

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091820\
 Data File : VW016581.D
 Acq On : 18 Sep 2020 12:55
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB101

Quant Time: Sep 19 00:19:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM091820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 18 13:07:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	596763	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	541090	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	257944	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	178893	26.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.36%
7) Chloroethane-d5	2.90	69	142254	25.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.96%
11) 1,1-Dichloroethene-d2	4.03	63	358006	25.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.80%
21) 2-Butanone-d5	7.09	46	76292	50.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.22%
24) Chloroform-d	7.65	84	372619	26.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.00%
26) 1,2-Dichloroethane-d4	8.31	65	188531	26.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.04%
32) Benzene-d6	8.28	84	713913	25.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.32%
36) 1,2-Dichloropropane-d6	9.27	67	196719	25.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.52%
41) Toluene-d8	10.33	98	695326	25.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.16%
43) trans-1,3-Dichloropropene-	10.58	79	96848	26.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.08%
47) 2-Hexanone-d5	10.93	63	62774	52.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.96%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	152701	25.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.24%
66) 1,2-Dichlorobenzene-d4	13.86	152	250176	26.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.03	85	158400	22.013	ug/L	90
3) Chloromethane	2.22	50	131891	23.129	ug/L	97
5) Vinyl chloride	2.37	62	185935	22.746	ug/L	100
6) Bromomethane	2.79	94	140330	22.347	ug/L	99
8) Chloroethane	2.94	64	110952	22.834	ug/L	99
9) Trichlorofluoromethane	3.27	101	163990	21.152	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.08	101	181481	23.581	ug/L	97
12) 1,1-Dichloroethene	4.05	96	174872	22.718	ug/L	91
13) Acetone	4.15	43	43188	42.466	ug/L	97
14) Carbon disulfide	4.40	76	526138	23.017	ug/L	99
15) Methyl Acetate	4.68	43	57097	22.873	ug/L	99
16) Methylene chloride	4.92	84	178920	20.458	ug/L	96
17) trans-1,2-Dichloroethene	5.44	96	182737	22.882	ug/L	96
18) Methyl tert-butyl Ether	5.43	73	228468	23.290	ug/L	99
19) 1,1-Dichloroethane	6.22	63	290682	22.978	ug/L	98
20) cis-1,2-Dichloroethene	7.17	96	192167	23.150	ug/L	96
22) 2-Butanone	7.18	43	70708	40.893	ug/L	99

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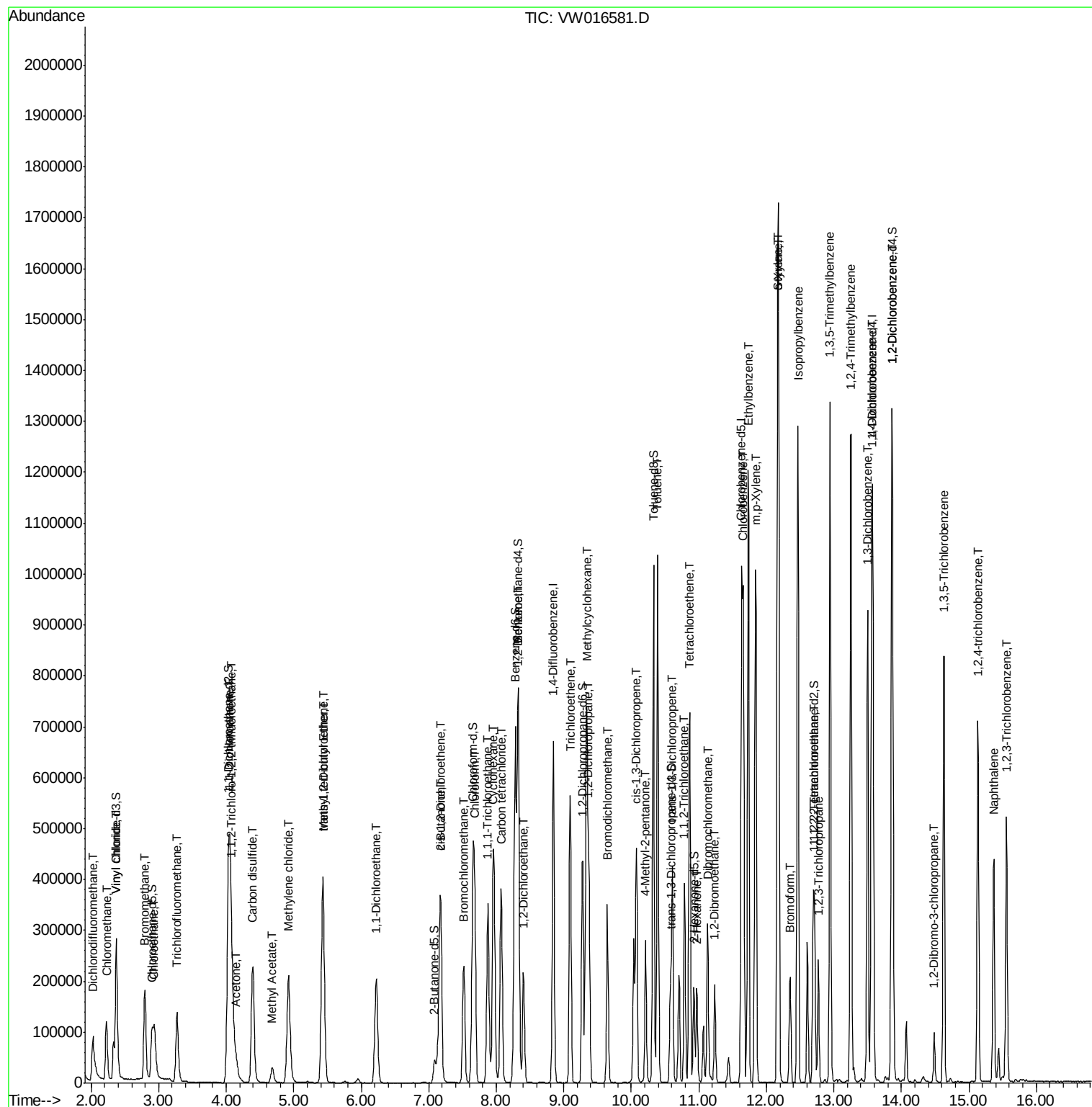
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	91995	23.571	ug/L	97
25) Chloroform	7.68	83	318031	22.980	ug/L	99
27) 1,2-Dichloroethane	8.40	62	198735	23.128	ug/L	99
29) Cyclohexane	7.96	56	264079	21.860	ug/L	99
30) 1,1,1-Trichloroethane	7.88	97	289967	22.491	ug/L	99
31) Carbon tetrachloride	8.07	117	282505	22.501	ug/L	99
33) Benzene	8.33	78	668419	22.299	ug/L	100
34) Trichloroethene	9.09	95	191749	22.301	ug/L	97
35) Methylcyclohexane	9.34	83	319795	22.266	ug/L	99
37) 1,2-Dichloropropane	9.37	63	155744	22.787	ug/L	100
38) Bromodichloromethane	9.65	83	231937	22.883	ug/L	99
39) cis-1,3-Dichloropropene	10.07	75	263662	22.599	ug/L	97
40) 4-Methyl-2-pentanone	10.21	43	167737	43.801	ug/L	99
42) Toluene	10.39	91	753670	22.318	ug/L	97
44) trans-1,3-Dichloropropene	10.61	75	228748	22.860	ug/L	98
45) 1,1,2-Trichloroethane	10.79	97	126166	22.727	ug/L	98
46) Tetrachloroethene	10.87	164	168495	21.725	ug/L	97
48) 2-Hexanone	10.97	43	109018	45.782	ug/L	99
49) Dibromochloromethane	11.13	129	171760	23.572	ug/L	99
50) 1,2-Dibromoethane	11.24	107	124757	22.691	ug/L	100
51) Chlorobenzene	11.66	112	498709	22.270	ug/L	100
52) Ethylbenzene	11.73	91	847079	22.279	ug/L	100
53) m,p-Xylene	11.84	106	330468	22.311	ug/L	96
54) o-Xylene	12.17	106	313777	22.381	ug/L	97
55) Styrene	12.18	104	534170	22.883	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.71	83	133231	22.291	ug/L	100
59) Bromoform	12.35	173	96847	23.258	ug/L	99
60) Isopropylbenzene	12.47	105	868665	23.066	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	97743	22.994	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	712299	22.984	ug/L	99
63) 1,2,4-Trimethylbenzene	13.26	105	718554	23.328	ug/L	98
64) 1,3-Dichlorobenzene	13.50	146	397055	22.974	ug/L	98
65) 1,4-Dichlorobenzene	13.58	146	389099	22.954	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	351681	22.999	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.49	75	22258	22.277	ug/L	93
69) 1,3,5-Trichlorobenzene	14.63	180	282359	22.134	ug/L	96
70) 1,2,4-trichlorobenzene	15.13	180	229590	22.285	ug/L	98
71) Naphthalene	15.37	128	394398	22.811	ug/L	100
72) 1,2,3-Trichlorobenzene	15.55	180	189286	21.882	ug/L	97

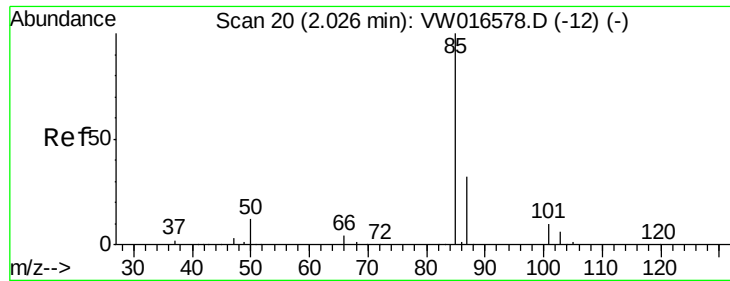
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.013 ug/L

RT: 2.03 min Scan# 20

Delta R.T. -0.00 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

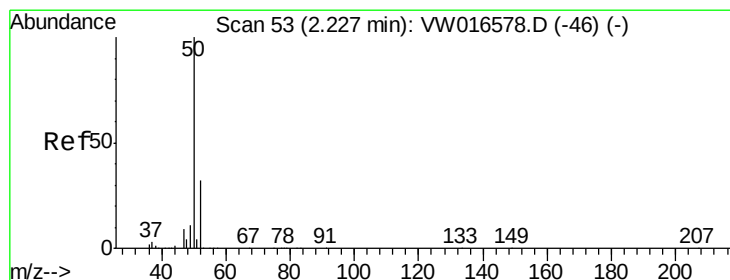
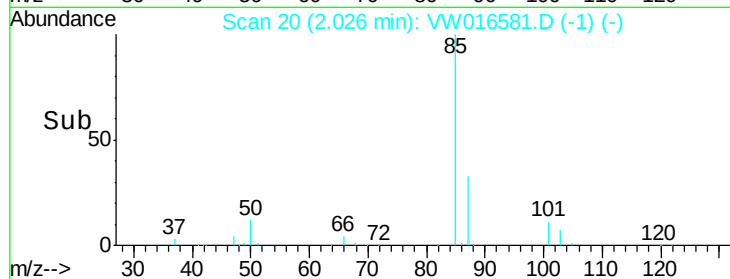
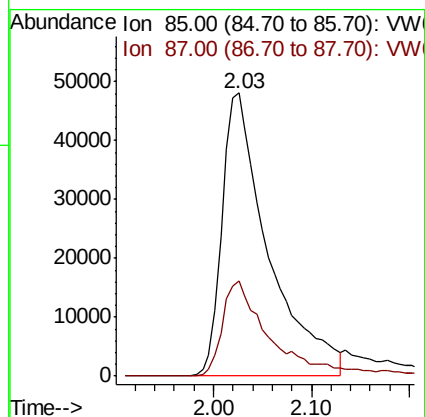
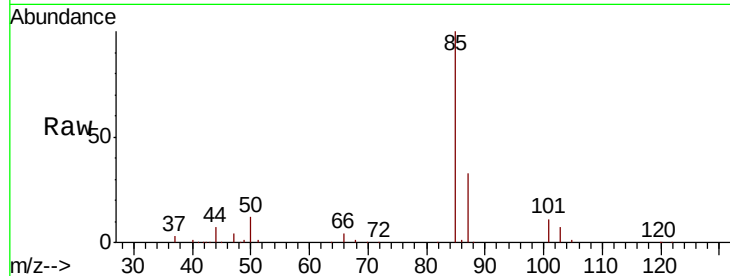
BFB101

Tot Ion: 85 Resp: 158400

Ion Ratio Lower Upper

85 100

87 31.7 21.4 32.0



#3

Chloromethane

Concen: 23.129 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.01 min

Lab File: VW016581.D

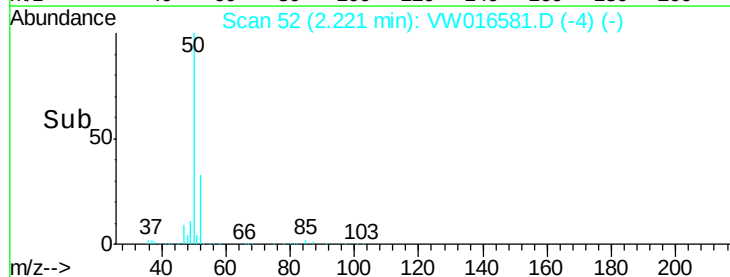
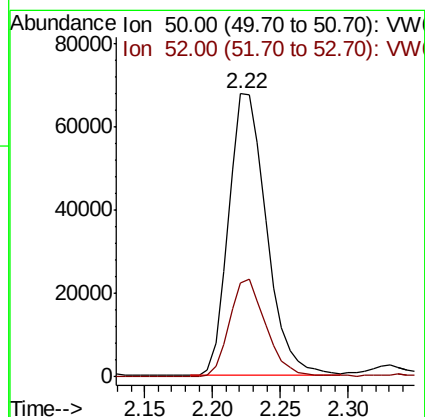
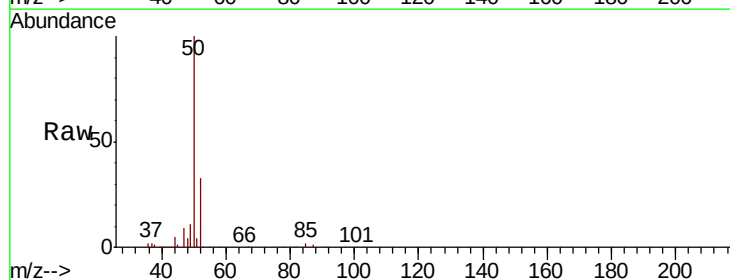
Acq: 18 Sep 2020 12:55

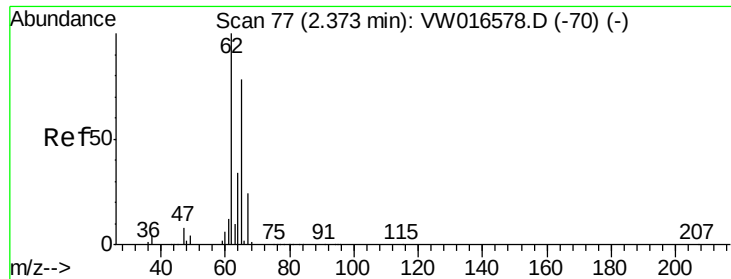
Tgt Ion: 50 Resp: 131891

Ion Ratio Lower Upper

50 100

52 33.4 22.1 41.1





#5

Vinyl chloride

Concen: 22.746 ug/L

RT: 2.37 min Scan# 77

Delta R.T. -0.00 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

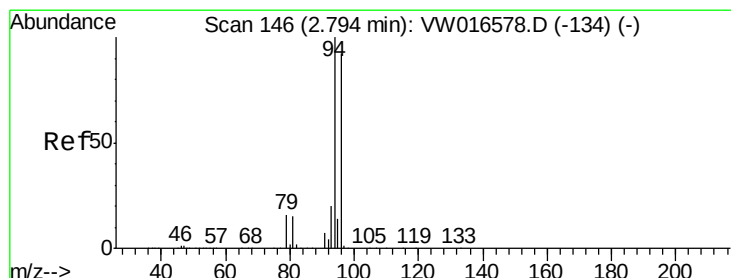
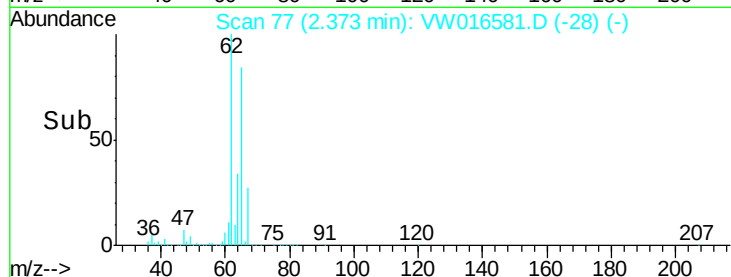
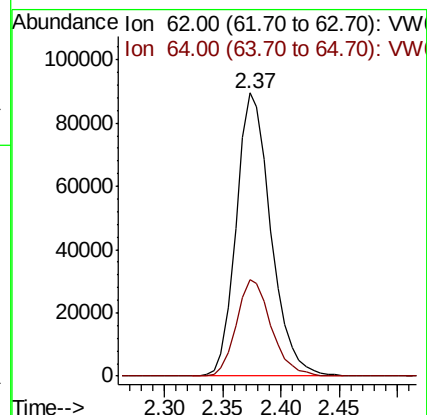
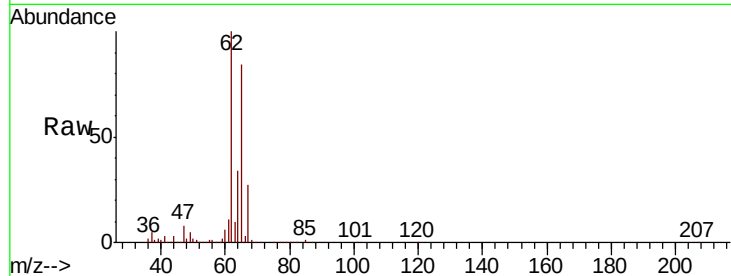
BFB101

Tot Ion: 62 Resp: 185935

Ion Ratio Lower Upper

62 100

64 34.3 24.1 44.7



#6

Bromomethane

Concen: 22.347 ug/L

RT: 2.79 min Scan# 146

Delta R.T. -0.00 min

Lab File: VW016581.D

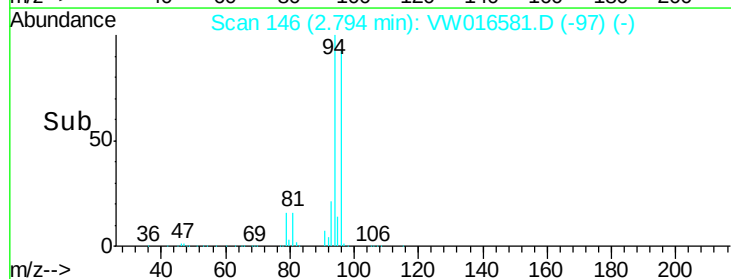
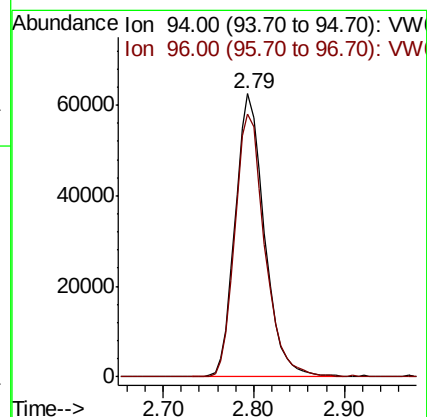
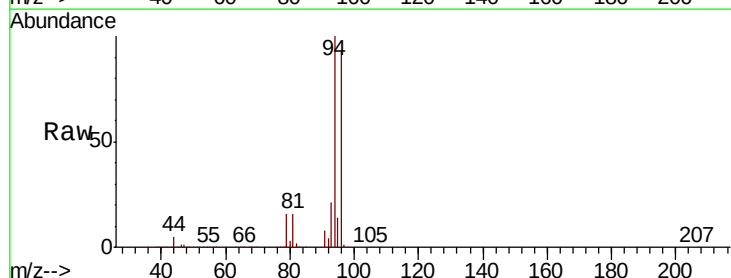
Acq: 18 Sep 2020 12:55

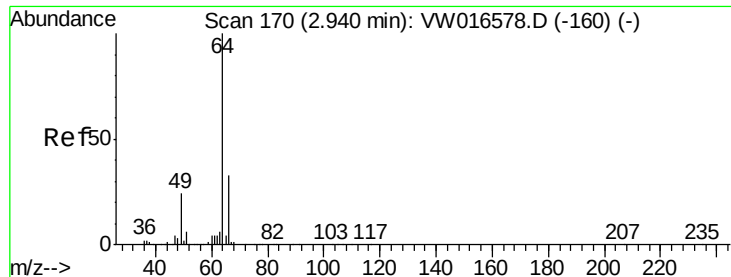
Tgt Ion: 94 Resp: 140330

Ion Ratio Lower Upper

94 100

96 93.0 64.2 119.2





#8

Chloroethane

Concen: 22.834 ug/L

RT: 2.94 min Scan# 170

Delta R.T. -0.00 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

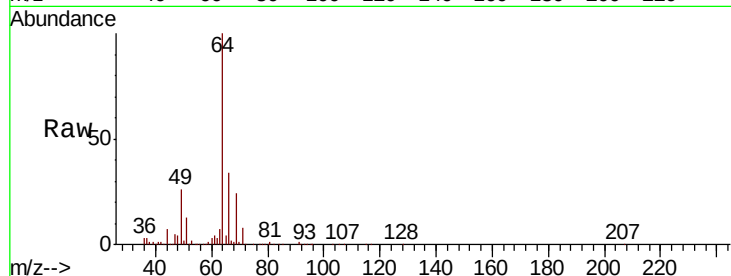
BFB101

Tot Ion: 64 Resp: 110952

Ion Ratio Lower Upper

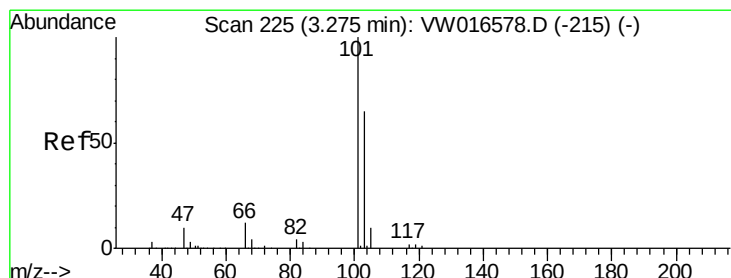
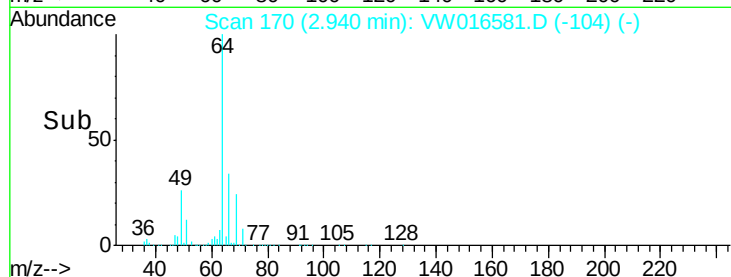
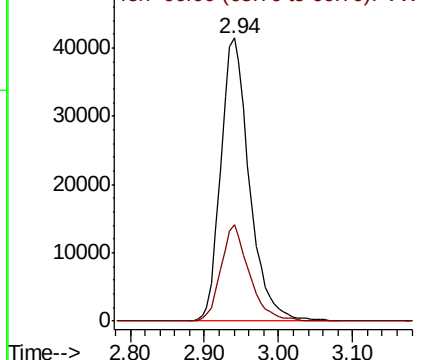
64 100

66 34.3 23.5 43.7



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 21.152 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.01 min

Lab File: VW016581.D

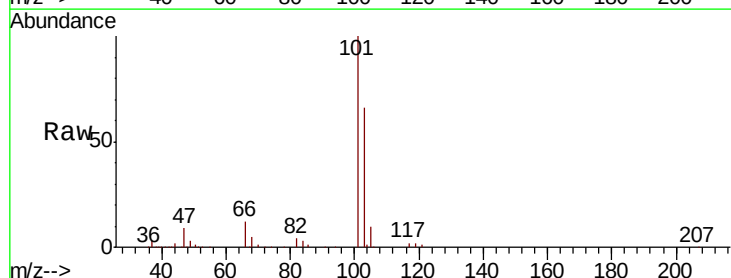
Acq: 18 Sep 2020 12:55

Tgt Ion:101 Resp: 163990

Ion Ratio Lower Upper

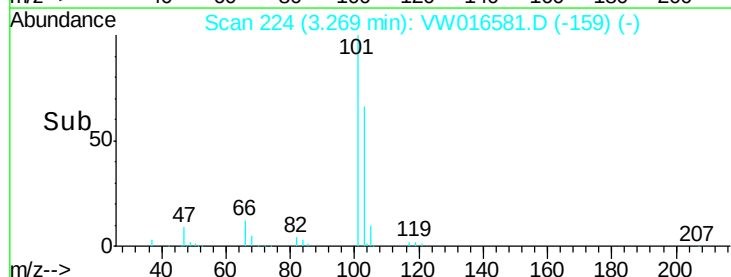
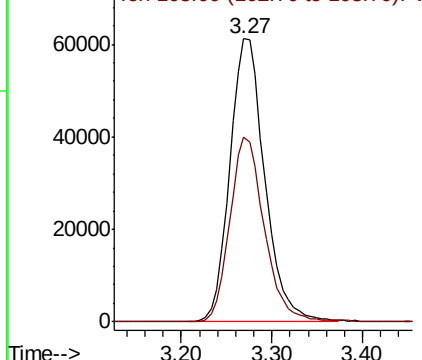
101 100

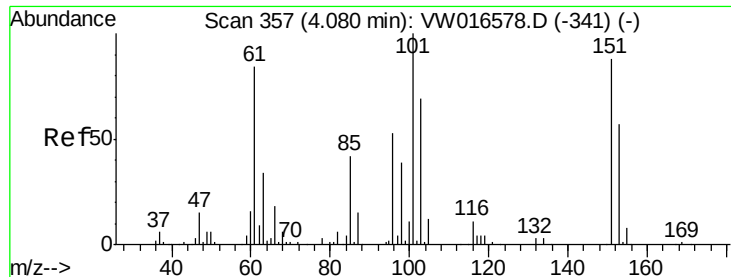
103 64.3 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 23.581 ug/L

RT: 4.08 min Scan# 357

Delta R.T. -0.00 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

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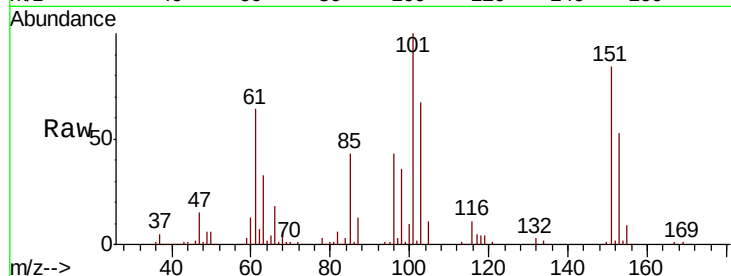
Tot Ion:101 Resp: 181481

Ion Ratio Lower Upper

101 100

85 41.3 32.2 48.2

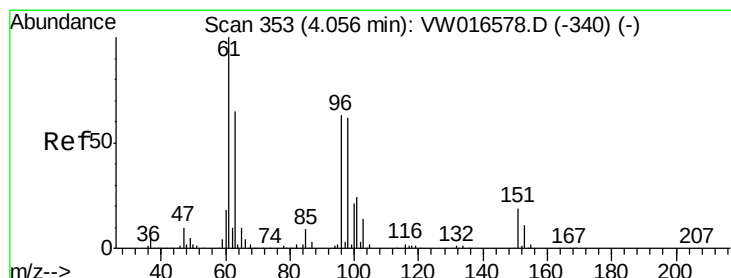
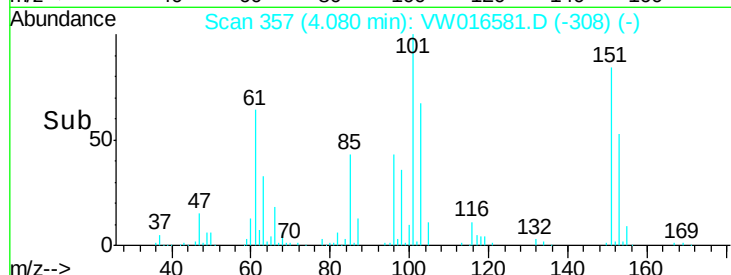
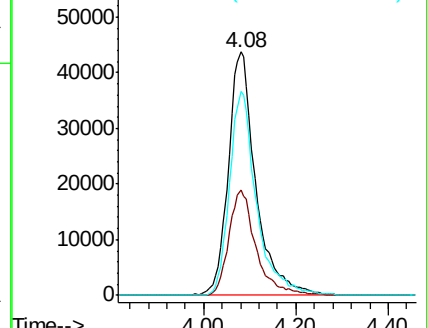
151 80.0 66.8 100.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 22.718 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

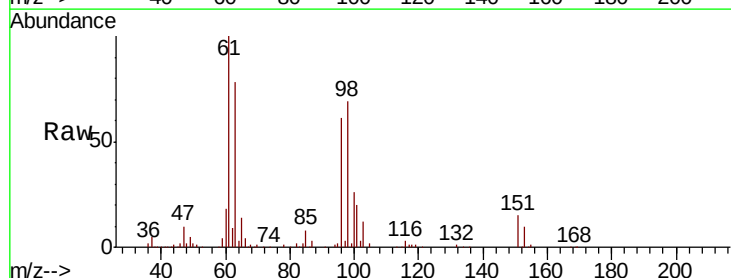
Tgt Ion: 96 Resp: 174872

Ion Ratio Lower Upper

96 100

61 162.8 112.1 208.3

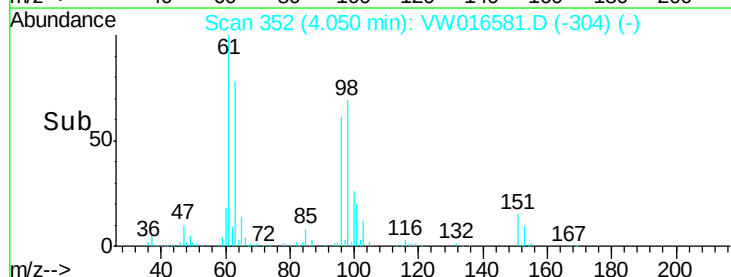
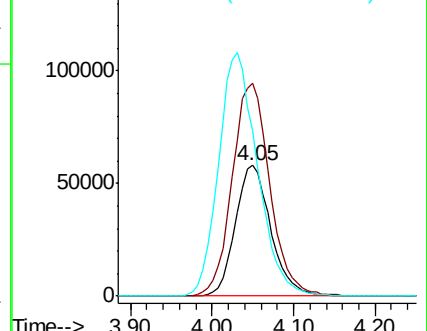
63 126.9 74.2 137.8

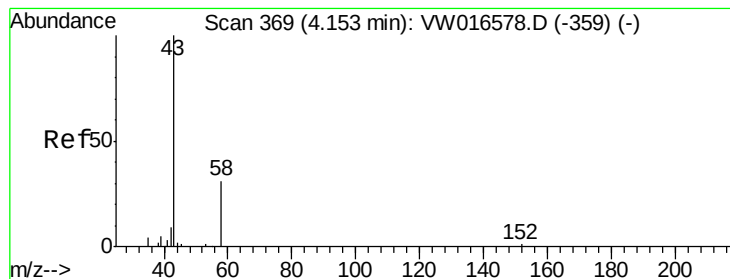


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 42.466 ug/L

RT: 4.15 min Scan# 368

Delta R.T. -0.01 min

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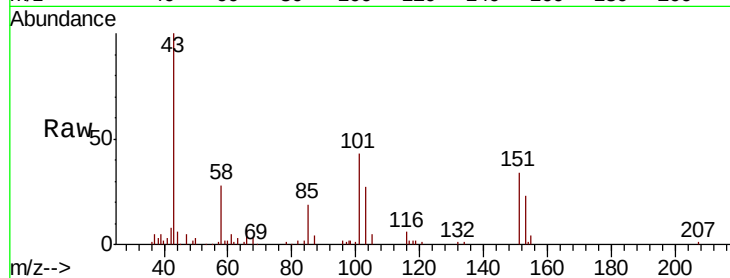
BFB101

Tot Ion: 43 Resp: 43188

Ion Ratio Lower Upper

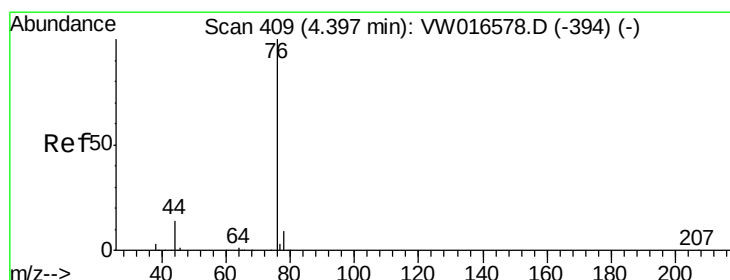
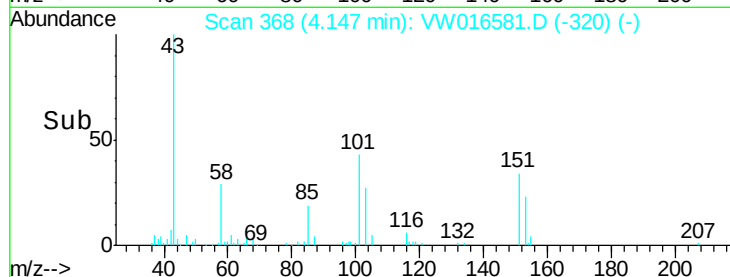
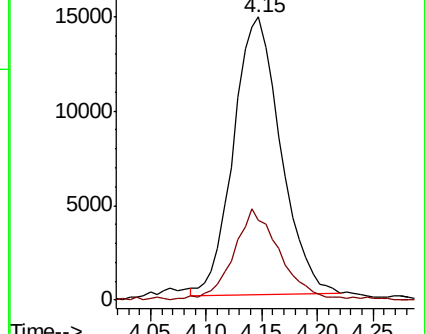
43 100

58 31.4 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.017 ug/L

RT: 4.40 min Scan# 409

Delta R.T. -0.00 min

Lab File: VW016581.D

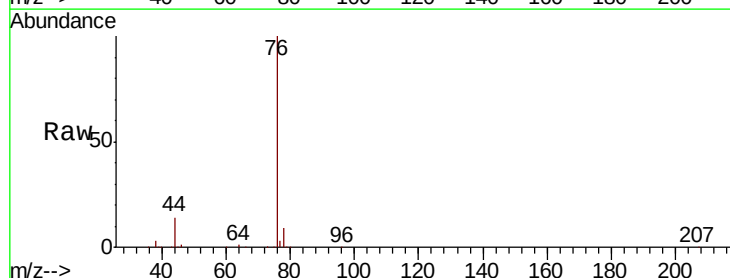
Acq: 18 Sep 2020 12:55

Tgt Ion: 76 Resp: 526138

Ion Ratio Lower Upper

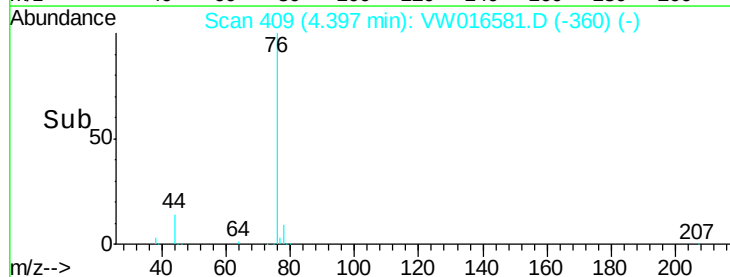
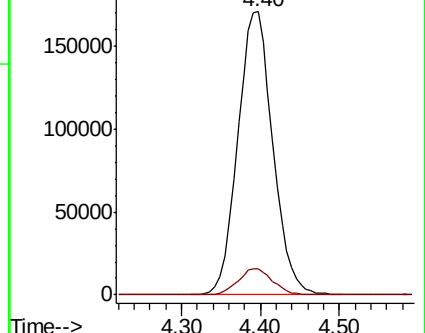
76 100

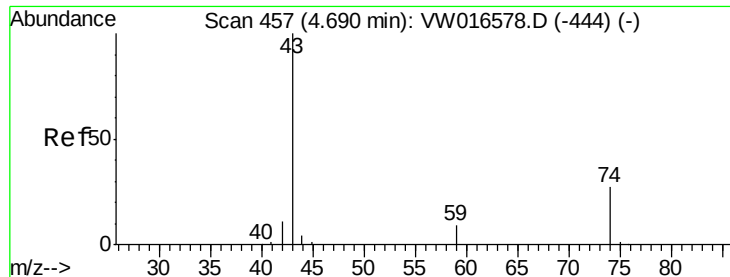
78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

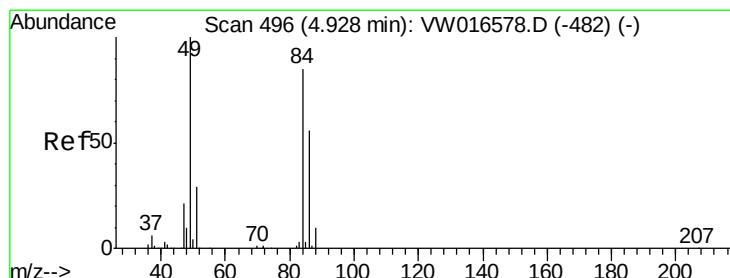
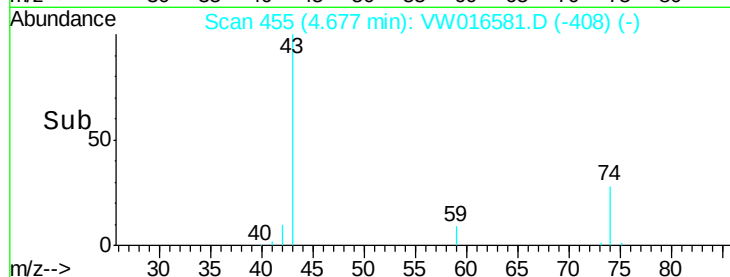
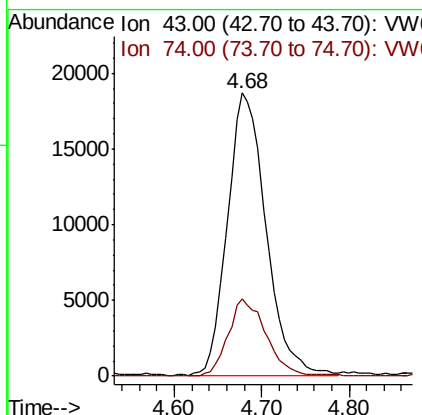
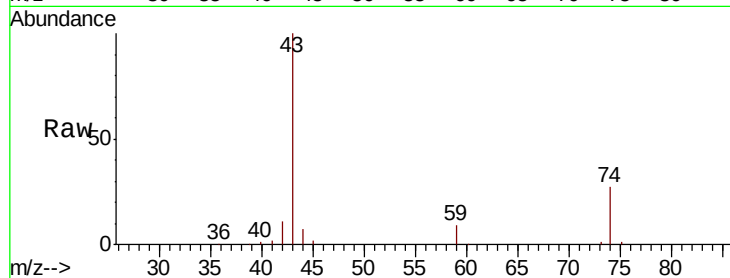




#15
Methvl Acetate
Concen: 22.873 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW016581.D
Acq: 18 Sep 2020 12:55

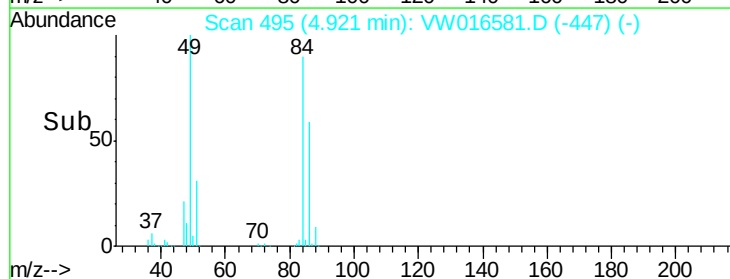
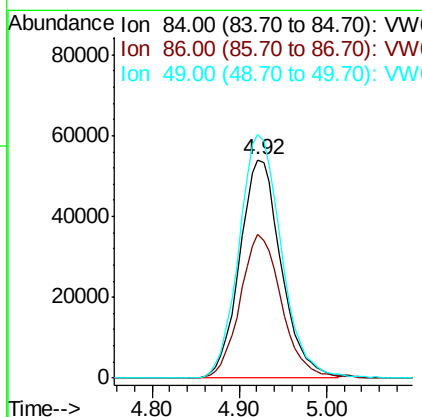
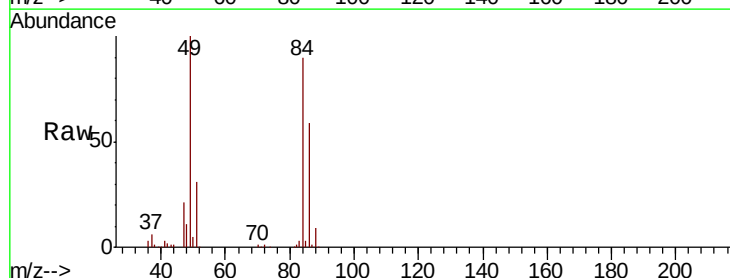
Instrument :
MSVOA_W
ClientSampled :
BFB101

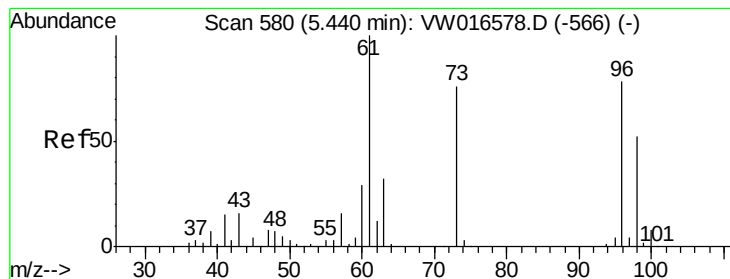
Tot Ion: 43 Resp: 57097
Ion Ratio Lower Upper
43 100
74 26.8 21.9 32.9



#16
Methylene chloride
Concen: 20.458 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW016581.D
Acq: 18 Sep 2020 12:55

Tgt Ion: 84 Resp: 178920
Ion Ratio Lower Upper
84 100
86 65.9 46.2 85.8
49 111.6 82.8 153.8





#17

trans-1,2-Dichloroethene

Concen: 22.882 ug/L

RT: 5.44 min Scan# 580

Delta R.T. -0.00 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

BFB101

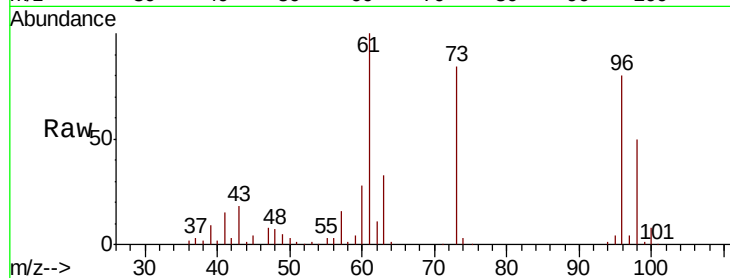
Tot Ion: 96 Resp: 182737

Ion Ratio Lower Upper

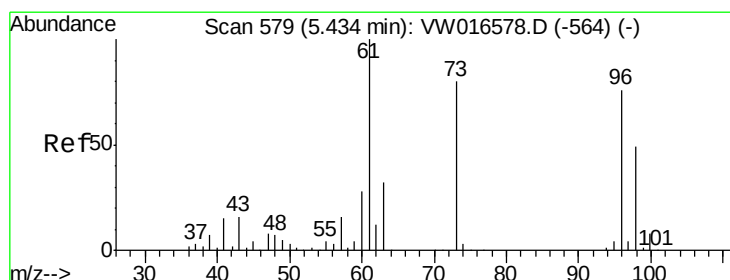
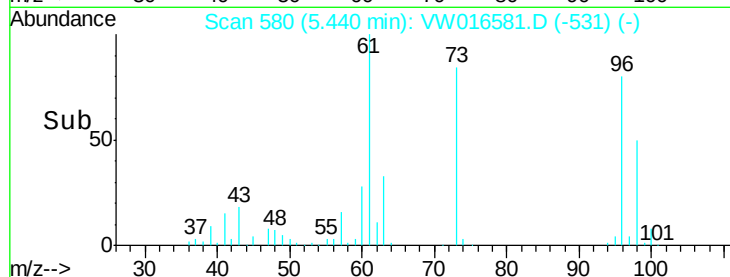
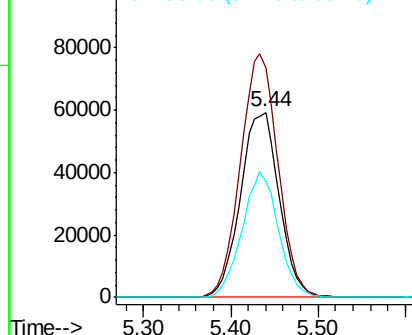
96 100

61 124.4 89.7 166.7

98 62.6 46.4 86.2



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



#18

Methyl tert-butyl Ether

Concen: 23.290 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

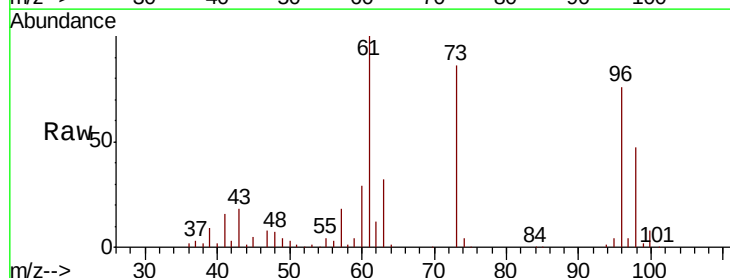
Tgt Ion: 73 Resp: 228468

Ion Ratio Lower Upper

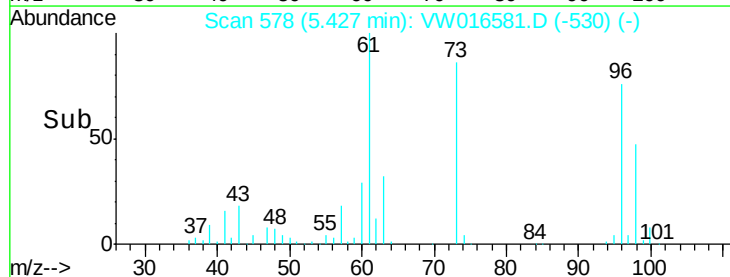
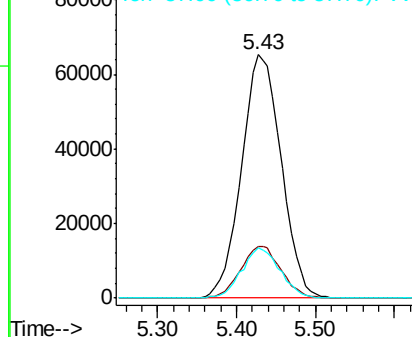
73 100

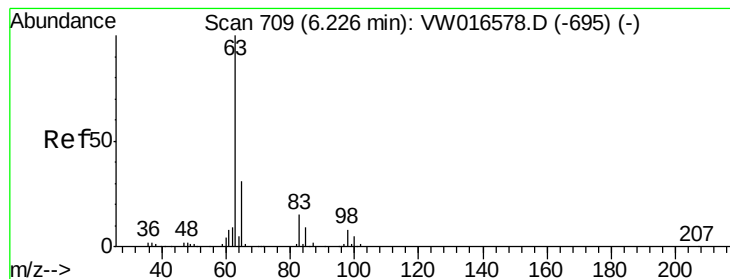
43 21.6 17.0 25.6

57 20.1 16.3 24.5



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW





#19

1,1-Dichloroethane

Concen: 22.978 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.01 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

BFB101

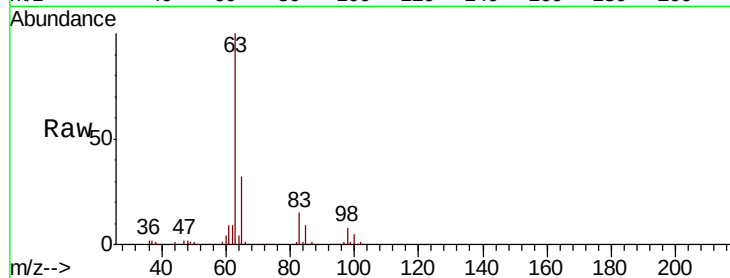
Tot Ion: 63 Resp: 290682

Ion Ratio Lower Upper

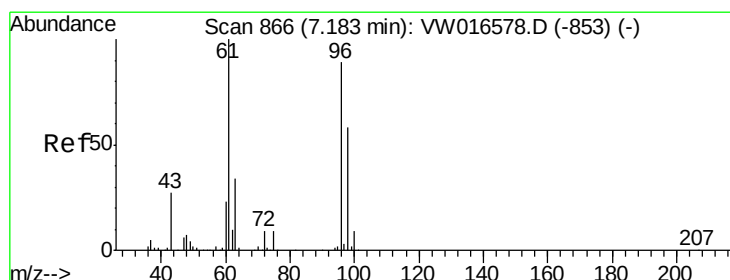
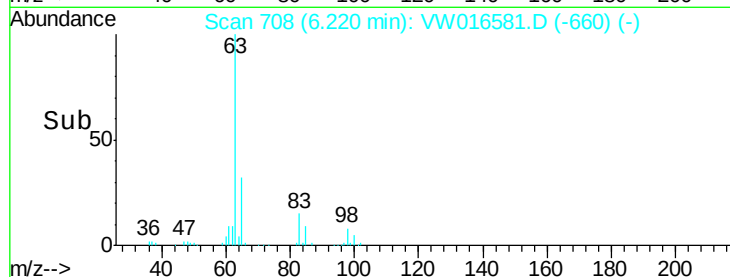
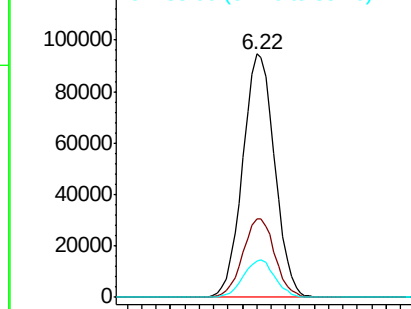
63 100

65 32.3 21.8 40.6

83 15.1 10.2 19.0



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



#20

cis-1,2-Dichloroethene

Concen: 23.150 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

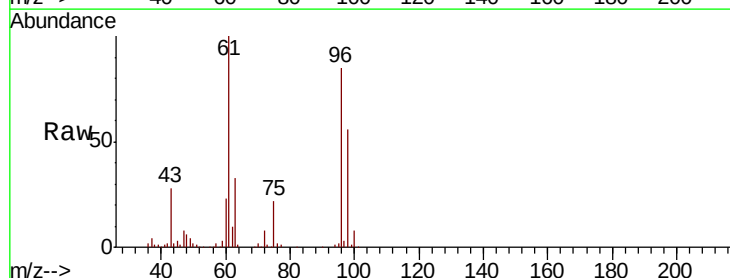
Tgt Ion: 96 Resp: 192167

Ion Ratio Lower Upper

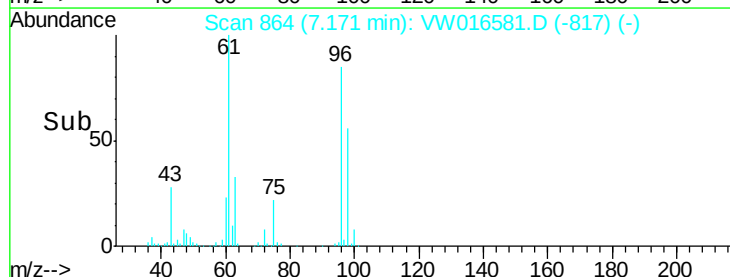
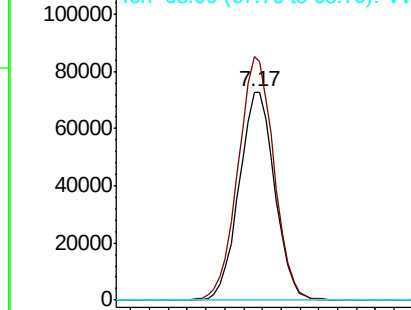
96 100

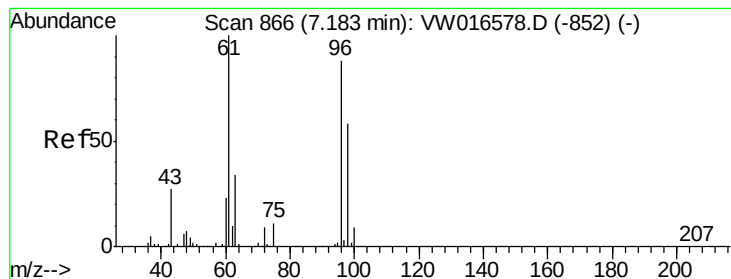
61 117.1 79.2 147.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 68.00 (67.70 to 68.70): VW





#22

2-Butanone

Concen: 40.893 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

Instrument :

MSVOA_W

ClientSampled :

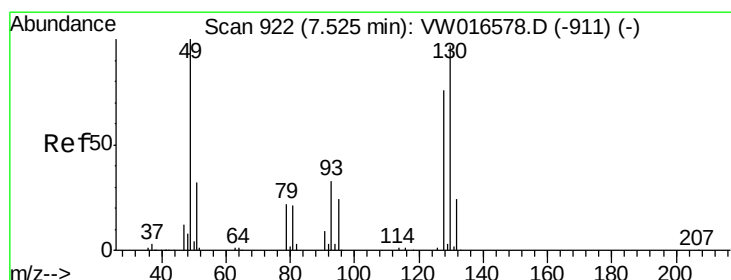
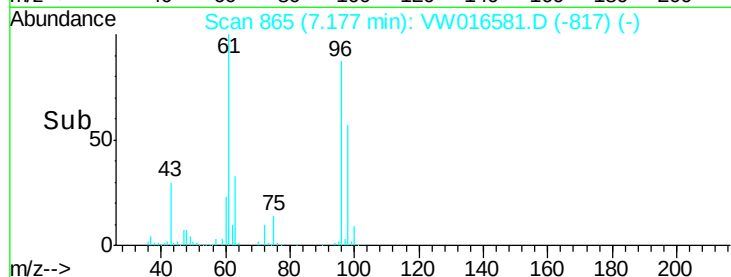
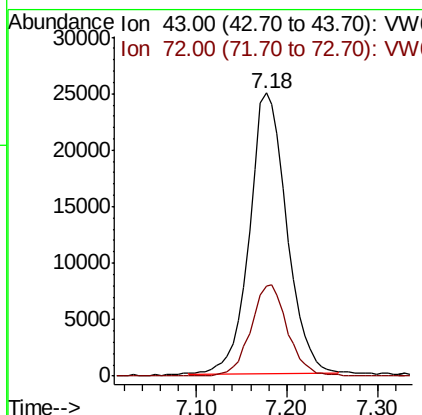
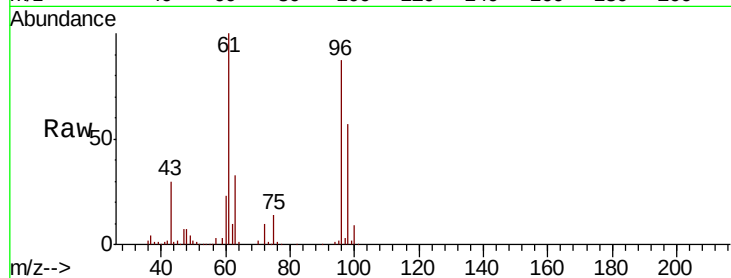
BFB101

Tot Ion: 43 Resp: 70708

Ion Ratio Lower Upper

43 100

72 32.1 15.7 47.0



#23

Bromochloromethane

Concen: 23.571 ug/L

RT: 7.52 min Scan# 921

Delta R.T. -0.01 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

Tgt Ion: 128 Resp: 91995

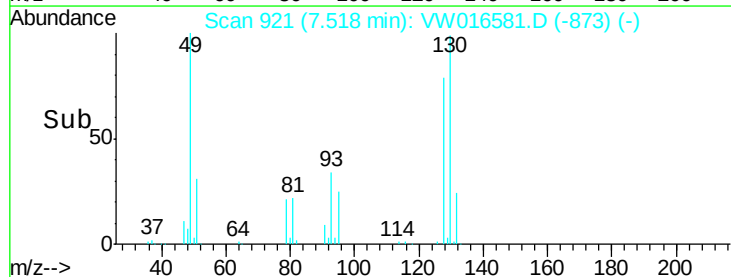
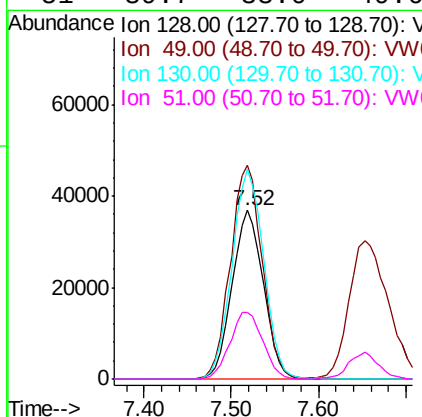
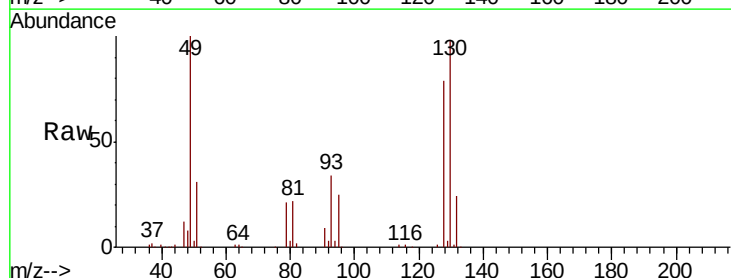
Ion Ratio Lower Upper

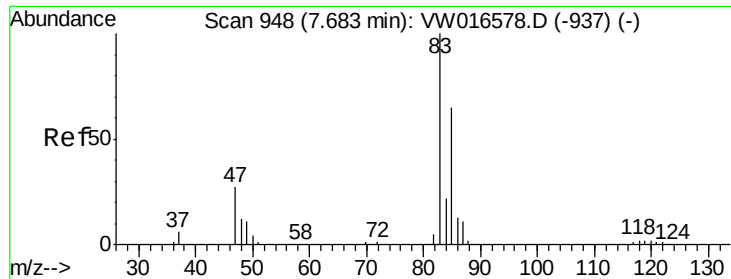
128 100

49 126.5 91.5 169.9

130 124.2 89.0 165.4

51 39.7 33.0 49.6

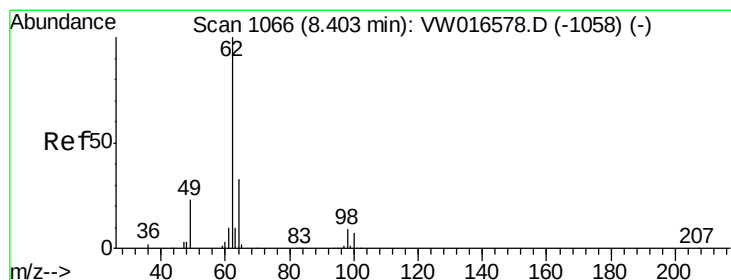
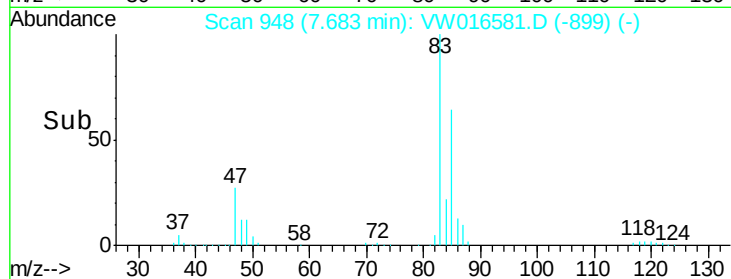
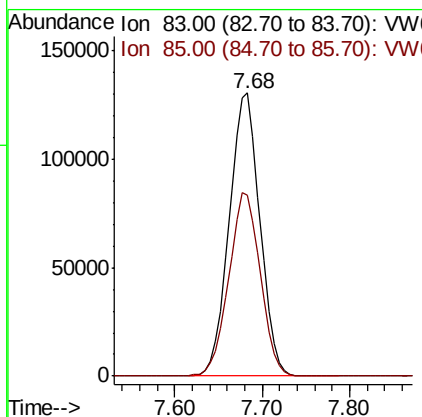
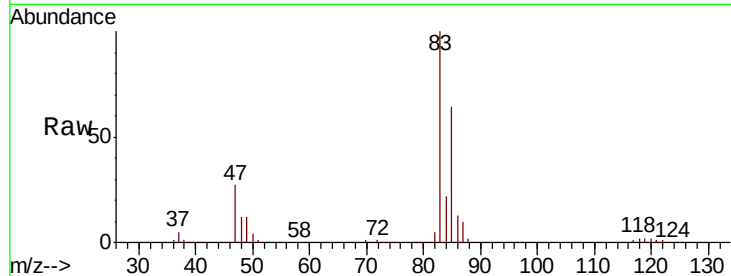




#25
Chloroform
Concen: 22.980 ug/L
RT: 7.68 min Scan# 948
Delta R.T. -0.00 min
Lab File: VW016581.D
Acq: 18 Sep 2020 12:55

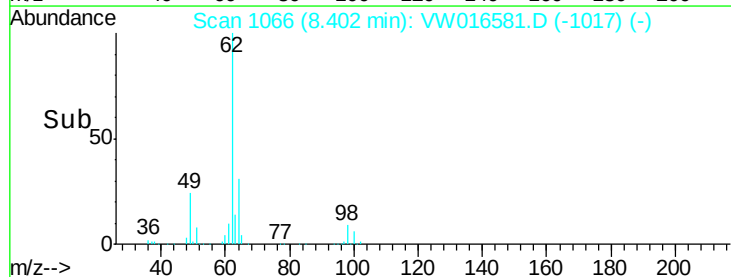
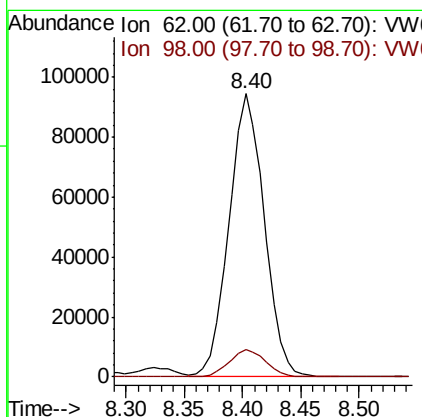
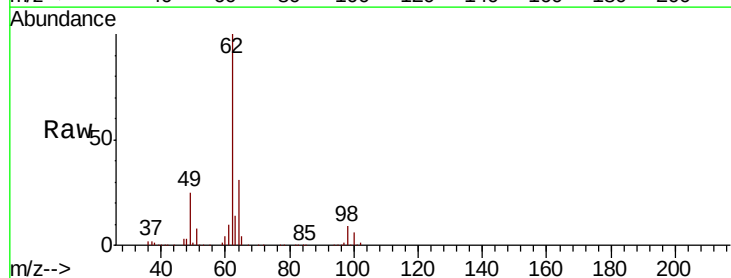
Instrument :
MSVOA_W
ClientSampled :
BFB101

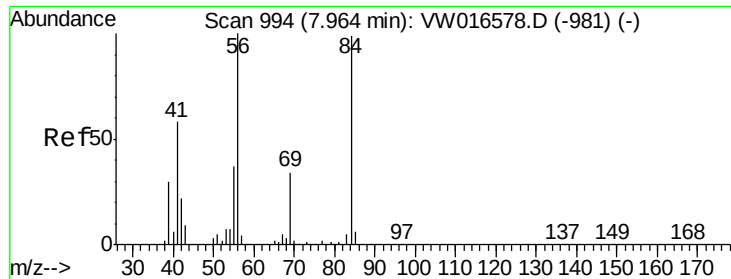
Tot Ion: 83 Resp: 318031
Ion Ratio Lower Upper
83 100
85 64.1 45.4 84.4



#27
1,2-Dichloroethane
Concen: 23.128 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016581.D
Acq: 18 Sep 2020 12:55

Tgt Ion: 62 Resp: 198735
Ion Ratio Lower Upper
62 100
98 9.5 7.3 10.9

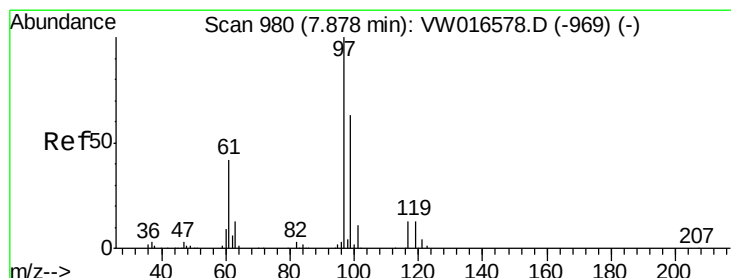
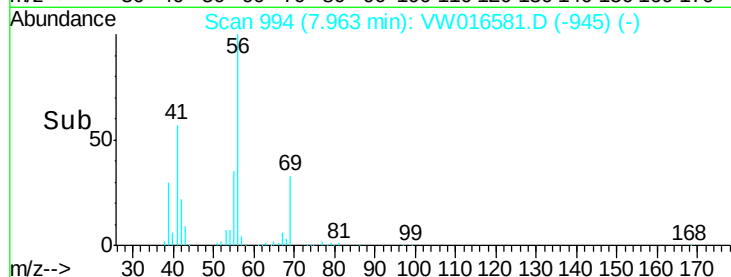
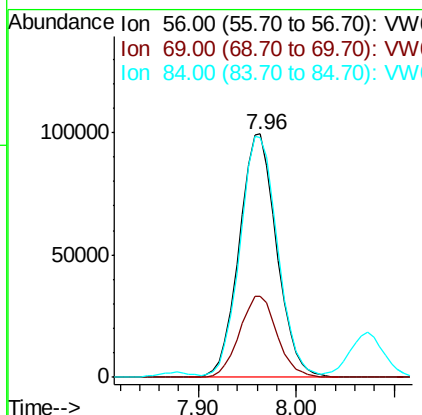
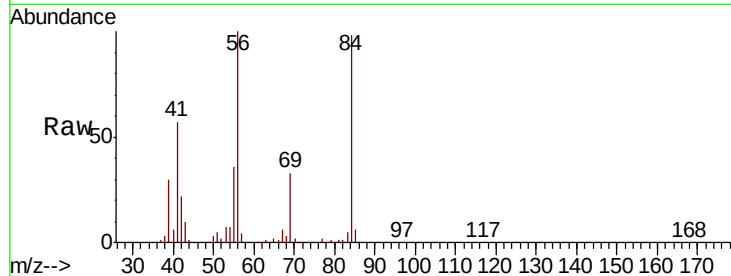




#29
Cyclohexane
Concen: 21.860 ug/L
RT: 7.96 min Scan# 994
Delta R.T. -0.00 min
Lab File: VW016581.D
Acq: 18 Sep 2020 12:55

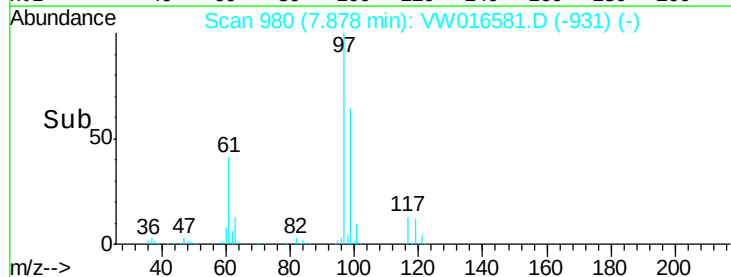
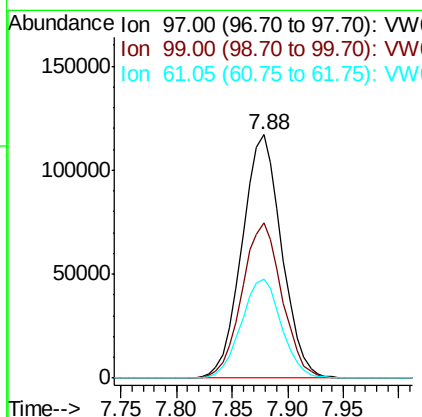
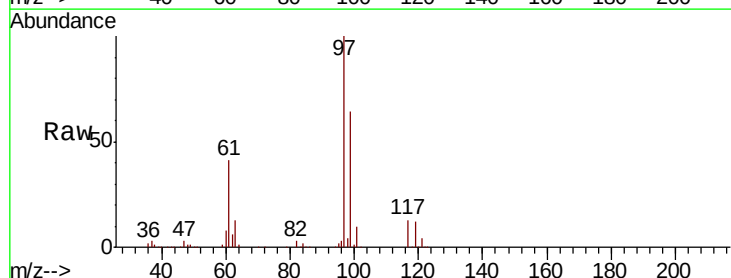
Instrument :
MSVOA_W
ClientSampleId :
BFB101

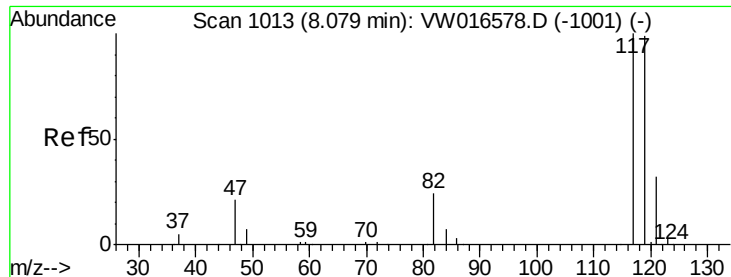
Tot Ion: 56 Resp: 264079
Ion Ratio Lower Upper
56 100
69 33.4 26.4 39.6
84 99.1 79.9 119.9



#30
1,1,1-Trichloroethane
Concen: 22.491 ug/L
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW016581.D
Acq: 18 Sep 2020 12:55

Tgt Ion: 97 Resp: 289967
Ion Ratio Lower Upper
97 100
99 64.2 50.9 76.3
61 41.4 33.2 49.8





#31

Carbon tetrachloride

Concen: 22.501 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

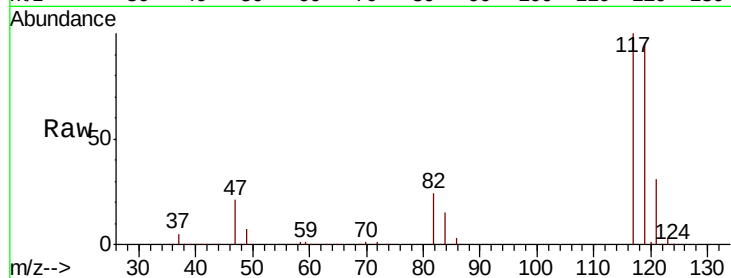
BFB101

Tot Ion:117 Resp: 282505

Ion Ratio Lower Upper

117 100

119 96.8 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

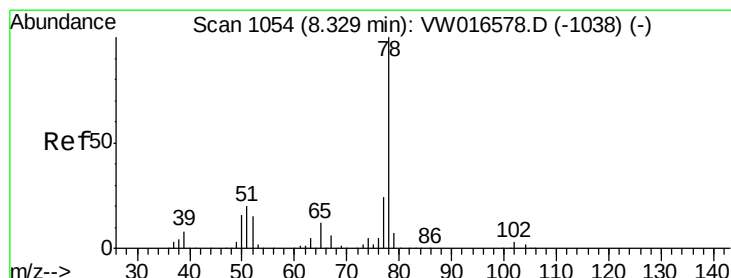
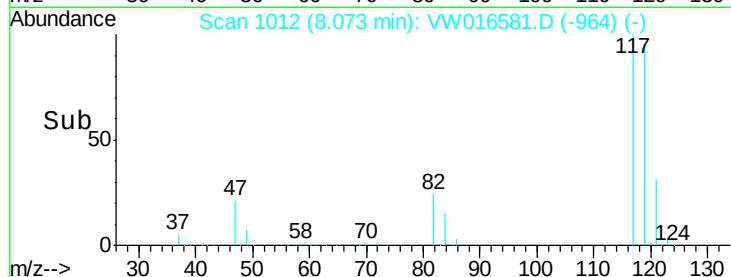
100000

50000

0

Time-->

8.00 8.10 8.20



#33

Benzene

Concen: 22.299 ug/L

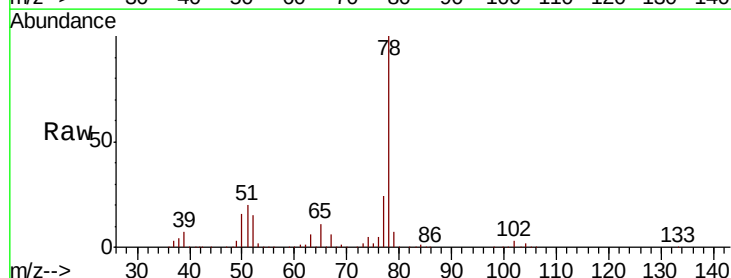
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

Tgt Ion: 78 Resp: 668419



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

300000

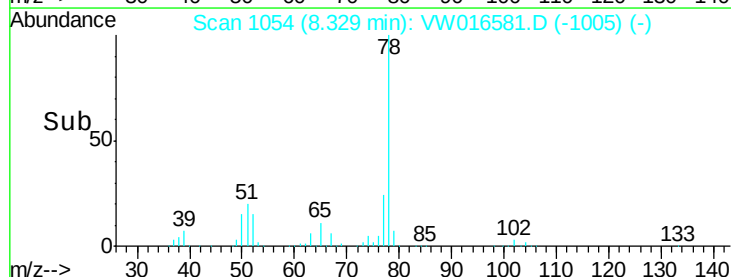
200000

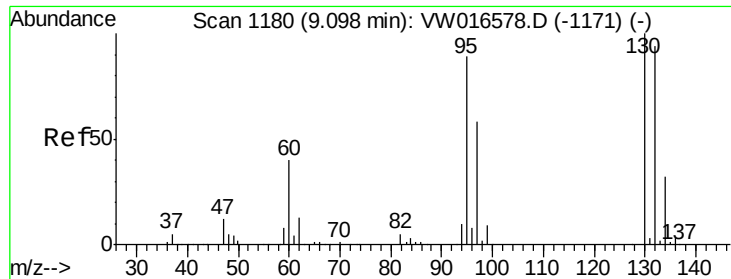
100000

0

Time-->

8.20 8.30 8.40

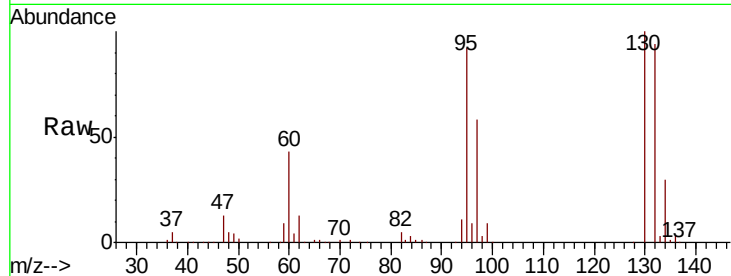




#34
 Trichloroethene
 Concen: 22.301 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VW016581.D
 Acq: 18 Sep 2020 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB101

Tot Ion:	95	Resp:	191749
Ion	Ratio	Lower	Upper
95	100		
97	63.6	45.1	83.9
132	102.2	73.8	137.2
130	109.0	78.3	145.5



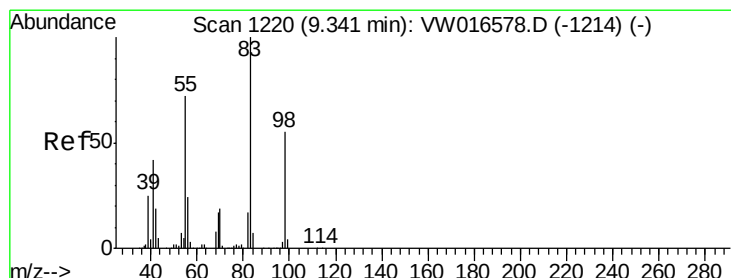
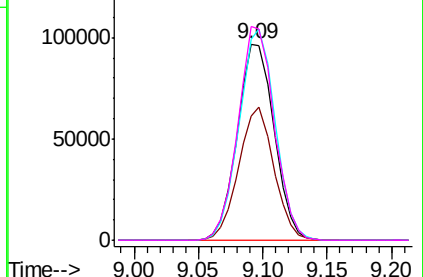
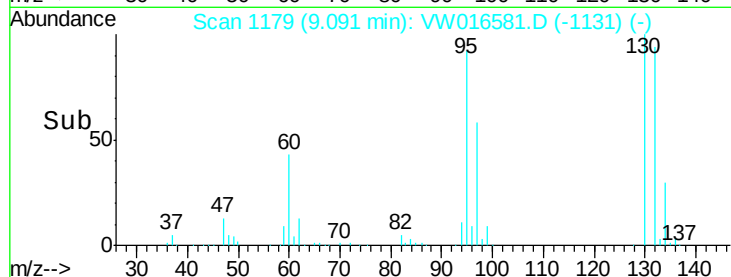
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

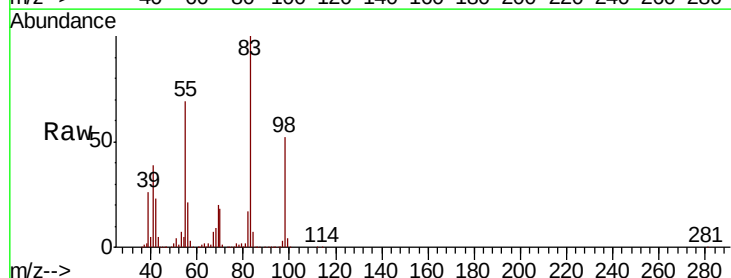
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35
 Methylcyclohexane
 Concen: 22.266 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VW016581.D
 Acq: 18 Sep 2020 12:55

Tgt Ion:	83	Resp:	319795
Ion	Ratio	Lower	Upper
83	100		
55	69.3	55.9	83.9
98	52.3	41.5	62.3

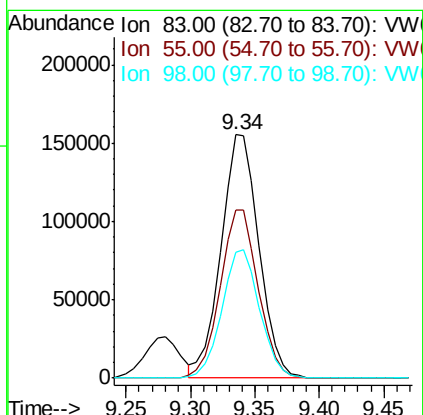
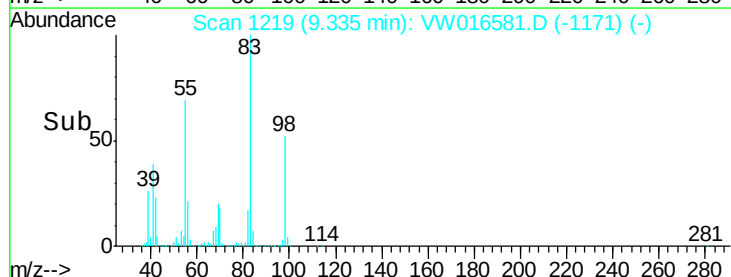


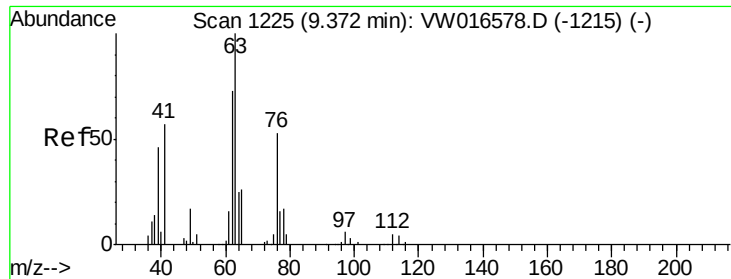
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

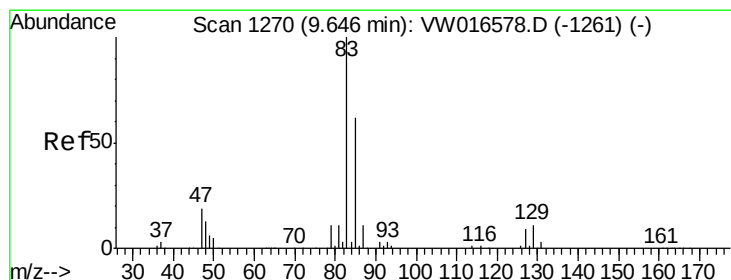
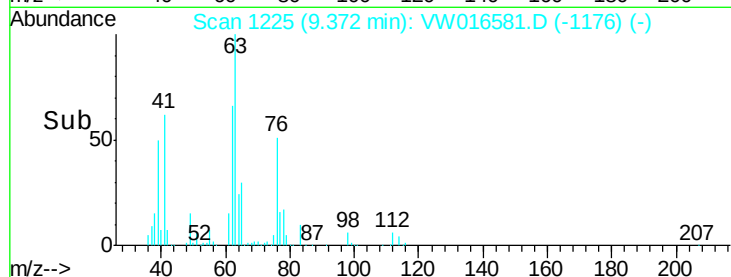
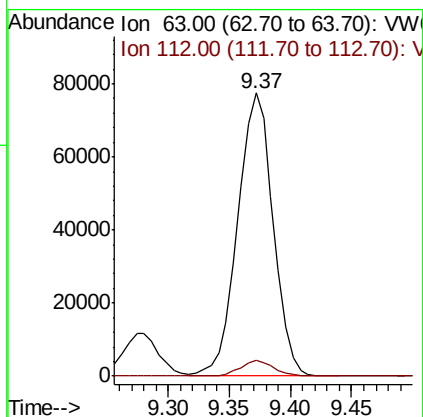
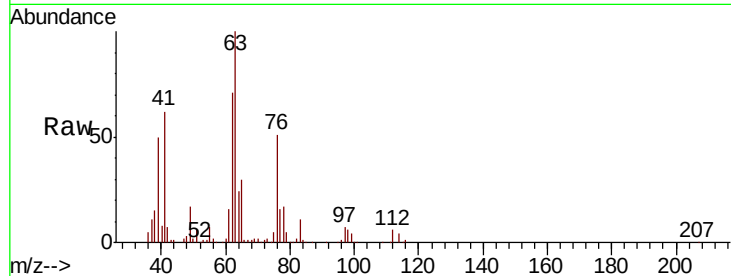




#37
 1,2-Dichloropropane
 Concen: 22.787 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016581.D
 Acq: 18 Sep 2020 12:55

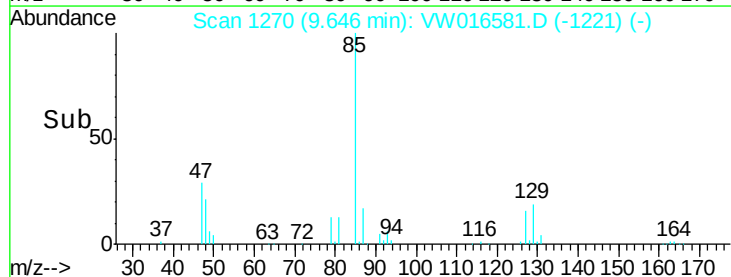
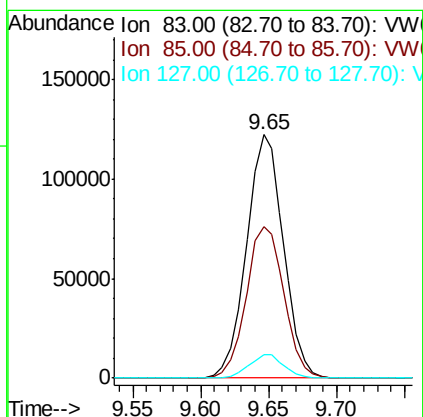
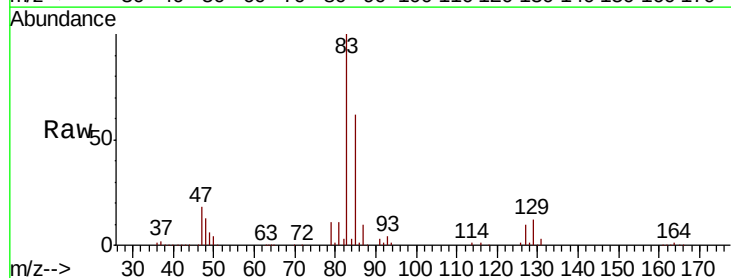
Instrument :
 MSVOA_W
 ClientSampled :
 BFB101

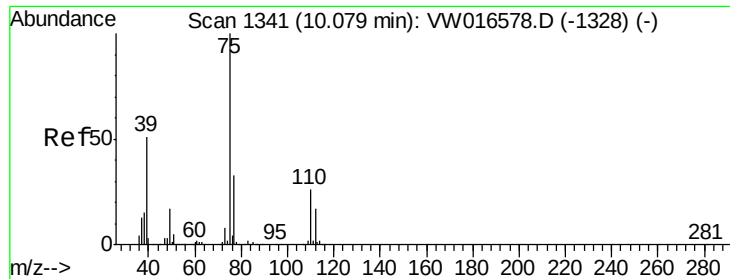
Tot Ion: 63 Resp: 155744
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.2 6.4



#38
 Bromodichloromethane
 Concen: 22.883 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016581.D
 Acq: 18 Sep 2020 12:55

Tgt Ion: 83 Resp: 231937
 Ion Ratio Lower Upper
 83 100
 85 62.0 43.7 81.1
 127 9.8 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 22.599 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

Instrument :

MSVOA_W

ClientSampled :

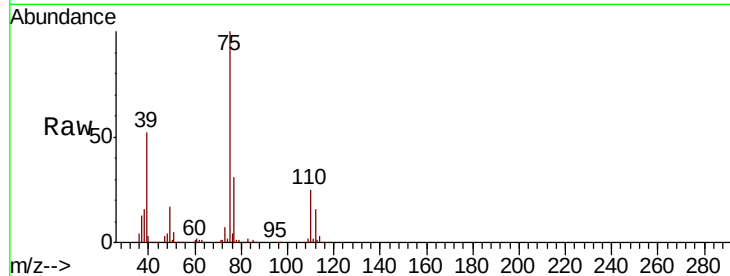
BFB101

Tot Ion: 75 Resp: 263662

Ion Ratio Lower Upper

75 100

77 31.2 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

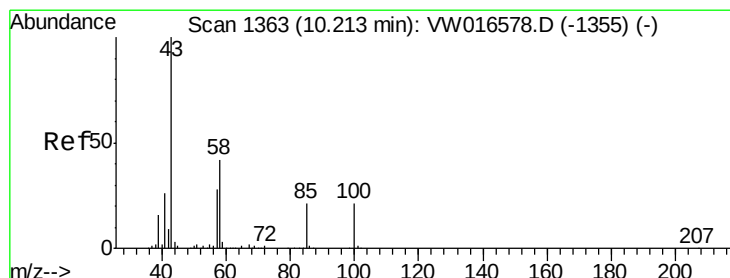
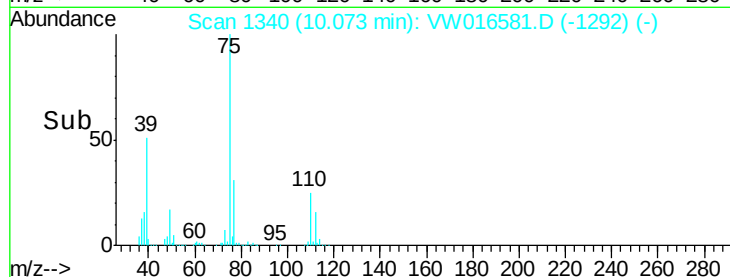
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 43.801 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

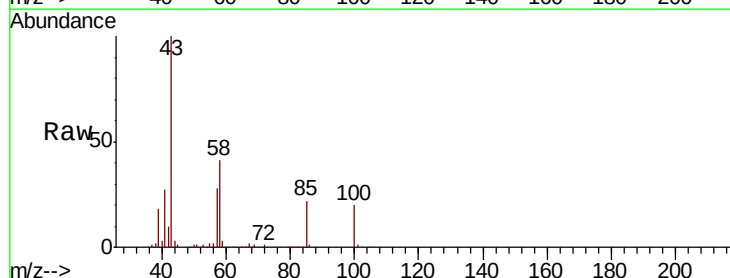
Tgt Ion: 43 Resp: 167737

Ion Ratio Lower Upper

43 100

58 40.6 33.0 49.4

100 20.3 16.0 24.0



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

250000

200000

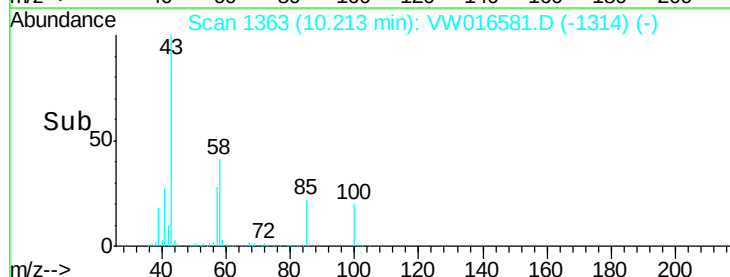
150000

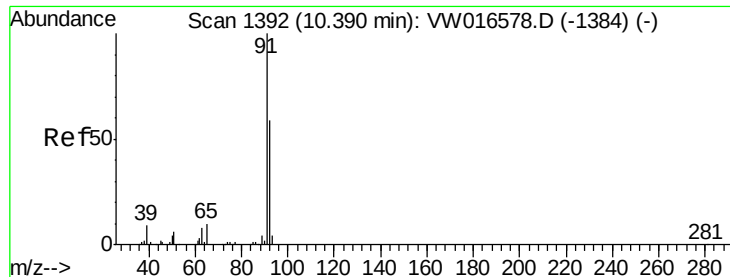
100000

50000

0

Time-->





#42

Toluene

Concen: 22.318 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

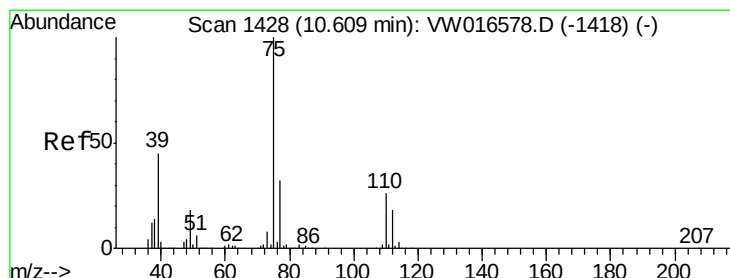
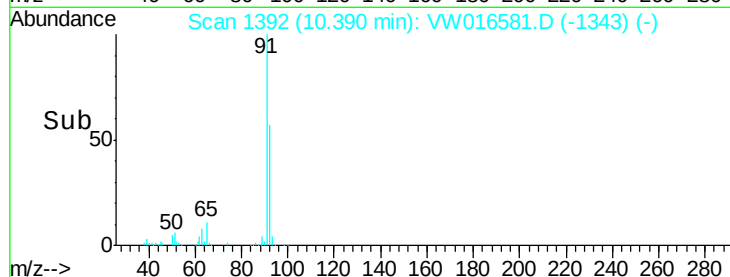
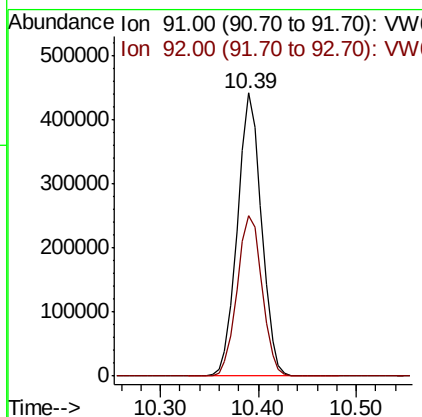
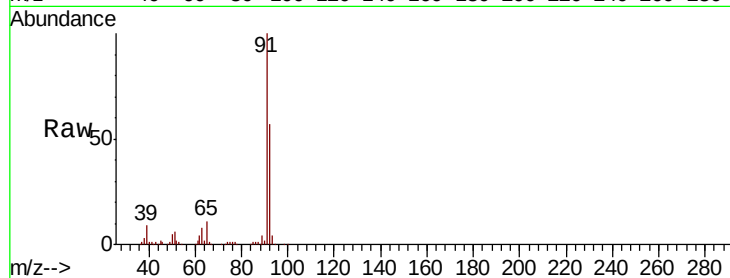
BFB101

Tot Ion: 91 Resp: 753670

Ion Ratio Lower Upper

91 100

92 56.7 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 22.860 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016581.D

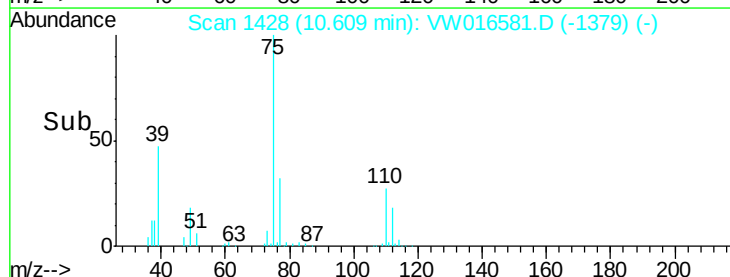
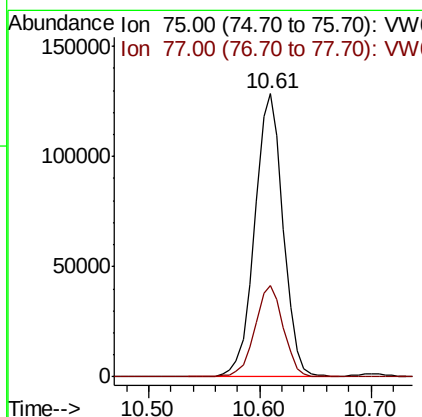
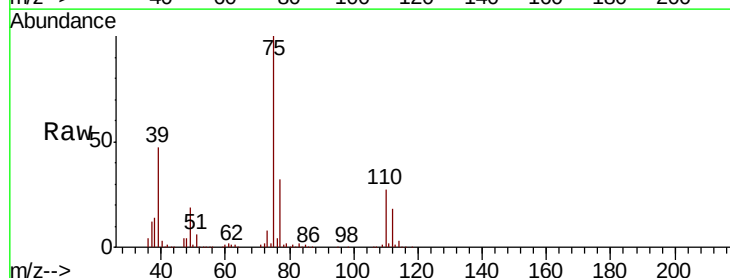
Acq: 18 Sep 2020 12:55

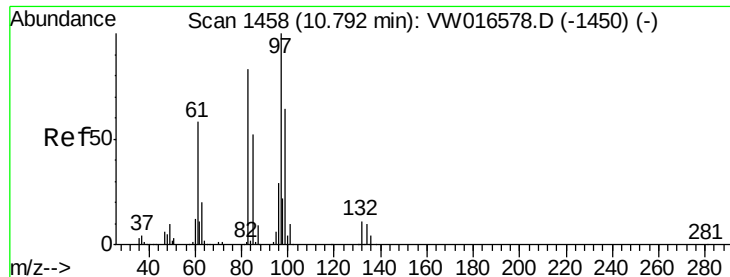
Tgt Ion: 75 Resp: 228748

Ion Ratio Lower Upper

75 100

77 32.4 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 22.727 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

Instrument :

MSVOA_W

ClientSampled :

BFB101

Tot Ion: 97 Resp: 126166

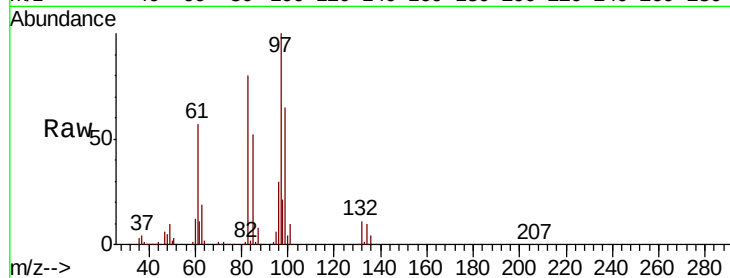
Ion Ratio Lower Upper

97 100

99 64.8 44.5 82.7

83 80.3 58.4 108.4

85 52.2 36.8 68.3

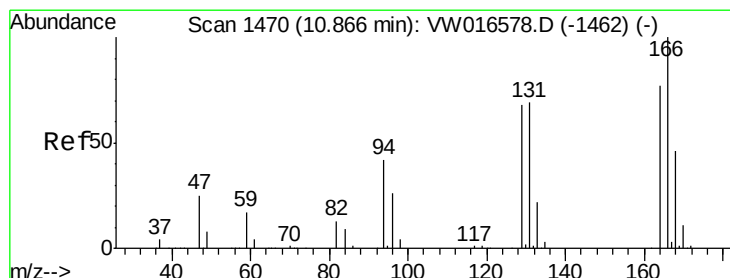
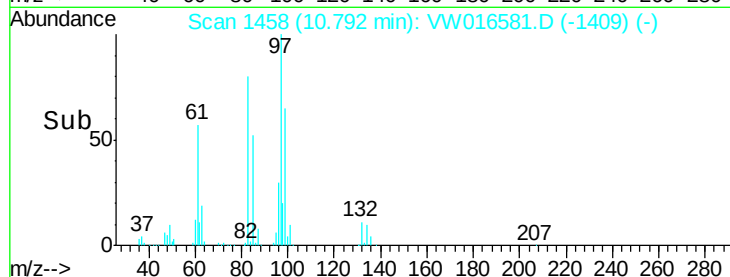
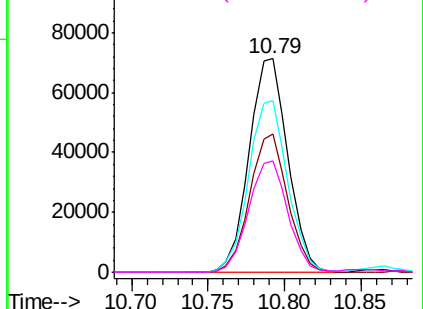


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#46

Tetrachloroethene

Concen: 21.725 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

Tgt Ion: 164 Resp: 168495

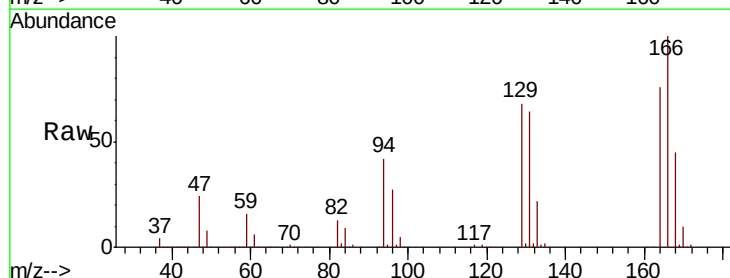
Ion Ratio Lower Upper

164 100

129 89.5 61.4 114.0

131 84.5 62.8 116.6

166 131.8 90.8 168.6

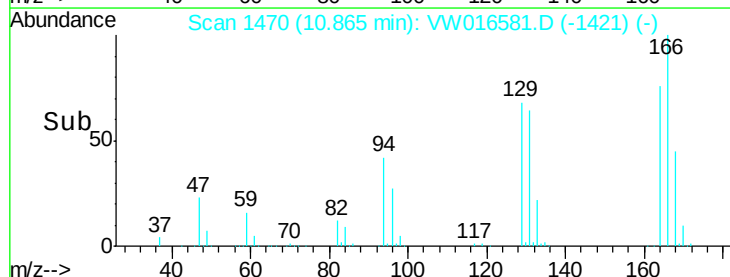
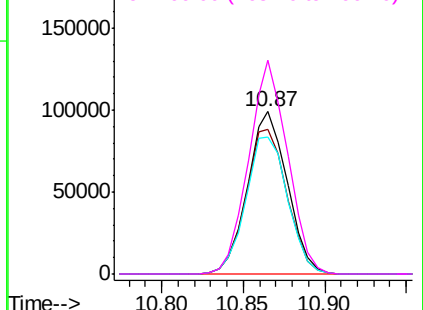


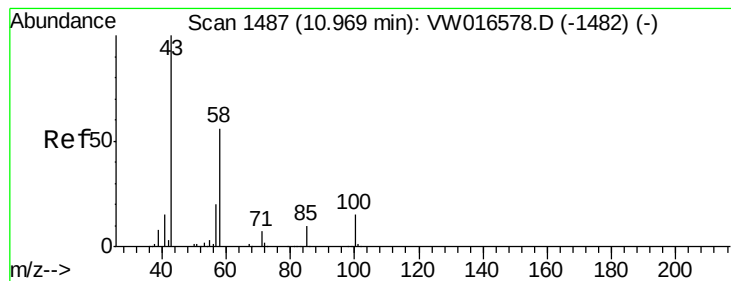
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 45.782 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

BFB101

Tot Ion: 43 Resp: 109018

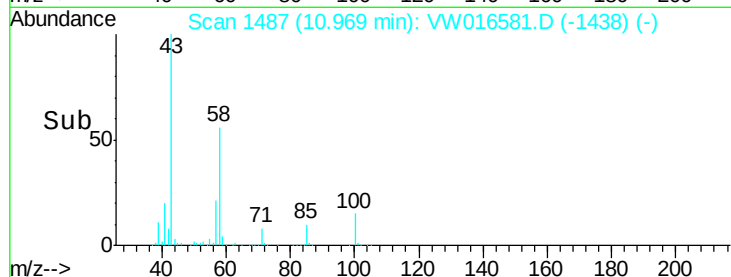
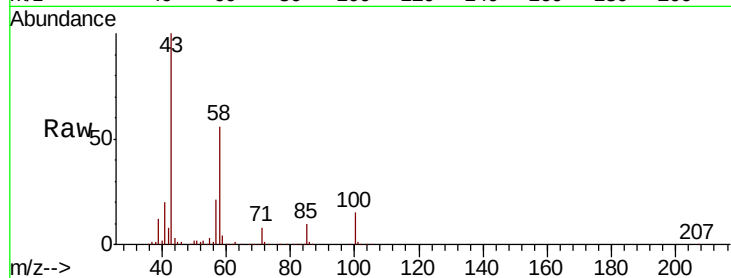
Ion Ratio Lower Upper

43 100

58 57.1 45.9 68.9

57 19.7 16.6 24.8

100 15.5 12.3 18.5

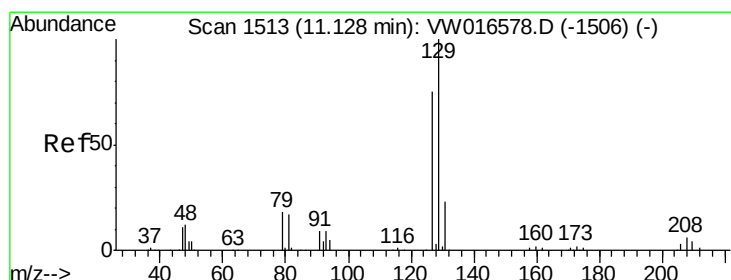
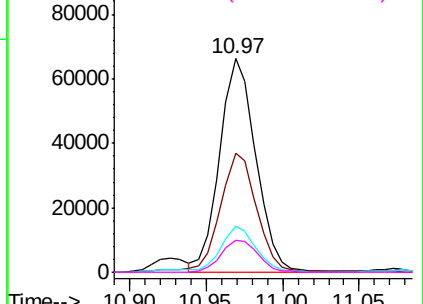


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#49

Dibromochloromethane

Concen: 23.572 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW016581.D

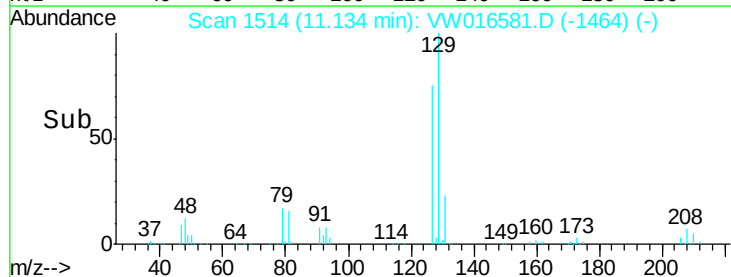
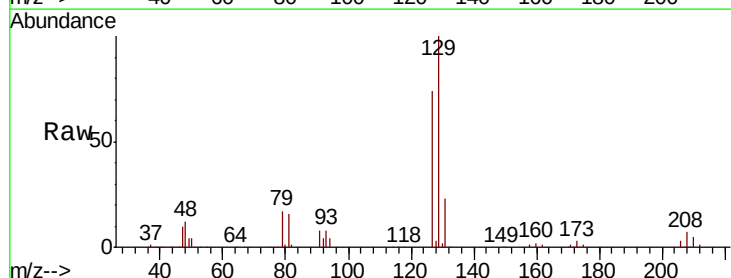
Acq: 18 Sep 2020 12:55

Tgt Ion: 129 Resp: 171760

Ion Ratio Lower Upper

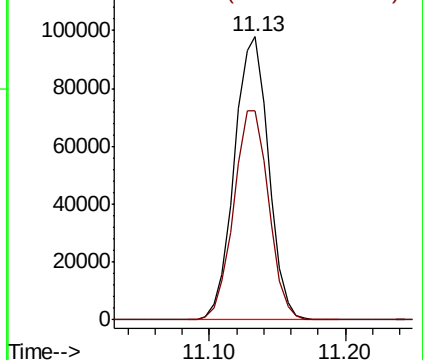
129 100

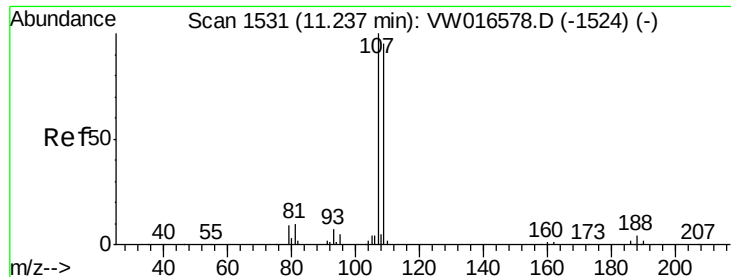
127 73.9 52.5 97.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

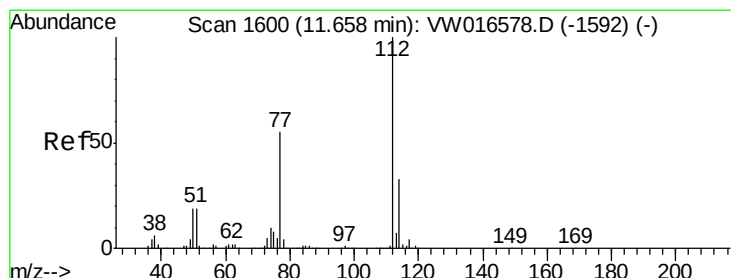
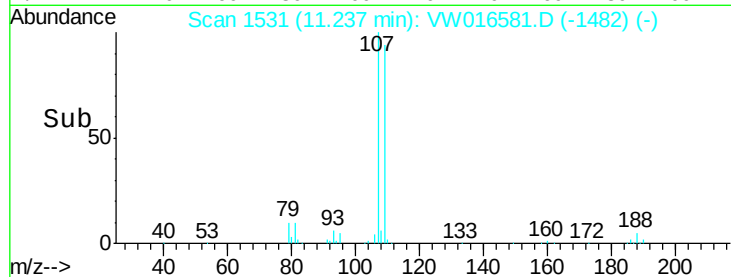
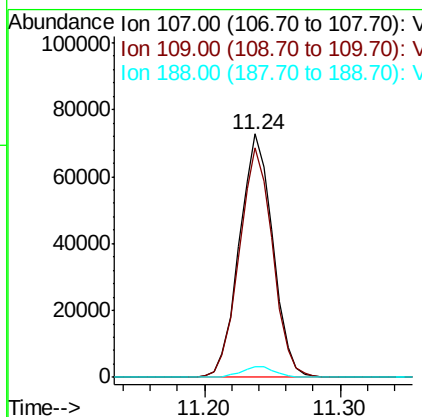
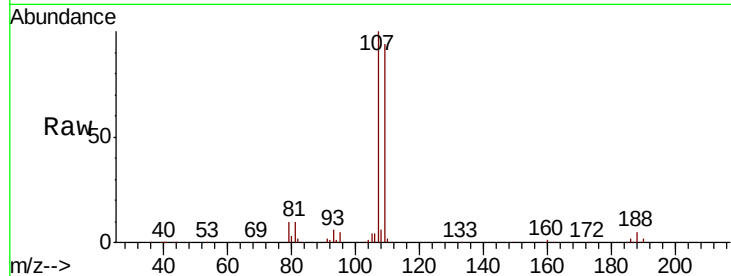




#50
1,2-Dibromoethane
Concen: 22.691 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW016581.D
Acq: 18 Sep 2020 12:55

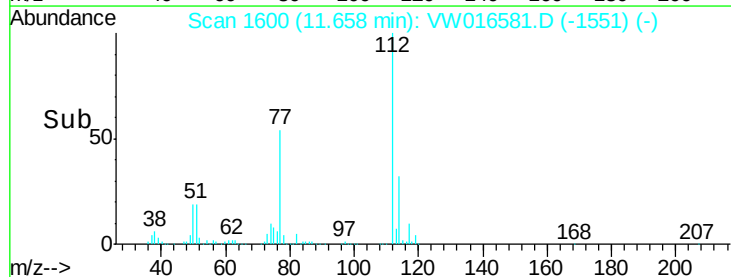
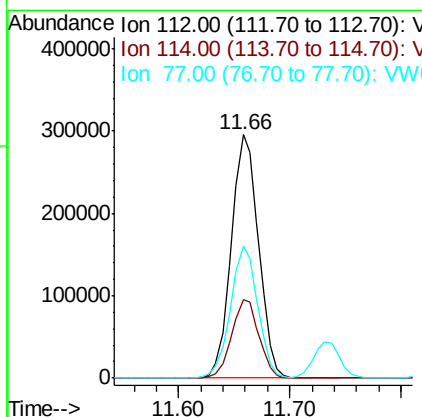
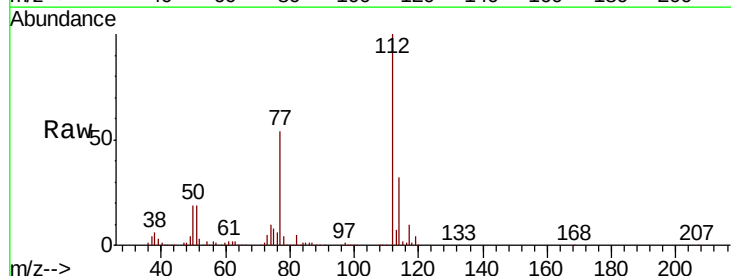
Instrument :
MSVOA_W
ClientSampleId :
BFB101

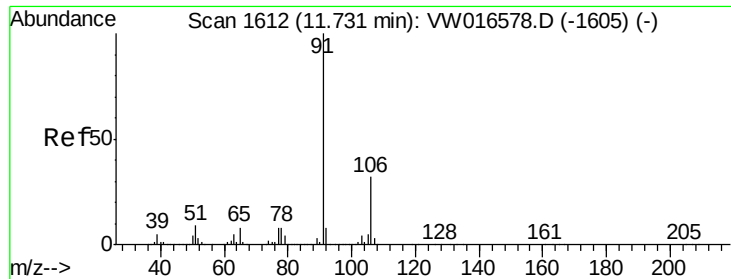
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	66.2	123.0
188	4.5	3.3	4.9



#51
Chlorobenzene
Concen: 22.270 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016581.D
Acq: 18 Sep 2020 12:55

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.9	42.5
77	54.5	43.8	65.8

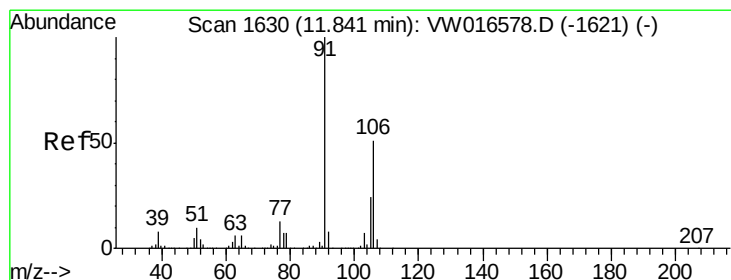
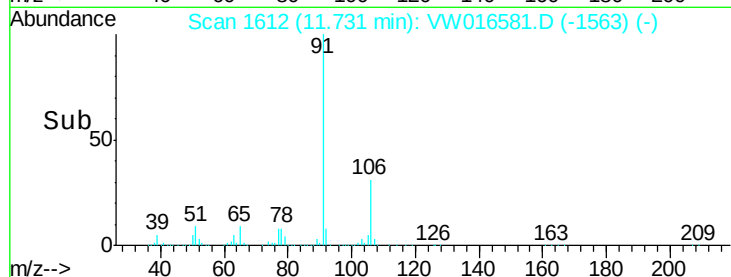
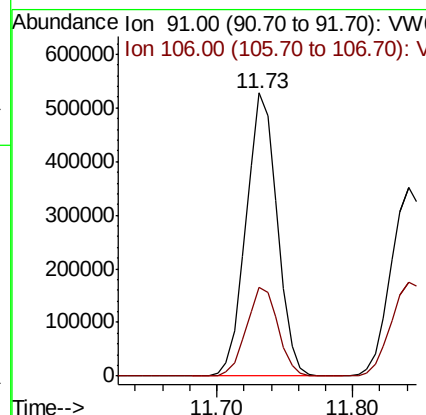
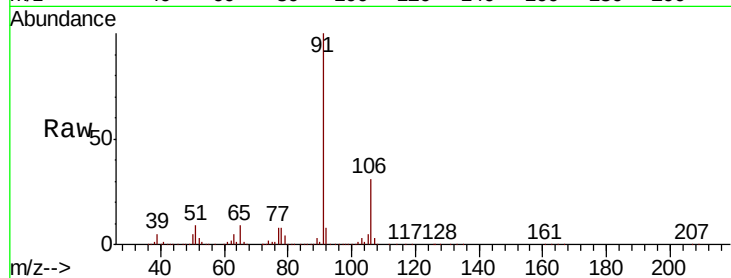




#52
Ethylbenzene
Concen: 22.279 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016581.D
Acq: 18 Sep 2020 12:55

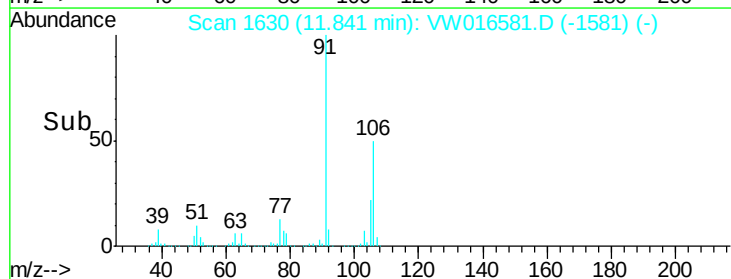
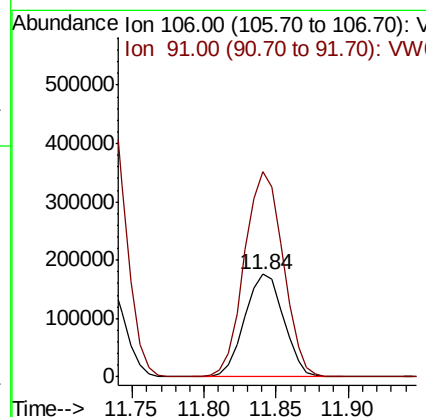
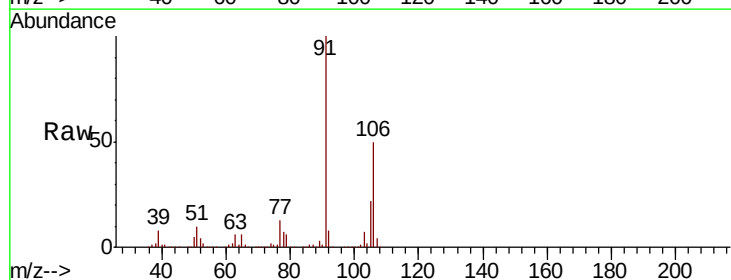
Instrument :
MSVOA_W
ClientSampleId :
BFB101

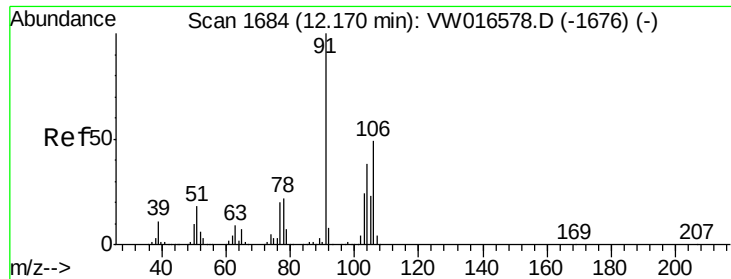
Tot Ion: 91 Resp: 847079
Ion Ratio Lower Upper
91 100
106 31.5 22.0 41.0



#53
m,p-Xylene
Concen: 22.311 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016581.D
Acq: 18 Sep 2020 12:55

Tgt Ion: 106 Resp: 330468
Ion Ratio Lower Upper
106 100
91 200.3 136.2 252.9

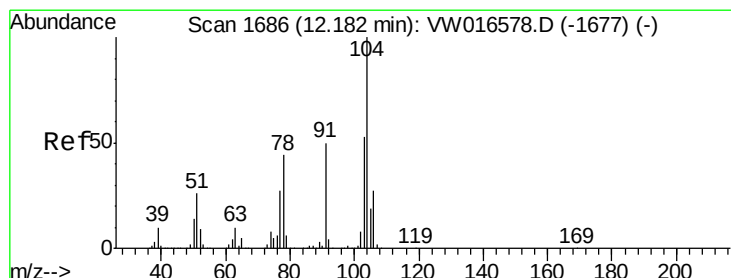
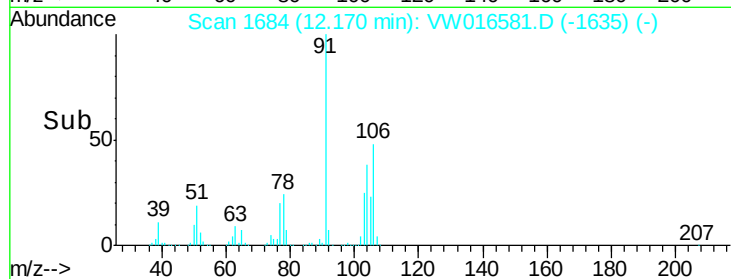
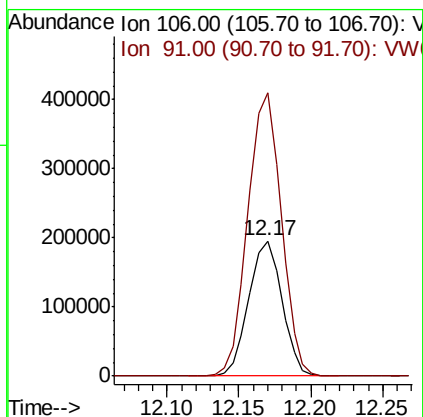
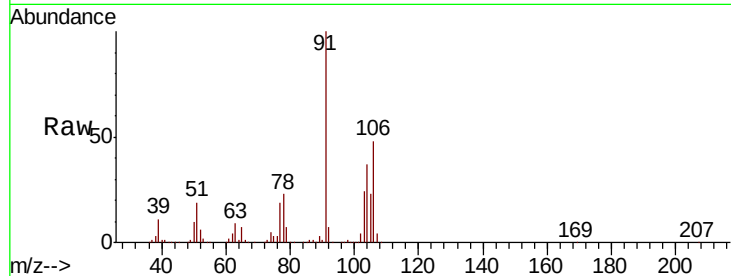




#54
o-Xylene
Concen: 22.381 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016581.D
Acq: 18 Sep 2020 12:55

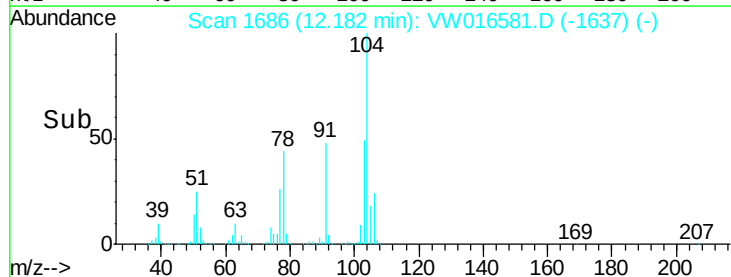
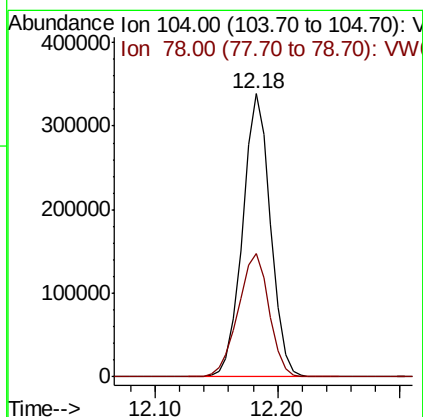
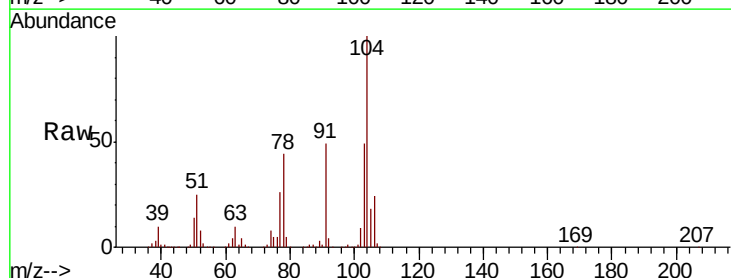
Instrument :
MSVOA_W
ClientSampled :
BFB101

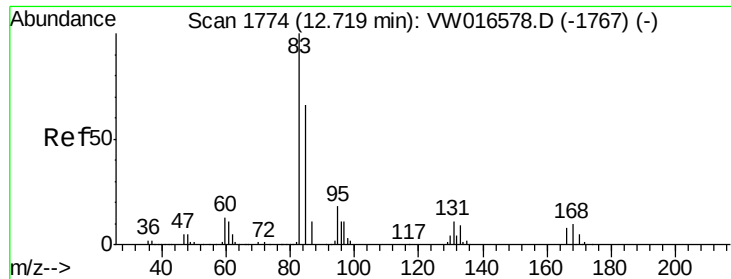
Tot Ion:106 Resp: 313777
Ion Ratio Lower Upper
106 100
91 209.1 143.4 266.2



#55
Styrene
Concen: 22.883 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016581.D
Acq: 18 Sep 2020 12:55

Tgt Ion:104 Resp: 534170
Ion Ratio Lower Upper
104 100
78 43.7 31.1 57.9

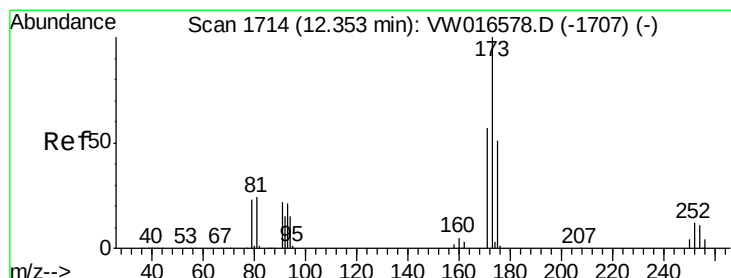
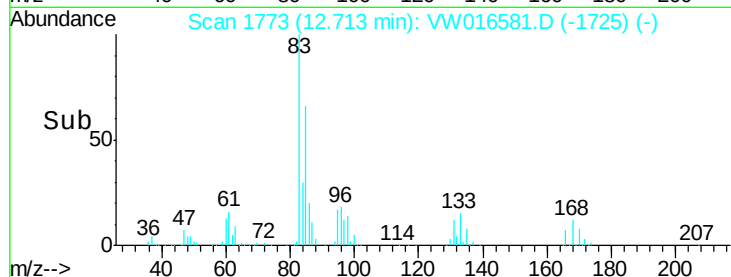
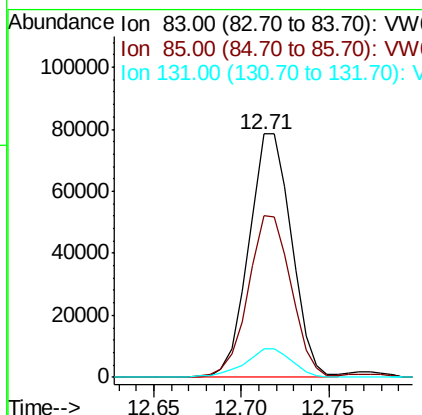
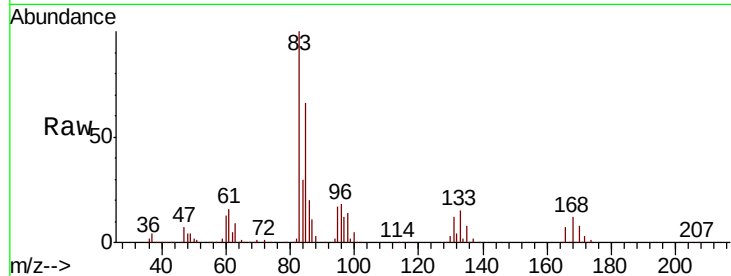




#57
 1,1,2,2-Tetrachloroethane
 Concen: 22.291 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.01 min
 Lab File: VW016581.D
 Acq: 18 Sep 2020 12:55

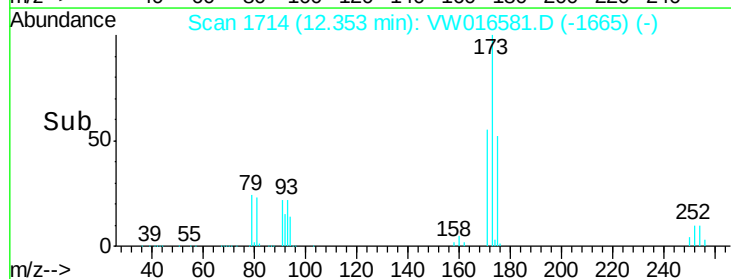
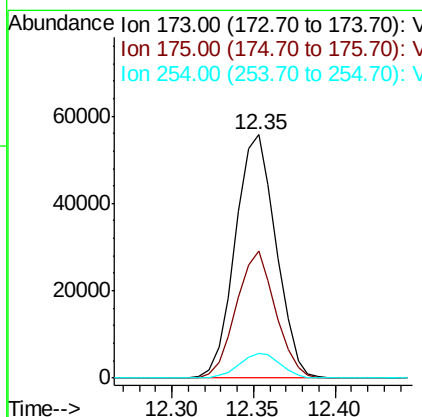
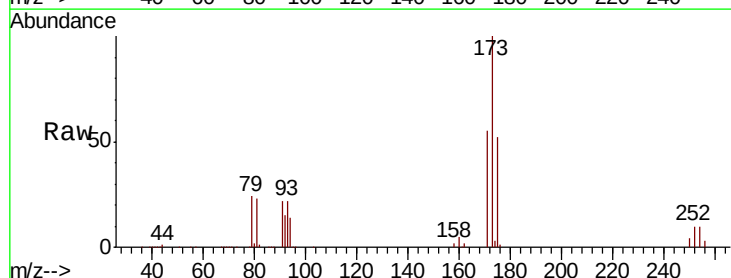
Instrument :
 MSVOA_W
 ClientSampled :
 BFB101

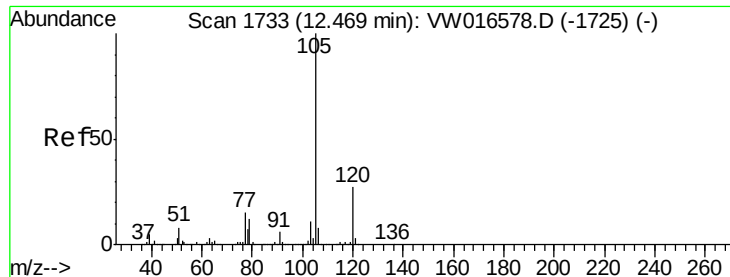
Tot Ion: 83 Resp: 133231
 Ion Ratio Lower Upper
 83 100
 85 66.3 46.3 85.9
 131 12.0 9.3 13.9



#59
 Bromoform
 Concen: 23.258 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW016581.D
 Acq: 18 Sep 2020 12:55

Tgt Ion: 173 Resp: 96847
 Ion Ratio Lower Upper
 173 100
 175 50.3 39.7 59.5
 254 10.4 8.2 12.2





#60

Isopropylbenzene

Concen: 23.066 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

Instrument :

MSVOA_W

ClientSampleId :

BFB101

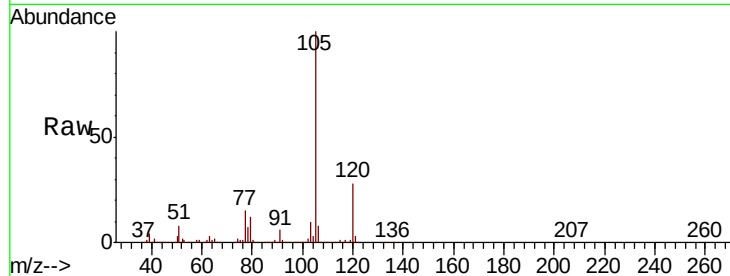
Tot Ion:105 Resp: 868665

Ion Ratio Lower Upper

105 100

120 27.0 21.8 32.8

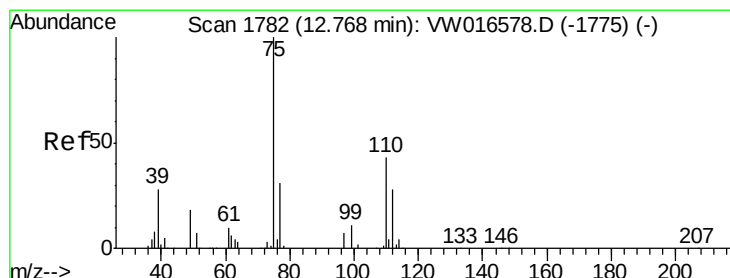
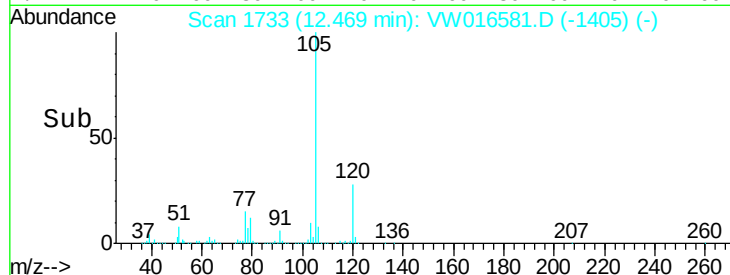
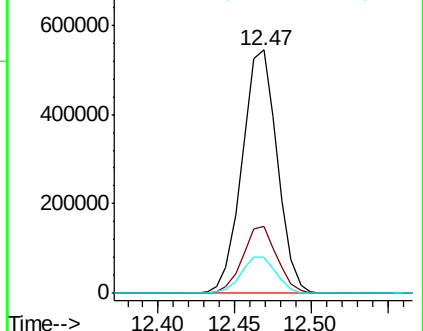
77 15.0 12.1 18.1



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



#61

1,2,3-Trichloropropane

Concen: 22.994 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

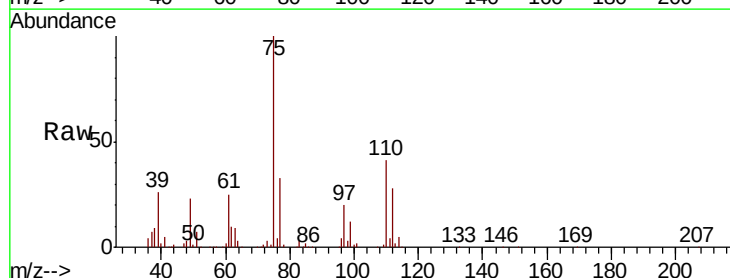
Tgt Ion: 75 Resp: 97743

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8

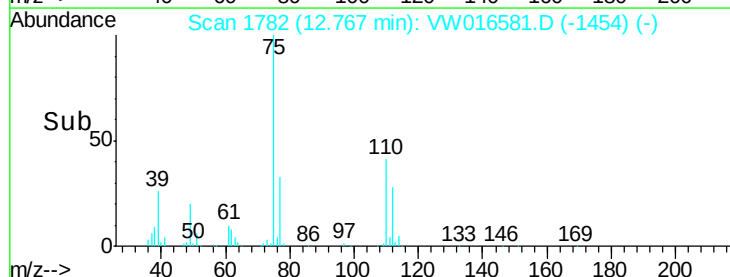
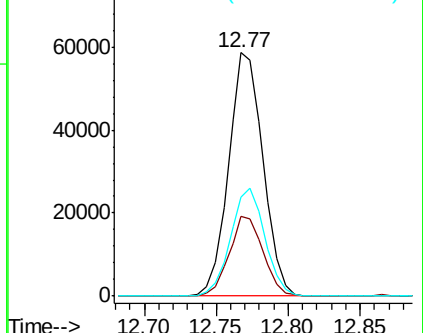
110 43.8 35.8 53.8

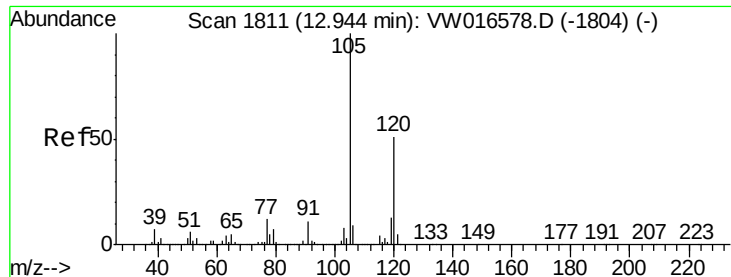


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 110.00 (109.70 to 110.70): V

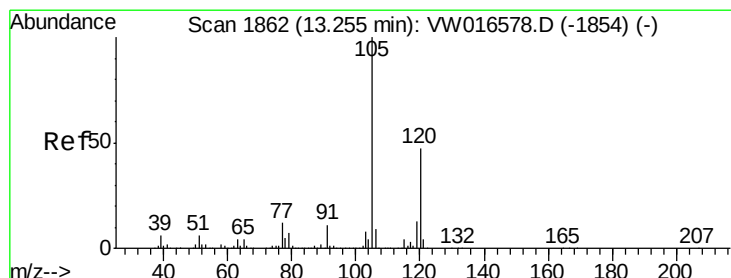
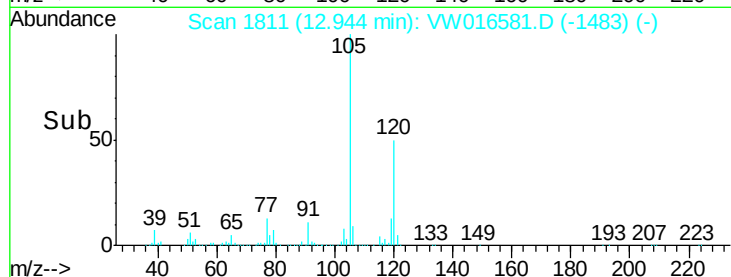
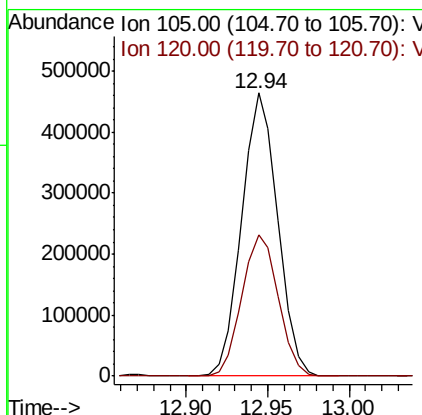
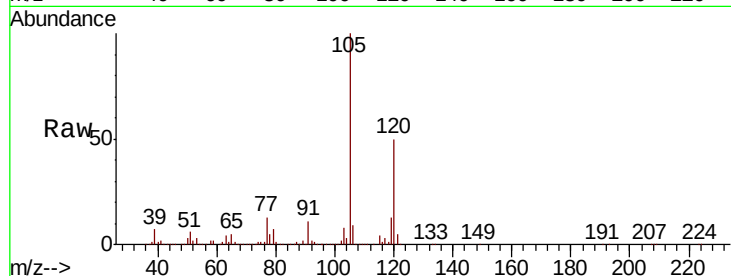




#62
 1,3,5-Trimethylbenzene
 Concen: 22.984 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW016581.D
 Acq: 18 Sep 2020 12:55

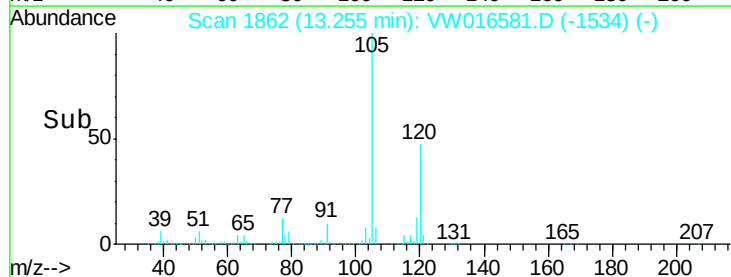
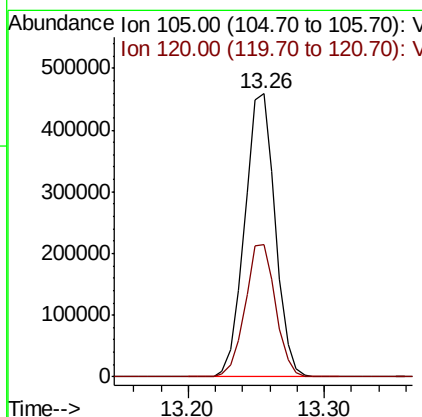
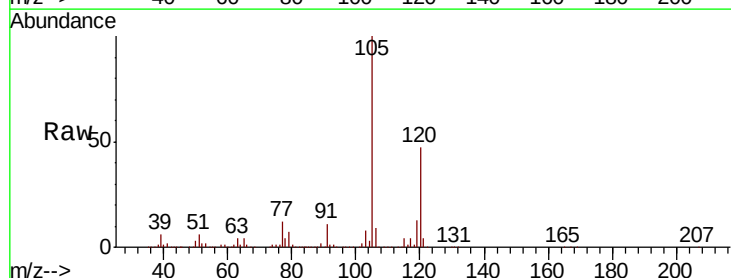
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB101

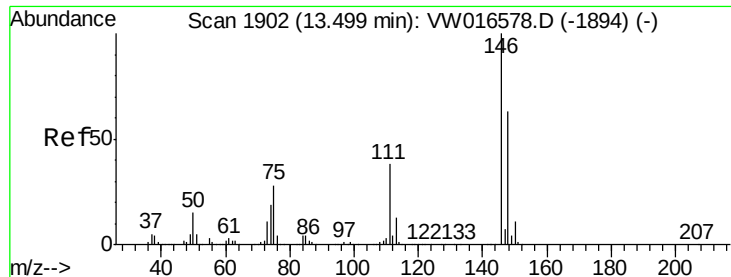
Tot Ion:105 Resp: 712299
 Ion Ratio Lower Upper
 105 100
 120 50.7 39.8 59.8



#63
 1,2,4-Trimethylbenzene
 Concen: 23.328 ug/L
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW016581.D
 Acq: 18 Sep 2020 12:55

Tgt Ion:105 Resp: 718554
 Ion Ratio Lower Upper
 105 100
 120 46.6 36.4 54.6

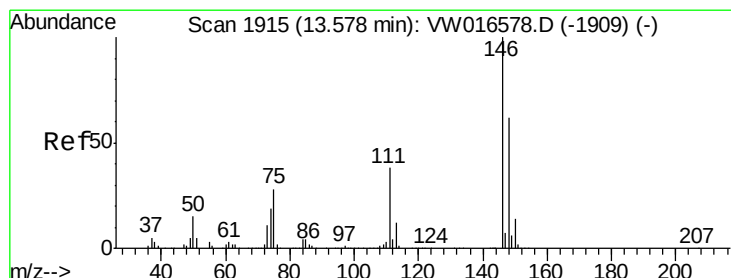
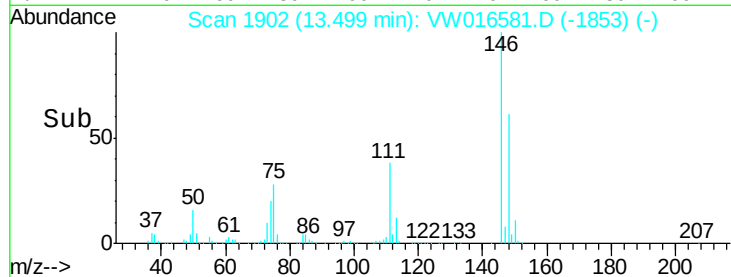
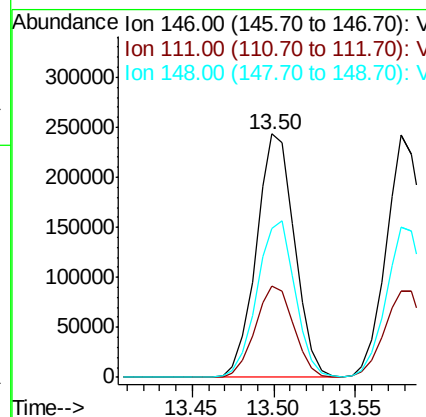
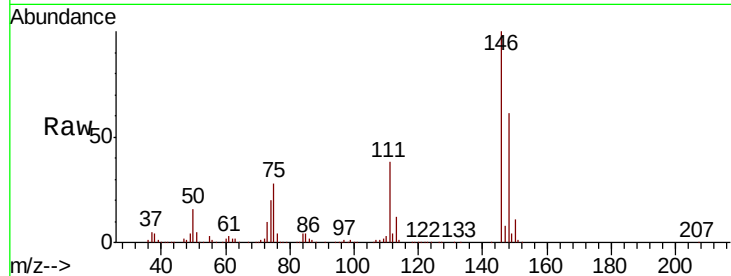




#64
 1,3-Dichlorobenzene
 Concen: 22.974 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016581.D
 Acq: 18 Sep 2020 12:55

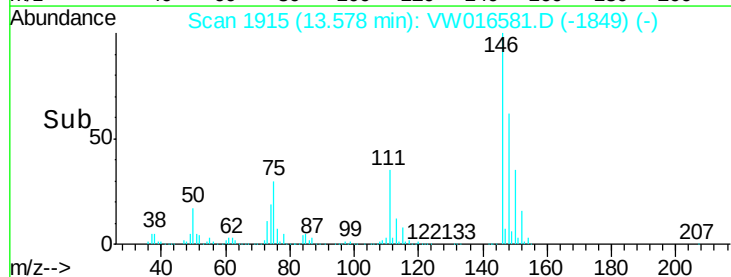
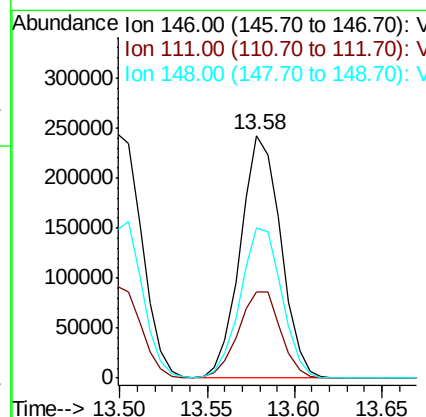
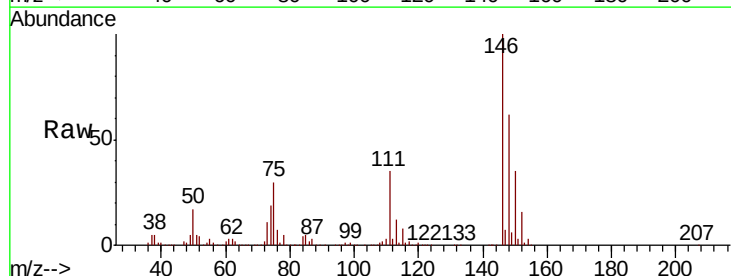
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB101

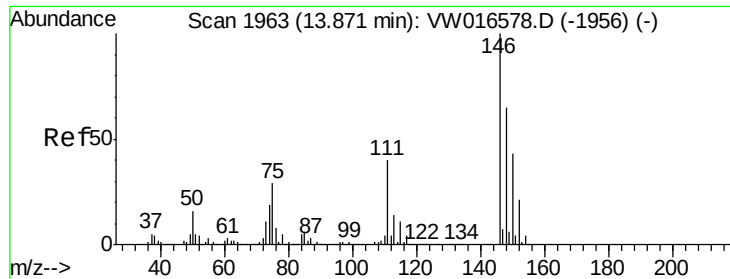
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	26.5	49.3
148	61.2	44.0	81.8



#65
 1,4-Dichlorobenzene
 Concen: 22.954 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016581.D
 Acq: 18 Sep 2020 12:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	26.5	49.3
148	61.8	43.8	81.4

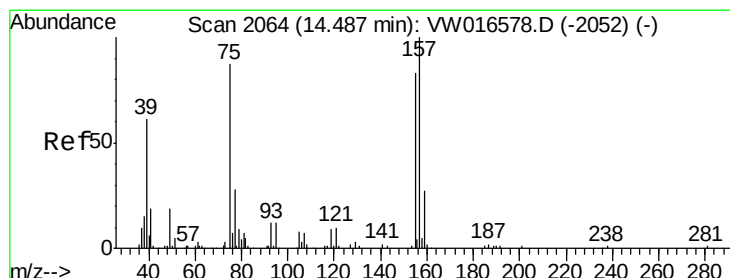
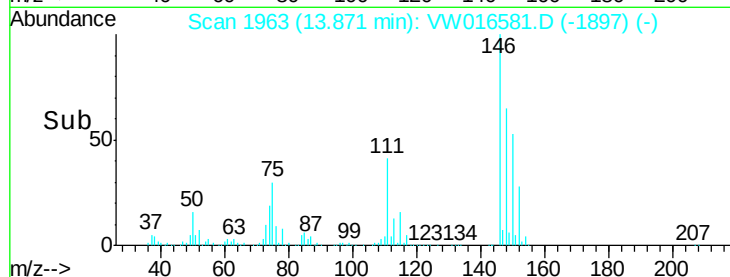
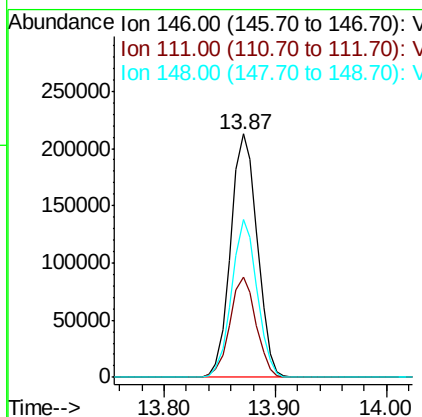
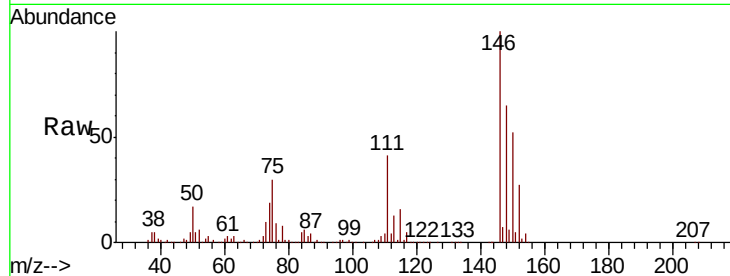




#67
 1,2-Dichlorobenzene
 Concen: 22.999 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016581.D
 Acq: 18 Sep 2020 12:55

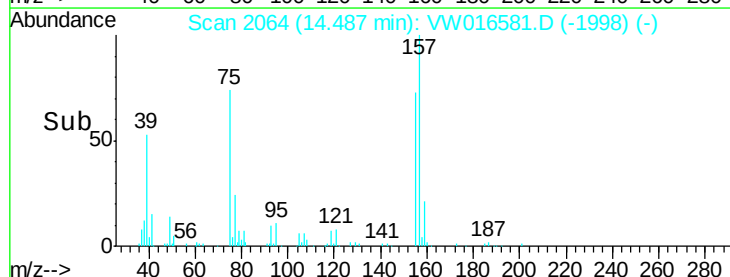
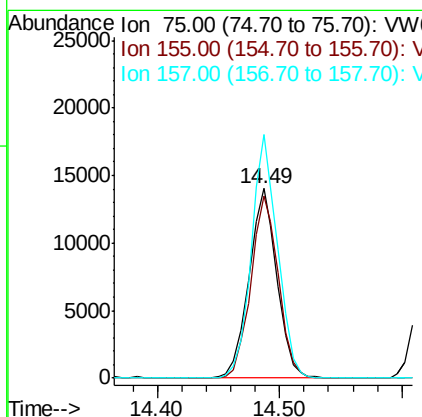
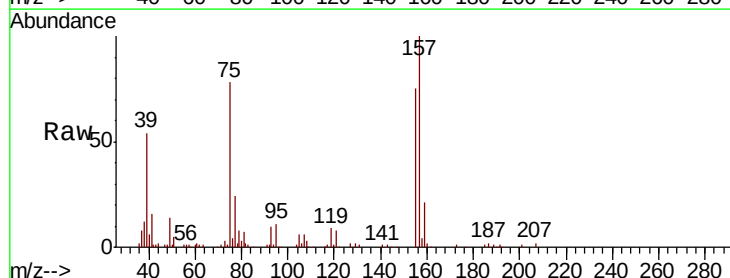
Instrument :
 MSVOA_W
 ClientSampled :
 BFB101

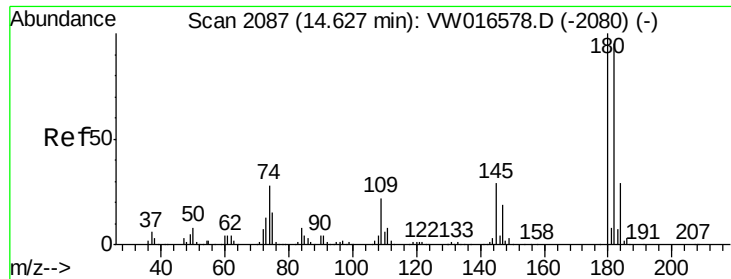
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	32.4	48.6
148	64.8	52.2	78.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 22.277 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016581.D
 Acq: 18 Sep 2020 12:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.4	76.6	115.0
157	128.3	92.0	138.0





#69

1,3,5-Trichlorobenzene

Concen: 22.134 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

Instrument :

MSVOA_W

ClientSampled :

BFB101

Tot Ion:180 Resp: 282359

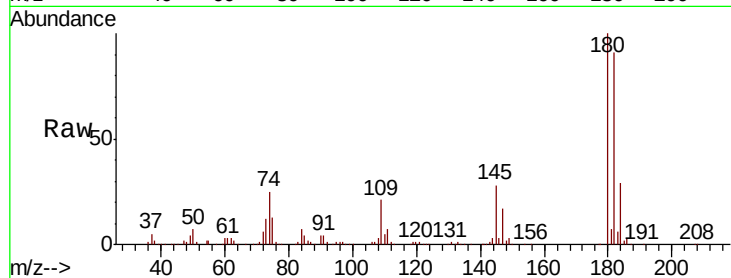
Ion Ratio Lower Upper

180 100

182 93.6 79.0 118.4

184 31.1 24.6 36.8

145 28.3 23.2 34.8

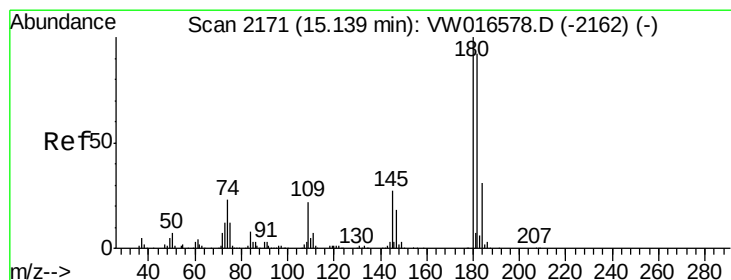
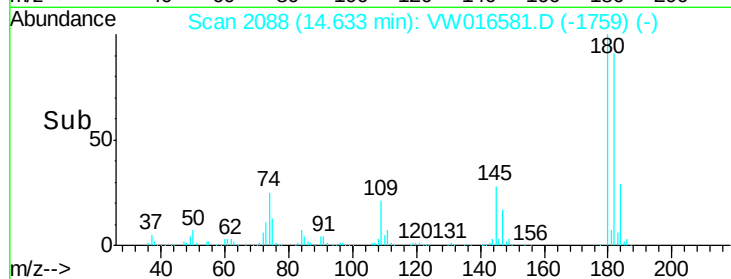
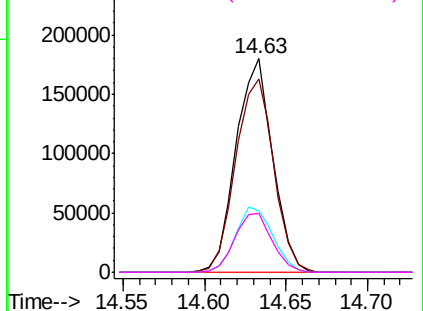


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70

1,2,4-trichlorobenzene

Concen: 22.285 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.01 min

Lab File: VW016581.D

Acq: 18 Sep 2020 12:55

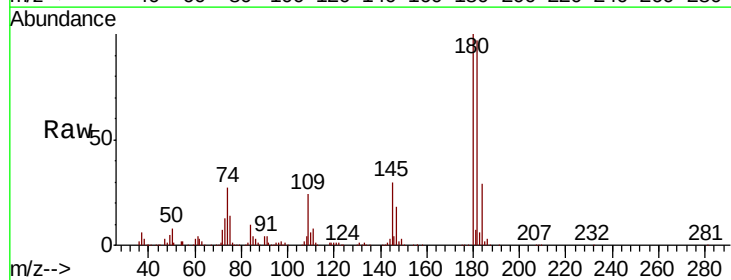
Tgt Ion:180 Resp: 229590

Ion Ratio Lower Upper

180 100

182 97.3 76.1 114.1

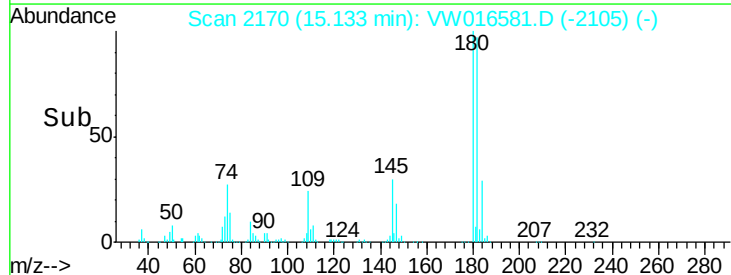
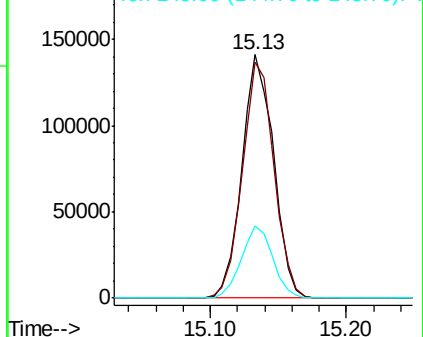
145 29.5 24.1 36.1

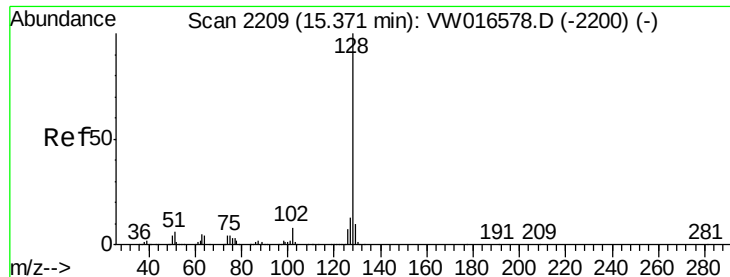


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

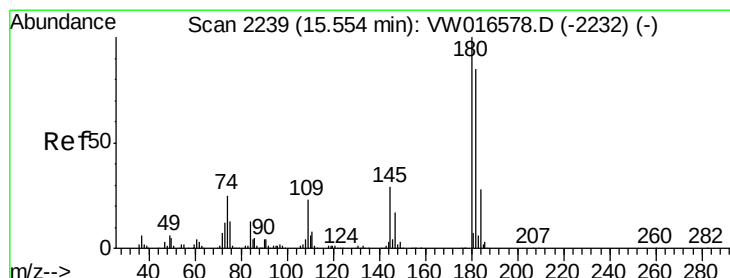
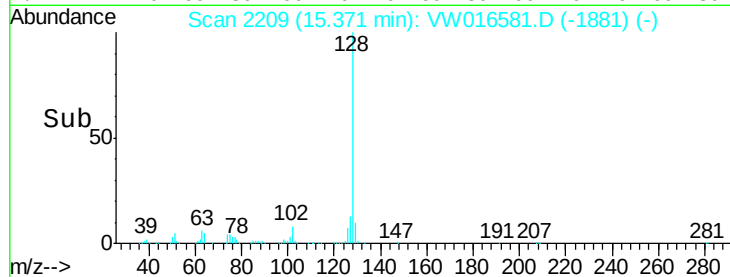
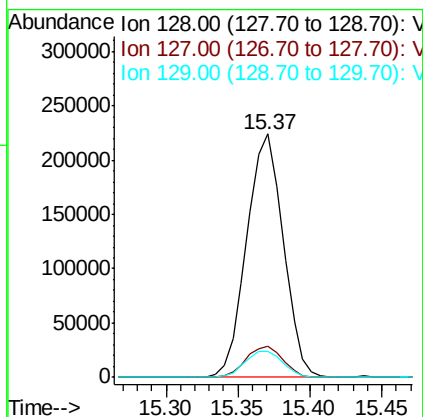
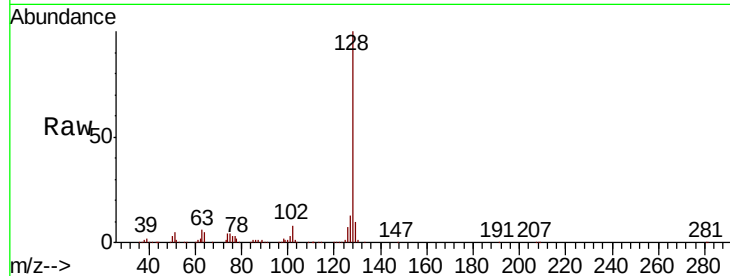




#71
Naphthalene
Concen: 22.811 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW016581.D
Acq: 18 Sep 2020 12:55

Instrument :
MSVOA_W
ClientSampleId :
BFB101

Tot Ion:128 Resp: 394398
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 11.1 9.0 13.4



#72
1,2,3-Trichlorobenzene
Concen: 21.882 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW016581.D
Acq: 18 Sep 2020 12:55

Tgt Ion:180 Resp: 189286
Ion Ratio Lower Upper
180 100
182 96.9 75.5 113.3
145 32.6 24.3 36.5

