

Data File : VW014479.D
Acq On : 27 Dec 2019 20:20
Operator : SY/VA
Sample : VSTD100
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10006

Quant Time: Dec 27 20:45:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 27 20:30:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1181166	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1086355	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	524817	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	1606947	89.84	ug/L	0.00
7) Chloroethane-d5	2.88	69	1291048	97.08	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	3127783	99.00	ug/L	0.00
20) 2-Butanone-d5	7.07	46	964885	207.02	ug/L	0.00
24) Chloroform-d	7.64	84	2953155	98.20	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	1528563	96.94	ug/L	0.00
29) Benzene-d6	8.27	84	6132202	96.32	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	1914373	97.73	ug/L	0.00
37) Toluene-d8	10.32	98	5679965	98.66	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	854604	103.99	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	780113	200.29	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	1511366	94.68	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	1944888	96.98	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	1082011	96.315	ug/L	98
3) Chloromethane	2.21	50	1176521	104.176	ug/L	100
5) Vinyl chloride	2.36	62	1601378	95.766	ug/L	99
6) Bromomethane	2.78	94	946526	91.767	ug/L	100
8) Chloroethane	2.92	64	945422	98.963	ug/L	100
9) Trichlorofluoromethane	3.25	101	950896	114.867	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	1477228	94.818	ug/L	100
12) 1,1-Dichloroethene	4.04	96	1524964	96.681	ug/L	85
13) Acetone	4.12	43	713502	158.773	ug/L	100
14) Carbon disulfide	4.39	76	4610393	95.303	ug/L	98
15) Methyl Acetate	4.66	43	804389	94.633	ug/L	99
16) Methylene chloride	4.92	84	1565174	86.440	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	2021432	97.182	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	1599023	94.664	ug/L	98
19) 1,1-Dichloroethane	6.21	63	2882044	94.966	ug/L	99
21) 2-Butanone	7.17	43	1093643	181.269	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	1733204	96.431	ug/L	98
23) Bromochloromethane	7.51	128	739879	89.491	ug/L	99
25) Chloroform	7.67	83	2726175	92.442	ug/L	100
27) 1,2-Dichloroethane	8.40	62	1780588	92.205	ug/L	99
30) Cyclohexane	7.95	56	2869342	105.818	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	2125214	97.410	ug/L	100
32) Carbon tetrachloride	8.07	117	2041949	98.640	ug/L	99
34) Benzene	8.32	78	6311130	91.751	ug/L	100
35) Trichloroethene	9.09	95	1652646	93.903	ug/L	99
36) Methylcyclohexane	9.33	83	2978240	100.705	ug/L	98
40) 1,2-Dichloropropane	9.37	63	1607297	90.955	ug/L	100
41) Bromodichloromethane	9.64	83	2028672	94.464	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	2654358	100.300	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	2256448	193.640	ug/L	100

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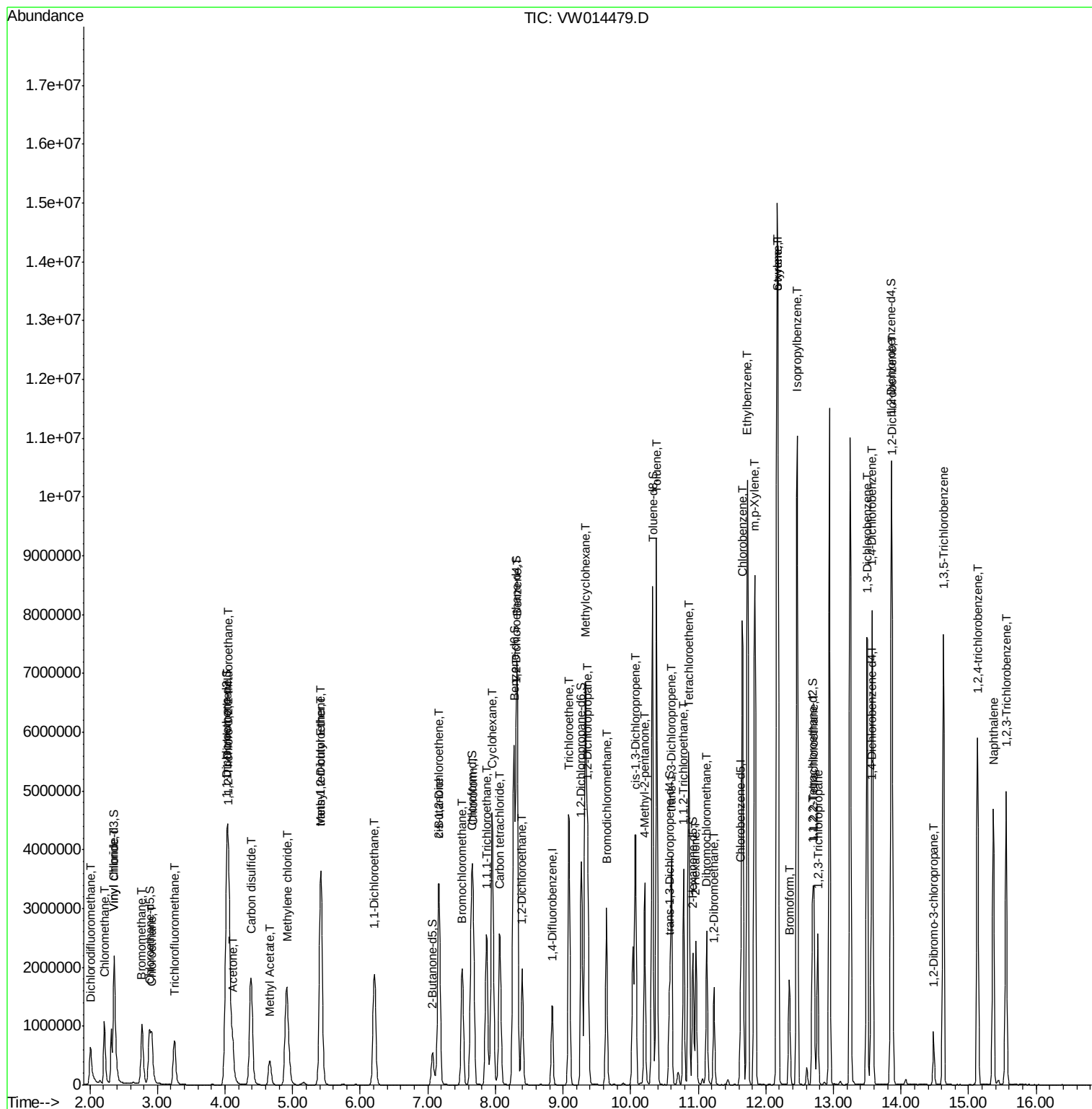
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	6707119	93.007	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	2134715	99.651	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	1194512	90.206	ug/L	99
47) Tetrachloroethene	10.86	164	1380309	94.098	ug/L	98
49) 2-Hexanone	10.96	43	1567345	188.925	ug/L	99
50) Dibromochloromethane	11.13	129	1420144	95.556	ug/L	96
51) 1,2-Dibromoethane	11.23	107	1154225	92.021	ug/L	98
52) Chlorobenzene	11.65	112	4252525	91.241	ug/L	99
53) Ethylbenzene	11.73	91	7476727	95.550	ug/L	98
54) m,p-Xylene	11.83	106	2891190	96.052	ug/L	97
55) o-xylene	12.16	106	2789309	97.698	ug/L	96
56) Styrene	12.18	104	4673416	95.683	ug/L	99
57) Isopropylbenzene	12.46	105	7308645	98.605	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	1457810	88.698	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	1083857	88.748	ug/L	100
62) Bromoform	12.35	173	855442	96.038	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	3342389	94.753	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	3288147	91.747	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	3014940	91.910	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	234206	92.553	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	2468761	97.275	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	2040780	103.149	ug/L	98
69) Naphthalene	15.36	128	4056494	109.027	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	1823107	98.262	ug/L	99

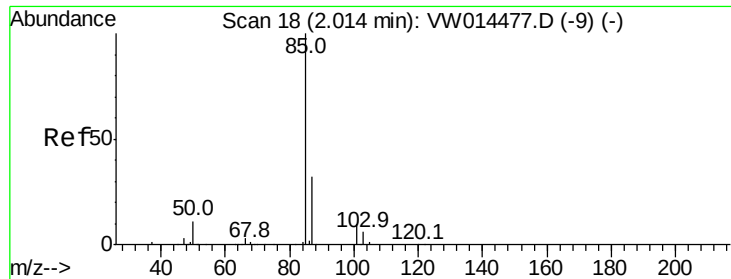
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 96.315 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

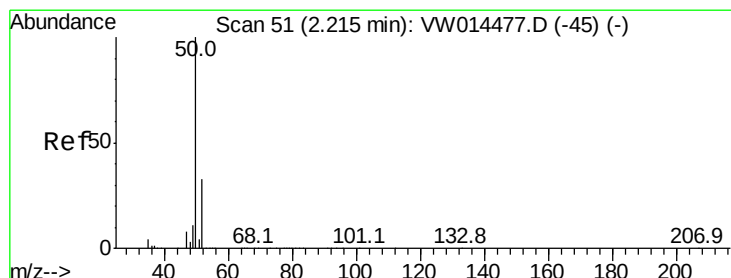
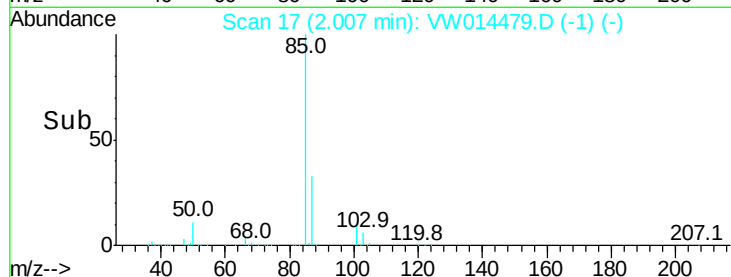
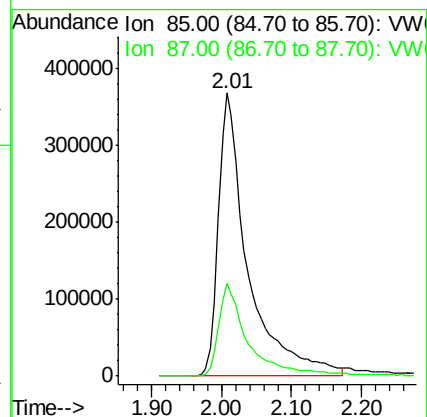
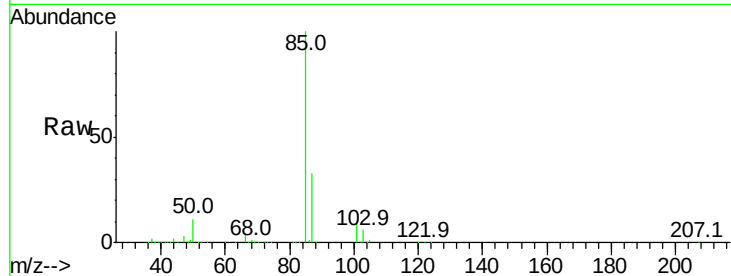
VSTD10006

Tgt Ion: 85 Resp: 1082011

Ion Ratio Lower Upper

85 100

87 31.9 21.5 39.9



#3

Chloromethane

Concen: 104.176 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014479.D

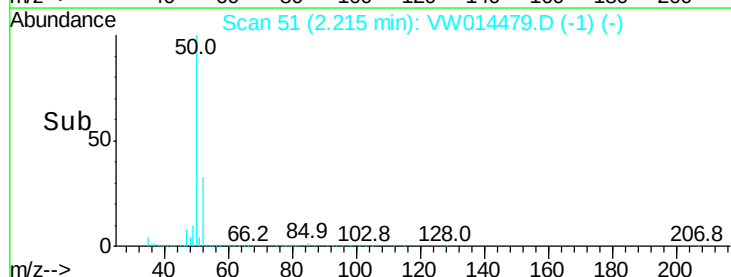
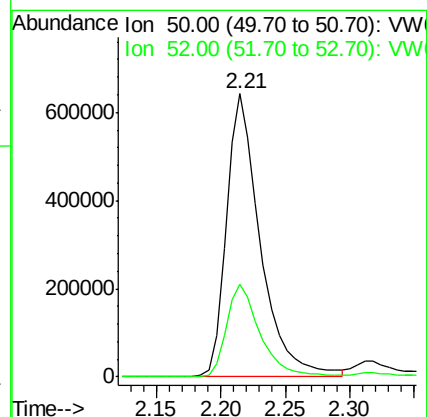
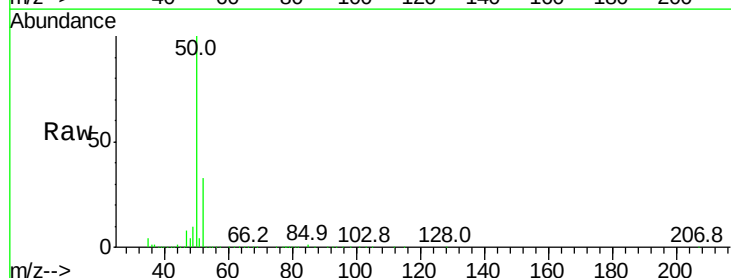
Acq: 27 Dec 2019 20:20

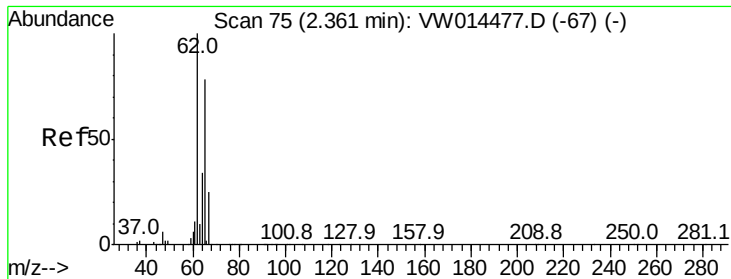
Tgt Ion: 50 Resp: 1176521

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.8





#5

Vinyl chloride

Concen: 95.766 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

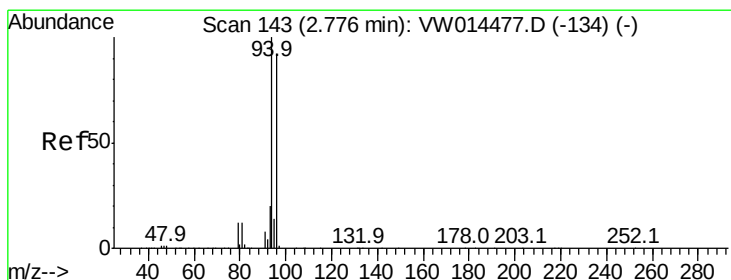
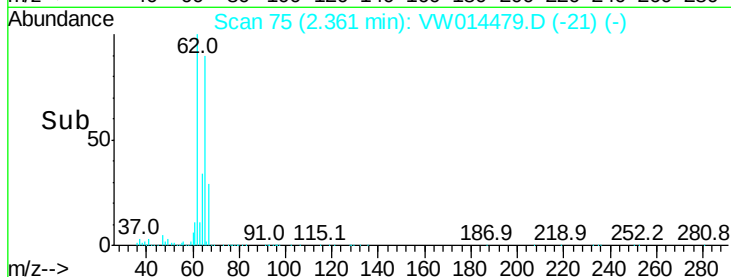
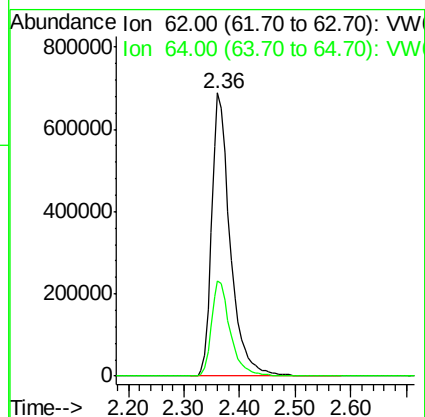
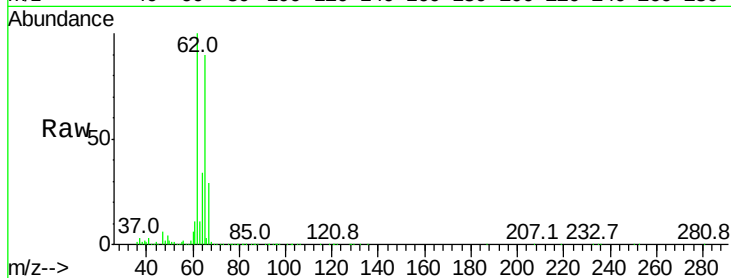
VSTD10006

Tgt Ion: 62 Resp: 1601378

Ion Ratio Lower Upper

62 100

64 33.8 24.1 44.8



#6

Bromomethane

Concen: 91.767 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW014479.D

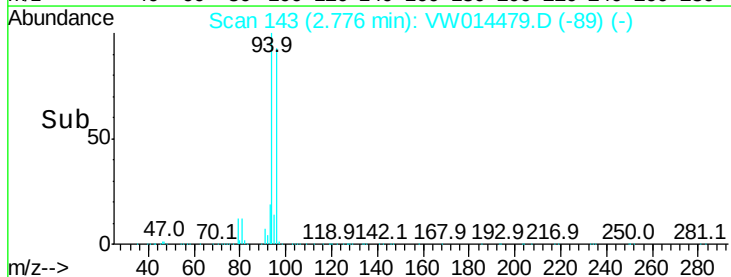
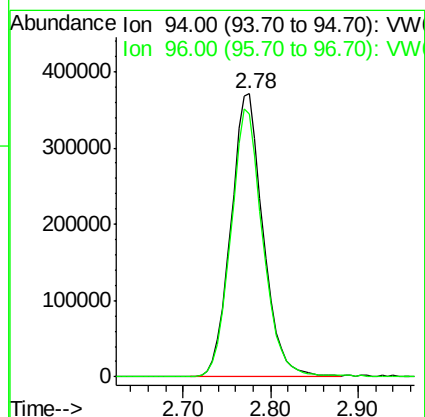
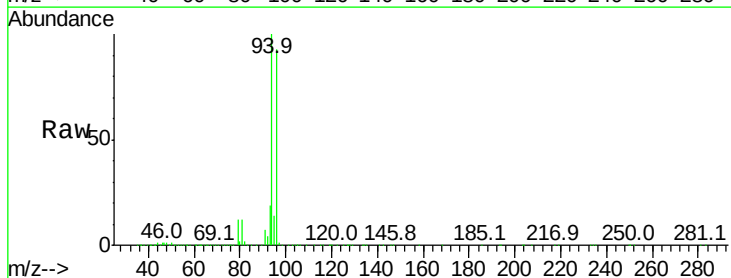
Acq: 27 Dec 2019 20:20

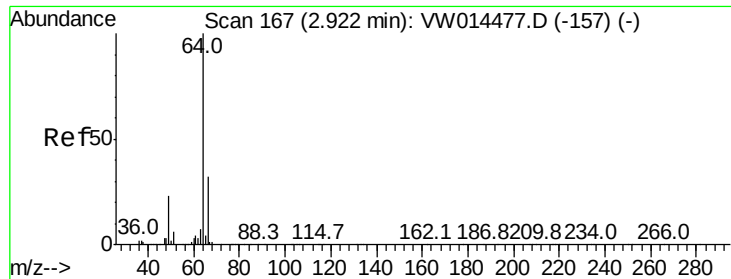
Tgt Ion: 94 Resp: 946526

Ion Ratio Lower Upper

94 100

96 94.5 9.4 178.8





#8

Chloroethane

Concen: 98.963 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

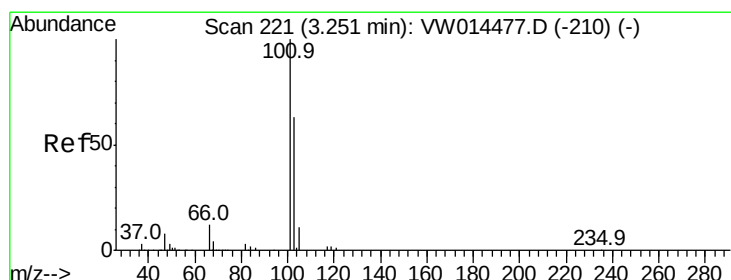
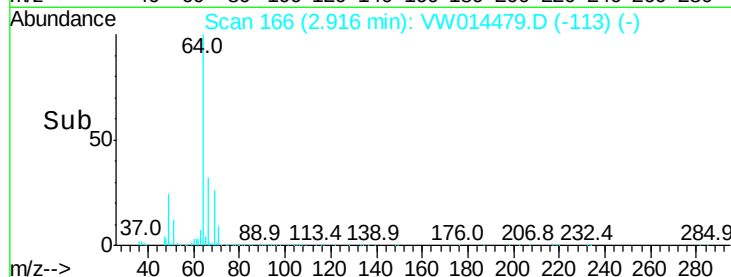
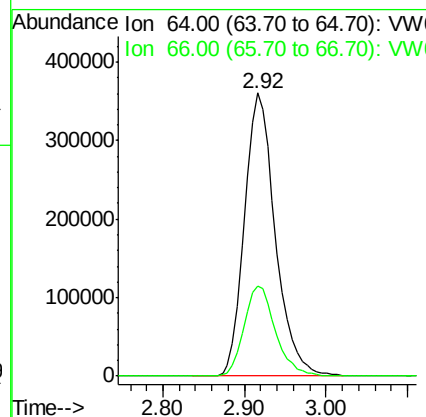
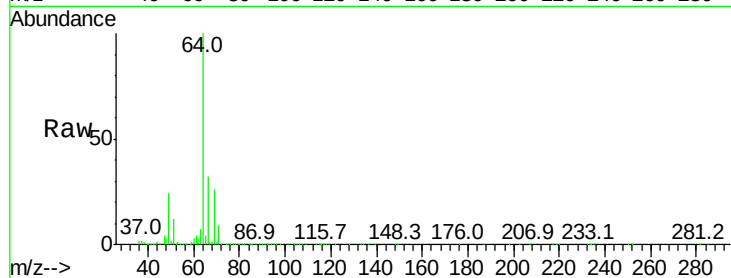
VSTD10006

Tgt Ion: 64 Resp: 945422

Ion Ratio Lower Upper

64 100

66 32.0 22.5 41.7



#9

Trichlorofluoromethane

Concen: 114.867 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.00 min

Lab File: VW014479.D

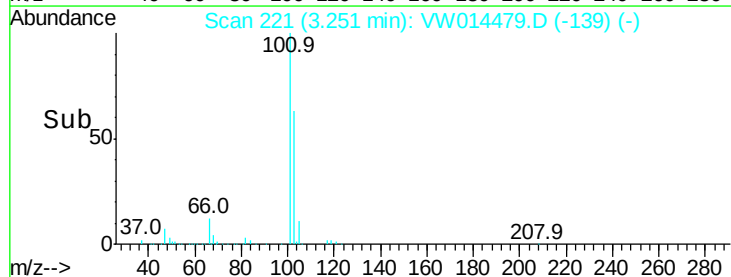
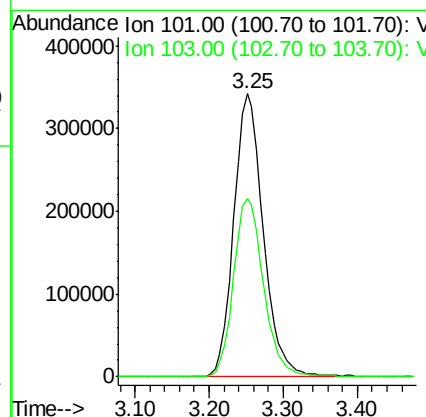
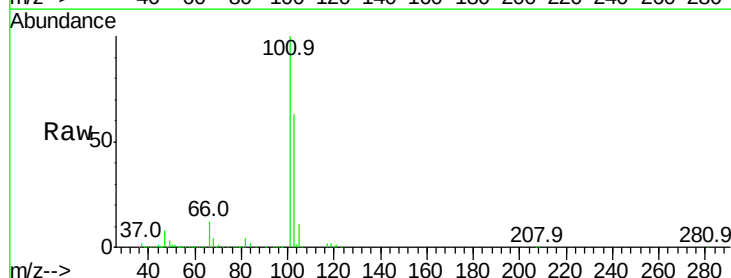
Acq: 27 Dec 2019 20:20

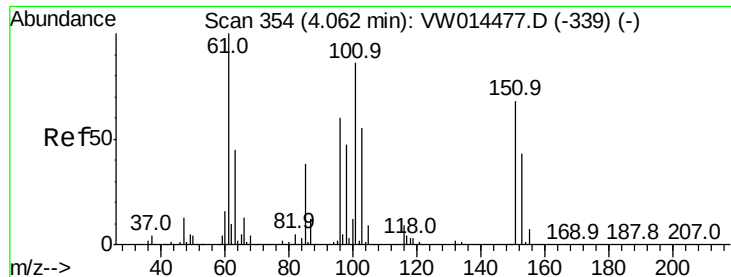
Tgt Ion: 101 Resp: 950896

Ion Ratio Lower Upper

101 100

103 64.1 45.5 84.5





#11

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

Concen: 94.818 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

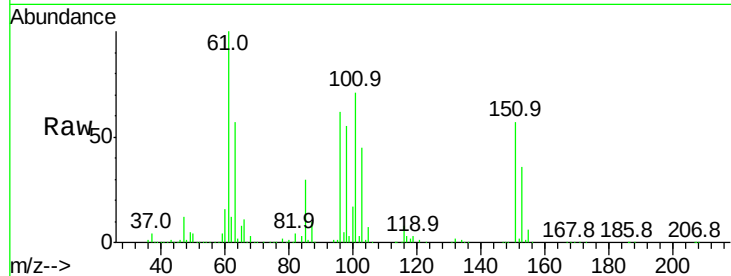
Tgt Ion:101 Resp: 1477228

Ion Ratio Lower Upper

101 100

85 41.8 33.3 49.9

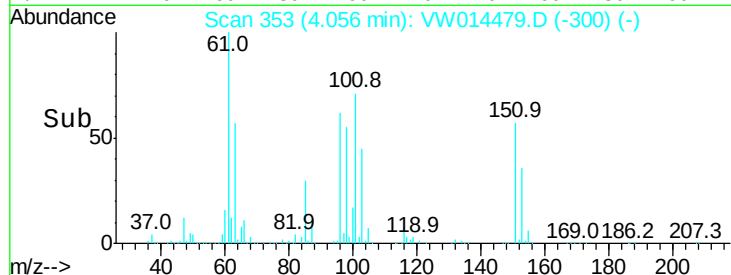
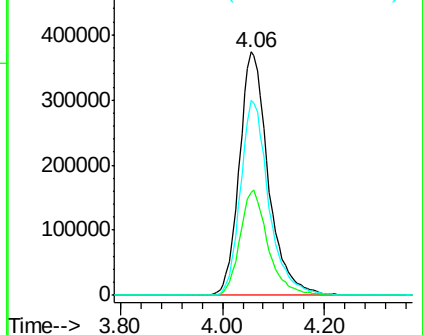
151 78.2 62.5 93.7



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: 96.681 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

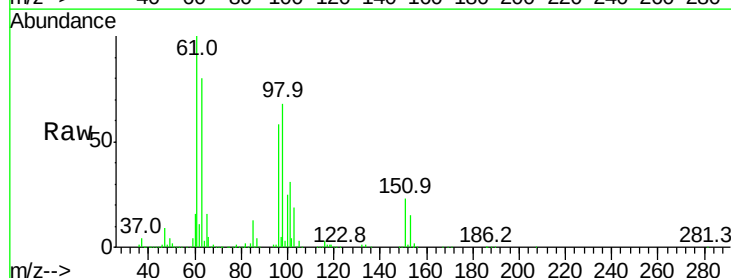
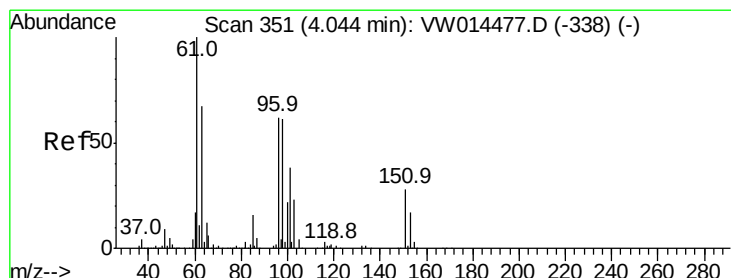
Tgt Ion: 96 Resp: 1524964

Ion Ratio Lower Upper

96 100

61 173.4 114.2 212.0

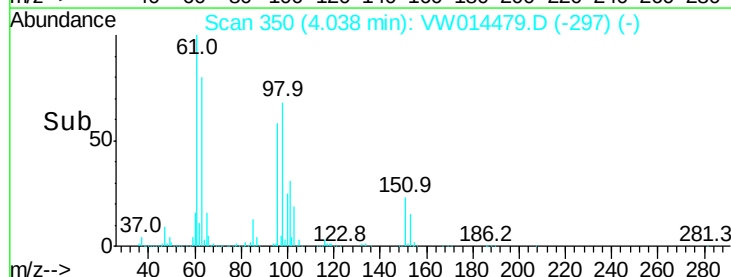
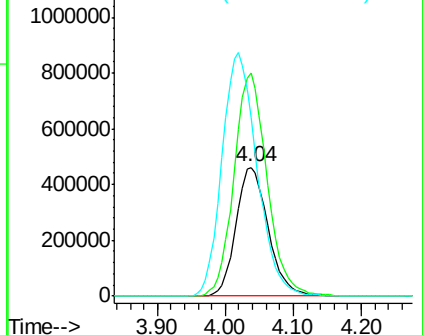
63 138.6 78.6 146.0

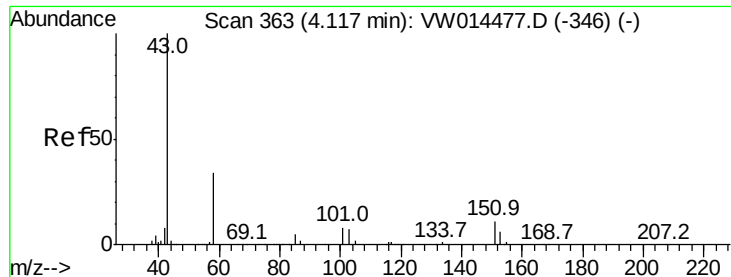


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

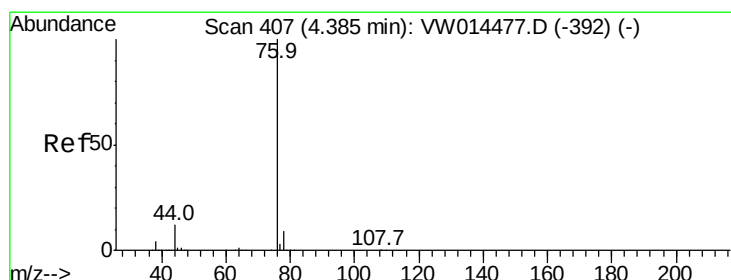
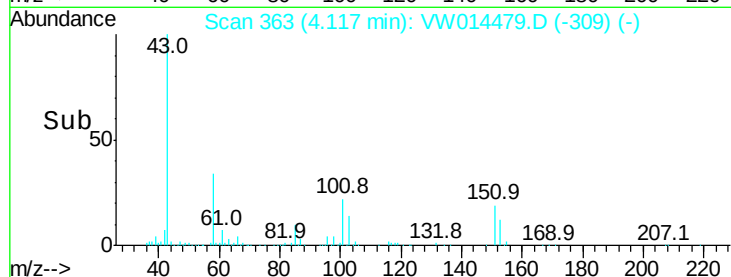
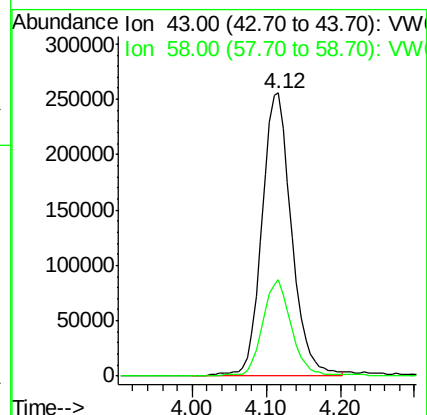
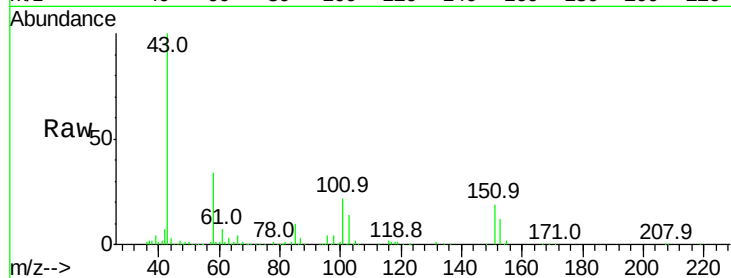




#13
Acetone
Concen: 158.773 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW014479.D
Acq: 27 Dec 2019 20:20

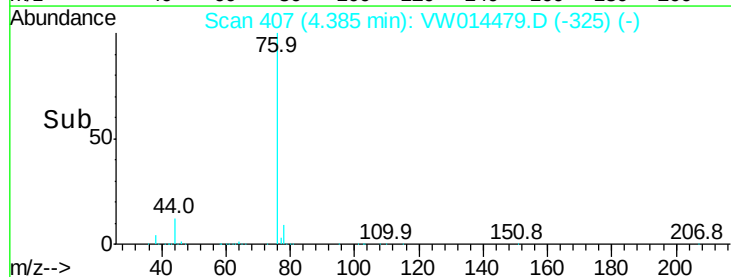
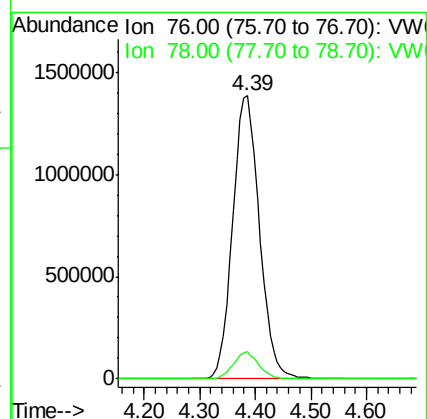
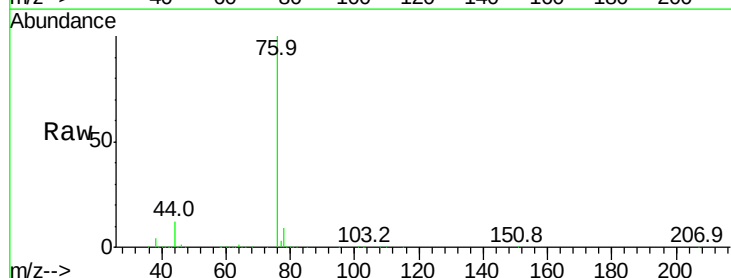
Instrument :
MSVOA_W
ClientSampled :
VSTD10006

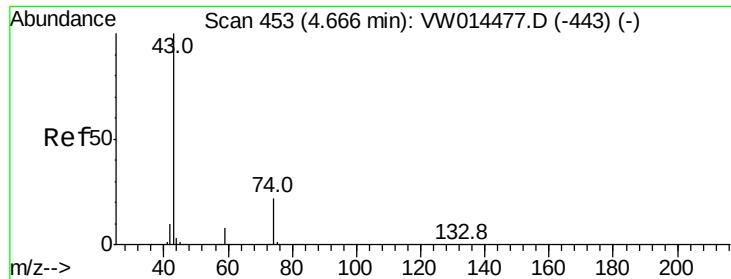
Tgt Ion: 43 Resp: 713502
Ion Ratio Lower Upper
43 100
58 31.9 0.0 64.0



#14
Carbon disulfide
Concen: 95.303 ug/L
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW014479.D
Acq: 27 Dec 2019 20:20

Tgt Ion: 76 Resp: 4610393
Ion Ratio Lower Upper
76 100
78 9.5 6.9 10.3

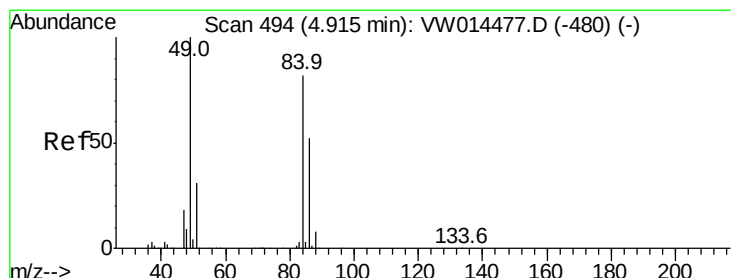
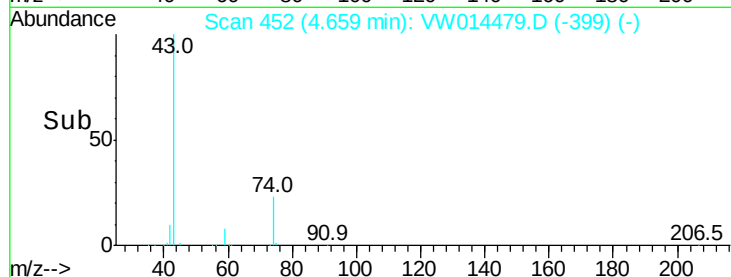
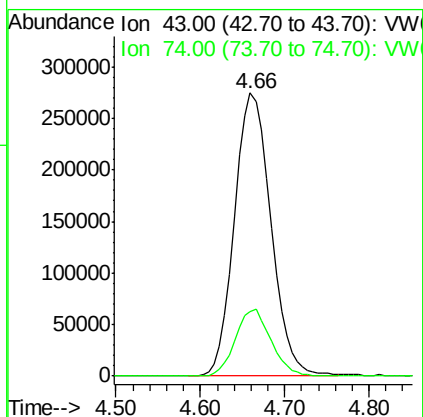
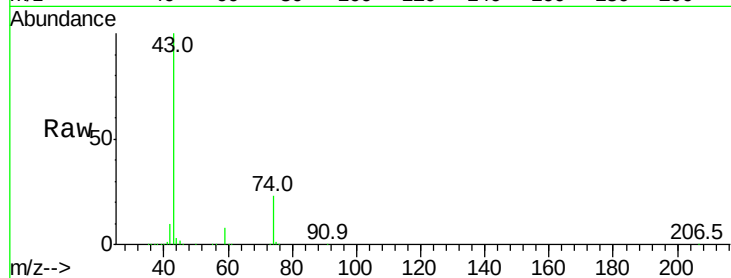




#15
Methyl Acetate
Concen: 94.633 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014479.D
Acq: 27 Dec 2019 20:20

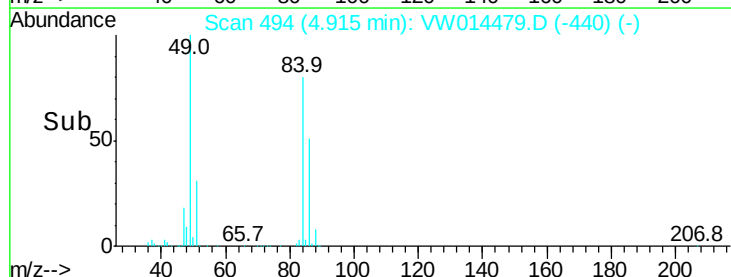
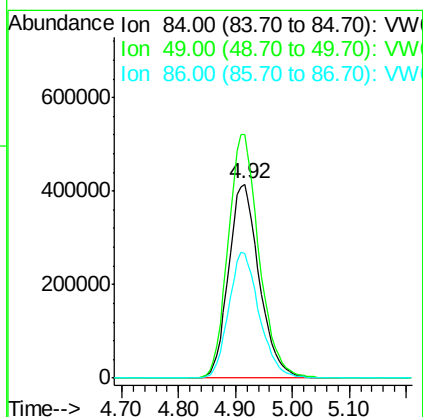
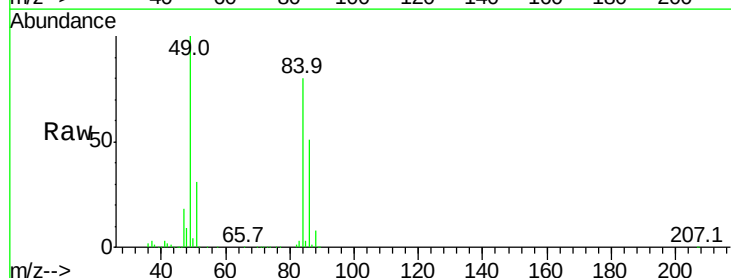
Instrument :
MSVOA_W
ClientSampleId :
VSTD10006

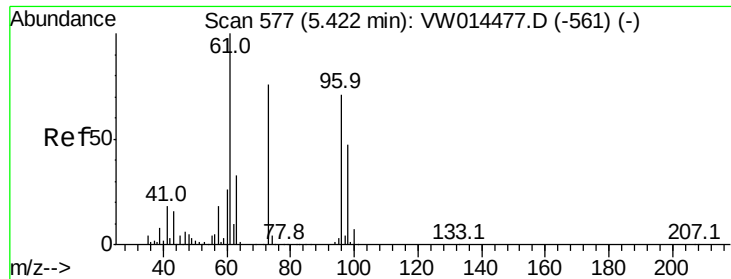
Tgt Ion: 43 Resp: 804389
Ion Ratio Lower Upper
43 100
74 23.1 18.3 27.5



#16
Methylene chloride
Concen: 86.440 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW014479.D
Acq: 27 Dec 2019 20:20

Tgt Ion: 84 Resp: 1565174
Ion Ratio Lower Upper
84 100
49 125.4 85.8 159.4
86 64.1 44.5 82.7



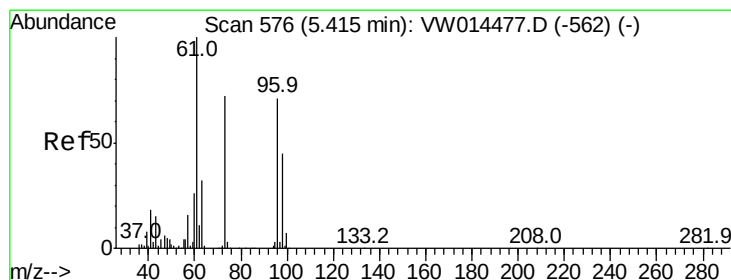
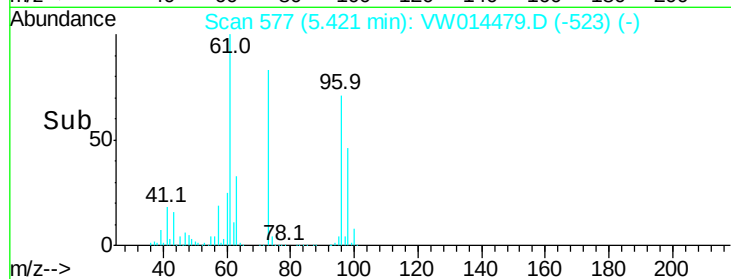
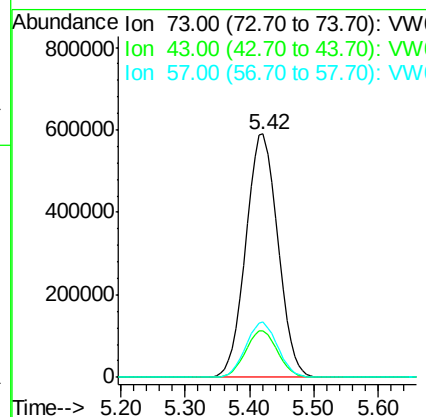
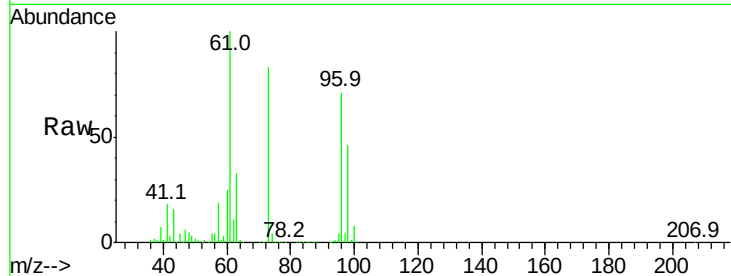


#17
Methyl tert-butyl Ether
Concen: 97.182 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014479.D
Acq: 27 Dec 2019 20:20

Instrument :
MSVOA_W
ClientSampleId :
VSTD10006

Tgt Ion: 73 Resp: 2021432

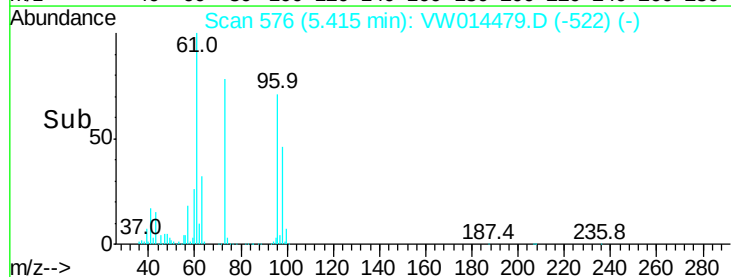
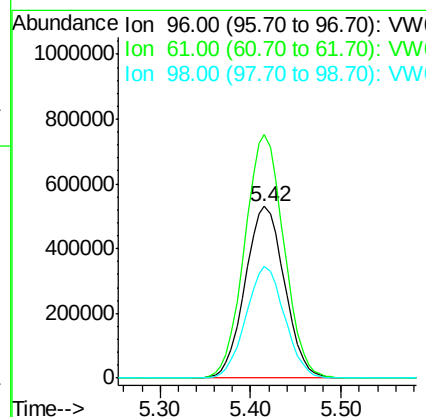
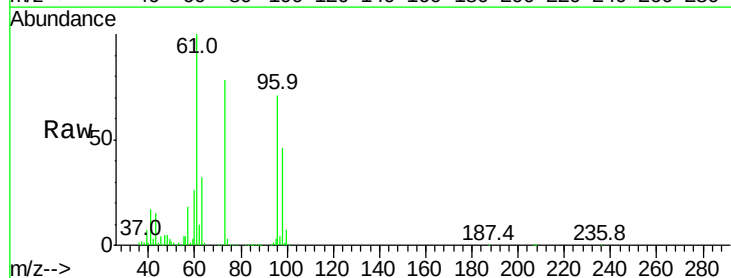
Ion	Ratio	Lower	Upper
73	100		
43	19.2	15.7	23.5
57	22.5	18.3	27.5

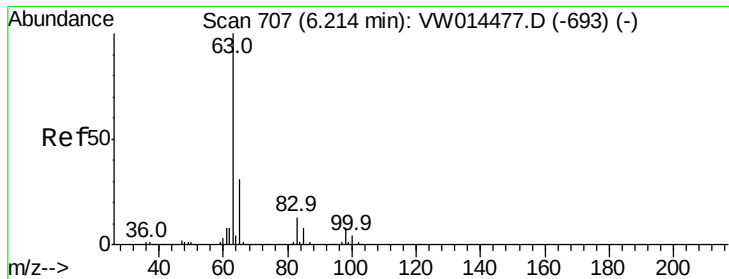


#18
trans-1,2-Dichloroethene
Concen: 94.664 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW014479.D
Acq: 27 Dec 2019 20:20

Tgt Ion: 96 Resp: 1599023

Ion	Ratio	Lower	Upper
96	100		
61	141.7	98.2	182.4
98	65.0	44.1	81.9





#19

1,1-Dichloroethane

Concen: 94.966 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

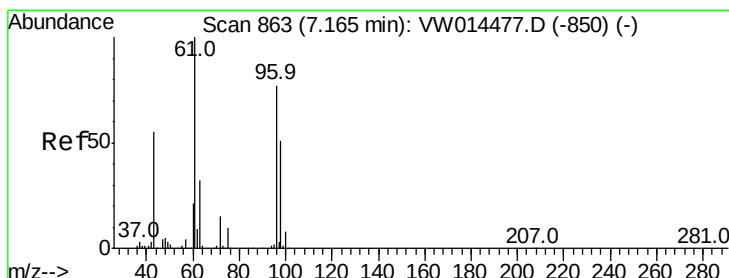
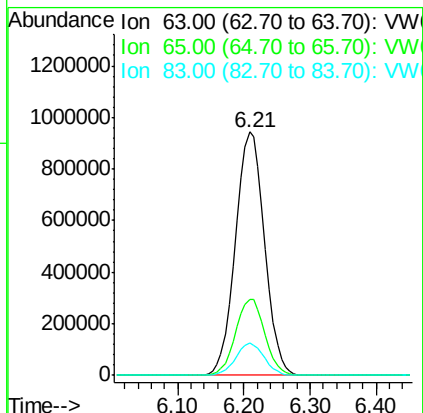
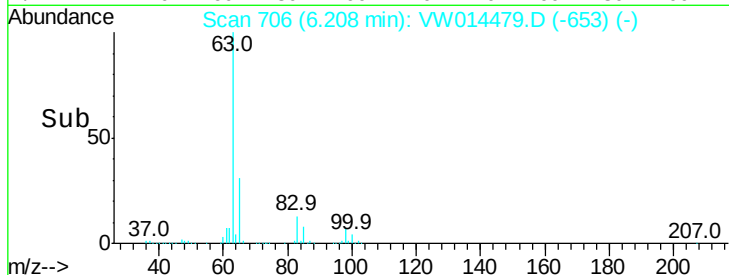
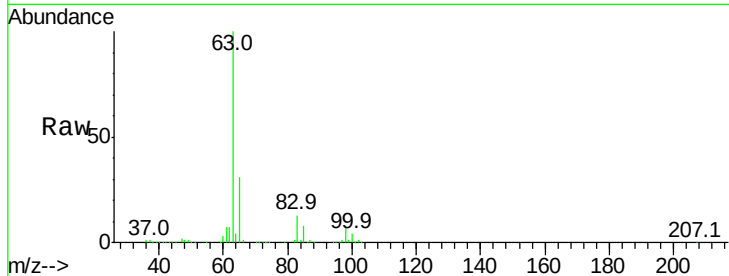
Tgt Ion: 63 Resp: 2882044

Ion Ratio Lower Upper

63 100

65 31.4 21.7 40.3

83 13.2 9.0 16.8



#21

2-Butanone

Concen: 181.269 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014479.D

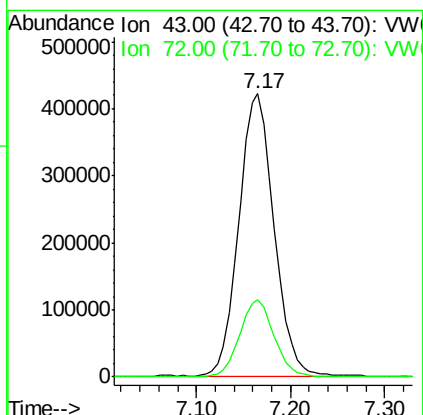
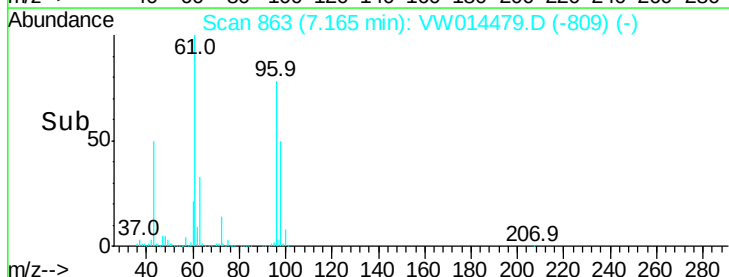
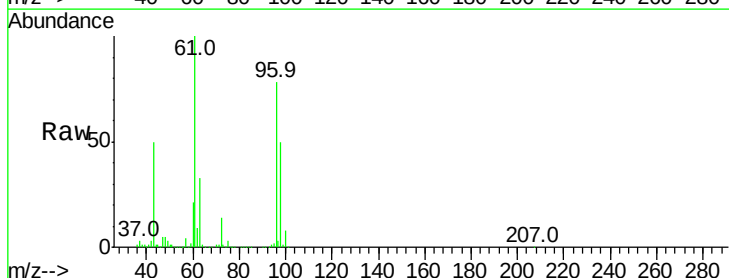
Acq: 27 Dec 2019 20:20

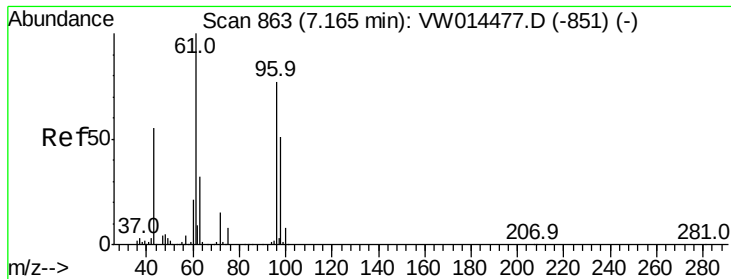
Tgt Ion: 43 Resp: 1093643

Ion Ratio Lower Upper

43 100

72 27.0 13.3 39.8



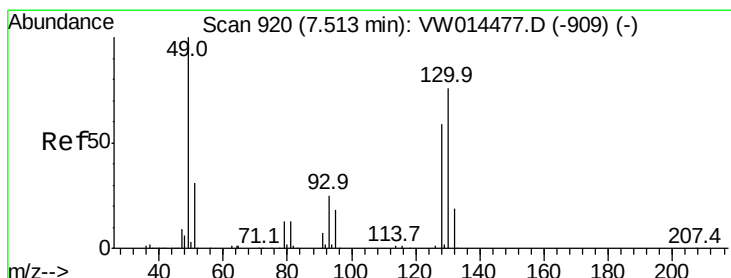
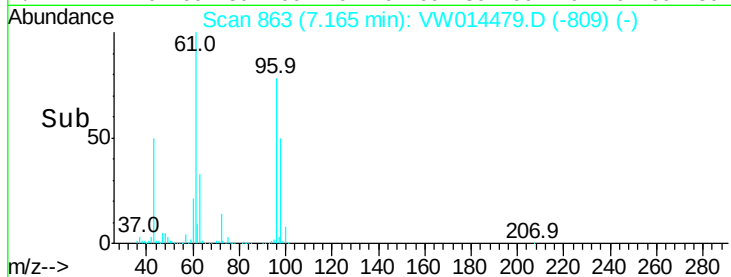
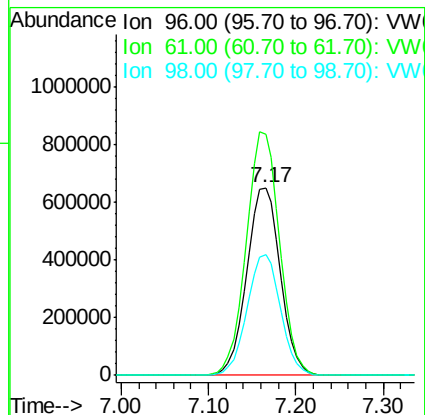
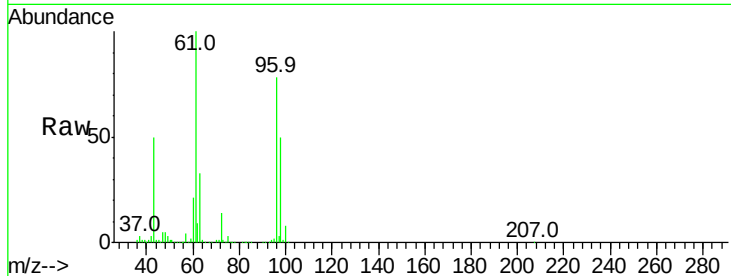


#22

cis-1,2-Dichloroethene
Concen: 96.431 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014479.D
Acq: 27 Dec 2019 20:20

Instrument :
MSVOA_W
ClientSampled :
VSTD10006

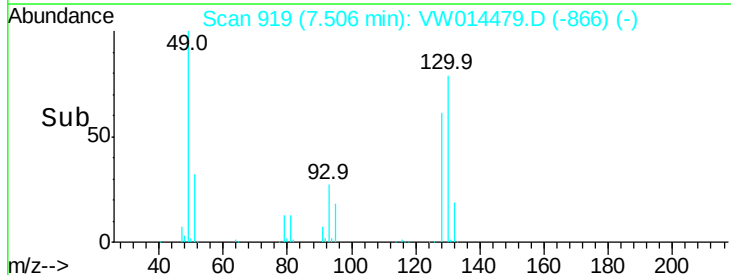
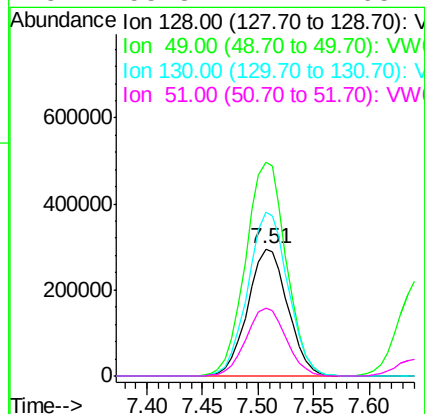
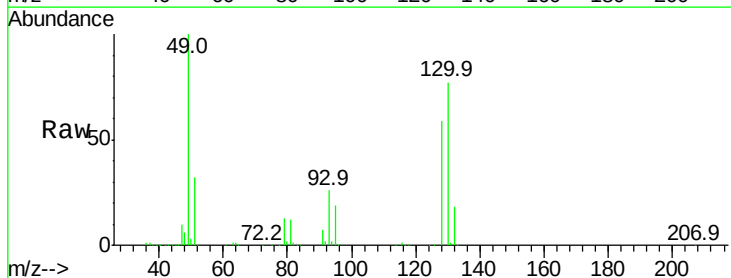
Tgt Ion: 96 Resp: 1733204
Ion Ratio Lower Upper
96 100
61 128.6 91.5 169.9
98 64.7 46.9 87.1

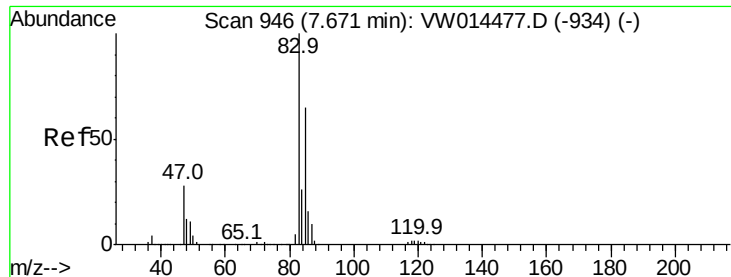


#23

Bromochloromethane
Concen: 89.491 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW014479.D
Acq: 27 Dec 2019 20:20

Tgt Ion: 128 Resp: 739879
Ion Ratio Lower Upper
128 100
49 168.2 118.3 219.7
130 128.9 89.5 166.1
51 53.8 42.1 63.1





#25

Chloroform

Concen: 92.442 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

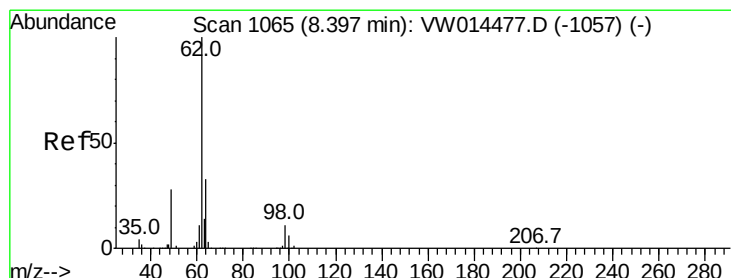
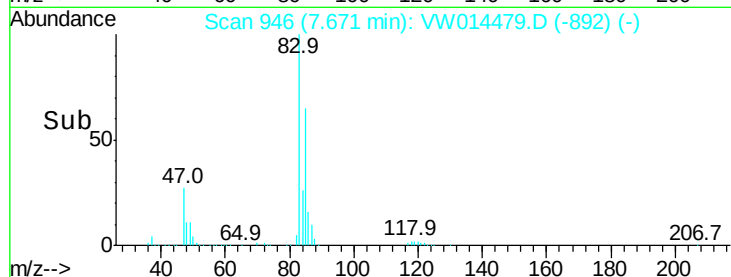
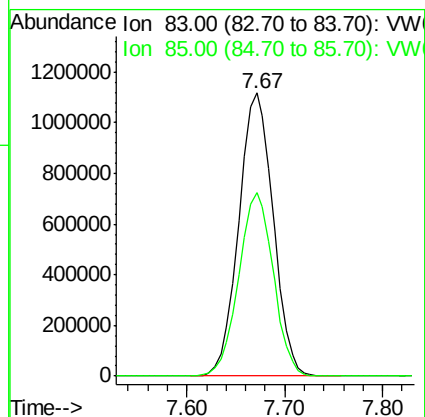
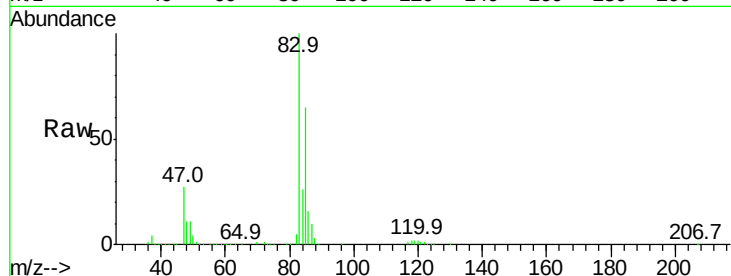
VSTD10006

Tgt Ion: 83 Resp: 2726175

Ion Ratio Lower Upper

83 100

85 65.3 45.8 85.2



#27

1,2-Dichloroethane

Concen: 92.205 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014479.D

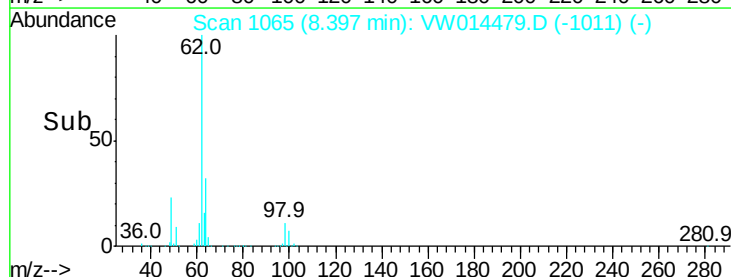
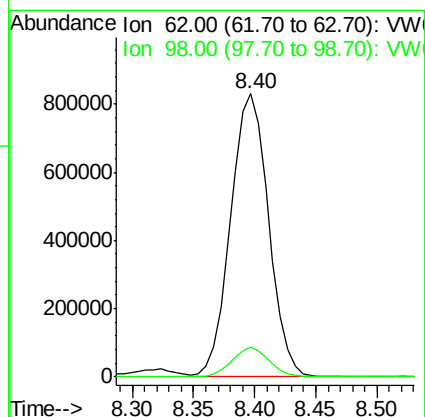
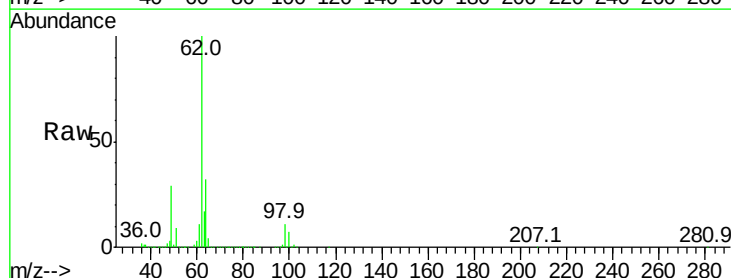
Acq: 27 Dec 2019 20:20

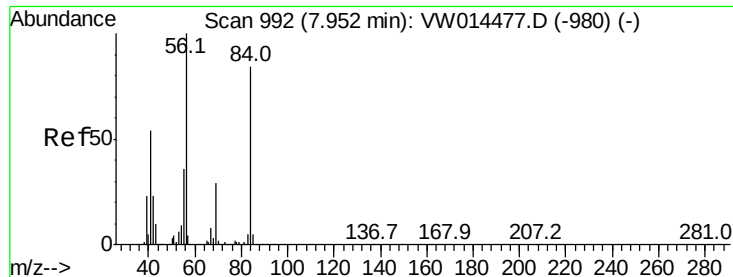
Tgt Ion: 62 Resp: 1780588

Ion Ratio Lower Upper

62 100

98 10.7 8.3 12.5

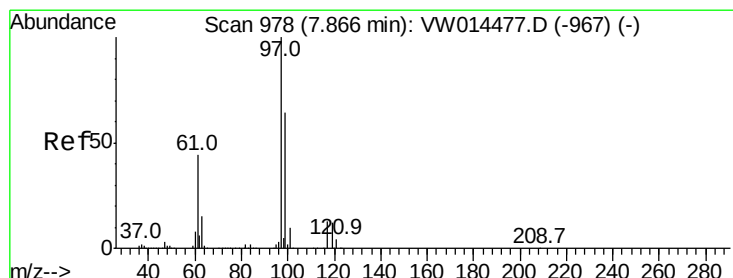
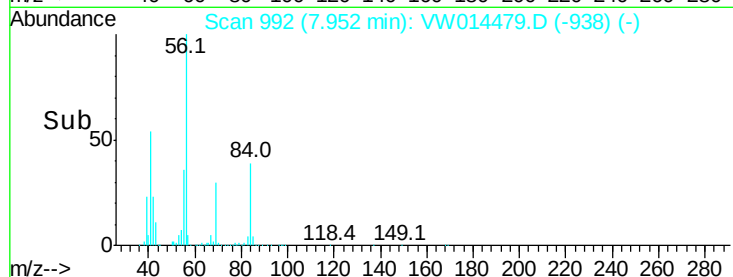
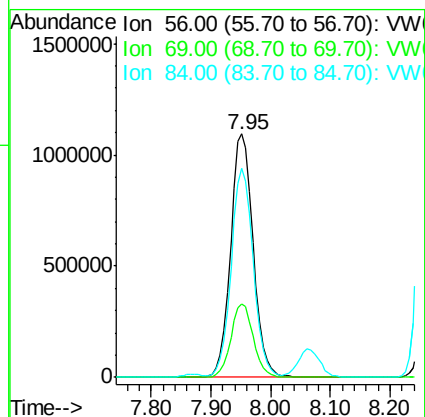
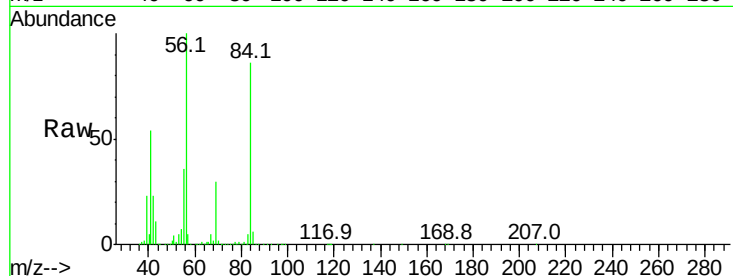




#30
Cyclohexane
Concen: 105.818 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014479.D
Acq: 27 Dec 2019 20:20

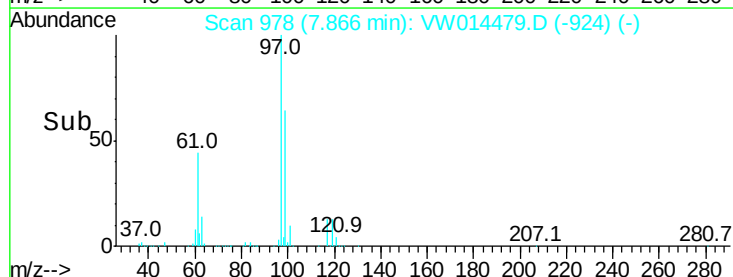
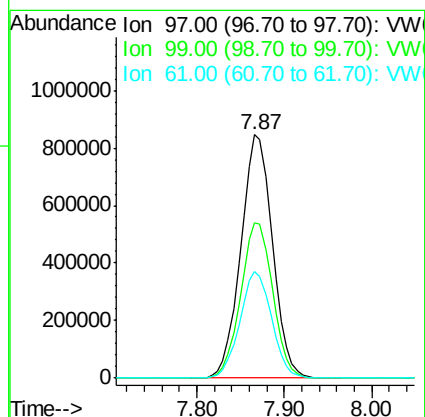
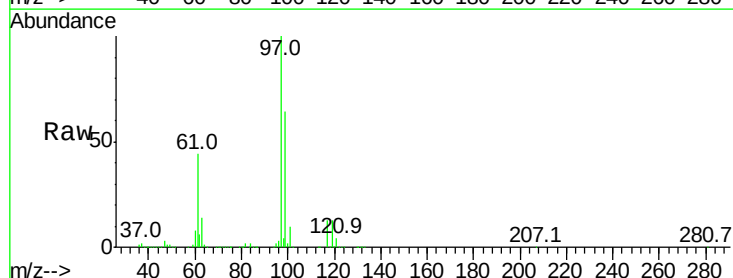
Instrument :
MSVOA_W
ClientSampleId :
VSTD10006

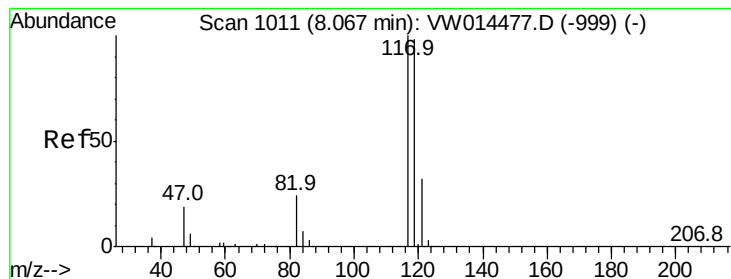
Tgt Ion: 56 Resp: 2869342
Ion Ratio Lower Upper
56 100
69 30.0 23.8 35.8
84 84.4 68.2 102.2



#31
1,1,1-Trichloroethane
Concen: 97.410 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW014479.D
Acq: 27 Dec 2019 20:20

Tgt Ion: 97 Resp: 2125214
Ion Ratio Lower Upper
97 100
99 64.6 51.6 77.4
61 43.8 35.3 52.9





#32

Carbon tetrachloride

Concen: 98.640 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

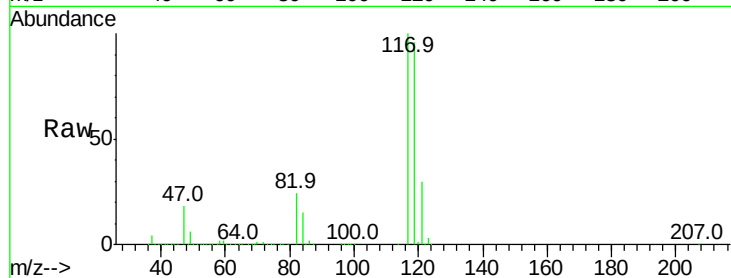
VSTD10006

Tgt Ion:117 Resp: 2041949

Ion Ratio Lower Upper

117 100

119 96.1 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

800000

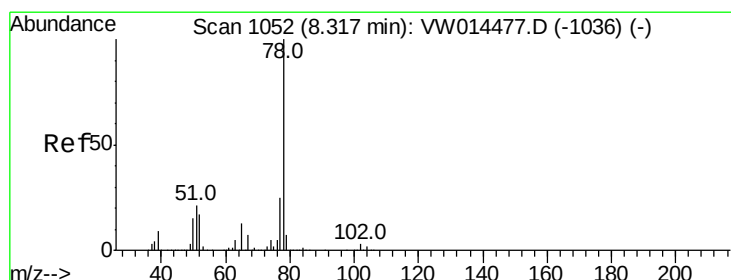
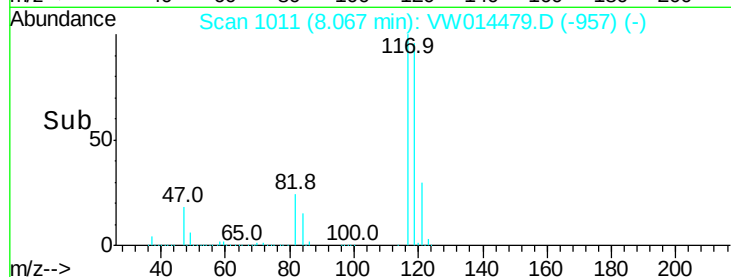
600000

400000

200000

0

Time--> 7.90 8.00 8.10 8.20



#34

Benzene

Concen: 91.751 ug/L

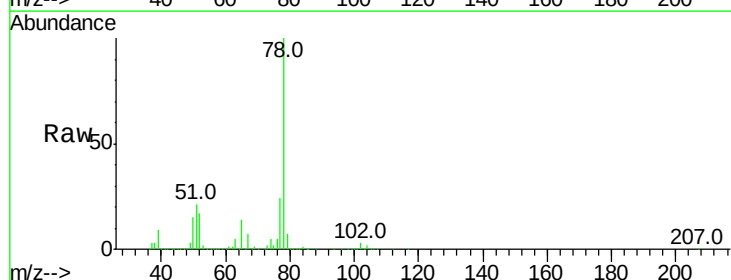
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

Tgt Ion: 78 Resp: 6311130



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

3000000

2500000

2000000

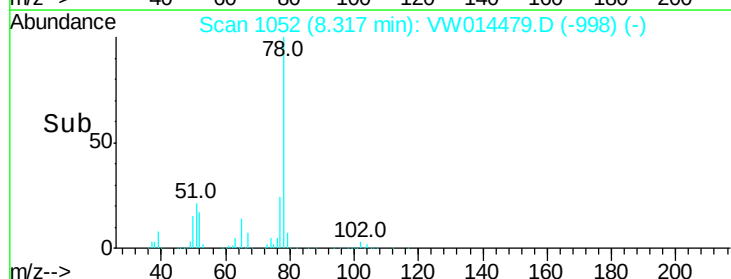
1500000

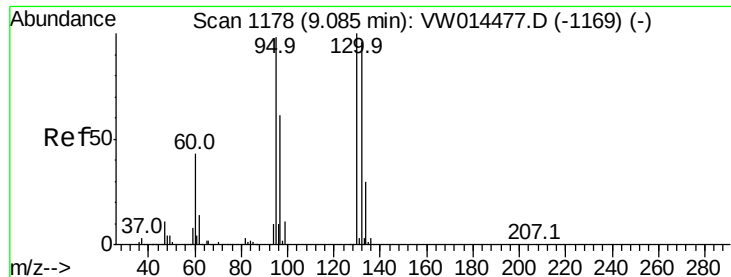
1000000

500000

0

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 93.903 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

Tgt Ion: 95 Resp: 1652646

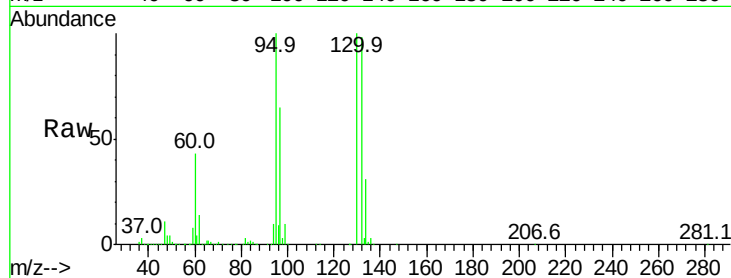
Ion Ratio Lower Upper

95 100

97 64.7 44.3 82.3

132 99.3 69.2 128.6

130 103.2 72.3 134.3

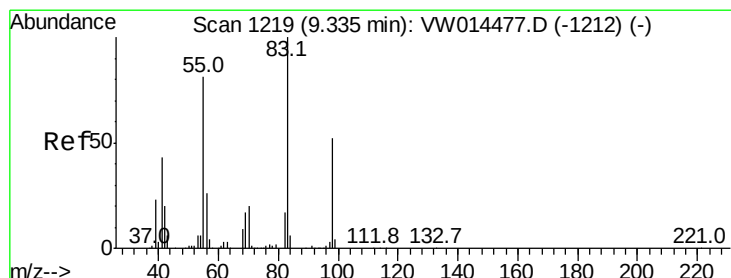
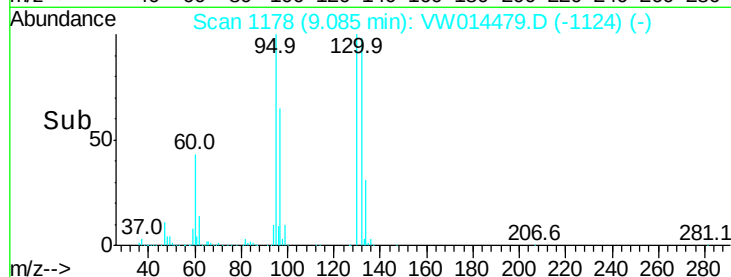
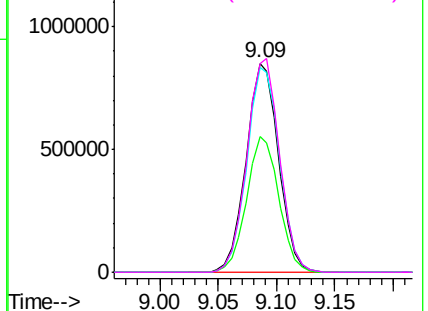


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 100.705 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

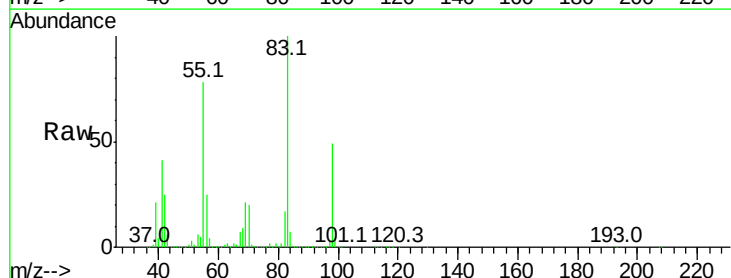
Tgt Ion: 83 Resp: 2978240

Ion Ratio Lower Upper

83 100

55 77.5 63.7 95.5

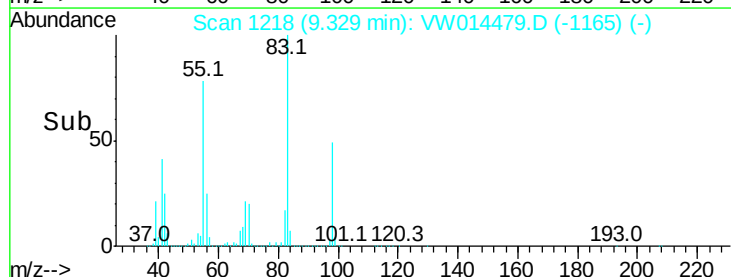
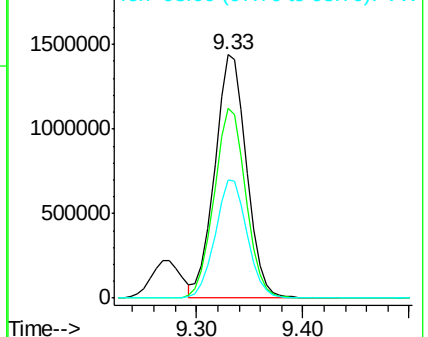
98 48.9 39.4 59.2

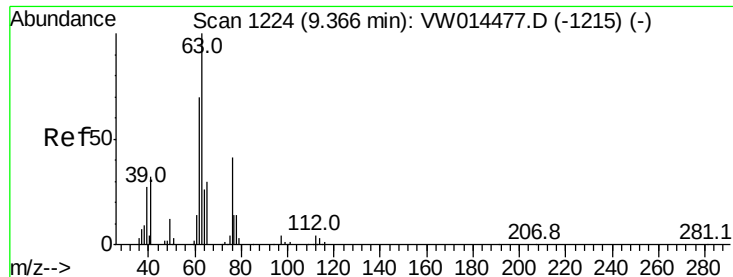


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 90.955 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

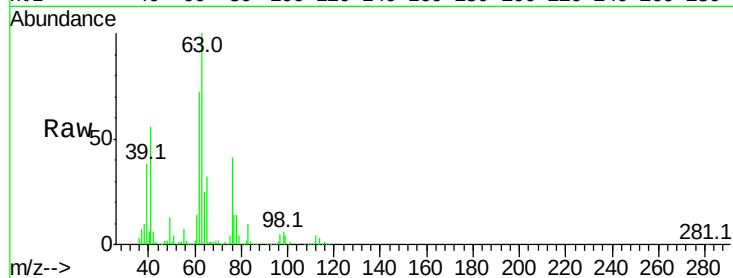
VSTD10006

Tgt Ion: 63 Resp: 1607297

Ion Ratio Lower Upper

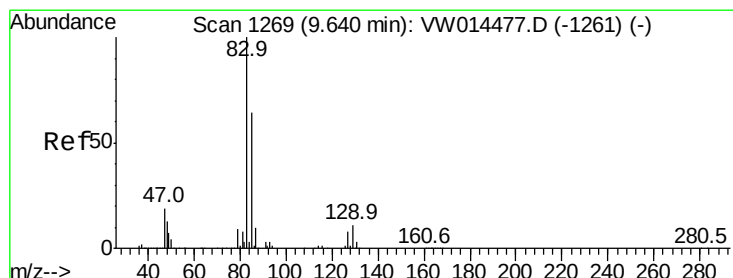
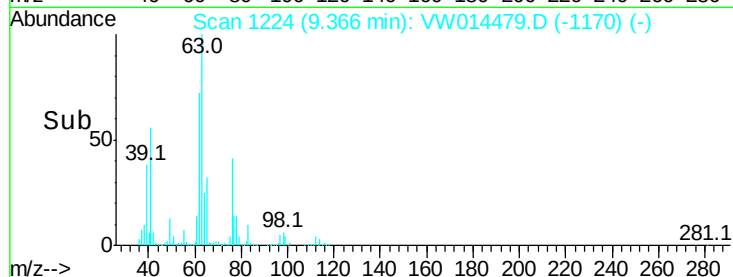
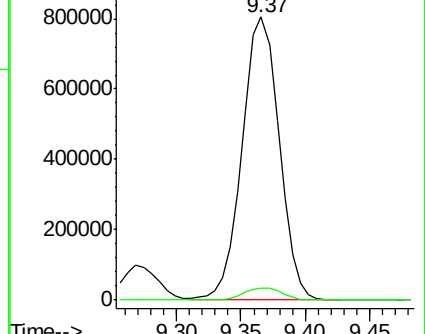
63 100

112 4.5 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 94.464 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

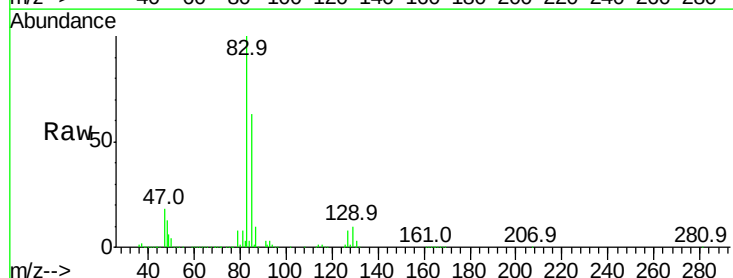
Tgt Ion: 83 Resp: 2028672

Ion Ratio Lower Upper

83 100

85 63.2 44.7 83.1

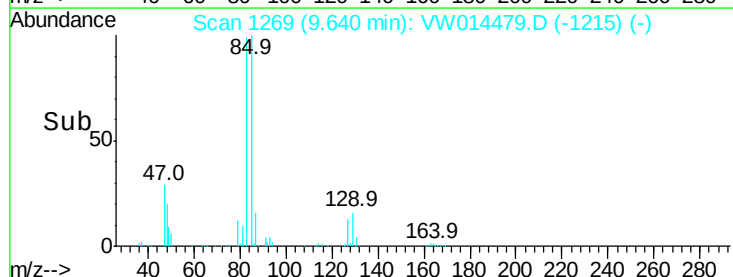
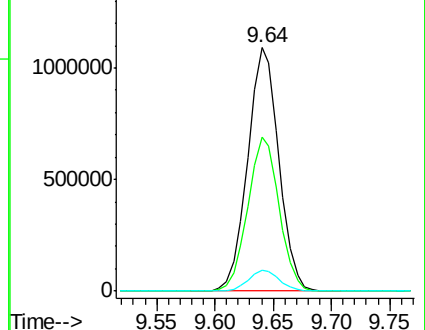
127 8.4 6.3 9.5

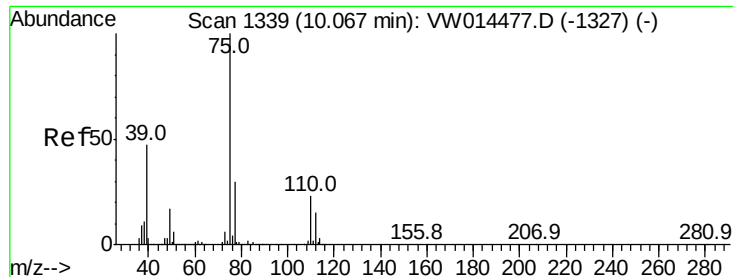


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 100.300 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

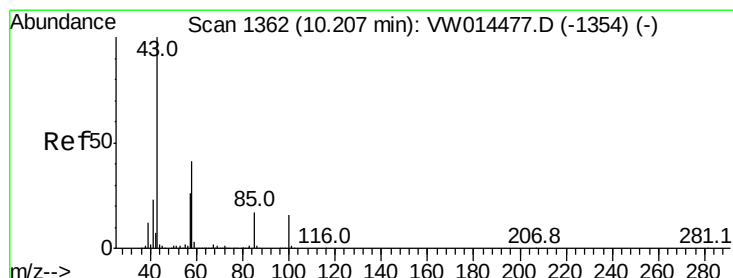
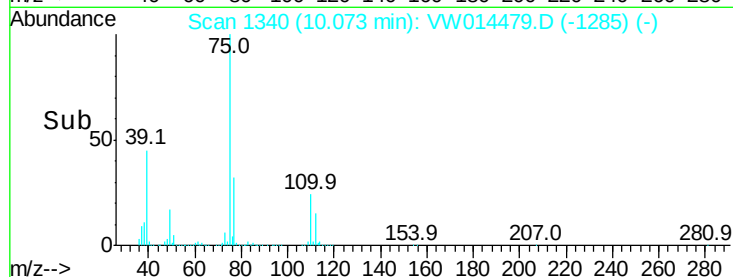
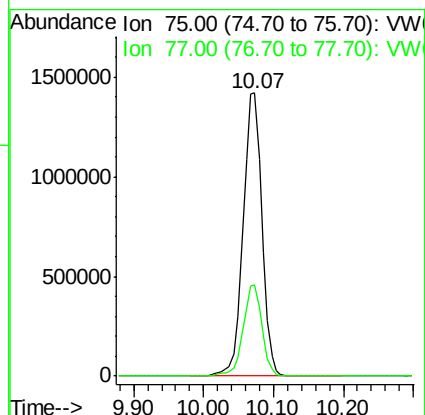
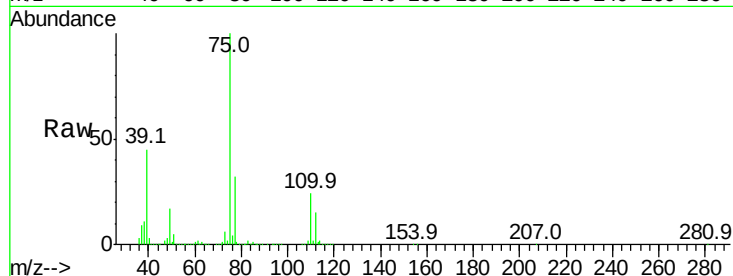
VSTD10006

Tgt Ion: 75 Resp: 2654358

Ion Ratio Lower Upper

75 100

77 32.1 21.0 39.0



#43

4-Methyl-2-pentanone

Concen: 193.640 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

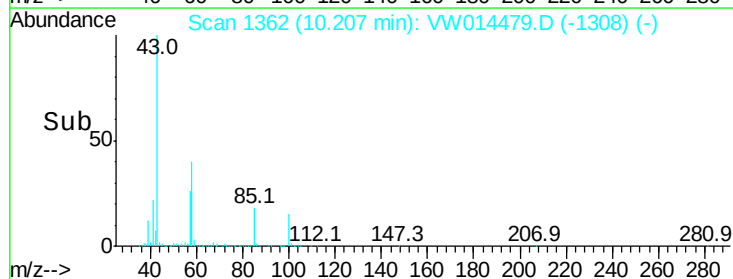
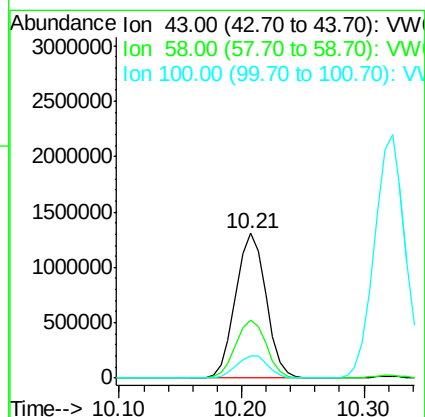
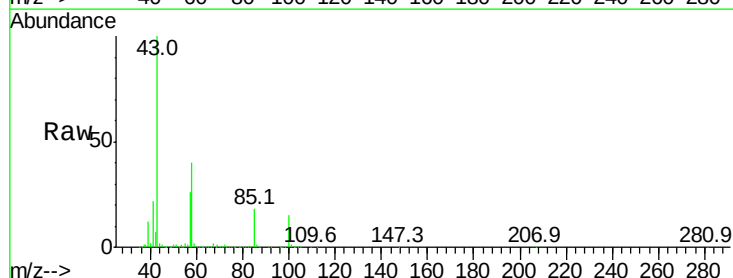
Tgt Ion: 43 Resp: 2256448

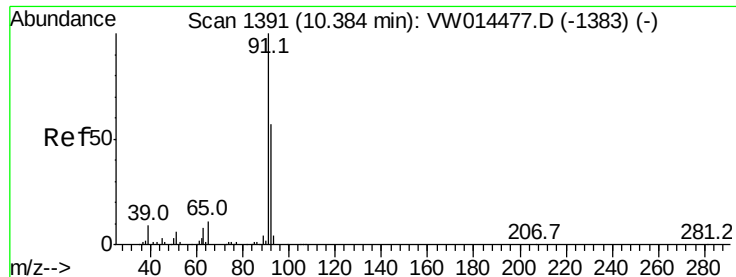
Ion Ratio Lower Upper

43 100

58 40.4 32.6 48.8

100 15.9 12.6 19.0





#44

Toluene

Concen: 93.007 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

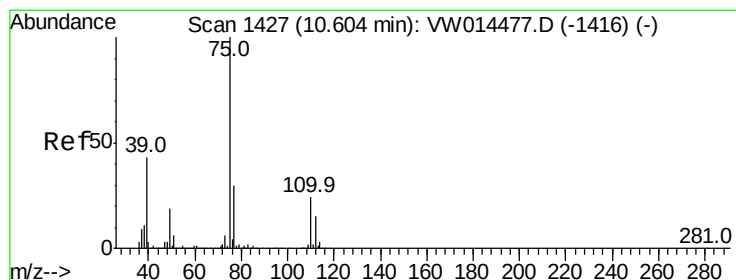
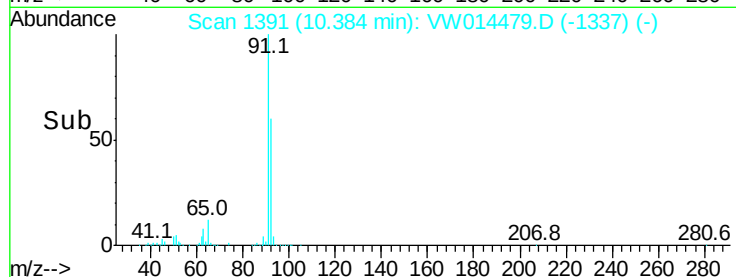
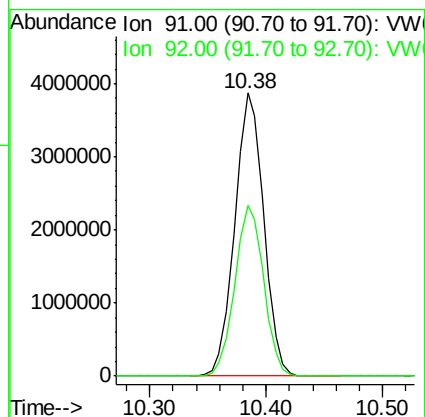
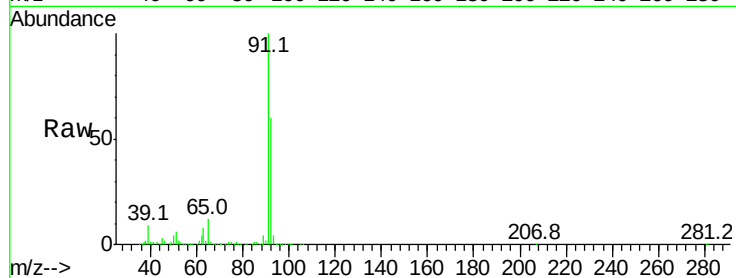
VSTD10006

Tgt Ion: 91 Resp: 6707119

Ion Ratio Lower Upper

91 100

92 60.4 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 99.651 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014479.D

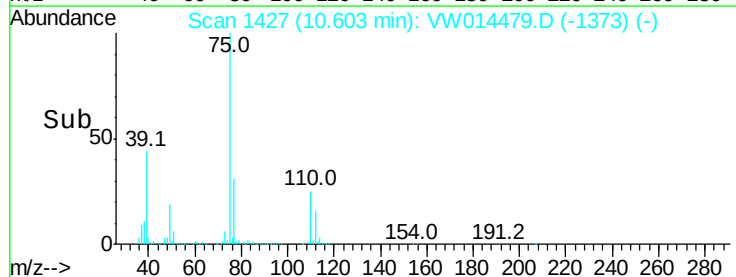
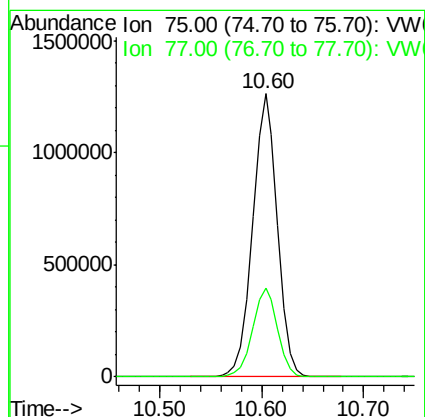
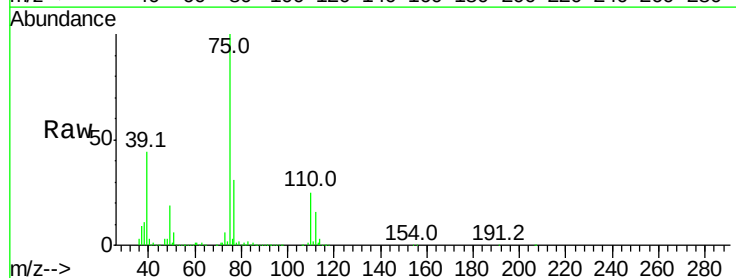
Acq: 27 Dec 2019 20:20

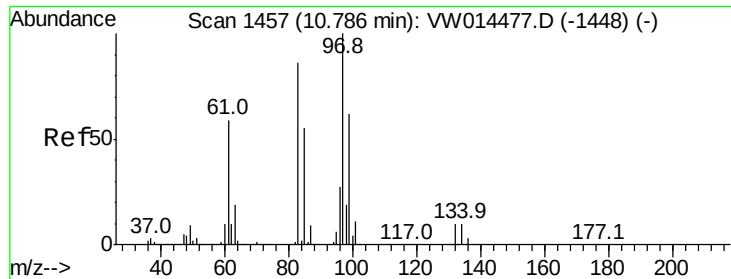
Tgt Ion: 75 Resp: 2134715

Ion Ratio Lower Upper

75 100

77 31.4 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 90.206 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

Tgt Ion: 97 Resp: 1194512

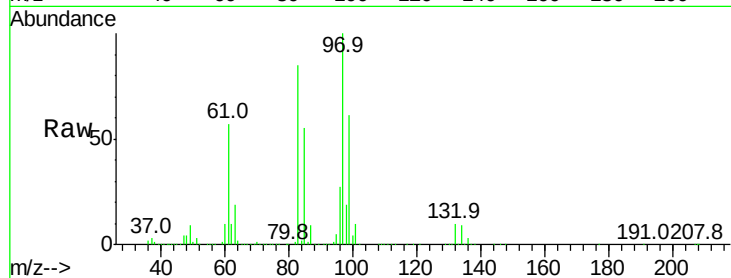
Ion Ratio Lower Upper

97 100

83 84.5 60.1 111.5

85 55.3 38.1 70.9

99 61.2 43.4 80.6

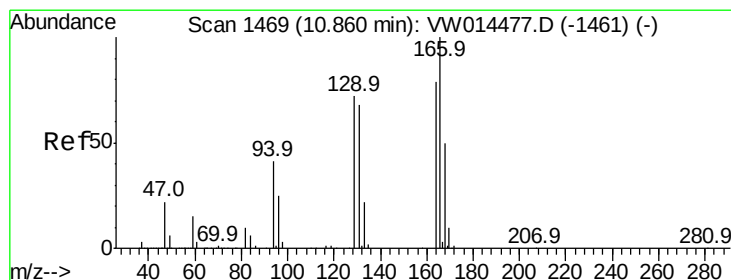
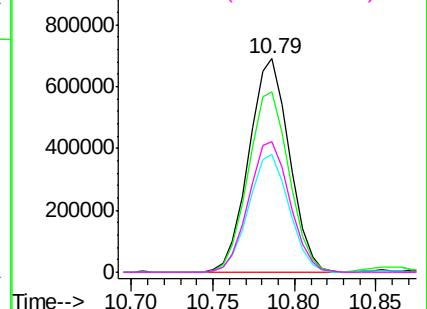
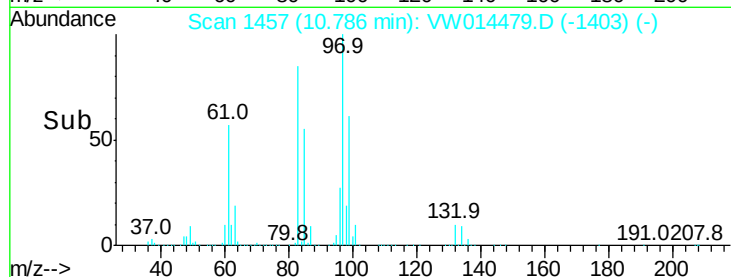


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 94.098 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

Tgt Ion: 164 Resp: 1380309

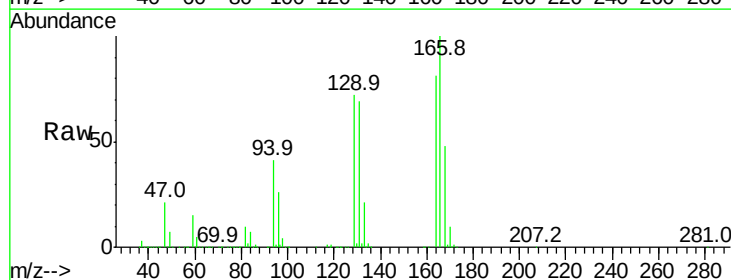
Ion Ratio Lower Upper

164 100

129 88.3 64.0 118.8

131 85.4 60.2 111.8

166 123.0 88.2 163.8

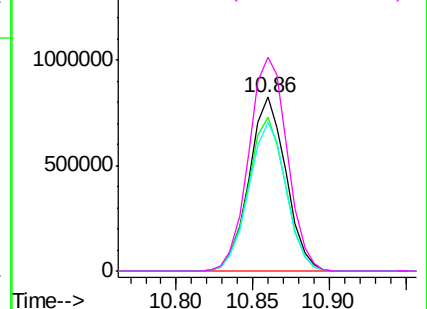
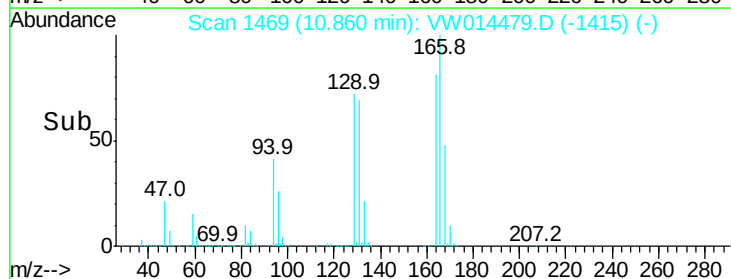


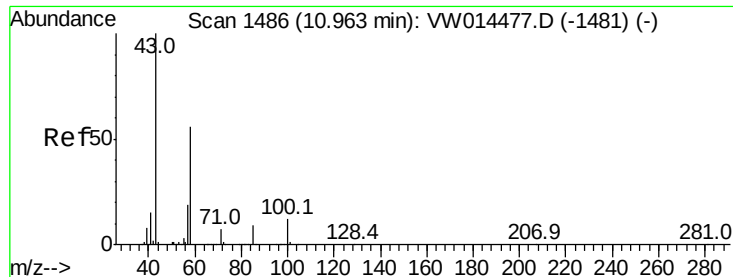
Abundance Ion 164.00 (163.70 to 164.70): V

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



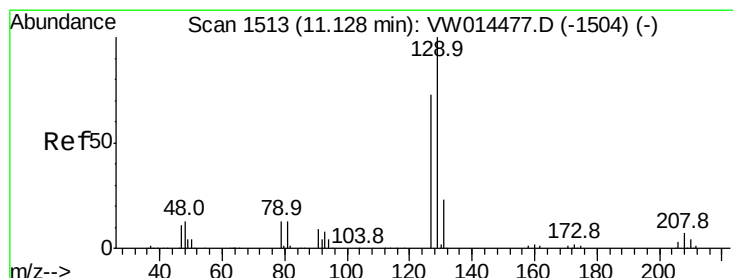
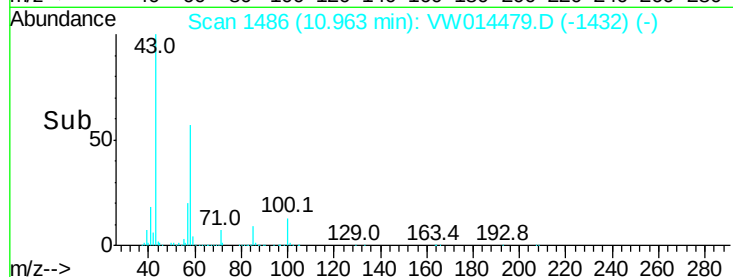
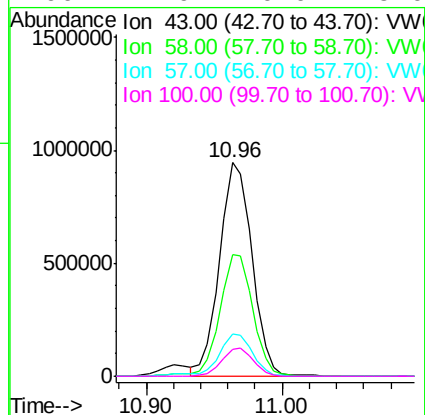
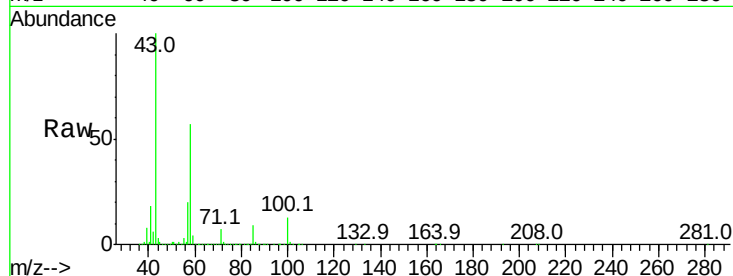


#49
2-Hexanone
Concen: 188.925 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014479.D
Acq: 27 Dec 2019 20:20

Instrument :
MSVOA_W
ClientSampled :
VSTD10006

Tgt Ion: 43 Resp: 1567345

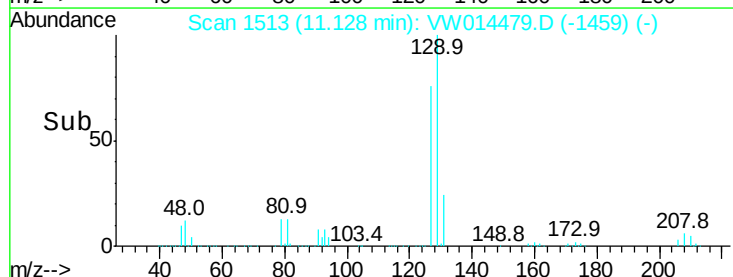
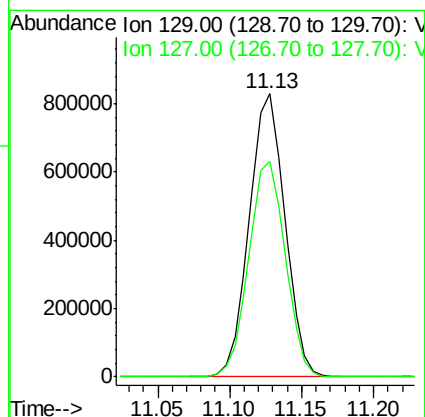
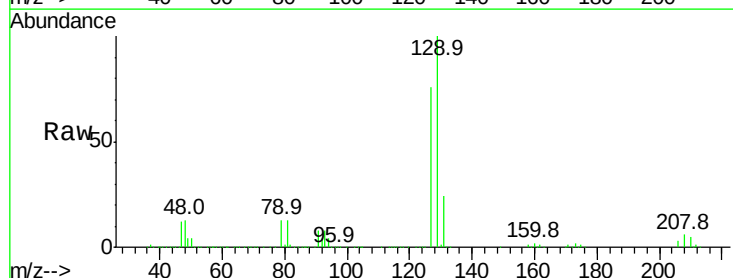
Ion	Ratio	Lower	Upper
43	100		
58	56.7	44.9	67.3
57	19.5	15.3	22.9
100	12.9	10.0	15.0

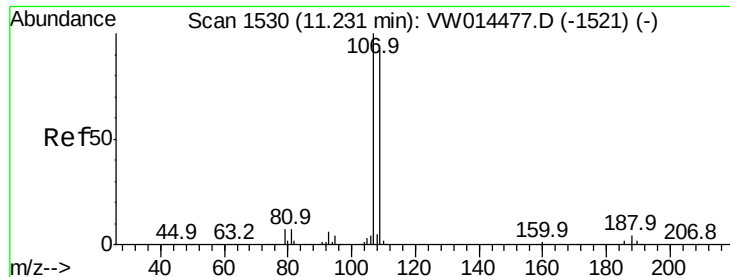


#50
Dibromochloromethane
Concen: 95.556 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014479.D
Acq: 27 Dec 2019 20:20

Tgt Ion: 129 Resp: 1420144

Ion	Ratio	Lower	Upper
129	100		
127	76.1	51.1	94.9

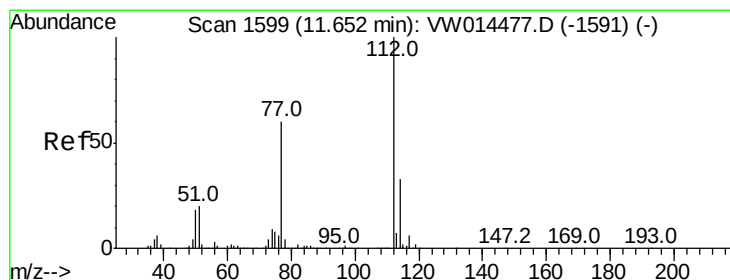
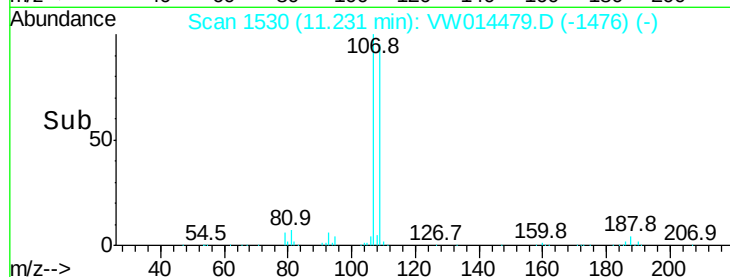
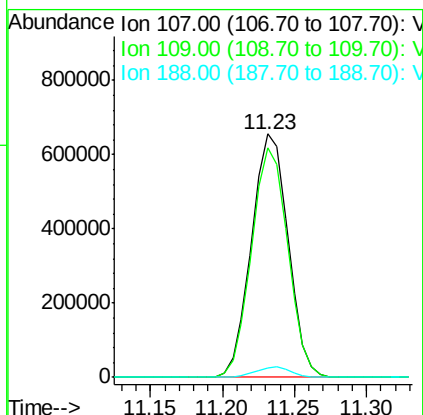
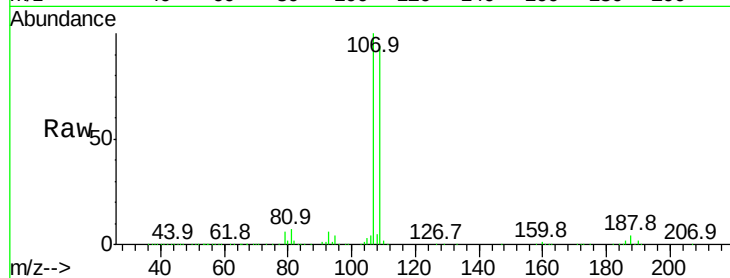




#51
 1,2-Dibromoethane
 Concen: 92.021 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014479.D
 Acq: 27 Dec 2019 20:20

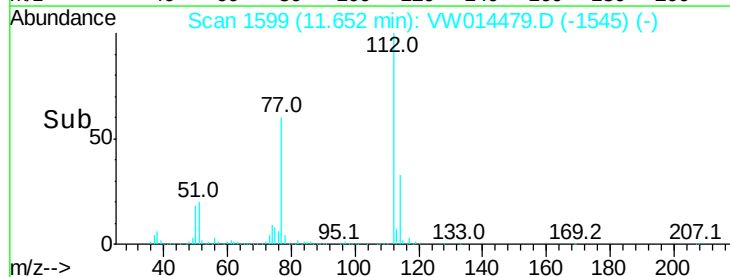
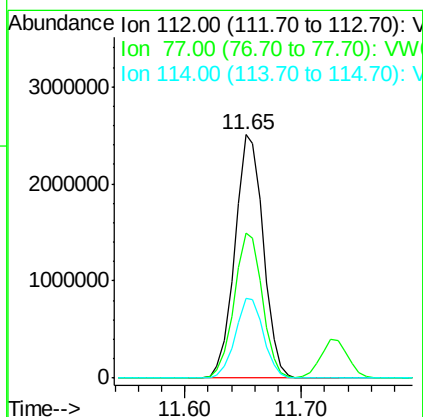
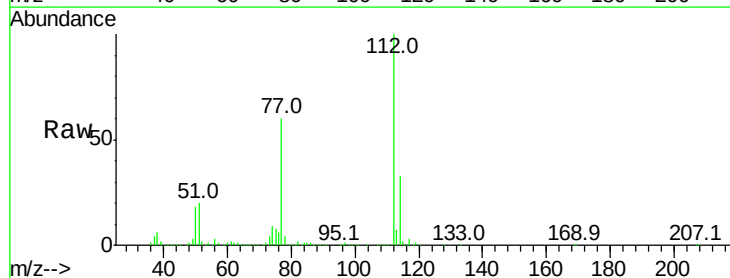
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10006

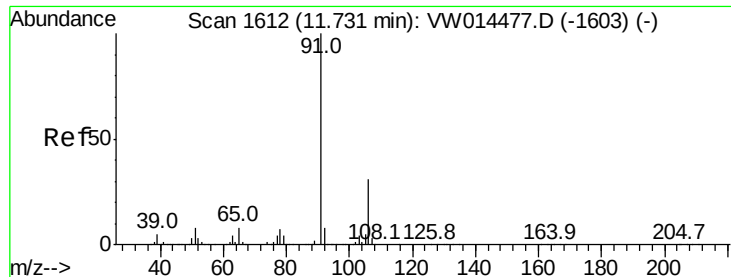
Tgt Ion:107 Resp: 1154225
 Ion Ratio Lower Upper
 107 100
 109 94.5 64.7 120.1
 188 3.9 3.0 4.6



#52
 Chlorobenzene
 Concen: 91.241 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: VW014479.D
 Acq: 27 Dec 2019 20:20

Tgt Ion:112 Resp: 4252525
 Ion Ratio Lower Upper
 112 100
 77 59.6 48.2 72.2
 114 32.6 22.9 42.5





#53

Ethylbenzene

Concen: 95.550 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

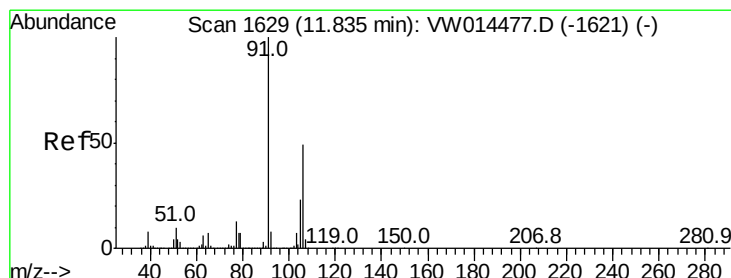
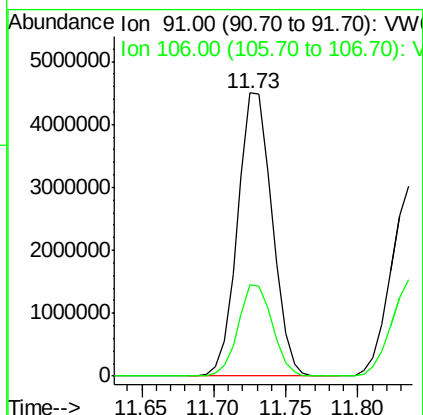
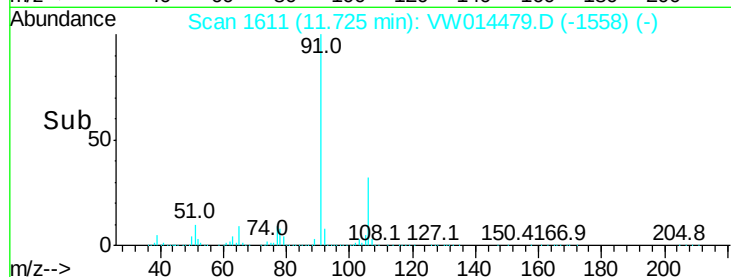
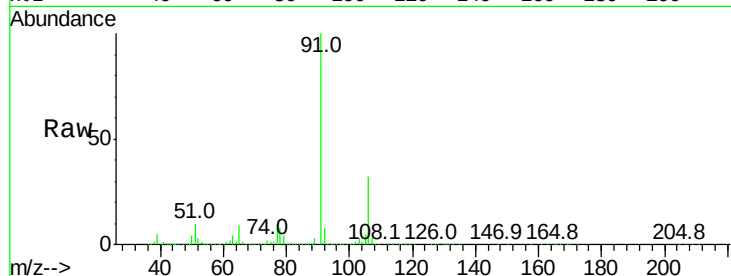
VSTD10006

Tgt Ion: 91 Resp: 7476727

Ion Ratio Lower Upper

91 100

106 32.1 21.8 40.6



#54

m,p-Xylene

Concen: 96.052 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014479.D

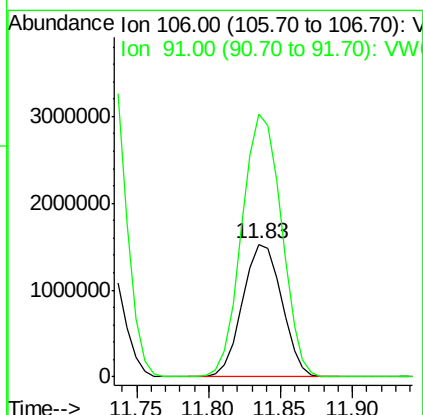
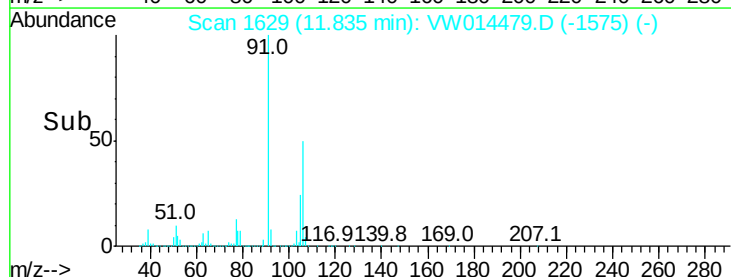
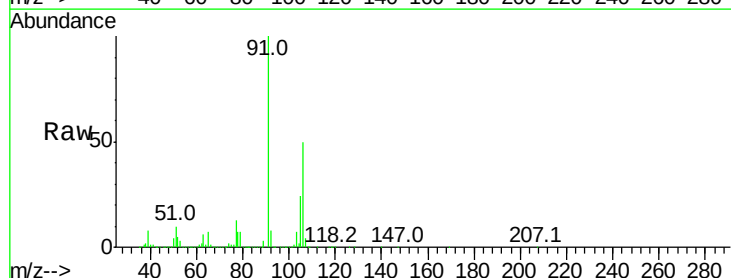
Acq: 27 Dec 2019 20:20

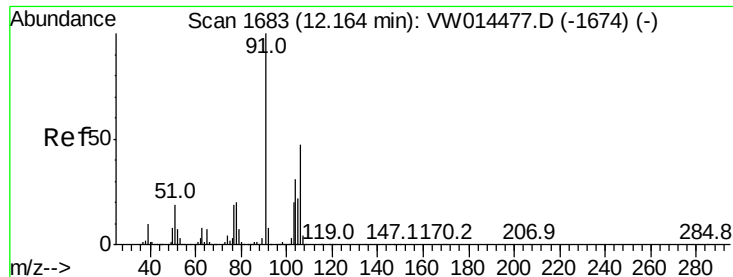
Tgt Ion: 106 Resp: 2891190

Ion Ratio Lower Upper

106 100

91 198.4 142.2 264.0





#55

o-xylene

Concen: 97.698 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

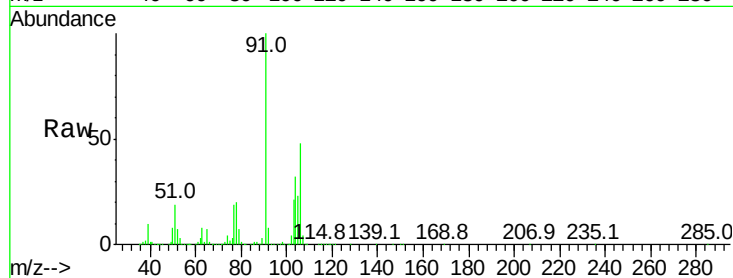
VSTD10006

Tgt Ion:106 Resp: 2789309

Ion Ratio Lower Upper

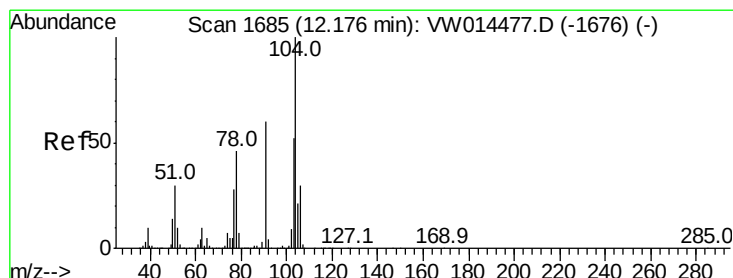
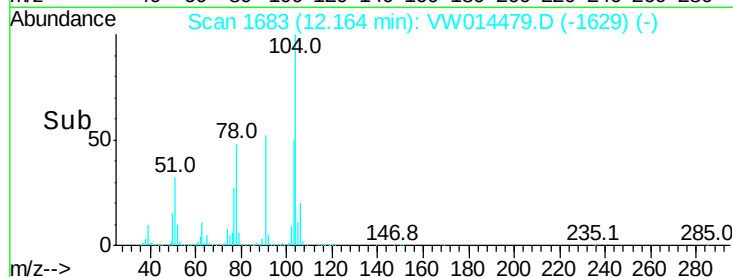
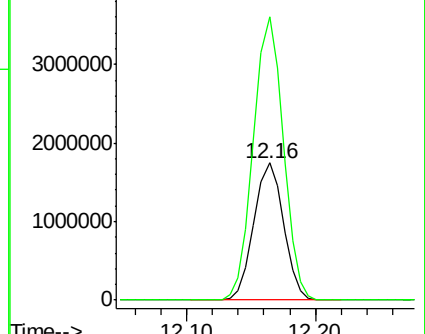
106 100

91 206.5 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 95.683 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014479.D

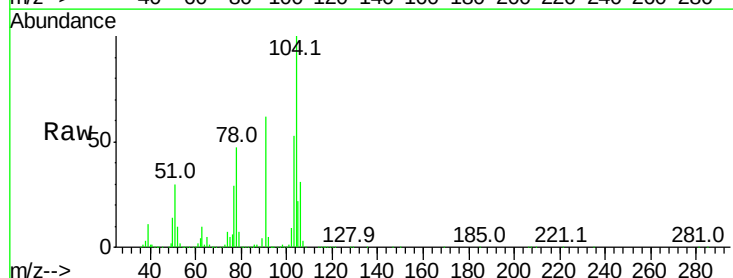
Acq: 27 Dec 2019 20:20

Tgt Ion:104 Resp: 4673416

Ion Ratio Lower Upper

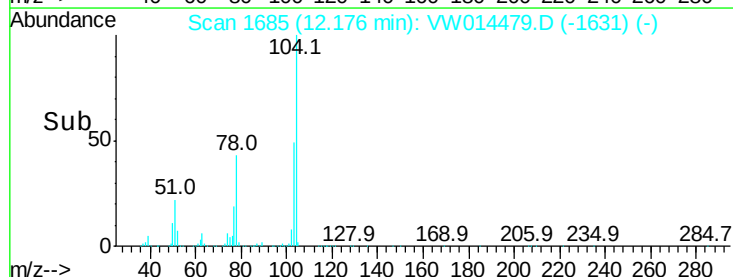
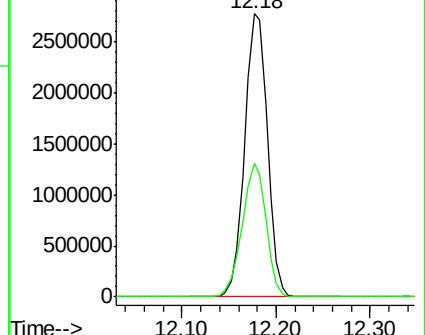
104 100

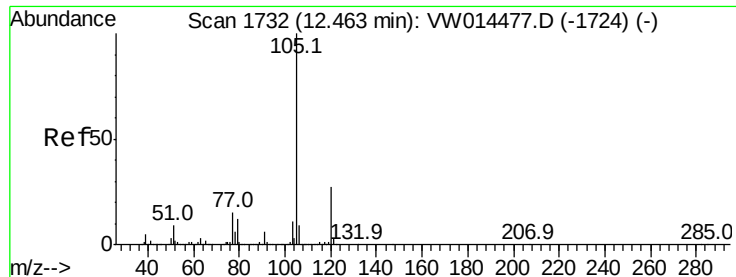
78 47.1 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 98.605 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

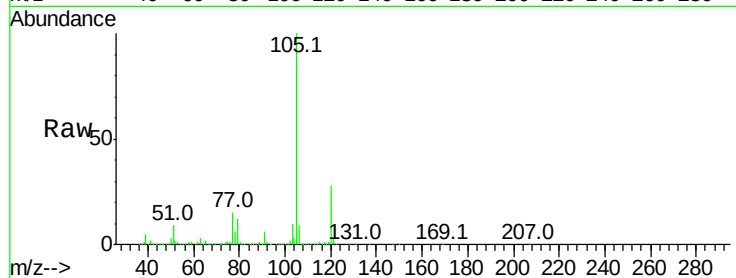
Tgt Ion:105 Resp: 7308645

Ion Ratio Lower Upper

105 100

120 27.5 21.0 31.6

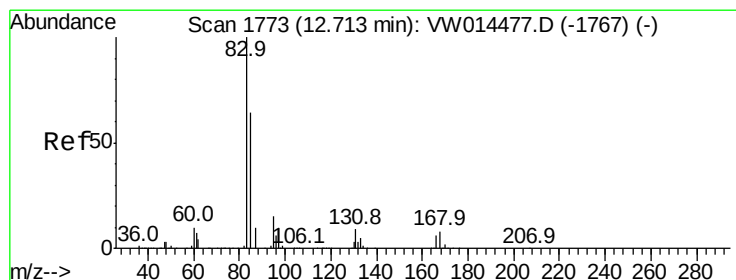
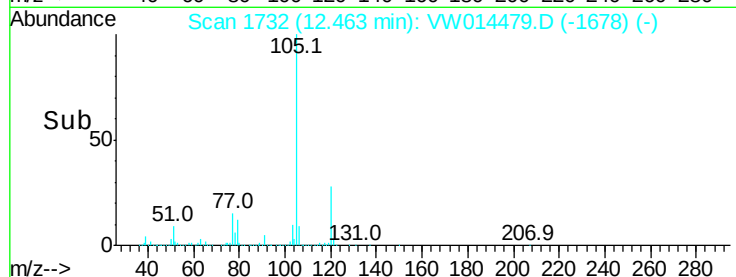
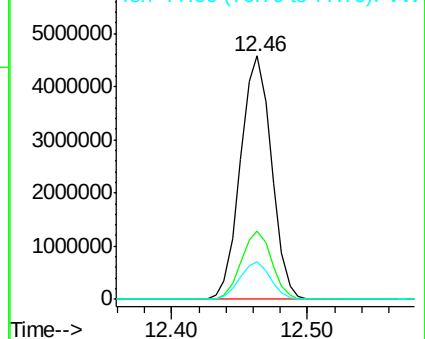
77 15.3 12.2 18.2



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: 88.698 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

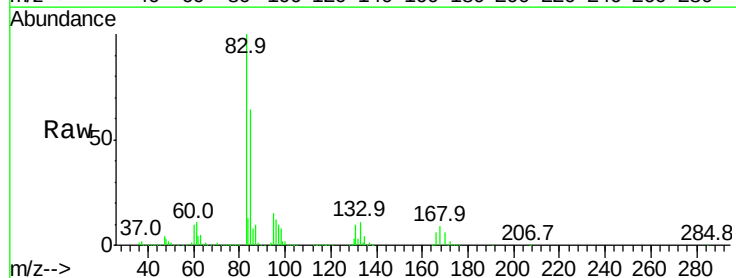
Tgt Ion: 83 Resp: 1457810

Ion Ratio Lower Upper

83 100

85 63.7 45.3 84.1

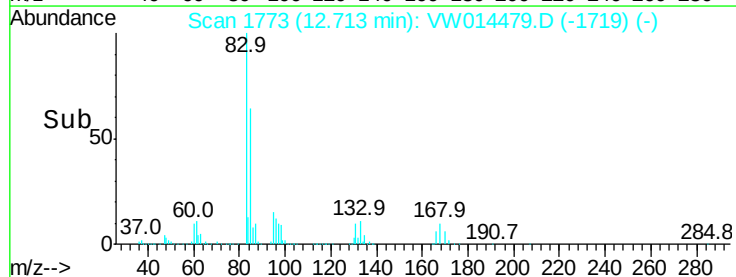
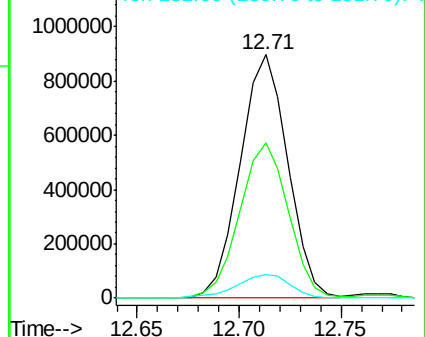
131 9.8 8.0 12.0

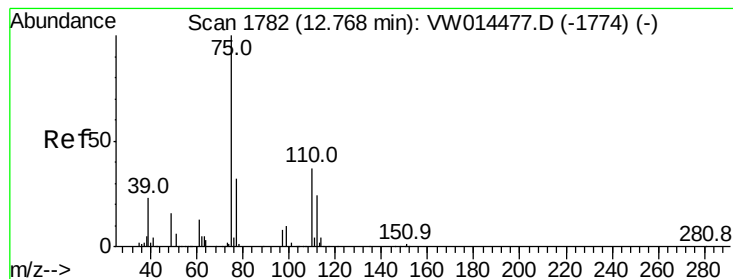


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 88.748 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

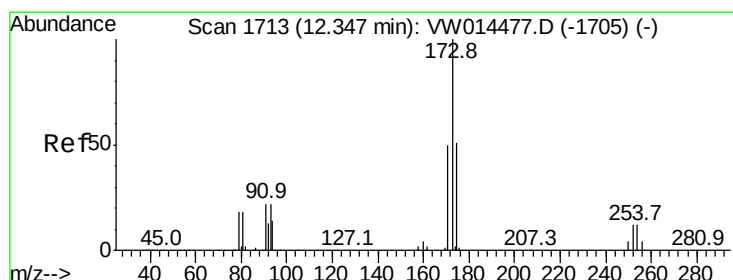
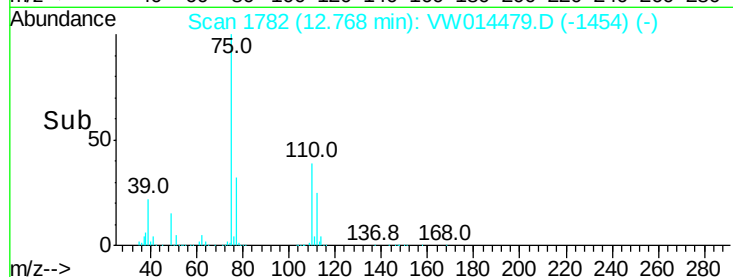
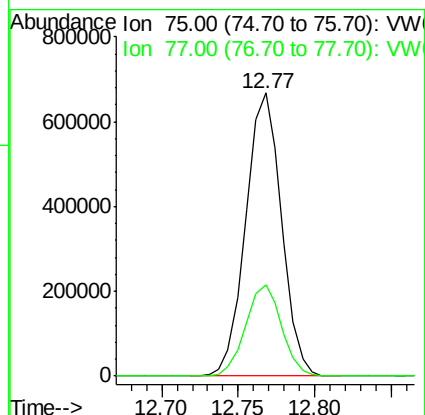
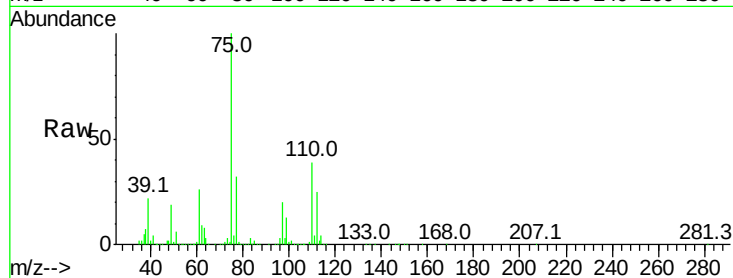
VSTD10006

Tgt Ion: 75 Resp: 1083857

Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.2



#62

Bromoform

Concen: 96.038 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

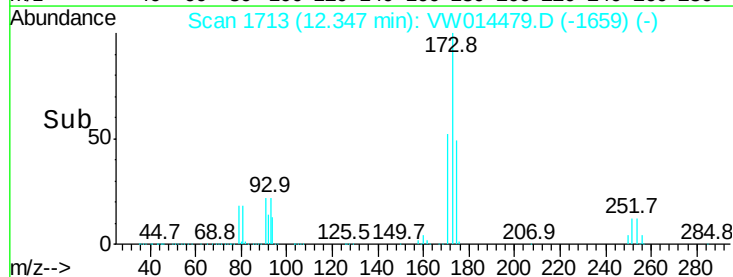
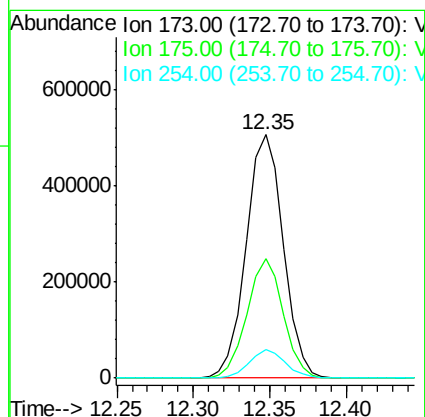
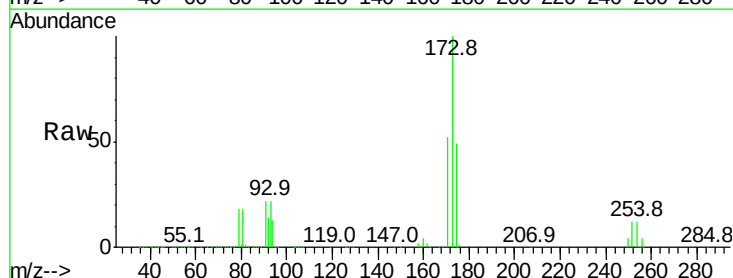
Tgt Ion: 173 Resp: 855442

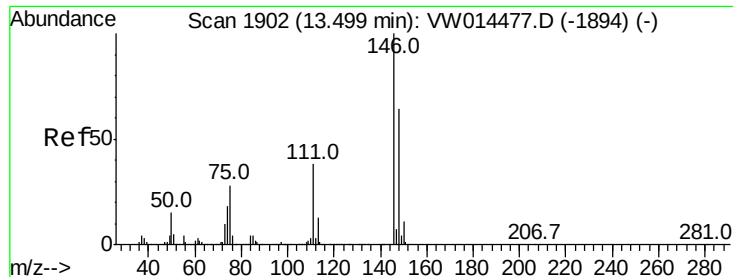
Ion Ratio Lower Upper

173 100

175 47.8 40.5 60.7

254 11.4 9.3 13.9

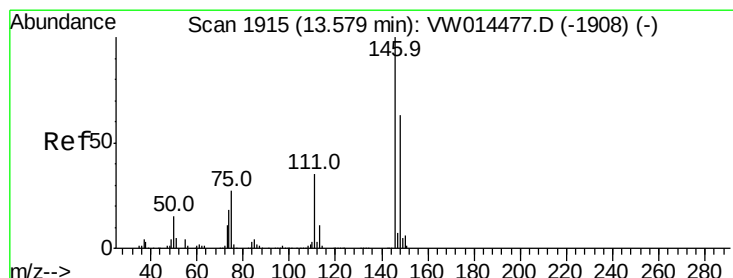
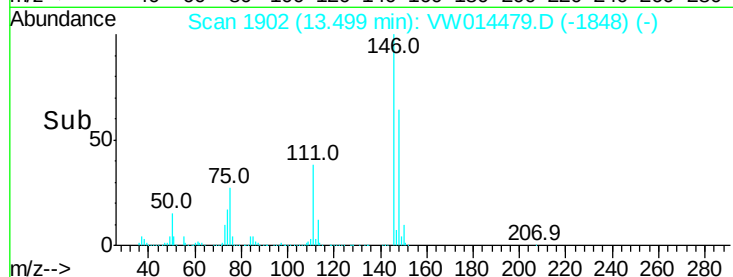
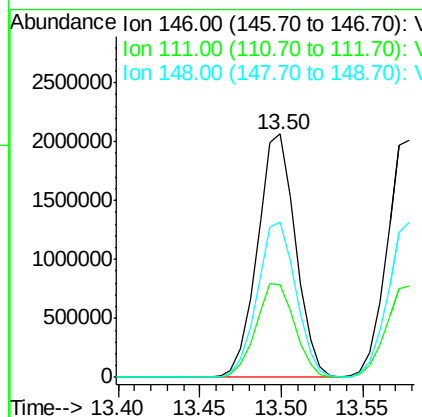
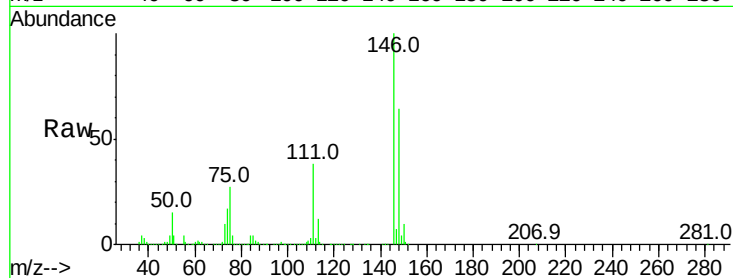




#63
 1,3-Dichlorobenzene
 Concen: 94.753 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014479.D
 Acq: 27 Dec 2019 20:20

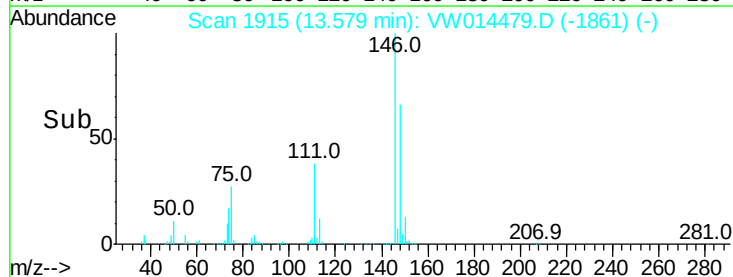
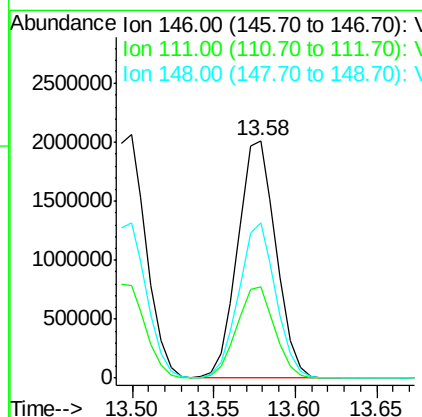
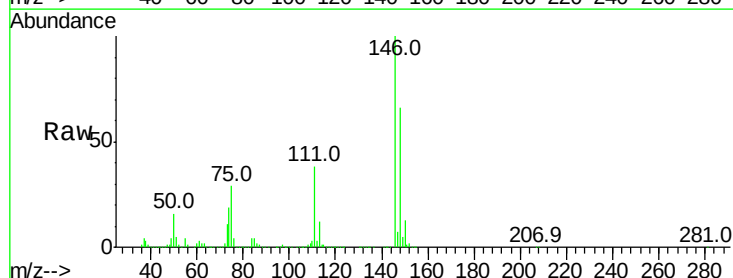
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10006

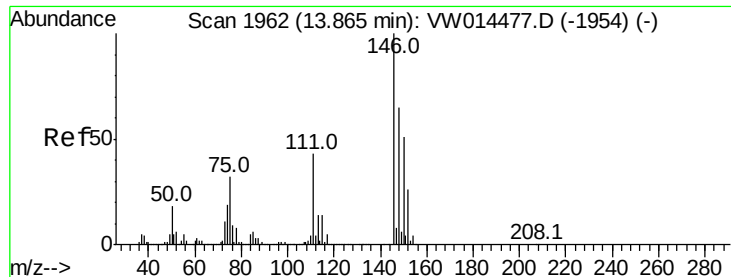
Tgt Ion:146 Resp: 3342389
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.9 50.1
 148 63.9 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 91.747 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014479.D
 Acq: 27 Dec 2019 20:20

Tgt Ion:146 Resp: 3288147
 Ion Ratio Lower Upper
 146 100
 111 38.4 24.5 45.5
 148 65.6 44.4 82.4

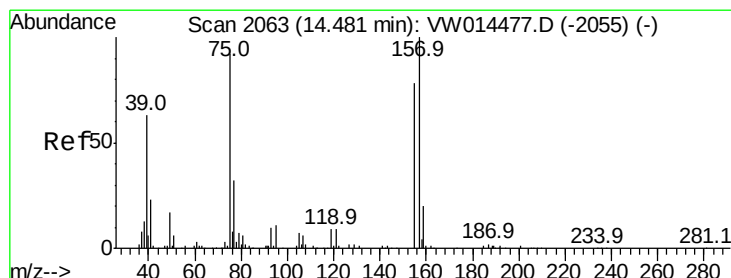
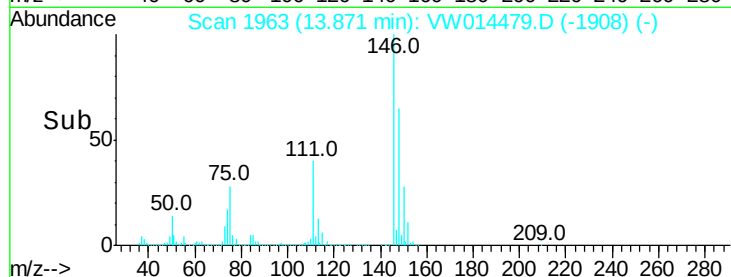
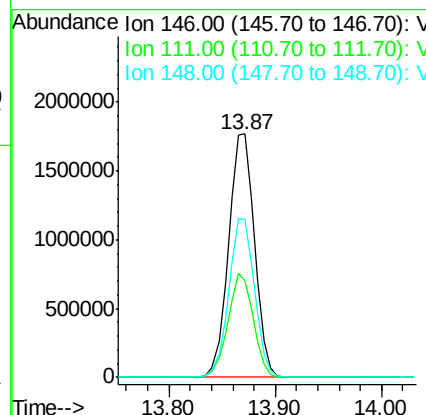
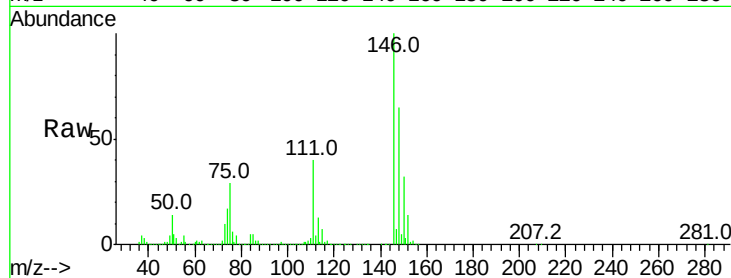




#65
 1,2-Dichlorobenzene
 Concen: 91.910 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014479.D
 Acq: 27 Dec 2019 20:20

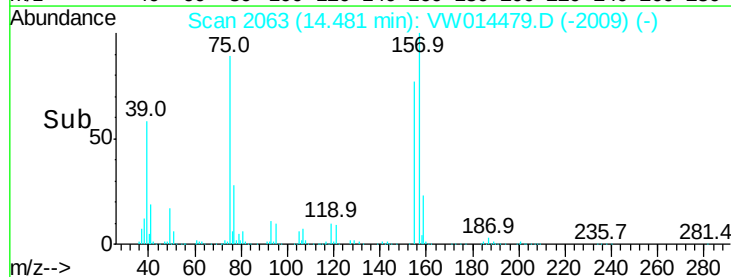
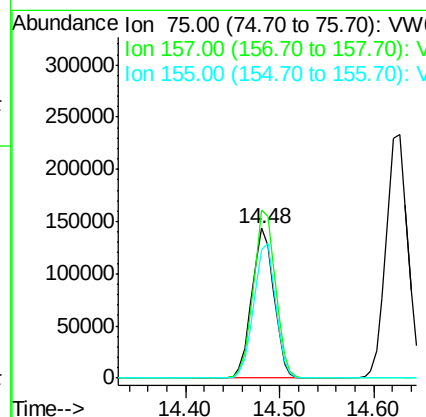
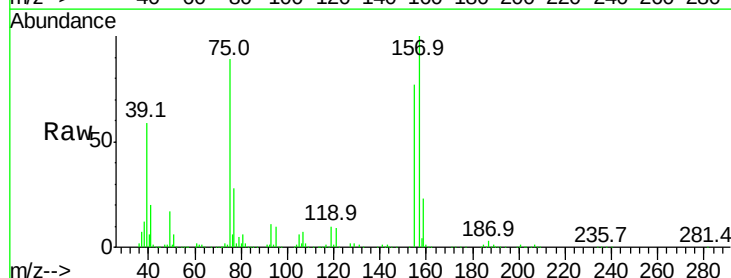
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10006

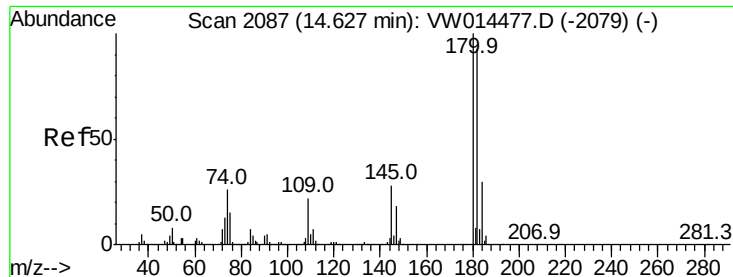
Tgt Ion:146 Resp: 3014940
 Ion Ratio Lower Upper
 146 100
 111 39.8 34.2 51.2
 148 64.7 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 92.553 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014479.D
 Acq: 27 Dec 2019 20:20

Tgt Ion: 75 Resp: 234206
 Ion Ratio Lower Upper
 75 100
 157 112.1 87.2 130.8
 155 85.9 67.8 101.8

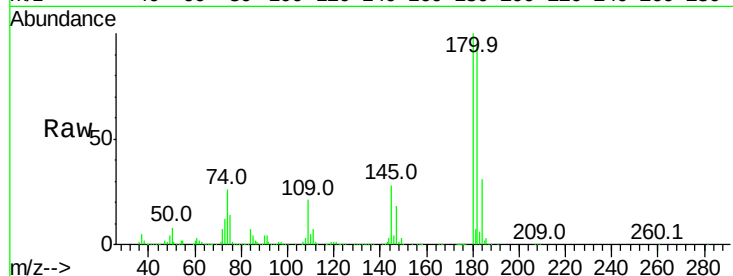




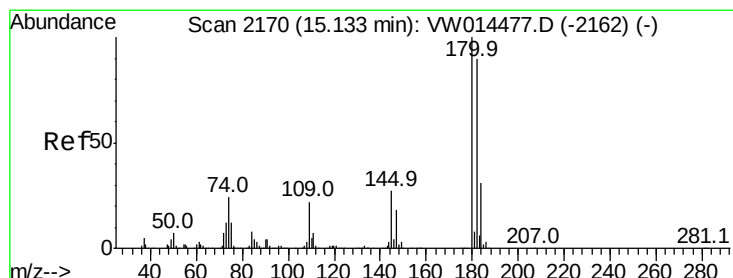
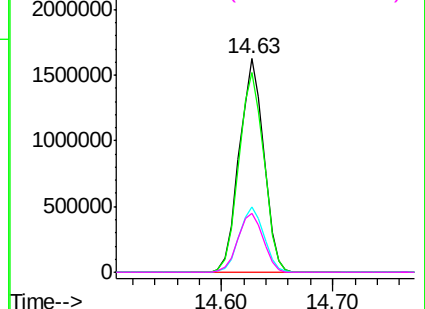
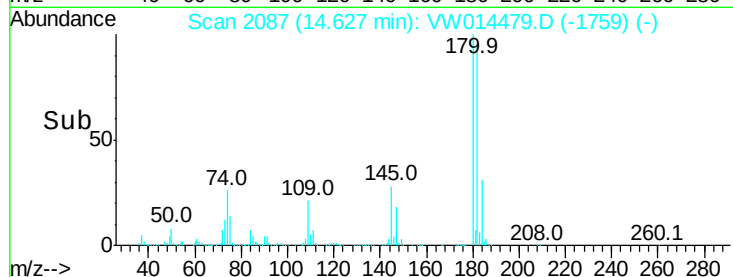
#67
 1,3,5-Trichlorobenzene
 Concen: 97.275 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014479.D
 Acq: 27 Dec 2019 20:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10006

Tgt Ion:180 Resp: 2468761
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.8 113.6
 184 31.0 24.0 36.0
 145 28.6 22.6 33.8

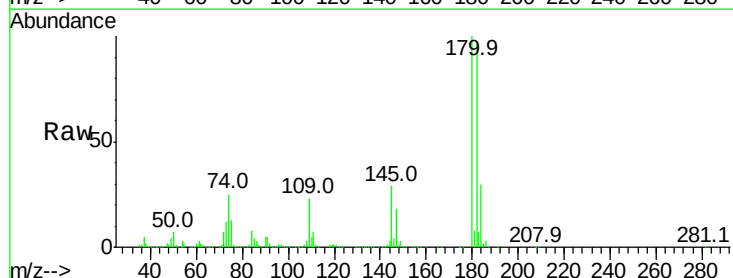


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

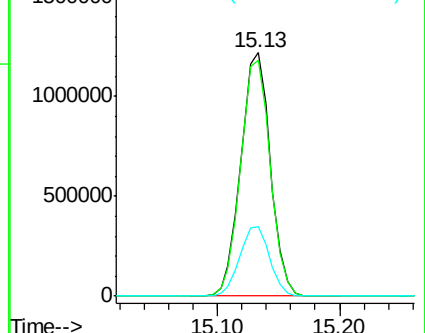
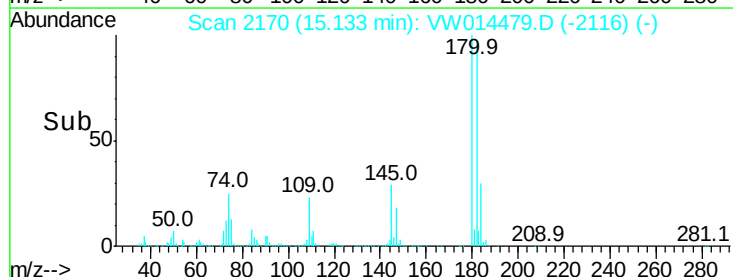


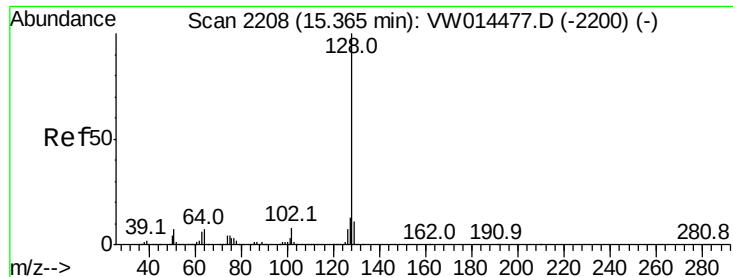
#68
 1,2,4-trichlorobenzene
 Concen: 103.149 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014479.D
 Acq: 27 Dec 2019 20:20

Tgt Ion:180 Resp: 2040780
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.2 114.4
 145 28.9 23.1 34.7



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: 109.027 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

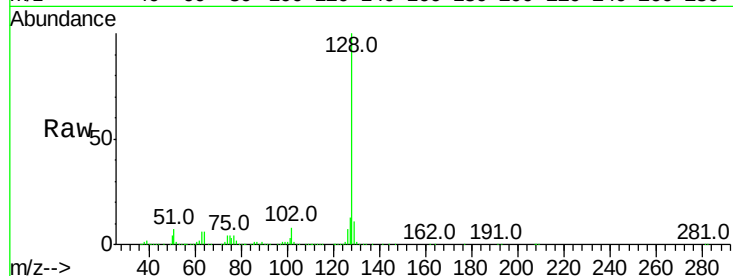
Tgt Ion:128 Resp: 4056494

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

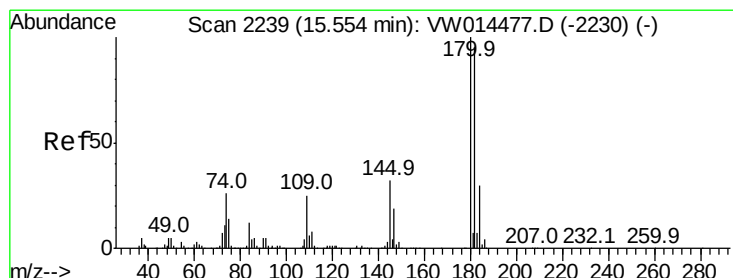
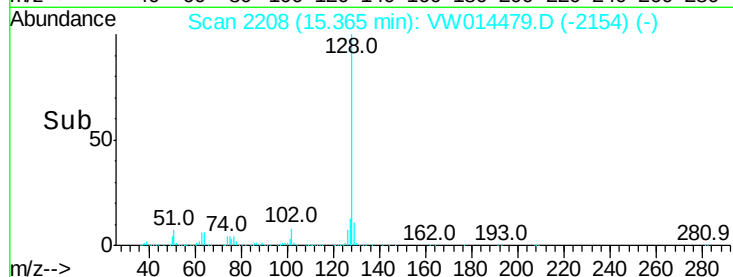
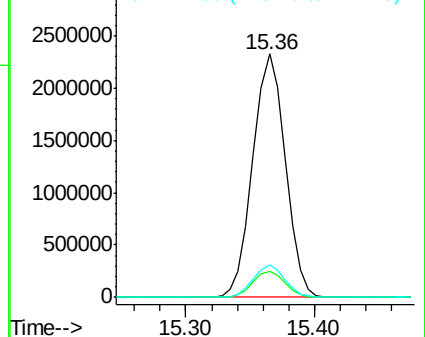
127 13.1 10.6 16.0



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: 98.262 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014479.D

Acq: 27 Dec 2019 20:20

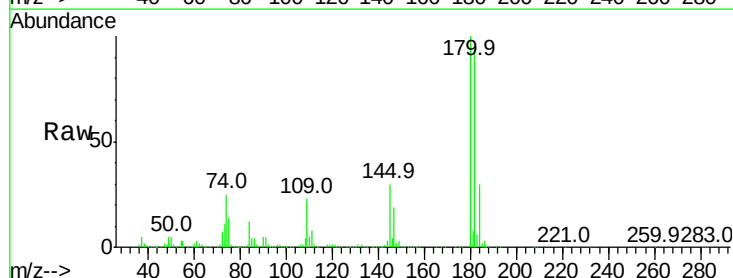
Tgt Ion:180 Resp: 1823107

Ion Ratio Lower Upper

180 100

182 95.2 77.0 115.6

145 30.6 24.9 37.3



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

