

Data File : VW012930.D
Acq On : 12 Sep 2019 12:15
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: Sep 12 12:41:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091219S.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 12 12:18:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	433375	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	380711	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	191194	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	194302	31.84	ug/L	0.00
7) Chloroethane-d5	2.88	69	163874	37.28	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	487840	34.87	ug/L	0.00
20) 2-Butanone-d5	7.07	46	151114	54.99	ug/L	0.00
24) Chloroform-d	7.65	84	490483	41.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	257133	36.51	ug/L	0.00
29) Benzene-d6	8.27	84	883543	36.91	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	291065	37.66	ug/L	0.00
37) Toluene-d8	10.32	98	847021	39.86	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	132344	39.07	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	113624	62.94	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	217828	33.94	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	322618	43.79	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	197265	40.615	ug/L	100
3) Chloromethane	2.21	50	235010	37.199	ug/L	97
5) Vinyl chloride	2.36	62	310600	38.534	ug/L	98
6) Bromomethane	2.78	94	181305	47.712	ug/L	99
8) Chloroethane	2.92	64	180941	42.921	ug/L	99
9) Trichlorofluoromethane	3.26	101	196359	47.822	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	265146	42.594	ug/L	99
12) 1,1-Dichloroethene	4.04	96	261387	41.994	ug/L	89
13) Acetone	4.11	43	143993	48.930	ug/L	98
14) Carbon disulfide	4.38	76	819060	40.402	ug/L	99
15) Methyl Acetate	4.67	43	129529	26.920	ug/L	98
16) Methylene chloride	4.91	84	269418	39.837	ug/L	100
17) Methyl tert-butyl Ether	5.42	73	448098	43.230	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	283006	44.008	ug/L	97
19) 1,1-Dichloroethane	6.21	63	529726	41.234	ug/L	99
21) 2-Butanone	7.17	43	188871	51.189	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	301718	44.845	ug/L	97
23) Bromochloromethane	7.51	128	127738	44.623	ug/L	98
25) Chloroform	7.67	83	520637	43.969	ug/L	99
27) 1,2-Dichloroethane	8.40	62	356290	40.646	ug/L	100
30) Cyclohexane	7.95	56	532121	40.209	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	435216	46.916	ug/L	99
32) Carbon tetrachloride	8.07	117	415260	47.583	ug/L	99
34) Benzene	8.32	78	1151620	43.166	ug/L	100
35) Trichloroethene	9.09	95	307656	45.424	ug/L	100
36) Methylcyclohexane	9.34	83	547366	44.548	ug/L	99
40) 1,2-Dichloropropane	9.37	63	286155	40.182	ug/L	99
41) Bromodichloromethane	9.64	83	373342	44.426	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	472551	44.363	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	376337	58.325	ug/L	99

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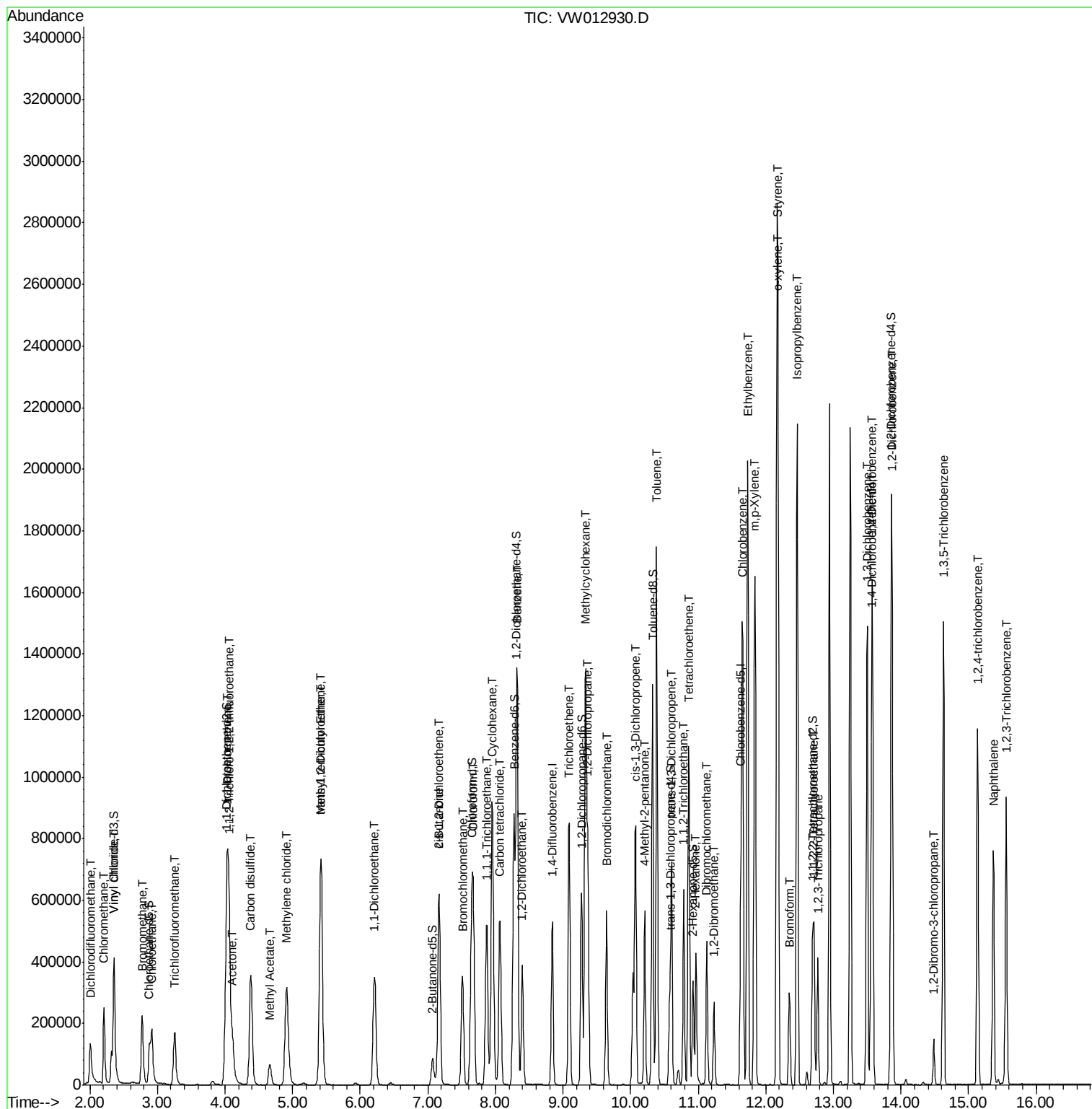
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	1253752	46.255	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	382659	43.177	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	195301	40.224	ug/L	99
47) Tetrachloroethene	10.86	164	258440	49.956	ug/L	97
49) 2-Hexanone	10.96	43	282644	56.857	ug/L	99
50) Dibromochloromethane	11.13	129	247186	46.189	ug/L	97
51) 1,2-Dibromoethane	11.23	107	188020	39.796	ug/L	95
52) Chlorobenzene	11.66	112	766977	46.901	ug/L	99
53) Ethylbenzene	11.73	91	1422927	47.074	ug/L	99
54) m,p-Xylene	11.84	106	526718	47.921	ug/L	99
55) o-xylene	12.16	106	497945	48.137	ug/L	99
56) Styrene	12.18	104	854674	48.599	ug/L	95
57) Isopropylbenzene	12.46	105	1381384	48.541	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	221488	34.327	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	166032	33.364	ug/L	99
62) Bromoform	12.35	173	141860	41.472	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	612632	47.210	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	606163	46.515	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	538877	45.860	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	37062	30.474	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	472789	49.500	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	384126	49.937	ug/L	96
69) Naphthalene	15.36	128	648674	41.876	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	332917	46.731	ug/L	99

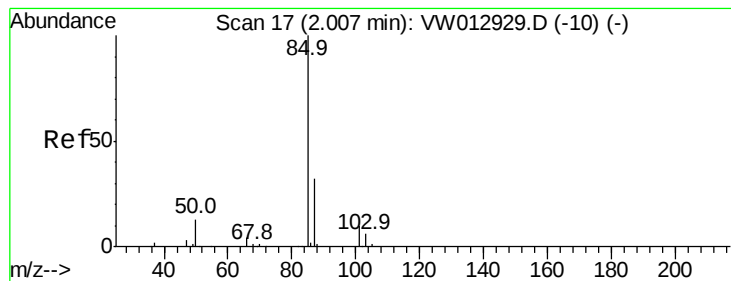
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 40.615 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

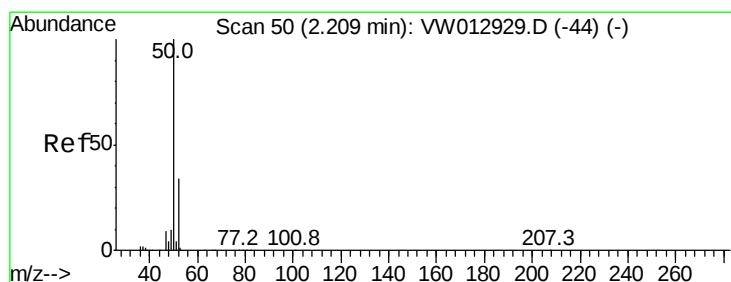
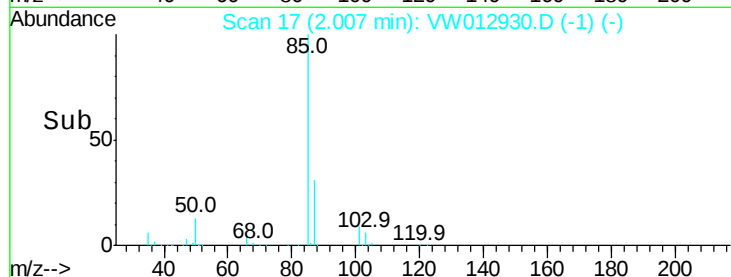
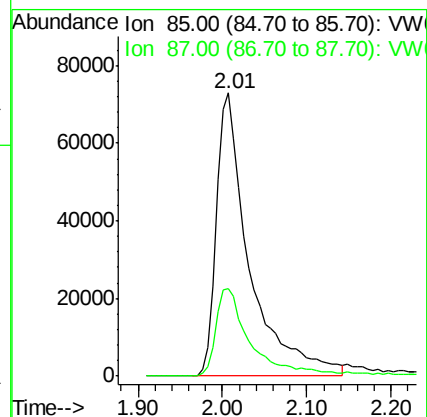
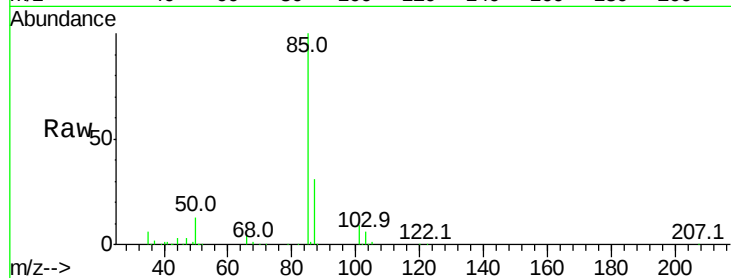
VSTD05004

Tgt Ion: 85 Resp: 197265

Ion Ratio Lower Upper

85 100

87 28.7 20.1 37.3



#3

Chloromethane

Concen: 37.199 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012930.D

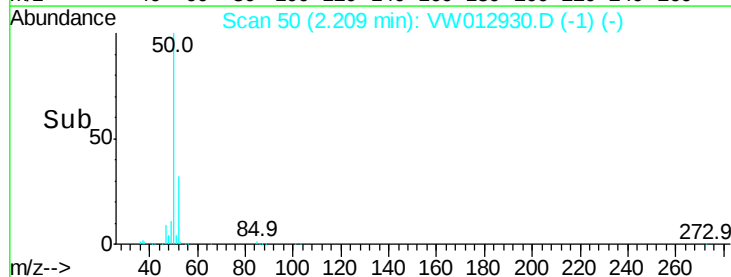
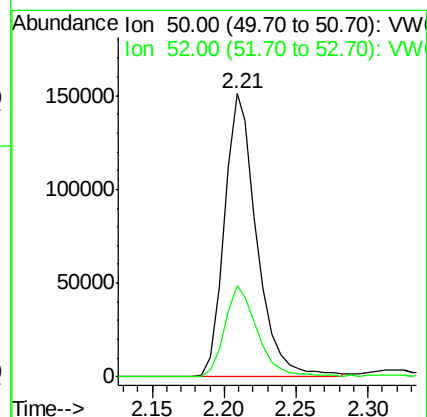
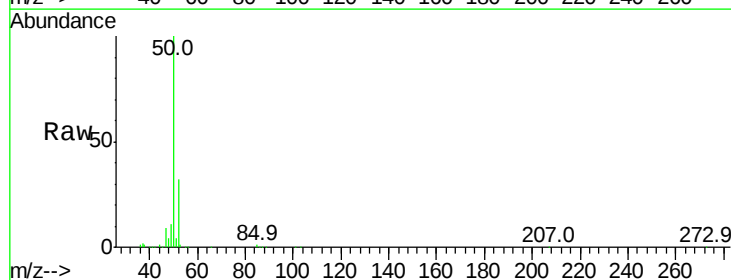
Acq: 12 Sep 2019 12:15

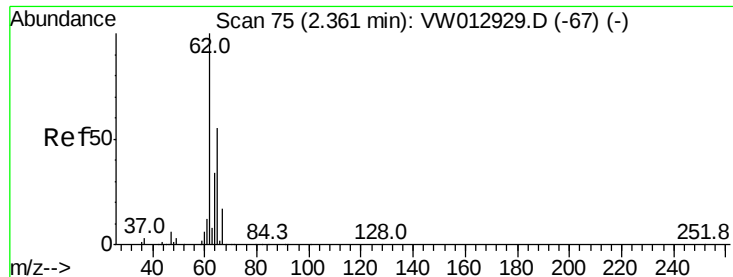
Tgt Ion: 50 Resp: 235010

Ion Ratio Lower Upper

50 100

52 32.1 23.5 43.7





#5

Vinyl chloride

Concen: 38.534 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

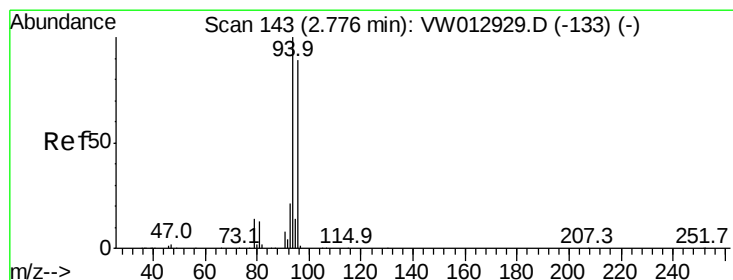
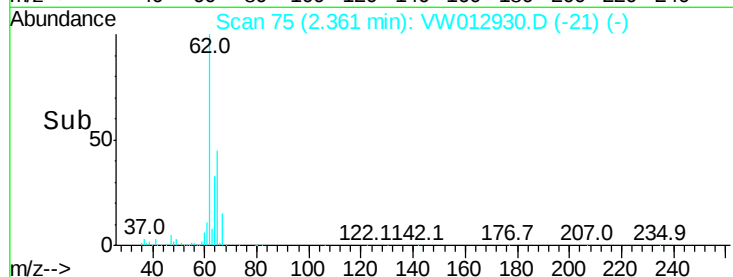
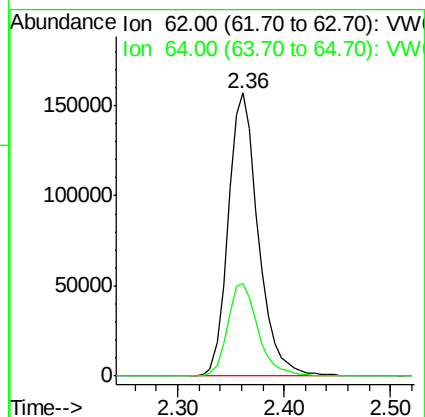
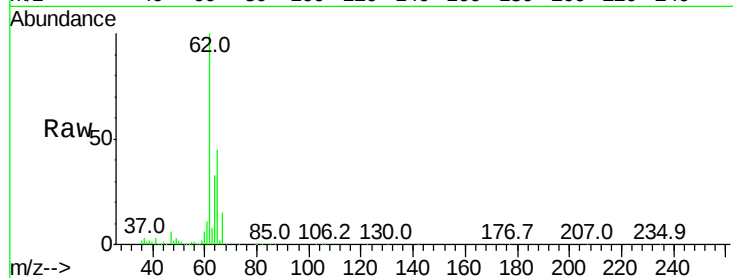
VSTD05004

Tgt Ion: 62 Resp: 310600

Ion Ratio Lower Upper

62 100

64 32.8 23.7 44.1



#6

Bromomethane

Concen: 47.712 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW012930.D

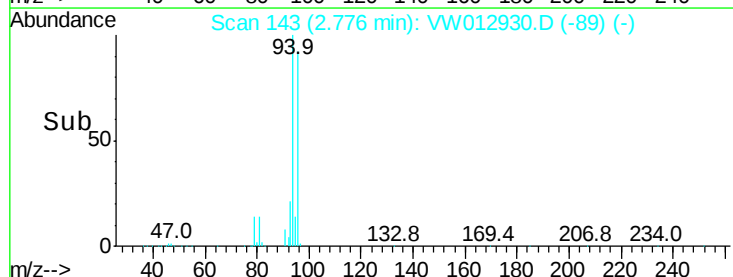
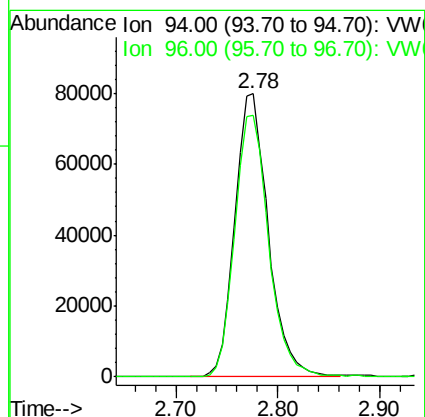
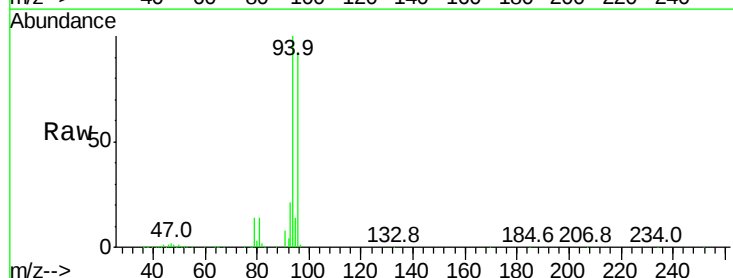
Acq: 12 Sep 2019 12:15

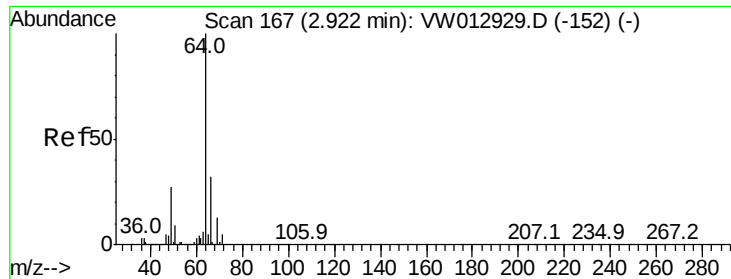
Tgt Ion: 94 Resp: 181305

Ion Ratio Lower Upper

94 100

96 93.7 9.3 176.9





#8

Chloroethane

Concen: 42.921 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

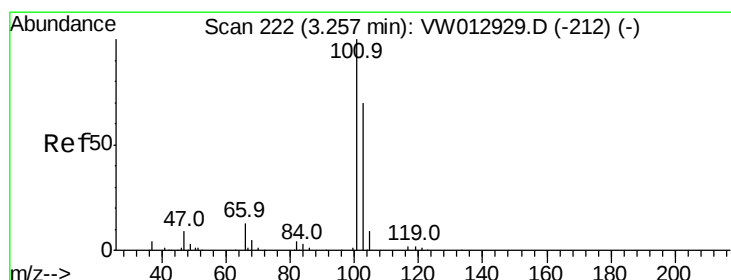
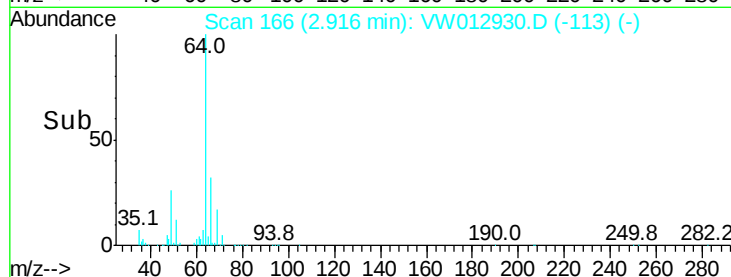
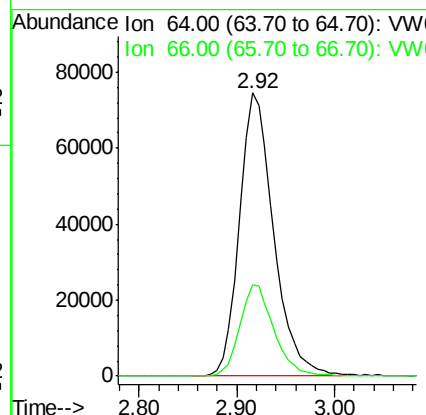
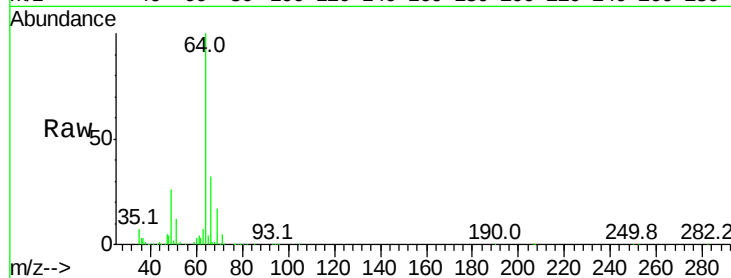
VSTD05004

Tgt Ion: 64 Resp: 180941

Ion Ratio Lower Upper

64 100

66 32.3 22.1 41.1



#9

Trichlorofluoromethane

Concen: 47.822 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW012930.D

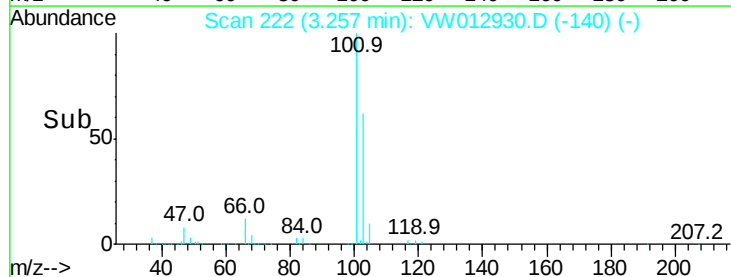
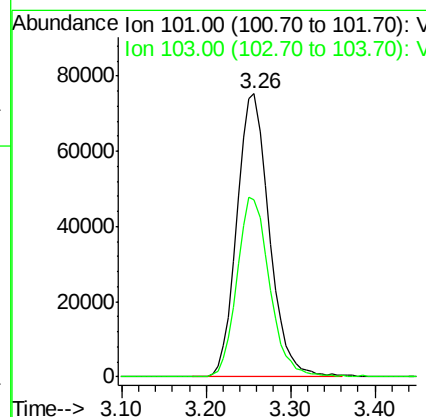
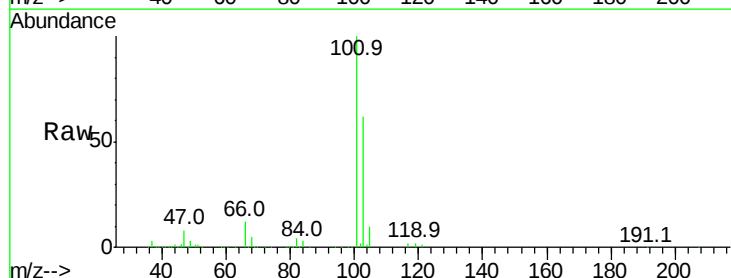
Acq: 12 Sep 2019 12:15

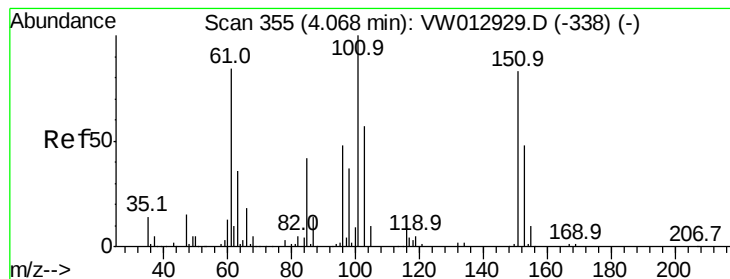
Tgt Ion: 101 Resp: 196359

Ion Ratio Lower Upper

101 100

103 63.3 45.9 85.3





#11

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

Concen: 42.594 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

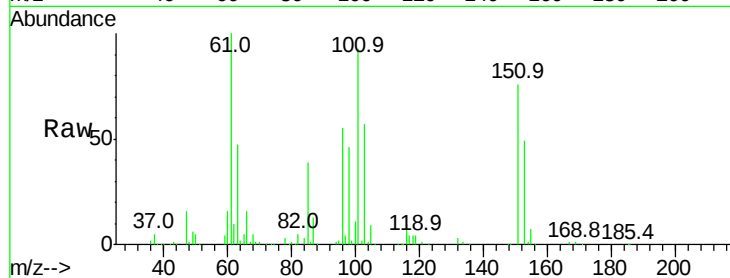
Tgt Ion:101 Resp: 265146

Ion Ratio Lower Upper

101 100

85 44.1 34.6 52.0

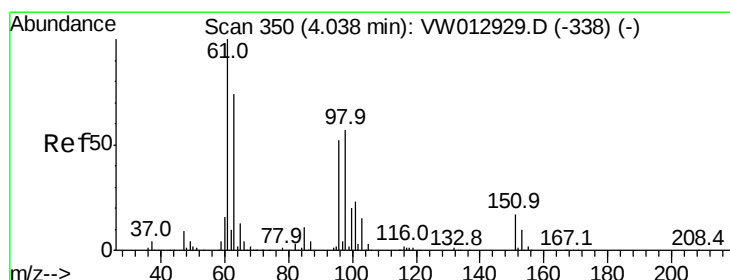
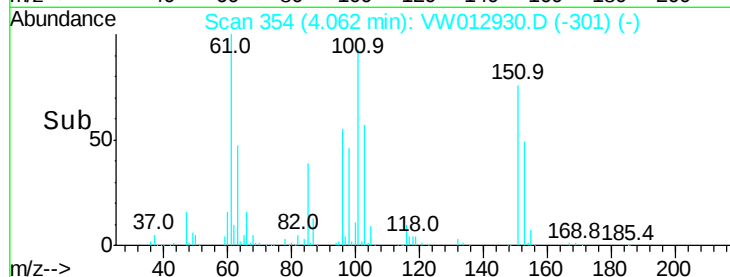
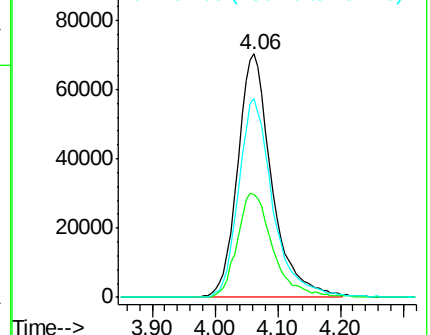
151 80.2 64.8 97.2



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: 41.994 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

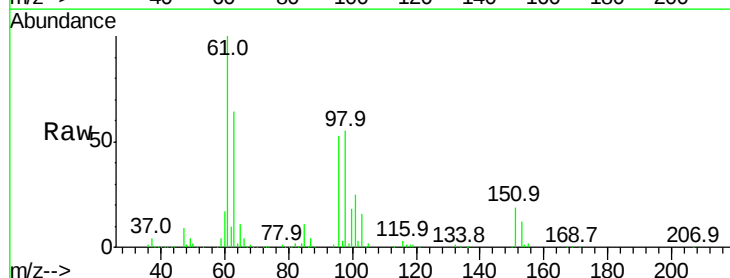
Tgt Ion: 96 Resp: 261387

Ion Ratio Lower Upper

96 100

61 188.3 135.3 251.3

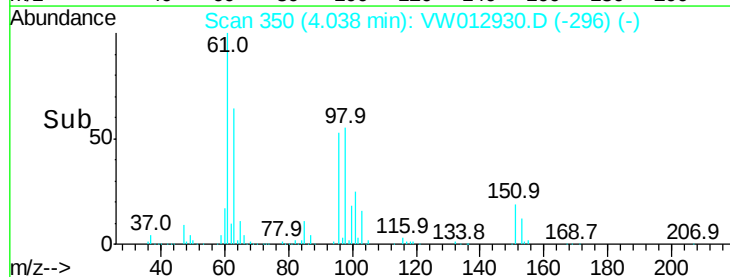
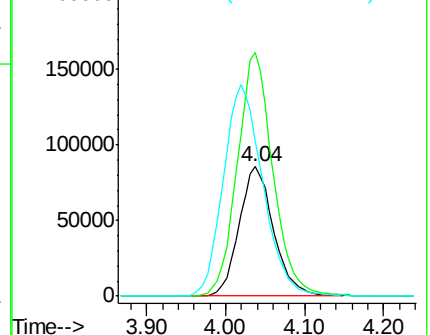
63 120.5 102.0 189.4

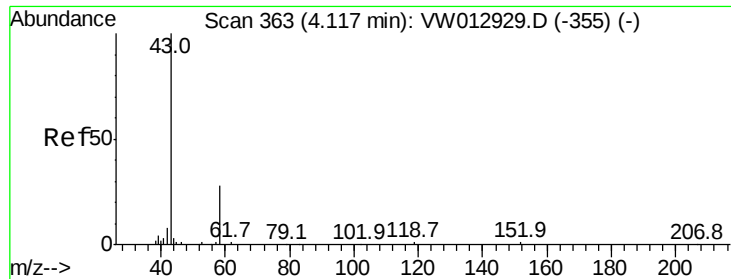


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

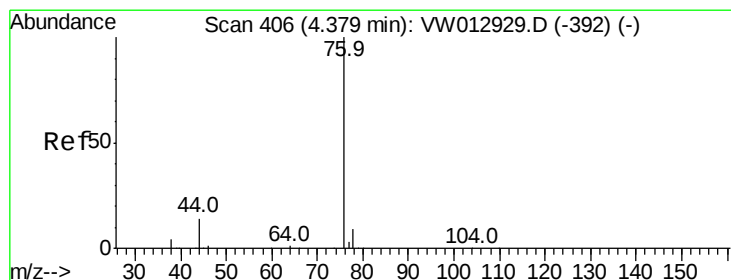
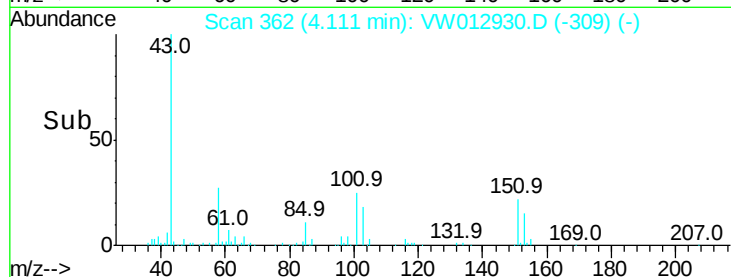
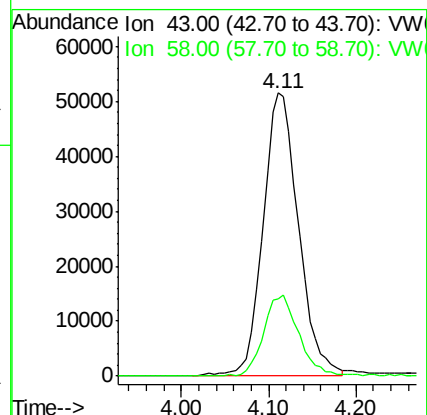
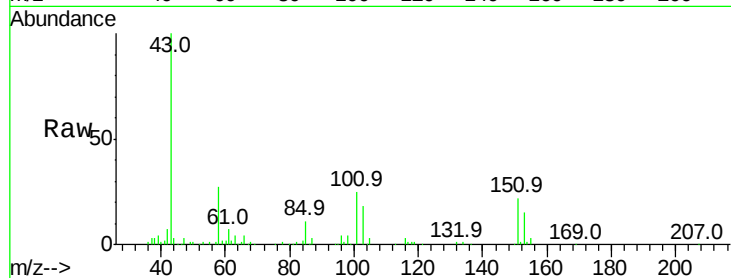




#13
Acetone
Concen: 48.930 ug/L
RT: 4.11 min Scan# 362
Delta R.T. -0.01 min
Lab File: VW012930.D
Acq: 12 Sep 2019 12:15

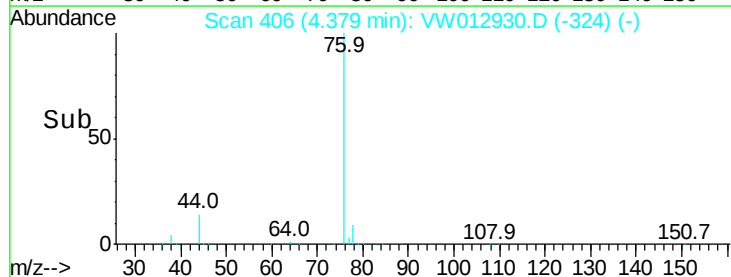
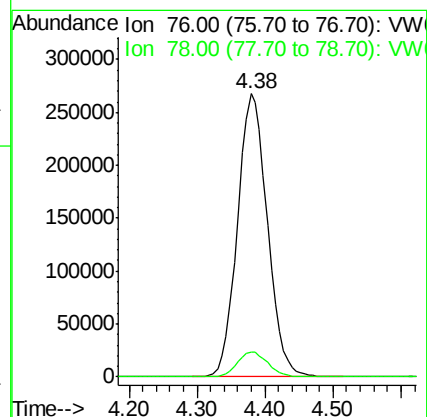
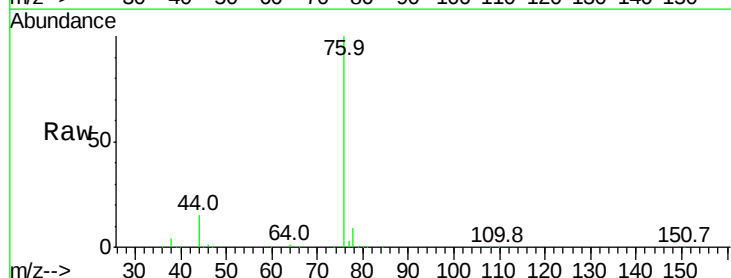
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

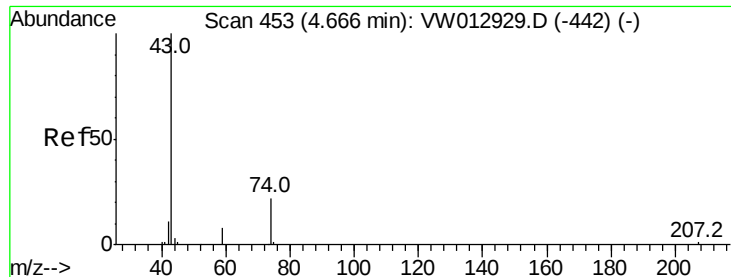
Tgt Ion: 43 Resp: 143993
Ion Ratio Lower Upper
43 100
58 28.5 0.0 59.4



#14
Carbon disulfide
Concen: 40.402 ug/L
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW012930.D
Acq: 12 Sep 2019 12:15

Tgt Ion: 76 Resp: 819060
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3

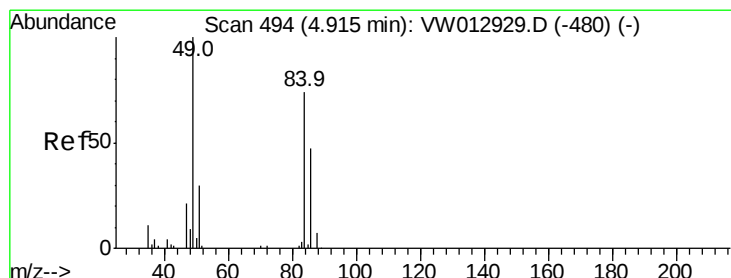
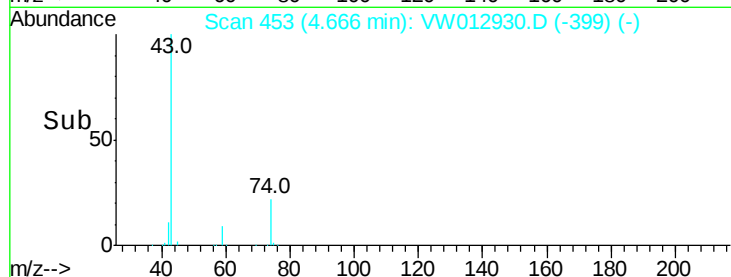
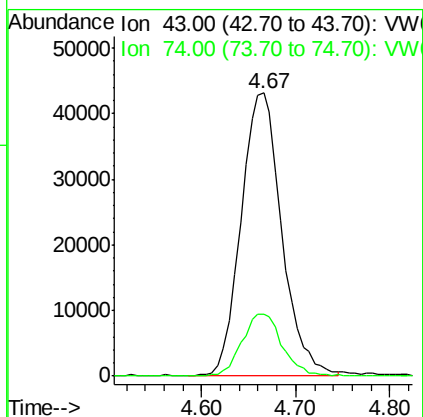
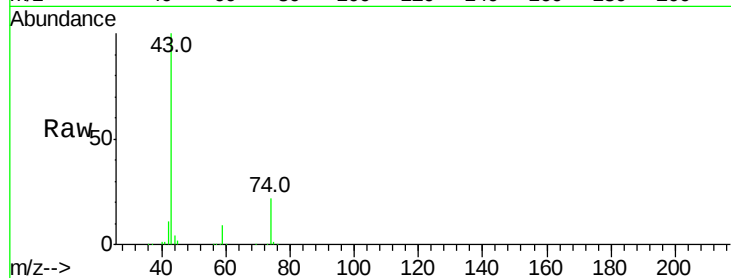




#15
Methyl Acetate
Concen: 26.920 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW012930.D
Acq: 12 Sep 2019 12:15

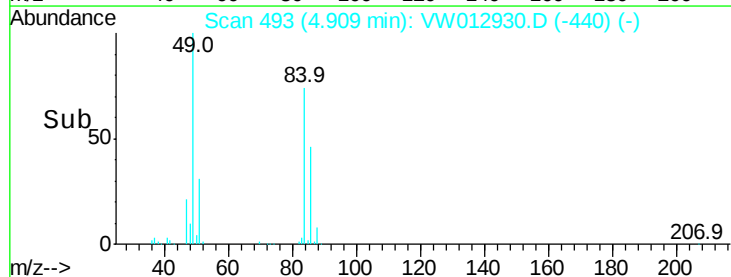
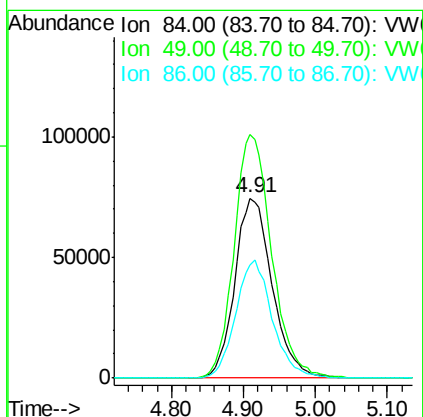
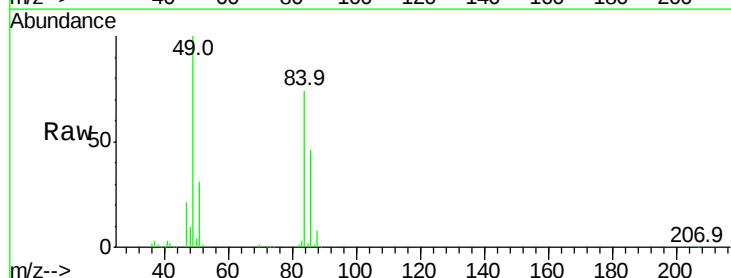
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

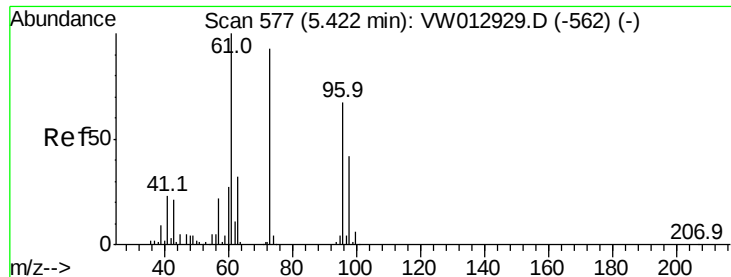
Tgt Ion: 43 Resp: 129529
Ion Ratio Lower Upper
43 100
74 21.7 16.6 25.0



#16
Methylene chloride
Concen: 39.837 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012930.D
Acq: 12 Sep 2019 12:15

Tgt Ion: 84 Resp: 269418
Ion Ratio Lower Upper
84 100
49 135.4 94.7 175.9
86 62.5 44.4 82.4

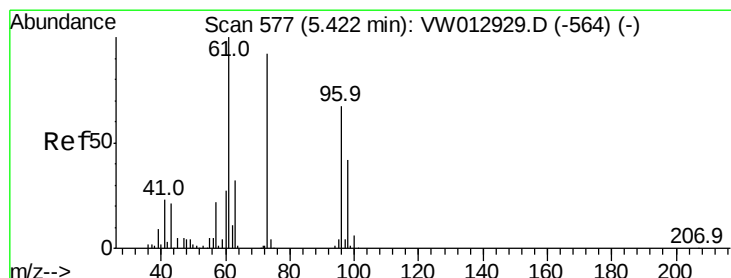
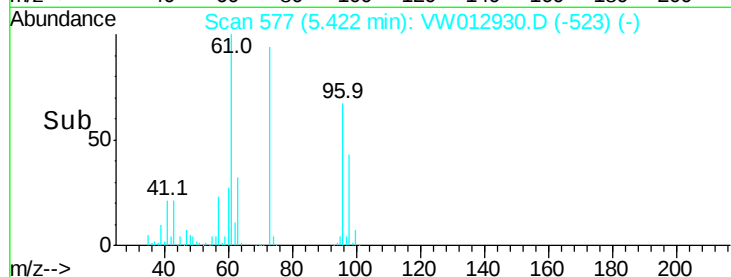
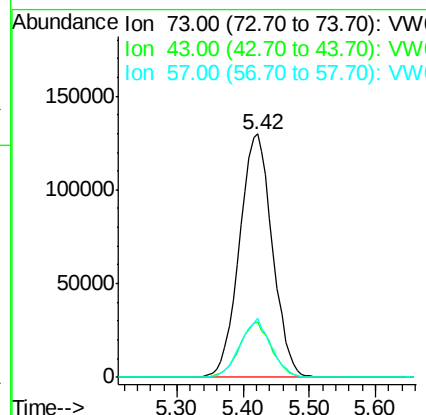
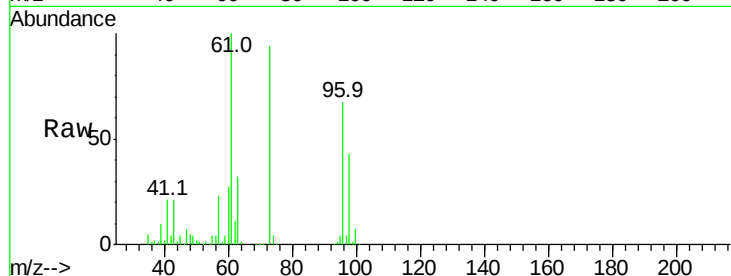




#17
Methyl tert-butyl Ether
Concen: 43.230 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW012930.D
Acq: 12 Sep 2019 12:15

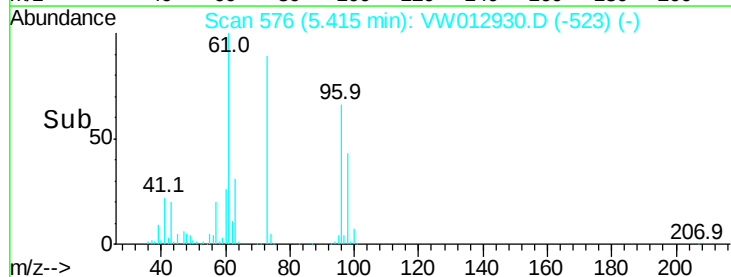
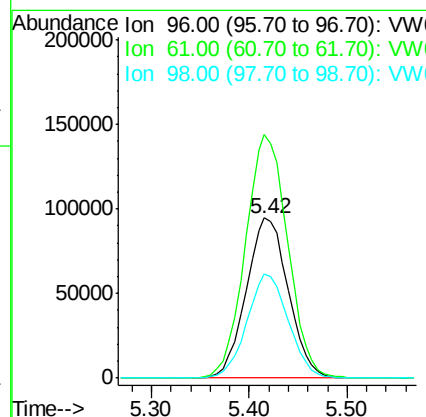
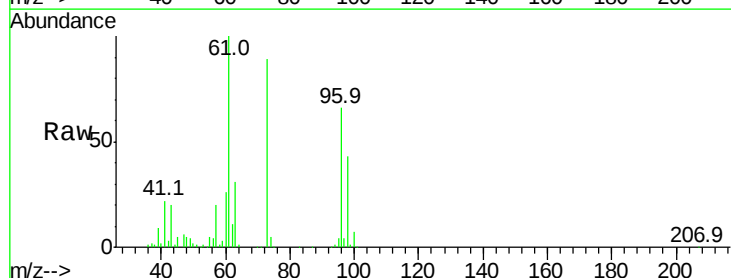
Instrument :
MSVOA_W
ClientSampled :
VSTD05004

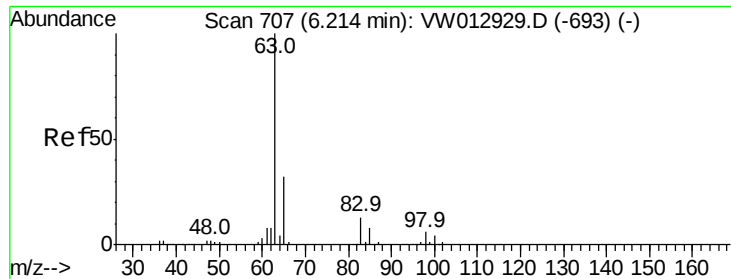
Tgt Ion: 73 Resp: 448098
Ion Ratio Lower Upper
73 100
43 22.0 18.0 27.0
57 22.7 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 44.008 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012930.D
Acq: 12 Sep 2019 12:15

Tgt Ion: 96 Resp: 283006
Ion Ratio Lower Upper
96 100
61 151.9 104.0 193.1
98 64.6 44.0 81.8

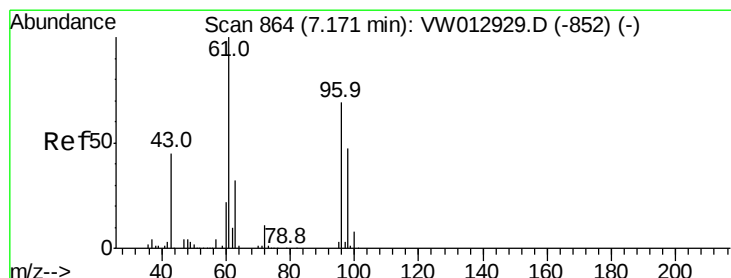
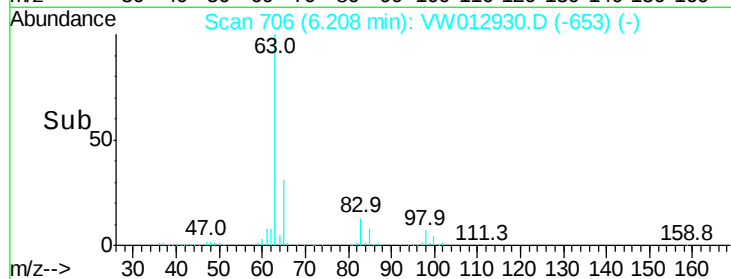
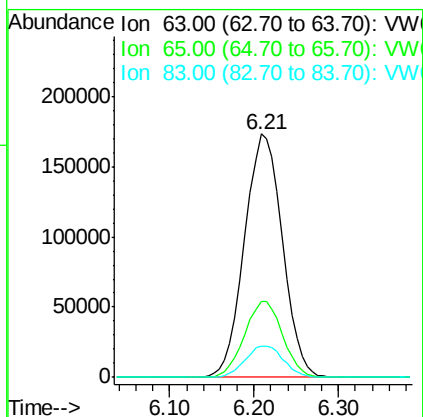
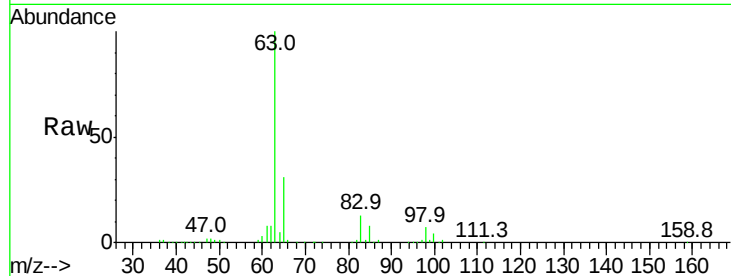




#19
 1,1-Dichloroethane
 Concen: 41.234 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW012930.D
 Acq: 12 Sep 2019 12:15

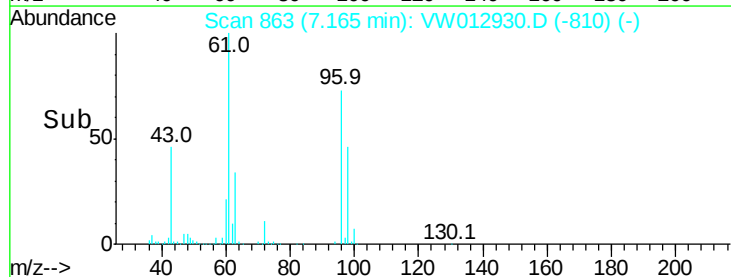
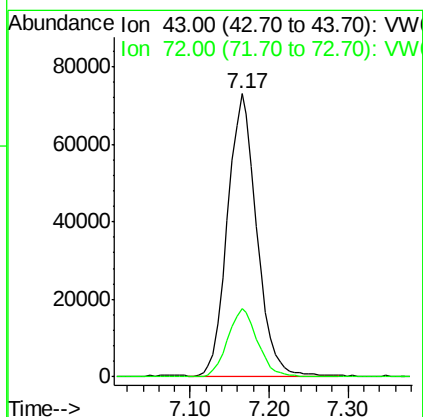
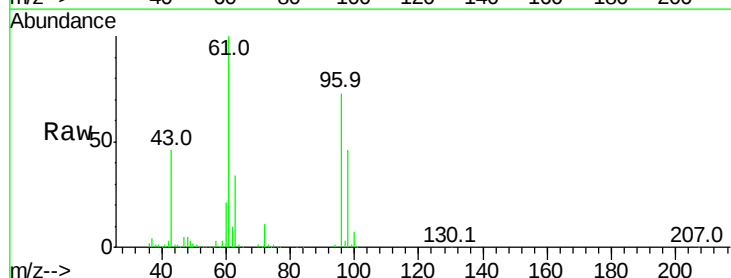
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

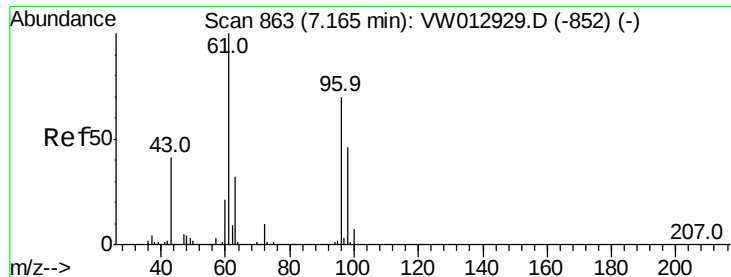
Tgt Ion: 63 Resp: 529726
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.0 41.0
 83 13.1 8.9 16.5



#21
 2-Butanone
 Concen: 51.189 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012930.D
 Acq: 12 Sep 2019 12:15

Tgt Ion: 43 Resp: 188871
 Ion Ratio Lower Upper
 43 100
 72 24.5 12.7 38.1



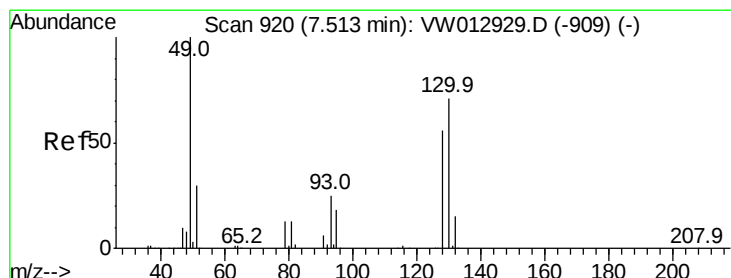
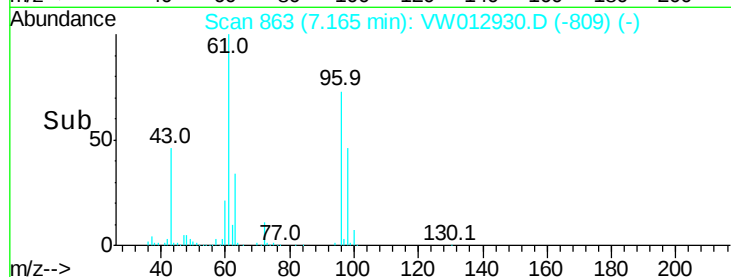
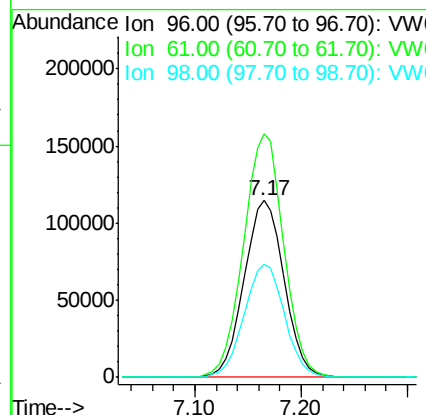
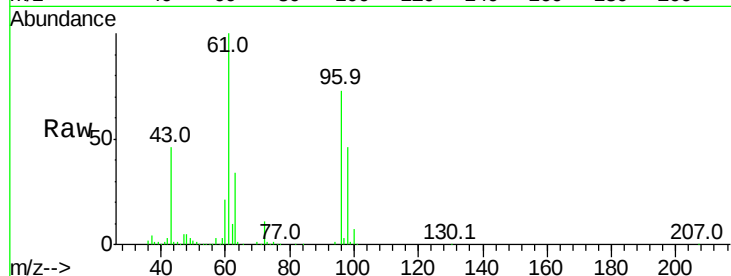


#22

cis-1,2-Dichloroethene
 Concen: 44.845 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW012930.D
 Acq: 12 Sep 2019 12:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

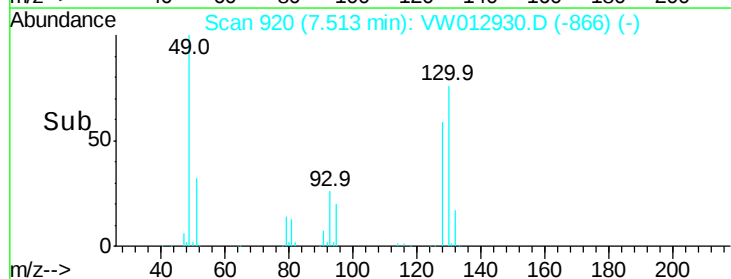
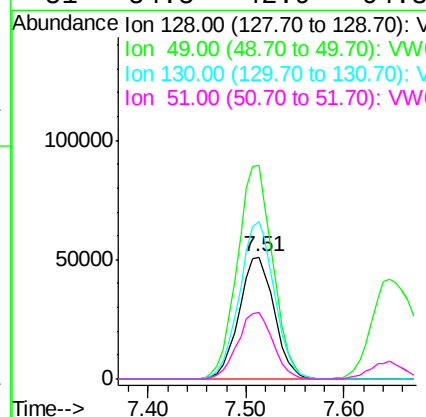
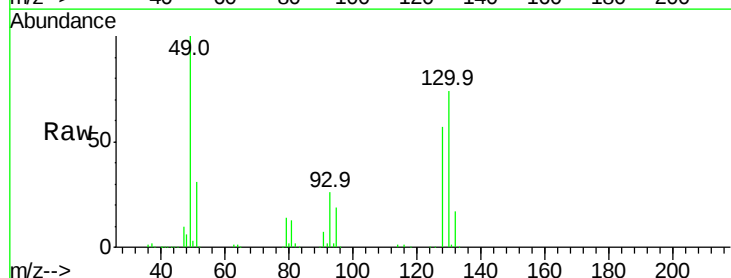
Tgt Ion: 96 Resp: 301718
 Ion Ratio Lower Upper
 96 100
 61 137.9 99.5 184.7
 98 63.9 45.6 84.6

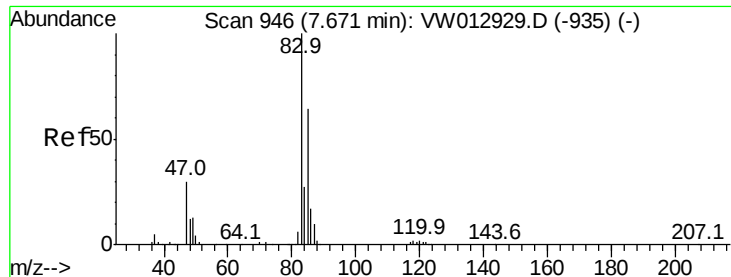


#23

Bromochloromethane
 Concen: 44.623 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW012930.D
 Acq: 12 Sep 2019 12:15

Tgt Ion: 128 Resp: 127738
 Ion Ratio Lower Upper
 128 100
 49 175.3 125.7 233.5
 130 129.0 89.0 165.4
 51 54.5 42.9 64.3

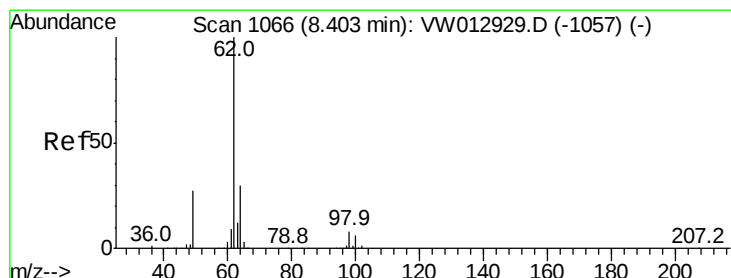
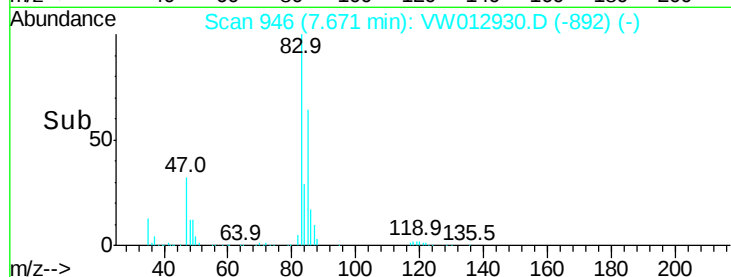
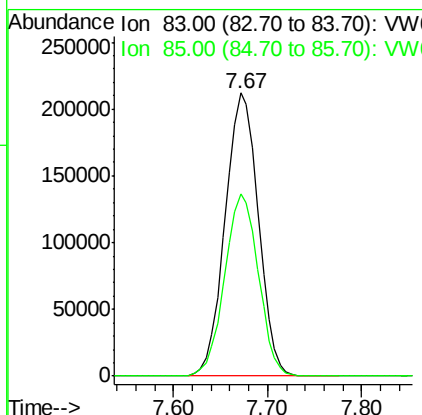
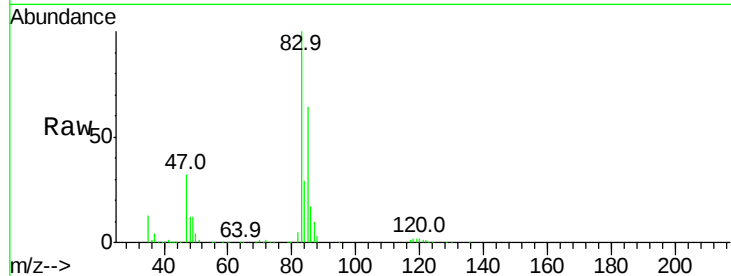




#25
Chloroform
Concen: 43.969 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW012930.D
Acq: 12 Sep 2019 12:15

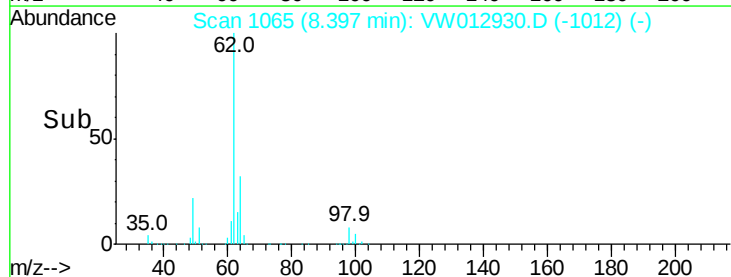
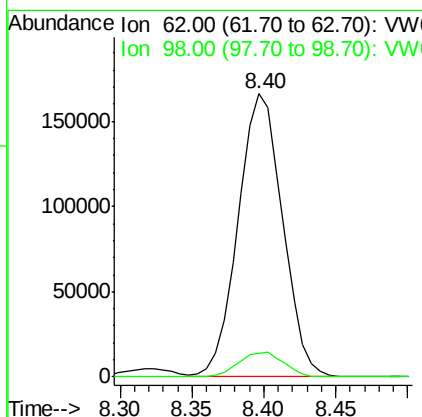
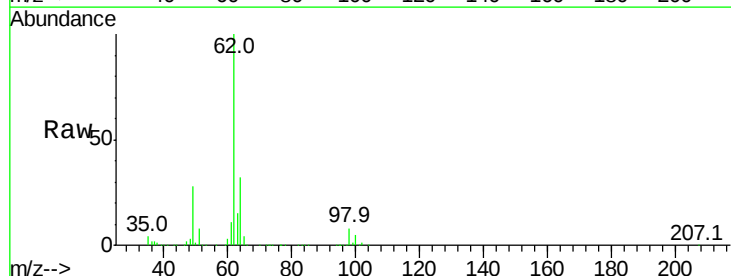
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

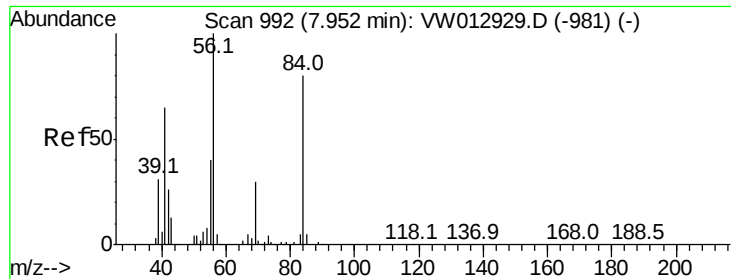
Tgt Ion: 83 Resp: 520637
Ion Ratio Lower Upper
83 100
85 65.1 45.3 84.1



#27
1,2-Dichloroethane
Concen: 40.646 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW012930.D
Acq: 12 Sep 2019 12:15

Tgt Ion: 62 Resp: 356290
Ion Ratio Lower Upper
62 100
98 8.4 6.7 10.1

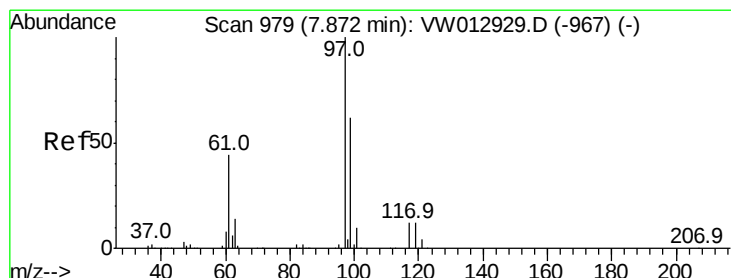
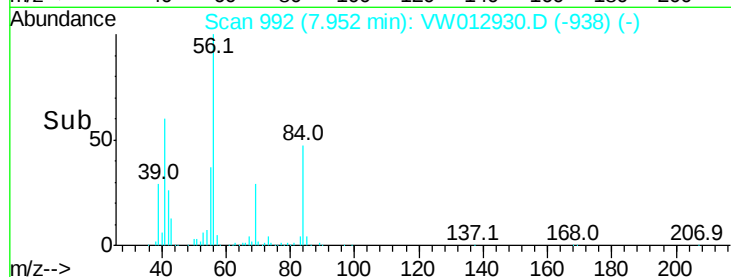
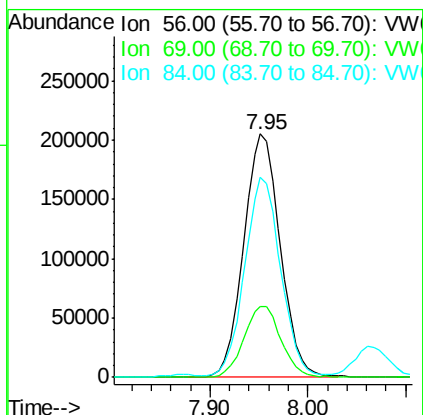
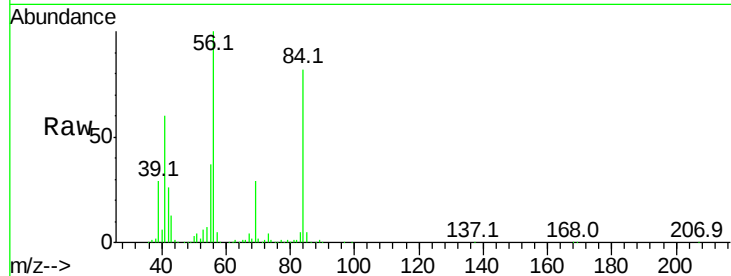




#30
Cyclohexane
Concen: 40.209 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW012930.D
Acq: 12 Sep 2019 12:15

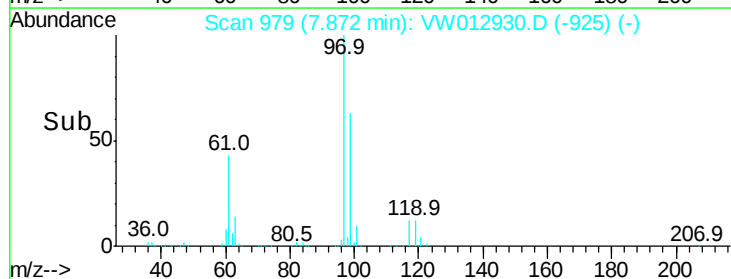
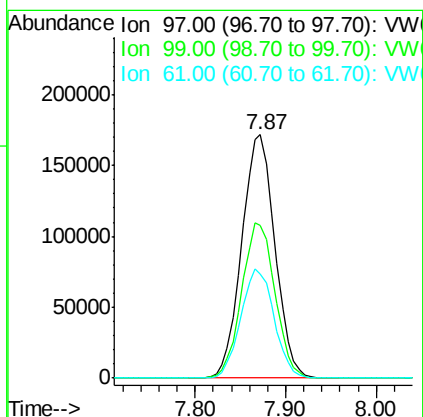
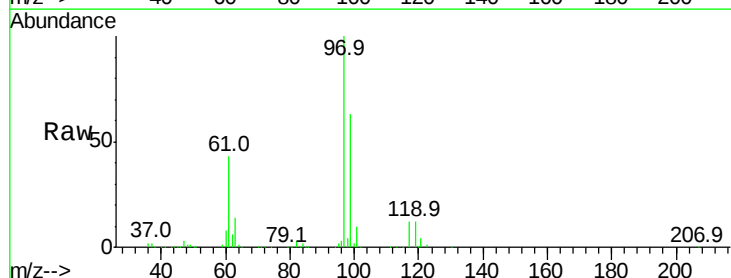
Instrument :
MSVOA_W
ClientSampled :
VSTD05004

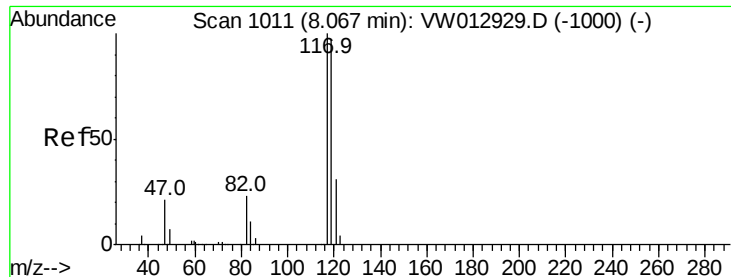
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.8	35.8
84	81.3	66.6	99.8



#31
1,1,1-Trichloroethane
Concen: 46.916 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW012930.D
Acq: 12 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.3	75.5
61	45.2	36.3	54.5





#32

Carbon tetrachloride

Concen: 47.583 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

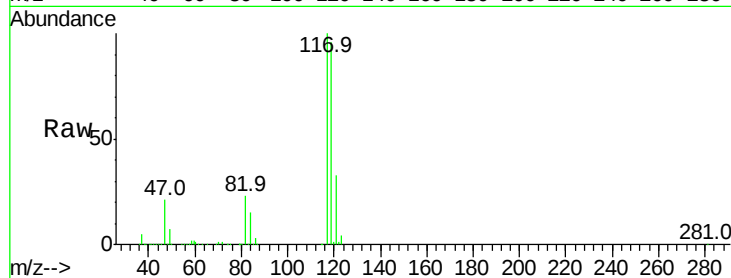
VSTD05004

Tgt Ion:117 Resp: 415260

Ion Ratio Lower Upper

117 100

119 96.6 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

200000

150000

100000

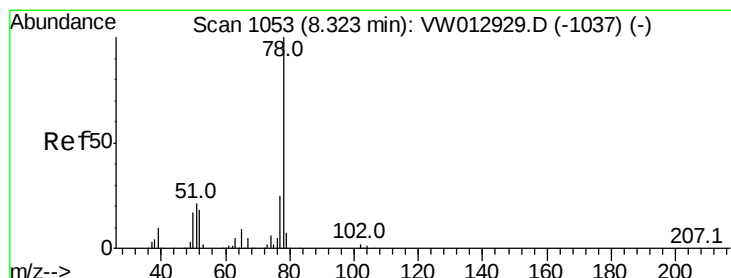
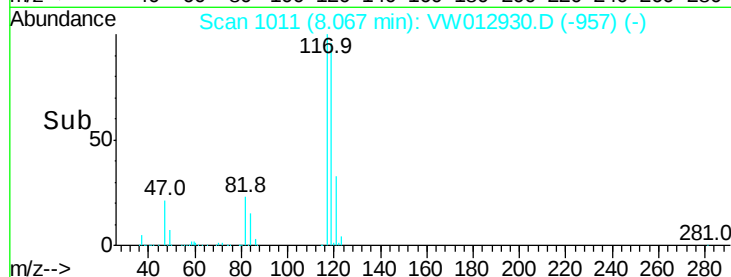
50000

0

8.07

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 43.166 ug/L

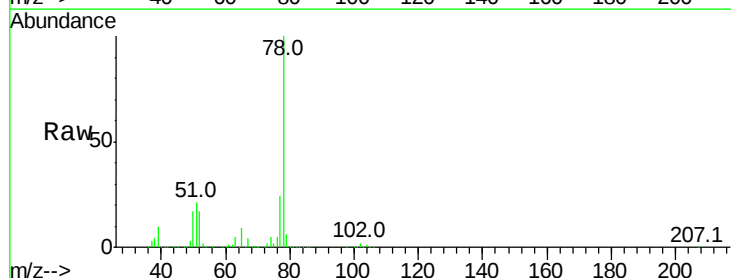
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

Tgt Ion: 78 Resp: 1151620



Abundance Ion 78.00 (77.70 to 78.70): VW

600000

500000

400000

300000

200000

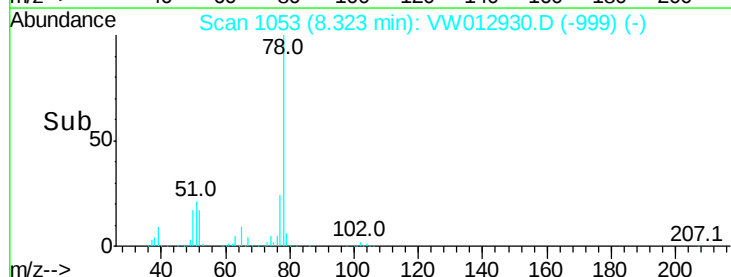
100000

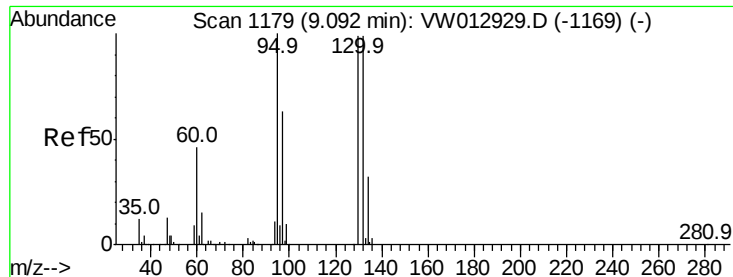
0

8.32

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 45.424 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

Tgt Ion: 95 Resp: 307656

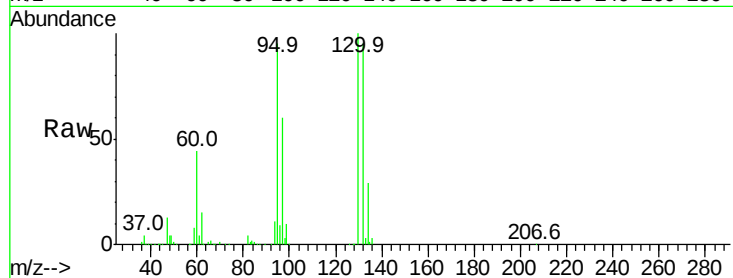
Ion Ratio Lower Upper

95 100

97 63.8 44.6 82.8

132 97.1 67.8 125.8

130 102.6 72.2 134.2

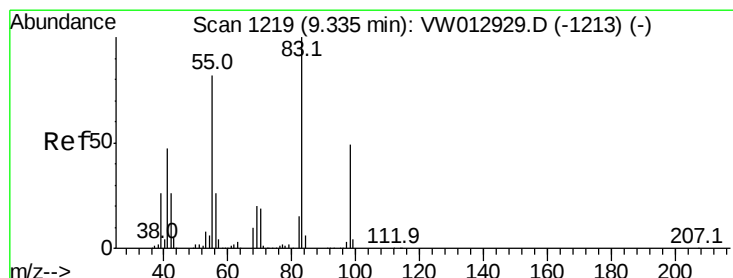
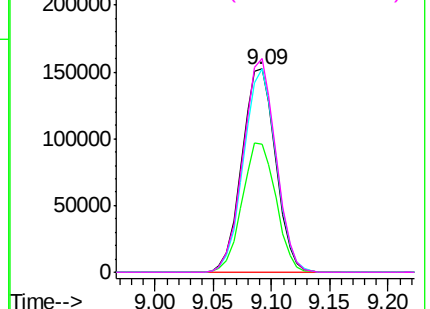
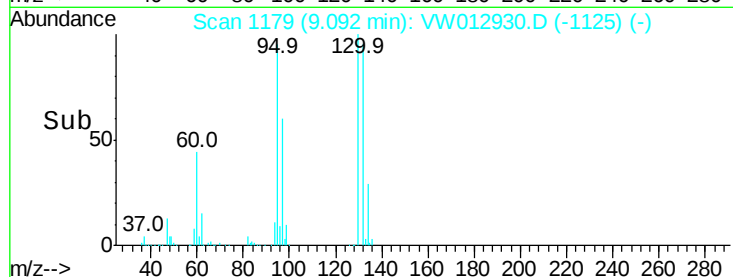


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 44.548 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

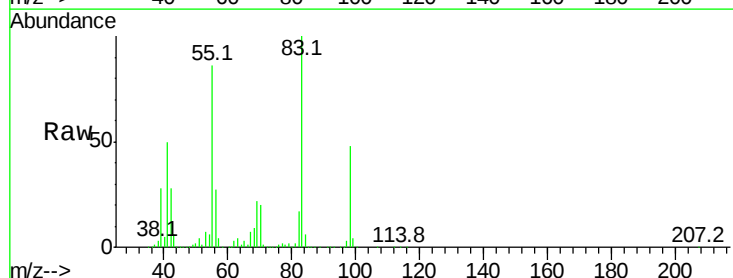
Tgt Ion: 83 Resp: 547366

Ion Ratio Lower Upper

83 100

55 83.4 68.3 102.5

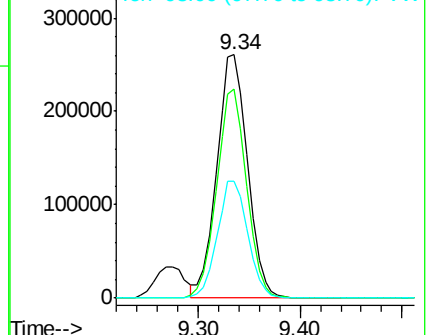
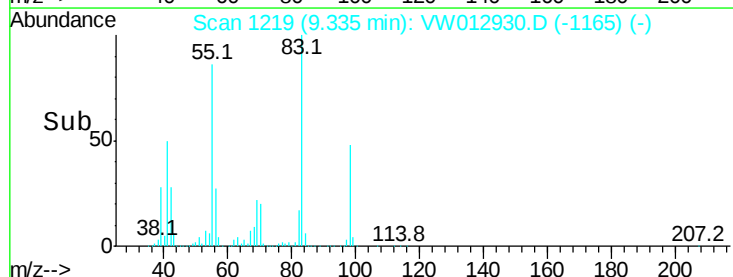
98 47.9 38.5 57.7

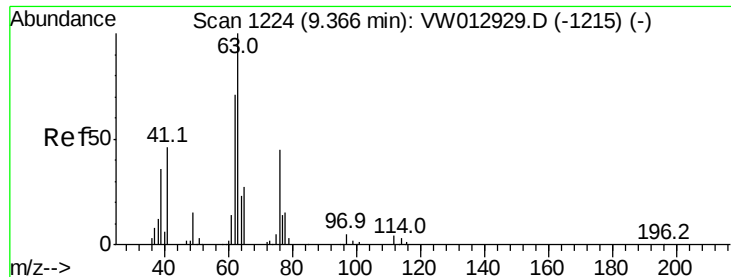


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 40.182 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

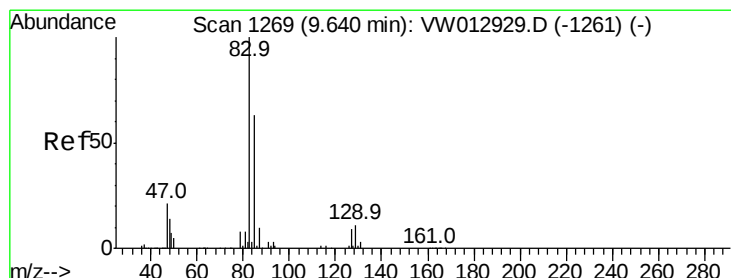
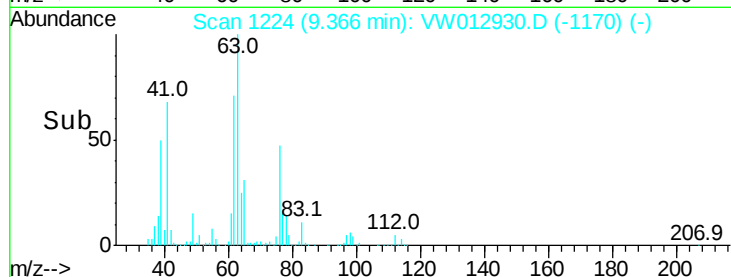
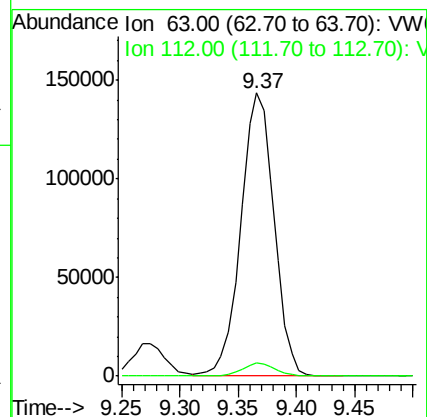
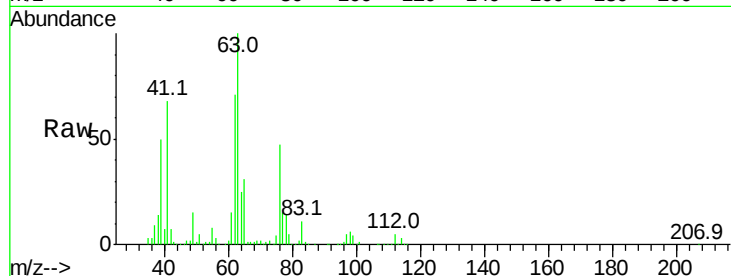
VSTD05004

Tgt Ion: 63 Resp: 286155

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.8



#41

Bromodichloromethane

Concen: 44.426 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

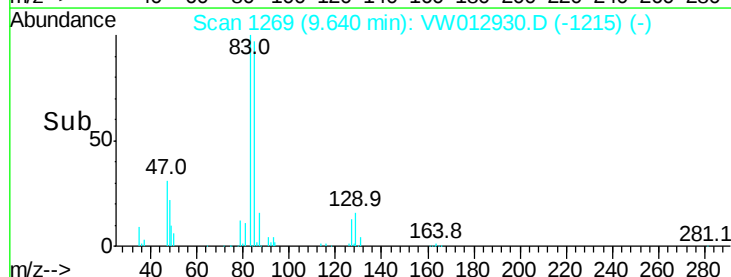
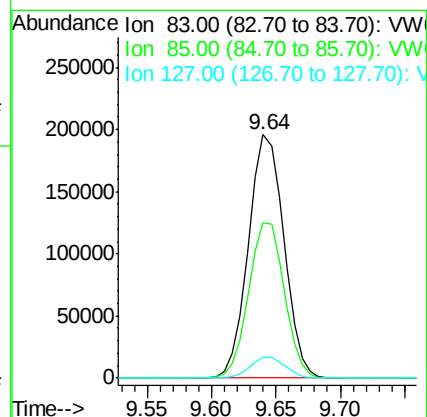
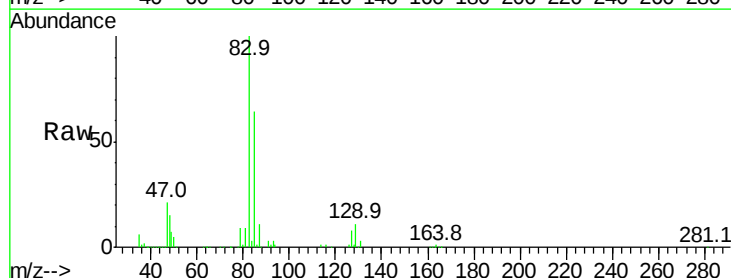
Tgt Ion: 83 Resp: 373342

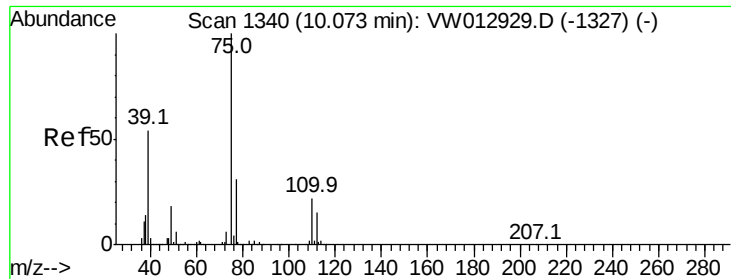
Ion Ratio Lower Upper

83 100

85 63.9 44.4 82.4

127 8.4 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 44.363 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

Instrument :

MSVOA_W

ClientSampled :

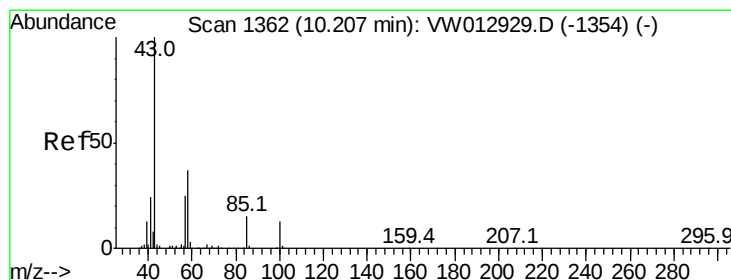
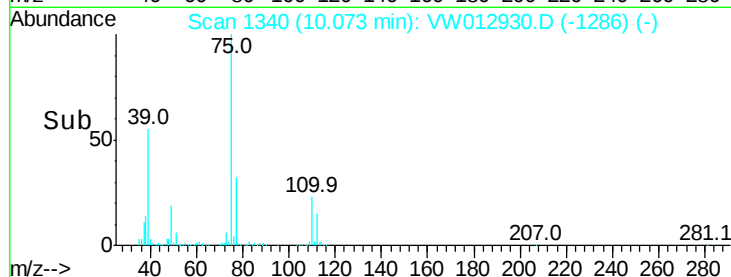
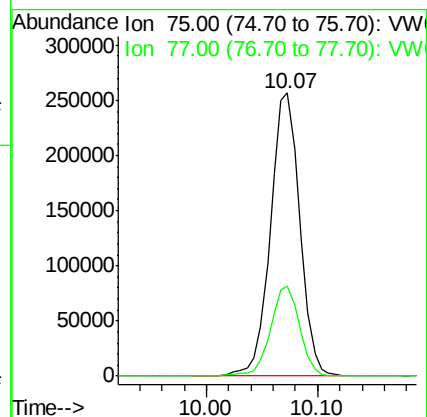
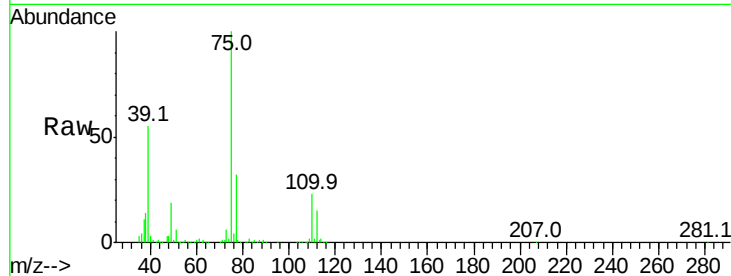
VSTD05004

Tgt Ion: 75 Resp: 472551

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.0



#43

4-Methyl-2-pentanone

Concen: 58.325 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

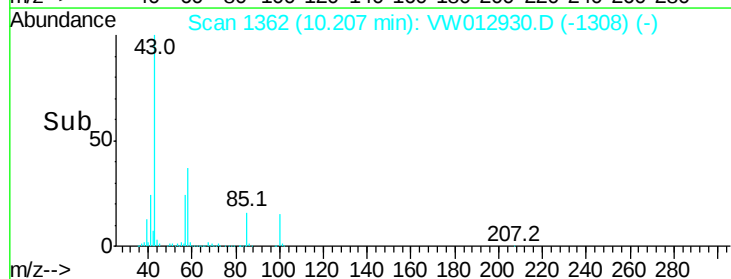
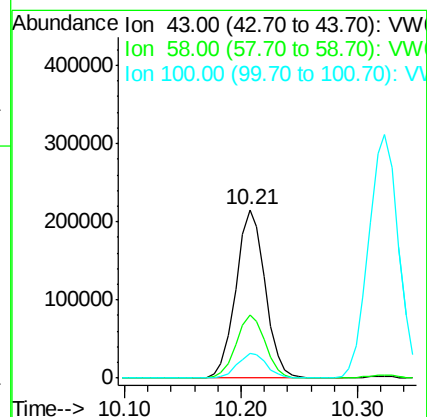
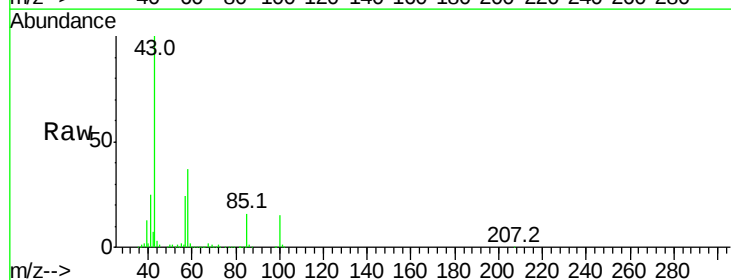
Tgt Ion: 43 Resp: 376337

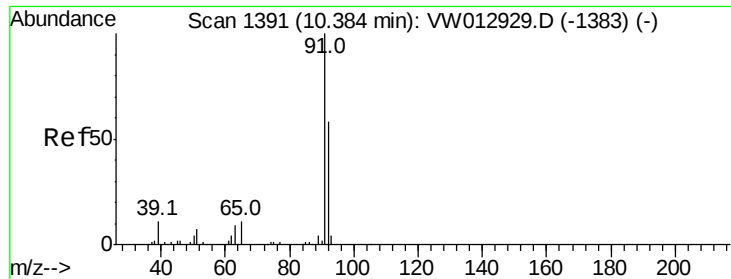
Ion Ratio Lower Upper

43 100

58 37.5 29.5 44.3

100 14.5 11.5 17.3





#44

Toluene

Concen: 46.255 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

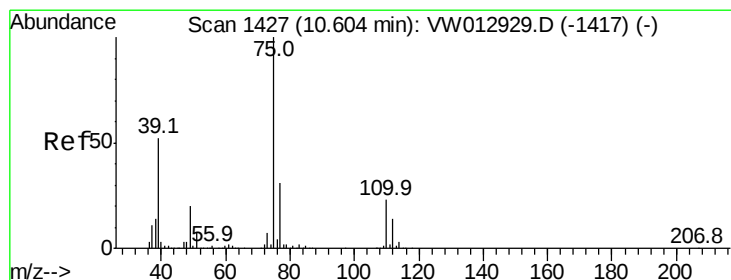
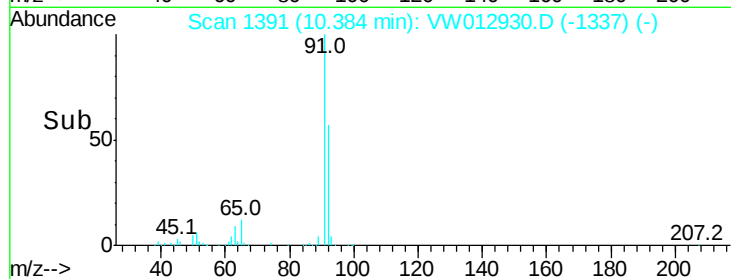
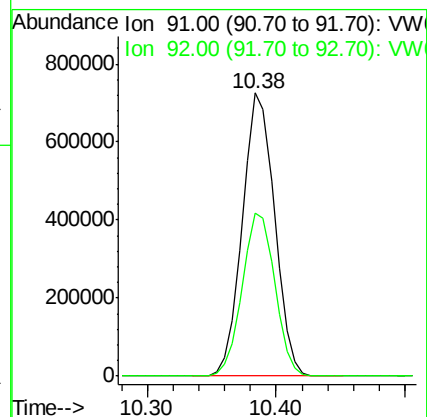
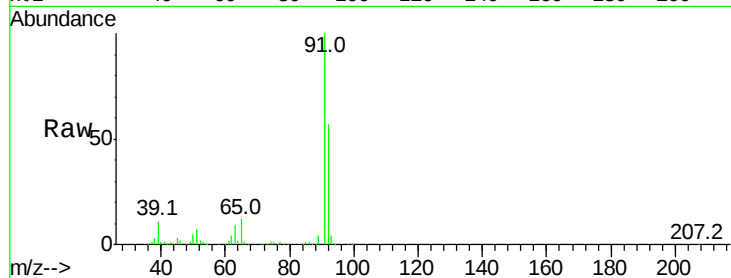
VSTD05004

Tgt Ion: 91 Resp: 1253752

Ion Ratio Lower Upper

91 100

92 57.4 40.7 75.5



#45

trans-1,3-Dichloropropene

Concen: 43.177 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012930.D

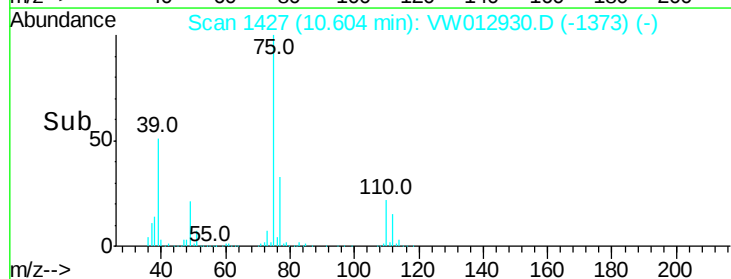
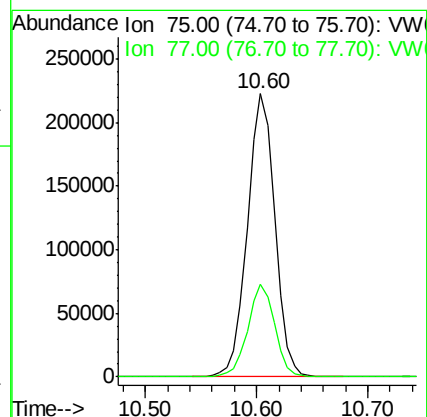
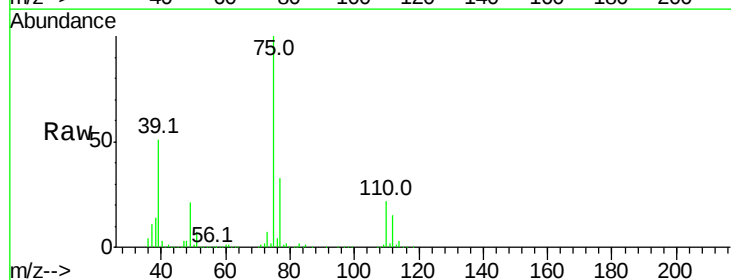
Acq: 12 Sep 2019 12:15

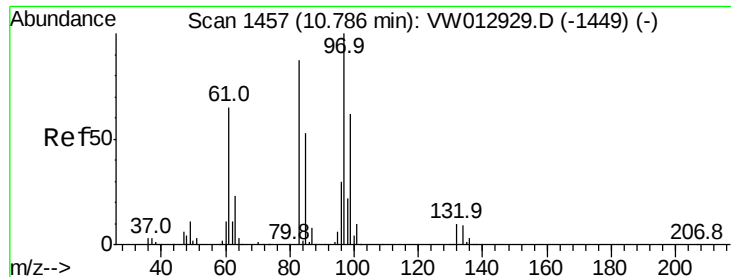
Tgt Ion: 75 Resp: 382659

Ion Ratio Lower Upper

75 100

77 32.7 21.8 40.4





#46

1,1,2-Trichloroethane

Concen: 40.224 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

Tgt Ion: 97 Resp: 195301

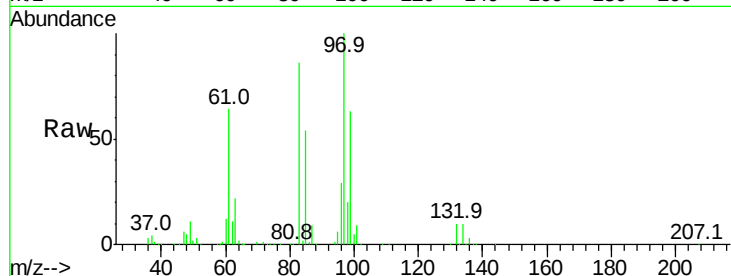
Ion Ratio Lower Upper

97 100

83 85.5 60.6 112.6

85 53.6 37.5 69.6

99 62.7 43.2 80.2

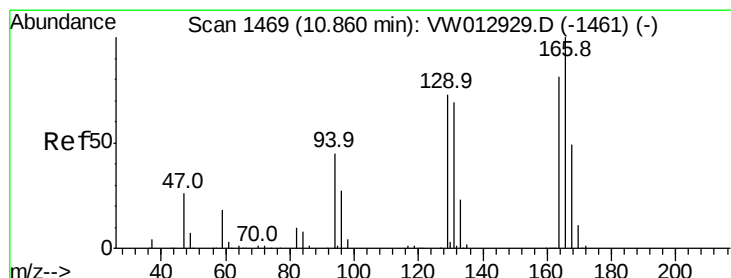
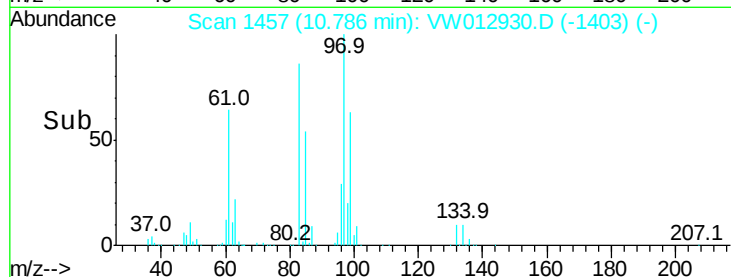
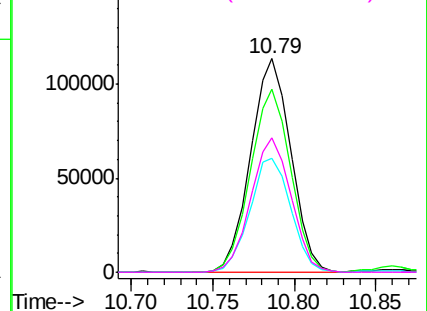


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 49.956 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

Tgt Ion: 164 Resp: 258440

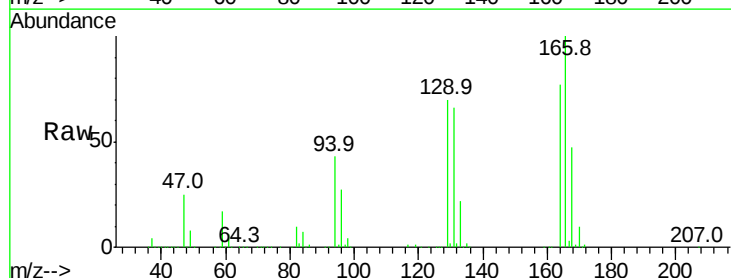
Ion Ratio Lower Upper

164 100

129 91.4 62.6 116.3

131 85.2 60.0 111.4

166 130.0 86.5 160.6

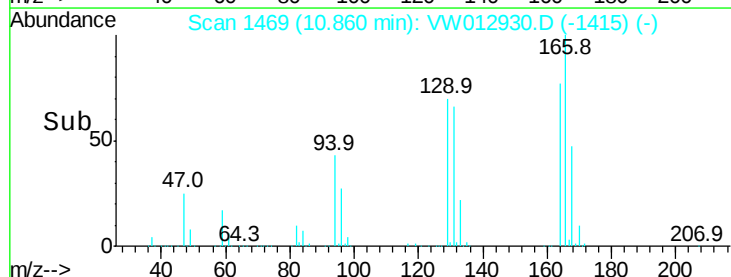
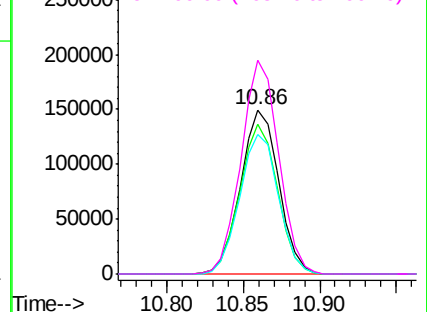


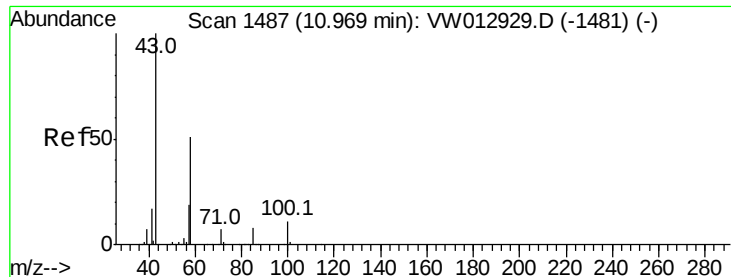
Abundance Ion 164.00 (163.70 to 164.70): V

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

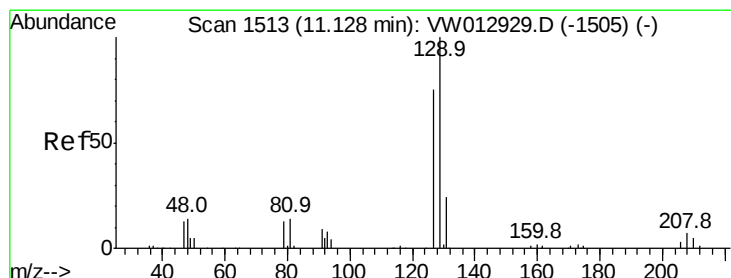
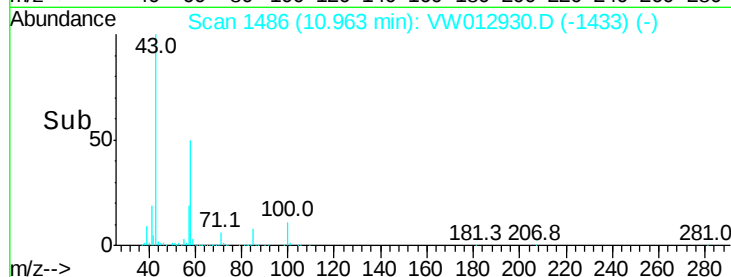
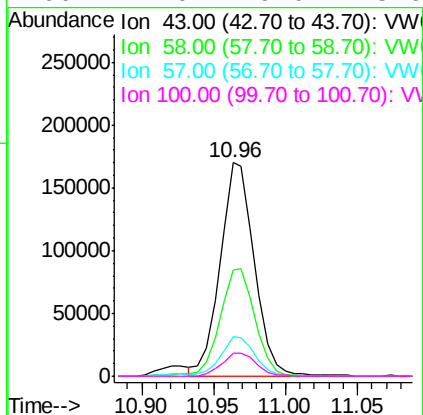
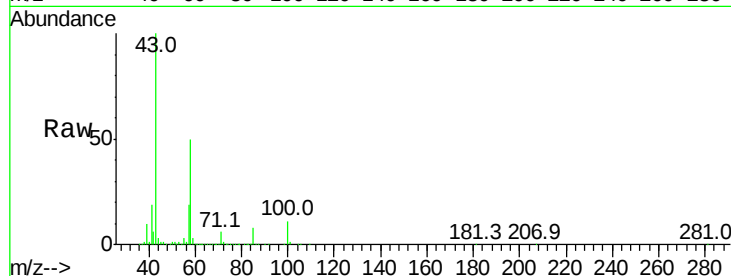




#49
2-Hexanone
Concen: 56.857 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW012930.D
Acq: 12 Sep 2019 12:15

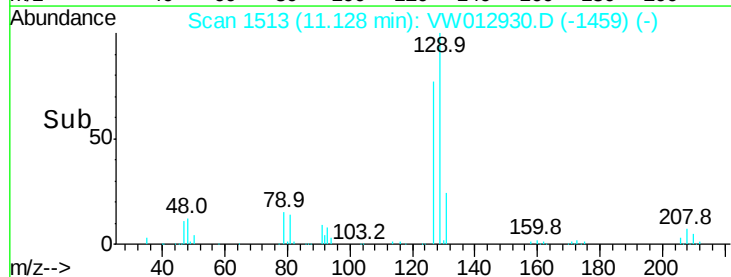
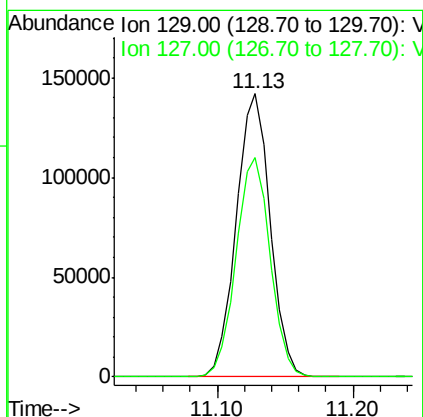
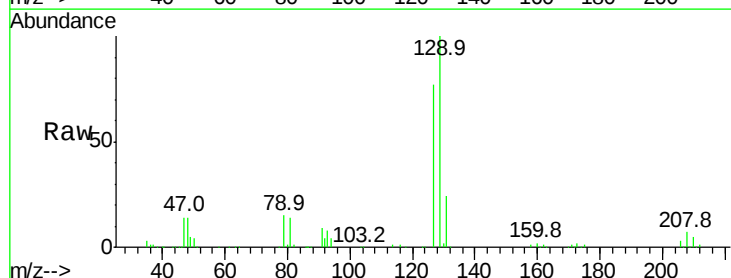
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

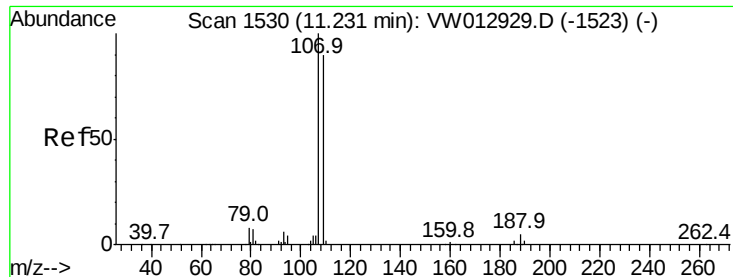
Tgt Ion: 43 Resp: 282644
Ion Ratio Lower Upper
43 100
58 51.9 42.4 63.6
57 18.7 15.0 22.6
100 11.0 9.0 13.6



#50
Dibromochloromethane
Concen: 46.189 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012930.D
Acq: 12 Sep 2019 12:15

Tgt Ion: 129 Resp: 247186
Ion Ratio Lower Upper
129 100
127 77.4 52.7 97.9

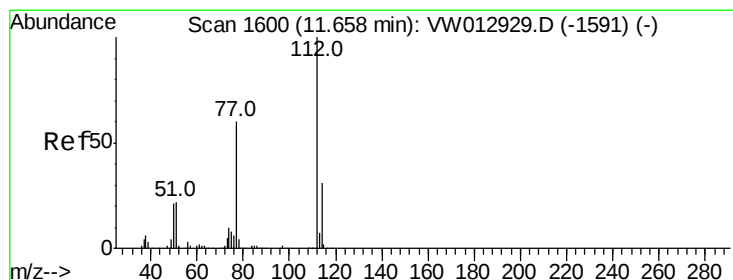
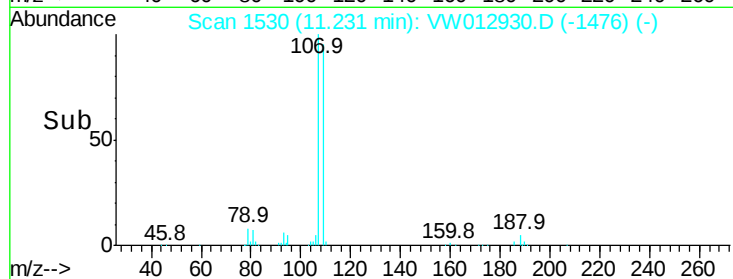
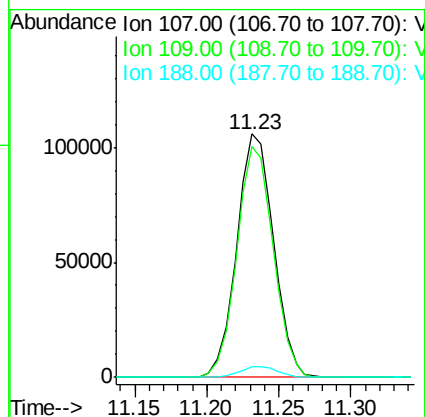
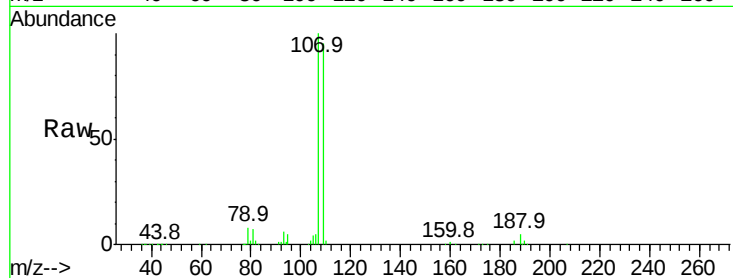




#51
 1,2-Dibromoethane
 Concen: 39.796 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW012930.D
 Acq: 12 Sep 2019 12:15

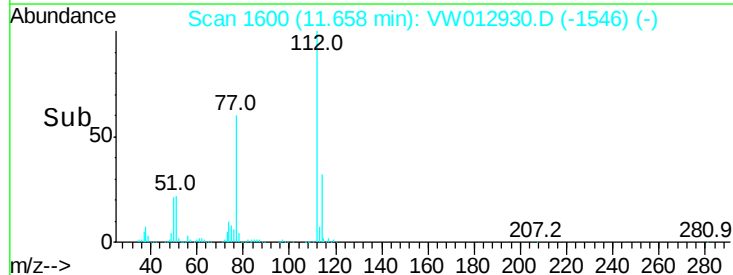
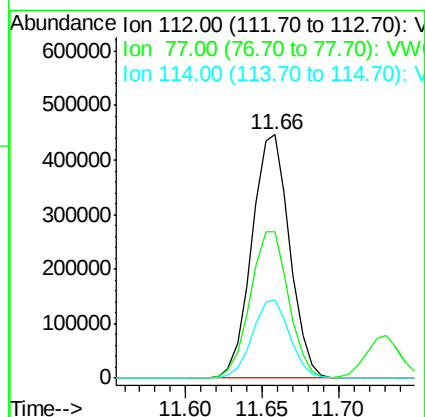
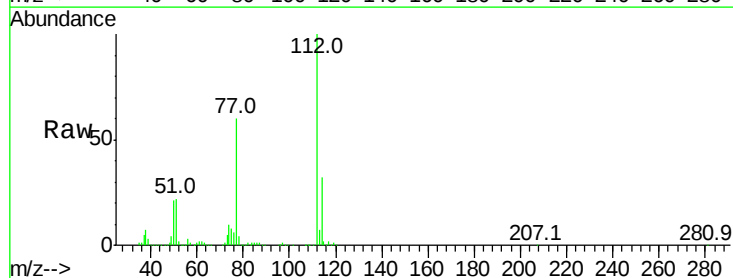
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

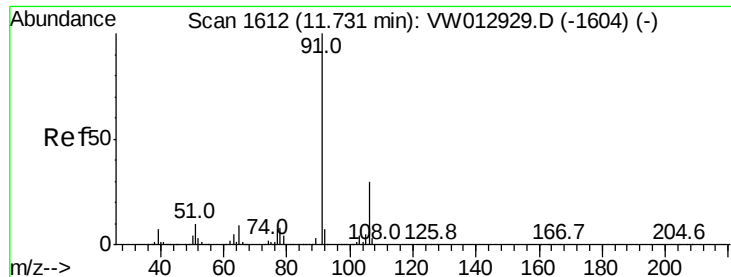
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.6	62.6	116.3
188	4.6	4.2	6.2



#52
 Chlorobenzene
 Concen: 46.901 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW012930.D
 Acq: 12 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.0	47.7	71.5
114	32.1	21.6	40.0





#53

Ethylbenzene

Concen: 47.074 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

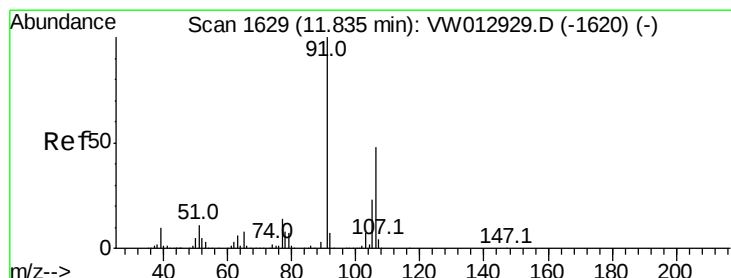
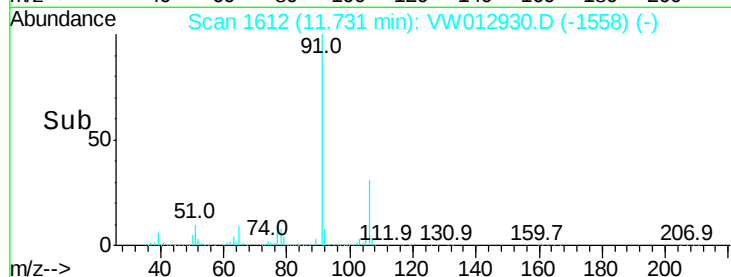
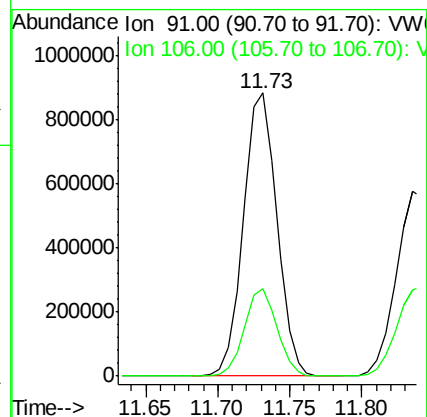
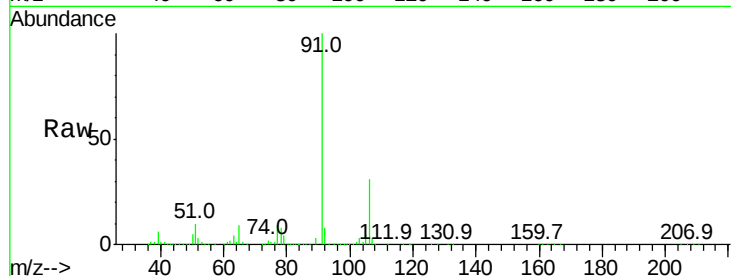
VSTD05004

Tgt Ion: 91 Resp: 1422927

Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.5



#54

m,p-Xylene

Concen: 47.921 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW012930.D

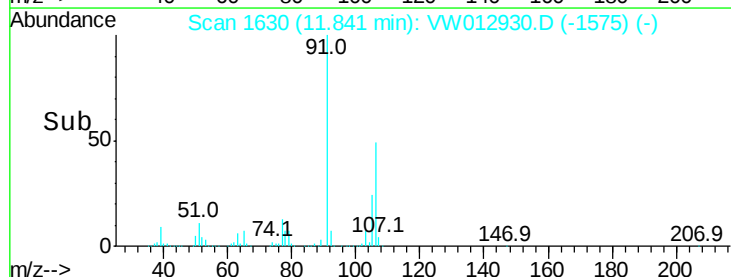
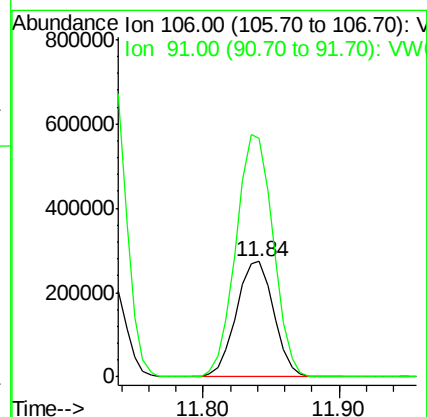
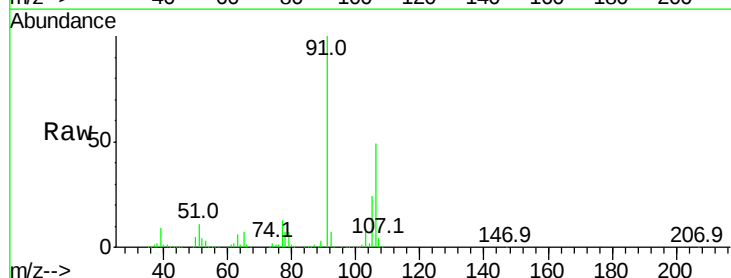
Acq: 12 Sep 2019 12:15

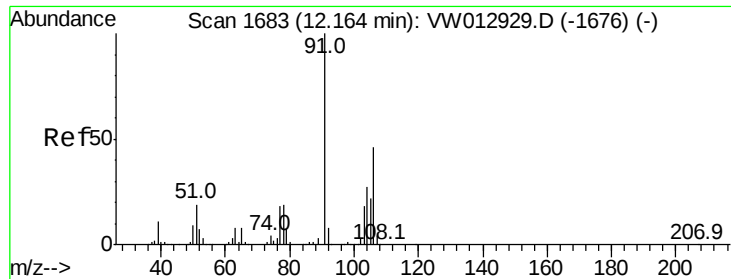
Tgt Ion: 106 Resp: 526718

Ion Ratio Lower Upper

106 100

91 206.1 145.0 269.4

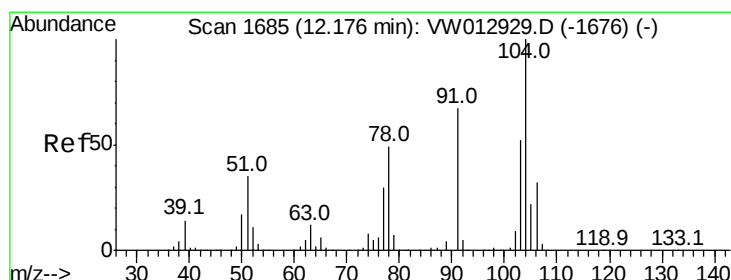
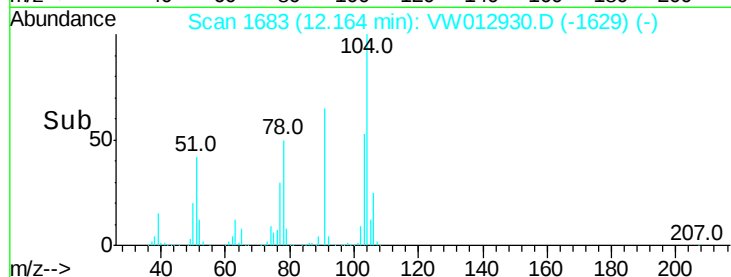
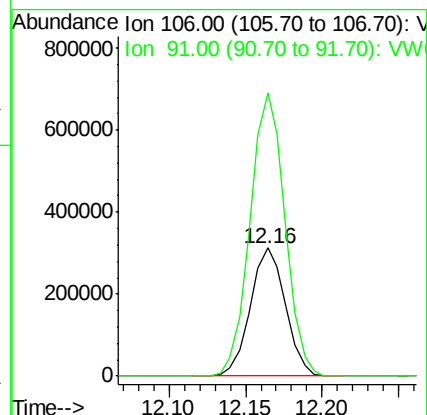
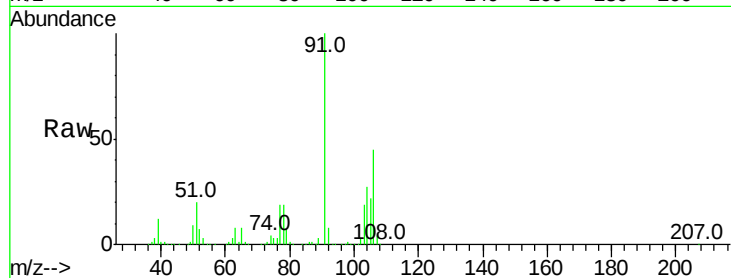




#55
o-xylene
Concen: 48.137 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012930.D
Acq: 12 Sep 2019 12:15

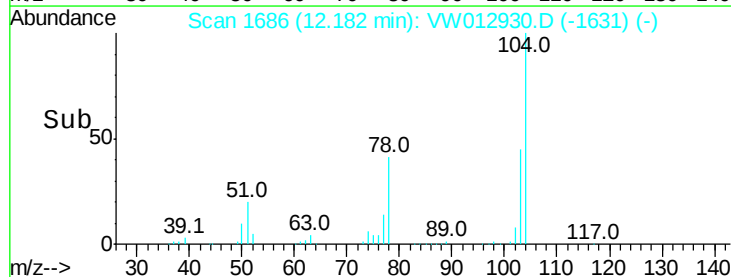
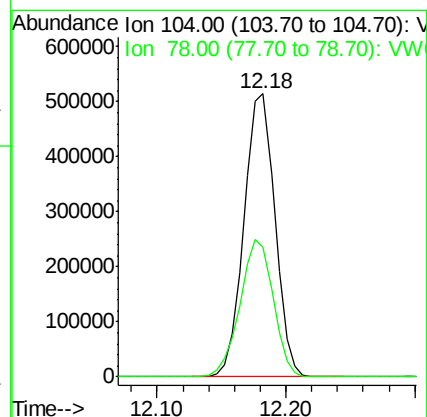
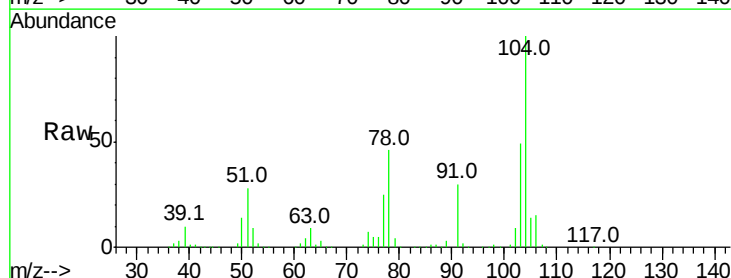
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

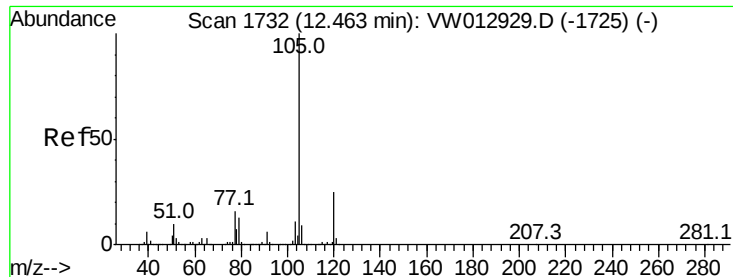
Tgt Ion:106 Resp: 497945
Ion Ratio Lower Upper
106 100
91 220.7 153.2 284.6



#56
Styrene
Concen: 48.599 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW012930.D
Acq: 12 Sep 2019 12:15

Tgt Ion:104 Resp: 854674
Ion Ratio Lower Upper
104 100
78 45.8 34.5 64.1





#57

Isopropylbenzene

Concen: 48.541 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

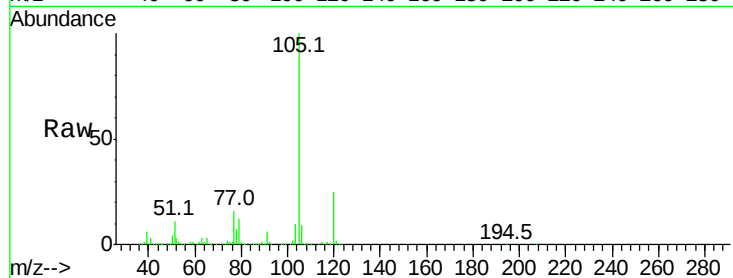
Tgt Ion:105 Resp: 1381384

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

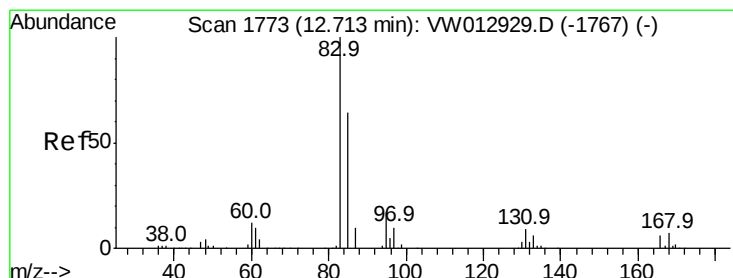
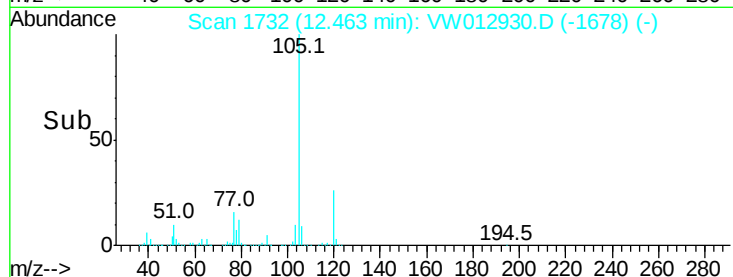
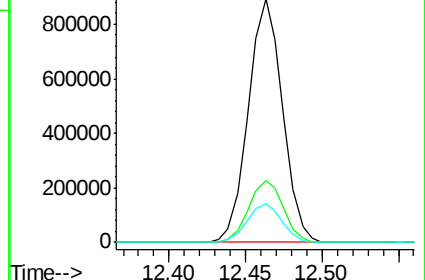
77 16.1 12.9 19.3



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: 34.327 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

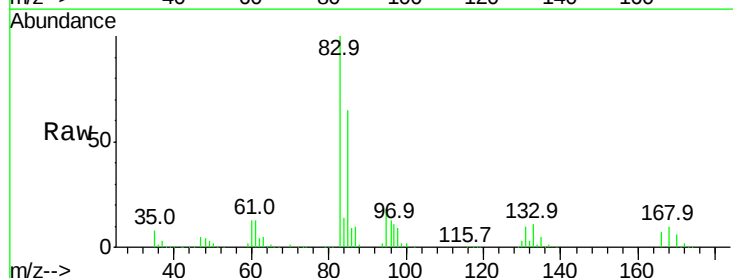
Tgt Ion: 83 Resp: 221488

Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.5

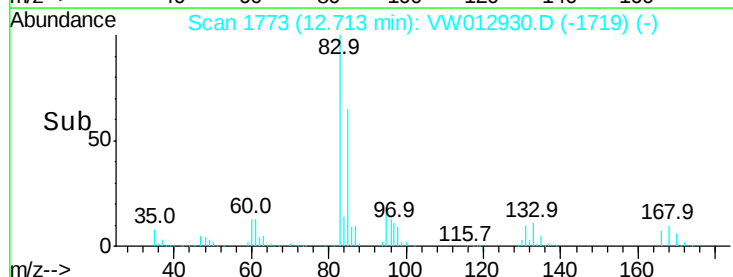
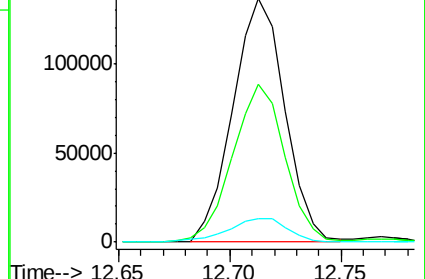
131 9.8 8.0 12.0

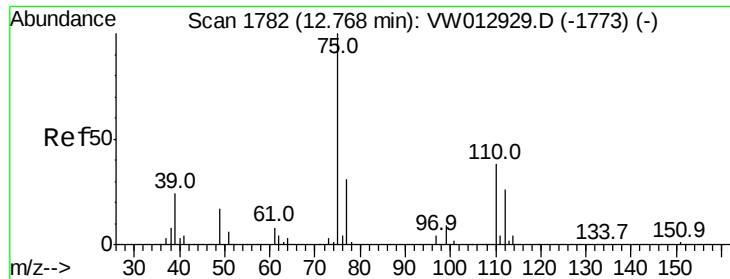


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 33.364 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

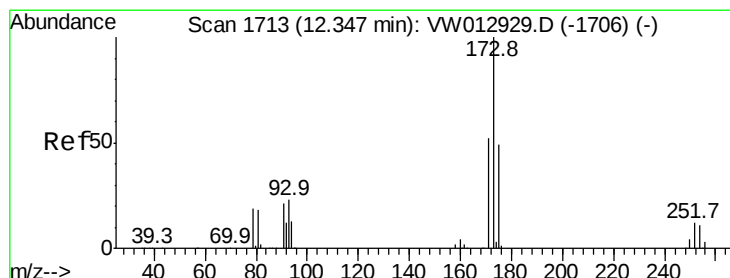
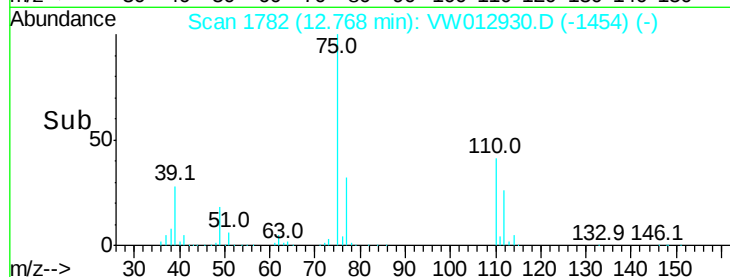
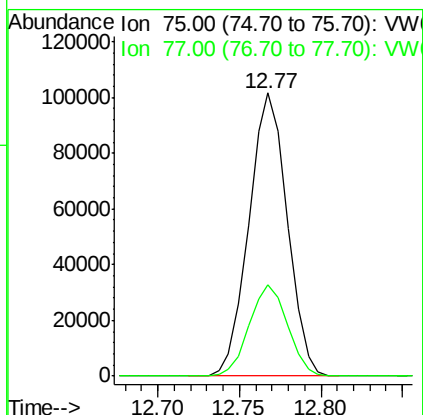
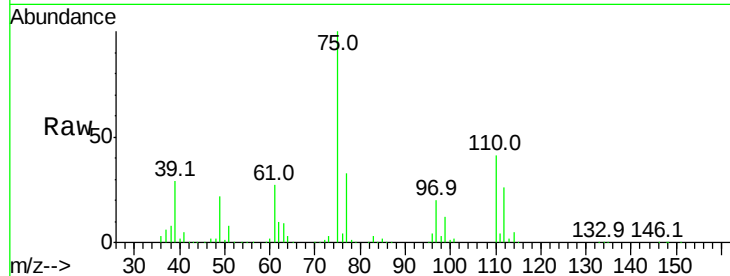
VSTD05004

Tgt Ion: 75 Resp: 166032

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2



#62

Bromoform

Concen: 41.472 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

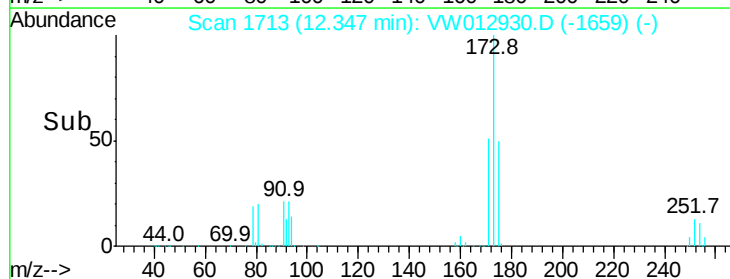
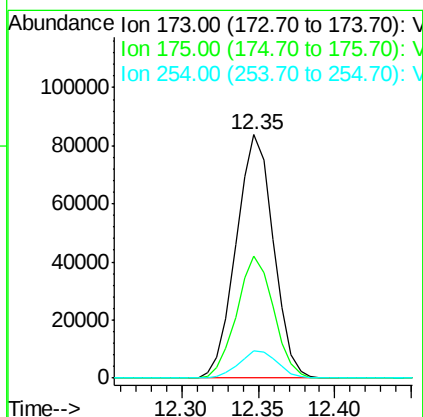
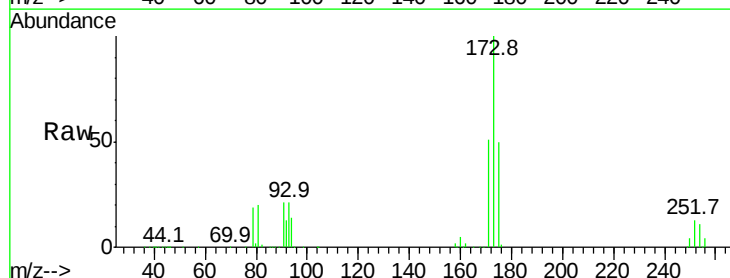
Tgt Ion: 173 Resp: 141860

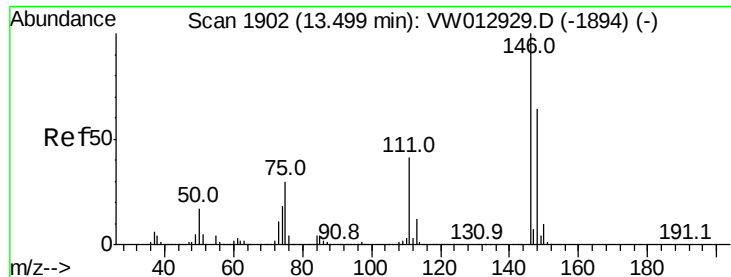
Ion Ratio Lower Upper

173 100

175 49.6 39.7 59.5

254 11.7 9.8 14.6

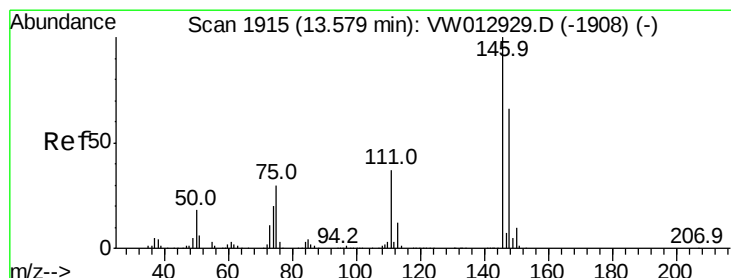
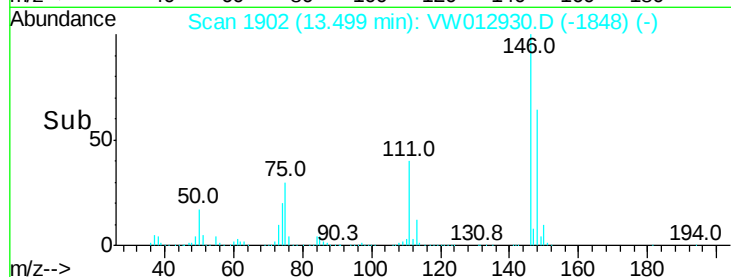
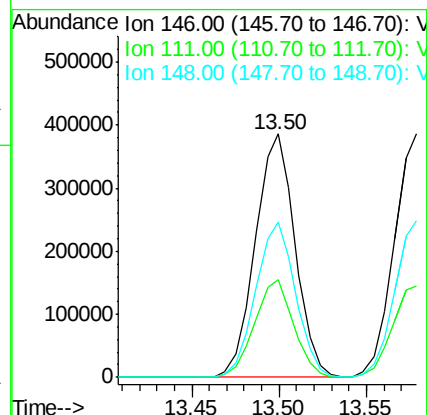
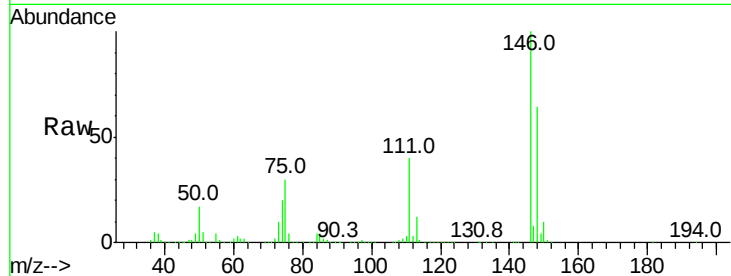




#63
 1,3-Dichlorobenzene
 Concen: 47.210 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012930.D
 Acq: 12 Sep 2019 12:15

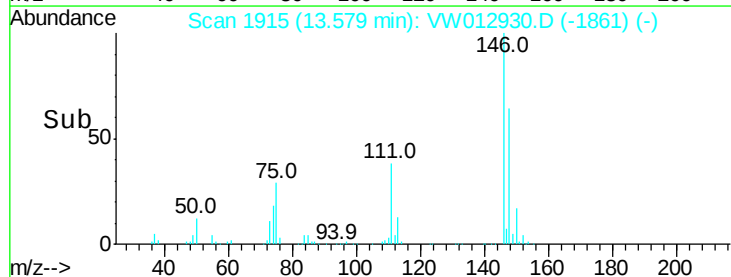
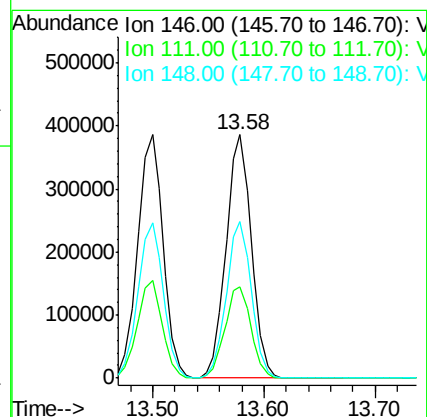
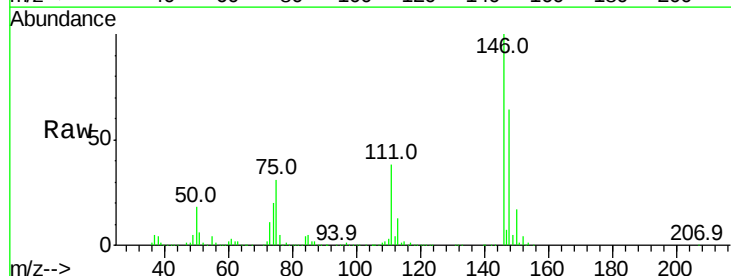
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

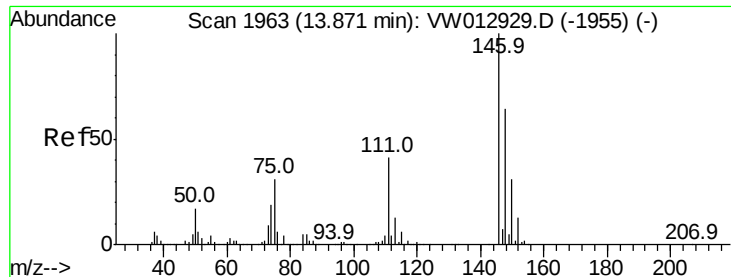
Tgt Ion:146 Resp: 612632
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.4 52.8
 148 64.0 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 46.515 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012930.D
 Acq: 12 Sep 2019 12:15

Tgt Ion:146 Resp: 606163
 Ion Ratio Lower Upper
 146 100
 111 37.5 26.1 48.5
 148 64.2 45.8 85.0

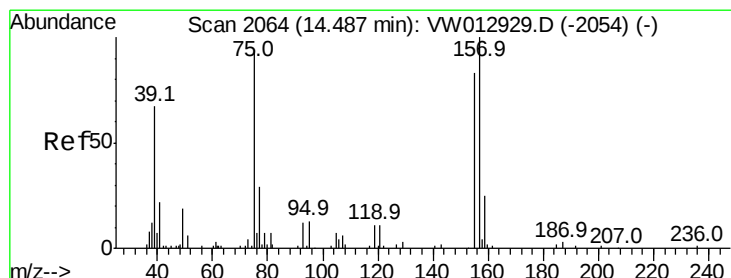
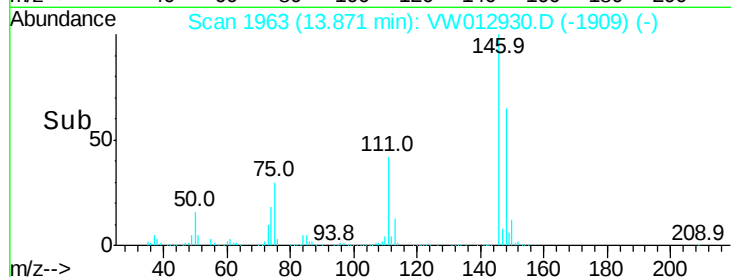
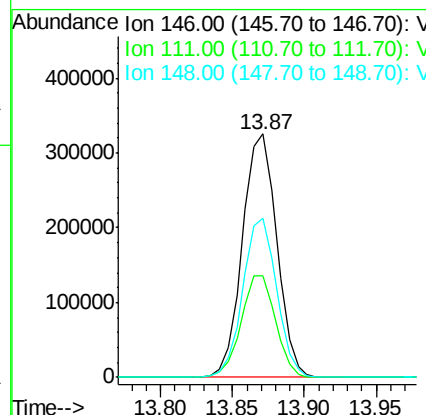
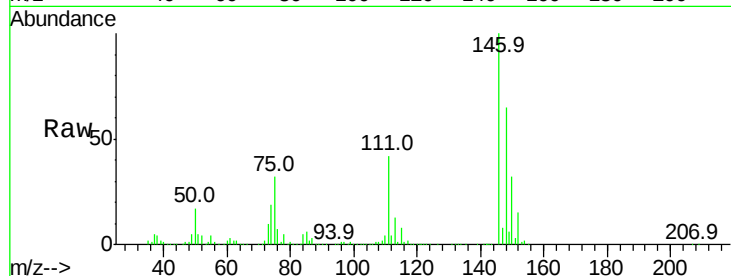




#65
 1,2-Dichlorobenzene
 Concen: 45.860 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012930.D
 Acq: 12 Sep 2019 12:15

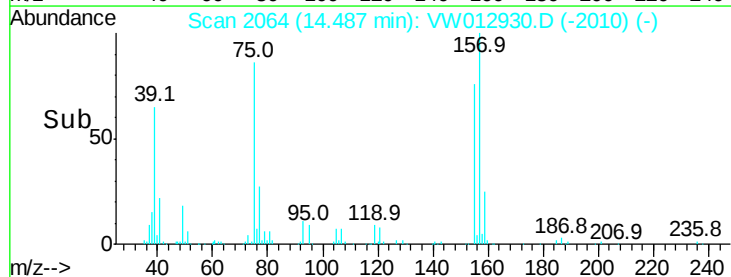
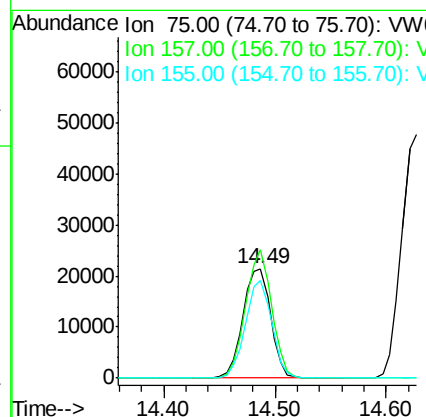
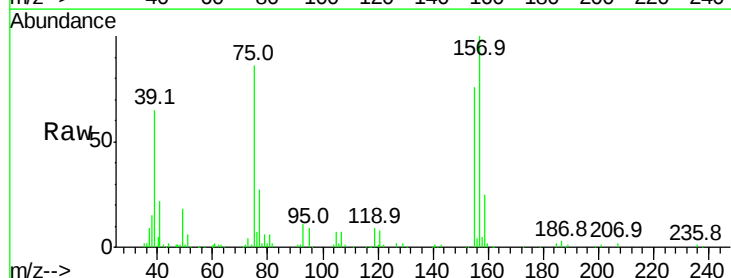
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05004

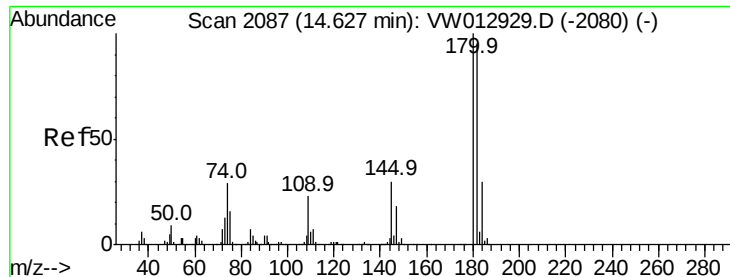
Tgt Ion: 146 Resp: 538877
 Ion Ratio Lower Upper
 146 100
 111 41.9 33.0 49.6
 148 65.4 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 30.474 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW012930.D
 Acq: 12 Sep 2019 12:15

Tgt Ion: 75 Resp: 37062
 Ion Ratio Lower Upper
 75 100
 157 116.8 85.0 127.4
 155 89.0 70.2 105.4

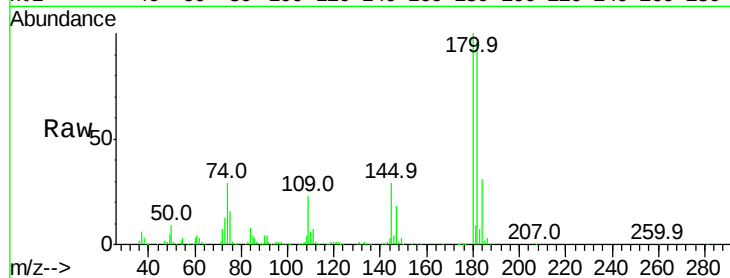




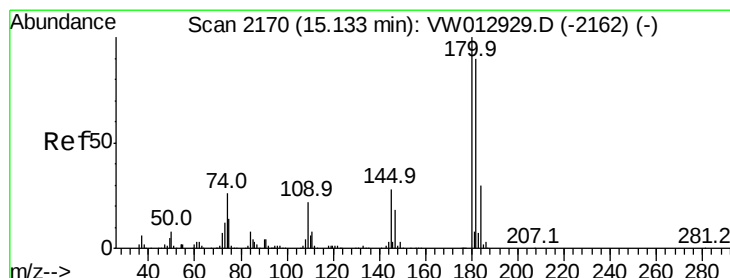
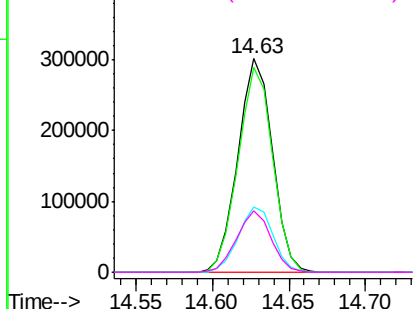
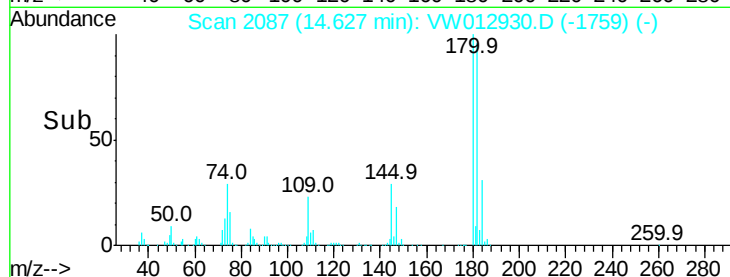
#67
 1,3,5-Trichlorobenzene
 Concen: 49.500 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW012930.D
 Acq: 12 Sep 2019 12:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

Tgt Ion:180 Resp: 472789
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.8 113.8
 184 30.5 23.8 35.8
 145 28.4 23.1 34.7

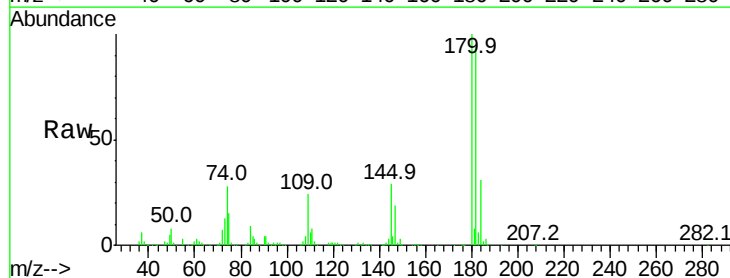


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

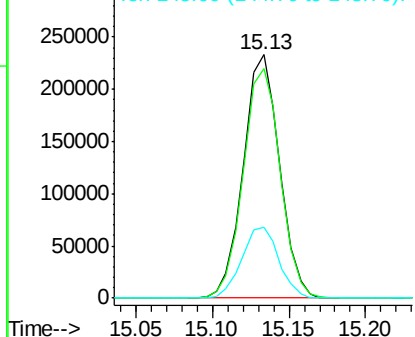
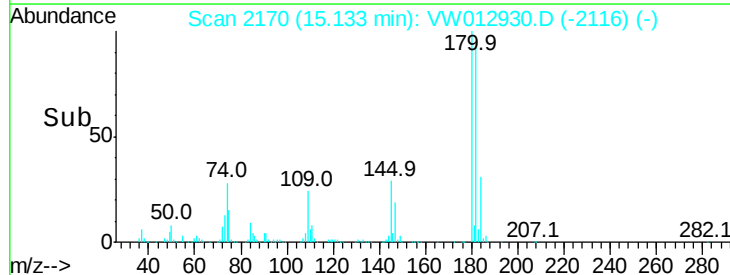


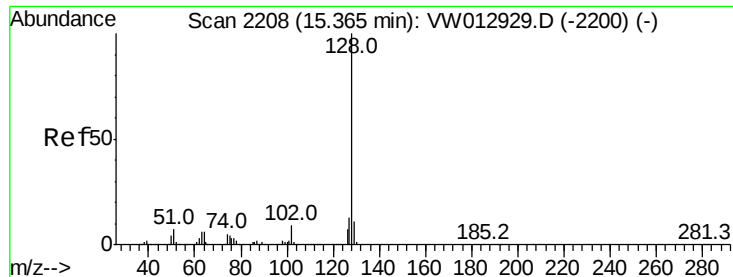
#68
 1,2,4-trichlorobenzene
 Concen: 49.937 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012930.D
 Acq: 12 Sep 2019 12:15

Tgt Ion:180 Resp: 384126
 Ion Ratio Lower Upper
 180 100
 182 96.3 73.8 110.8
 145 29.7 22.9 34.3



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





#69

Naphthalene

Concen: 41.876 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

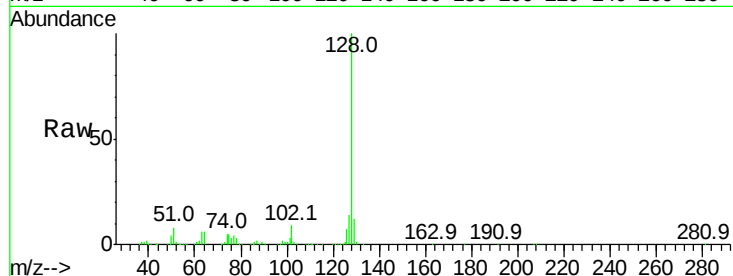
Tgt Ion:128 Resp: 648674

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

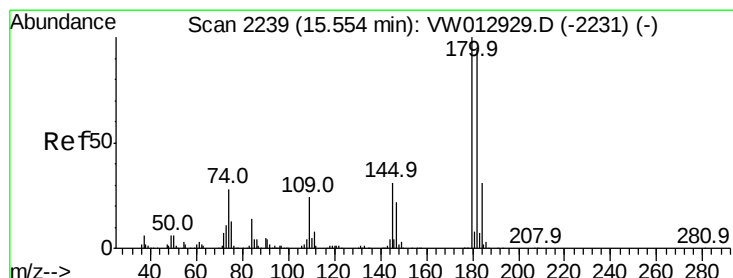
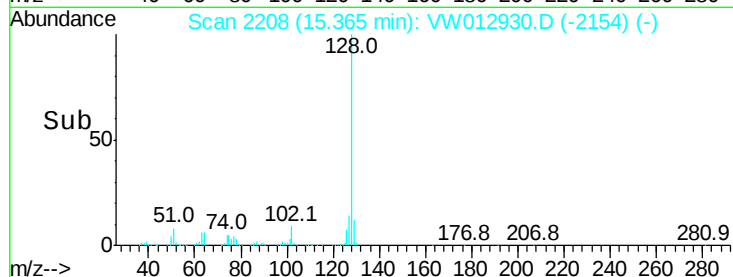
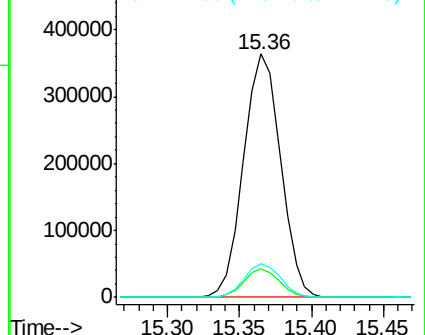
127 13.6 10.4 15.6



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: 46.731 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW012930.D

Acq: 12 Sep 2019 12:15

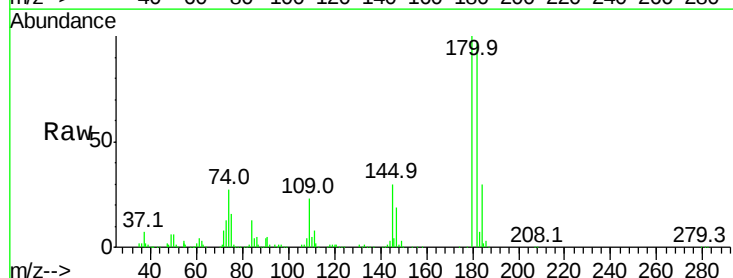
Tgt Ion:180 Resp: 332917

Ion Ratio Lower Upper

180 100

182 95.3 75.4 113.2

145 30.6 24.4 36.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

