

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040820\
 Data File : VW015164.D
 Acq On : 08 Apr 2020 09:13
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB20

Quant Time: Apr 09 01:06:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 08 13:50:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	596092	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	557317	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	248627	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	226574	22.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.04%
7) Chloroethane-d5	2.89	69	220483	25.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.88%
10) 1,1-Dichloroethene-d2	4.02	63	463876	22.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.68%
20) 2-Butanone-d5	7.07	46	132268	56.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.90%
24) Chloroform-d	7.65	84	419417	23.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	8.31	65	255407	24.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.04%
29) Benzene-d6	8.27	84	807463	22.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.56%
33) 1,2-Dichloropropane-d6	9.27	67	271793	22.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.76%
37) Toluene-d8	10.32	98	702444	23.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.40%
38) trans-1,3-Dichloropropene-	10.57	79	105875	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.40%
39) 2-Hexanone-d5	10.92	63	98502	56.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.56%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	209981	25.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	195884	22.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	109097	23.524	ug/L 99
3) Chloromethane	2.21	50	196991	22.971	ug/L 100
5) Vinyl chloride	2.36	62	306381	25.642	ug/L 100
6) Bromomethane	2.78	94	182204	27.626	ug/L 99
8) Chloroethane	2.92	64	199721	27.457	ug/L 97
9) Trichlorofluoromethane	3.26	101	162462	24.293	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	231585	24.891	ug/L 98
12) 1,1-Dichloroethene	4.04	96	216270	24.495	ug/L 97
13) Acetone	4.12	43	138197	66.081	ug/L 100
14) Carbon disulfide	4.38	76	767173	23.359	ug/L 100
15) Methyl Acetate	4.67	43	138889	28.114	ug/L 98
16) Methylene chloride	4.92	84	243069	23.857	ug/L 99
17) Methyl tert-butyl Ether	5.43	73	296149	25.832	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	223210	24.323	ug/L 98
19) 1,1-Dichloroethane	6.21	63	490784	24.957	ug/L 97
21) 2-Butanone	7.17	43	186171	62.852	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	234147	25.693	ug/L 96

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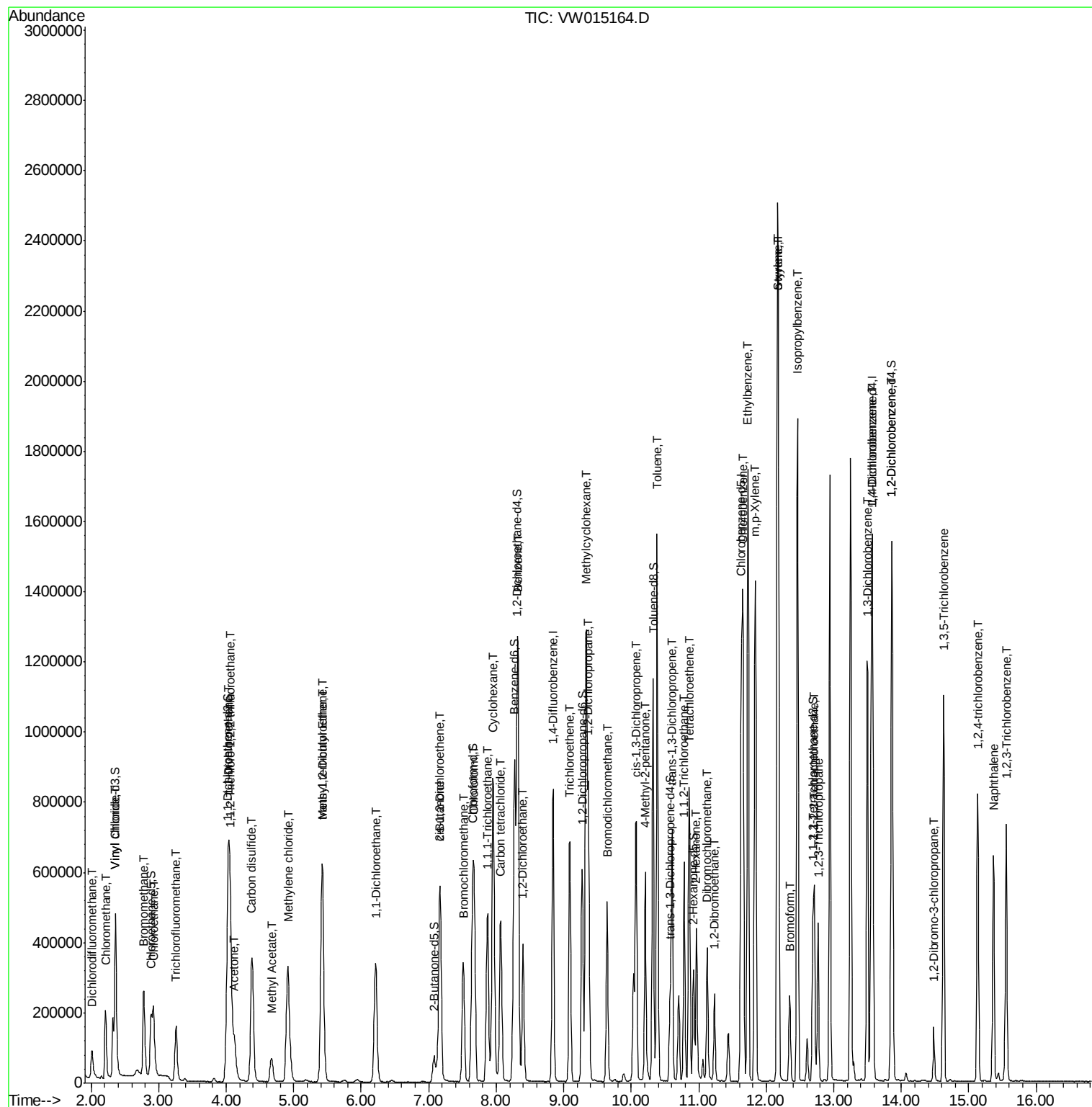
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	97328	26.013	ug/L	98
25) Chloroform	7.67	83	454456	25.582	ug/L	100
27) 1,2-Dichloroethane	8.40	62	344581	27.008	ug/L	99
30) Cyclohexane	7.96	56	465720	25.611	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	357850	24.441	ug/L	99
32) Carbon tetrachloride	8.07	117	315538	24.841	ug/L	99
34) Benzene	8.32	78	1034977	25.103	ug/L	100
35) Trichloroethene	9.09	95	242673	24.179	ug/L	99
36) Methylcyclohexane	9.34	83	451035	26.158	ug/L	100
40) 1,2-Dichloropropane	9.37	63	281437	24.752	ug/L	99
41) Bromodichloromethane	9.64	83	326484	25.237	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	391799	26.226	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	398274	61.912	ug/L	98
44) Toluene	10.38	91	1041921	25.557	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	348923	26.710	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	173400	25.943	ug/L	97
47) Tetrachloroethene	10.86	164	157489	24.314	ug/L	98
49) 2-Hexanone	10.96	43	289503	67.478	ug/L	98
50) Dibromochloromethane	11.13	129	181490	26.412	ug/L	99
51) 1,2-Dibromoethane	11.23	107	154896	26.168	ug/L	99
52) Chlorobenzene	11.65	112	591229	24.810	ug/L	96
53) Ethylbenzene	11.73	91	1151939	26.159	ug/L	99
54) m,p-Xylene	11.84	106	410867	26.614	ug/L	99
55) o-xylene	12.16	106	384457	26.564	ug/L	99
56) Styrene	12.18	104	673693	27.351	ug/L	95
57) Isopropylbenzene	12.46	105	1079580	27.074	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	231063	27.621	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	177256	28.328	ug/L	99
62) Bromoform	12.35	173	94261	26.079	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	413735	25.391	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	412095	24.718	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	373012	25.154	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.48	75	38748	27.431	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	275839	26.295	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	218176	27.594	ug/L	98
69) Naphthalene	15.36	128	476571	31.000	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	204012	27.766	ug/L	99

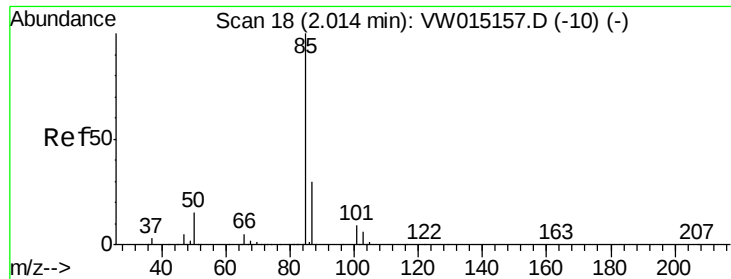
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.524 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

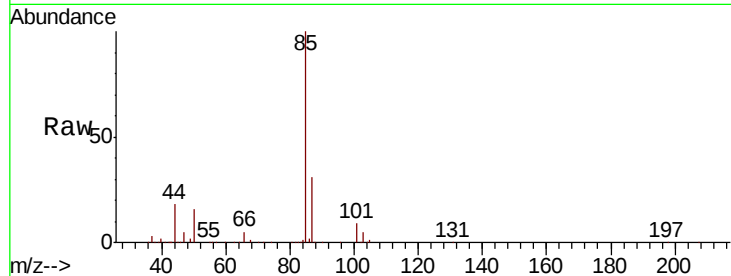
BFB20

Tot Ion: 85 Resp: 109097

Ion Ratio Lower Upper

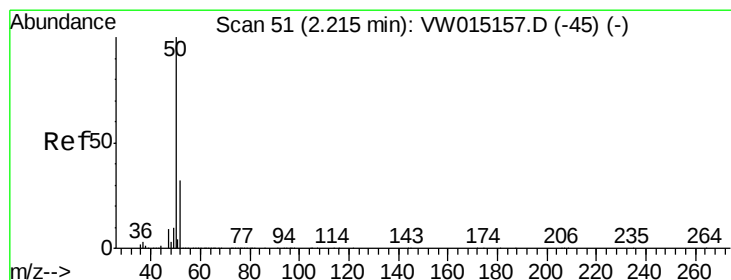
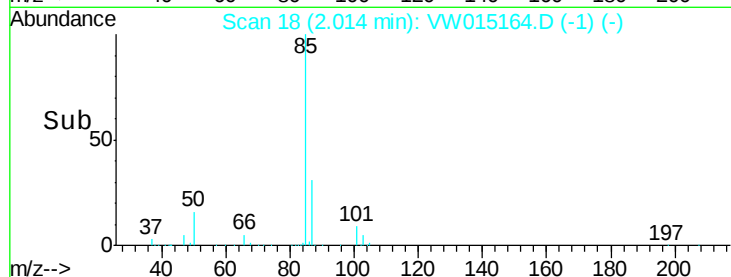
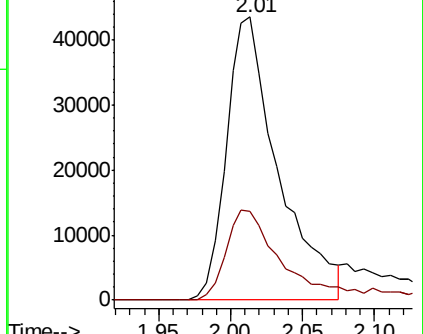
85 100

87 34.1 23.4 43.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.971 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015164.D

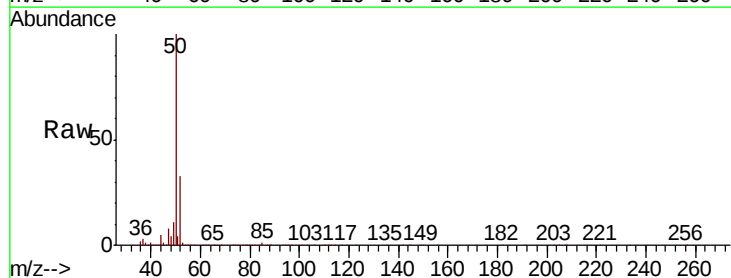
Acq: 08 Apr 2020 09:13

Tgt Ion: 50 Resp: 196991

Ion Ratio Lower Upper

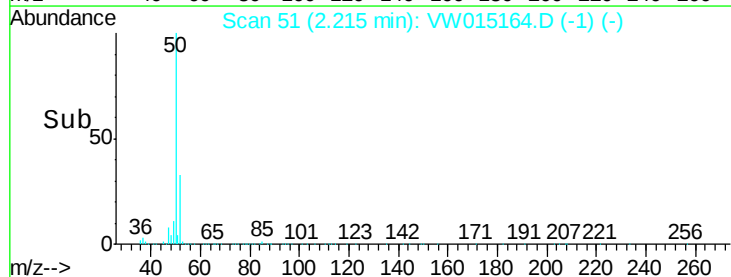
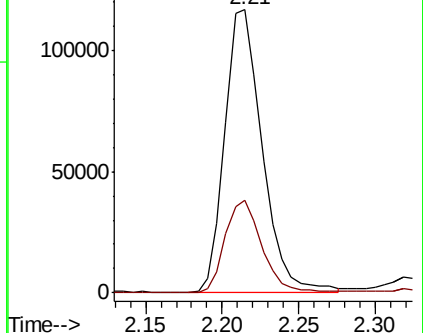
50 100

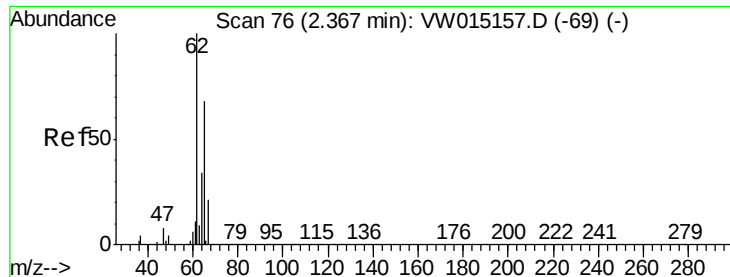
52 32.7 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.642 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

Instrument :

MSVOA_W

ClientSampled :

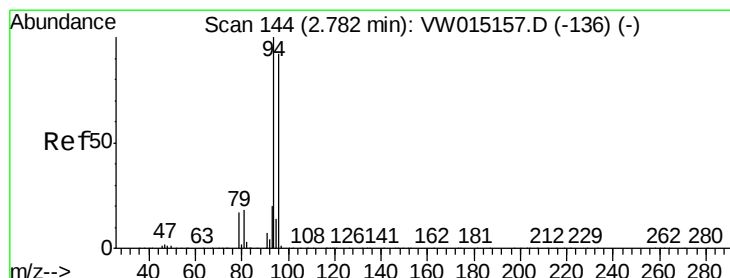
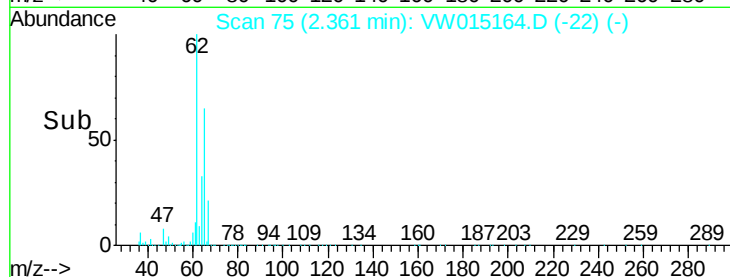
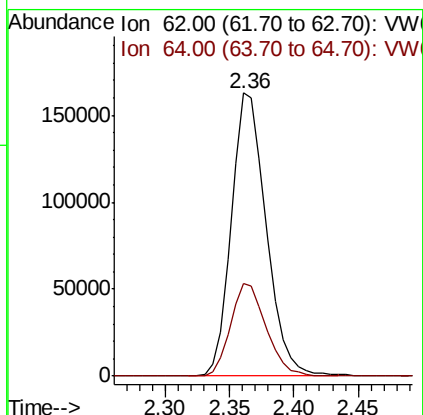
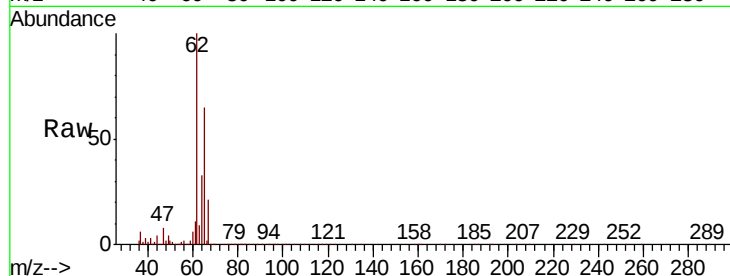
BFB20

Tot Ion: 62 Resp: 306381

Ion Ratio Lower Upper

62 100

64 32.6 22.7 42.3



#6

Bromomethane

Concen: 27.626 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015164.D

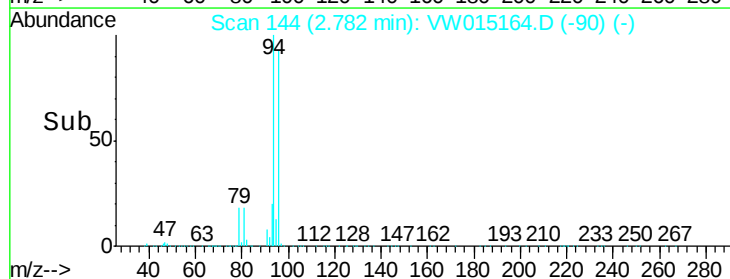
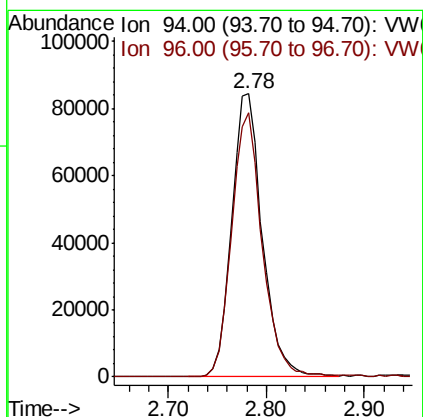
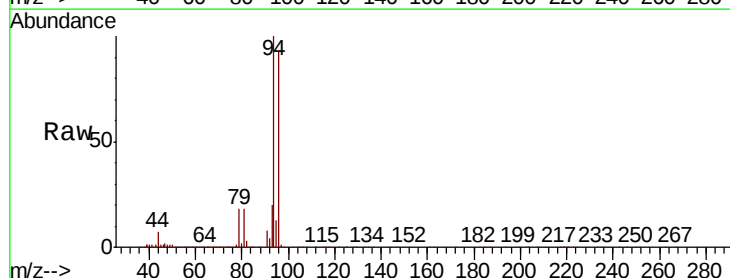
Acq: 08 Apr 2020 09:13

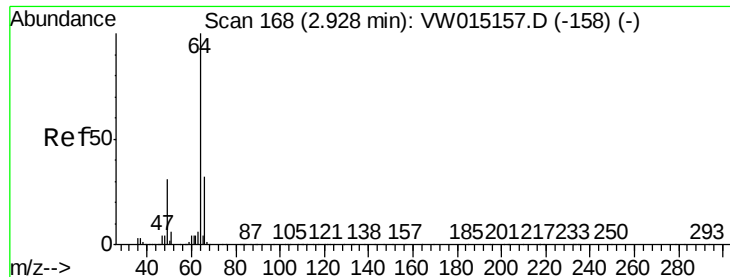
Tgt Ion: 94 Resp: 182204

Ion Ratio Lower Upper

94 100

96 92.4 9.3 177.3





#8

Chloroethane

Concen: 27.457 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

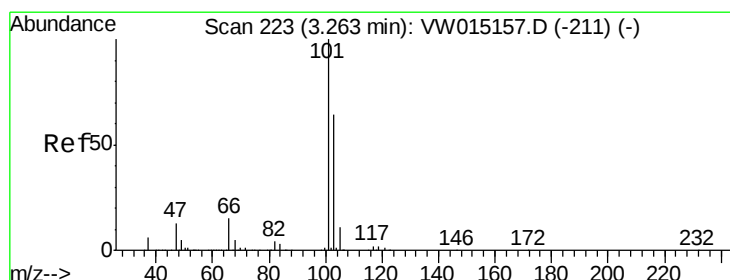
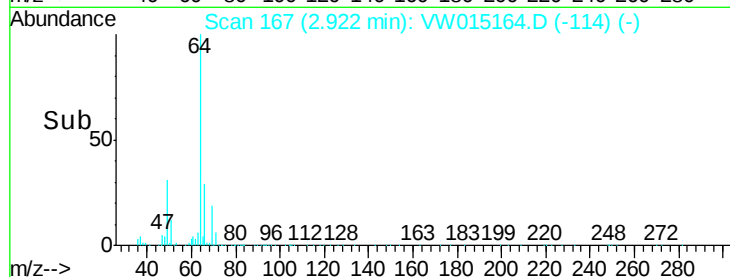
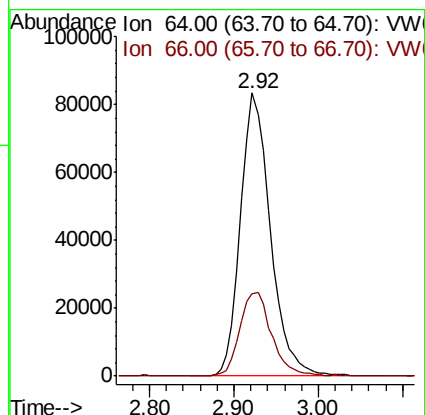
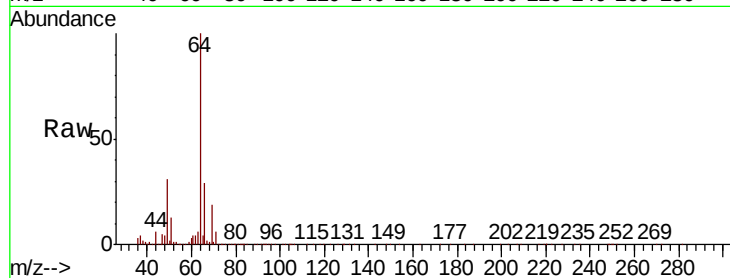
BFB20

Tot Ion: 64 Resp: 199721

Ion Ratio Lower Upper

64 100

66 29.3 21.8 40.6



#9

Trichlorofluoromethane

Concen: 24.293 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW015164.D

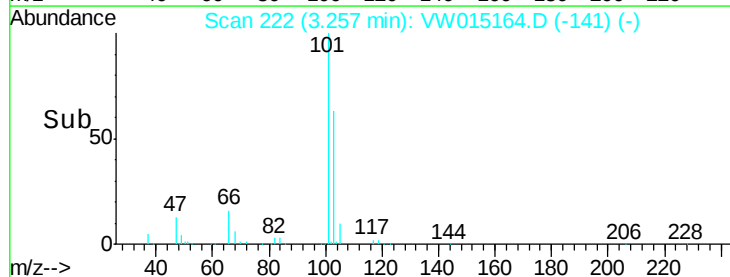
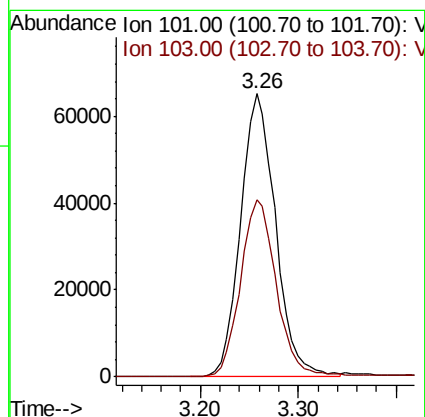
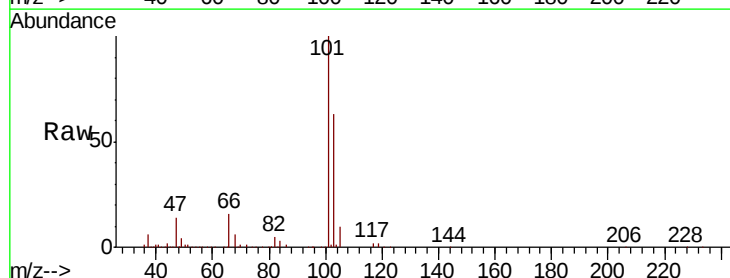
Acq: 08 Apr 2020 09:13

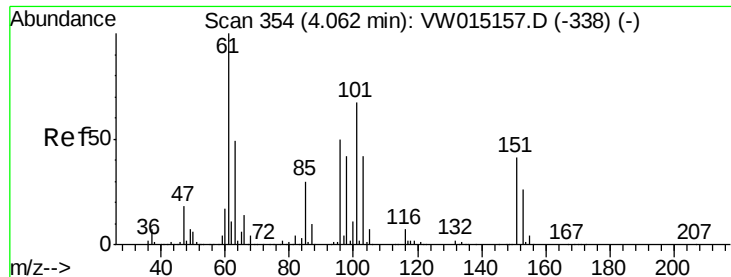
Tgt Ion:101 Resp: 162462

Ion Ratio Lower Upper

101 100

103 63.7 43.8 81.4





#11

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

Concen: 24.891 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

Instrument :

MSVOA_W

ClientSampled :

BFB20

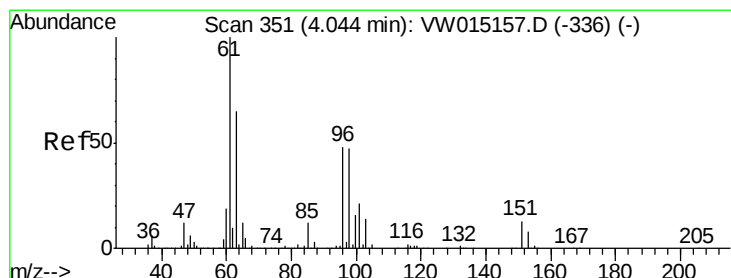
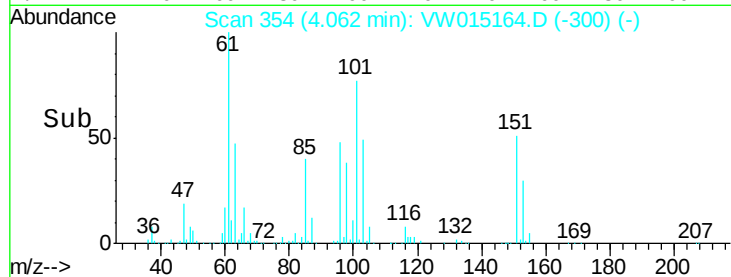
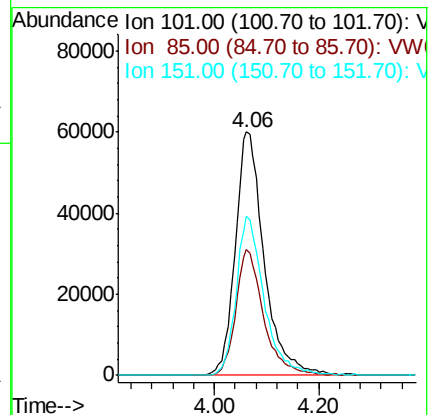
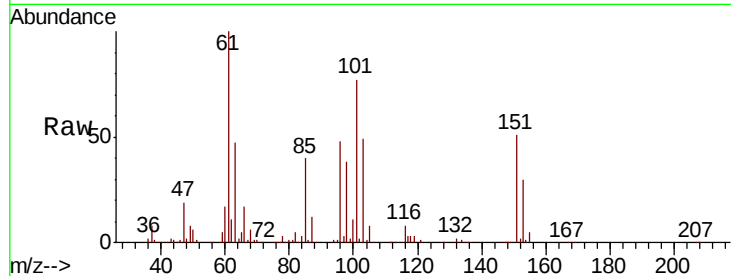
Tot Ion:101 Resp: 231585

Ion Ratio Lower Upper

101 100

85 49.0 37.8 56.6

151 62.2 50.2 75.4



#12

1,1-Dichloroethene

Concen: 24.495 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

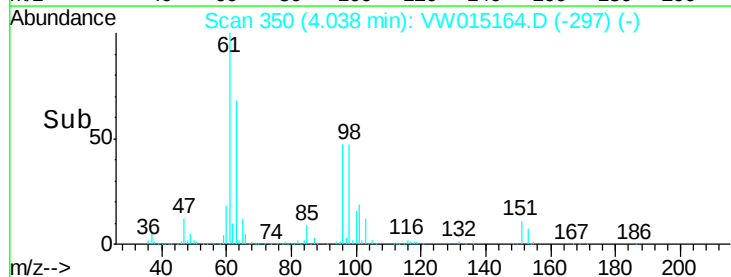
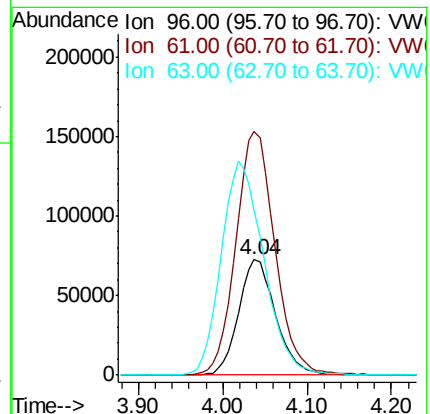
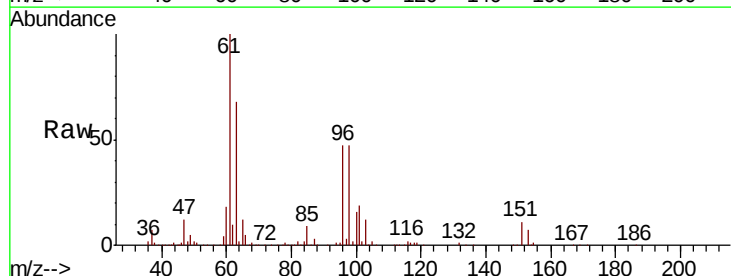
Tgt Ion: 96 Resp: 216270

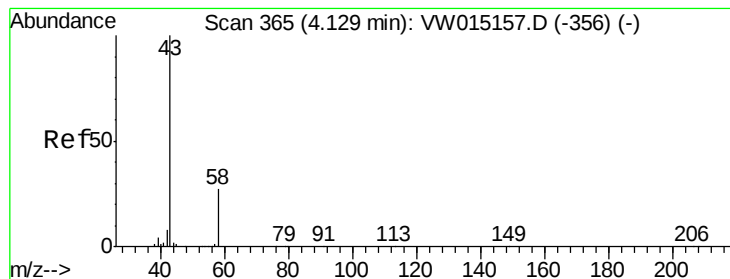
Ion Ratio Lower Upper

96 100

61 211.1 146.2 271.4

63 143.2 95.0 176.4





#13

Acetone

Concen: 66.081 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

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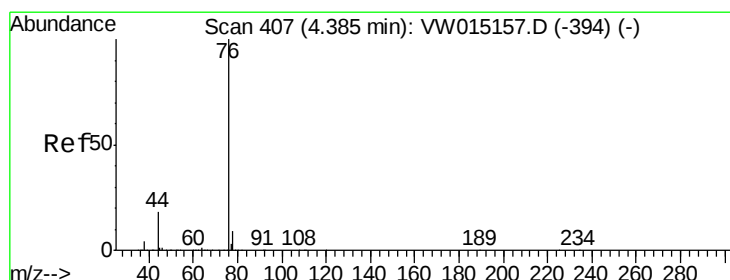
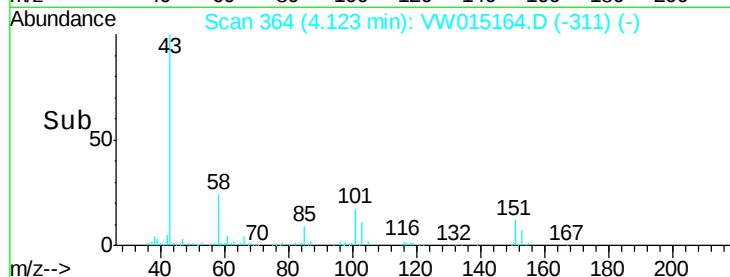
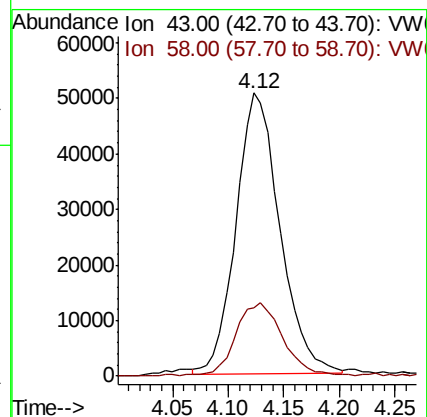
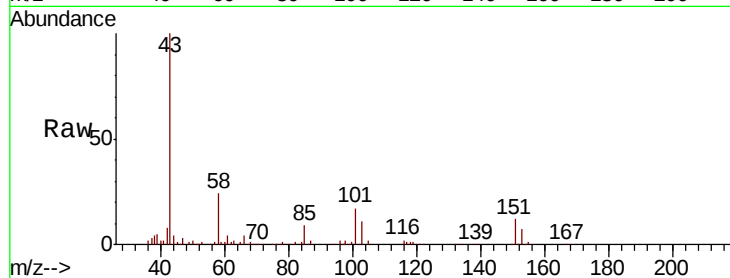
BFB20

Tot Ion: 43 Resp: 138197

Ion Ratio Lower Upper

43 100

58 27.2 0.0 54.4



#14

Carbon disulfide

Concen: 23.359 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015164.D

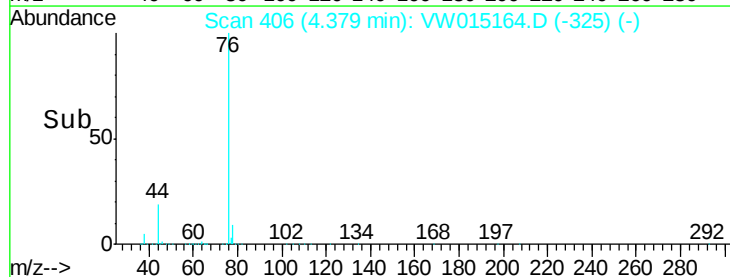
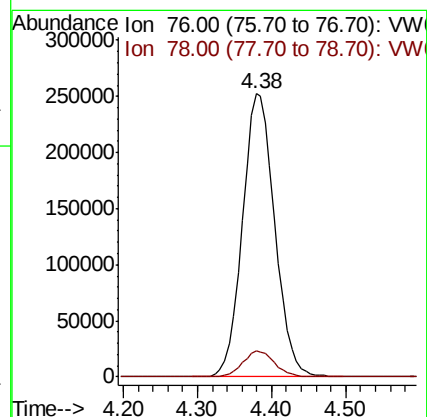
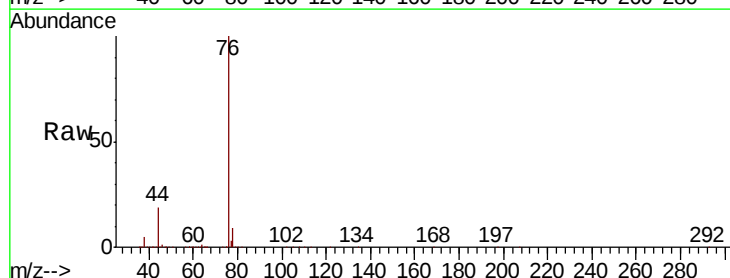
Acq: 08 Apr 2020 09:13

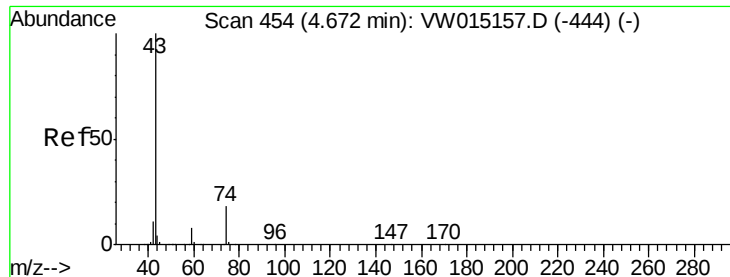
Tgt Ion: 76 Resp: 767173

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

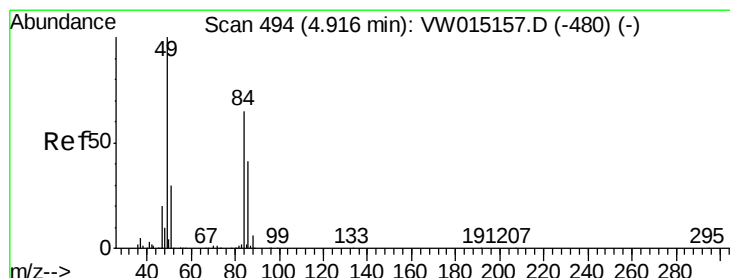
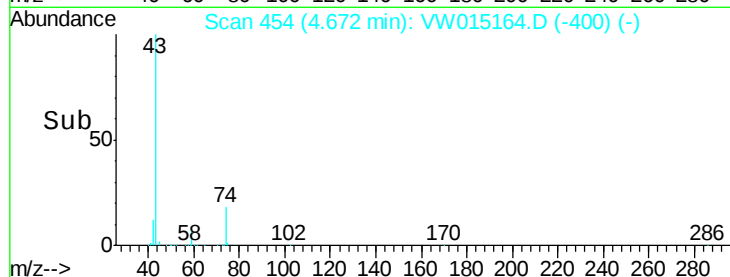
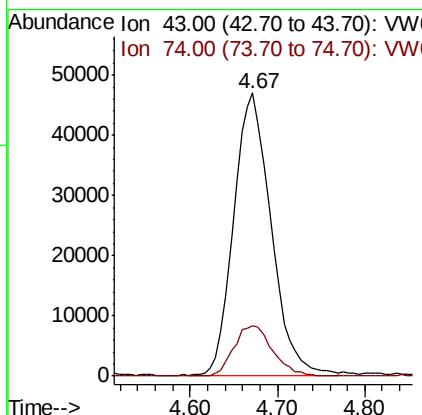
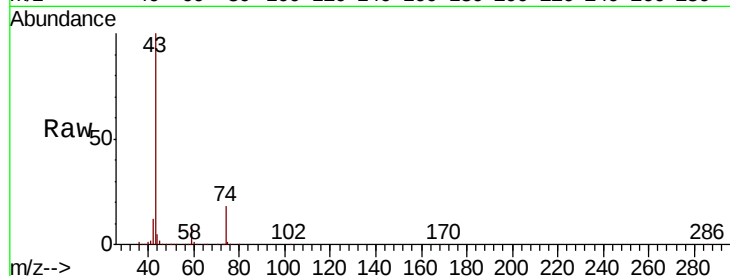




#15
Methyl Acetate
Concen: 28.114 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW015164.D
Acq: 08 Apr 2020 09:13

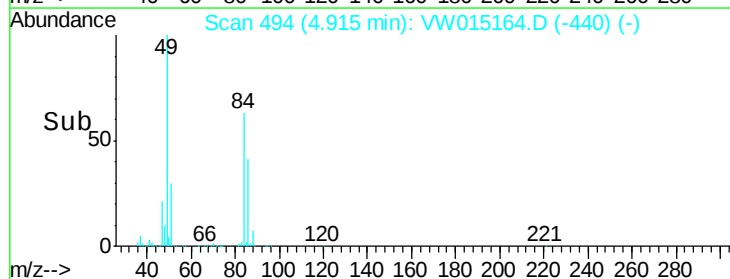
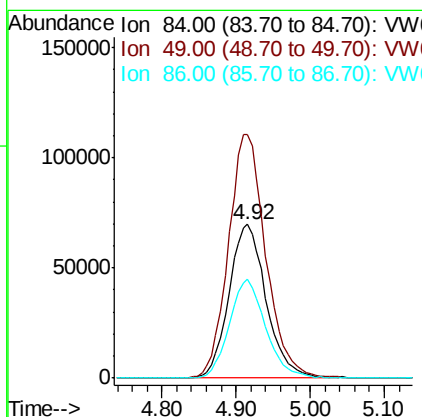
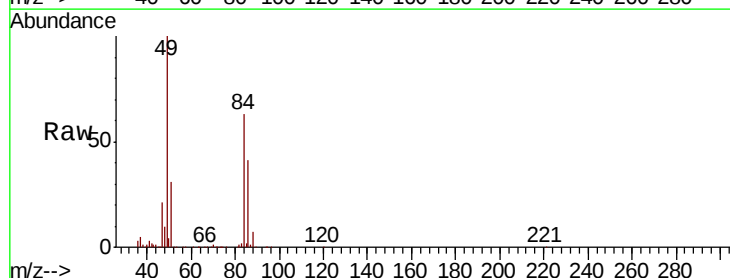
Instrument :
MSVOA_W
ClientSampled :
BFB20

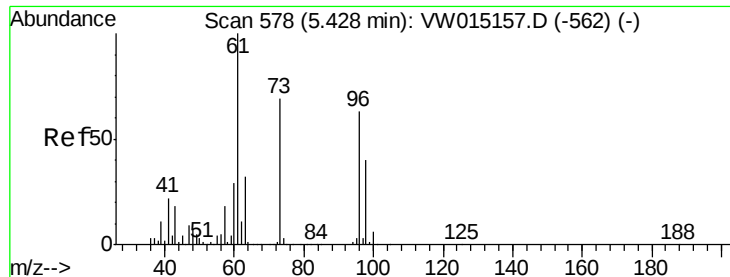
Tot Ion: 43 Resp: 138889
Ion Ratio Lower Upper
43 100
74 18.5 15.5 23.3



#16
Methylene chloride
Concen: 23.857 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015164.D
Acq: 08 Apr 2020 09:13

Tgt Ion: 84 Resp: 243069
Ion Ratio Lower Upper
84 100
49 158.2 111.7 207.5
86 64.7 44.7 82.9

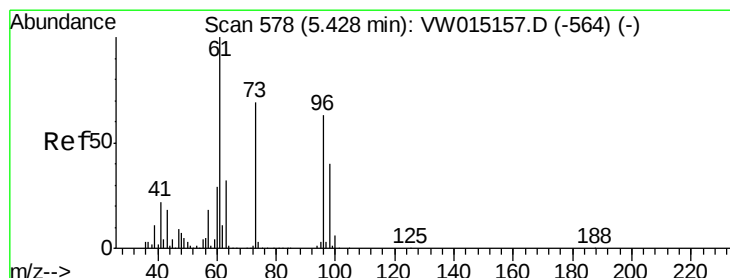
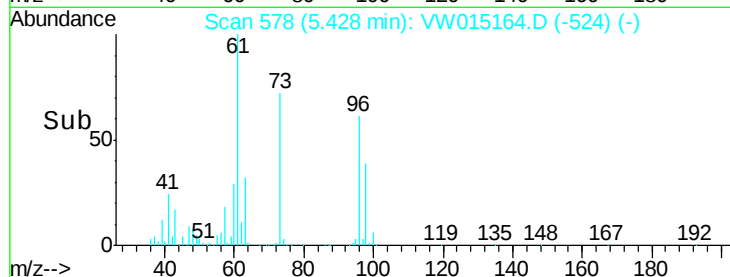
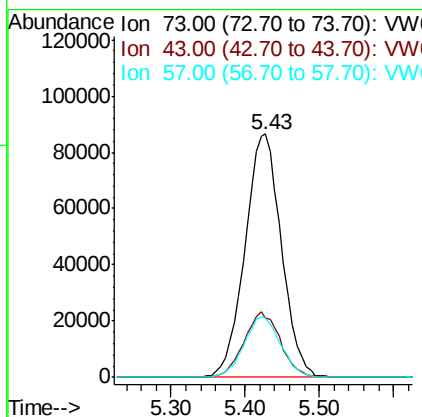
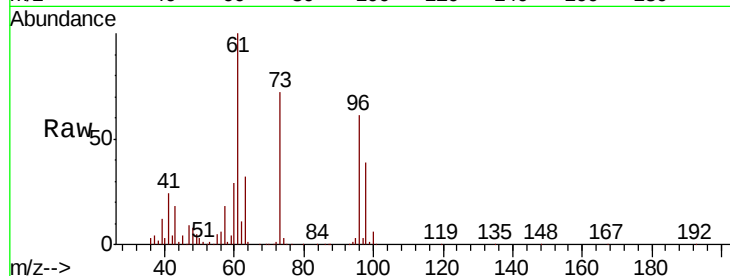




#17
Methvl tert-butvl Ether
Concen: 25.832 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015164.D
Acq: 08 Apr 2020 09:13

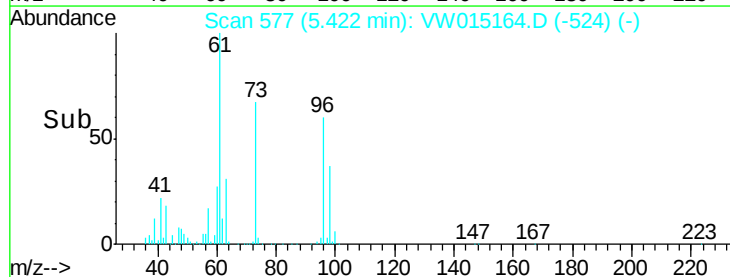
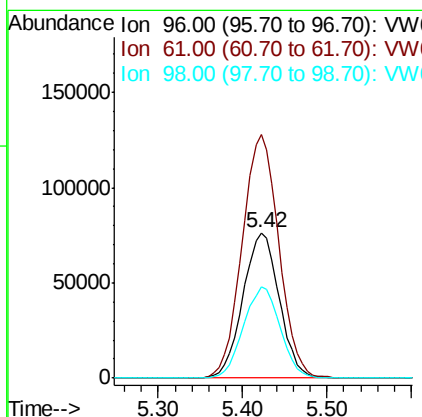
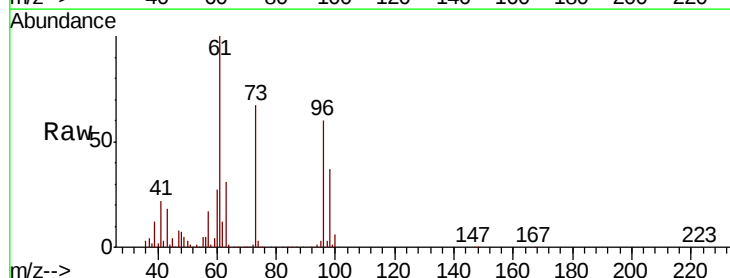
Instrument :
MSVOA_W
ClientSampled :
BFB20

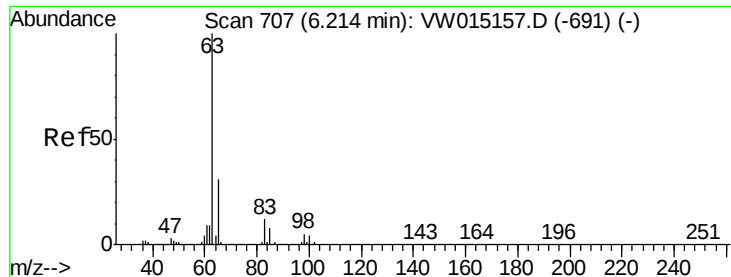
Tot Ion: 73 Resp: 296149
Ion Ratio Lower Upper
73 100
43 26.3 20.2 30.2
57 24.9 19.7 29.5



#18
trans-1,2-Dichloroethene
Concen: 24.323 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015164.D
Acq: 08 Apr 2020 09:13

Tgt Ion: 96 Resp: 223210
Ion Ratio Lower Upper
96 100
61 167.2 118.1 219.3
98 62.5 45.8 85.2

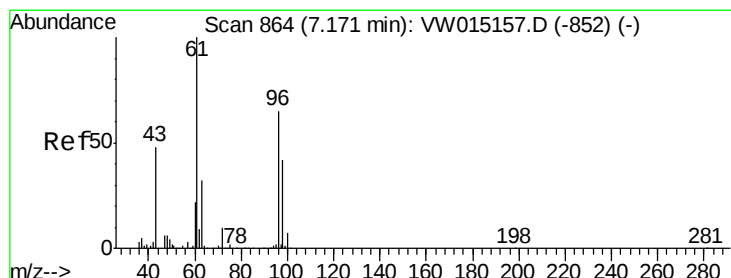
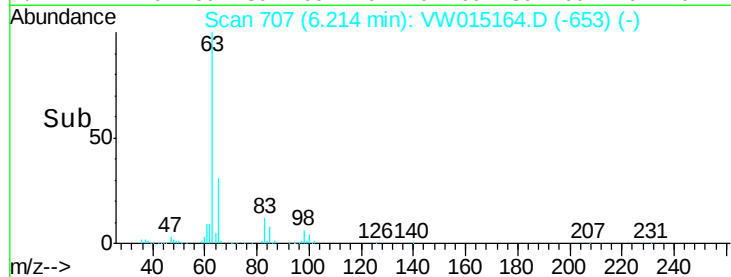
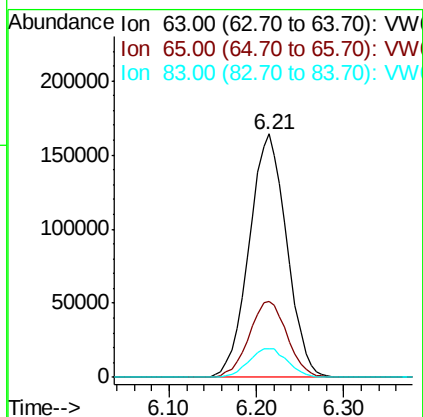
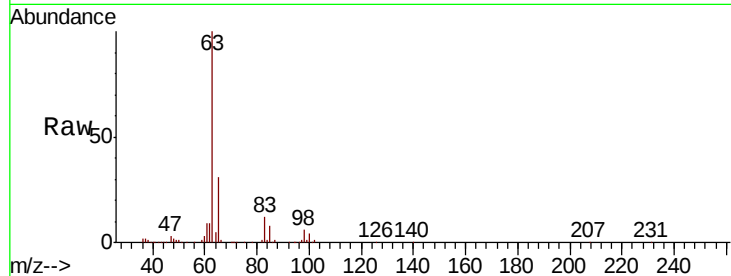




#19
 1,1-Dichloroethane
 Concen: 24.957 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW015164.D
 Acq: 08 Apr 2020 09:13

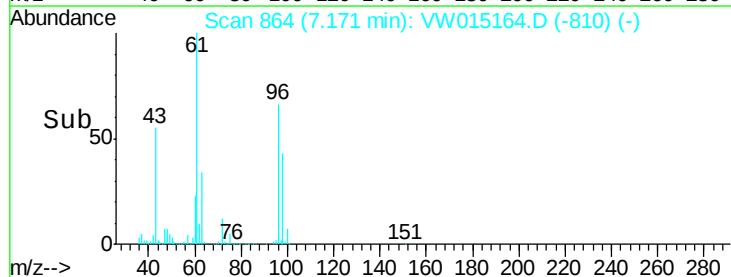
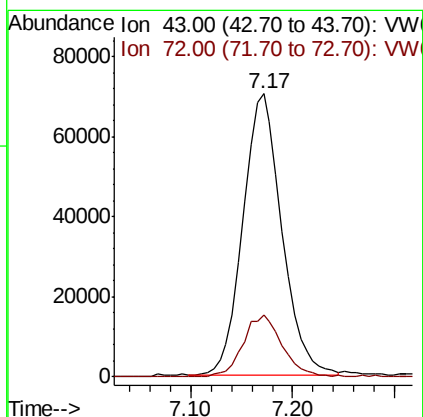
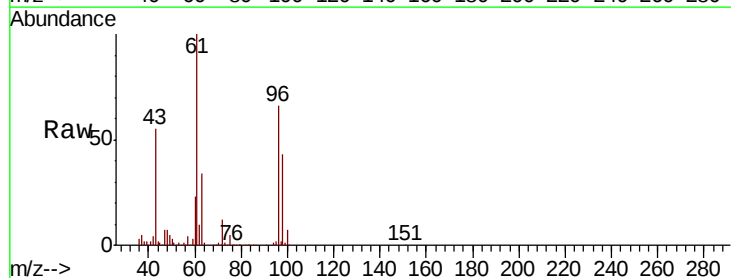
Instrument :
 MSVOA_W
 ClientSampled :
 BFB20

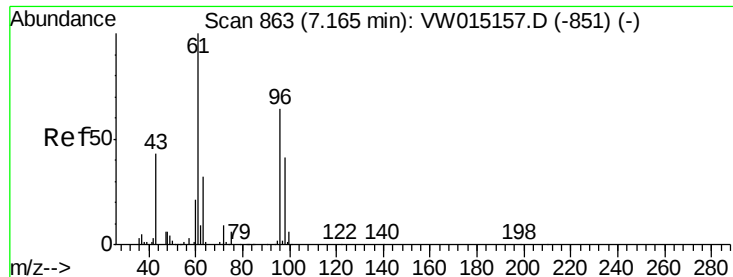
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	20.6	38.4
83	11.7	8.1	15.1



#21
 2-Butanone
 Concen: 62.852 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015164.D
 Acq: 08 Apr 2020 09:13

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.3	11.7	35.0





#22

cis-1,2-Dichloroethene

Concen: 25.693 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

BFB20

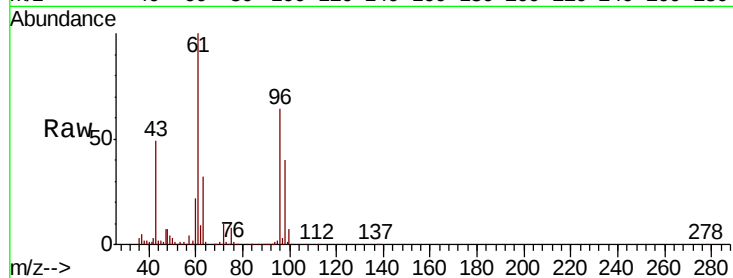
Tot Ion: 96 Resp: 234147

Ion Ratio Lower Upper

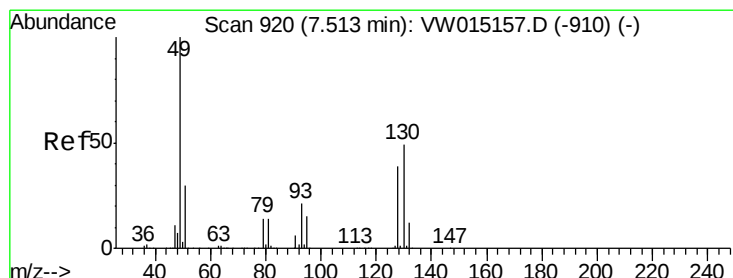
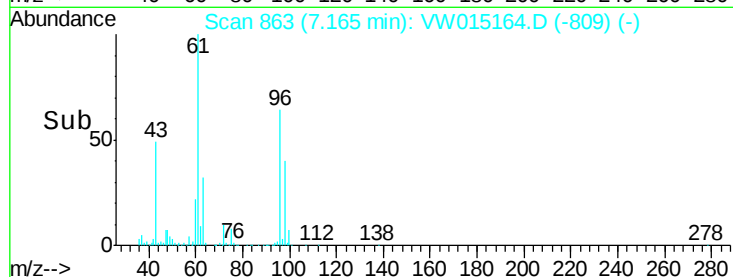
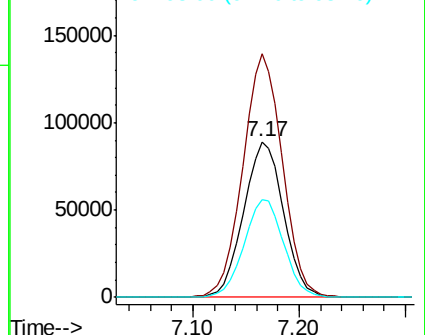
96 100

61 156.4 105.6 196.0

98 63.1 43.3 80.5



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane

Concen: 26.013 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

Tgt Ion:128 Resp: 97328

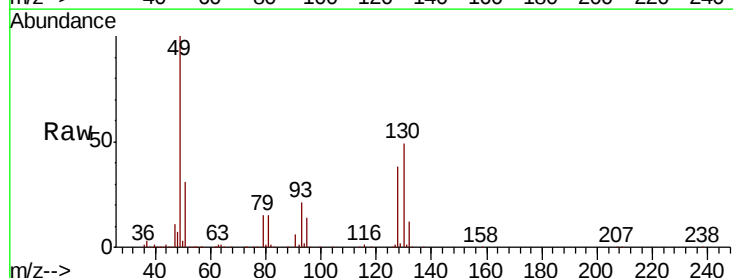
Ion Ratio Lower Upper

128 100

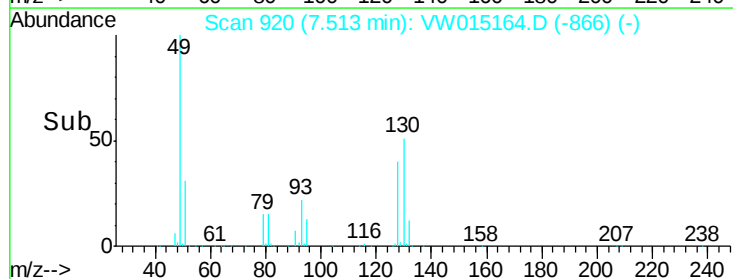
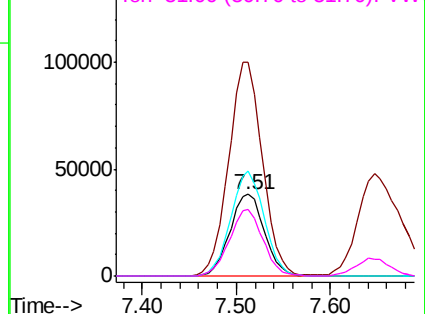
49 262.2 181.2 336.6

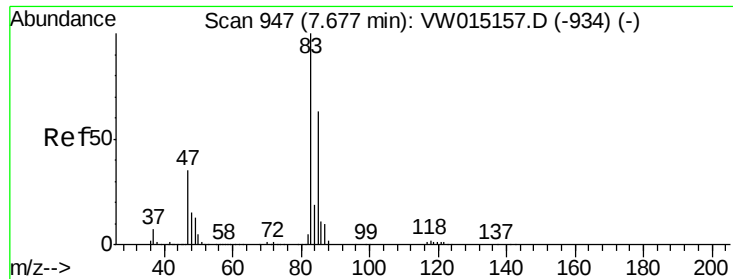
130 129.6 88.4 164.2

51 81.0 66.2 99.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

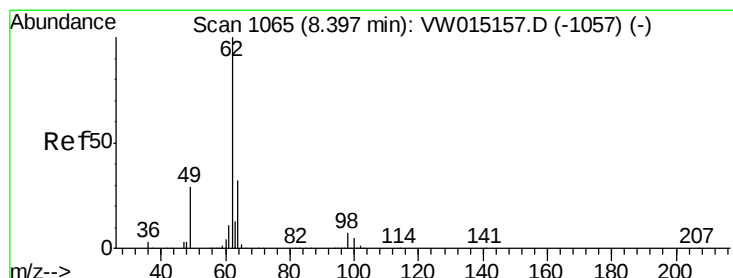
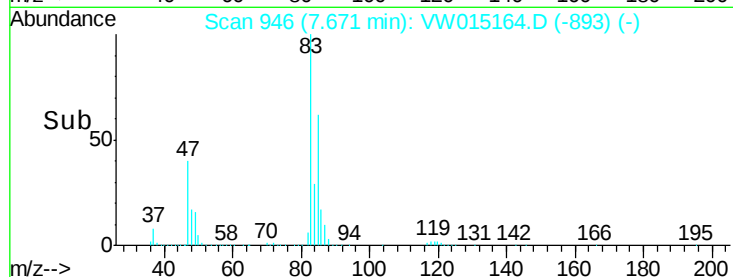
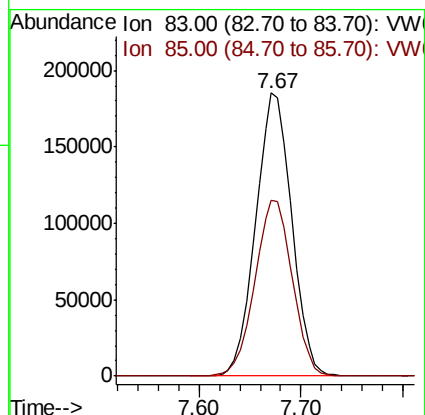
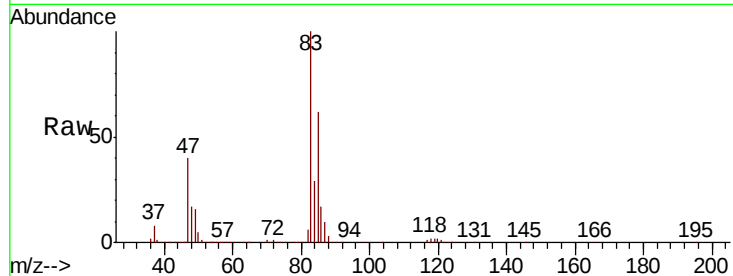




#25
Chloroform
Concen: 25.582 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW015164.D
Acq: 08 Apr 2020 09:13

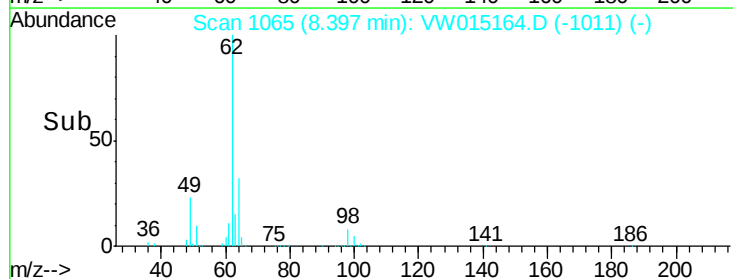
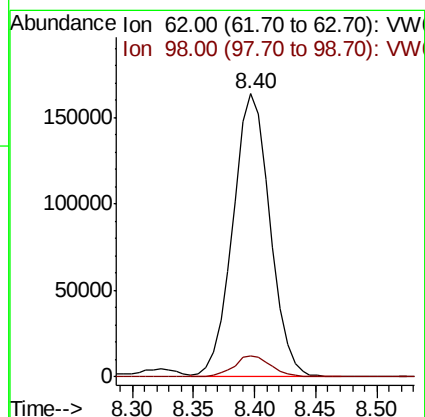
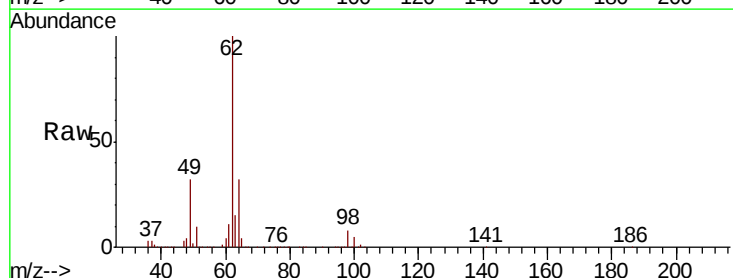
Instrument :
MSVOA_W
ClientSampled :
BFB20

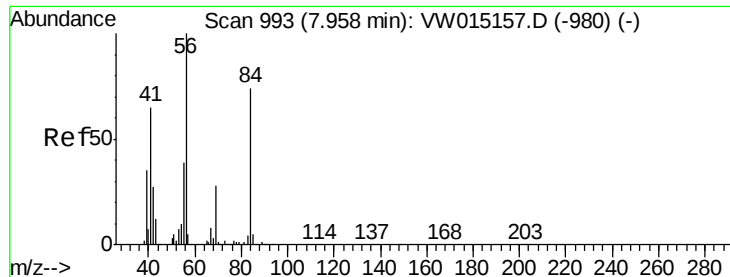
Tot Ion: 83 Resp: 454456
Ion Ratio Lower Upper
83 100
85 64.5 45.4 84.2



#27
1,2-Dichloroethane
Concen: 27.008 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015164.D
Acq: 08 Apr 2020 09:13

Tgt Ion: 62 Resp: 344581
Ion Ratio Lower Upper
62 100
98 7.6 6.2 9.4

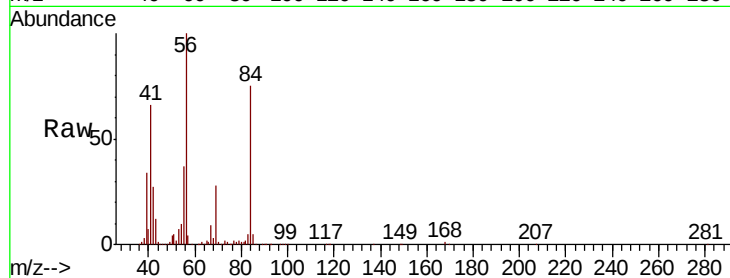




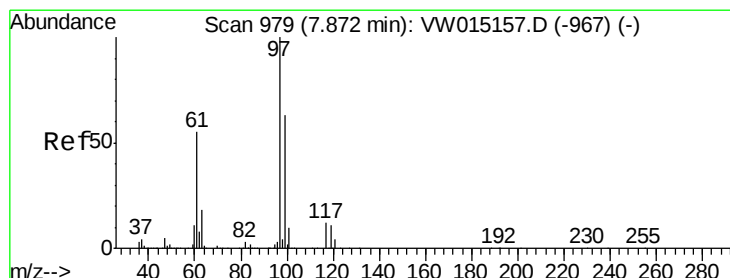
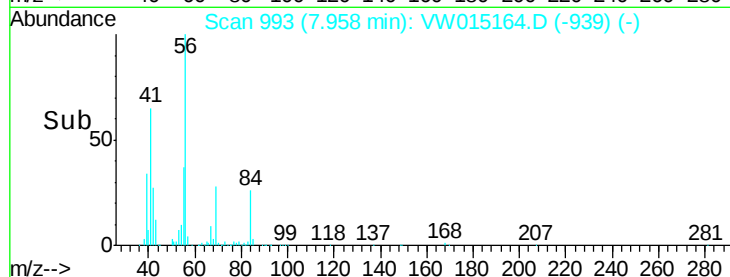
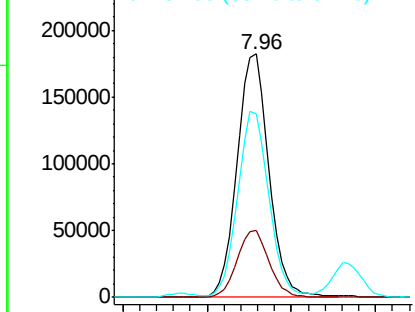
#30
Cyclohexane
Concen: 25.611 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015164.D
Acq: 08 Apr 2020 09:13

Instrument :
MSVOA_W
ClientSampleId :
BFB20

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.6	22.0	33.0
84	74.9	58.9	88.3

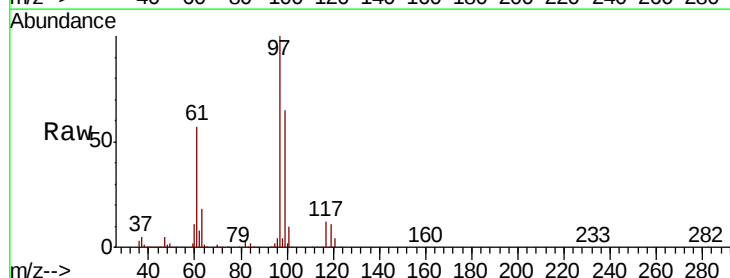


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

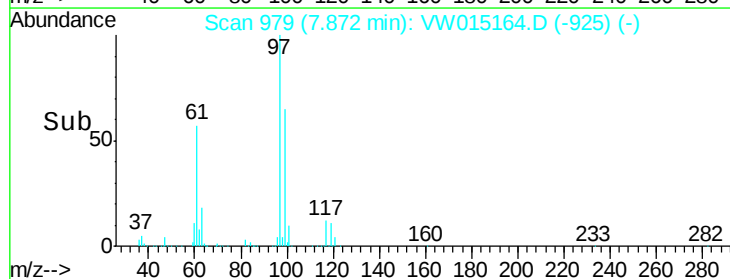
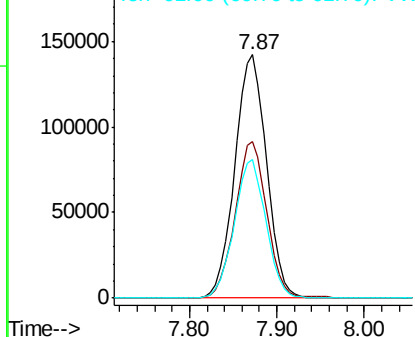


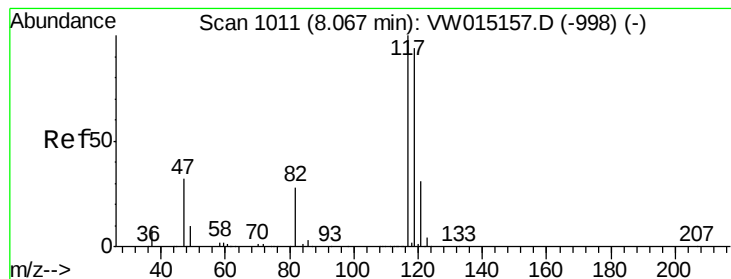
#31
1,1,1-Trichloroethane
Concen: 24.441 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015164.D
Acq: 08 Apr 2020 09:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	56.7	44.8	67.2



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 24.841 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

Instrument :

MSVOA_W

ClientSampled :

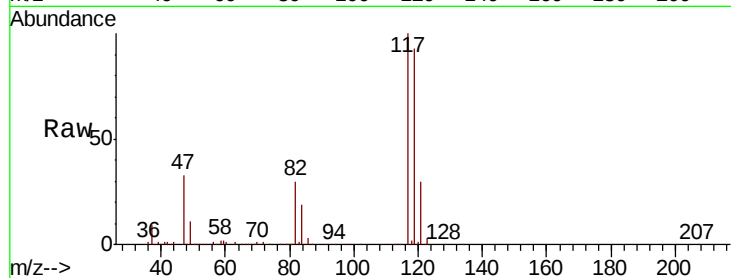
BFB20

Tot Ion:117 Resp: 31538

Ion Ratio Lower Upper

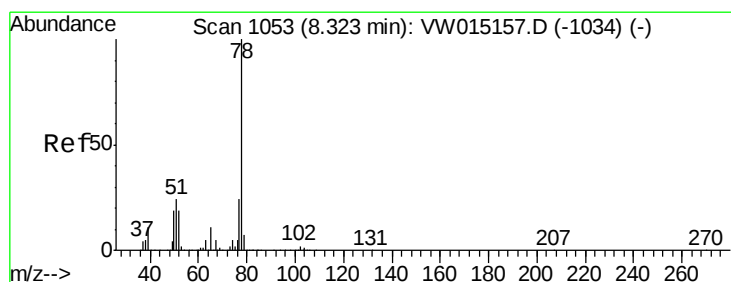
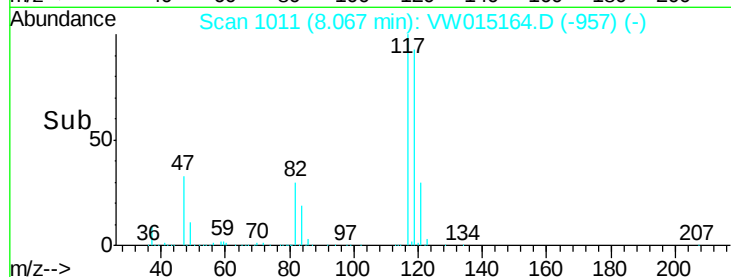
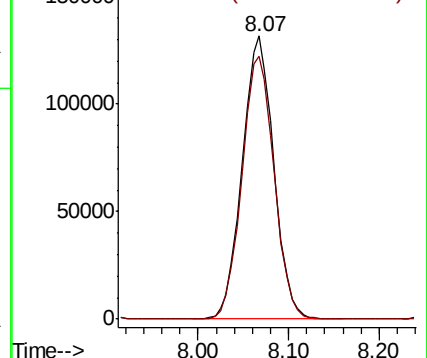
117 100

119 95.1 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.103 ug/L

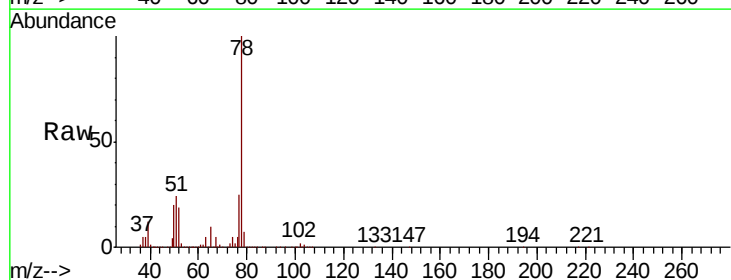
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

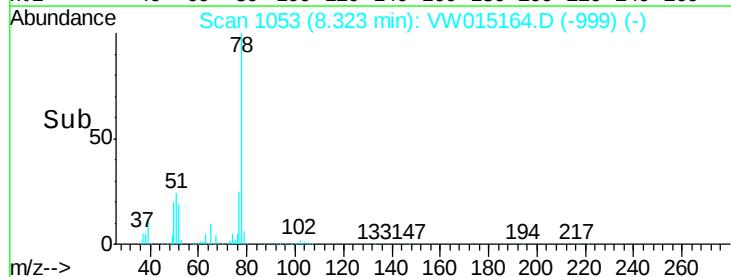
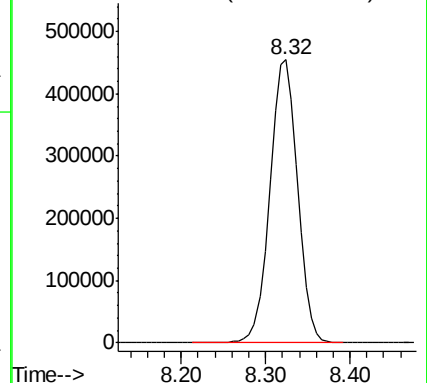
Lab File: VW015164.D

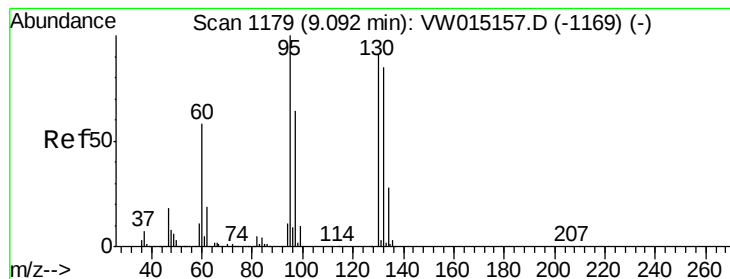
Acq: 08 Apr 2020 09:13

Tgt Ion: 78 Resp: 1034977



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.179 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

Instrument :

MSVOA_W

ClientSampled :

BFB20

Tot Ion: 95 Resp: 242673

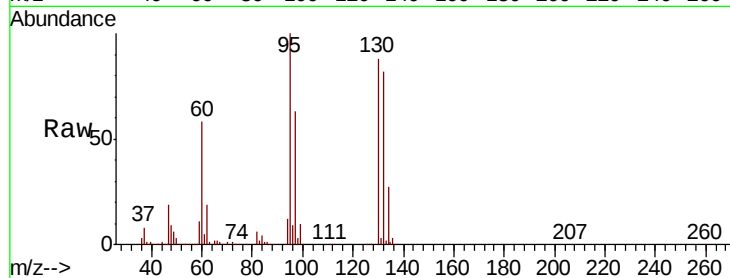
Ion Ratio Lower Upper

95 100

97 64.0 43.7 81.1

132 83.0 58.7 109.1

130 86.7 61.3 113.9

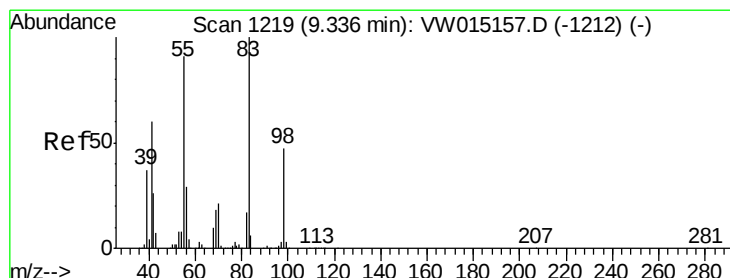
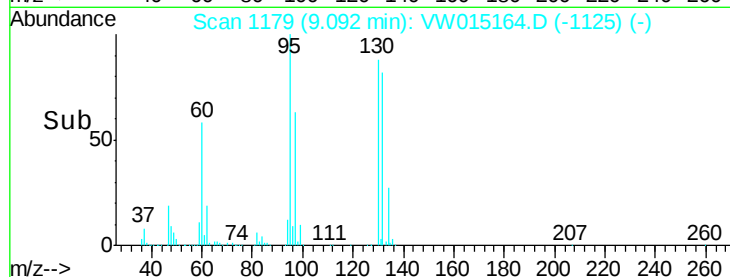
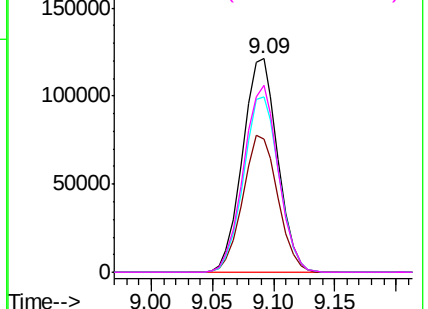


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 26.158 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

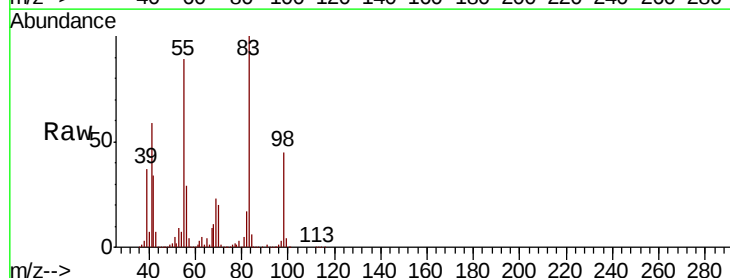
Tgt Ion: 83 Resp: 451035

Ion Ratio Lower Upper

83 100

55 92.0 73.4 110.2

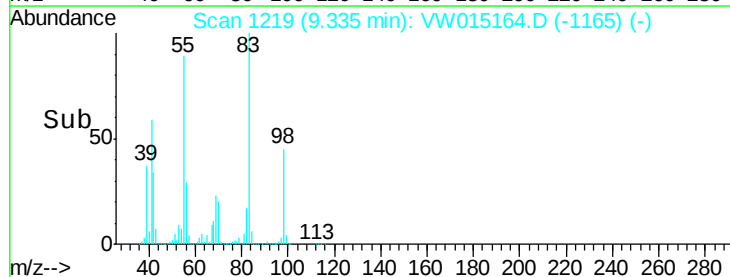
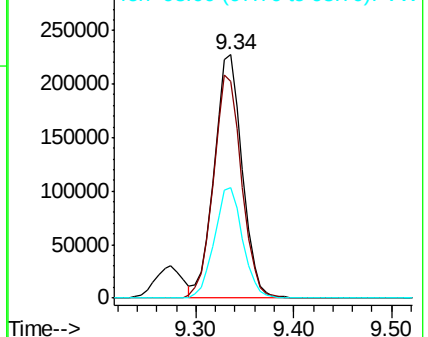
98 45.5 36.6 55.0

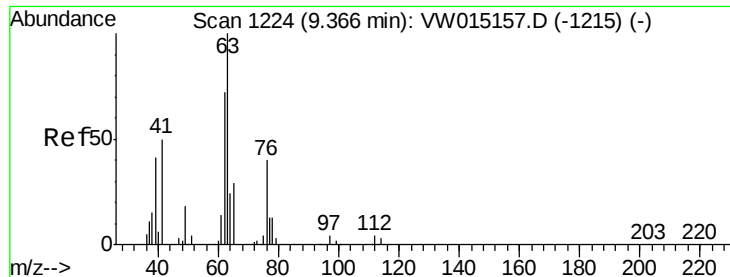


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.752 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

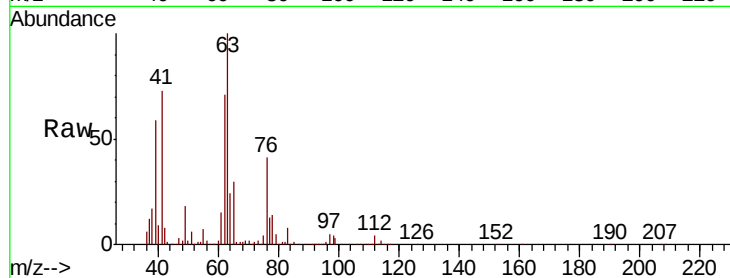
BFB20

Tot Ion: 63 Resp: 281437

Ion Ratio Lower Upper

63 100

112 3.9 2.9 4.3



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

150000

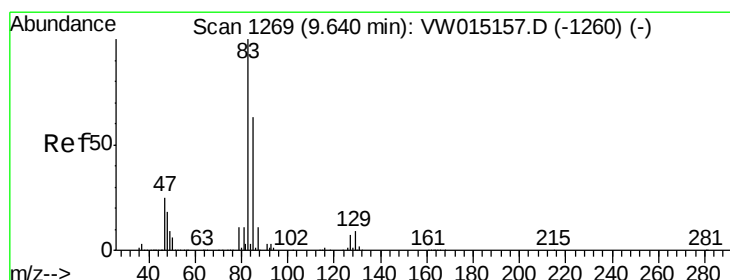
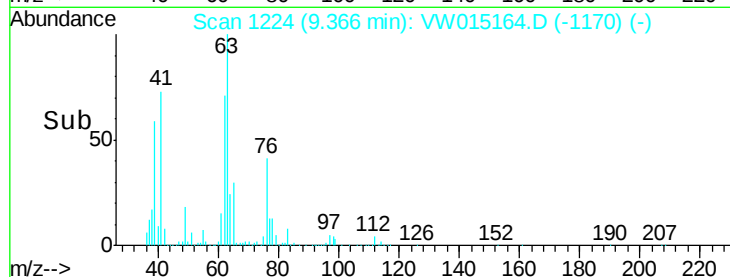
100000

50000

0

9.30 9.35 9.40 9.45

Time-->



#41

Bromodichloromethane

Concen: 25.237 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

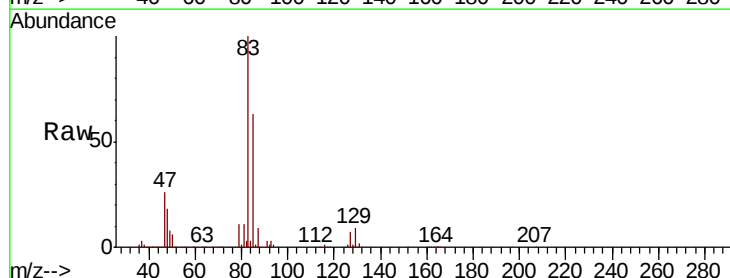
Tgt Ion: 83 Resp: 326484

Ion Ratio Lower Upper

83 100

85 62.6 44.1 81.9

127 7.0 5.5 8.3



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

200000

150000

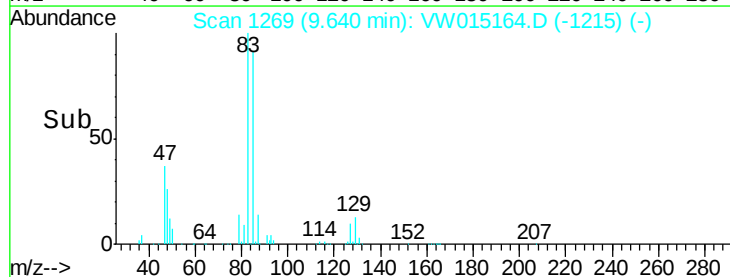
100000

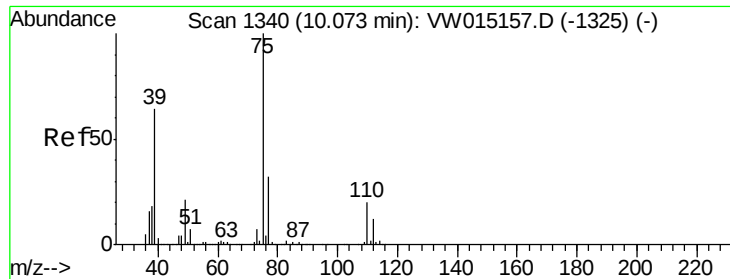
50000

0

9.55 9.60 9.65 9.70

Time-->





#42

cis-1,3-Dichloropropene

Concen: 26.226 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

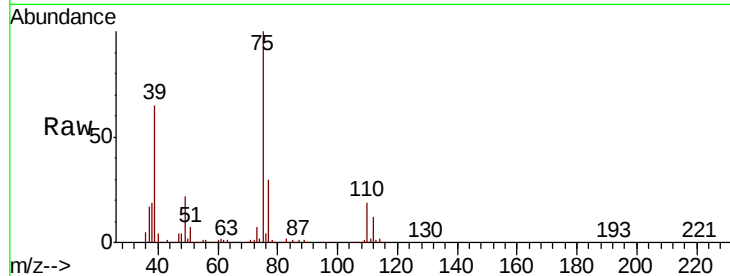
BFB20

Tot Ion: 75 Resp: 391799

Ion Ratio Lower Upper

75 100

77 30.3 21.4 39.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

200000

150000

100000

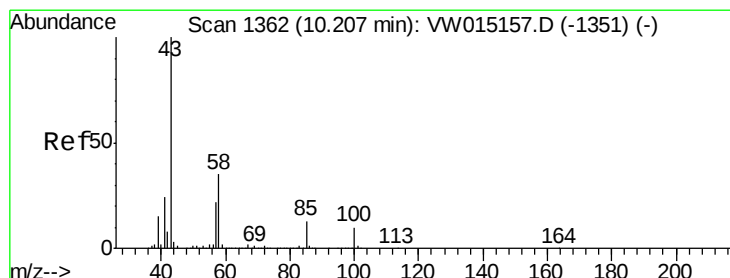
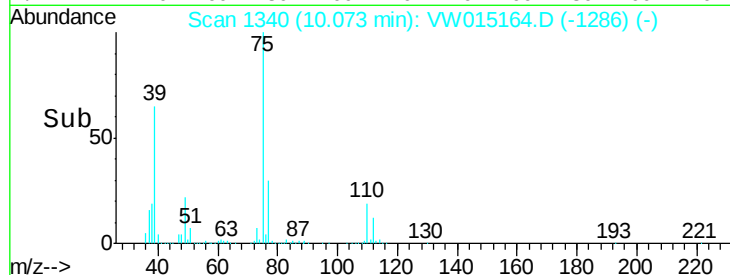
50000

0

Time-->

10.00

10.10



#43

4-Methyl-2-pentanone

Concen: 61.912 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

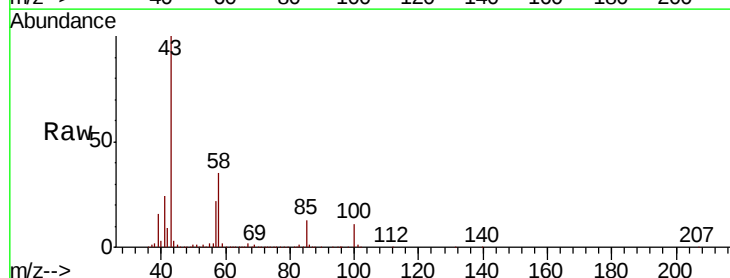
Tgt Ion: 43 Resp: 398274

Ion Ratio Lower Upper

43 100

58 33.8 27.9 41.9

100 10.8 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.21

300000

200000

100000

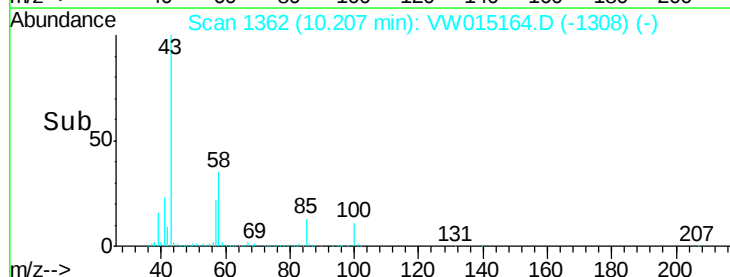
0

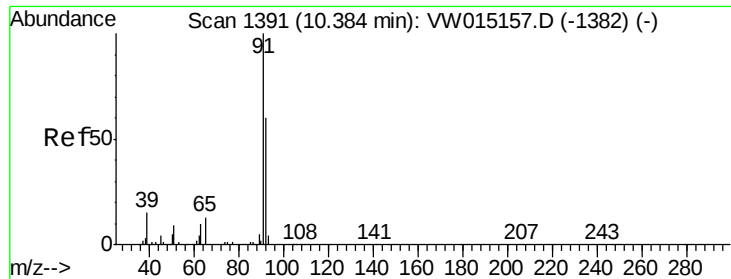
Time-->

10.10

10.20

10.30





#44

Toluene

Concen: 25.557 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

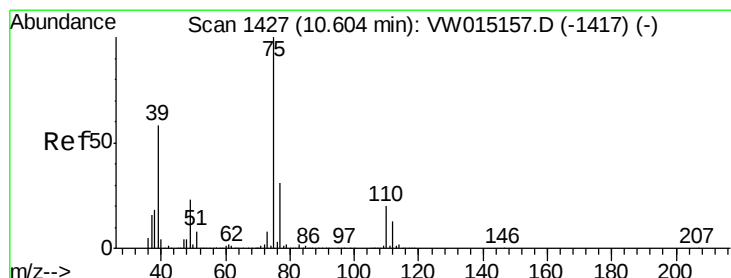
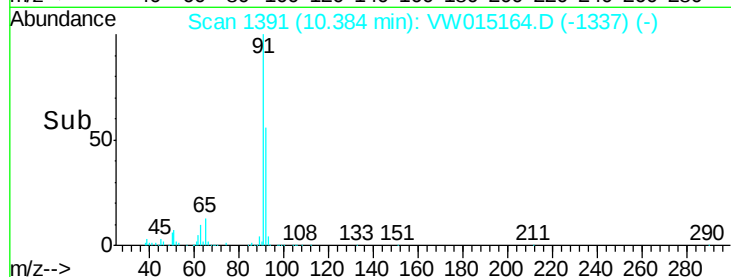
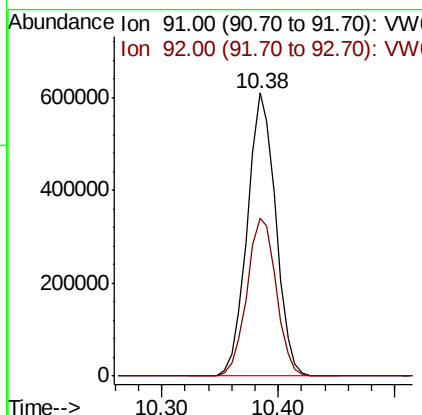
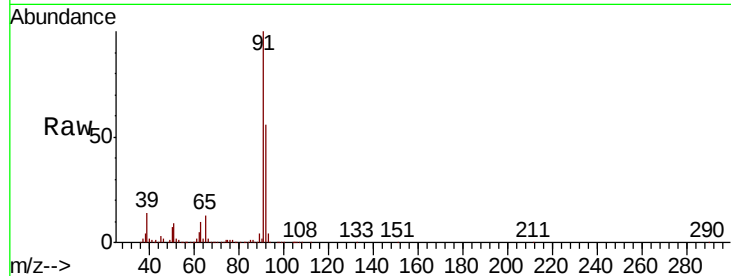
BFB20

Tot Ion: 91 Resp: 1041921

Ion Ratio Lower Upper

91 100

92 56.0 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 26.710 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015164.D

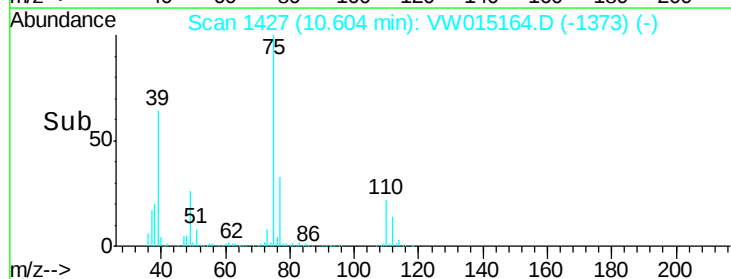
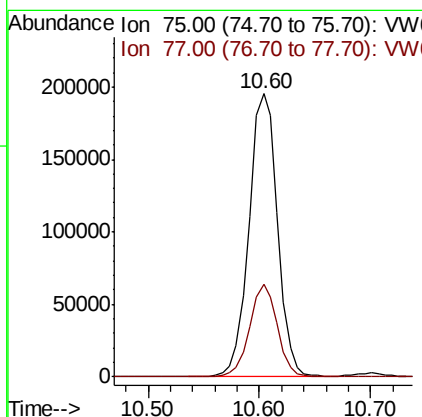
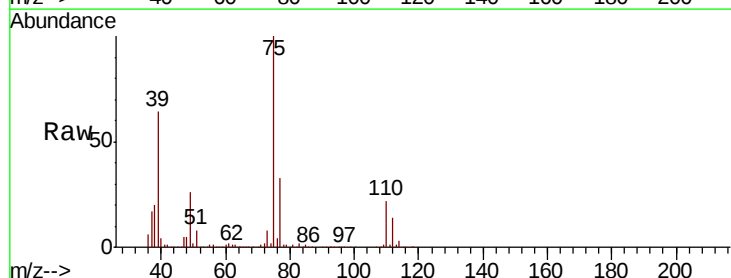
Acq: 08 Apr 2020 09:13

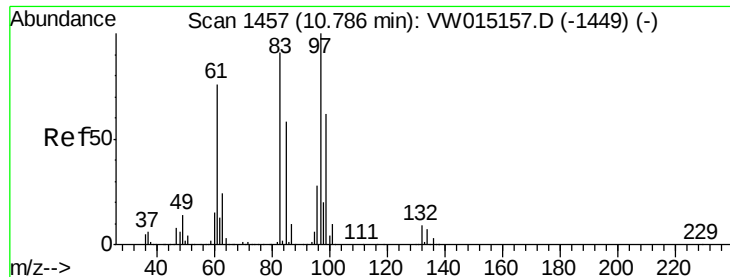
Tgt Ion: 75 Resp: 348923

Ion Ratio Lower Upper

75 100

77 32.8 21.8 40.4





#46

1,1,2-Trichloroethane

Concen: 25.943 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

BFB20

Tot Ion: 97 Resp: 173400

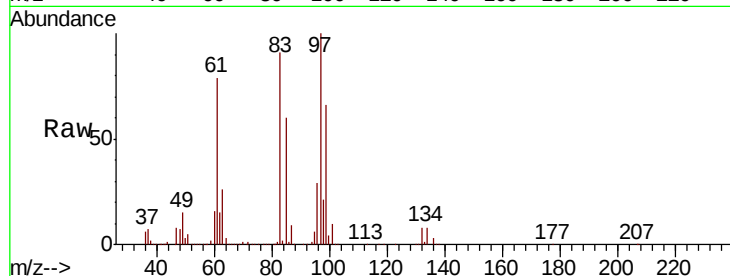
Ion Ratio Lower Upper

97 100

83 91.4 64.8 120.4

85 60.3 40.9 75.9

99 66.1 43.8 81.4



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

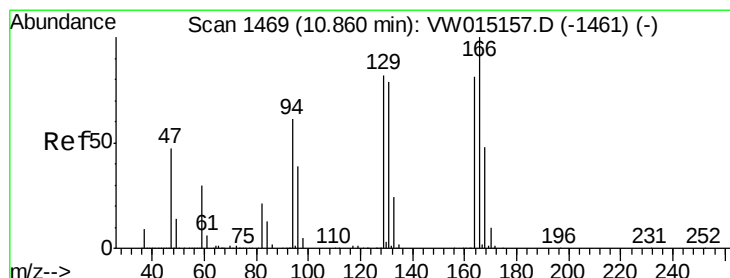
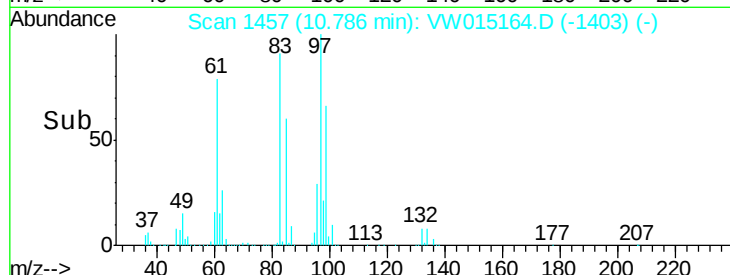
10.79

100000

50000

0

Time-->



#47

Tetrachloroethene

Concen: 24.314 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

Tgt Ion:164 Resp: 157489

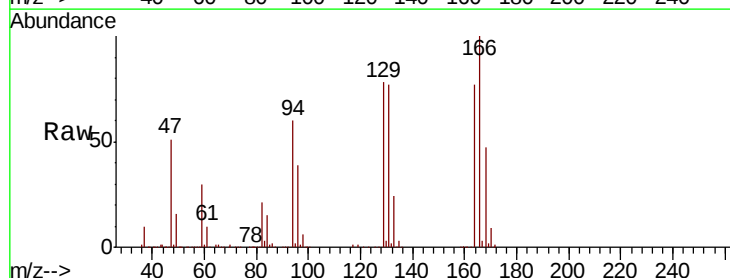
Ion Ratio Lower Upper

164 100

129 101.7 73.2 136.0

131 100.8 69.4 128.8

166 130.2 89.5 166.3



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

10.86

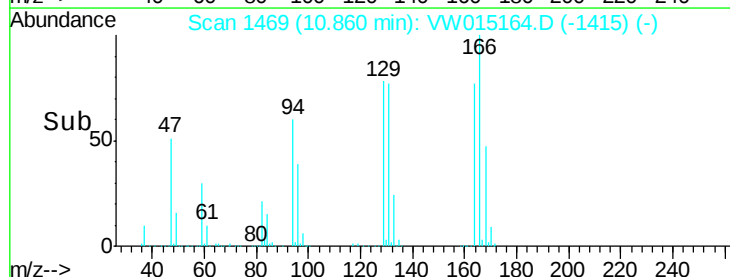
150000

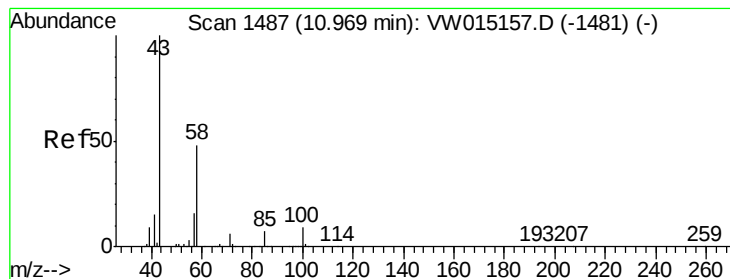
100000

50000

0

Time-->





#49

2-Hexanone

Concen: 67.478 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

Instrument :

MSVOA_W

ClientSampled :

BFB20

Tot Ion: 43 Resp: 289503

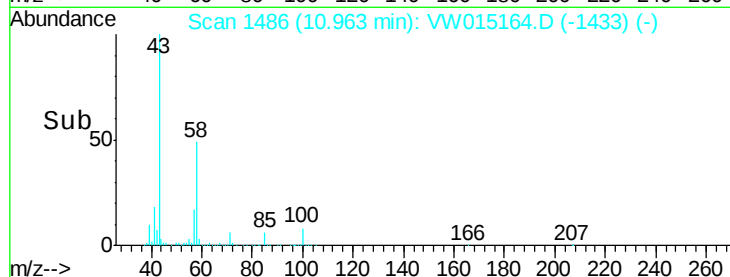
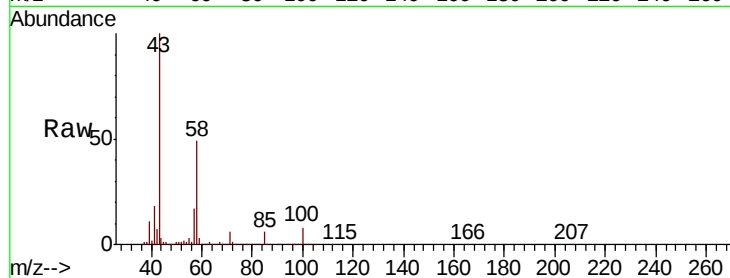
Ion Ratio Lower Upper

43 100

58 50.0 38.5 57.7

57 16.6 12.9 19.3

100 8.7 6.9 10.3

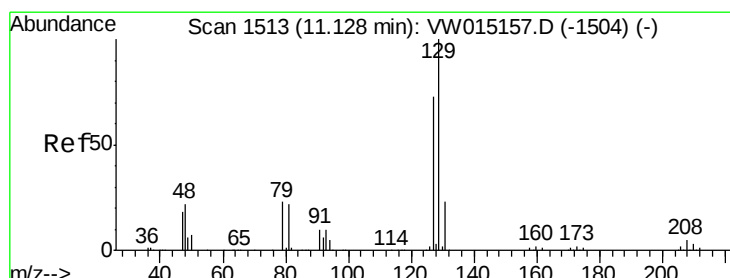
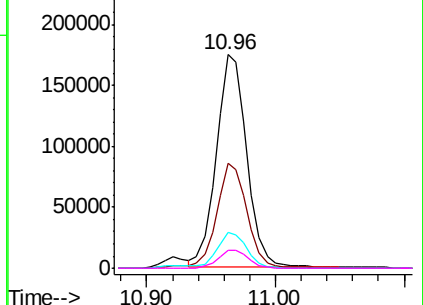


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 26.412 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015164.D

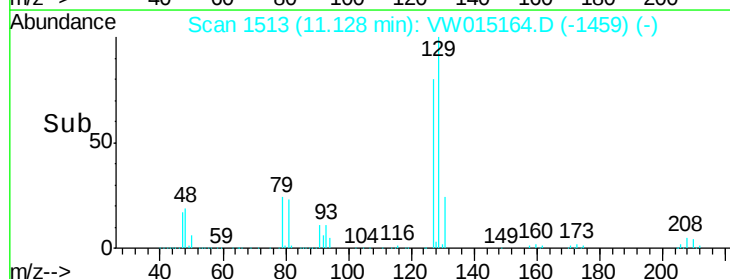
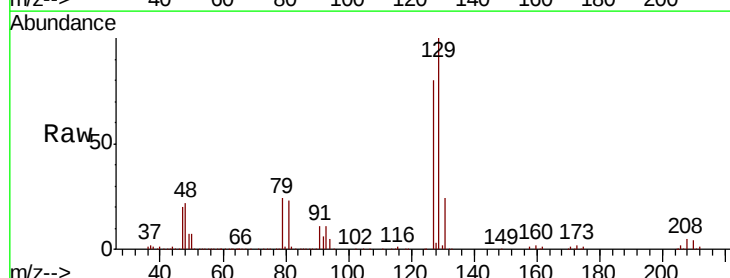
Acq: 08 Apr 2020 09:13

Tgt Ion: 129 Resp: 181490

Ion Ratio Lower Upper

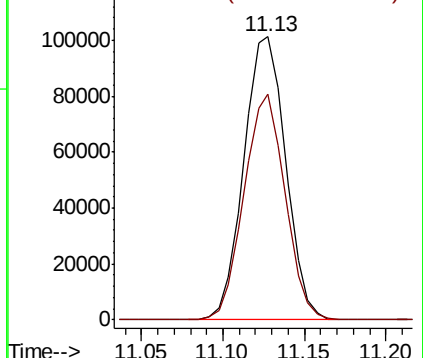
129 100

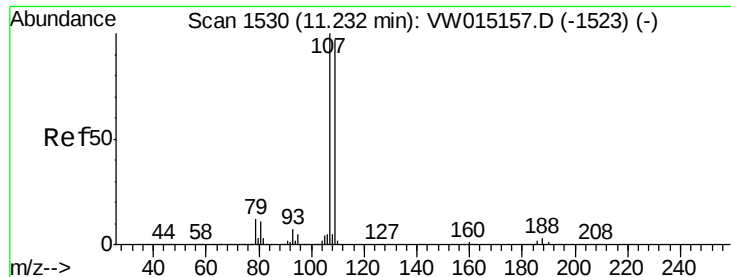
127 79.7 55.1 102.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

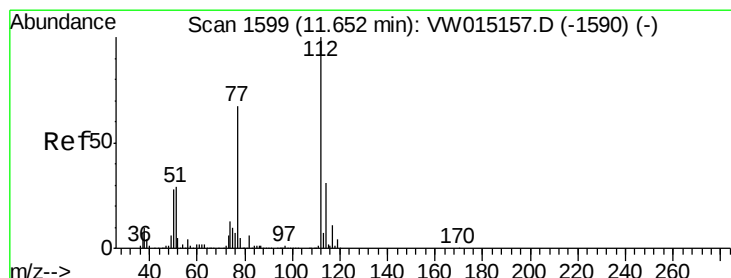
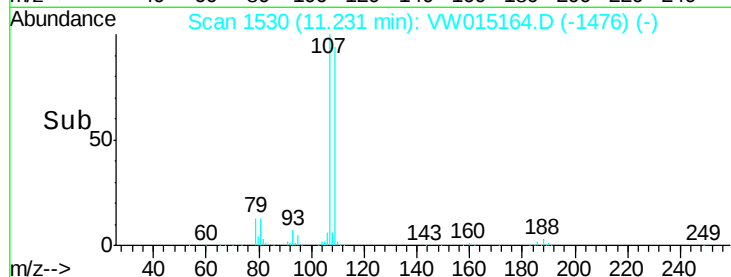
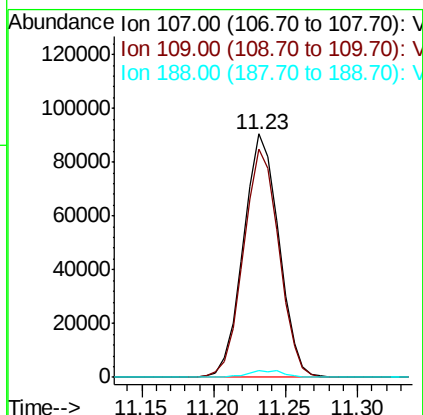
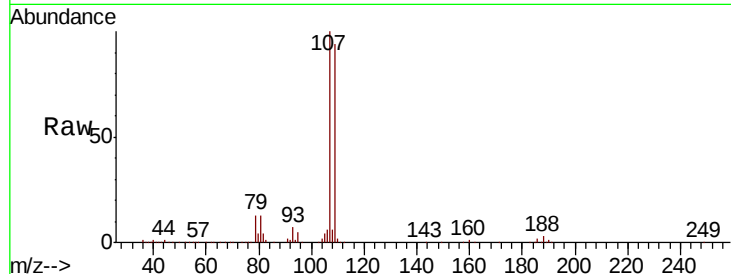




#51
 1,2-Dibromoethane
 Concen: 26.168 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW015164.D
 Acq: 08 Apr 2020 09:13

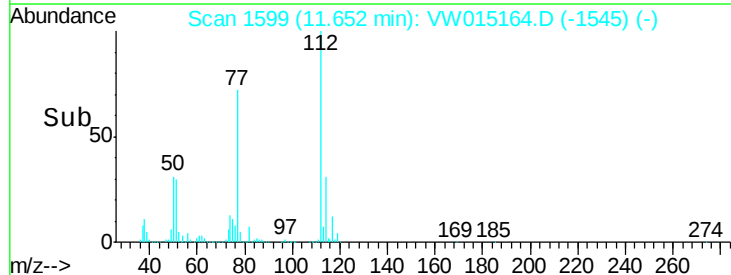
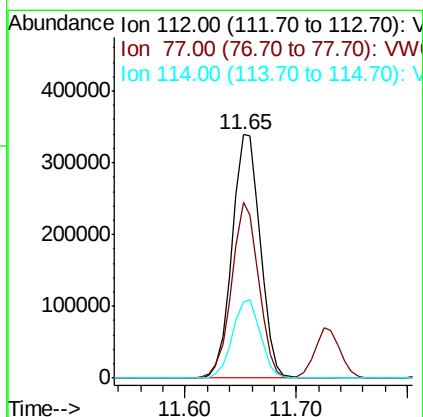
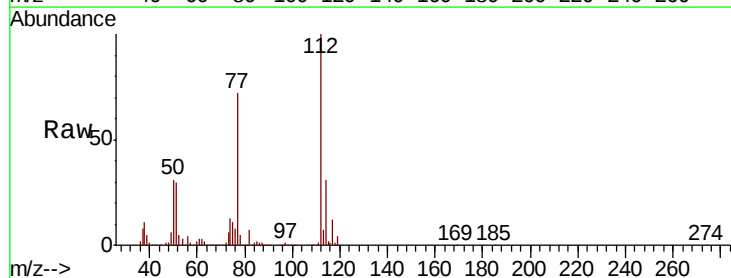
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB20

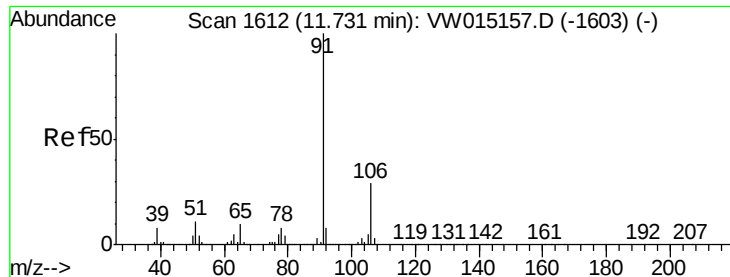
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	65.9	122.5
188	2.7	2.3	3.5



#52
 Chlorobenzene
 Concen: 24.810 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: VW015164.D
 Acq: 08 Apr 2020 09:13

Tgt Ion	Ratio	Lower	Upper
112	100		
77	72.2	53.5	80.3
114	31.4	22.0	40.8





#53

Ethylbenzene

Concen: 26.159 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

Instrument :

MSVOA_W

ClientSampled :

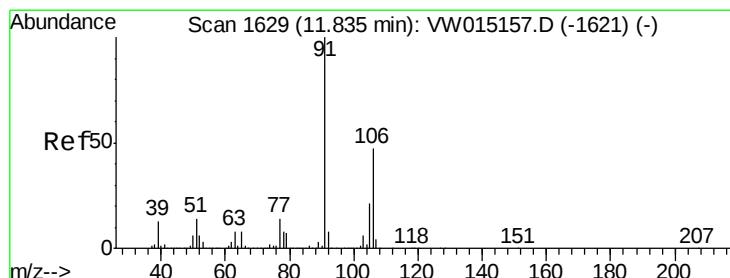
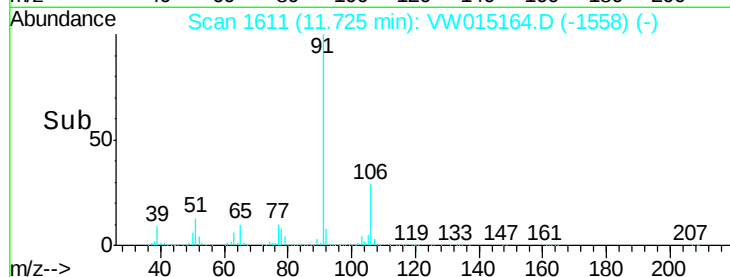
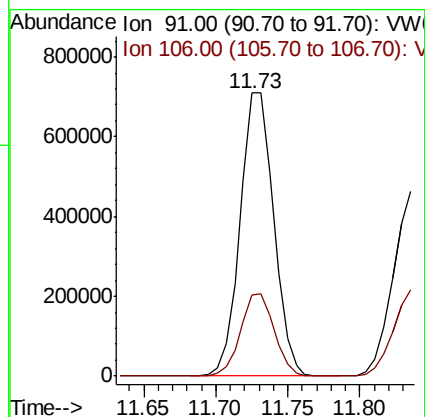
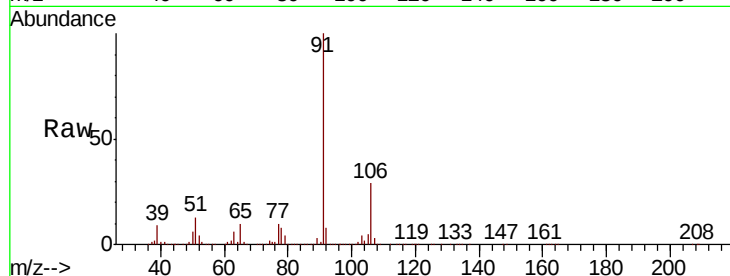
BFB20

Tot Ion: 91 Resp: 1151939

Ion Ratio Lower Upper

91 100

106 28.9 20.6 38.2



#54

m,p-Xylene

Concen: 26.614 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW015164.D

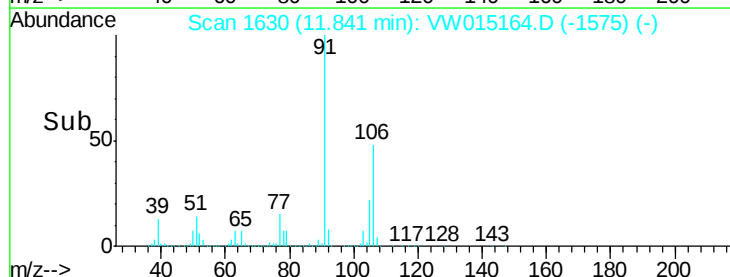
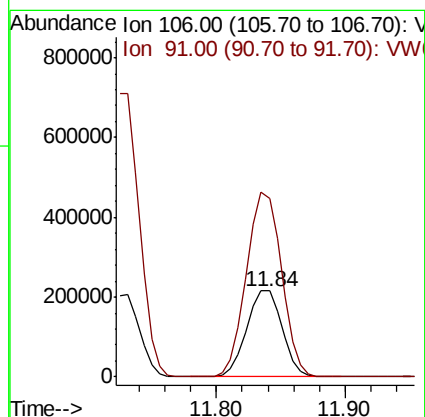
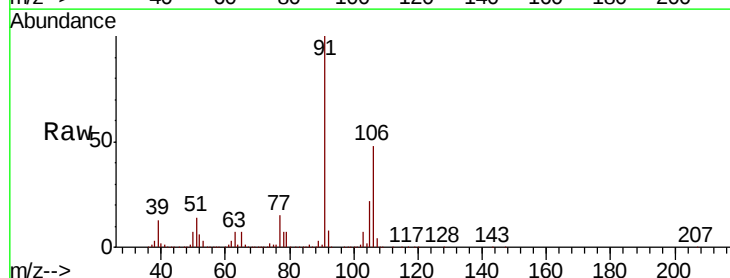
Acq: 08 Apr 2020 09:13

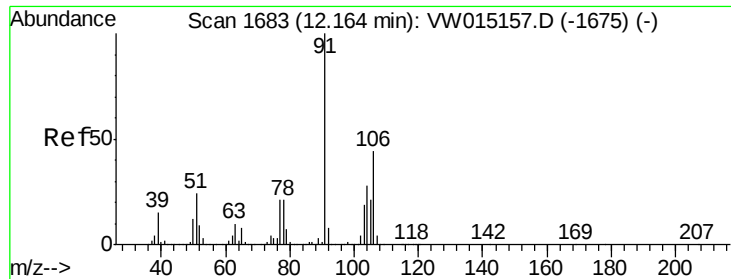
Tgt Ion: 106 Resp: 410867

Ion Ratio Lower Upper

106 100

91 208.2 147.3 273.6

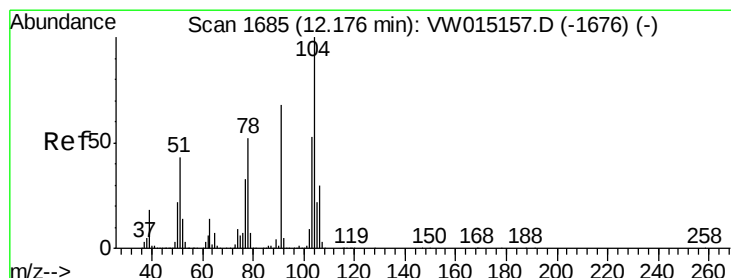
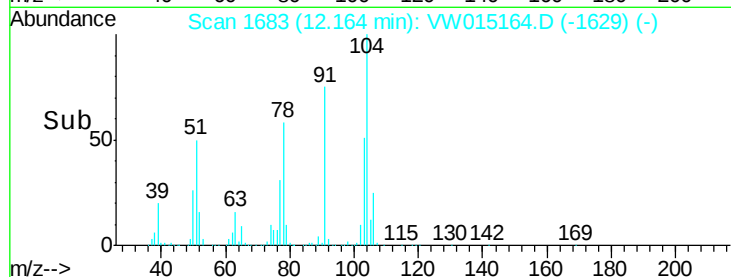
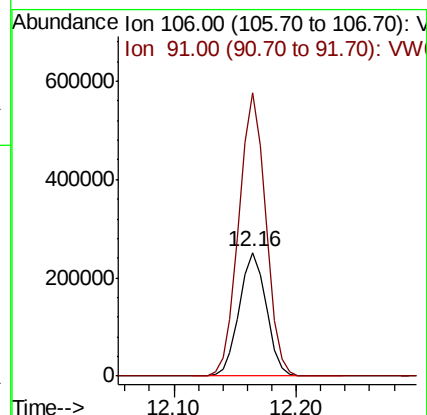
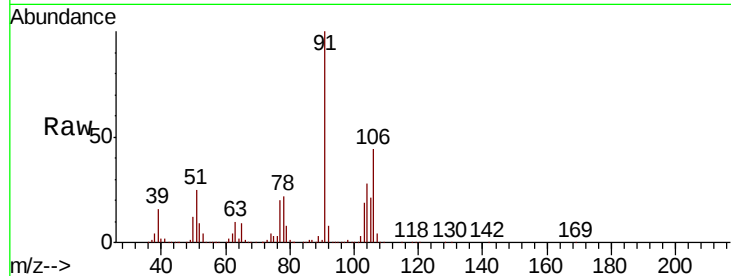




#55
o-xylene
Concen: 26.564 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015164.D
Acq: 08 Apr 2020 09:13

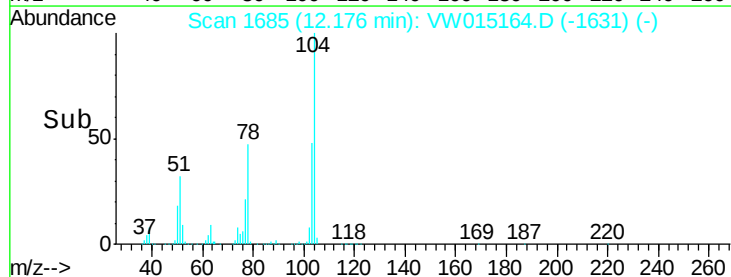
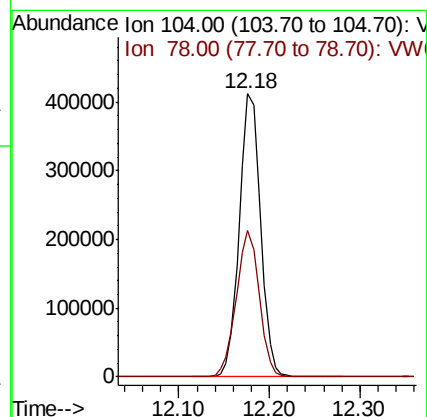
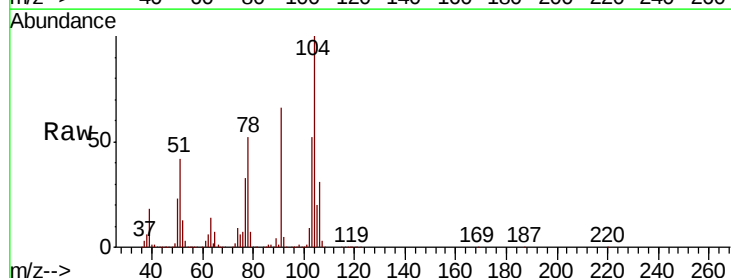
Instrument :
MSVOA_W
ClientSampled :
BFB20

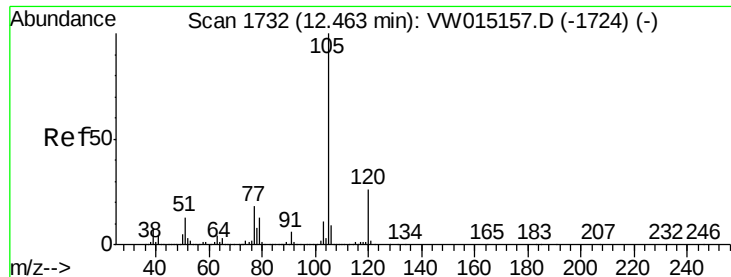
Tot Ion:106 Resp: 384457
Ion Ratio Lower Upper
106 100
91 228.6 158.6 294.6



#56
Styrene
Concen: 27.351 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW015164.D
Acq: 08 Apr 2020 09:13

Tgt Ion:104 Resp: 673693
Ion Ratio Lower Upper
104 100
78 51.9 33.9 63.0





#57

Isopropylbenzene

Concen: 27.074 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

BFB20

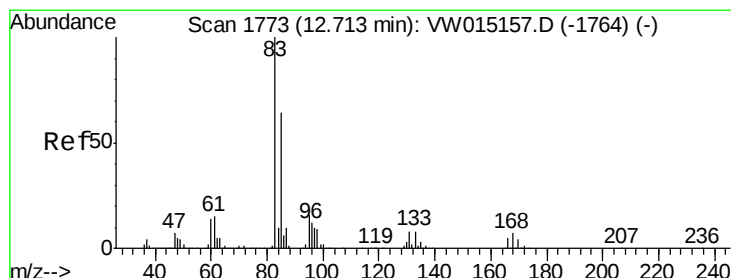
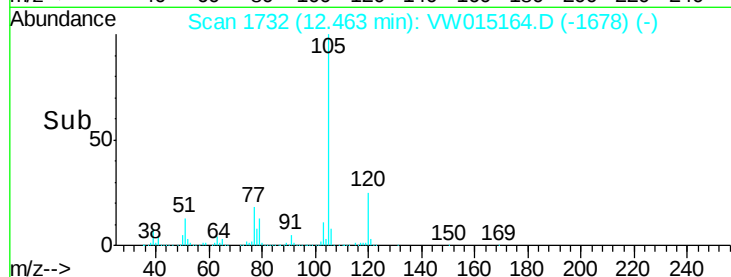
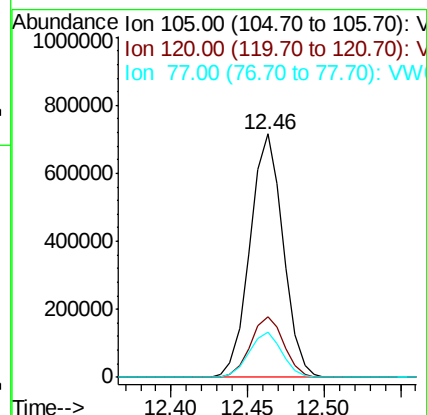
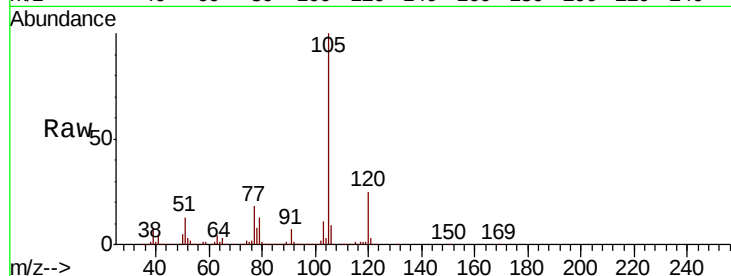
Tot Ion:105 Resp: 1079580

Ion Ratio Lower Upper

105 100

120 25.0 20.0 30.0

77 18.5 14.5 21.7



#58

1,1,2,2-Tetrachloroethane

Concen: 27.621 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

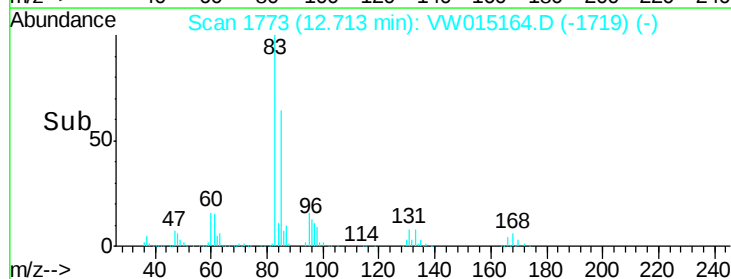
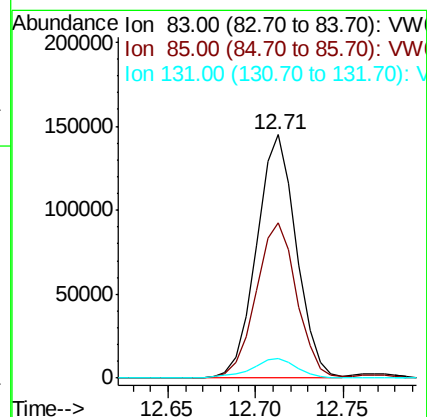
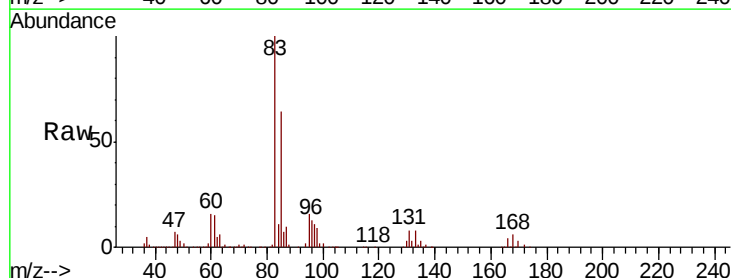
Tgt Ion: 83 Resp: 231063

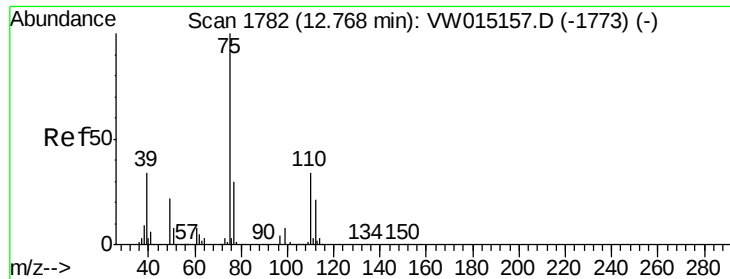
Ion Ratio Lower Upper

83 100

85 63.6 44.1 81.9

131 8.1 5.9 8.9





#59

1,2,3-Trichloropropane

Concen: 28.328 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

Instrument :

MSVOA_W

ClientSampled :

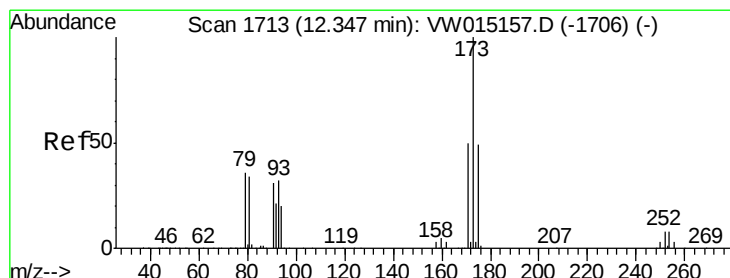
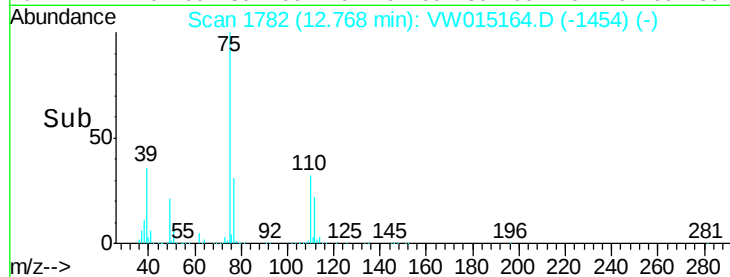
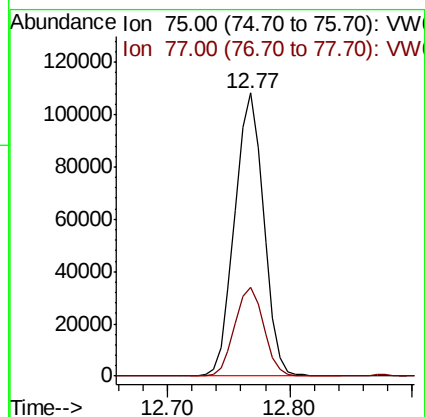
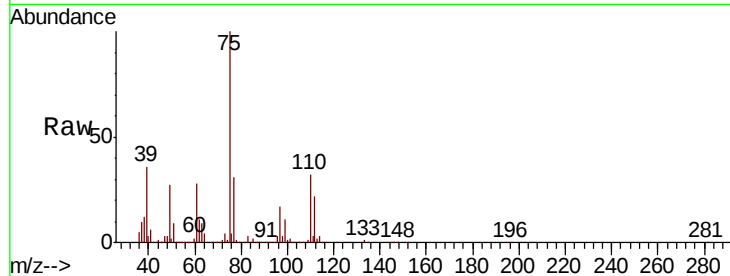
BFB20

Tot Ion: 75 Resp: 177256

Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.6



#62

Bromoform

Concen: 26.079 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

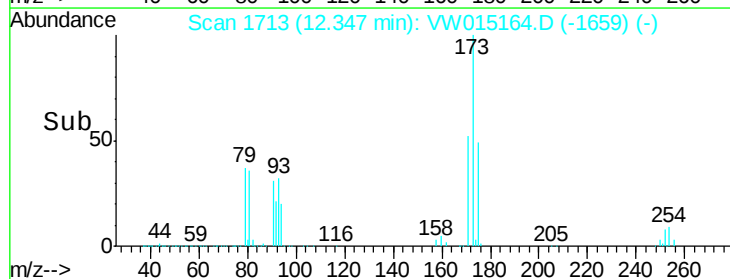
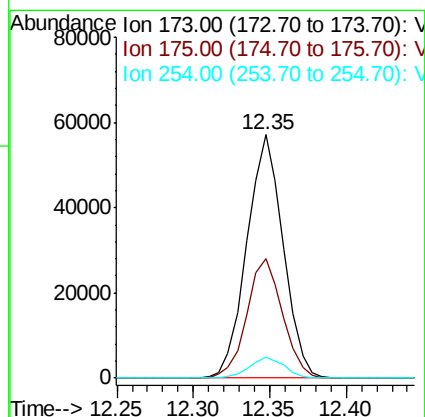
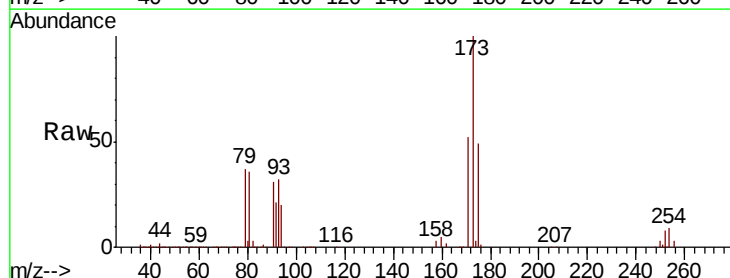
Tgt Ion: 173 Resp: 94261

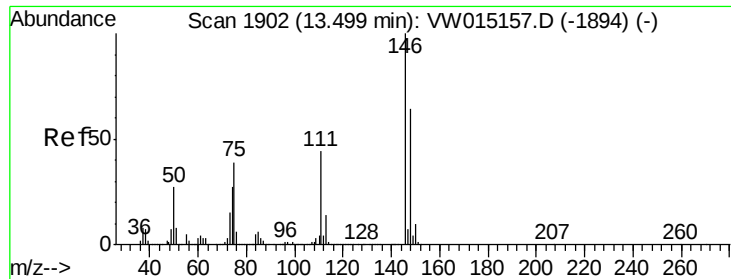
Ion Ratio Lower Upper

173 100

175 48.2 38.0 57.0

254 8.4 6.5 9.7

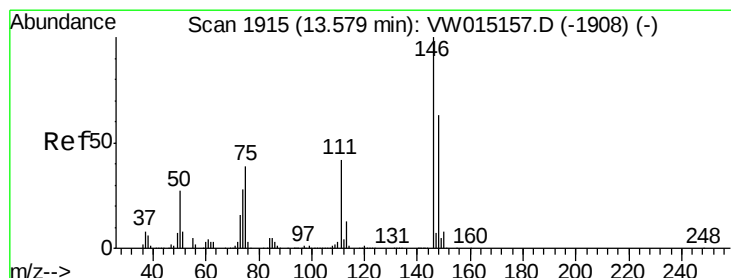
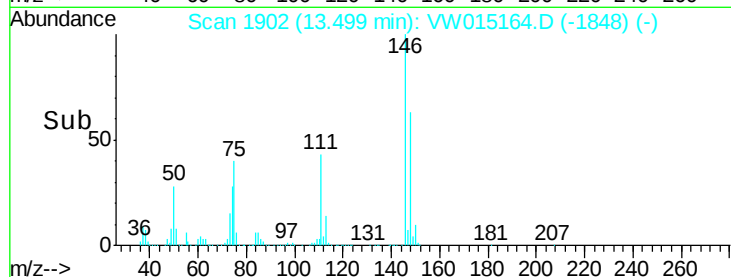
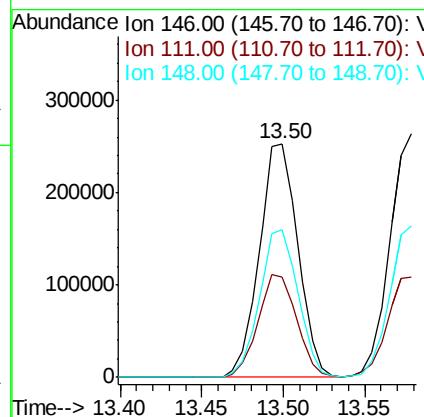
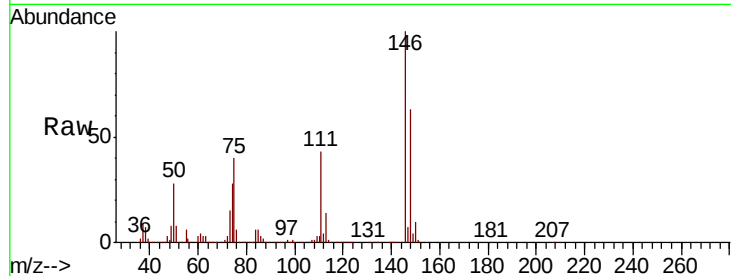




#63
 1,3-Dichlorobenzene
 Concen: 25.391 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015164.D
 Acq: 08 Apr 2020 09:13

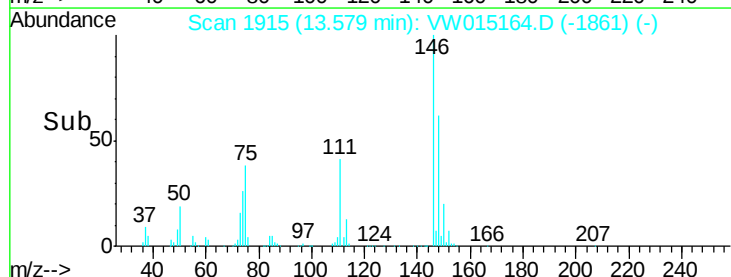
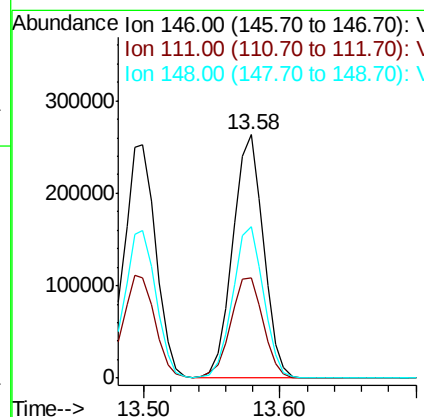
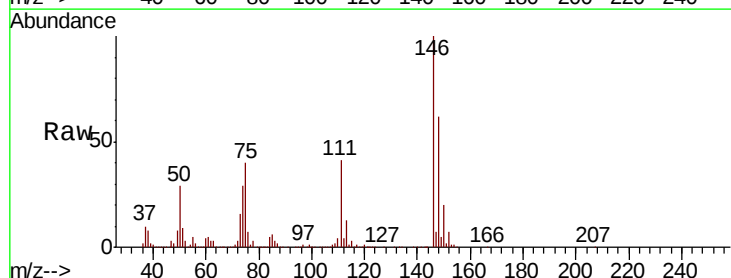
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB20

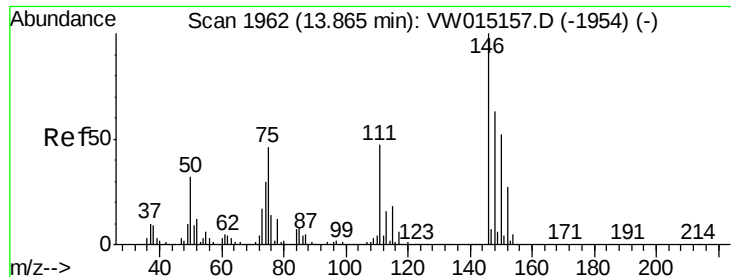
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	31.9	59.2
148	63.4	45.2	84.0



#64
 1,4-Dichlorobenzene
 Concen: 24.718 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015164.D
 Acq: 08 Apr 2020 09:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	28.8	53.4
148	62.2	44.0	81.6





#65

1,2-Dichlorobenzene

Concen: 25.154 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

BFB20

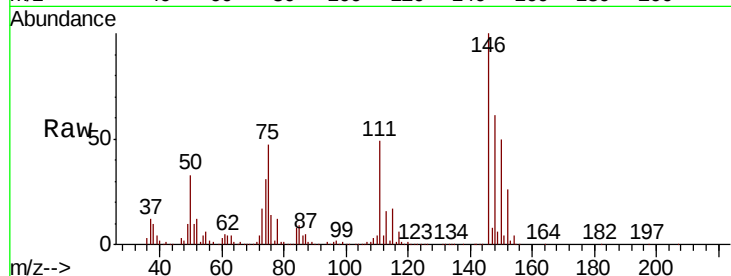
Tot Ion:146 Resp: 373012

Ion Ratio Lower Upper

146 100

111 48.8 35.8 53.8

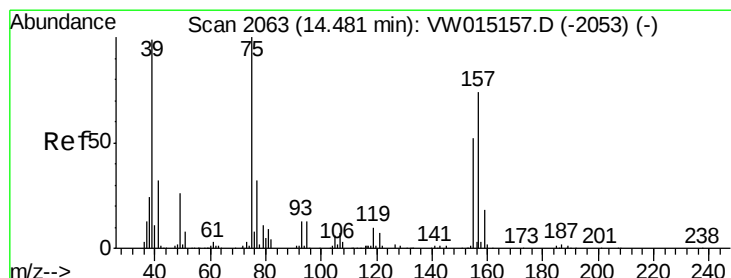
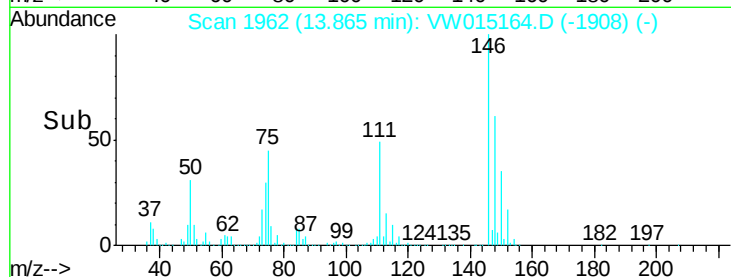
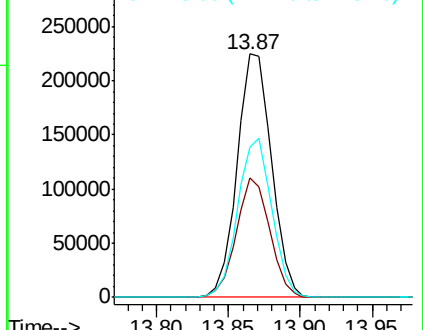
148 61.5 52.3 78.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 27.431 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

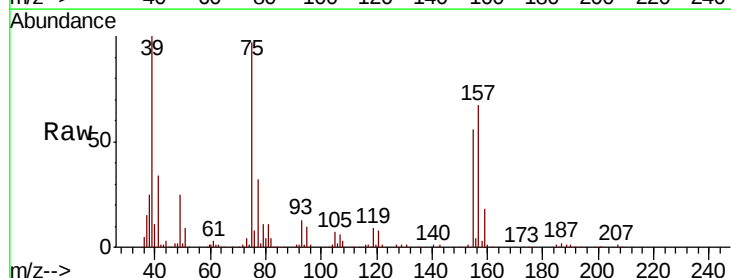
Tgt Ion: 75 Resp: 38748

Ion Ratio Lower Upper

75 100

157 69.2 57.3 85.9

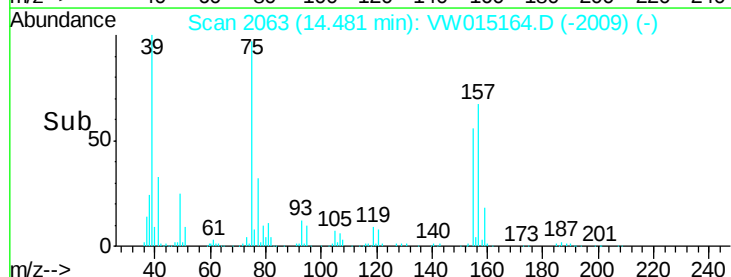
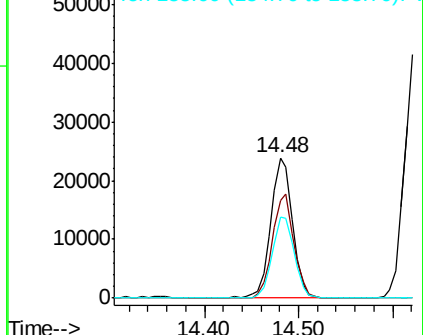
155 57.9 43.2 64.8

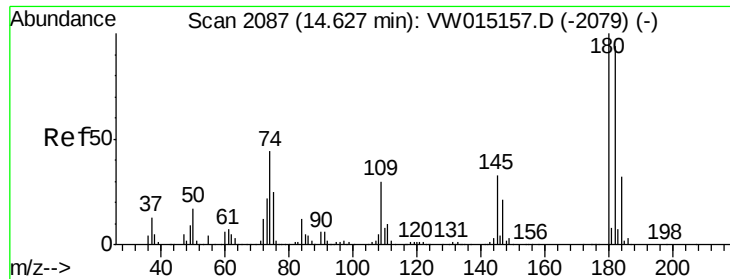


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

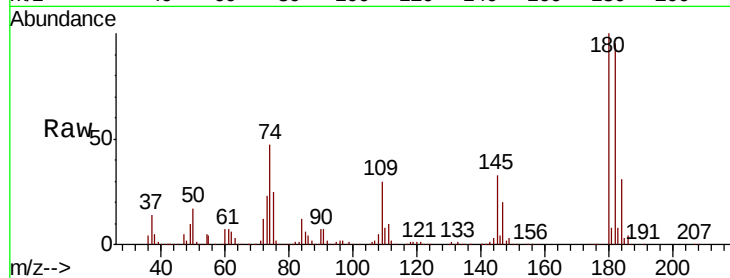




#67
 1,3,5-Trichlorobenzene
 Concen: 26.295 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015164.D
 Acq: 08 Apr 2020 09:13

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB20

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.0	115.6
184	30.6	24.0	36.0
145	31.4	25.4	38.2



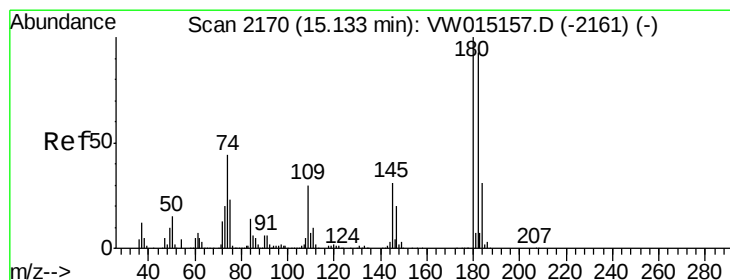
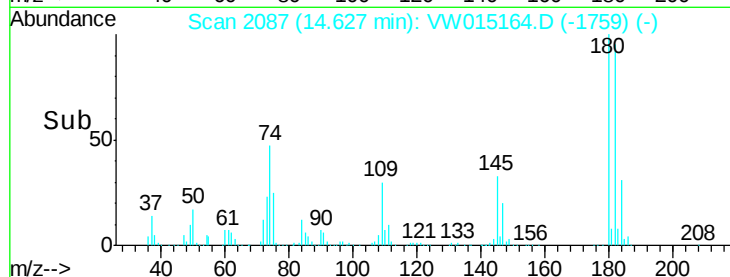
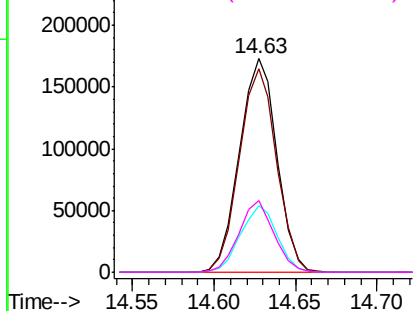
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

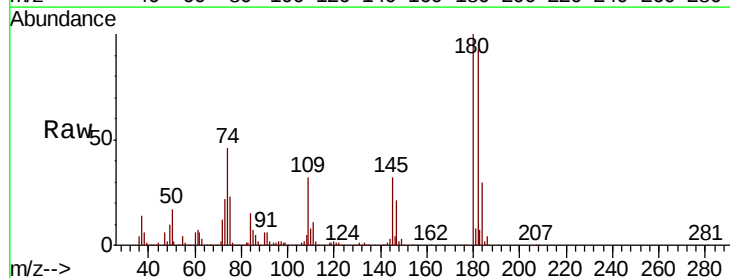
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.594 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015164.D
 Acq: 08 Apr 2020 09:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	75.8	113.6
145	31.8	25.8	38.6

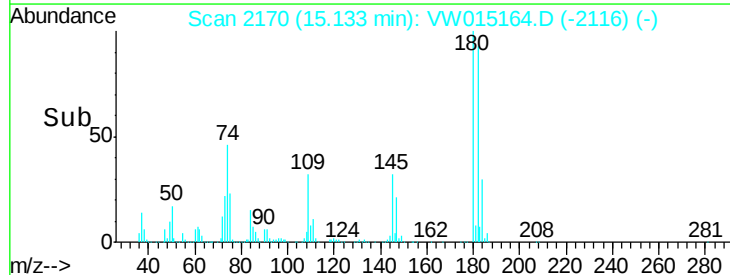
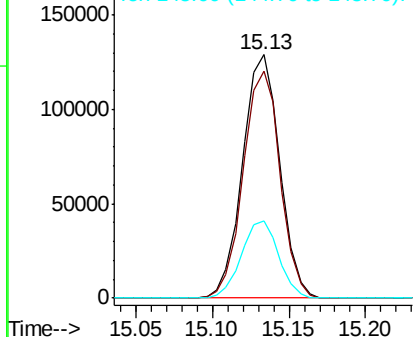


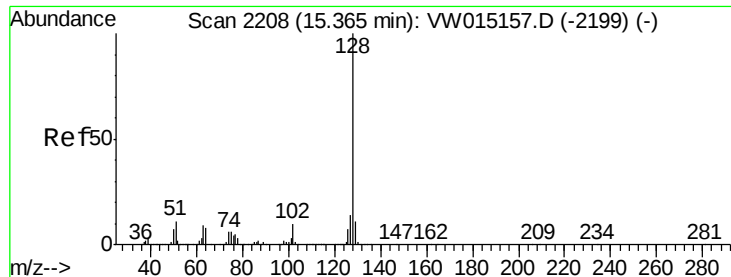
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 31.000 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

Instrument :

MSVOA_W

ClientSampleId :

BFB20

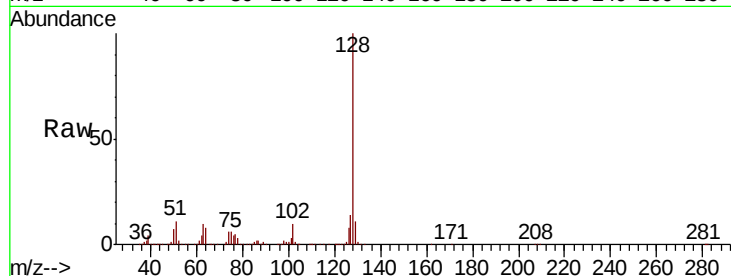
Tot Ion:128 Resp: 476571

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

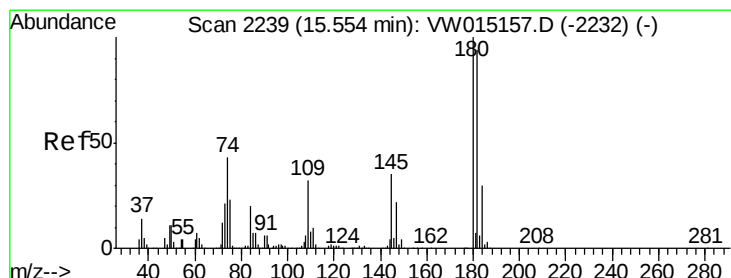
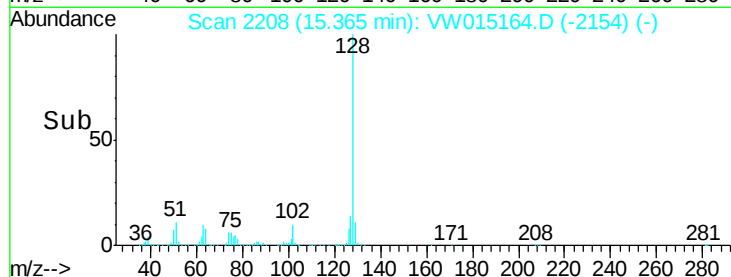
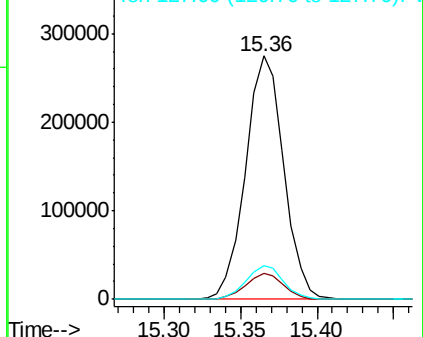
127 13.7 11.0 16.4



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: 27.766 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015164.D

Acq: 08 Apr 2020 09:13

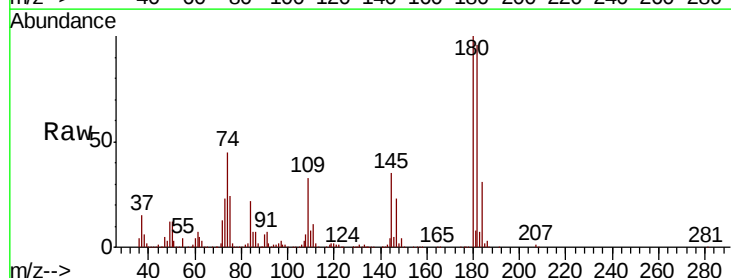
Tgt Ion:180 Resp: 204012

Ion Ratio Lower Upper

180 100

182 95.0 75.9 113.9

145 35.7 27.6 41.4



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

