

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101920\
 Data File : VW016937.D
 Acq On : 19 Oct 2020 09:20
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: Oct 20 08:46:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 19 05:38:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	538071	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	481902	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	241779	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	118529	22.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.32%
7) Chloroethane-d5	2.90	69	106508	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.68%
10) 1,1-Dichloroethene-d2	4.03	63	280387	24.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.52%
20) 2-Butanone-d5	7.08	46	67090	55.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.60%
24) Chloroform-d	7.65	84	303972	26.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.08%
26) 1,2-Dichloroethane-d4	8.31	65	142201	25.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.72%
29) Benzene-d6	8.27	84	565796	25.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.40%
33) 1,2-Dichloropropane-d6	9.27	67	162459	27.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.48%
37) Toluene-d8	10.33	98	529805	25.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.60%
38) trans-1,3-Dichloropropene-	10.58	79	70722	27.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.04%
39) 2-Hexanone-d5	10.93	63	55770	61.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	136773	28.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	201684	26.30	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	144498	22.468	ug/L 98
3) Chloromethane	2.21	50	131921	23.270	ug/L 99
5) Vinyl chloride	2.37	62	200849	27.290	ug/L 98
6) Bromomethane	2.79	94	134822	24.918	ug/L 99
8) Chloroethane	2.93	64	120793	26.592	ug/L 96
9) Trichlorofluoromethane	3.27	101	167588	29.471	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	195451	26.980	ug/L 98
12) 1,1-Dichloroethene	4.04	96	186676	26.833	ug/L 100
13) Acetone	4.14	43	47119	51.788	ug/L 98
14) Carbon disulfide	4.38	76	527177	26.428	ug/L 99
15) Methyl Acetate	4.68	43	59968	27.586	ug/L 98
16) Methylene chloride	4.92	84	180164	24.262	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	216555	27.817	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	192811	26.530	ug/L 95
19) 1,1-Dichloroethane	6.22	63	309405	27.645	ug/L 99
21) 2-Butanone	7.18	43	75638	49.521	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	200900	27.091	ug/L 94

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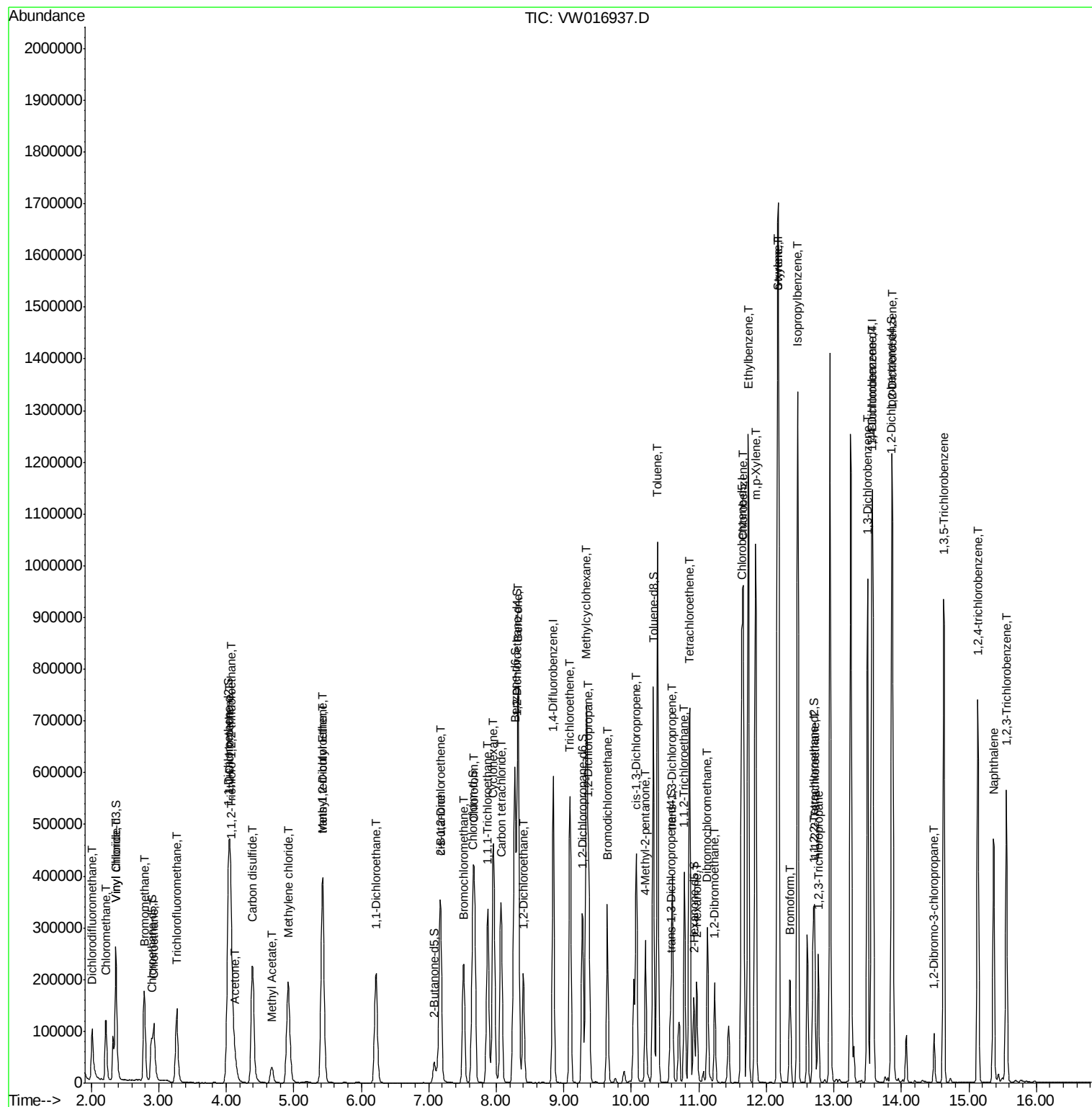
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	94389	27.104	ug/L	99
25) Chloroform	7.68	83	330294	27.328	ug/L	99
27) 1,2-Dichloroethane	8.40	62	192445	26.617	ug/L	99
30) Cyclohexane	7.96	56	268328	26.850	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	286104	27.918	ug/L	99
32) Carbon tetrachloride	8.07	117	277560	27.754	ug/L	99
34) Benzene	8.32	78	717019	27.707	ug/L	100
35) Trichloroethene	9.09	95	199122	27.202	ug/L	100
36) Methylcyclohexane	9.34	83	326092	26.494	ug/L	100
40) 1,2-Dichloropropane	9.37	63	165307	28.249	ug/L	100
41) Bromodichloromethane	9.65	83	230256	28.009	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	268453	28.773	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	169245	57.448	ug/L	100
44) Toluene	10.39	91	793215	27.630	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	226733	28.879	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	135982	28.586	ug/L	98
47) Tetrachloroethene	10.87	164	178430	26.292	ug/L	97
49) 2-Hexanone	10.97	43	114402	58.832	ug/L	99
50) Dibromochloromethane	11.13	129	169432	28.650	ug/L	97
51) 1,2-Dibromoethane	11.24	107	129701	27.745	ug/L	99
52) Chlorobenzene	11.66	112	523231	27.157	ug/L	98
53) Ethylbenzene	11.73	91	888529	27.589	ug/L	98
54) m,p-Xylene	11.84	106	346945	27.699	ug/L	98
55) o-xylene	12.16	106	326420	27.276	ug/L	99
56) Styrene	12.18	104	566101	28.666	ug/L	99
57) Isopropylbenzene	12.46	105	902672	27.546	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	148830	28.310	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	105905	27.808	ug/L	99
62) Bromoform	12.35	173	98942	29.091	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	417222	27.114	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	413621	26.878	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	380068	27.587	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	22523	26.951	ug/L	83
67) 1,3,5-Trichlorobenzene	14.63	180	317479	27.757	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	251337	26.754	ug/L	97
69) Naphthalene	15.36	128	431581	27.742	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	219973	27.249	ug/L	100

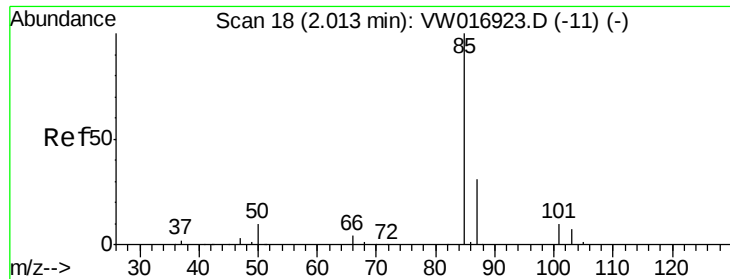
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.468 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016937.D

Acq: 19 Oct 2020 09:20

Instrument :

MSVOA_W

ClientSampleId :

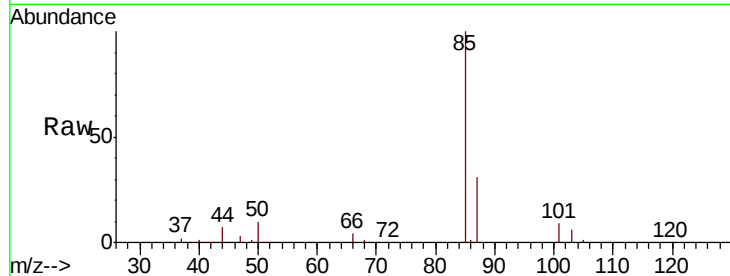
BFB

Tot Ion: 85 Resp: 144498

Ion Ratio Lower Upper

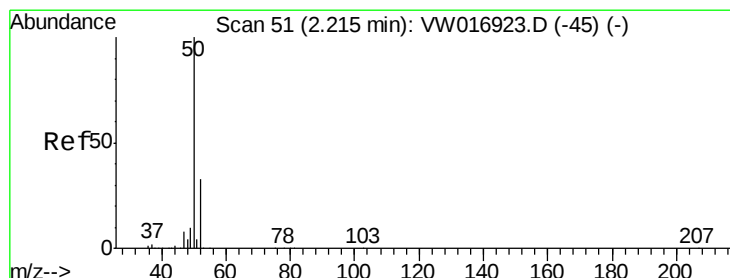
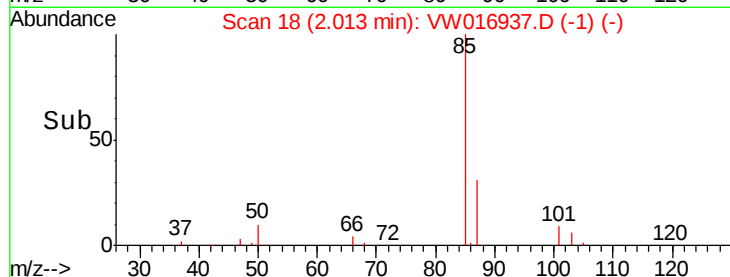
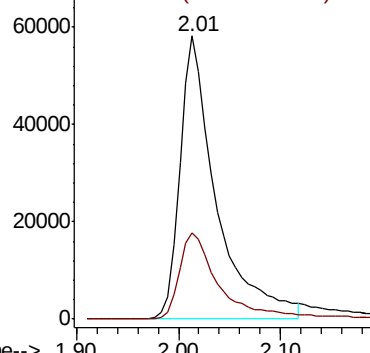
85 100

87 30.1 20.4 37.8



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.270 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016937.D

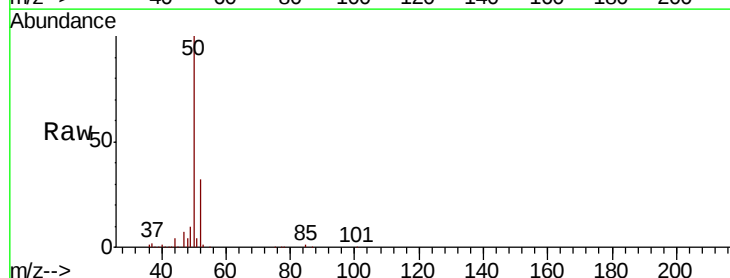
Acq: 19 Oct 2020 09:20

Tgt Ion: 50 Resp: 131921

Ion Ratio Lower Upper

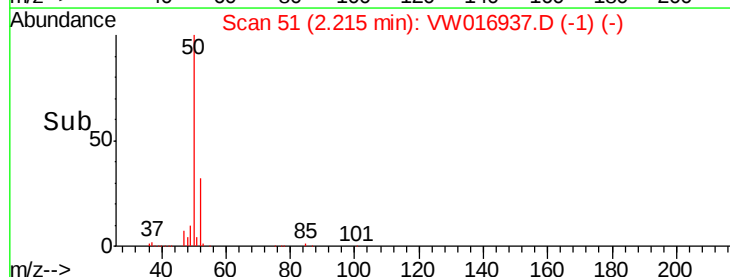
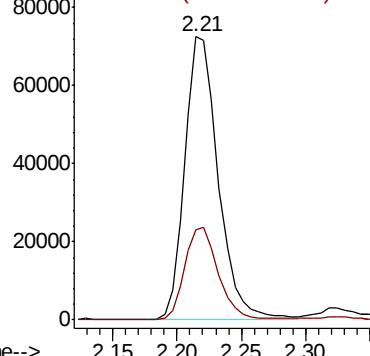
50 100

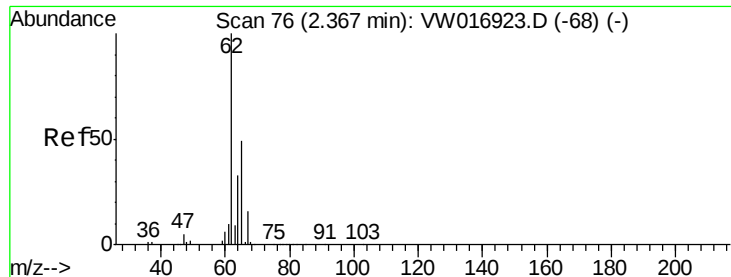
52 32.0 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 27.290 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016937.D

Acq: 19 Oct 2020 09:20

Instrument :

MSVOA_W

ClientSampleId :

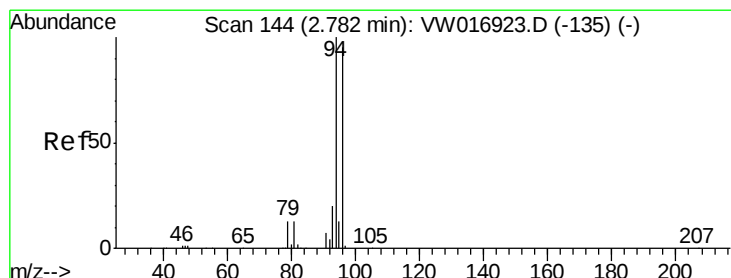
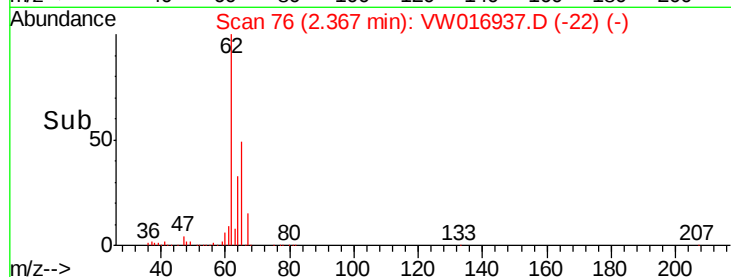
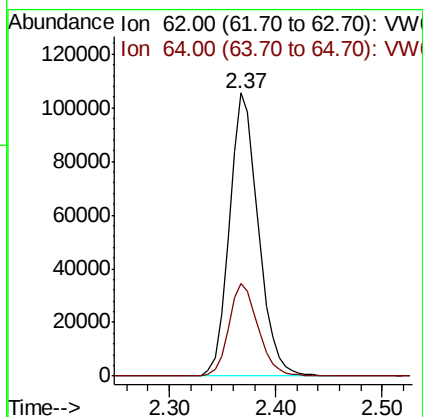
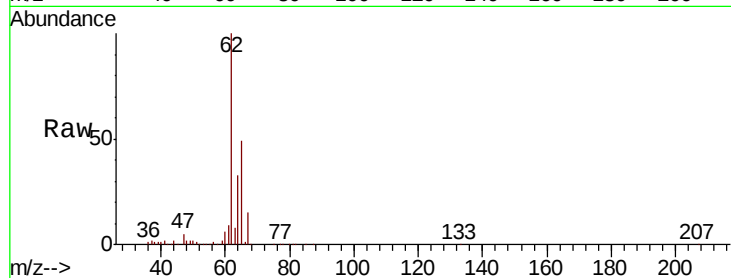
BFB

Tot Ion: 62 Resp: 200849

Ion Ratio Lower Upper

62 100

64 32.6 23.5 43.7



#6

Bromomethane

Concen: 24.918 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW016937.D

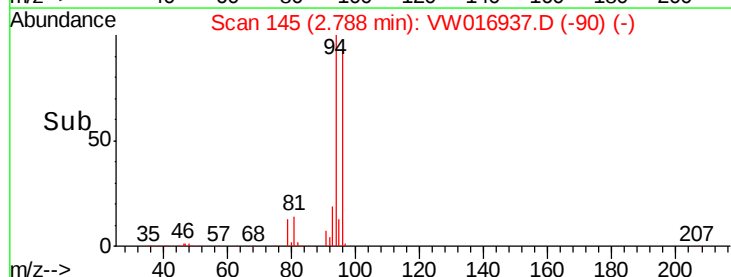
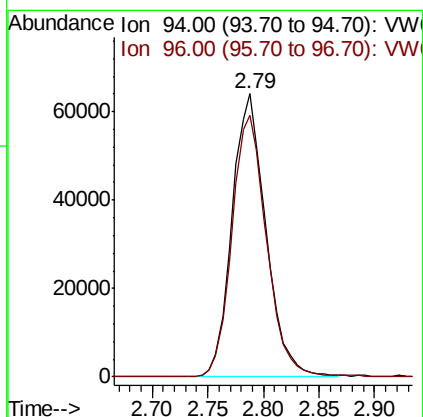
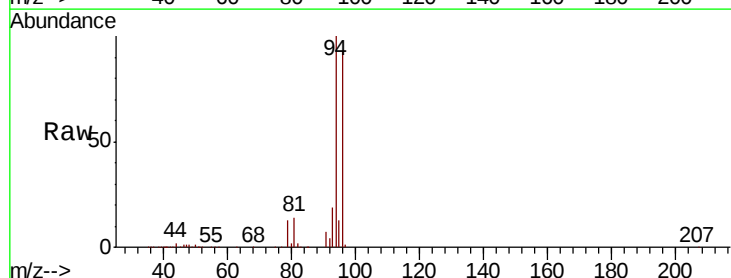
Acq: 19 Oct 2020 09:20

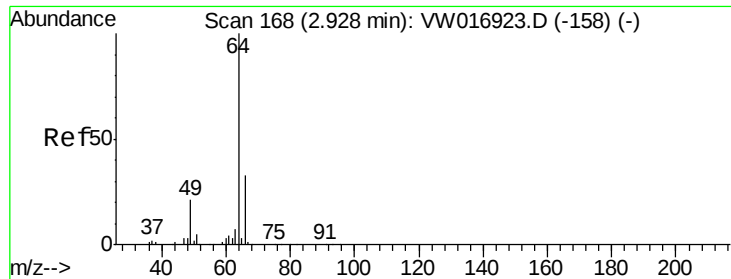
Tgt Ion: 94 Resp: 134822

Ion Ratio Lower Upper

94 100

96 94.2 9.5 180.7

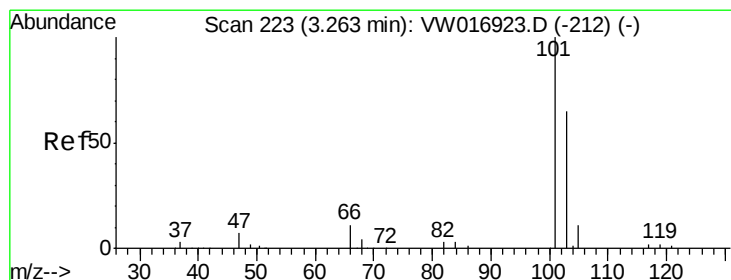
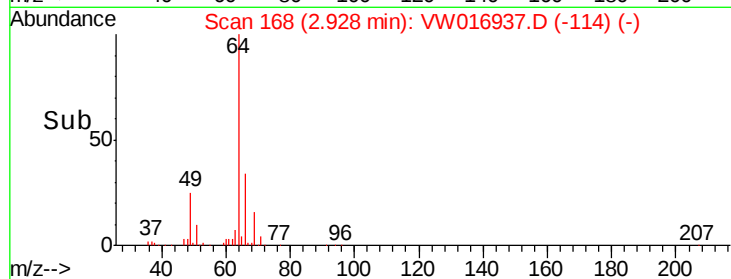
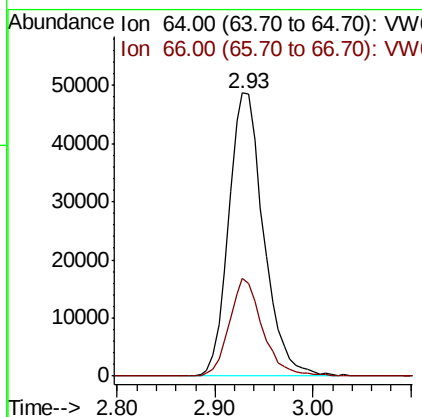
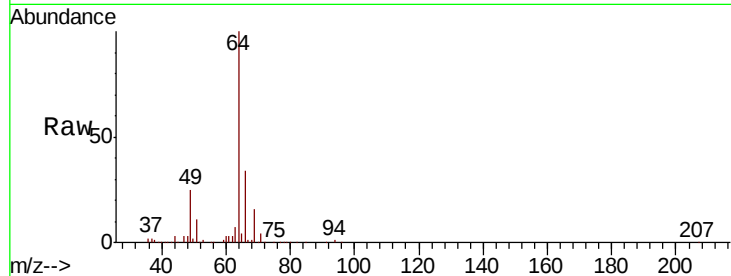




#8
Chloroethane
Concen: 26.592 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.00 min
Lab File: VW016937.D
Acq: 19 Oct 2020 09:20

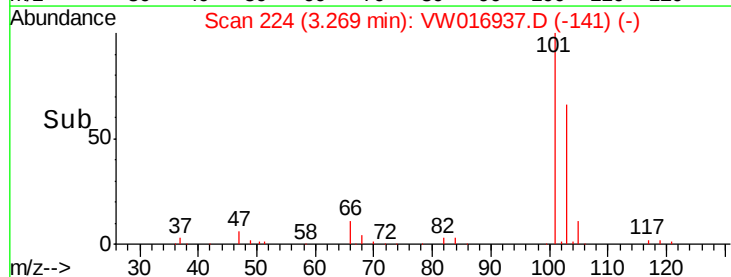
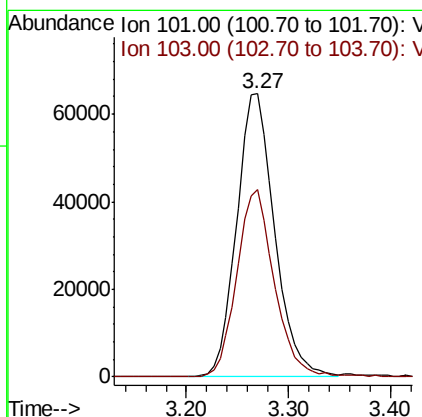
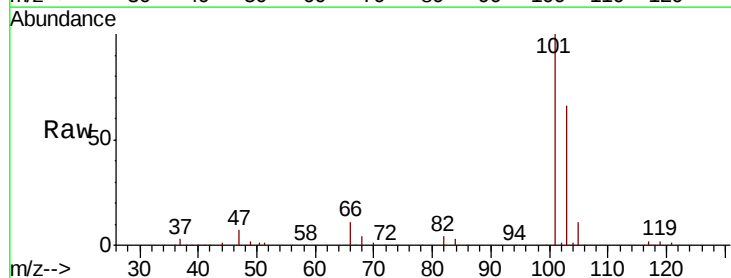
Instrument :
MSVOA_W
ClientSampled :
BFB

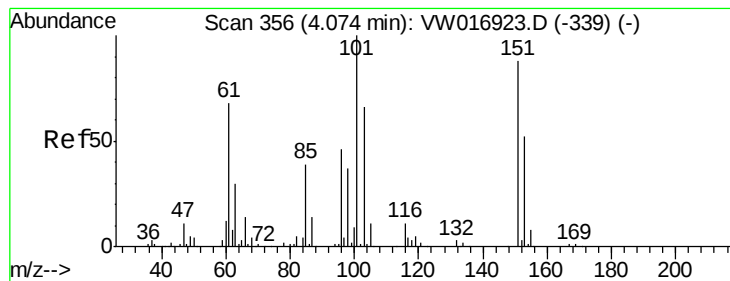
Tot Ion: 64 Resp: 120793
Ion Ratio Lower Upper
64 100
66 34.5 22.5 41.7



#9
Trichlorofluoromethane
Concen: 29.471 ug/L
RT: 3.27 min Scan# 224
Delta R.T. 0.01 min
Lab File: VW016937.D
Acq: 19 Oct 2020 09:20

Tgt Ion:101 Resp: 167588
Ion Ratio Lower Upper
101 100
103 65.0 45.2 84.0





#11

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

Concen: 26.980 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.00 min

Lab File: VW016937.D

Acq: 19 Oct 2020 09:20

Instrument :

MSVOA_W

ClientSampleId :

BFB

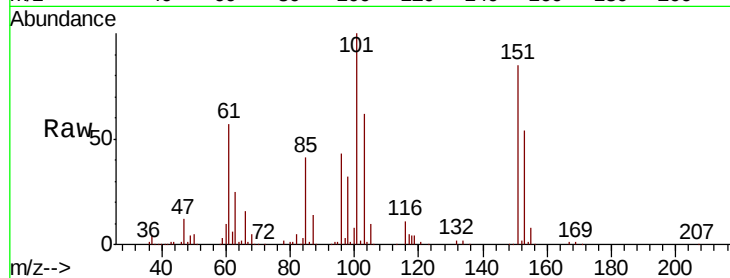
Tot Ion:101 Resp: 195451

Ion Ratio Lower Upper

101 100

85 40.6 31.7 47.5

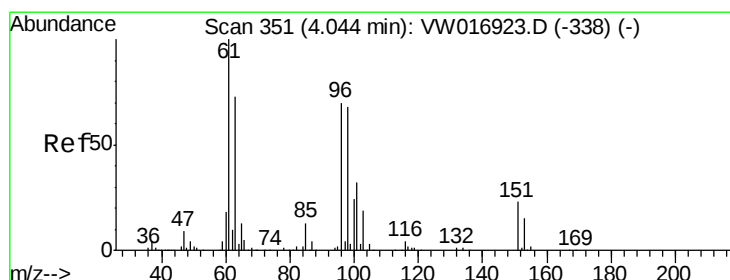
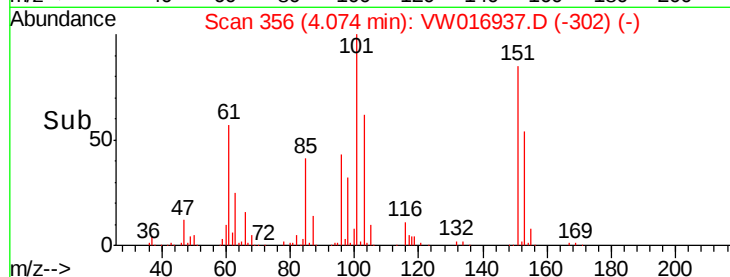
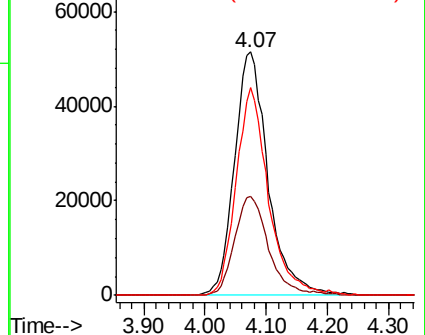
151 81.4 66.6 99.8



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: 26.833 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW016937.D

Acq: 19 Oct 2020 09:20

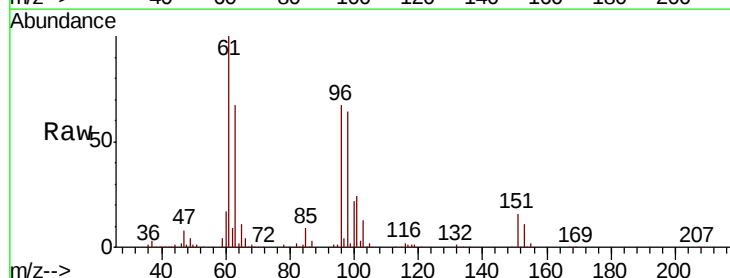
Tgt Ion: 96 Resp: 186676

Ion Ratio Lower Upper

96 100

61 150.0 105.1 195.1

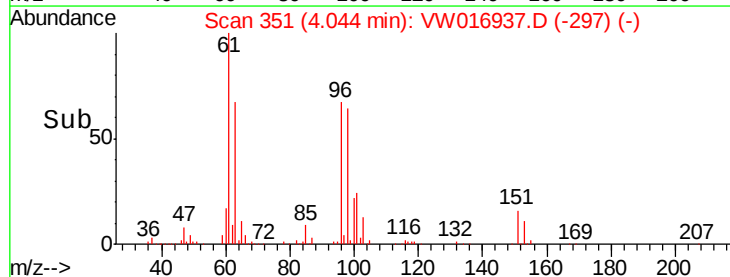
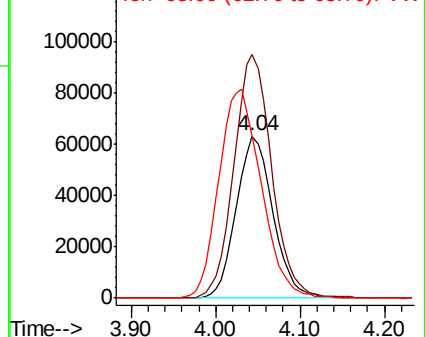
63 100.1 69.9 129.7

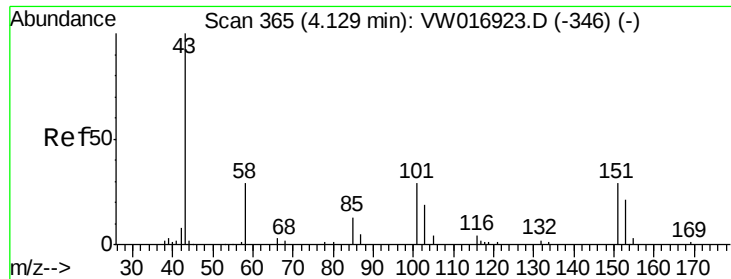


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.788 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW016937.D

Acq: 19 Oct 2020 09:20

Instrument :

MSVOA_W

ClientSampled :

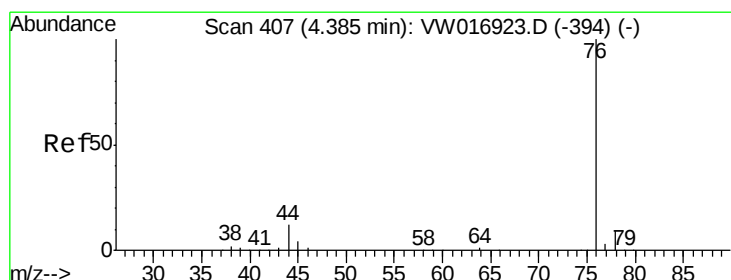
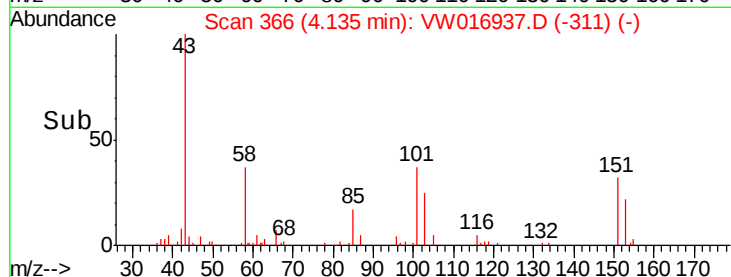
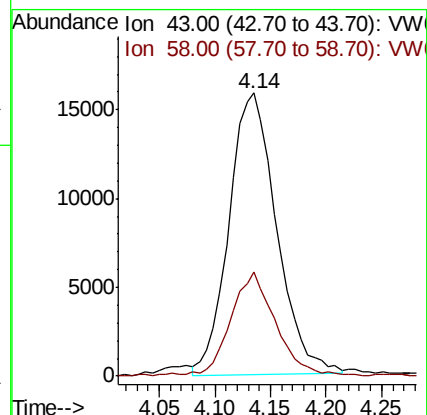
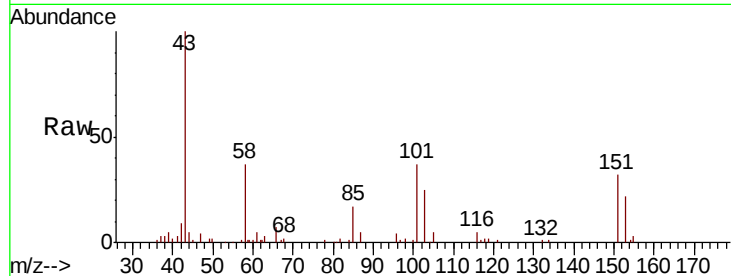
BFB

Tot Ion: 43 Resp: 47119

Ion Ratio Lower Upper

43 100

58 32.8 0.0 67.6



#14

Carbon disulfide

Concen: 26.428 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW016937.D

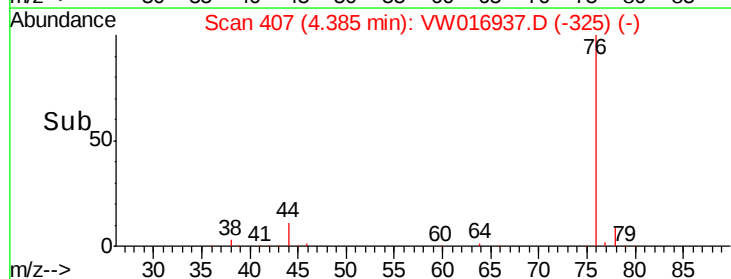
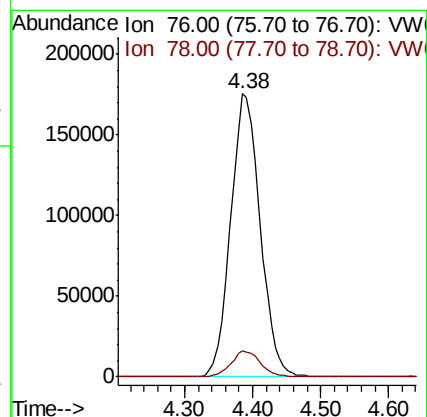
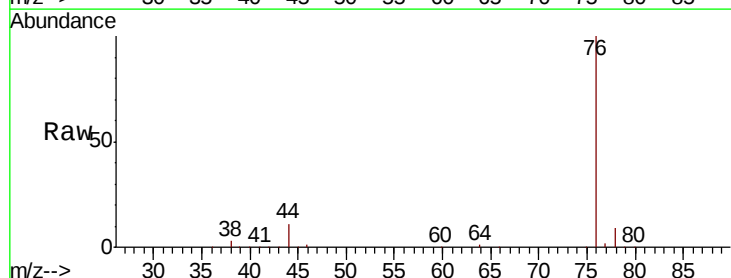
Acq: 19 Oct 2020 09:20

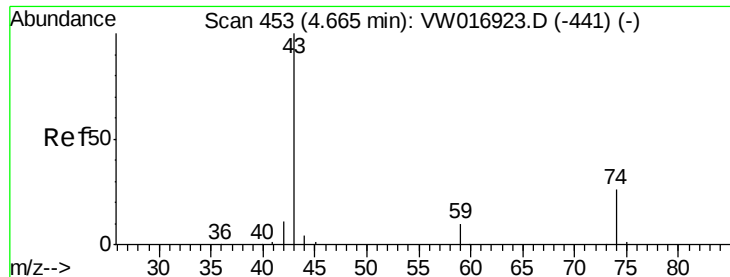
Tgt Ion: 76 Resp: 527177

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

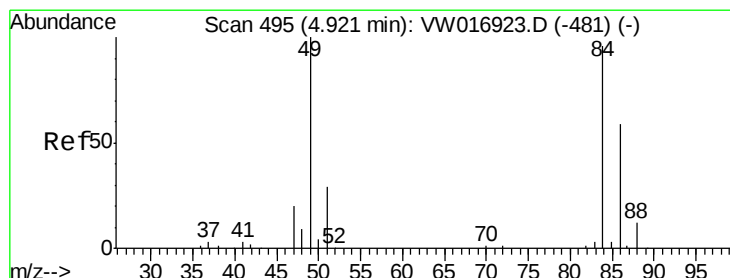
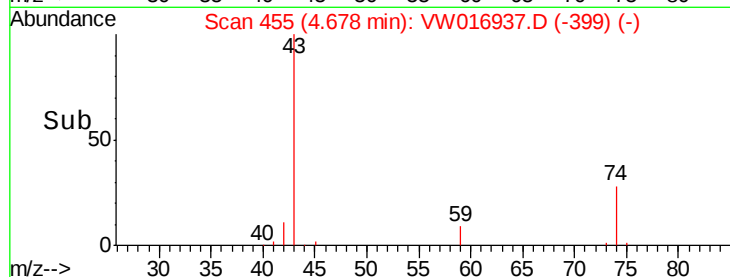
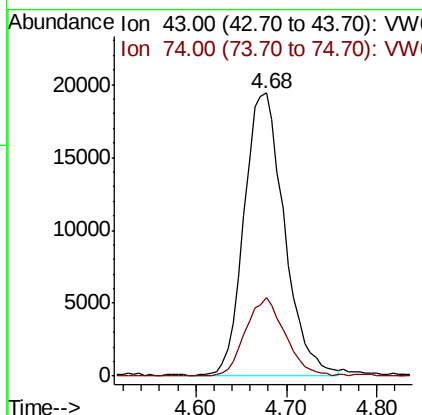
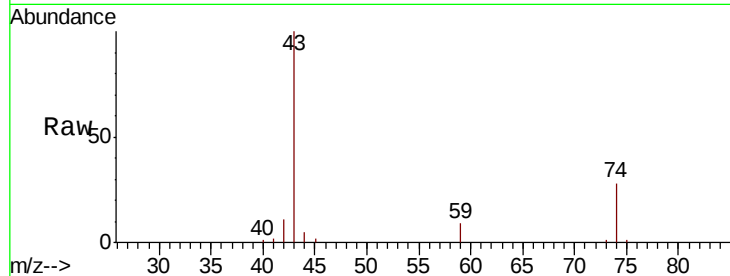




#15
Methyl Acetate
Concen: 27.586 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW016937.D
Acq: 19 Oct 2020 09:20

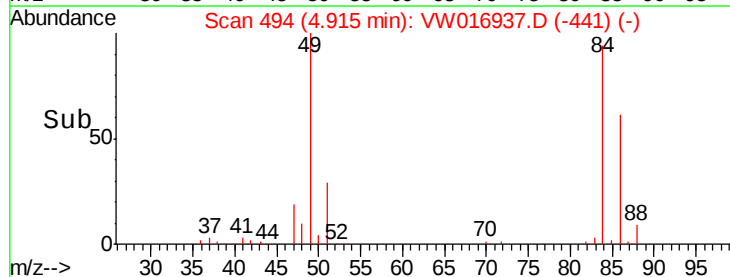
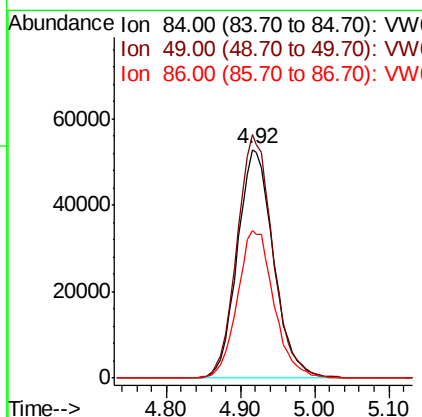
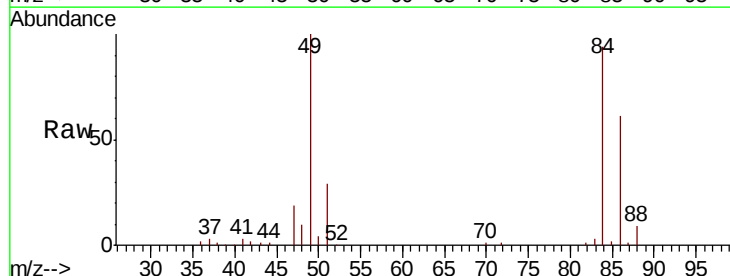
Instrument :
MSVOA_W
ClientSampleId :
BFB

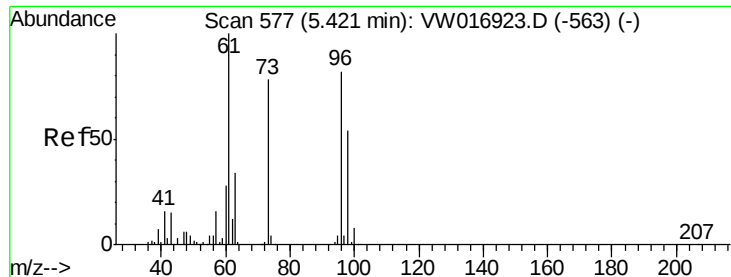
Tot Ion: 43 Resp: 59968
Ion Ratio Lower Upper
43 100
74 27.2 22.7 34.1



#16
Methylene chloride
Concen: 24.262 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW016937.D
Acq: 19 Oct 2020 09:20

Tgt Ion: 84 Resp: 180164
Ion Ratio Lower Upper
84 100
49 106.6 73.1 135.8
86 64.9 46.0 85.4

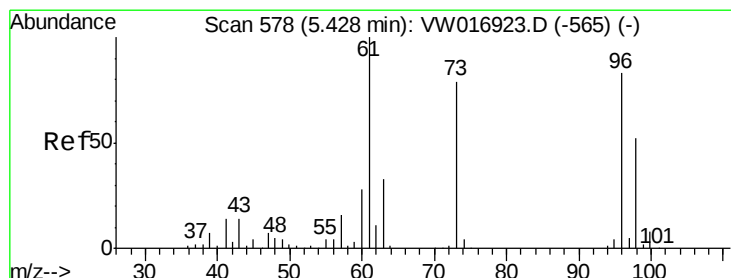
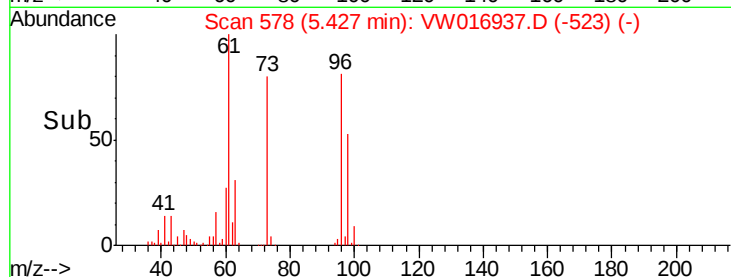
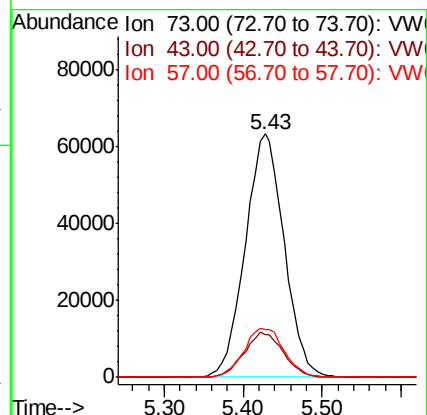
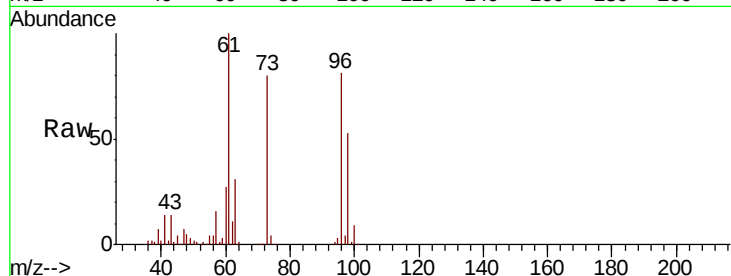




#17
Methvl tert-butvl Ether
Concen: 27.817 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW016937.D
Acq: 19 Oct 2020 09:20

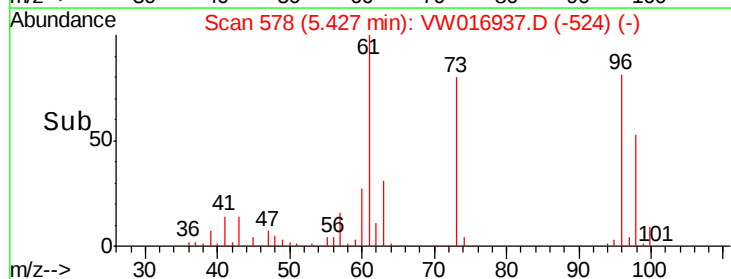
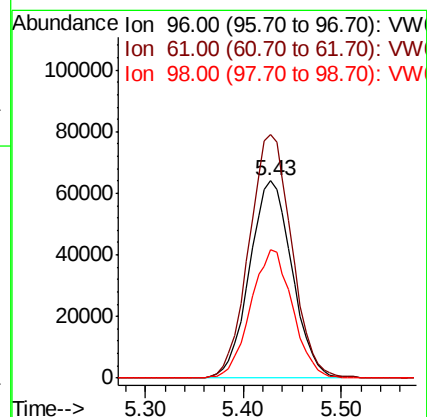
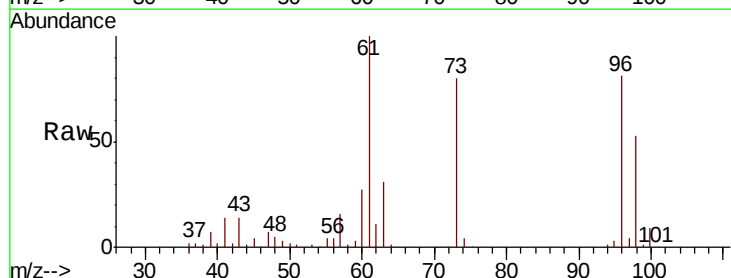
Instrument :
MSVOA_W
ClientSampleId :
BFB

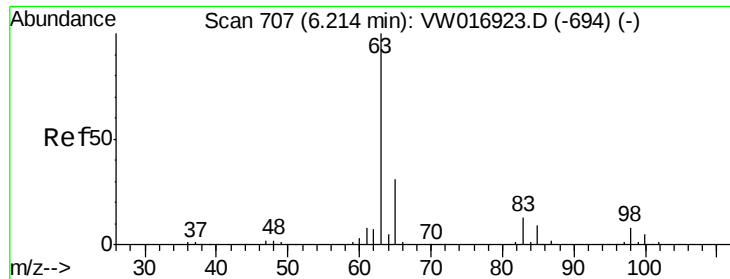
Tot Ion: 73 Resp: 21655
Ion Ratio Lower Upper
73 100
43 18.7 15.0 22.4
57 20.9 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 26.530 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW016937.D
Acq: 19 Oct 2020 09:20

Tgt Ion: 96 Resp: 192811
Ion Ratio Lower Upper
96 100
61 123.3 82.5 153.3
98 65.3 43.3 80.5

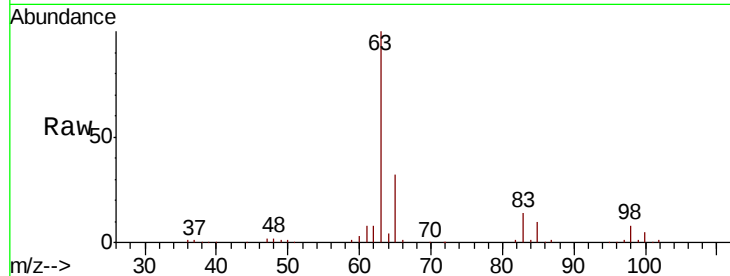




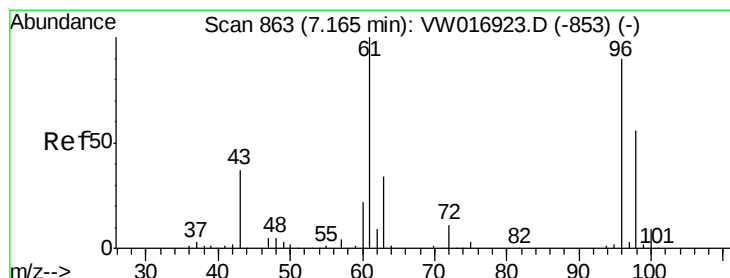
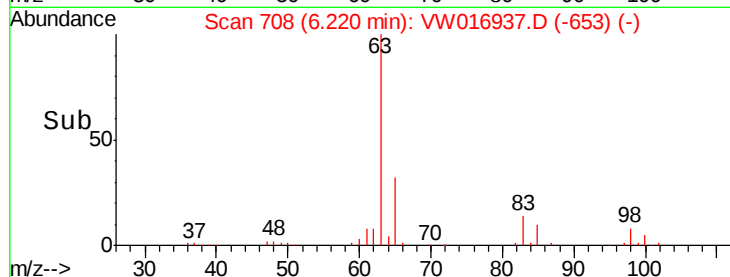
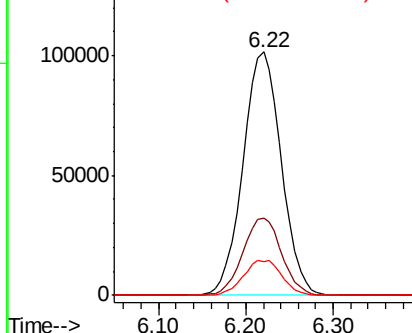
#19
 1,1-Dichloroethane
 Concen: 27.645 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW016937.D
 Acq: 19 Oct 2020 09:20

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tot Ion: 63 Resp: 309405
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.7 42.1
 83 13.6 9.9 18.5

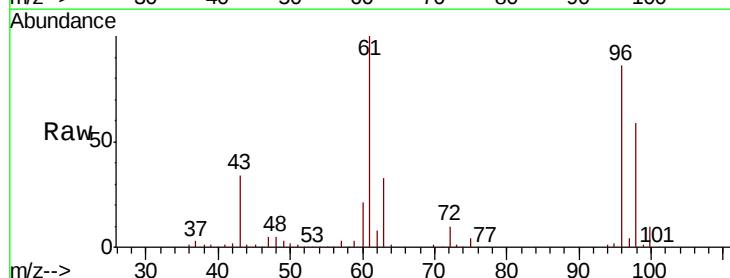


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

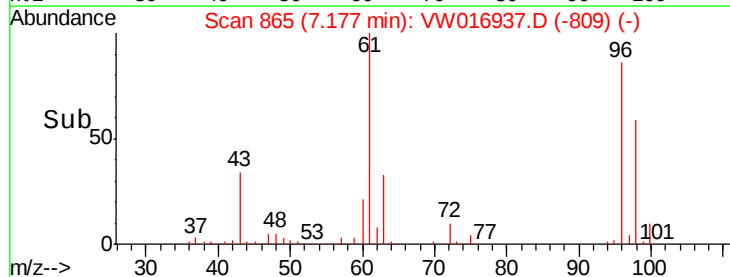
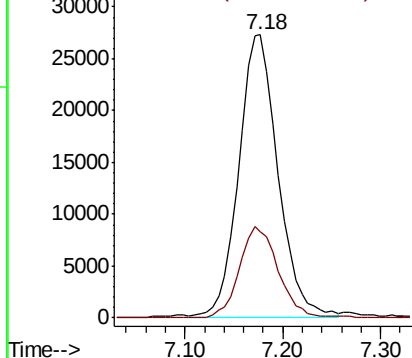


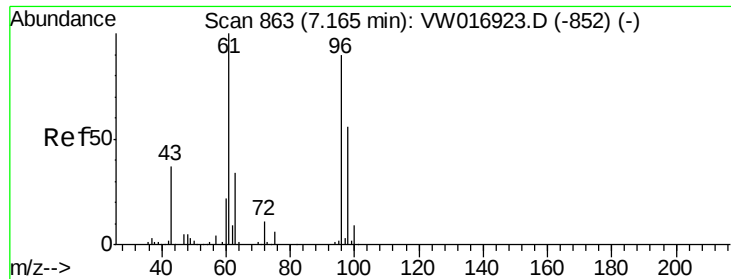
#21
 2-Butanone
 Concen: 49.521 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016937.D
 Acq: 19 Oct 2020 09:20

Tgt Ion: 43 Resp: 75638
 Ion Ratio Lower Upper
 43 100
 72 32.0 16.2 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 72.00 (71.70 to 72.70): VW



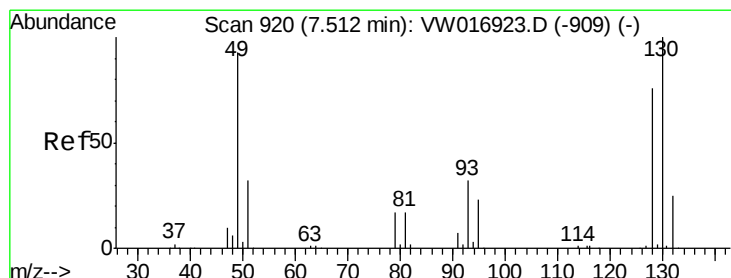
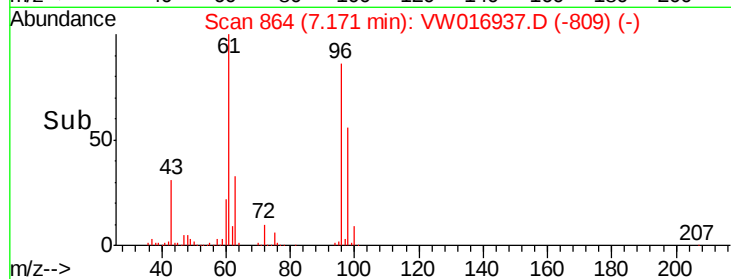
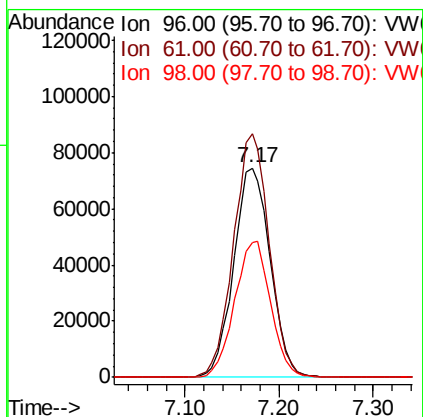
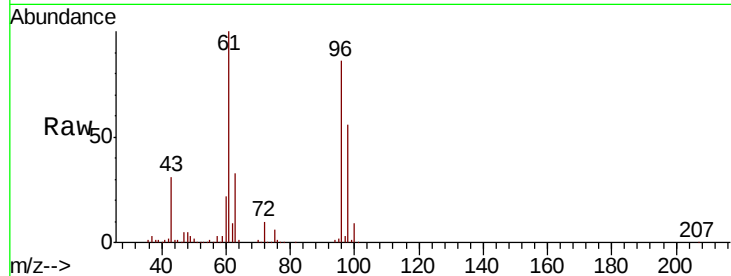


#22

cis-1,2-Dichloroethene
 Concen: 27.091 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW016937.D
 Acq: 19 Oct 2020 09:20

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

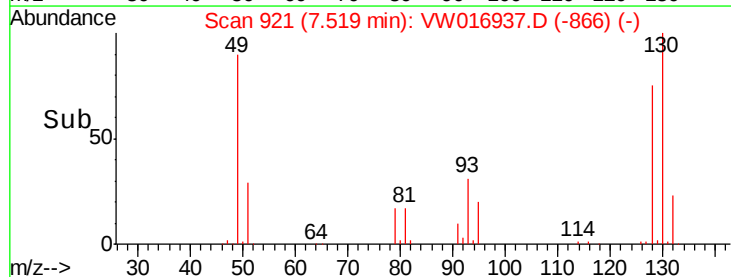
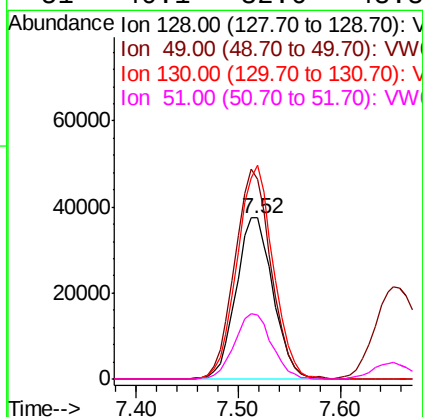
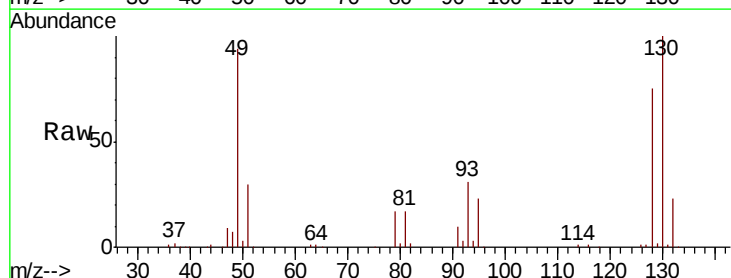
Tot Ion: 96 Resp: 200900
 Ion Ratio Lower Upper
 96 100
 61 116.2 76.0 141.2
 98 64.6 42.7 79.3

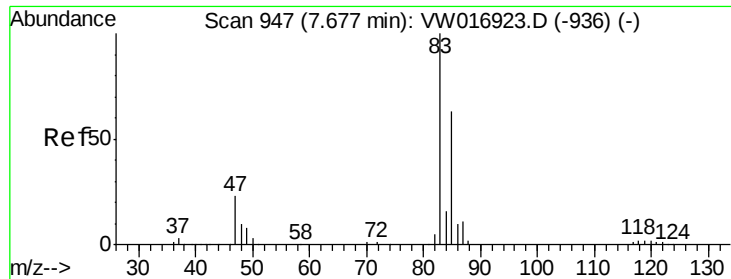


#23

Bromochloromethane
 Concen: 27.104 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW016937.D
 Acq: 19 Oct 2020 09:20

Tgt Ion: 128 Resp: 94389
 Ion Ratio Lower Upper
 128 100
 49 124.3 88.5 164.3
 130 132.8 92.9 172.5
 51 40.1 32.6 48.8

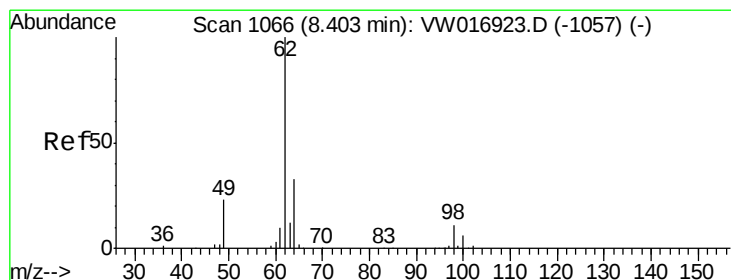
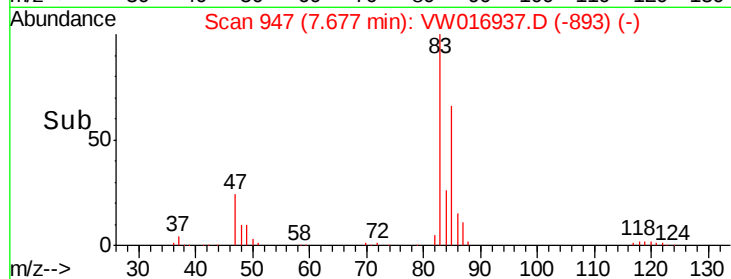
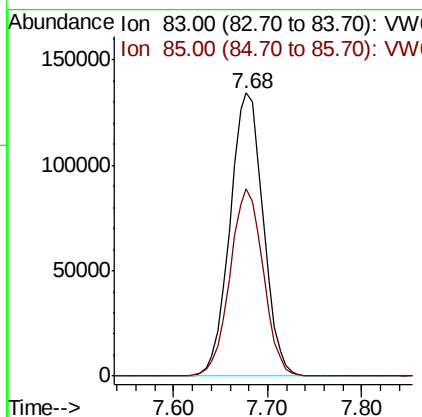
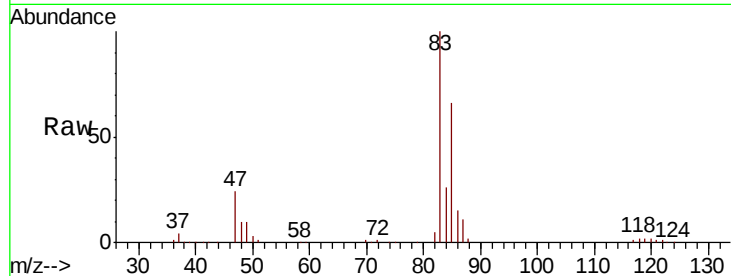




#25
Chloroform
Concen: 27.328 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016937.D
Acq: 19 Oct 2020 09:20

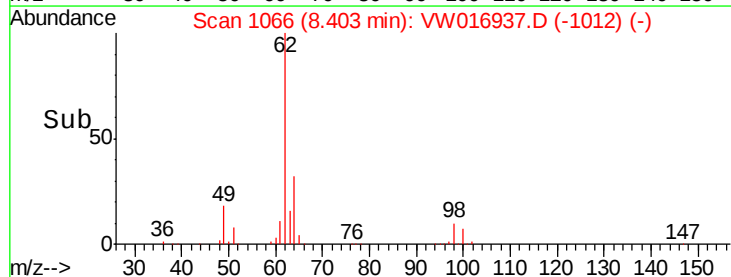
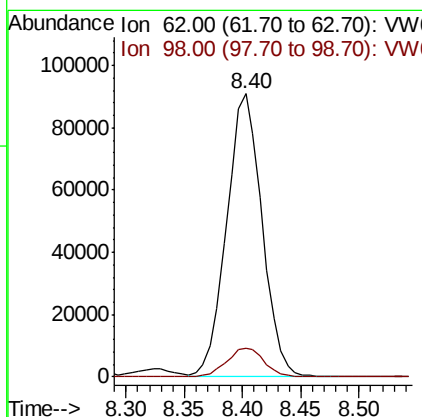
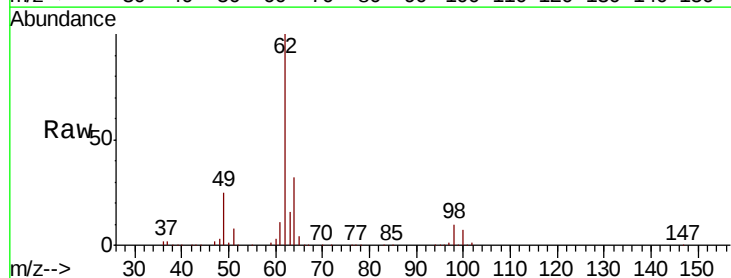
Instrument :
MSVOA_W
ClientSampleId :
BFB

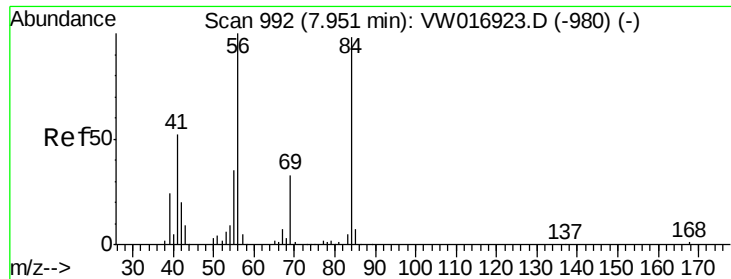
Tot Ion: 83 Resp: 330294
Ion Ratio Lower Upper
83 100
85 66.4 46.9 87.1



#27
1,2-Dichloroethane
Concen: 26.617 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016937.D
Acq: 19 Oct 2020 09:20

Tgt Ion: 62 Resp: 192445
Ion Ratio Lower Upper
62 100
98 10.4 8.6 12.8

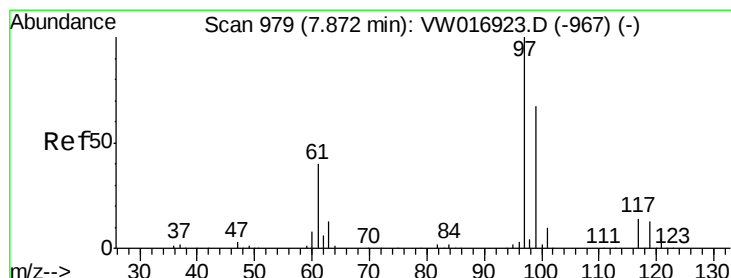
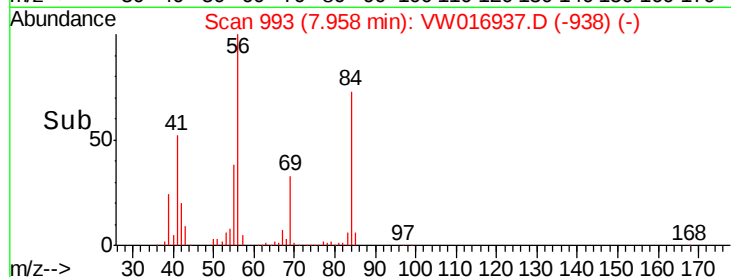
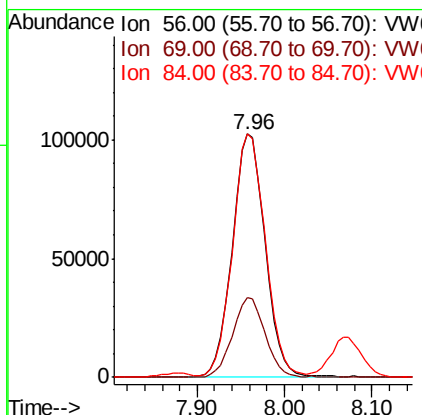
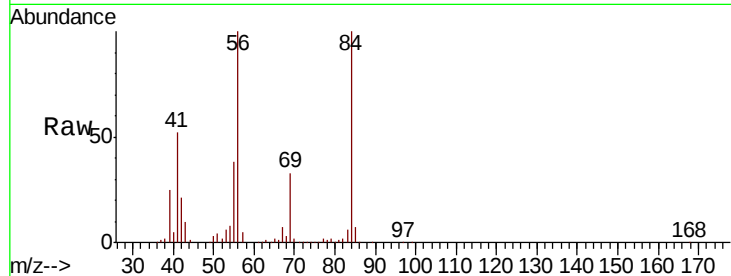




#30
Cyclohexane
Concen: 26.850 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW016937.D
Acq: 19 Oct 2020 09:20

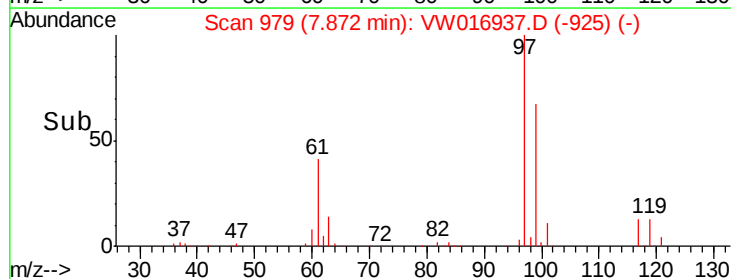
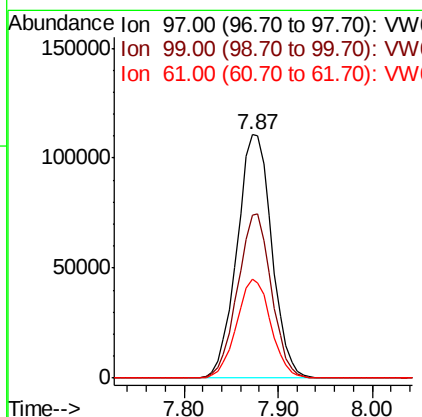
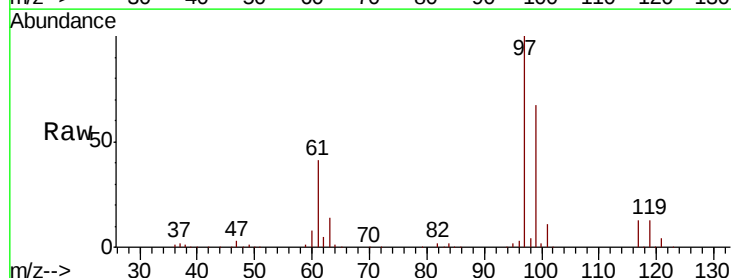
Instrument :
MSVOA_W
ClientSampled :
BFB

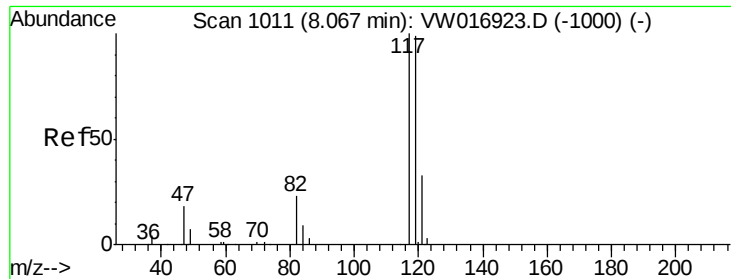
Tot Ion	56	Resp	268328
Ion Ratio	Lower	Upper	
56	100		
69	32.4	26.1	39.1
84	99.6	79.3	118.9



#31
1,1,1-Trichloroethane
Concen: 27.918 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW016937.D
Acq: 19 Oct 2020 09:20

Tgt Ion	97	Resp	286104
Ion Ratio	Lower	Upper	
97	100		
99	65.4	51.5	77.3
61	40.1	32.5	48.7





#32

Carbon tetrachloride

Concen: 27.754 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016937.D

Acq: 19 Oct 2020 09:20

Instrument :

MSVOA_W

ClientSampleId :

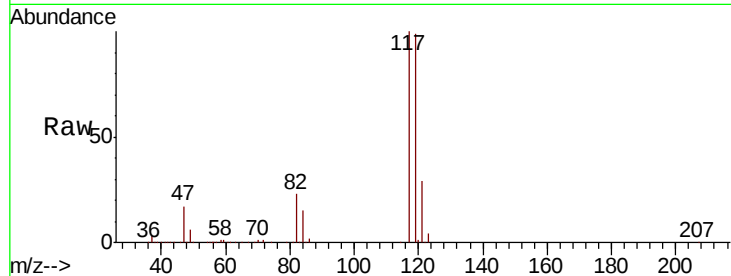
BFB

Tot Ion:117 Resp: 277560

Ion Ratio Lower Upper

117 100

119 97.8 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

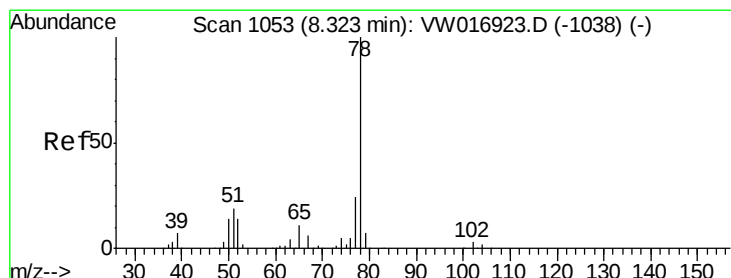
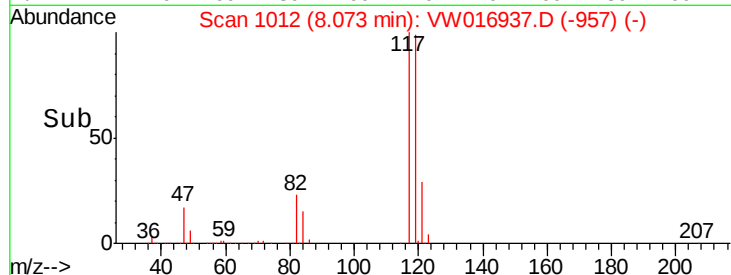
100000

50000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 27.707 ug/L

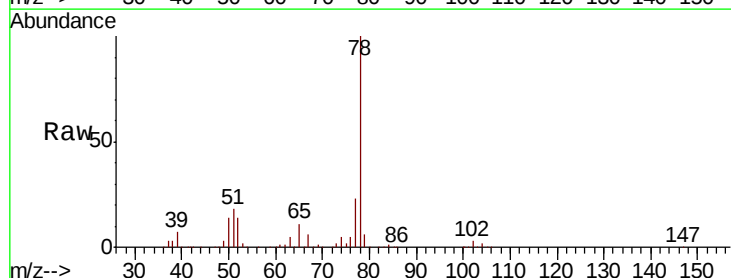
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW016937.D

Acq: 19 Oct 2020 09:20

Tgt Ion: 78 Resp: 717019



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

300000

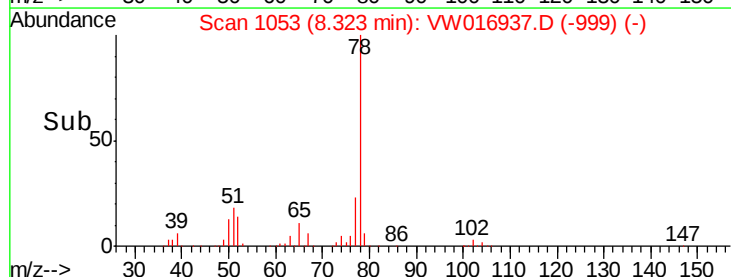
200000

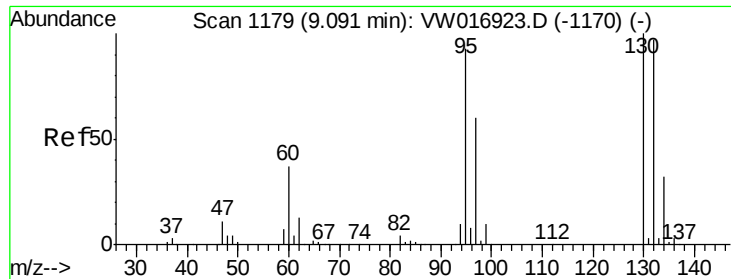
100000

0

Time-->

8.20 8.30 8.40

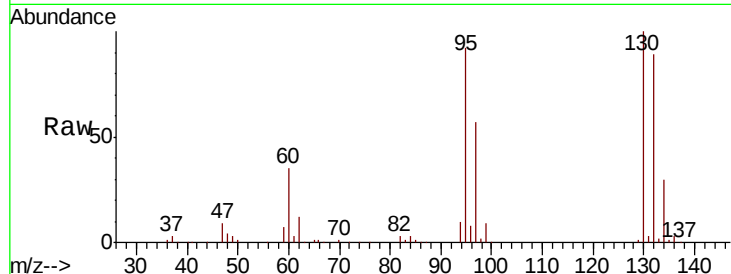




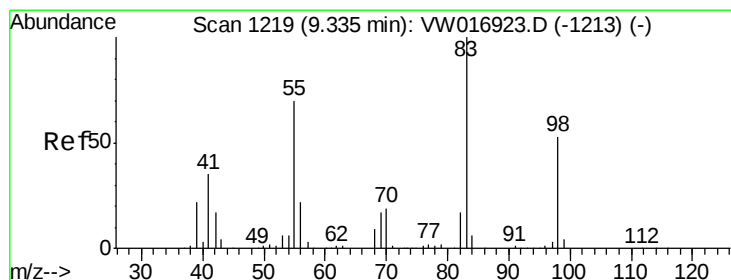
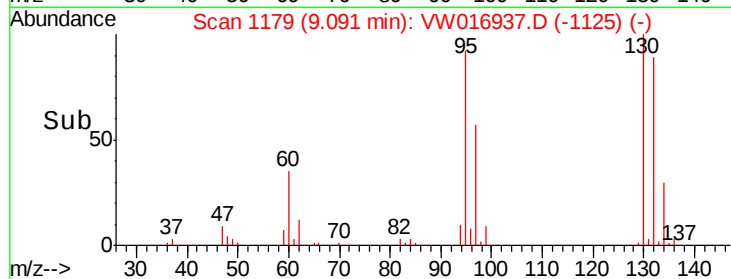
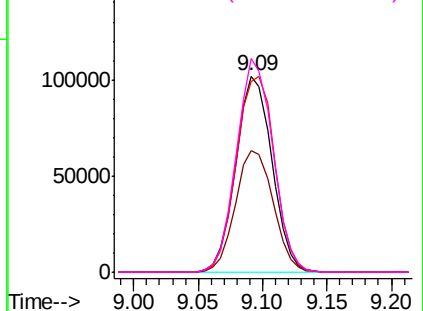
#35
 Trichloroethene
 Concen: 27.202 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW016937.D
 Acq: 19 Oct 2020 09:20

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tot Ion: 95 Resp: 199122
 Ion Ratio Lower Upper
 95 100
 97 64.8 44.7 83.1
 132 105.3 73.8 137.2
 130 109.8 77.1 143.3

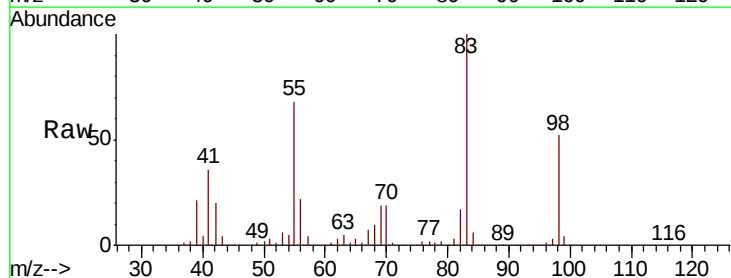


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

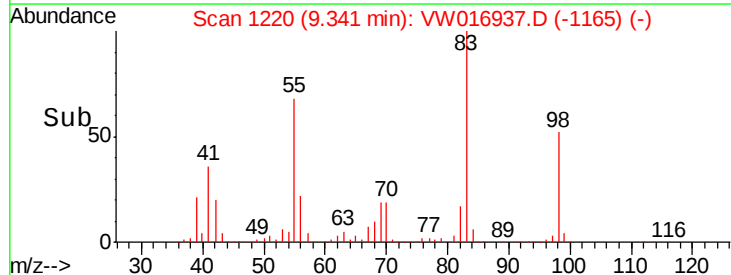
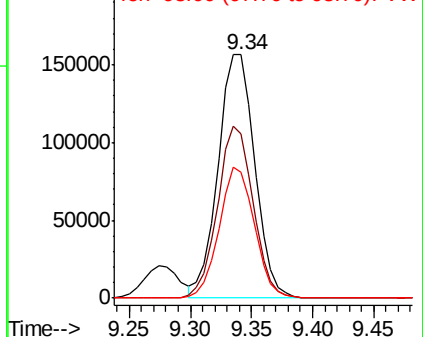


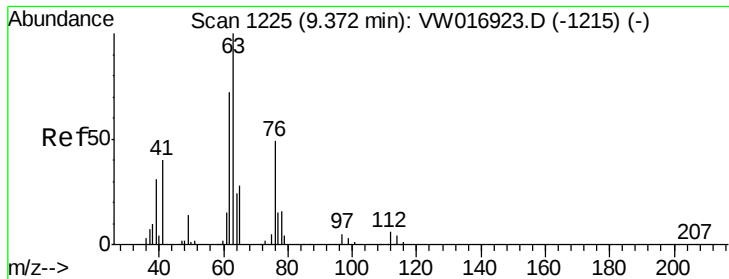
#36
 Methylcyclohexane
 Concen: 26.494 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW016937.D
 Acq: 19 Oct 2020 09:20

Tgt Ion: 83 Resp: 326092
 Ion Ratio Lower Upper
 83 100
 55 68.4 54.2 81.4
 98 51.6 41.4 62.2



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

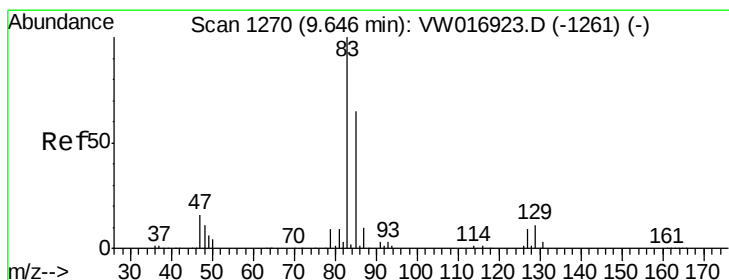
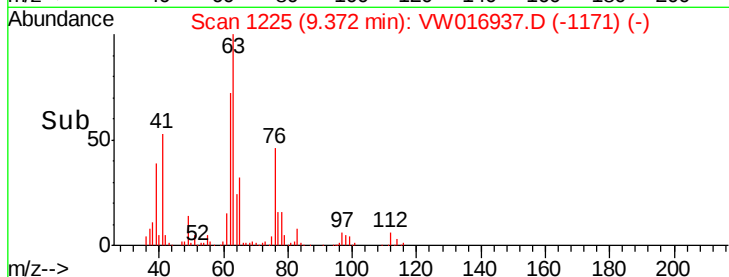
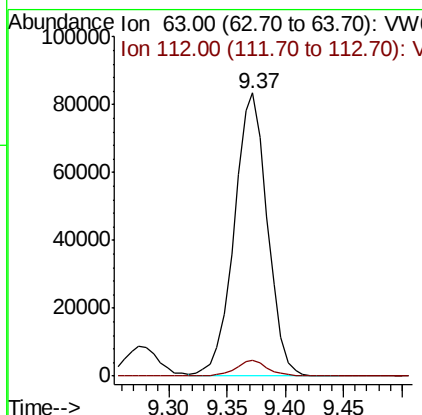
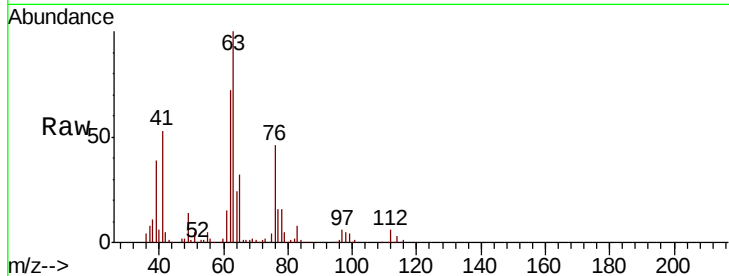




#40
 1,2-Dichloropropane
 Concen: 28.249 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016937.D
 Acq: 19 Oct 2020 09:20

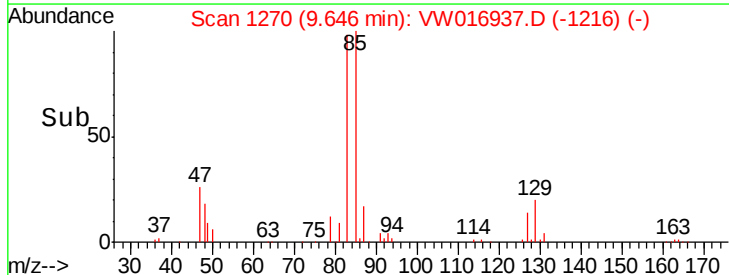
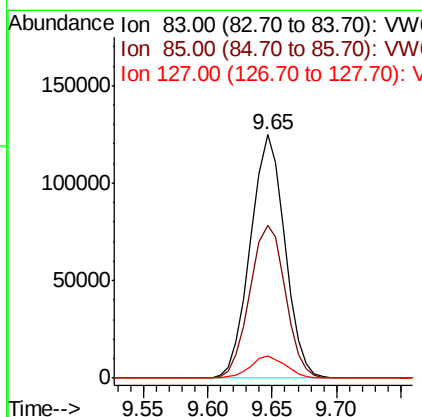
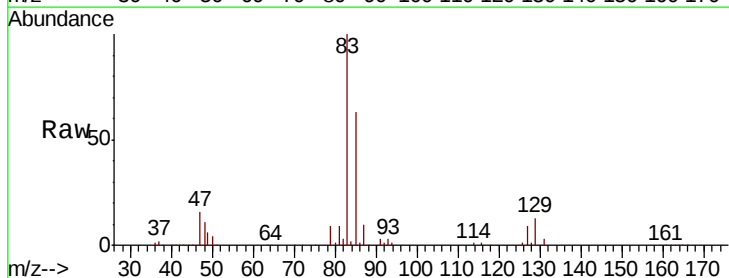
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

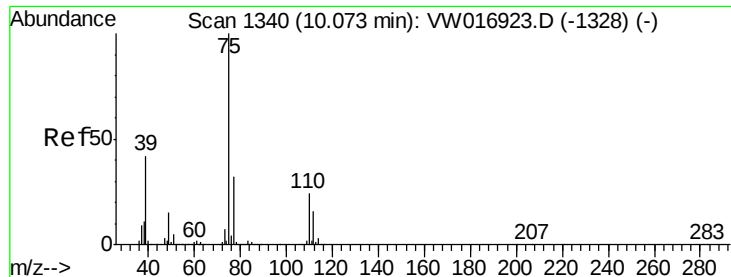
Tot Ion: 63 Resp: 165307
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.5 6.7



#41
 Bromodichloromethane
 Concen: 28.009 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016937.D
 Acq: 19 Oct 2020 09:20

Tgt Ion: 83 Resp: 230256
 Ion Ratio Lower Upper
 83 100
 85 62.9 46.2 85.8
 127 9.1 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 28.773 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016937.D

Acq: 19 Oct 2020 09:20

Instrument :

MSVOA_W

ClientSampleId :

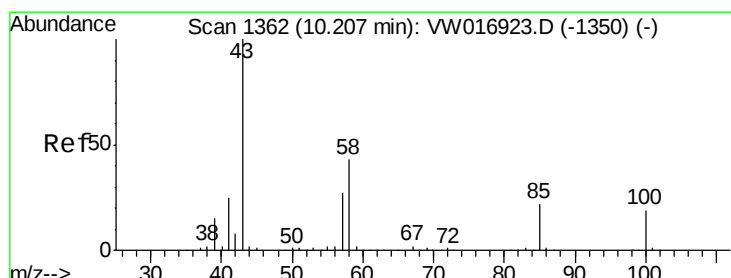
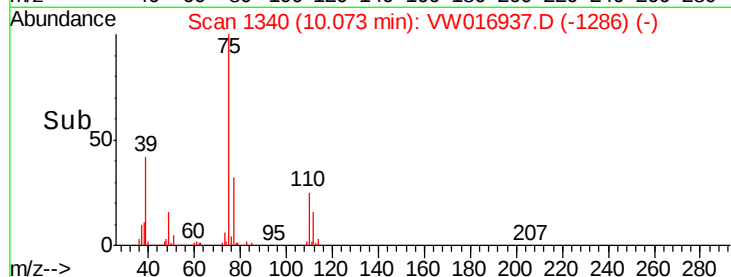
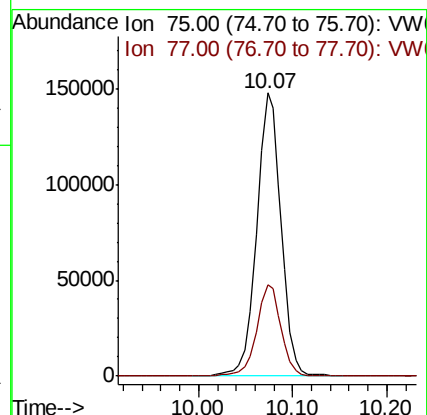
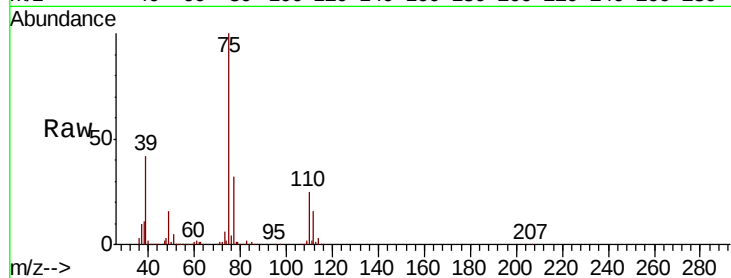
BFB

Tot Ion: 75 Resp: 268453

Ion Ratio Lower Upper

75 100

77 32.1 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 57.448 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW016937.D

Acq: 19 Oct 2020 09:20

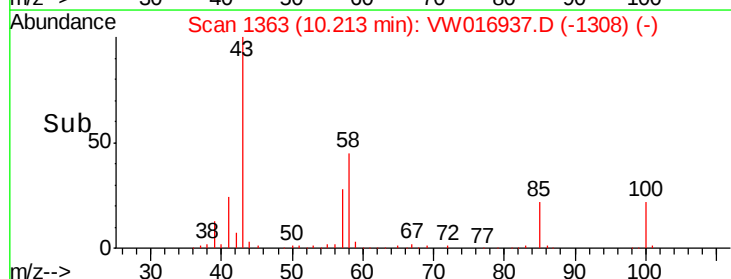
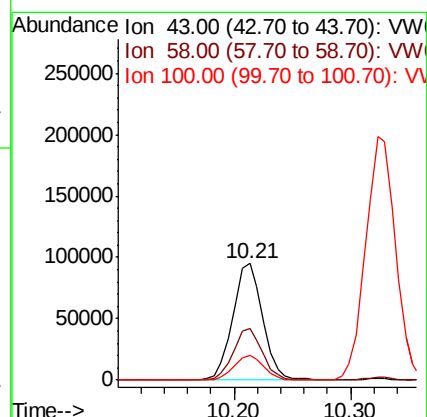
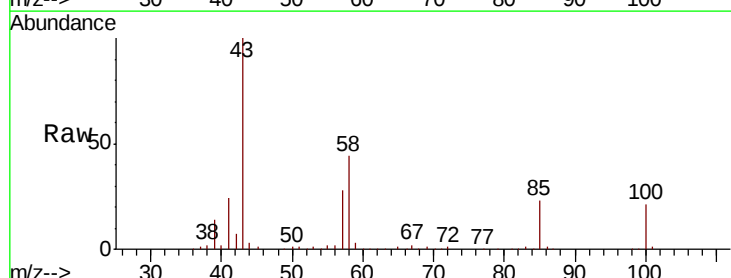
Tgt Ion: 43 Resp: 169245

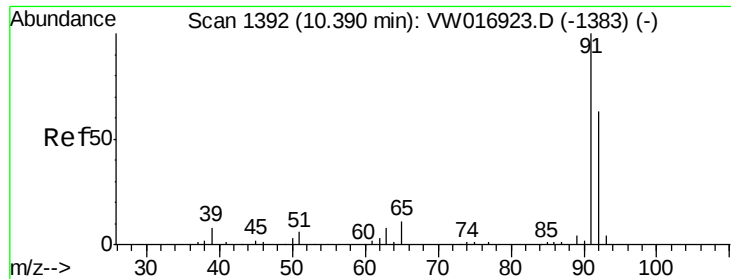
Ion Ratio Lower Upper

43 100

58 43.1 34.7 52.1

100 20.8 16.9 25.3





#44

Toluene

Concen: 27.630 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016937.D

Acq: 19 Oct 2020 09:20

Instrument :

MSVOA_W

ClientSampled :

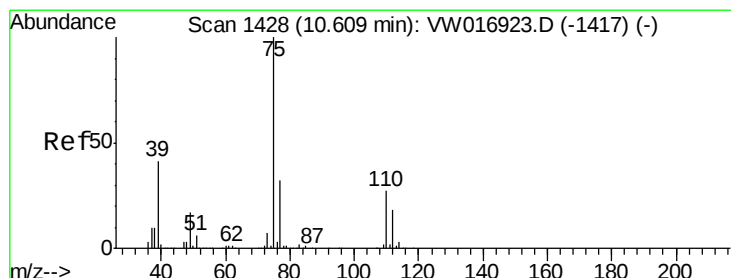
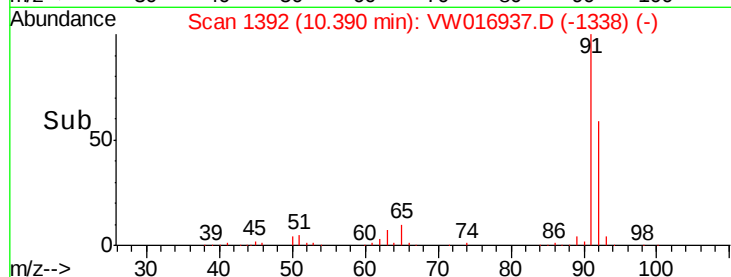
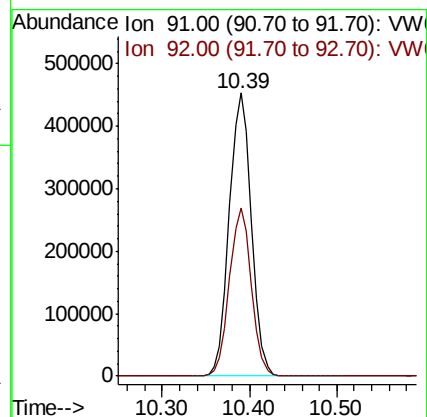
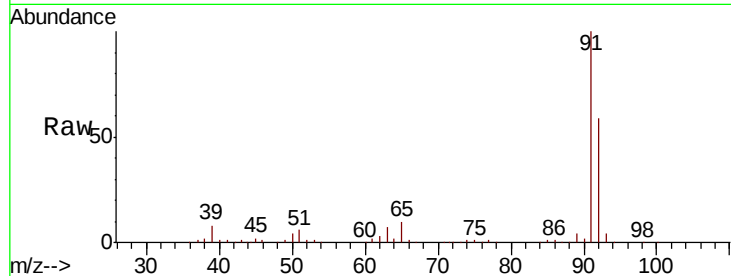
BFB

Tot Ion: 91 Resp: 793215

Ion Ratio Lower Upper

91 100

92 59.4 39.4 73.2



#45

trans-1,3-Dichloropropene

Concen: 28.879 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016937.D

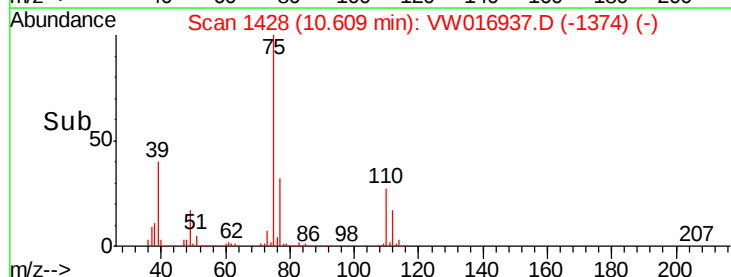
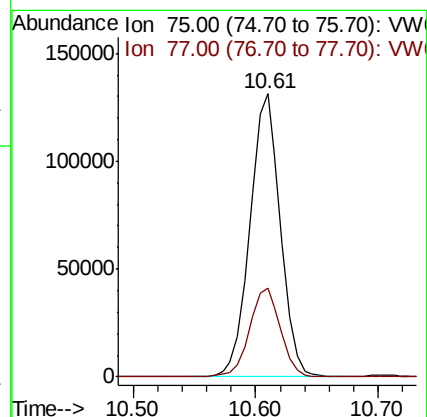
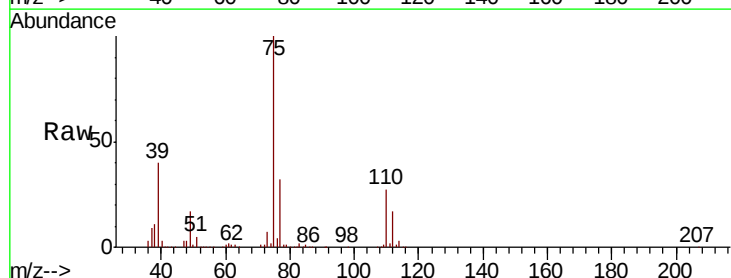
Acq: 19 Oct 2020 09:20

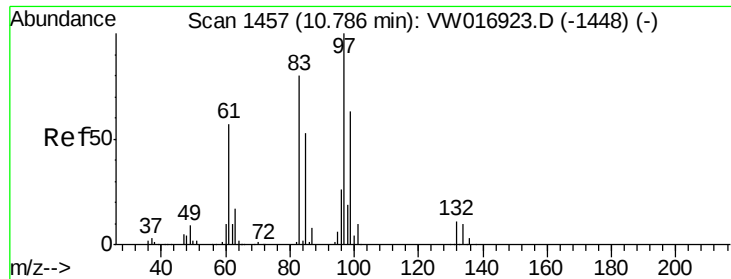
Tgt Ion: 75 Resp: 226733

Ion Ratio Lower Upper

75 100

77 31.5 22.2 41.2

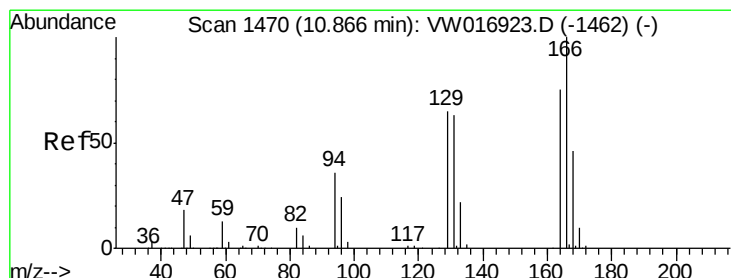
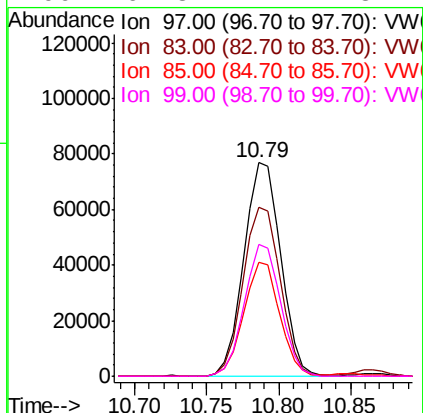
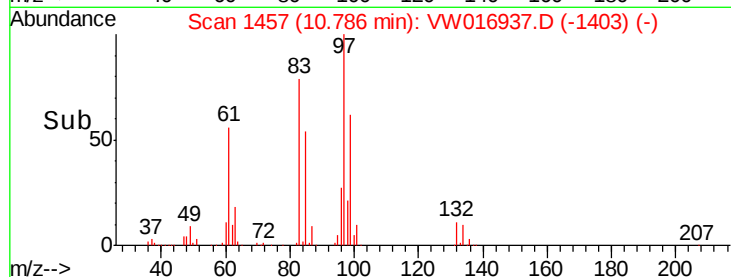
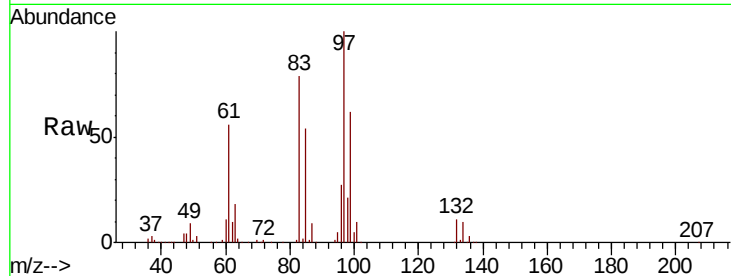




#46
 1,1,2-Trichloroethane
 Concen: 28.586 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW016937.D
 Acq: 19 Oct 2020 09:20

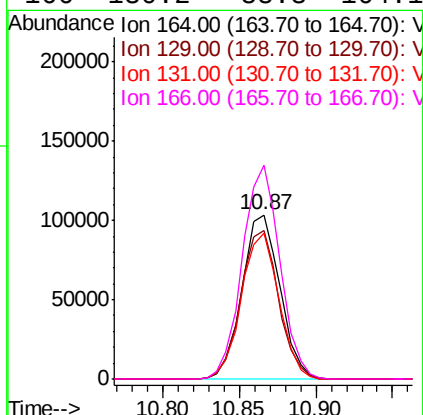
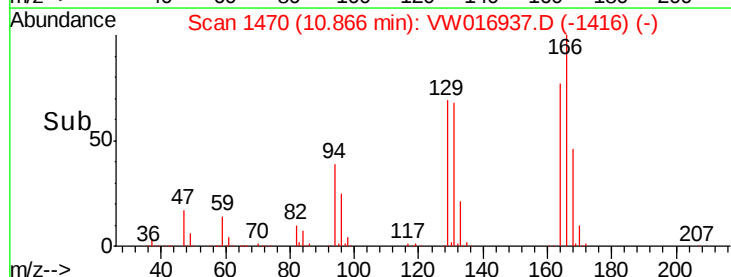
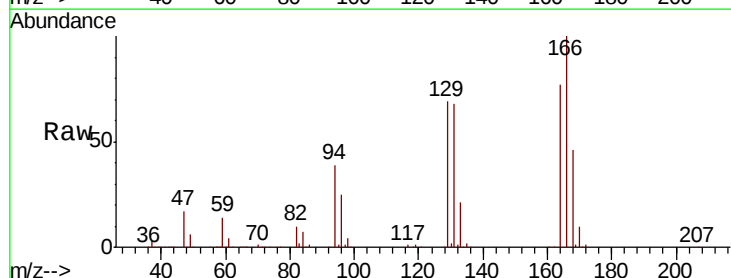
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

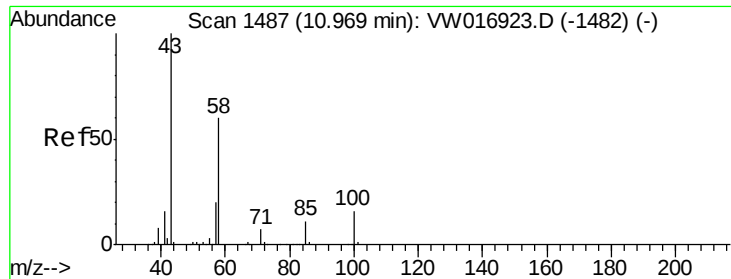
Tot Ion:	97	Resp:	135982
Ion	Ratio	Lower	Upper
97	100		
83	79.1	56.8	105.4
85	53.6	37.0	68.6
99	61.8	44.2	82.2



#47
 Tetrachloroethene
 Concen: 26.292 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016937.D
 Acq: 19 Oct 2020 09:20

Tgt Ion:	164	Resp:	178430
Ion	Ratio	Lower	Upper
164	100		
129	90.3	61.7	114.7
131	88.7	59.7	110.9
166	130.2	88.3	164.1

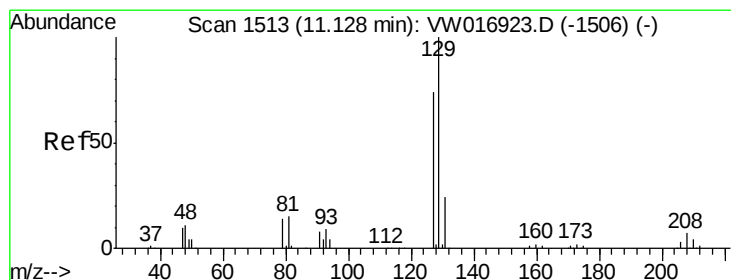
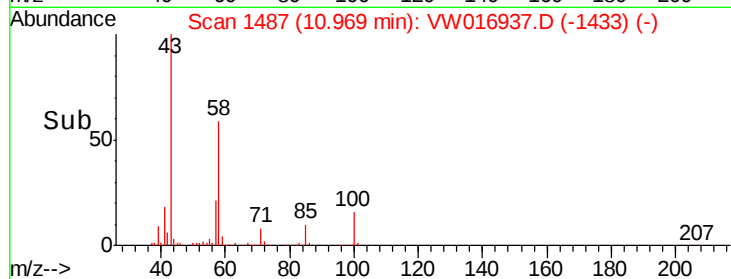
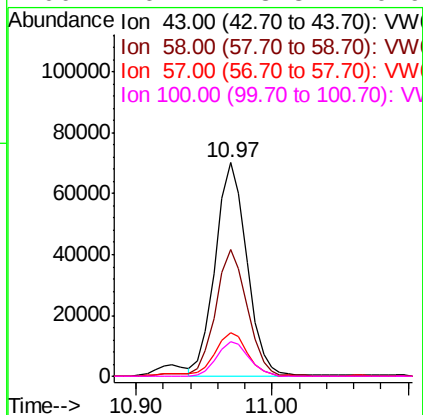
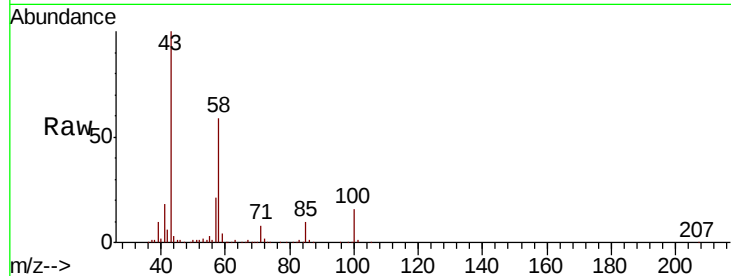




#49
2-Hexanone
Concen: 58.832 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016937.D
Acq: 19 Oct 2020 09:20

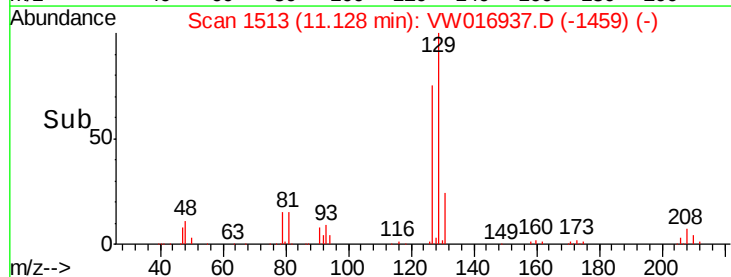
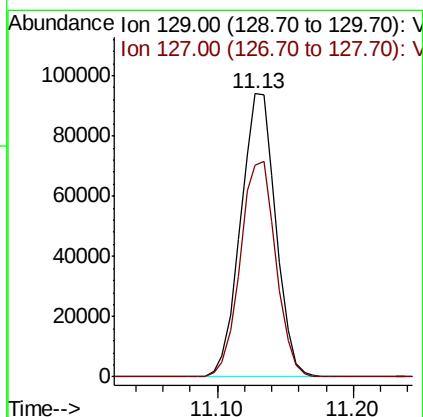
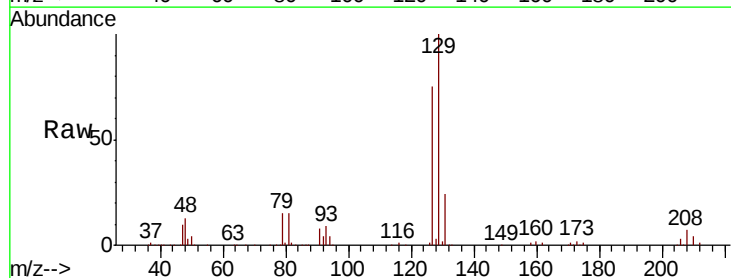
Instrument :
MSVOA_W
ClientSampleId :
BFB

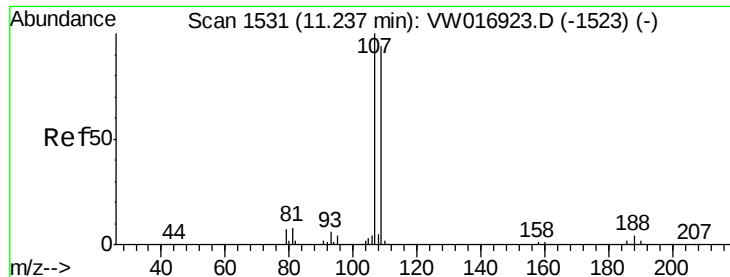
Tot Ion: 43 Resp: 114402
Ion Ratio Lower Upper
43 100
58 59.2 47.1 70.7
57 20.8 16.2 24.4
100 16.4 13.3 19.9



#50
Dibromochloromethane
Concen: 28.650 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW016937.D
Acq: 19 Oct 2020 09:20

Tgt Ion: 129 Resp: 169432
Ion Ratio Lower Upper
129 100
127 74.7 54.0 100.4

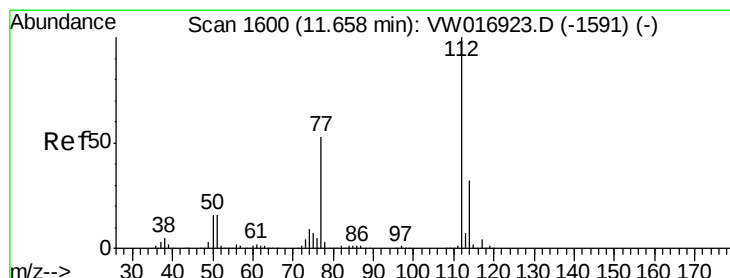
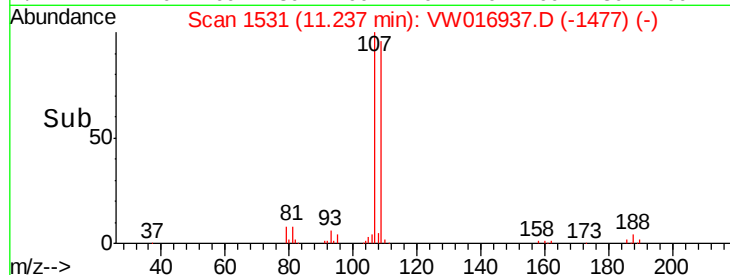
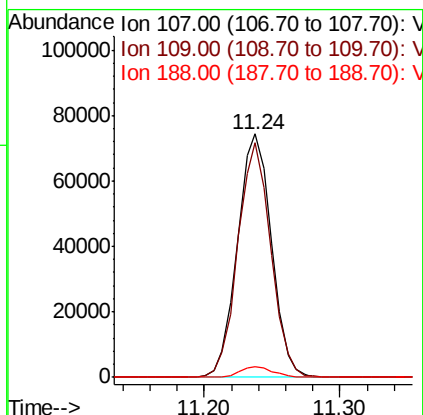
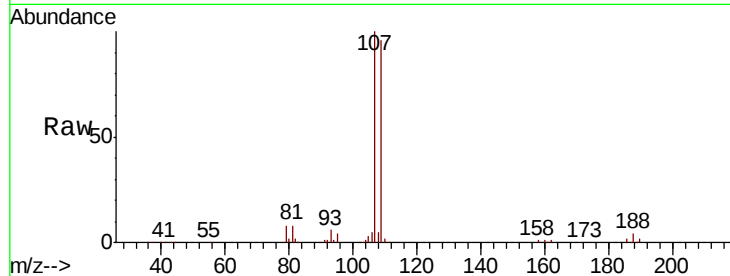




#51
1,2-Dibromoethane
Concen: 27.745 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016937.D
Acq: 19 Oct 2020 09:20

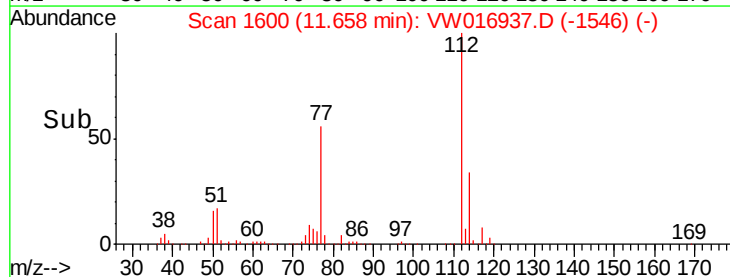
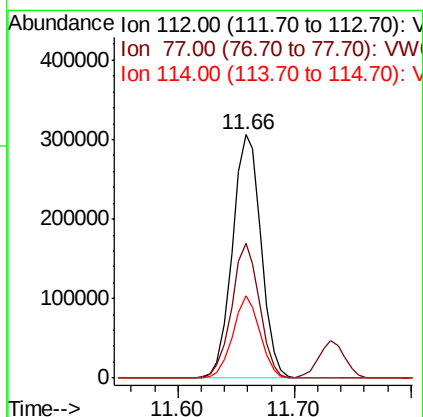
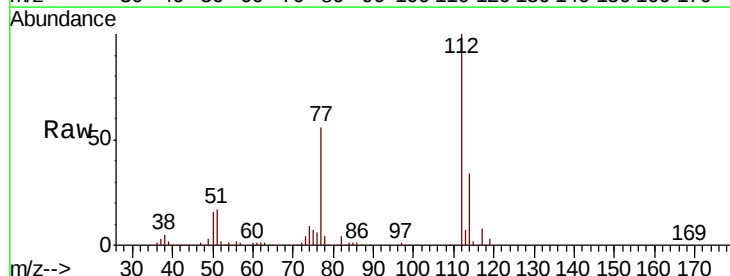
Instrument :
MSVOA_W
ClientSampleId :
BFB

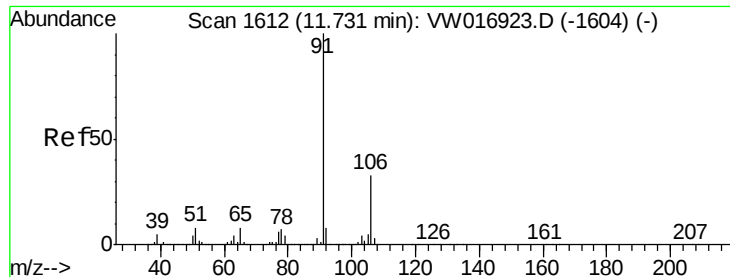
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	68.4	127.0
188	4.4	3.4	5.0



#52
Chlorobenzene
Concen: 27.157 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016937.D
Acq: 19 Oct 2020 09:20

Tgt Ion	Ratio	Lower	Upper
112	100		
77	55.6	44.0	66.0
114	33.9	22.3	41.3

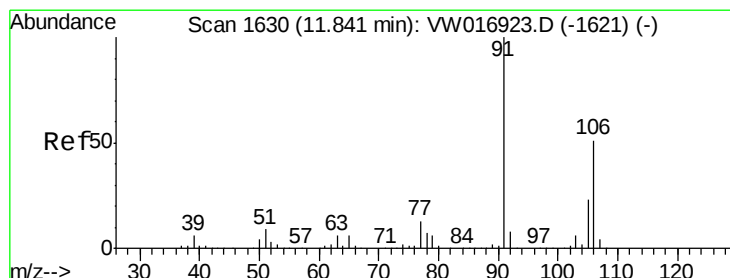
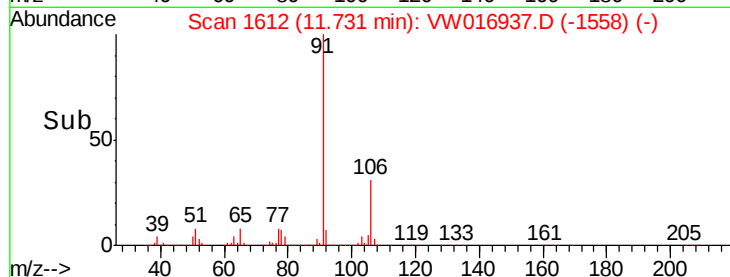
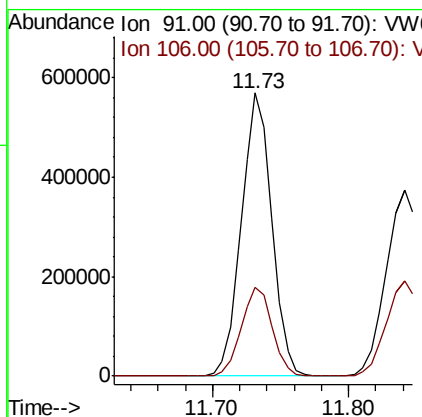
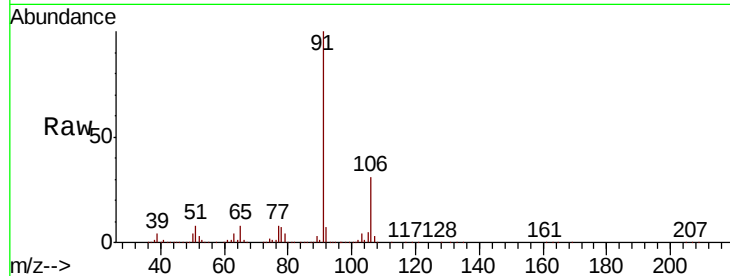




#53
Ethylbenzene
Concen: 27.589 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016937.D
Acq: 19 Oct 2020 09:20

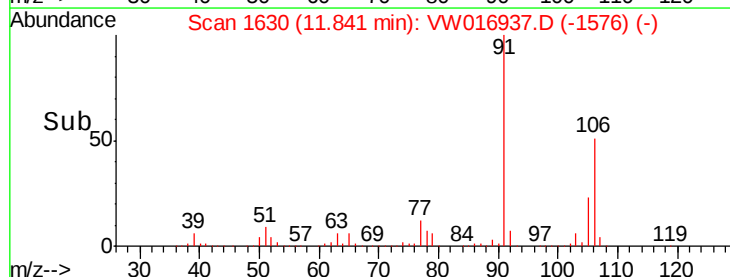
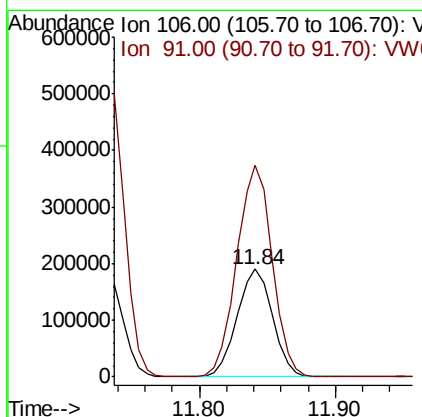
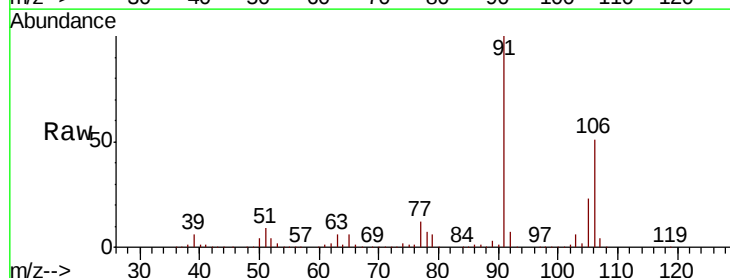
Instrument :
MSVOA_W
ClientSampleId :
BFB

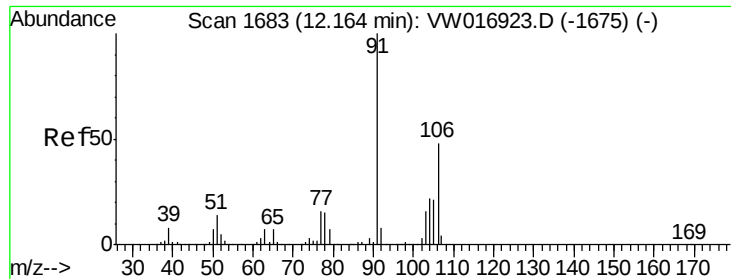
Tot Ion: 91 Resp: 888529
Ion Ratio Lower Upper
91 100
106 31.4 22.8 42.4



#54
m,p-Xylene
Concen: 27.699 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016937.D
Acq: 19 Oct 2020 09:20

Tgt Ion: 106 Resp: 346945
Ion Ratio Lower Upper
106 100
91 196.5 135.6 251.8

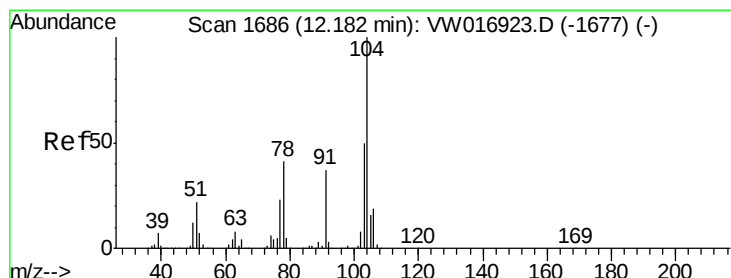
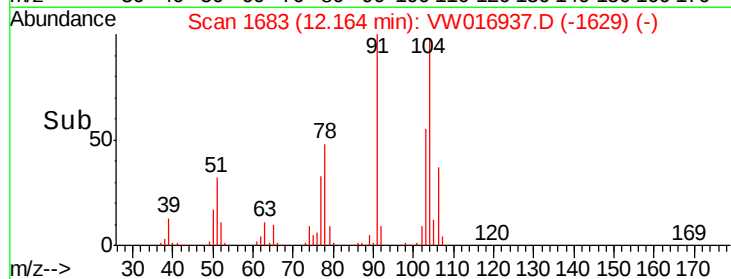
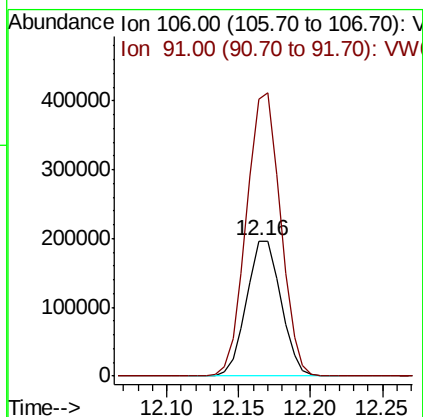
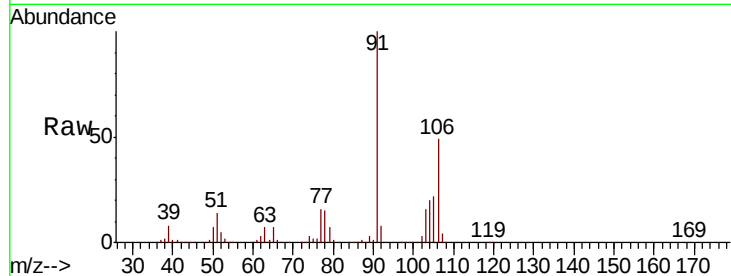




#55
o-xylene
Concen: 27.276 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW016937.D
Acq: 19 Oct 2020 09:20

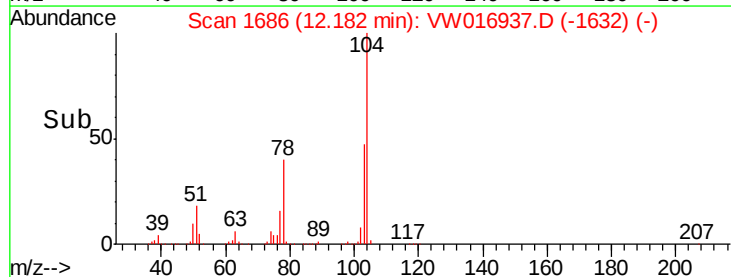
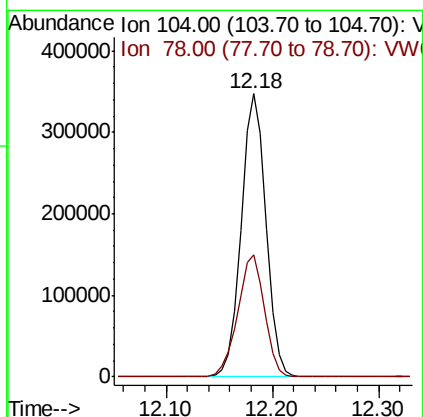
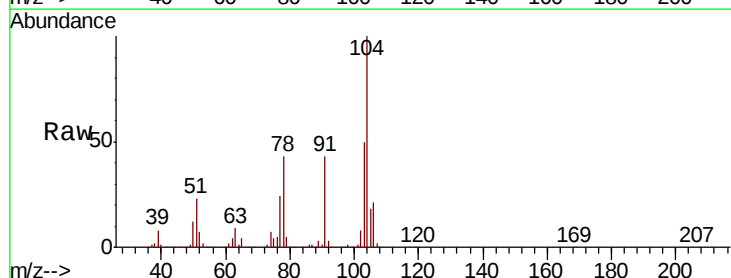
Instrument :
MSVOA_W
ClientSampled :
BFB

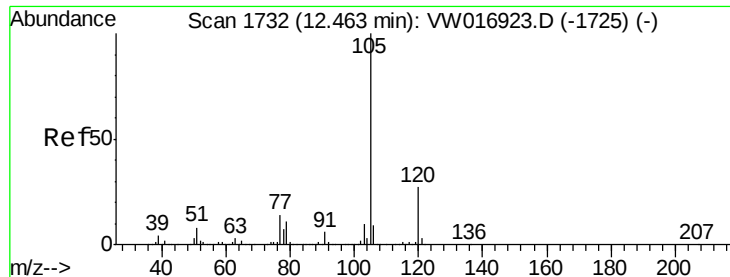
Tot Ion:106 Resp: 326420
Ion Ratio Lower Upper
106 100
91 205.0 142.6 264.8



#56
Styrene
Concen: 28.666 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016937.D
Acq: 19 Oct 2020 09:20

Tgt Ion:104 Resp: 566101
Ion Ratio Lower Upper
104 100
78 43.1 30.7 57.1





#57

Isopropylbenzene

Concen: 27.546 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW016937.D

Acq: 19 Oct 2020 09:20

Instrument :

MSVOA_W

ClientSampleId :

BFB

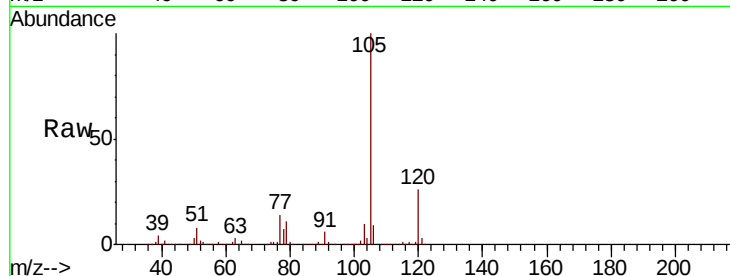
Tot Ion:105 Resp: 902672

Ion Ratio Lower Upper

105 100

120 27.2 21.5 32.3

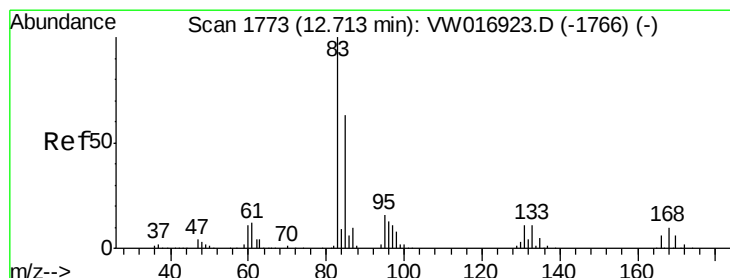
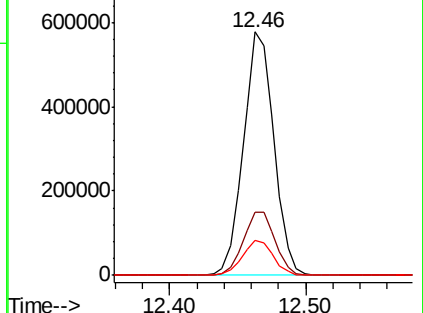
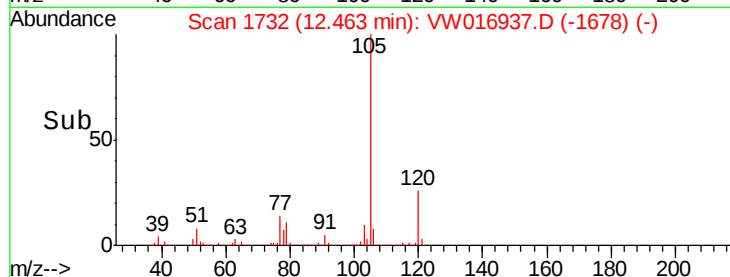
77 14.5 11.4 17.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 28.310 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016937.D

Acq: 19 Oct 2020 09:20

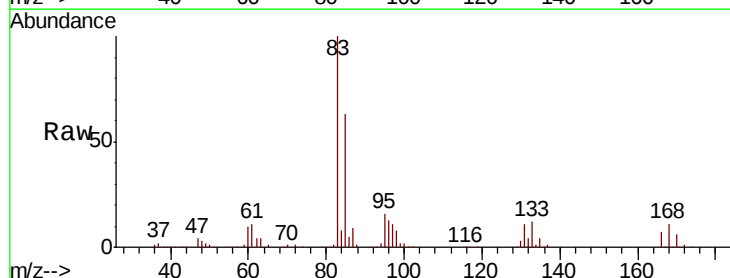
Tgt Ion: 83 Resp: 148830

Ion Ratio Lower Upper

83 100

85 63.4 43.3 80.5

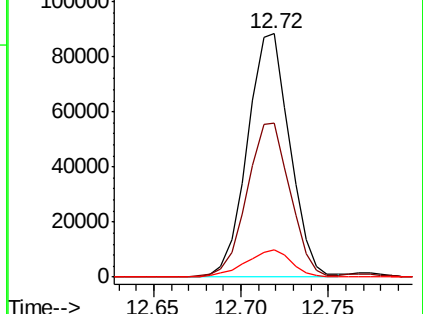
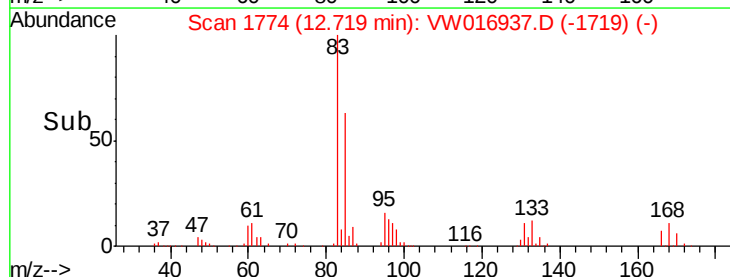
131 11.1 9.0 13.4

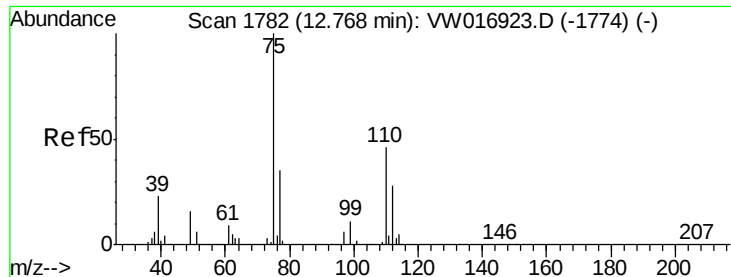


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.808 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW016937.D

Acq: 19 Oct 2020 09:20

Instrument :

MSVOA_W

ClientSampleId :

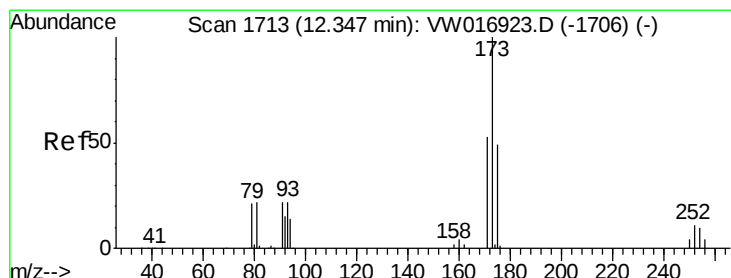
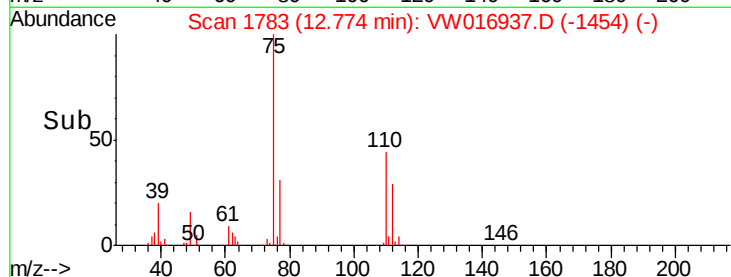
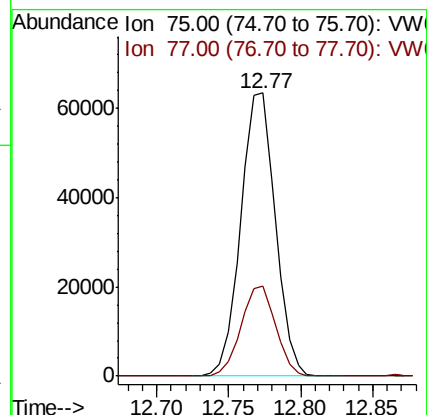
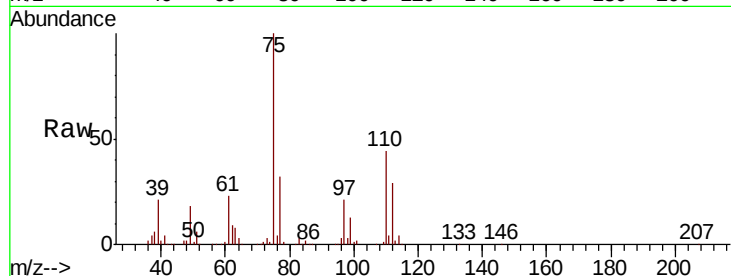
BFB

Tot Ion: 75 Resp: 105905

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2



#62

Bromoform

Concen: 29.091 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW016937.D

Acq: 19 Oct 2020 09:20

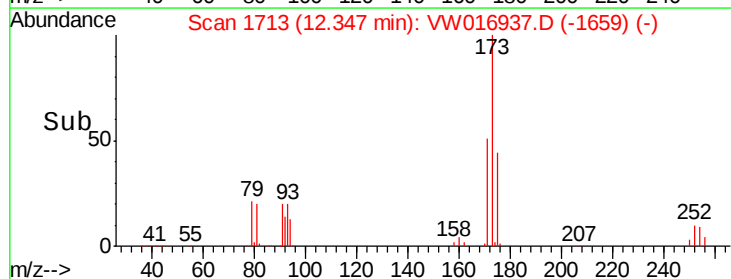
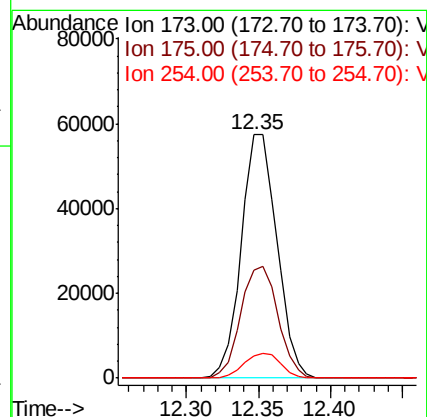
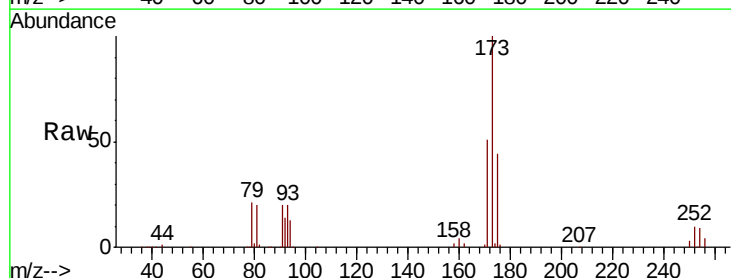
Tgt Ion: 173 Resp: 98942

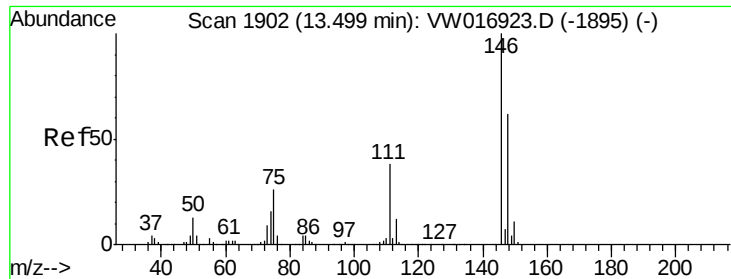
Ion Ratio Lower Upper

173 100

175 48.0 39.9 59.9

254 10.5 8.7 13.1

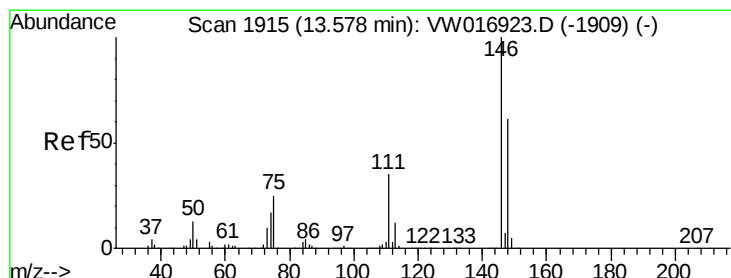
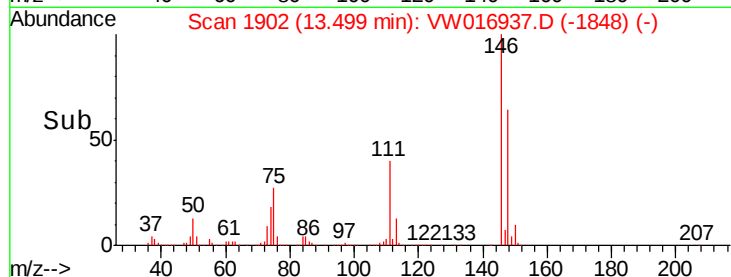
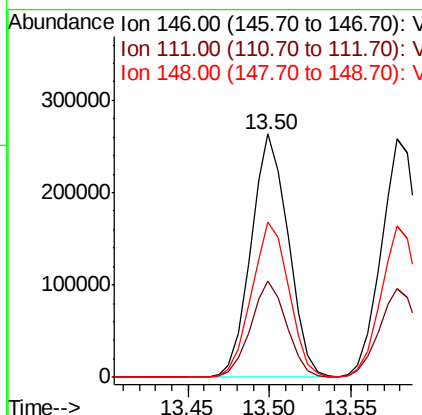
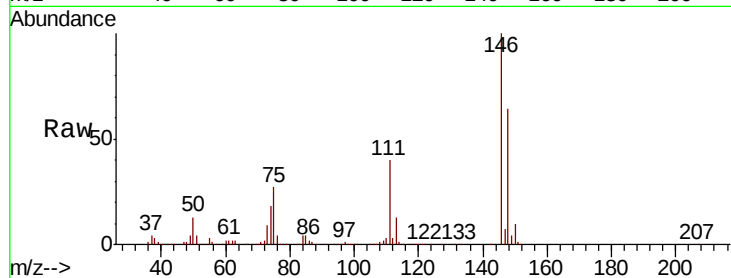




#63
 1,3-Dichlorobenzene
 Concen: 27.114 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016937.D
 Acq: 19 Oct 2020 09:20

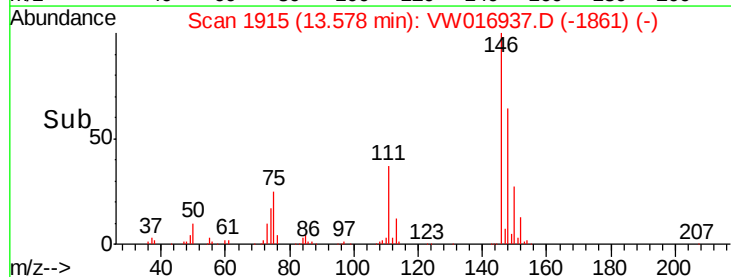
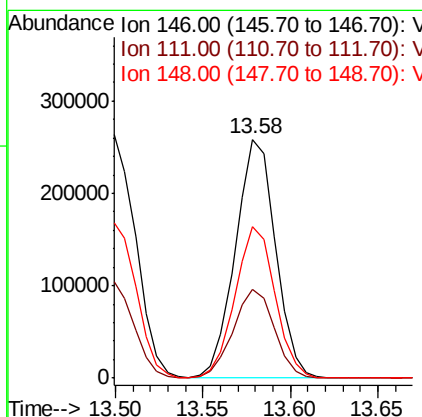
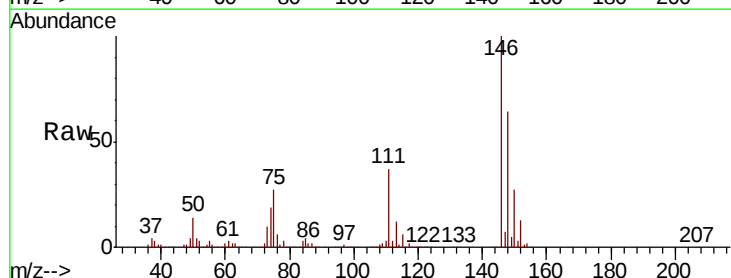
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

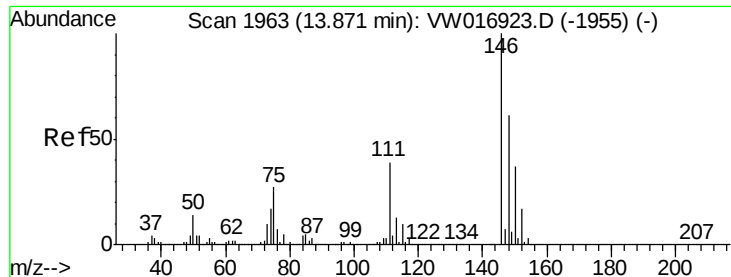
Tot Ion:146 Resp: 417222
 Ion Ratio Lower Upper
 146 100
 111 39.6 26.9 49.9
 148 63.9 45.7 84.9



#64
 1,4-Dichlorobenzene
 Concen: 26.878 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016937.D
 Acq: 19 Oct 2020 09:20

Tgt Ion:146 Resp: 413621
 Ion Ratio Lower Upper
 146 100
 111 37.3 26.0 48.4
 148 63.5 43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 27.587 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016937.D

Acq: 19 Oct 2020 09:20

Instrument :

MSVOA_W

ClientSampleId :

BFB

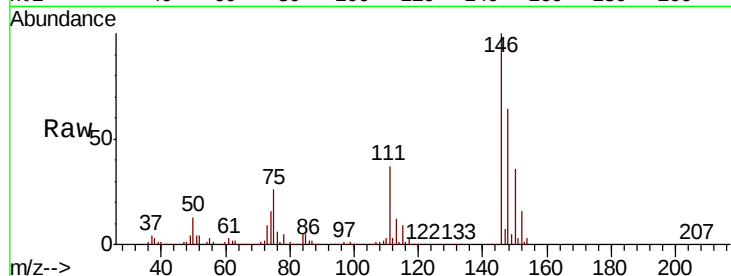
Tot Ion:146 Resp: 380068

Ion Ratio Lower Upper

146 100

111 36.9 32.1 48.1

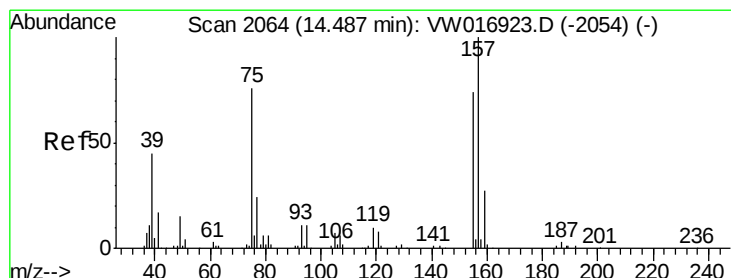
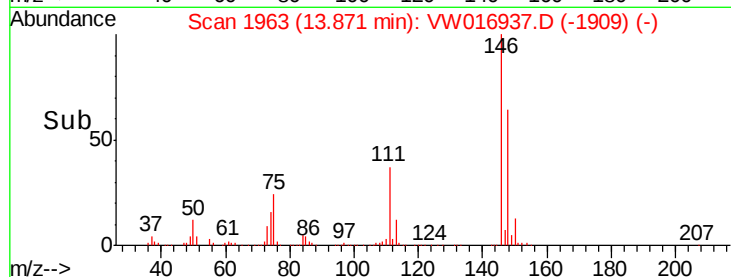
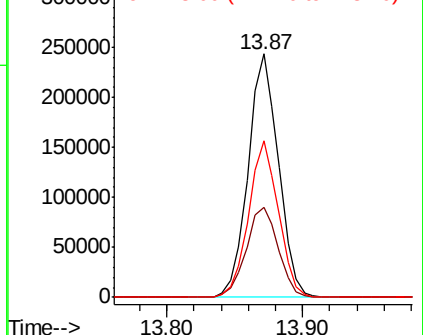
148 64.3 51.8 77.6



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: 26.951 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016937.D

Acq: 19 Oct 2020 09:20

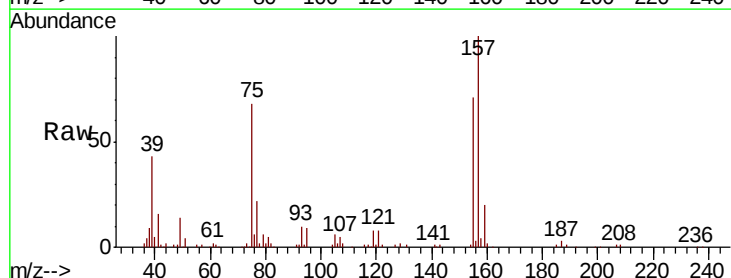
Tgt Ion: 75 Resp: 22523

Ion Ratio Lower Upper

75 100

157 148.1 100.5 150.7

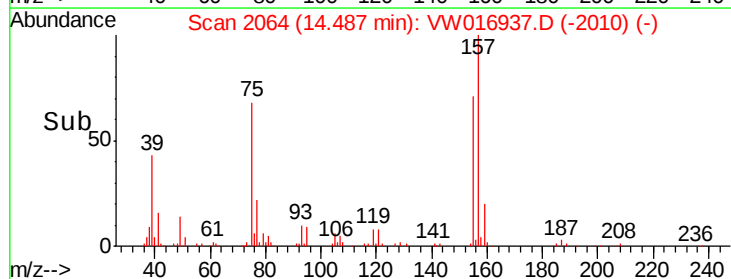
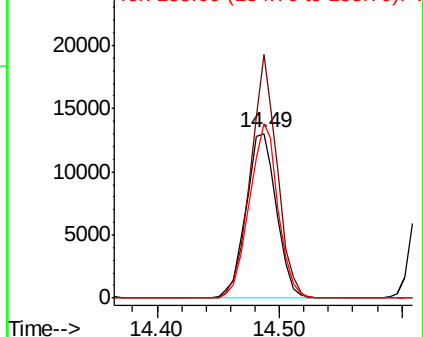
155 105.9 74.7 112.1

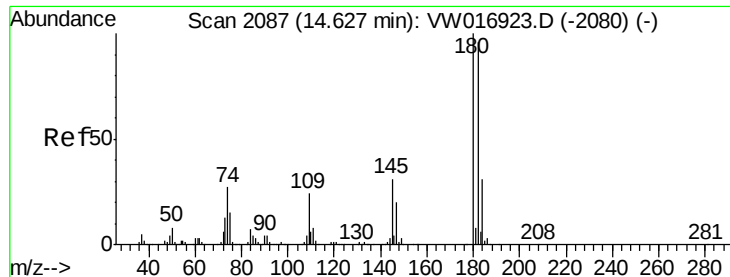


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

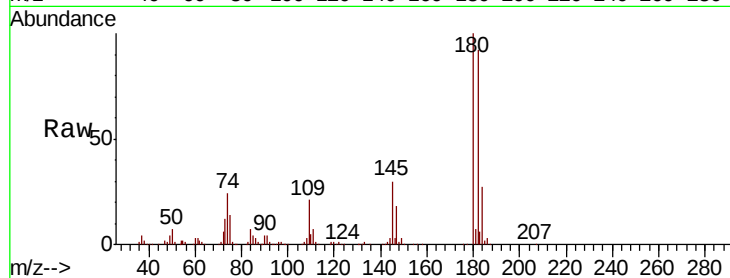




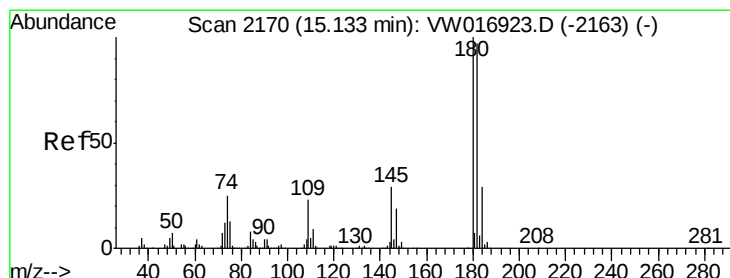
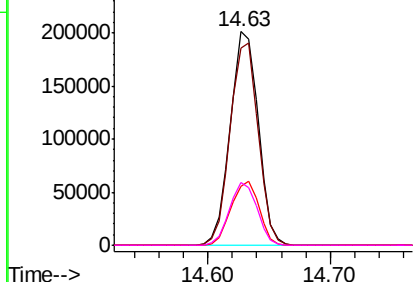
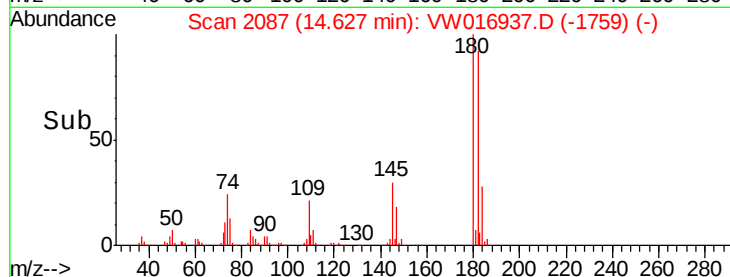
#67
 1,3,5-Trichlorobenzene
 Concen: 27.757 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW016937.D
 Acq: 19 Oct 2020 09:20

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tot Ion:180	Resp:	317479
Ion	Ratio	Lower Upper
180	100	
182	94.6	79.0 118.6
184	30.0	24.9 37.3
145	28.9	23.0 34.4

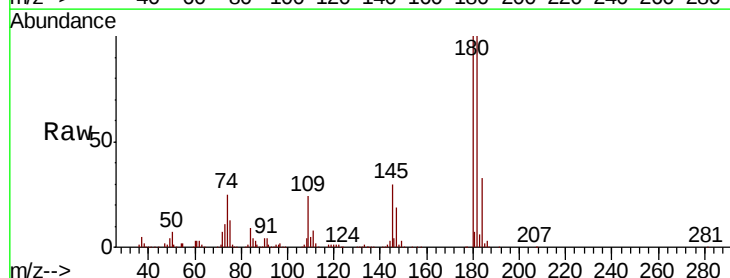


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

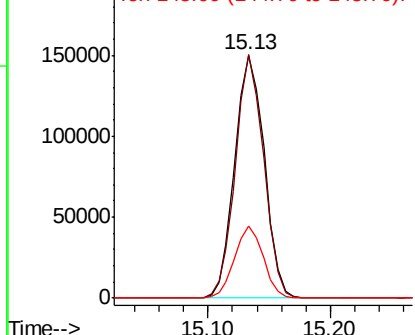
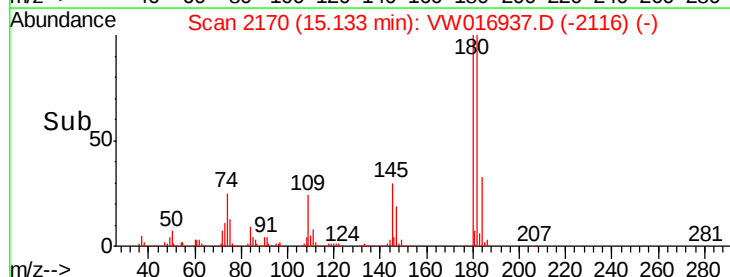


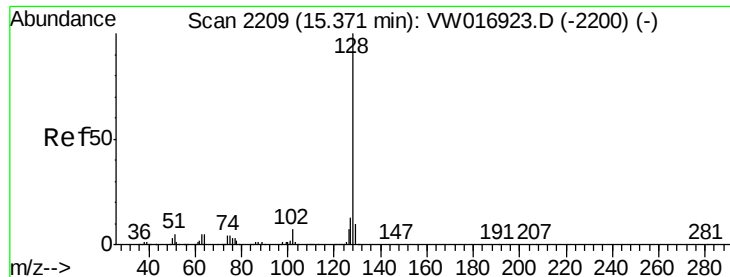
#68
 1,2,4-trichlorobenzene
 Concen: 26.754 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016937.D
 Acq: 19 Oct 2020 09:20

Tgt Ion:180	Resp:	251337
Ion	Ratio	Lower Upper
180	100	
182	96.0	74.2 111.2
145	28.7	23.4 35.0



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





#69

Naphthalene

Concen: 27.742 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016937.D

Acq: 19 Oct 2020 09:20

Instrument :

MSVOA_W

ClientSampleId :

BFB

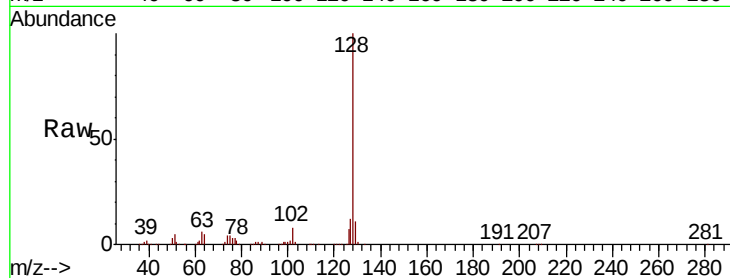
Tot Ion:128 Resp: 431581

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

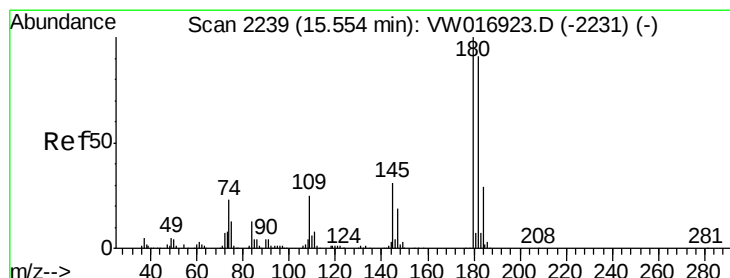
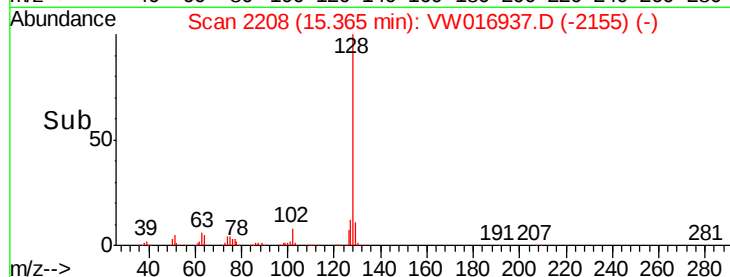
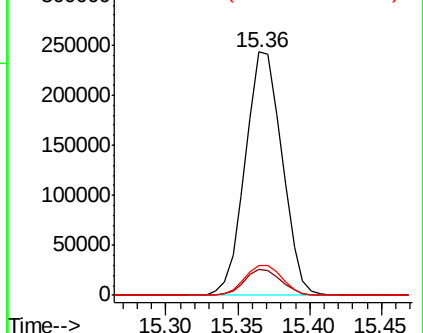
127 12.6 10.1 15.1



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: 27.249 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016937.D

Acq: 19 Oct 2020 09:20

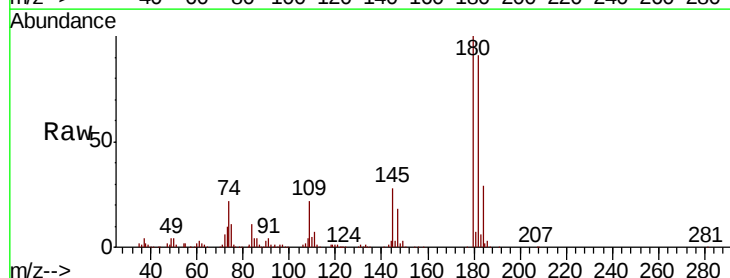
Tgt Ion:180 Resp: 219973

Ion Ratio Lower Upper

180 100

182 92.6 74.1 111.1

145 31.3 24.8 37.2



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

