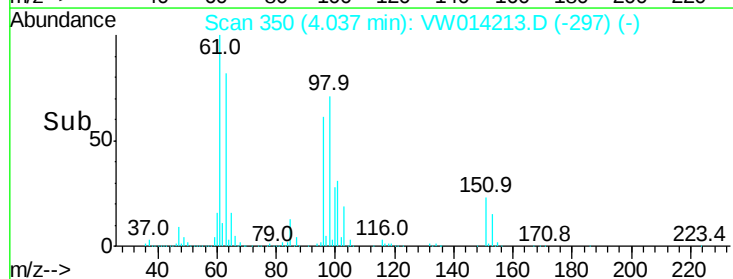
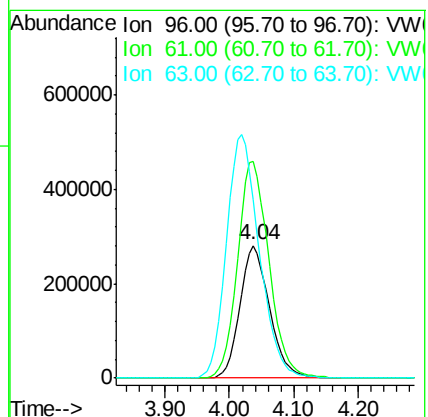
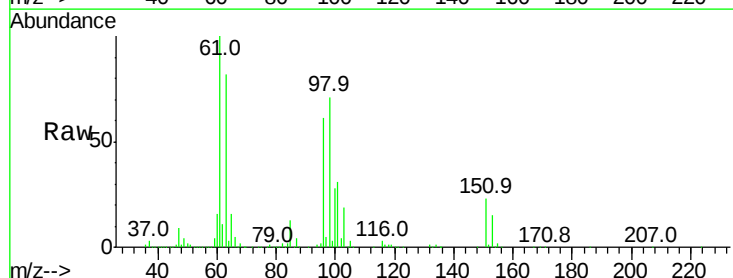
Tgt Ion: 96 Resp: 889569

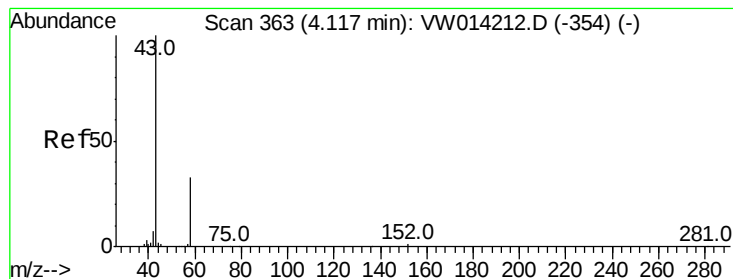
Ion Ratio Lower Upper

96 100

61 163.8 109.8 204.0

63 134.4 80.7 149.9





#13

Acetone

Concen: 92.082 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

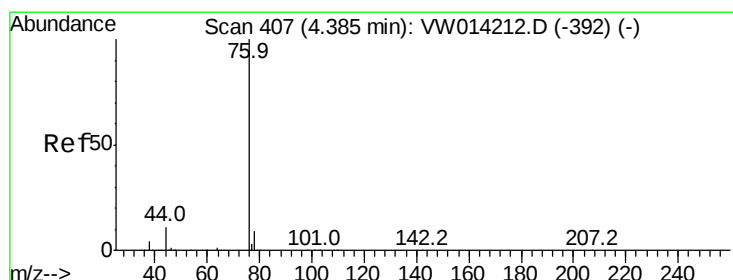
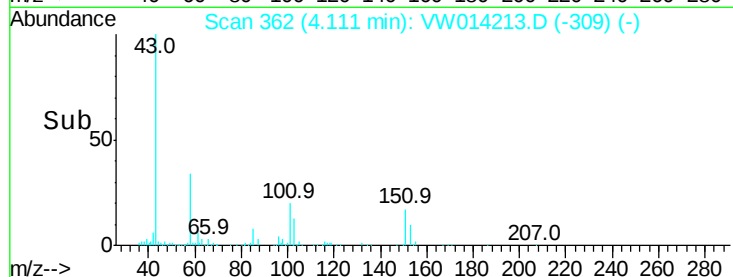
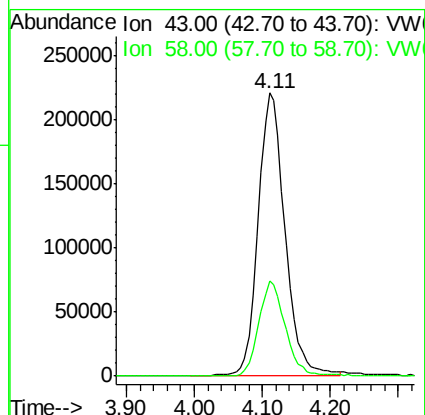
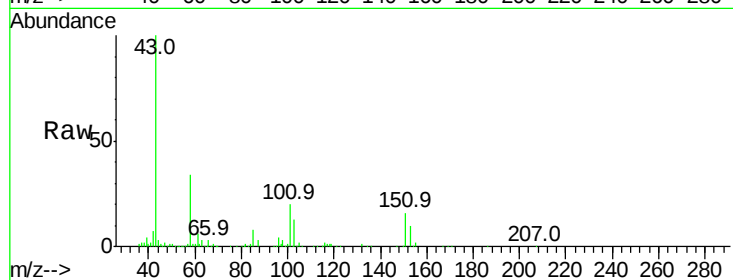
VSTD05004

Tgt Ion: 43 Resp: 611965

Ion Ratio Lower Upper

43 100

58 32.2 0.0 65.4



#14

Carbon disulfide

Concen: 40.025 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014213.D

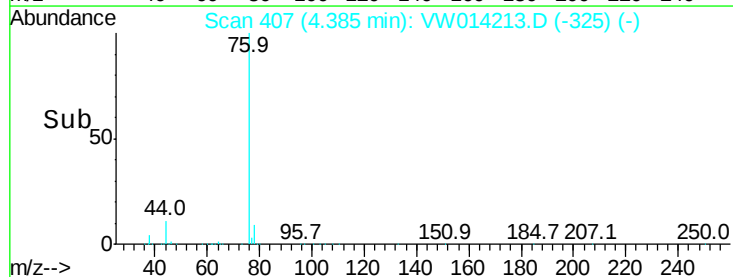
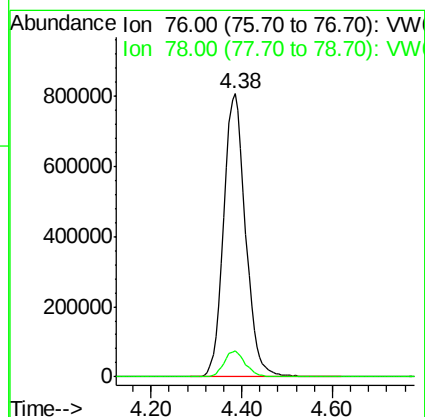
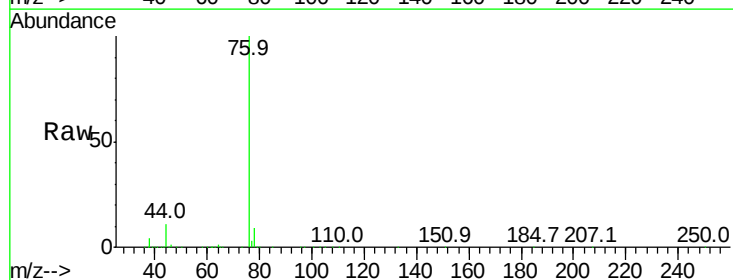
Acq: 05 Dec 2019 13:41

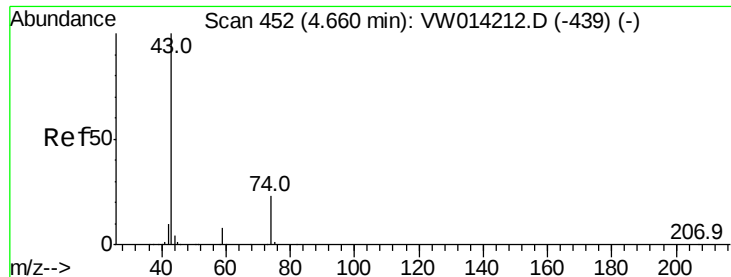
Tgt Ion: 76 Resp: 2709729

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8

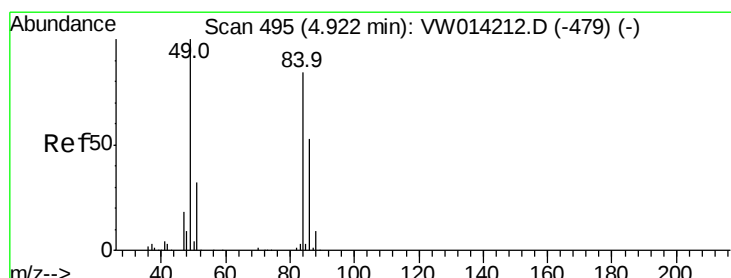
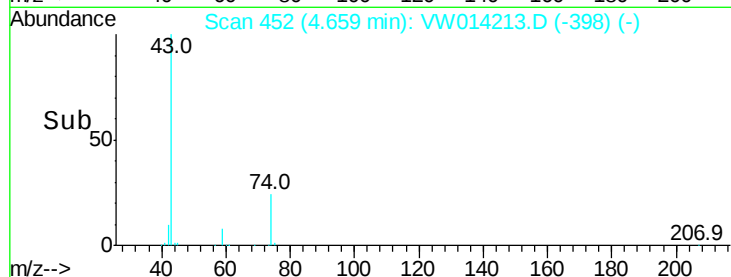
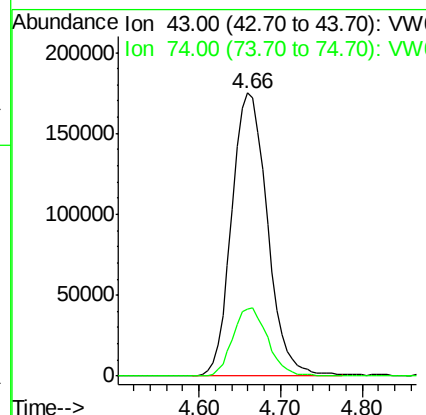
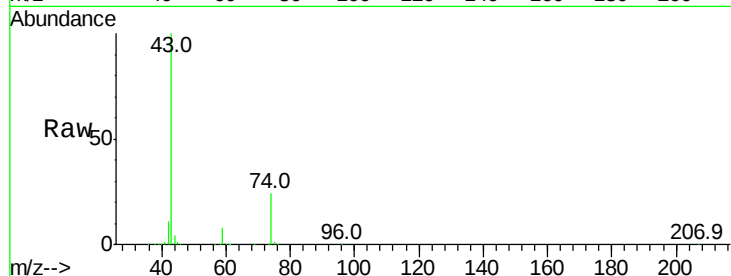




#15
Methyl Acetate
Concen: 49.044 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW014213.D
Acq: 05 Dec 2019 13:41

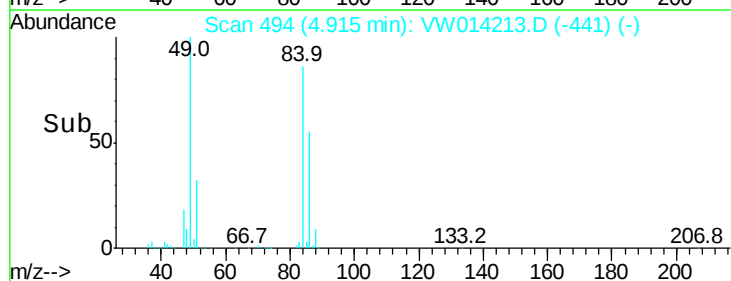
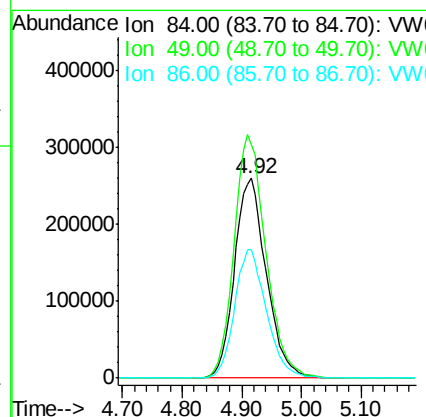
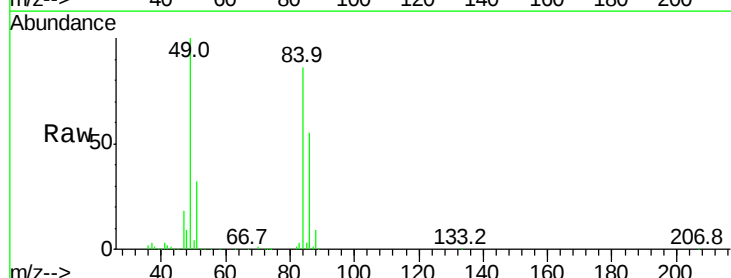
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

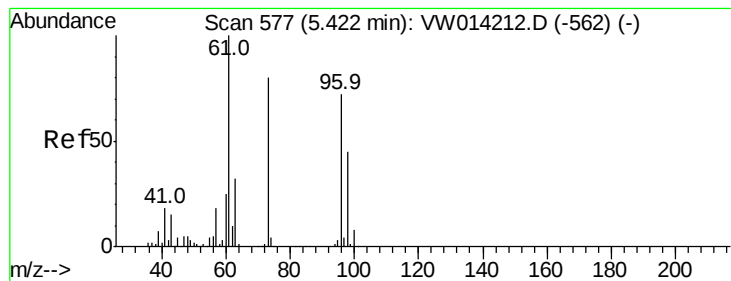
Tgt Ion: 43 Resp: 527367
Ion Ratio Lower Upper
43 100
74 23.8 19.3 28.9



#16
Methylene chloride
Concen: 35.622 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW014213.D
Acq: 05 Dec 2019 13:41

Tgt Ion: 84 Resp: 966323
Ion Ratio Lower Upper
84 100
49 116.7 84.2 156.4
86 64.2 43.7 81.1





#17

Methyl tert-butyl Ether

Concen: 42.201 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

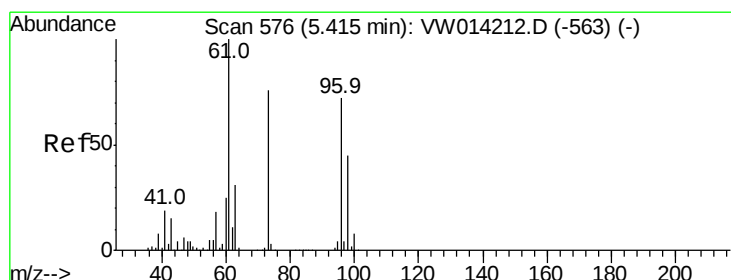
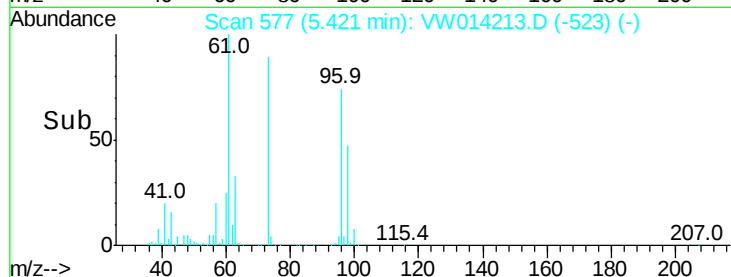
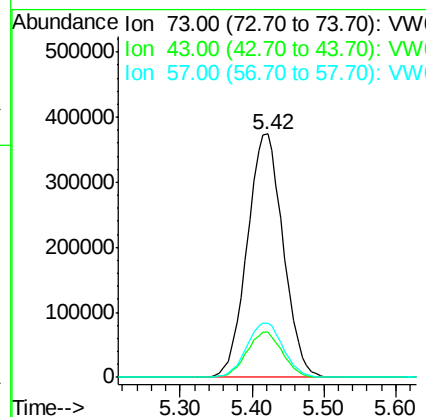
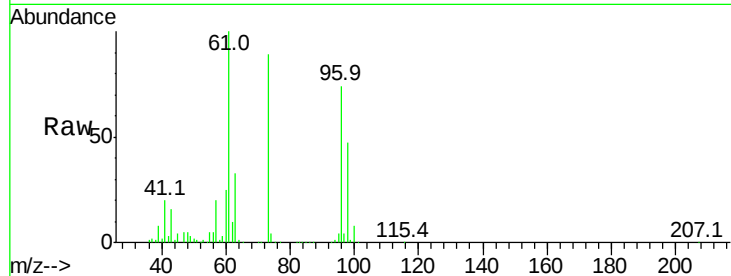
Tgt Ion: 73 Resp: 1295022

Ion	Ratio	Lower	Upper
73	100		
43	18.4	15.5	23.3
57	22.7	18.2	27.4

73 100

43 18.4 15.5 23.3

57 22.7 18.2 27.4



#18

trans-1,2-Dichloroethene

Concen: 39.171 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

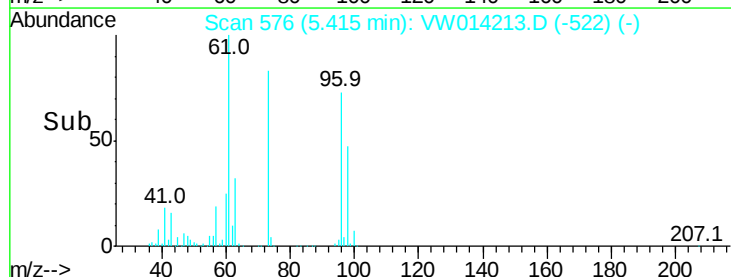
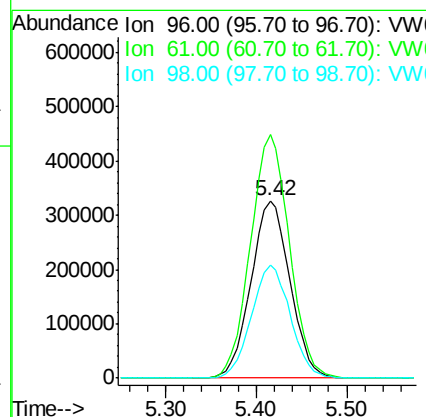
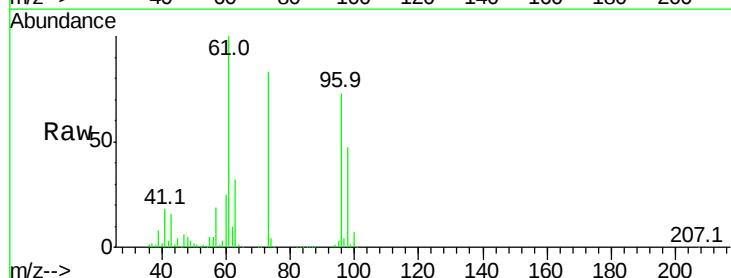
Tgt Ion: 96 Resp: 971631

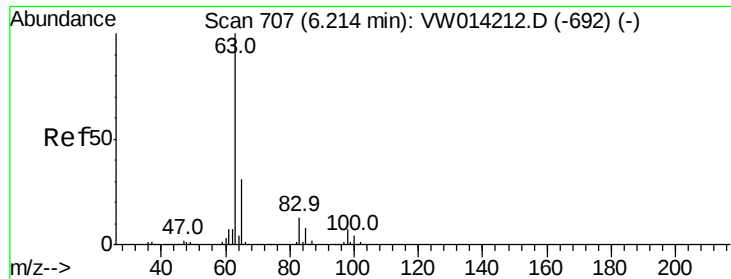
Ion	Ratio	Lower	Upper
96	100		
61	137.4	90.6	168.2
98	64.1	42.9	79.7

96 100

61 137.4 90.6 168.2

98 64.1 42.9 79.7

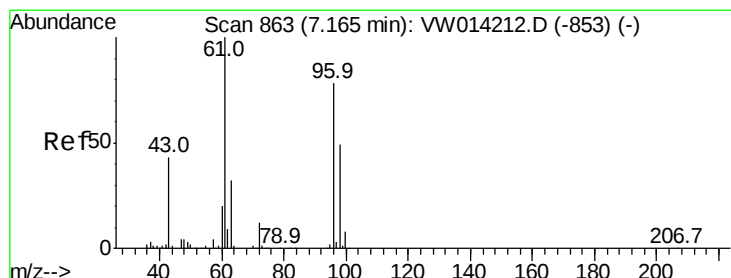
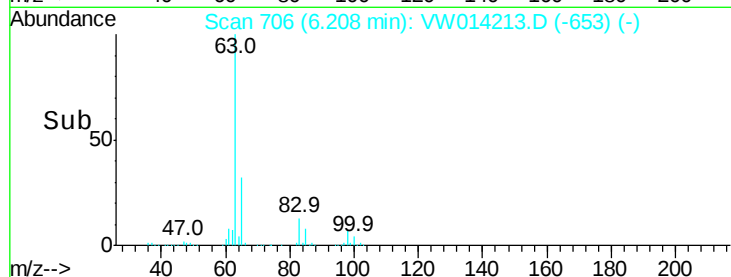
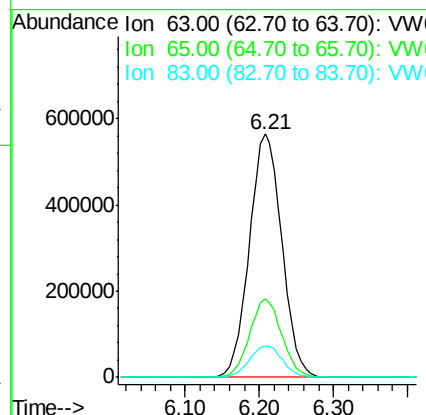
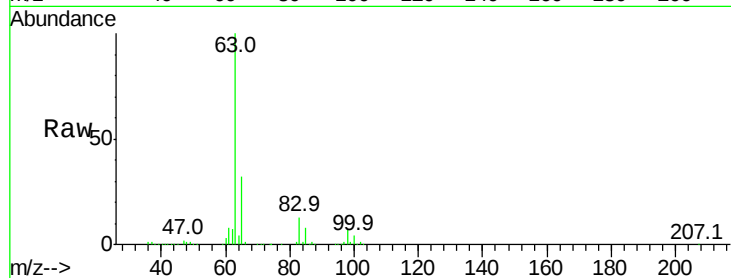




#19
 1,1-Dichloroethane
 Concen: 41.292 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW014213.D
 Acq: 05 Dec 2019 13:41

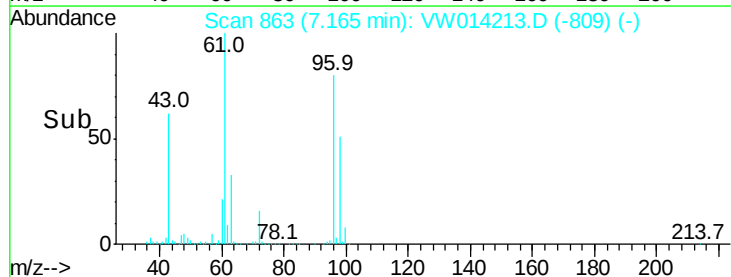
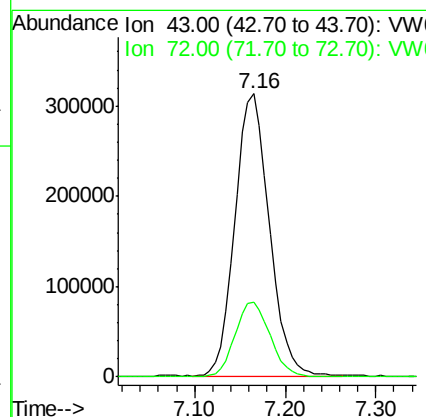
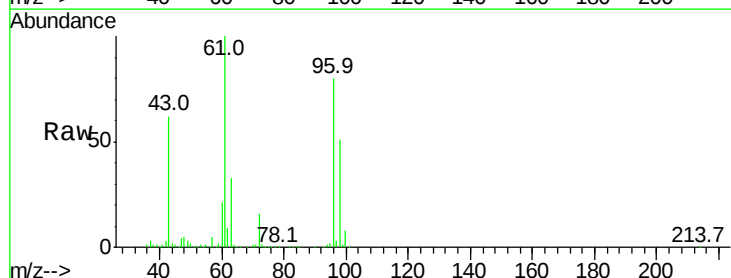
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

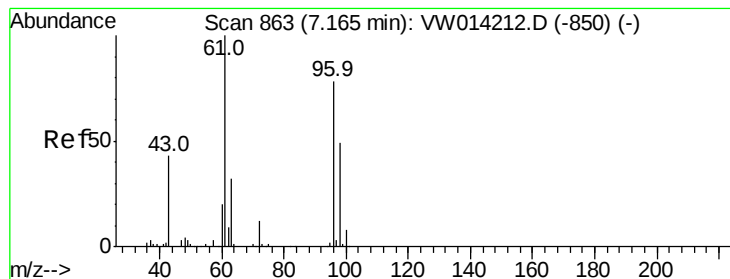
Tgt Ion: 63 Resp: 1725241
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.1 41.1
 83 12.9 9.0 16.6



#21
 2-Butanone
 Concen: 96.210 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014213.D
 Acq: 05 Dec 2019 13:41

Tgt Ion: 43 Resp: 821468
 Ion Ratio Lower Upper
 43 100
 72 27.3 14.1 42.2



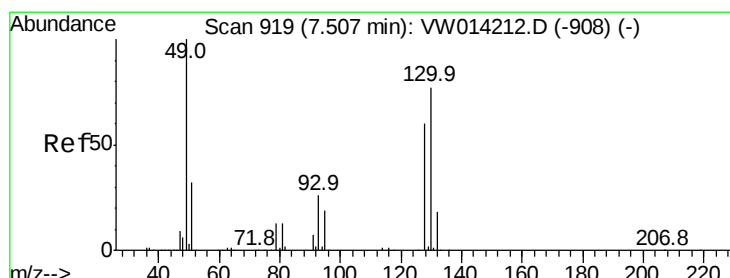
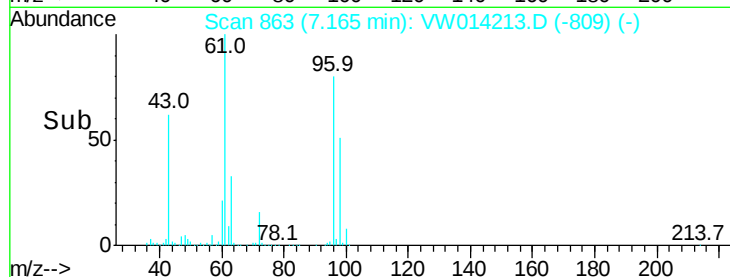
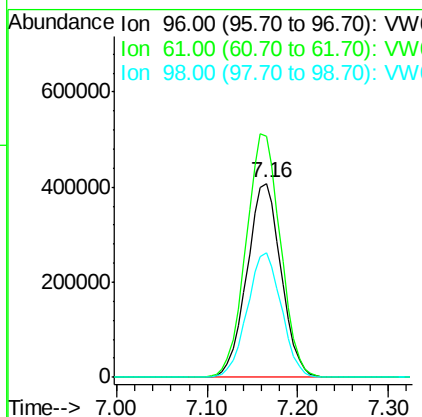
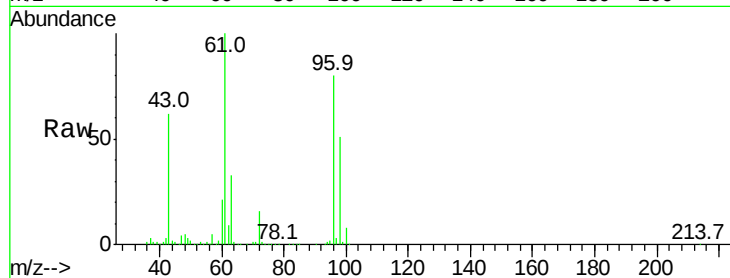


#22

cis-1,2-Dichloroethene
Concen: 40.799 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014213.D
Acq: 05 Dec 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

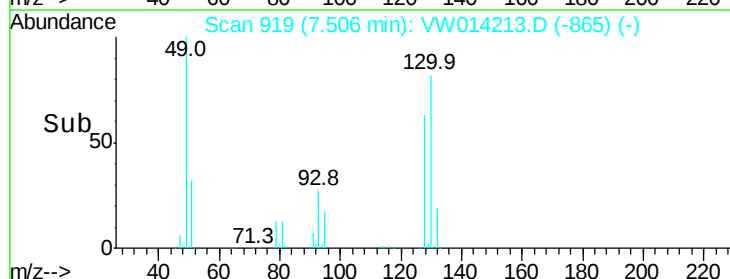
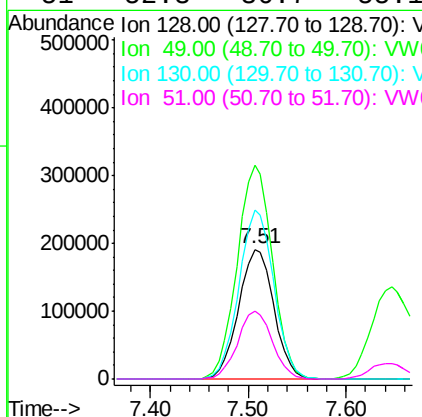
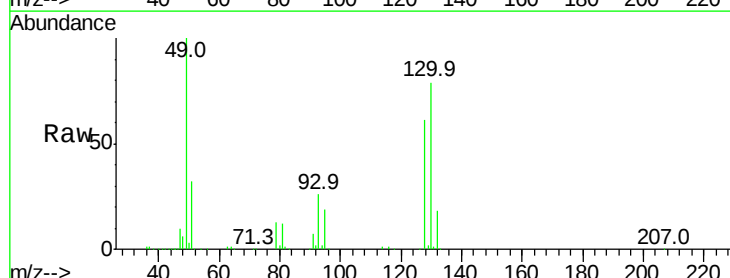
Tgt Ion: 96 Resp: 1064957
Ion Ratio Lower Upper
96 100
61 124.3 86.9 161.5
98 64.0 45.5 84.5

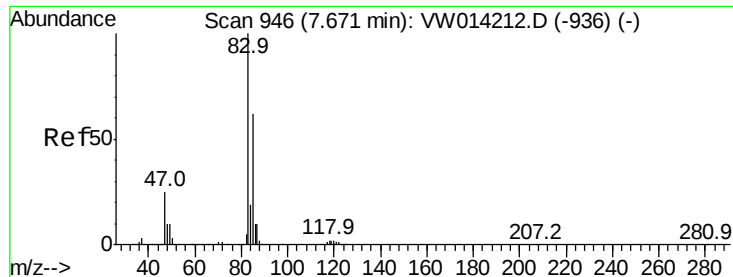


#23

Bromochloromethane
Concen: 41.771 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW014213.D
Acq: 05 Dec 2019 13:41

Tgt Ion: 128 Resp: 478617
Ion Ratio Lower Upper
128 100
49 164.6 95.1 176.5
130 130.1 85.0 158.0
51 52.3 36.7 55.1





#25

Chloroform

Concen: 40.747 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

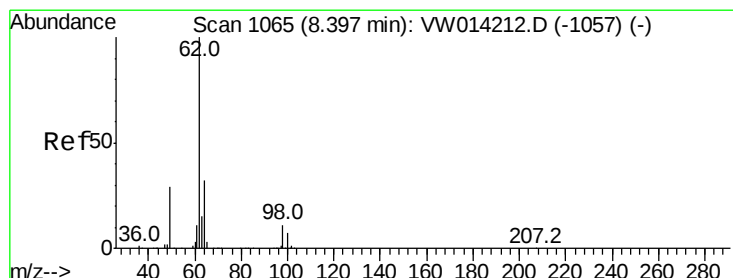
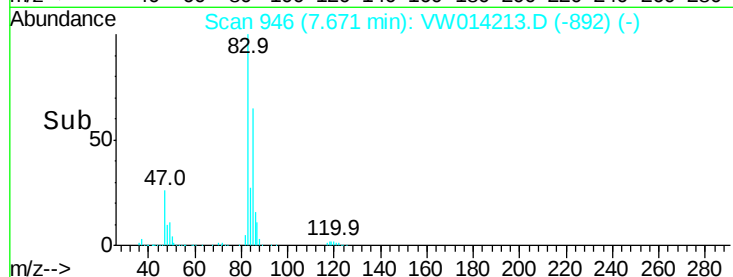
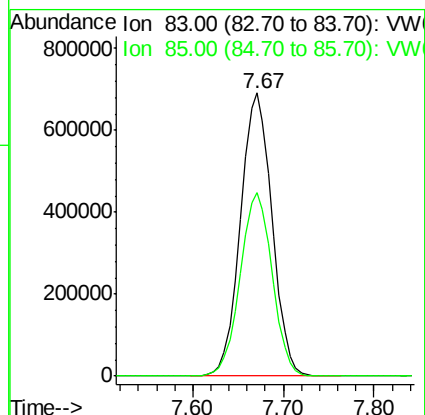
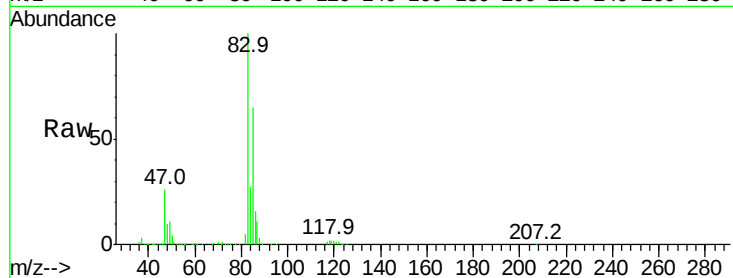
VSTD05004

Tgt Ion: 83 Resp: 1671850

Ion Ratio Lower Upper

83 100

85 65.9 46.1 85.7



#27

1,2-Dichloroethane

Concen: 44.617 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014213.D

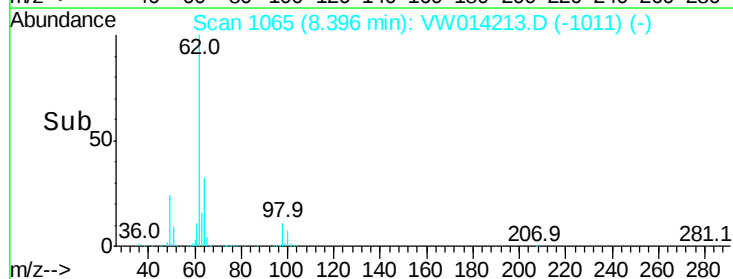
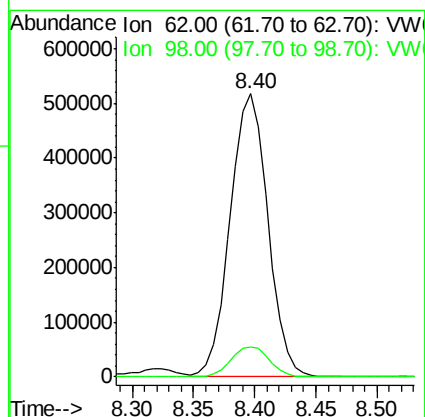
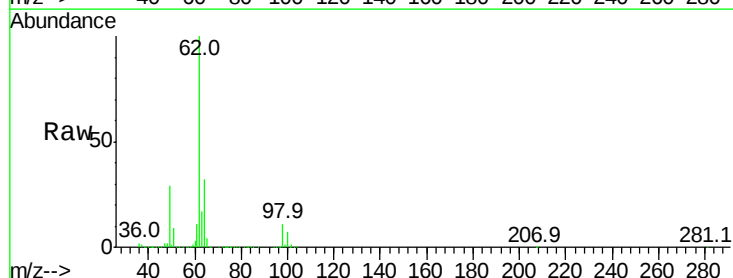
Acq: 05 Dec 2019 13:41

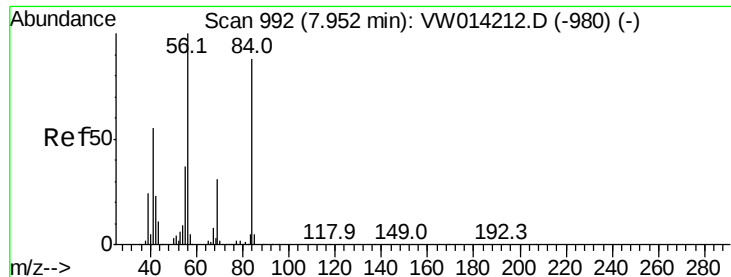
Tgt Ion: 62 Resp: 1108326

Ion Ratio Lower Upper

62 100

98 10.7 9.3 13.9

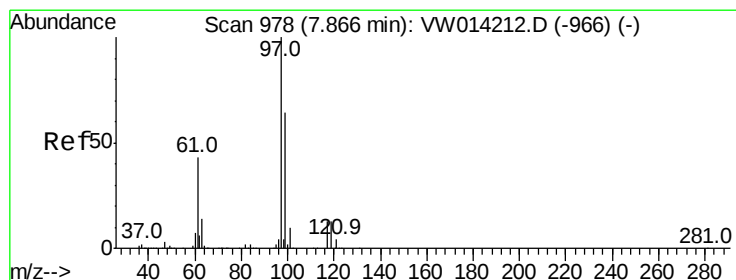
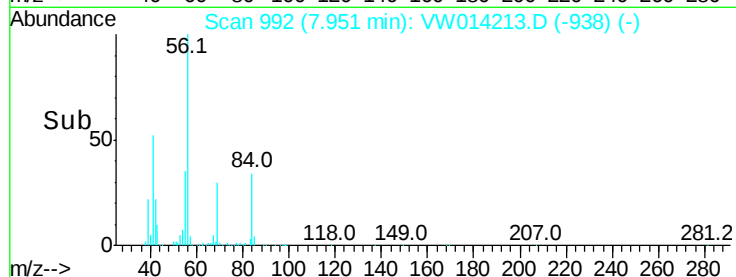
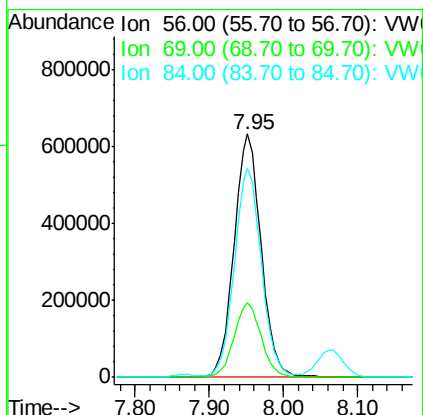
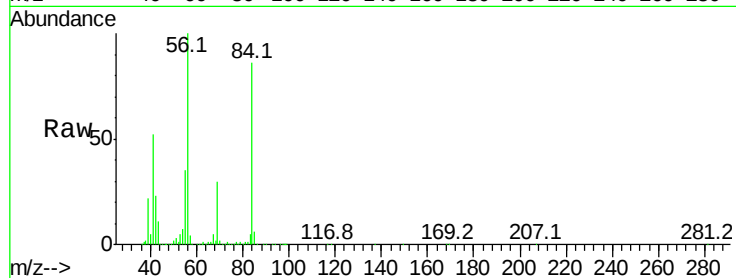




#30
Cyclohexane
Concen: 39.337 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014213.D
Acq: 05 Dec 2019 13:41

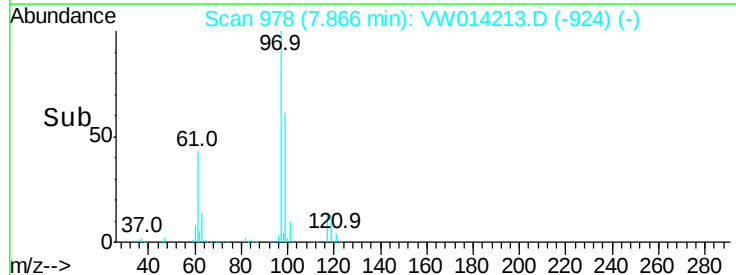
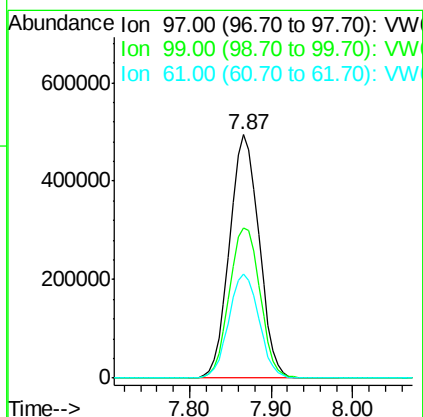
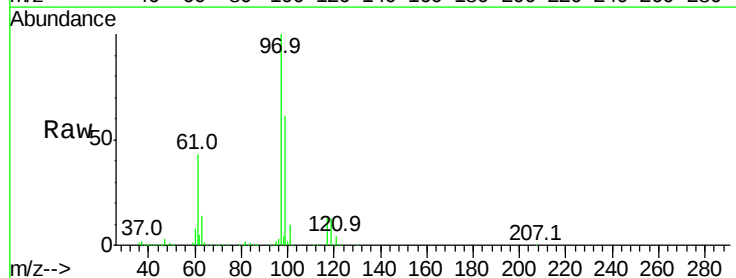
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

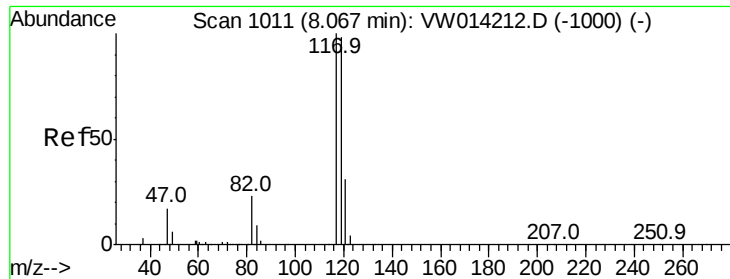
Tgt Ion: 56 Resp: 1615121
Ion Ratio Lower Upper
56 100
69 30.6 24.6 37.0
84 86.0 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 38.476 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW014213.D
Acq: 05 Dec 2019 13:41

Tgt Ion: 97 Resp: 1237105
Ion Ratio Lower Upper
97 100
99 64.1 51.1 76.7
61 43.6 32.8 49.2





#32

Carbon tetrachloride

Concen: 37.835 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_W

ClientSampled :

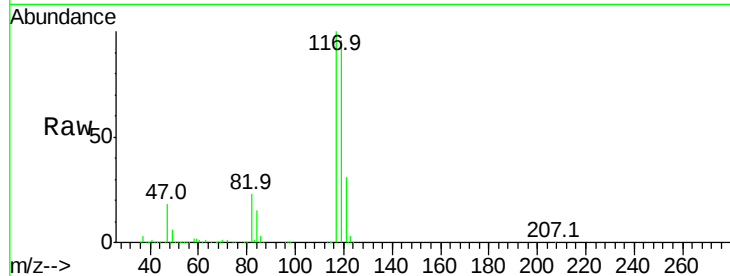
VSTD05004

Tgt Ion:117 Resp: 1167776

Ion Ratio Lower Upper

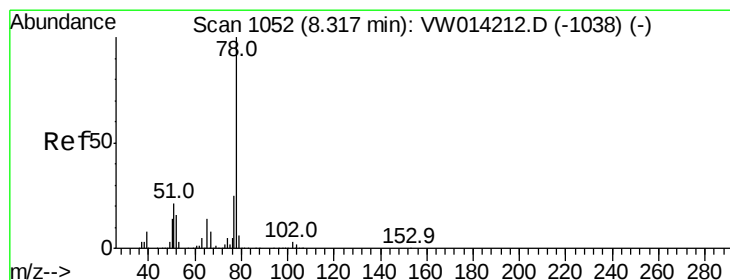
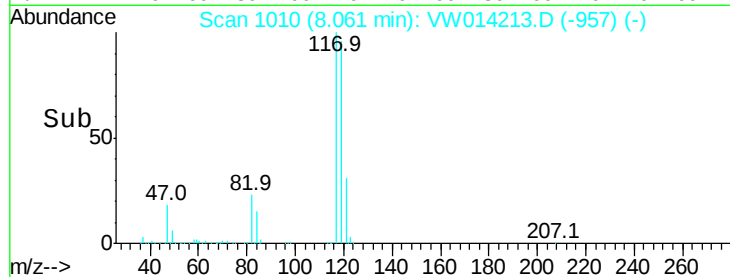
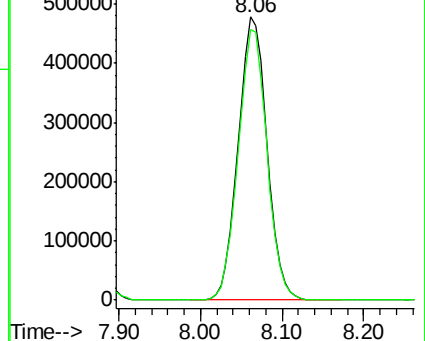
117 100

119 95.7 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 41.281 ug/L

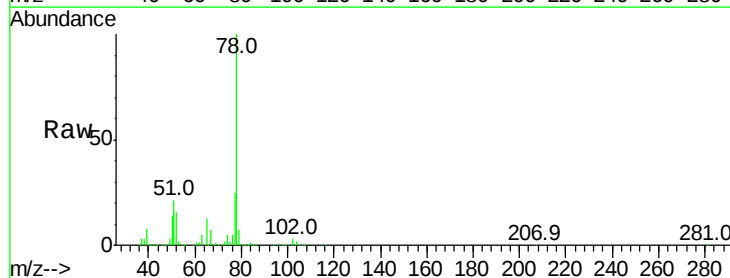
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

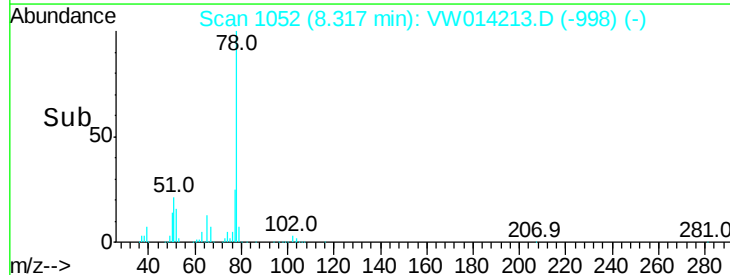
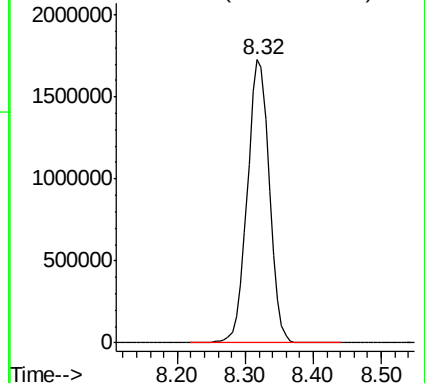
Lab File: VW014213.D

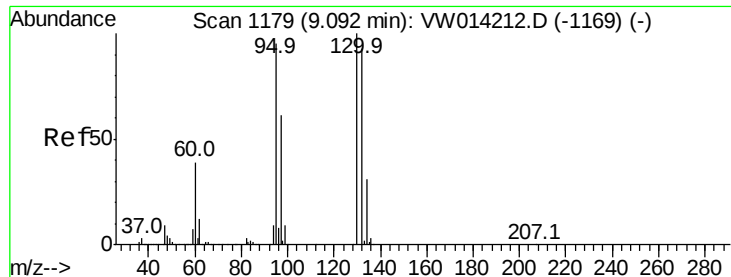
Acq: 05 Dec 2019 13:41

Tgt Ion: 78 Resp: 3884806



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 39.571 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

Tgt Ion: 95 Resp: 993361

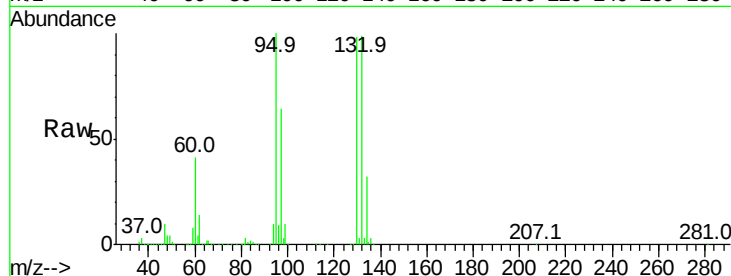
Ion Ratio Lower Upper

95 100

97 64.5 45.1 83.9

132 100.3 73.7 136.9

130 104.0 76.6 142.2

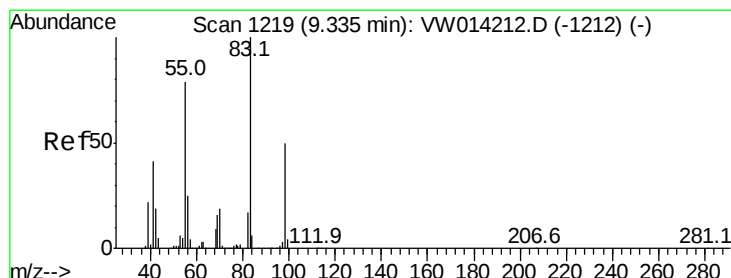
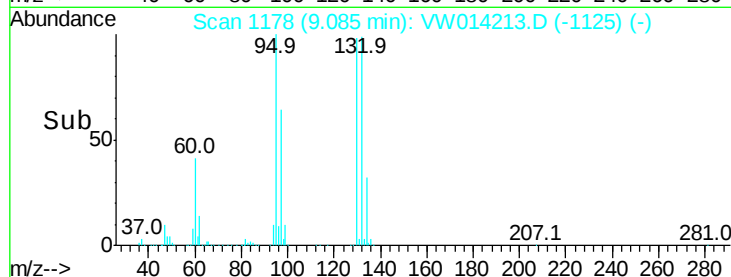
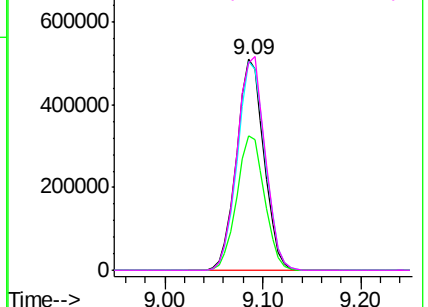


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 37.935 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

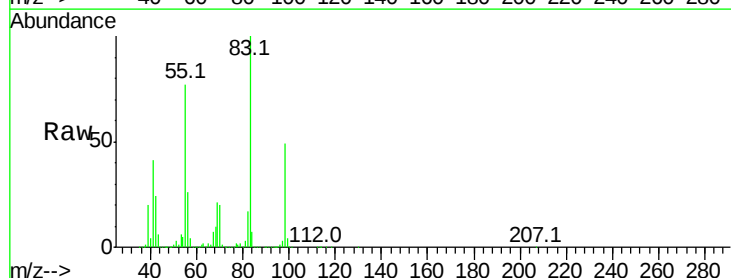
Tgt Ion: 83 Resp: 1707467

Ion Ratio Lower Upper

83 100

55 76.9 59.8 89.8

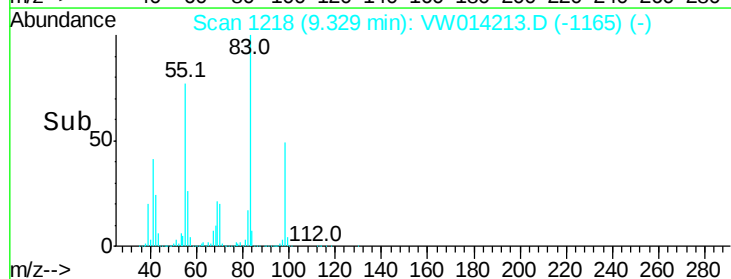
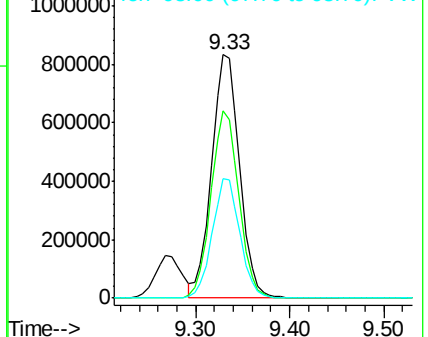
98 48.8 39.5 59.3

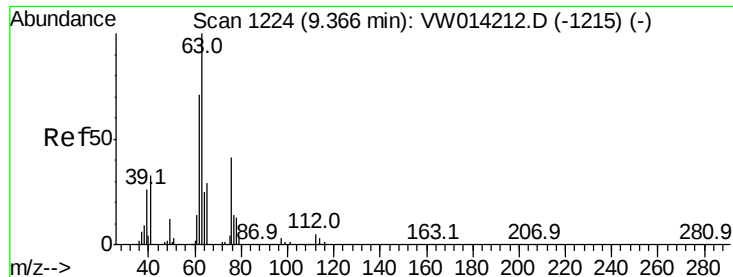


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 44.693 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

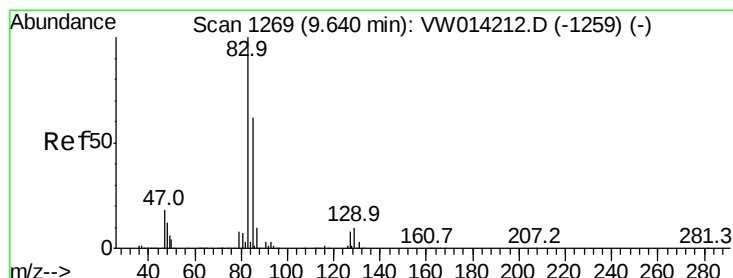
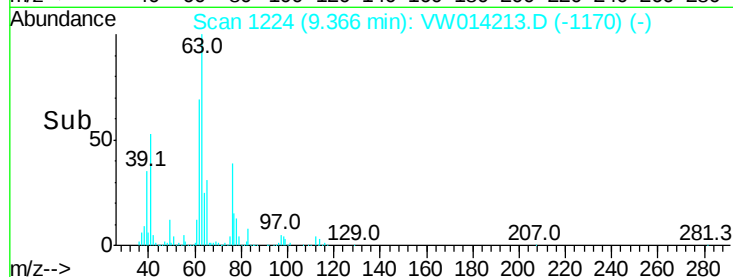
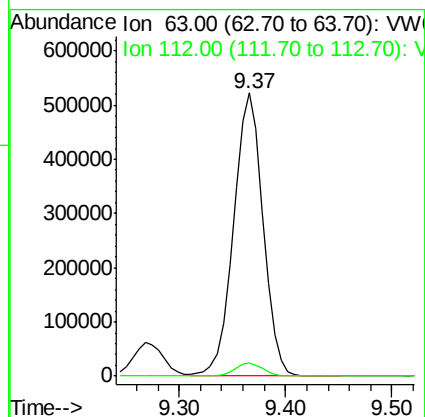
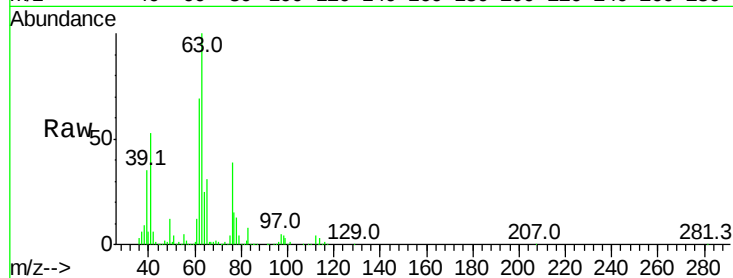
VSTD05004

Tgt Ion: 63 Resp: 1012466

Ion Ratio Lower Upper

63 100

112 4.5 3.9 5.9



#41

Bromodichloromethane

Concen: 45.598 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

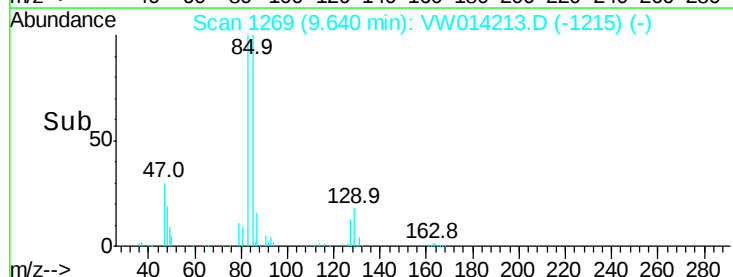
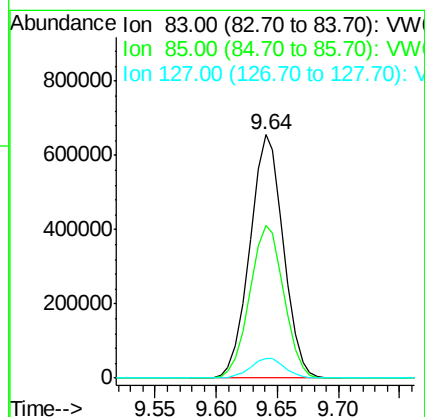
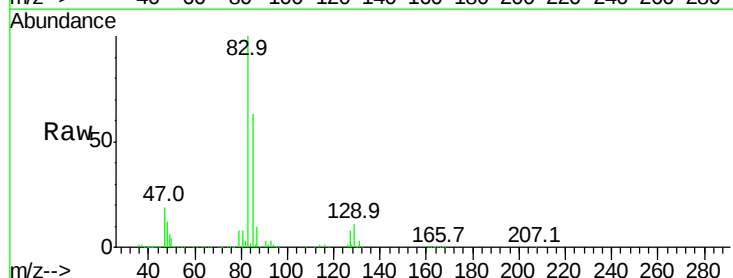
Tgt Ion: 83 Resp: 1248790

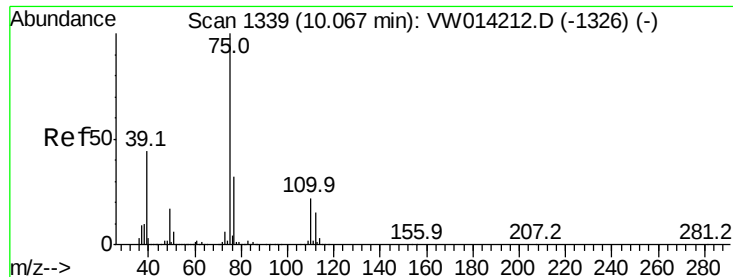
Ion Ratio Lower Upper

83 100

85 62.7 45.1 83.7

127 8.2 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 45.189 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

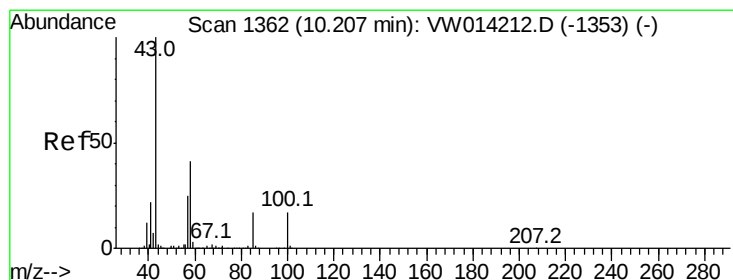
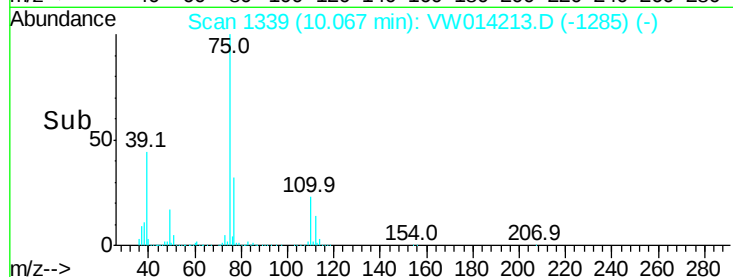
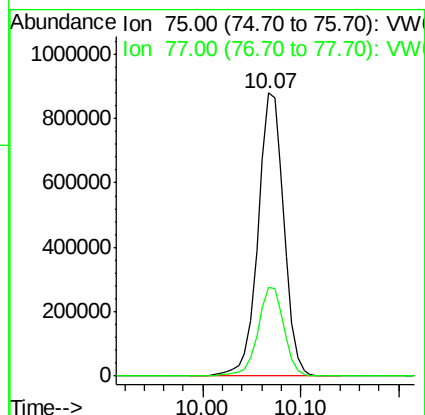
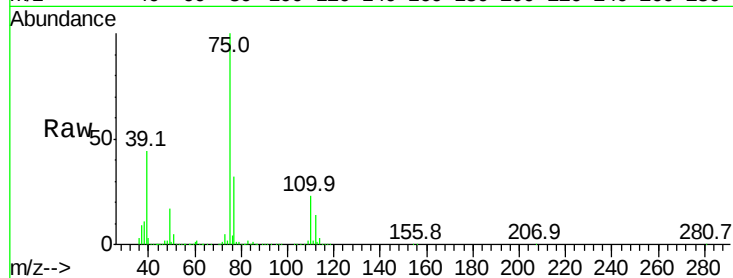
VSTD05004

Tgt Ion: 75 Resp: 1615519

Ion Ratio Lower Upper

75 100

77 31.5 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 100.609 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

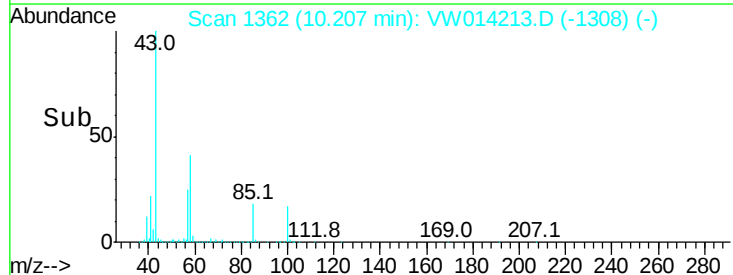
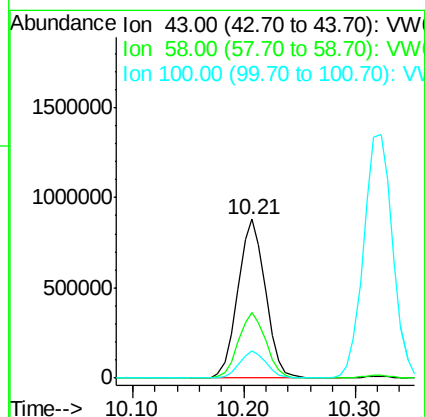
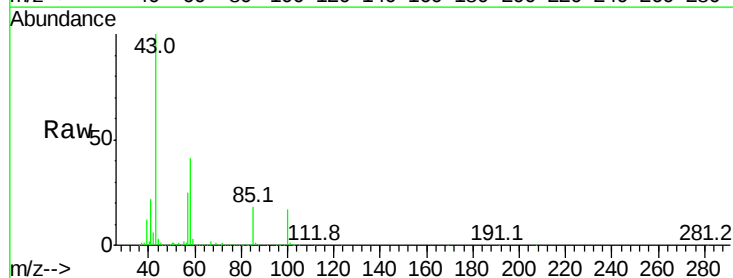
Tgt Ion: 43 Resp: 1504849

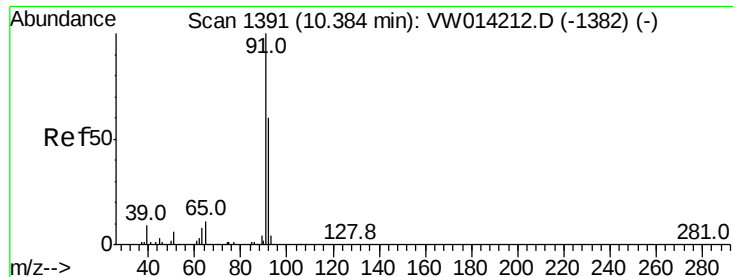
Ion Ratio Lower Upper

43 100

58 41.1 32.6 49.0

100 16.6 13.8 20.8





#44

Toluene

Concen: 40.511 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_W

ClientSampled :

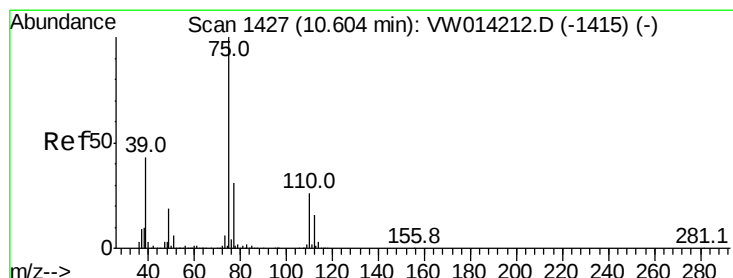
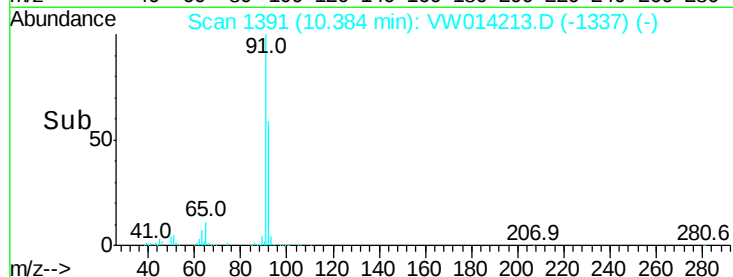
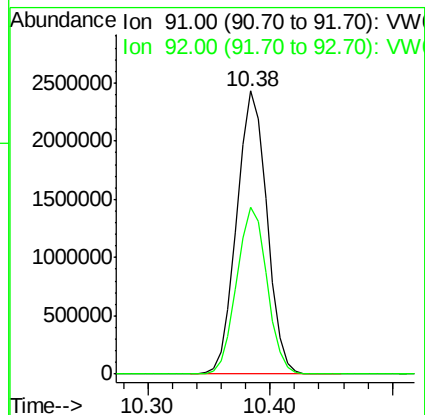
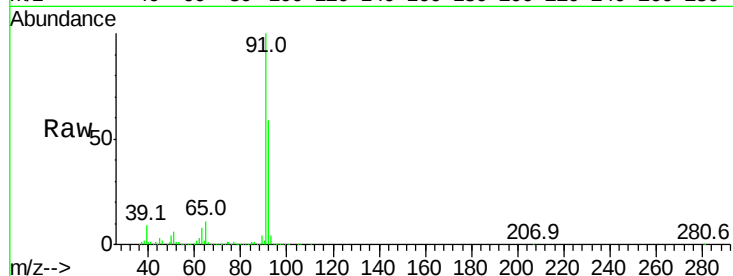
VSTD05004

Tgt Ion: 91 Resp: 4156554

Ion Ratio Lower Upper

91 100

92 59.0 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 46.051 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014213.D

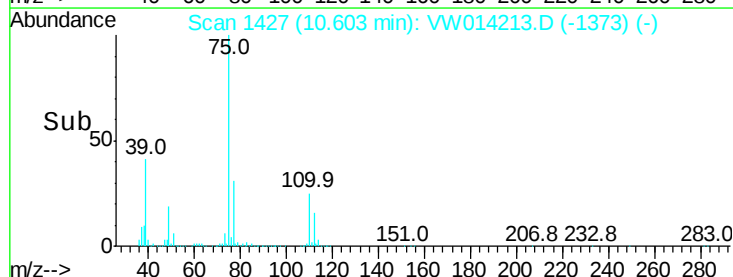
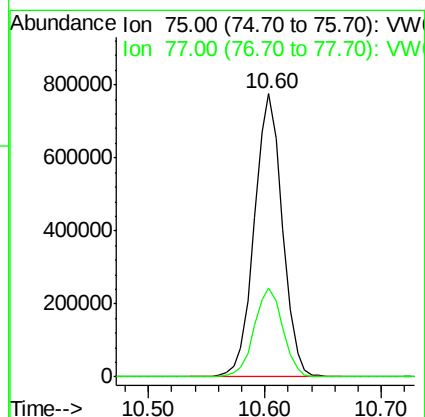
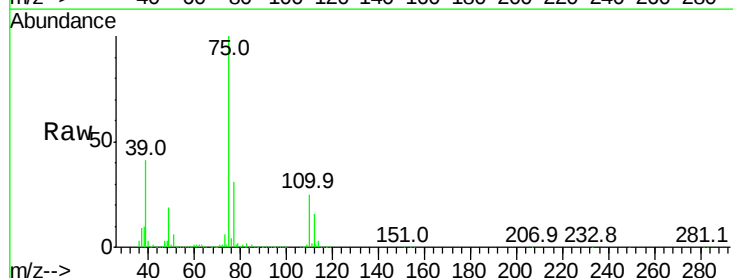
Acq: 05 Dec 2019 13:41

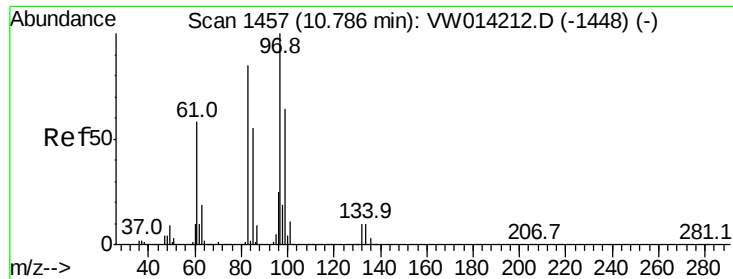
Tgt Ion: 75 Resp: 1301893

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 46.419 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

Tgt Ion: 97 Resp: 772663

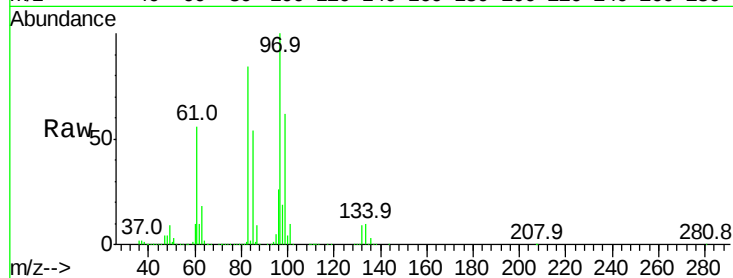
Ion Ratio Lower Upper

97 100

83 83.8 58.9 109.5

85 54.5 38.1 70.9

99 62.3 46.5 86.3

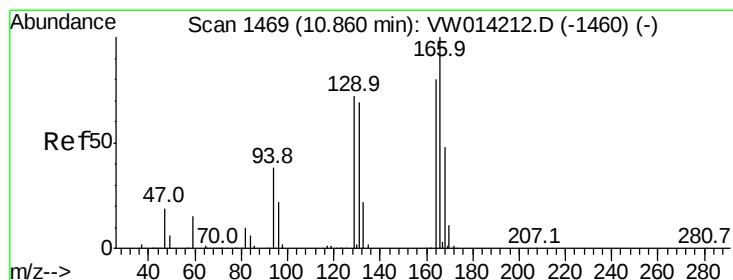
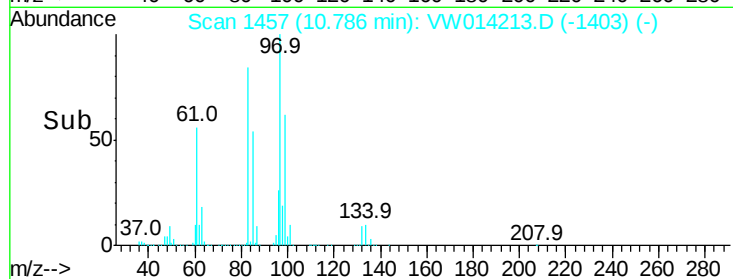
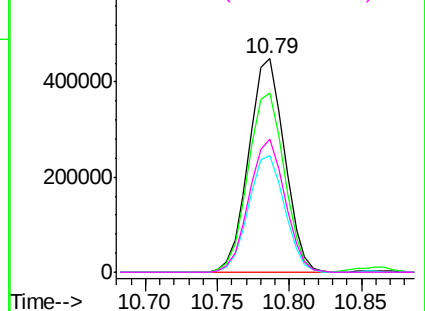


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 36.758 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

Tgt Ion: 164 Resp: 822472

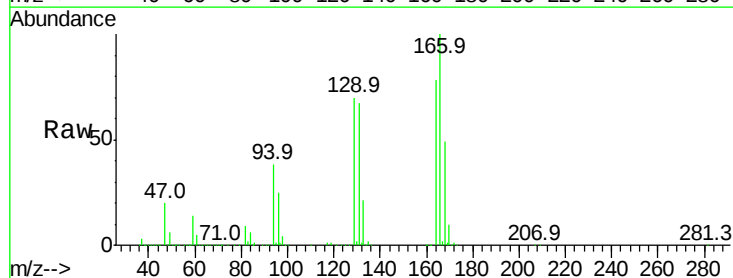
Ion Ratio Lower Upper

164 100

129 89.6 60.6 112.6

131 86.3 59.1 109.7

166 128.2 90.8 168.6

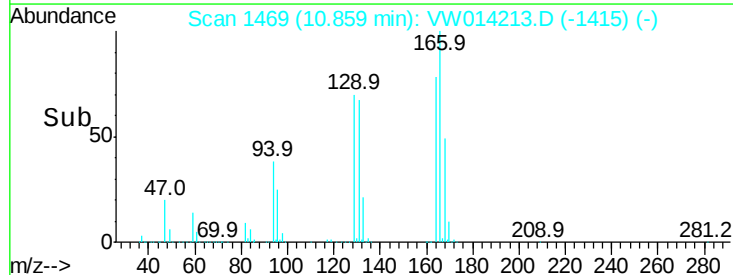
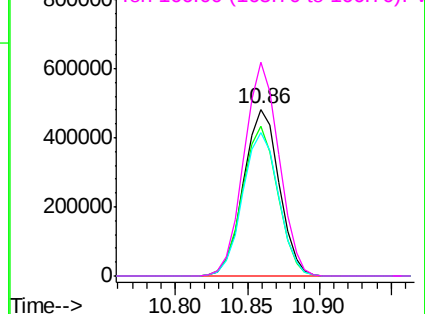


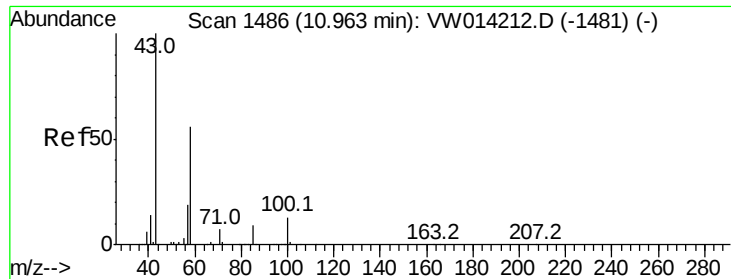
Abundance Ion 164.00 (163.70 to 164.70): V

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



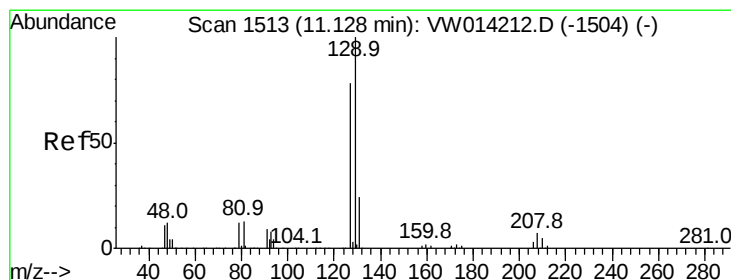
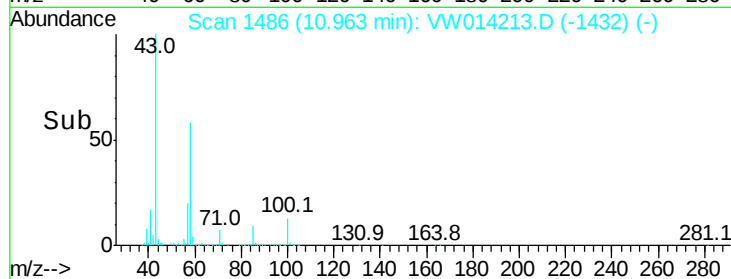
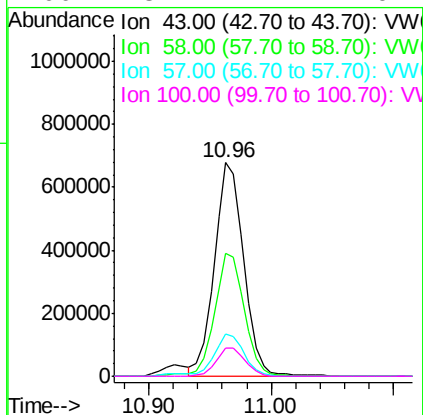
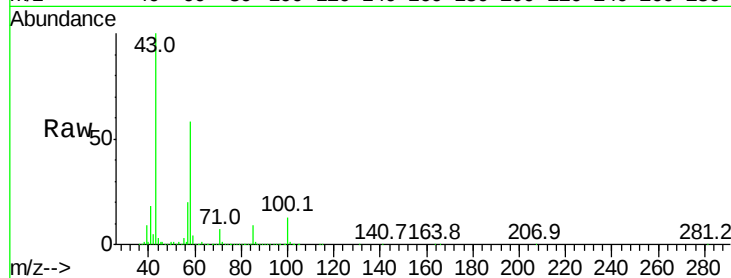


#49
2-Hexanone
Concen: 104.681 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014213.D
Acq: 05 Dec 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

Tgt Ion: 43 Resp: 1128839

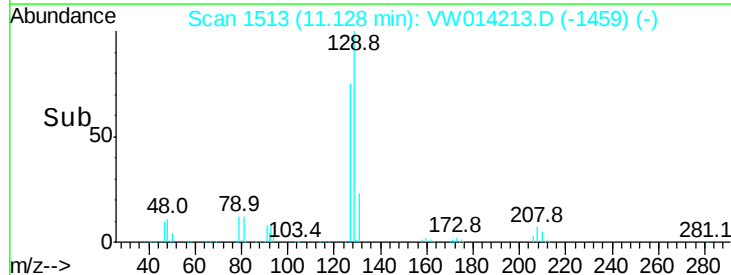
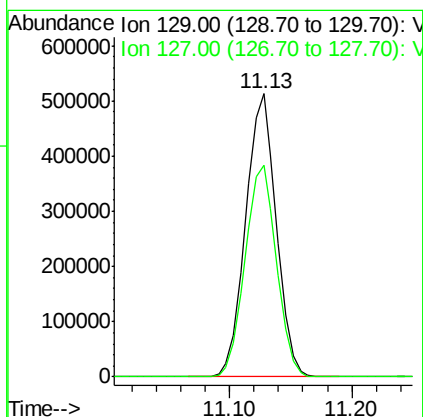
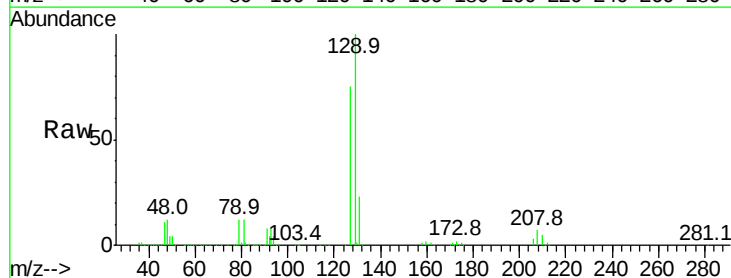
Ion	Ratio	Lower	Upper
43	100		
58	57.0	44.4	66.6
57	19.7	16.5	24.7
100	13.2	11.1	16.7

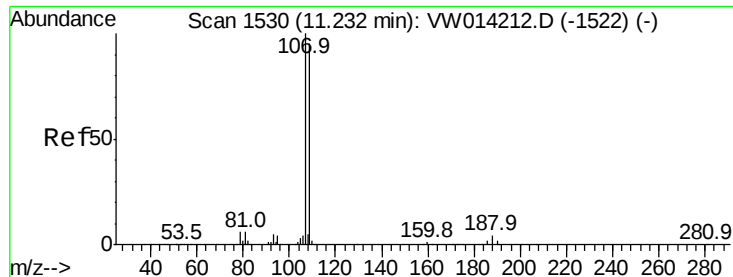


#50
Dibromochloromethane
Concen: 45.595 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014213.D
Acq: 05 Dec 2019 13:41

Tgt Ion: 129 Resp: 892054

Ion	Ratio	Lower	Upper
129	100		
127	75.0	54.9	102.1





#51

1,2-Dibromoethane

Concen: 46.303 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

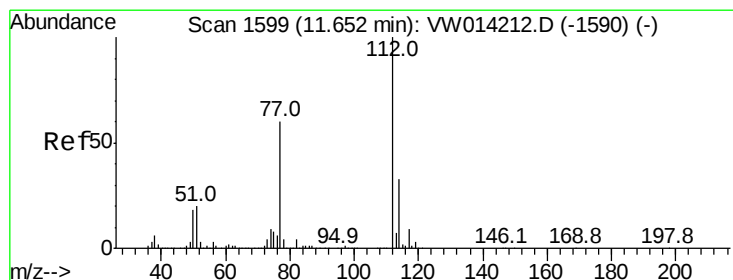
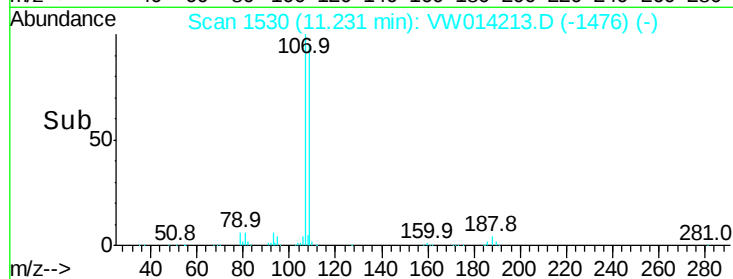
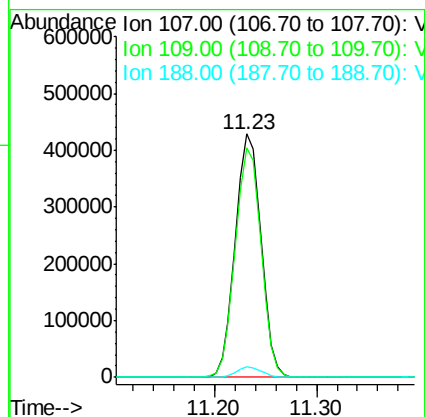
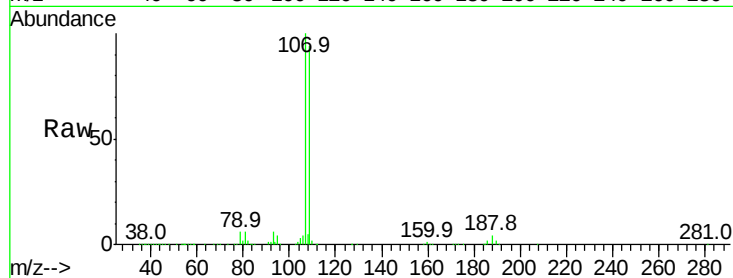
Tgt Ion:107 Resp: 747792

Ion Ratio Lower Upper

107 100

109 94.5 64.6 120.0

188 4.3 3.9 5.9



#52

Chlorobenzene

Concen: 40.792 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

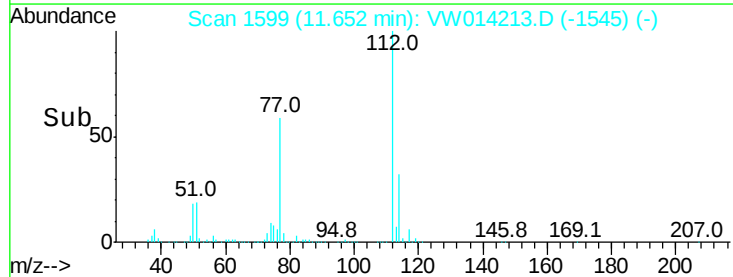
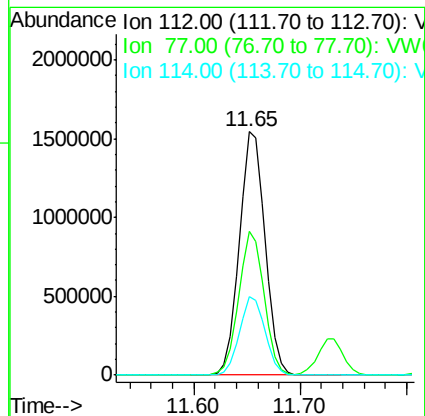
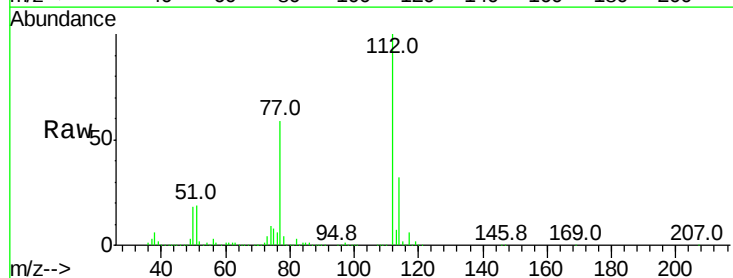
Tgt Ion:112 Resp: 2623849

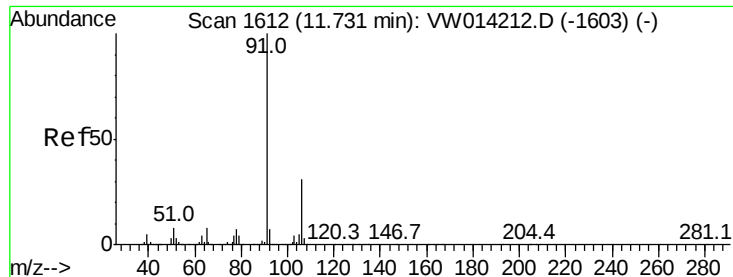
Ion Ratio Lower Upper

112 100

77 59.1 42.2 63.4

114 32.1 22.5 41.9





#53

Ethylbenzene

Concen: 40.450 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

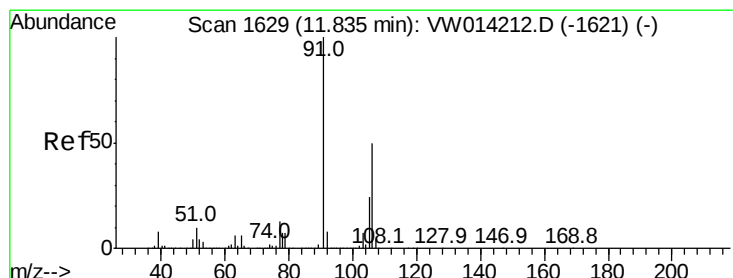
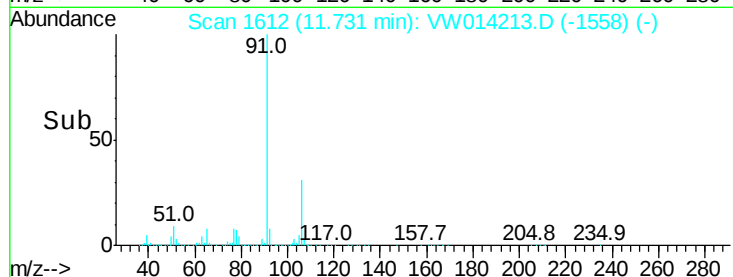
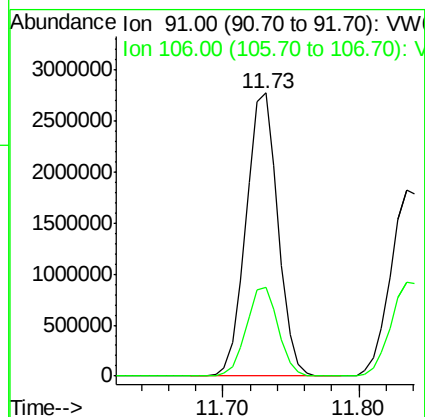
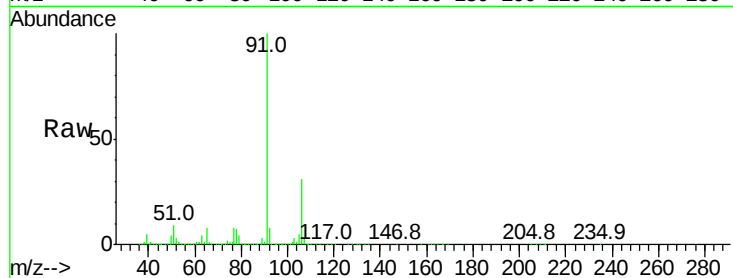
VSTD05004

Tgt Ion: 91 Resp: 4554238

Ion Ratio Lower Upper

91 100

106 31.4 22.3 41.5



#54

m,p-Xylene

Concen: 40.312 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014213.D

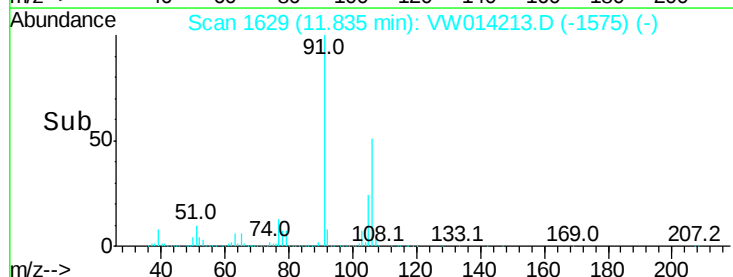
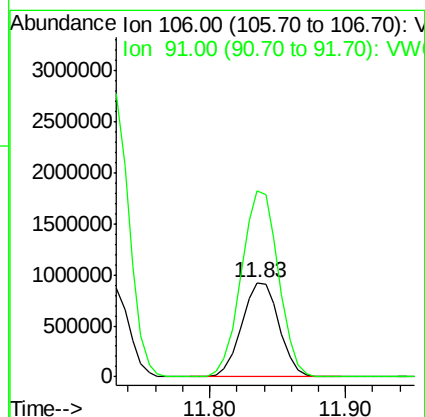
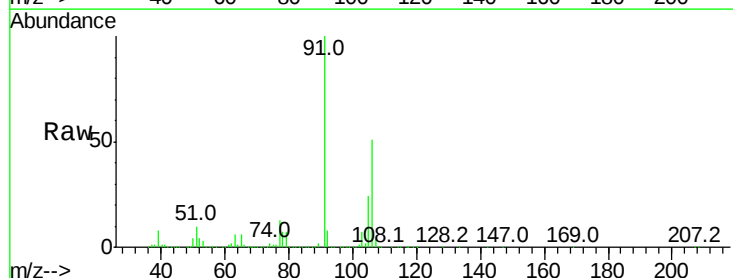
Acq: 05 Dec 2019 13:41

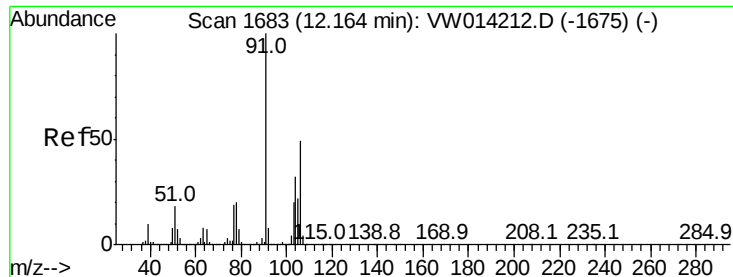
Tgt Ion: 106 Resp: 1763885

Ion Ratio Lower Upper

106 100

91 197.7 138.7 257.5





#55

o-xylene

Concen: 41.276 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

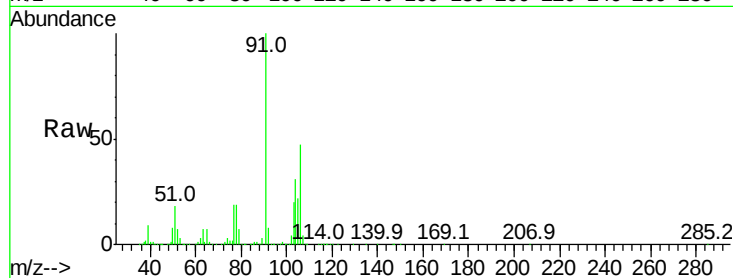
VSTD05004

Tgt Ion:106 Resp: 1691234

Ion Ratio Lower Upper

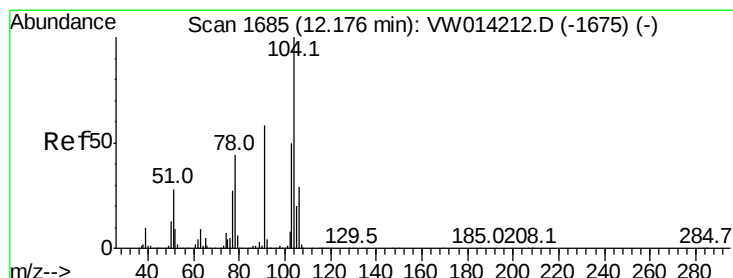
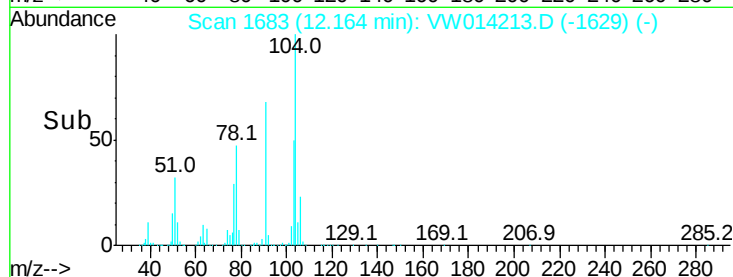
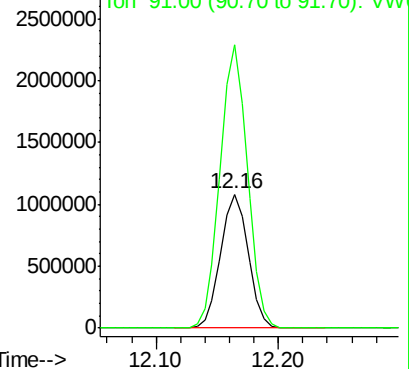
106 100

91 211.5 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 42.325 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014213.D

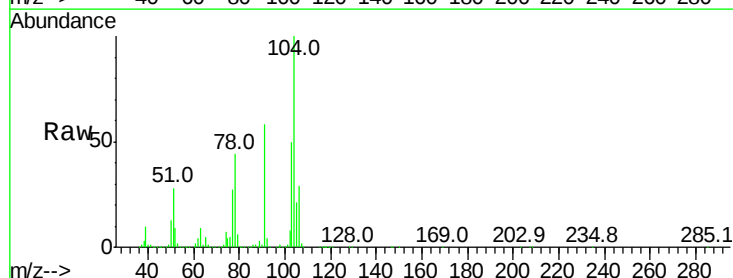
Acq: 05 Dec 2019 13:41

Tgt Ion:104 Resp: 2929591

Ion Ratio Lower Upper

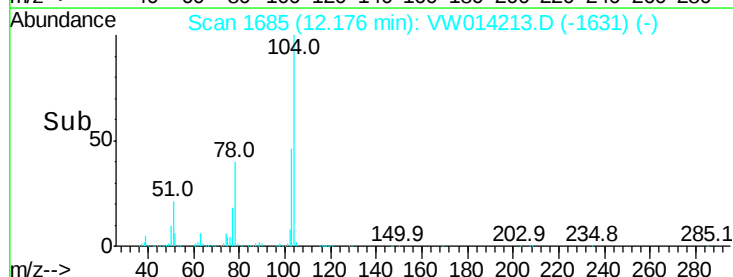
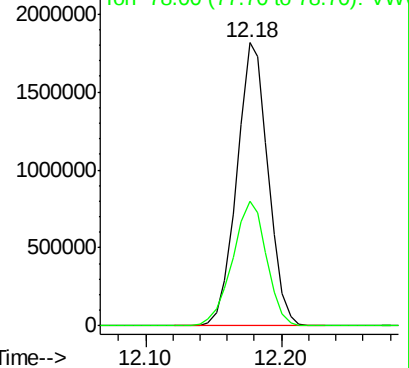
104 100

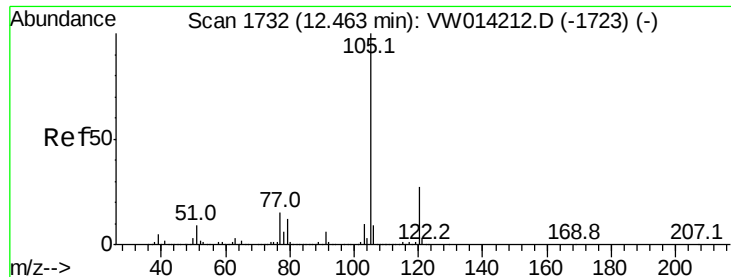
78 44.0 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 38.662 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

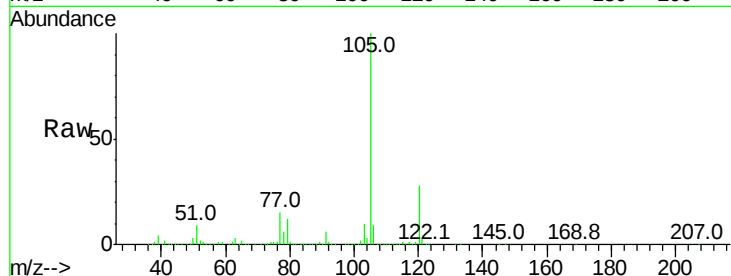
Tgt Ion:105 Resp: 4355547

Ion Ratio Lower Upper

105 100

120 27.1 21.6 32.4

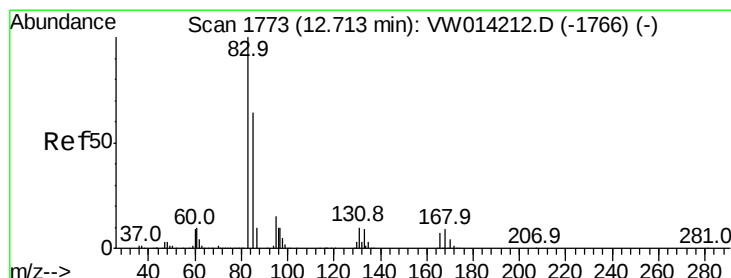
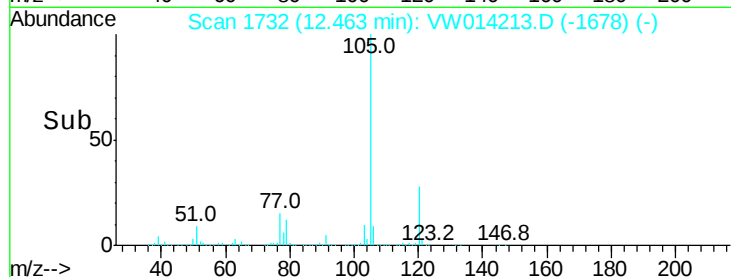
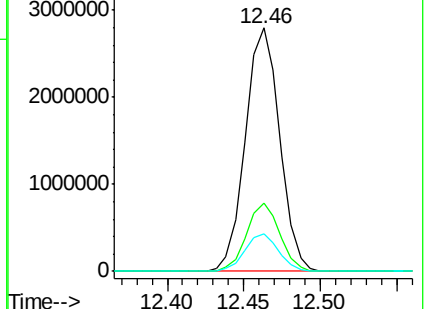
77 15.1 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.010 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

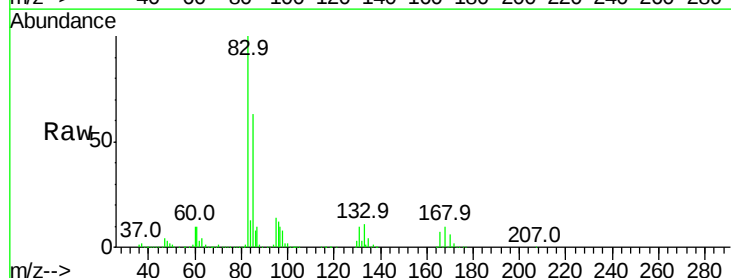
Tgt Ion: 83 Resp: 971867

Ion Ratio Lower Upper

83 100

85 62.8 43.7 81.1

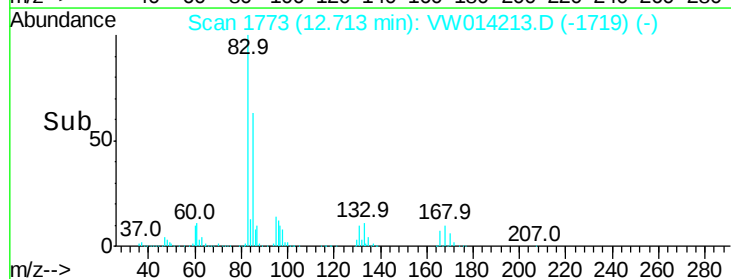
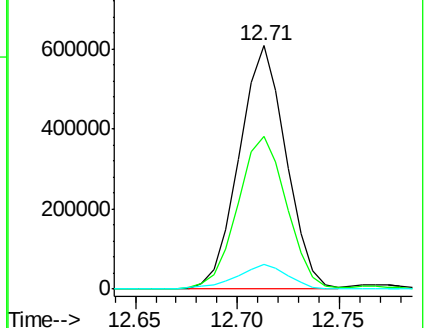
131 10.1 8.2 12.2

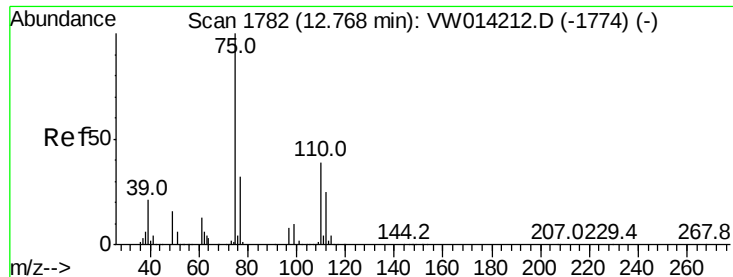


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.049 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

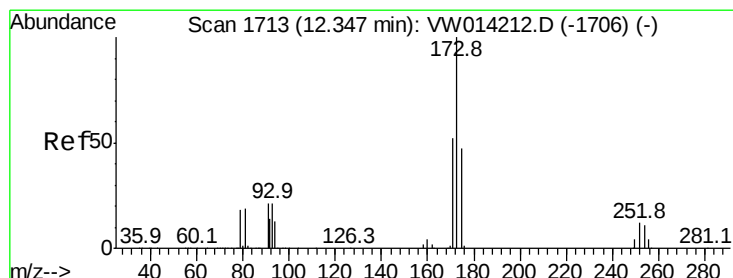
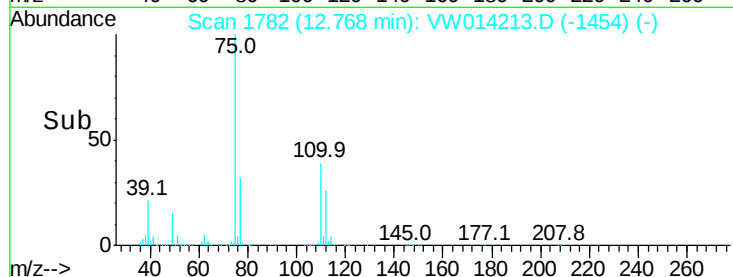
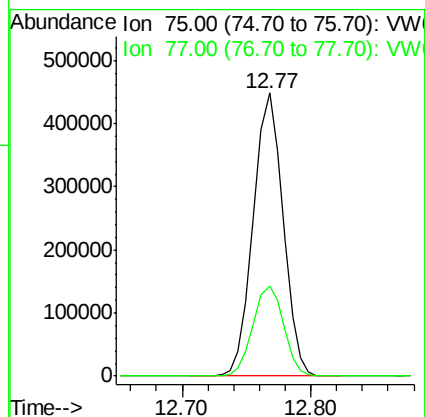
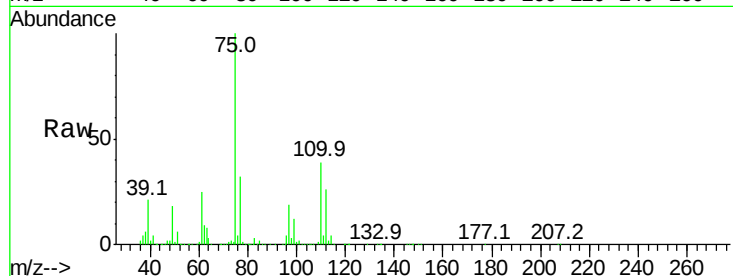
VSTD05004

Tgt Ion: 75 Resp: 716879

Ion Ratio Lower Upper

75 100

77 32.8 25.9 38.9



#62

Bromoform

Concen: 54.099 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

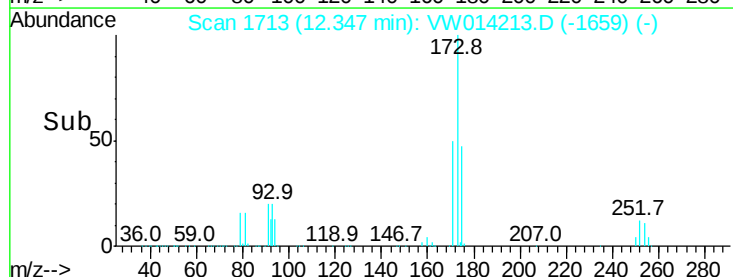
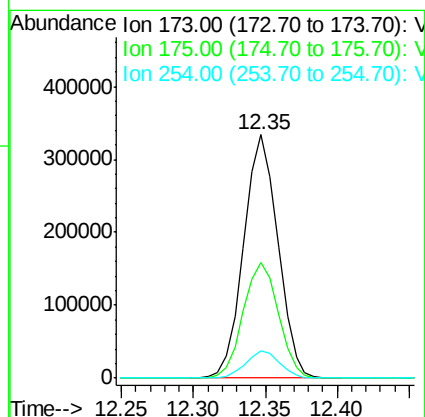
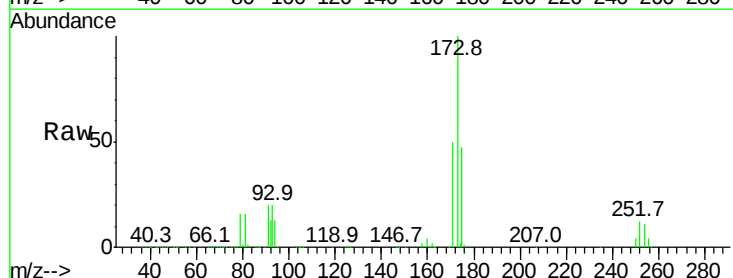
Tgt Ion: 173 Resp: 550200

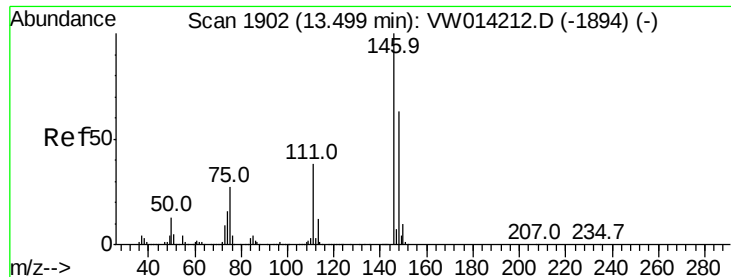
Ion Ratio Lower Upper

173 100

175 48.9 38.8 58.2

254 11.1 9.4 14.0

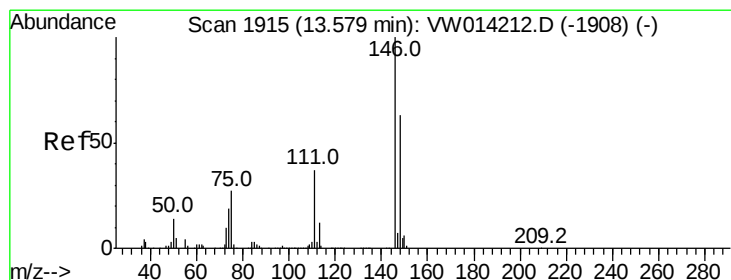
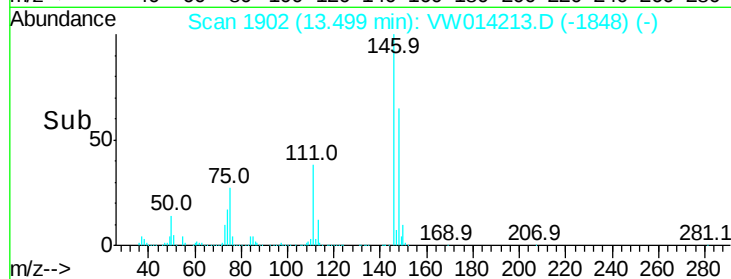
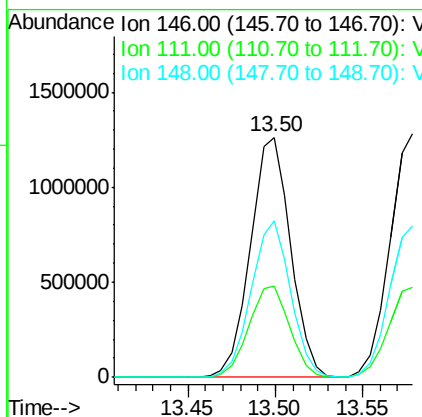
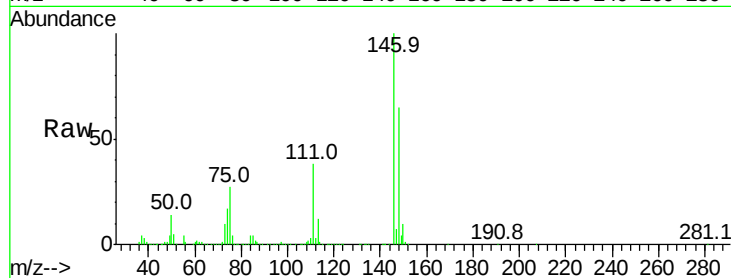




#63
 1,3-Dichlorobenzene
 Concen: 46.542 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014213.D
 Acq: 05 Dec 2019 13:41

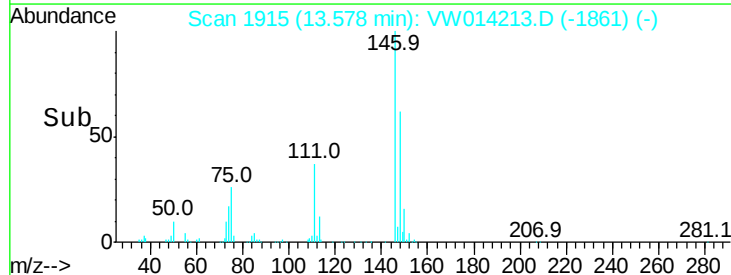
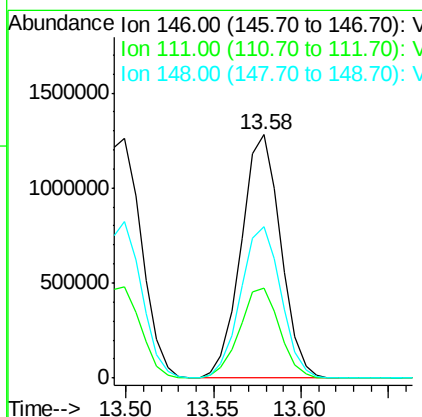
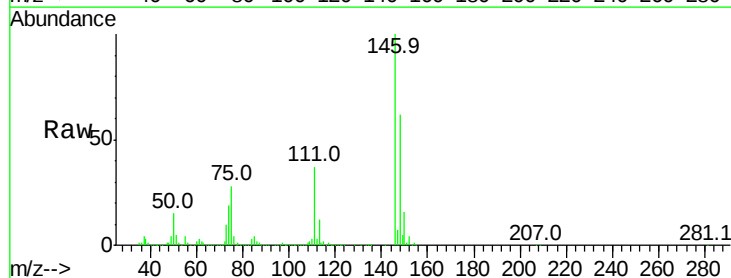
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

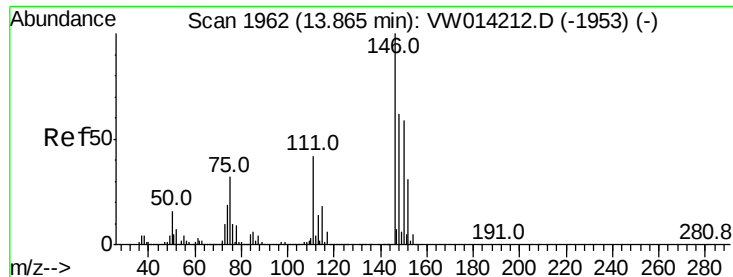
Tgt Ion:146 Resp: 2028099
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.0 48.2
 148 65.4 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 47.059 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014213.D
 Acq: 05 Dec 2019 13:41

Tgt Ion:146 Resp: 2026046
 Ion Ratio Lower Upper
 146 100
 111 36.9 24.9 46.3
 148 62.0 43.9 81.5

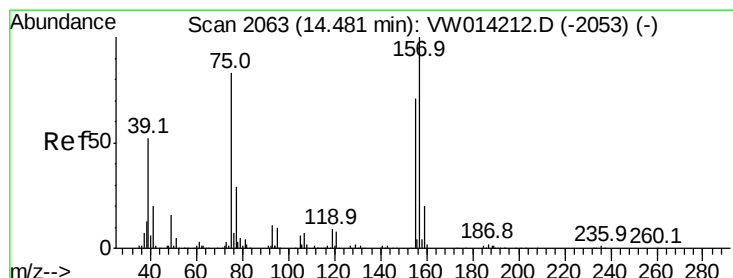
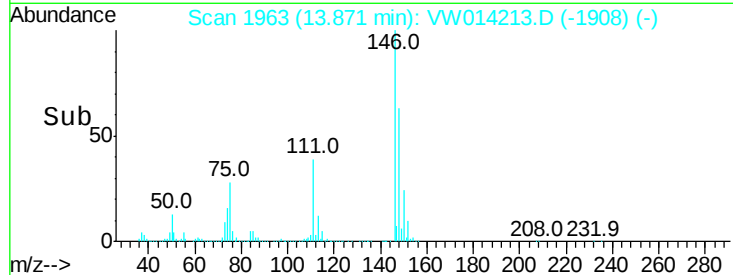
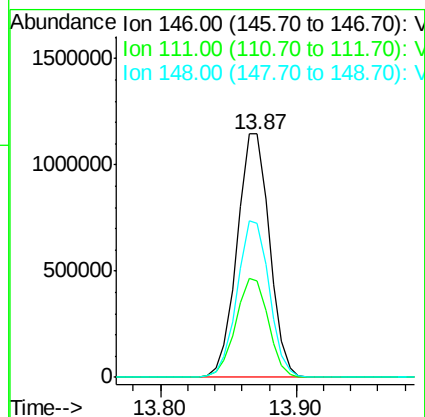
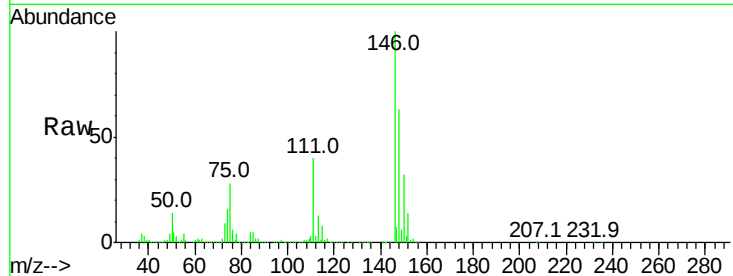




#65
 1,2-Dichlorobenzene
 Concen: 49.365 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014213.D
 Acq: 05 Dec 2019 13:41

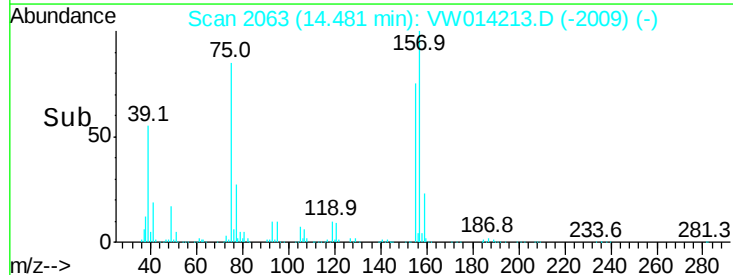
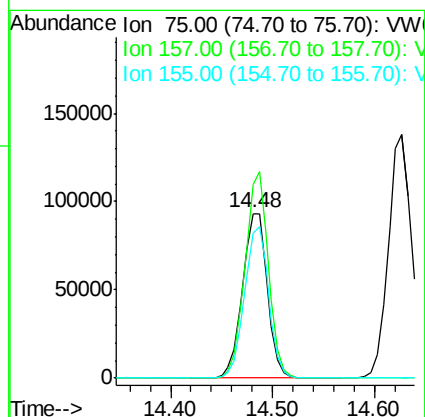
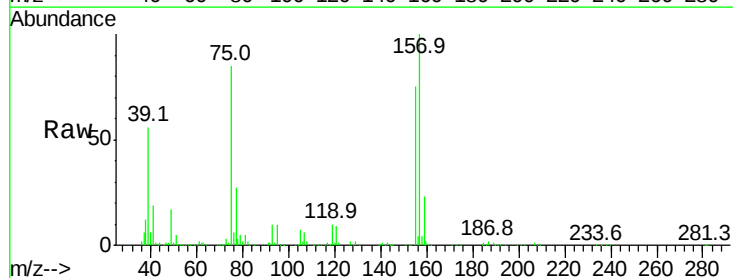
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

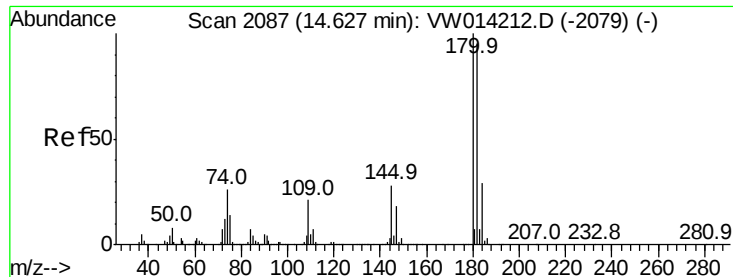
Tgt Ion:146 Resp: 1904843
 Ion Ratio Lower Upper
 146 100
 111 39.6 30.5 45.7
 148 63.0 49.4 74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 59.526 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014213.D
 Acq: 05 Dec 2019 13:41

Tgt Ion: 75 Resp: 156426
 Ion Ratio Lower Upper
 75 100
 157 117.9 96.9 145.3
 155 88.1 82.9 124.3

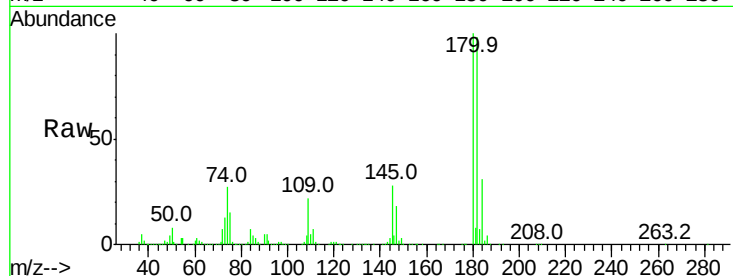




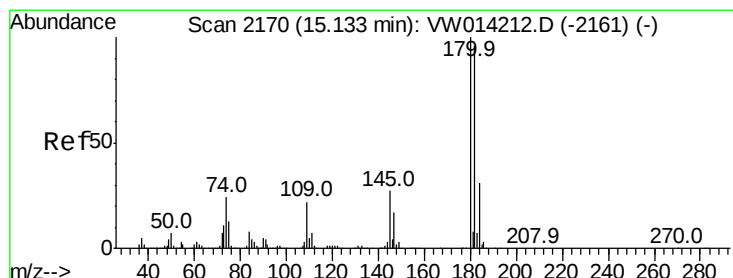
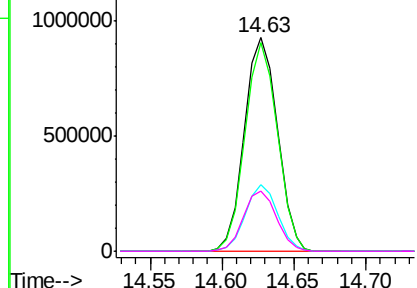
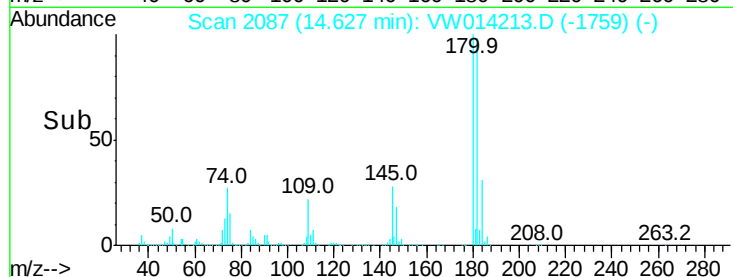
#67
 1,3,5-Trichlorobenzene
 Concen: 44.506 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014213.D
 Acq: 05 Dec 2019 13:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

Tgt Ion:180 Resp: 1477992
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.2 114.2
 184 30.4 24.3 36.5
 145 28.0 21.9 32.9

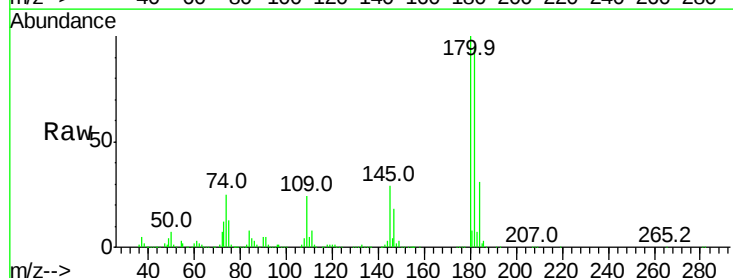


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

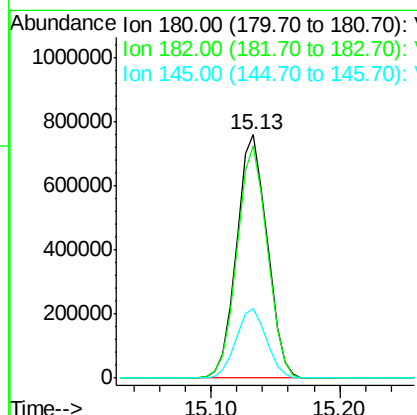
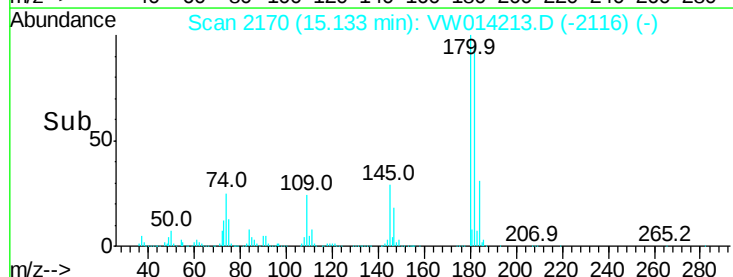


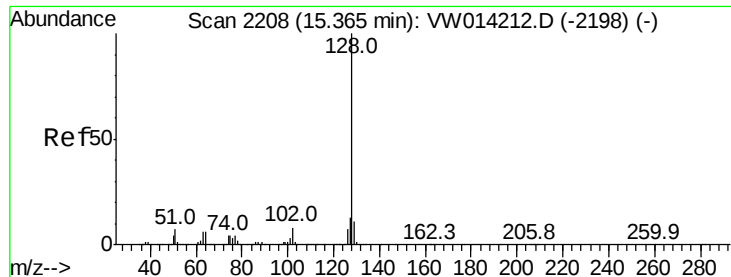
#68
 1,2,4-trichlorobenzene
 Concen: 47.736 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014213.D
 Acq: 05 Dec 2019 13:41

Tgt Ion:180 Resp: 1246480
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.8 113.8
 145 28.7 22.4 33.6



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: 57.631 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

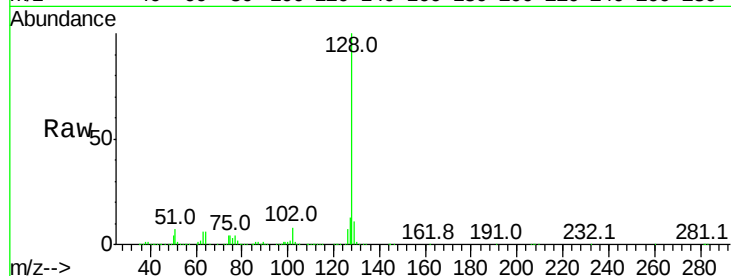
Tgt Ion:128 Resp: 2673473

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

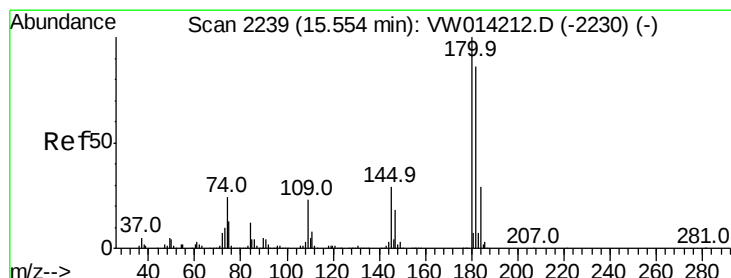
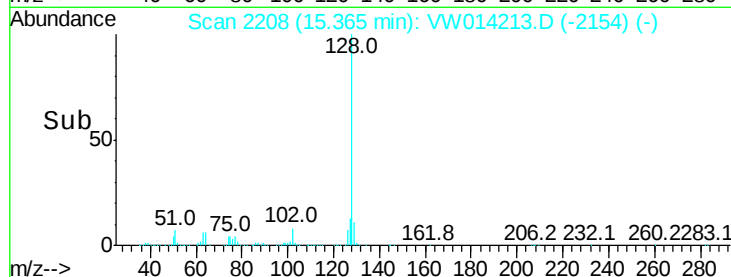
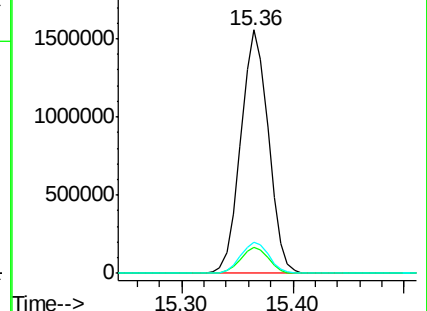
127 13.0 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.649 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014213.D

Acq: 05 Dec 2019 13:41

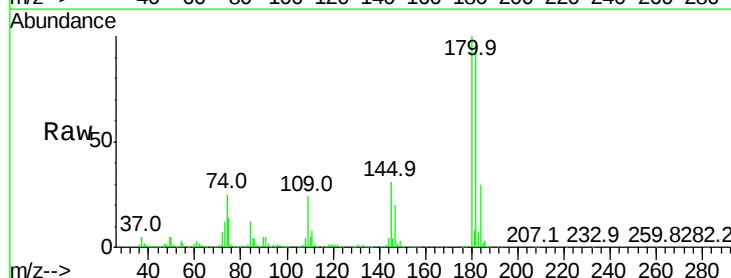
Tgt Ion:180 Resp: 1144149

Ion Ratio Lower Upper

180 100

182 95.9 75.8 113.6

145 30.7 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

