

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
 Data File : VY003546.D
 Acq On : 19 Nov 2020 13:37
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

Quant Time: Nov 20 01:43:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 20 01:42:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	249979	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	221696	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	111521	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	57804	20.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.92%
7) Chloroethane-d5	2.77	69	54911	21.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.92%
10) 1,1-Dichloroethene-d2	3.86	63	150800	22.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.56%
20) 2-Butanone-d5	6.91	46	64611	46.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.02%
24) Chloroform-d	7.49	84	149023	23.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	8.14	65	81161	22.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.16%
29) Benzene-d6	8.11	84	299004	23.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.60%
33) 1,2-Dichloropropane-d6	9.13	67	89084	23.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.08%
37) Toluene-d8	10.18	98	271997	23.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.00%
38) trans-1,3-Dichloropropene-	10.44	79	44523	23.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.24%
39) 2-Hexanone-d5	10.79	63	46888	47.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.22%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	75265	22.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.24%
61) 1,2-Dichlorobenzene-d4	13.72	152	82816	23.01	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.92	85	35346	26.679	ug/L 100
3) Chloromethane	2.12	50	68744	24.652	ug/L 95
5) Vinyl chloride	2.26	62	89040	26.732	ug/L 99
6) Bromomethane	2.66	94	64162	24.818	ug/L 100
8) Chloroethane	2.80	64	56381	24.929	ug/L 97
9) Trichlorofluoromethane	3.13	101	79499	24.901	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	83394	25.191	ug/L 100
12) 1,1-Dichloroethene	3.88	96	89007	25.706	ug/L 84
13) Acetone	3.97	43	44987	45.103	ug/L 97
14) Carbon disulfide	4.20	76	291801	25.438	ug/L 98
15) Methyl Acetate	4.49	43	59293	23.422	ug/L 99
16) Methylene chloride	4.72	84	97400	22.727	ug/L 97
17) Methyl tert-butyl Ether	5.22	73	140221	25.920	ug/L # 90
18) trans-1,2-Dichloroethene	5.22	96	91735	25.140	ug/L 93
19) 1,1-Dichloroethane	6.03	63	156592	25.410	ug/L 98
21) 2-Butanone	7.00	43	76285	45.416	ug/L 98
22) cis-1,2-Dichloroethene	6.99	96	96262	25.684	ug/L 97

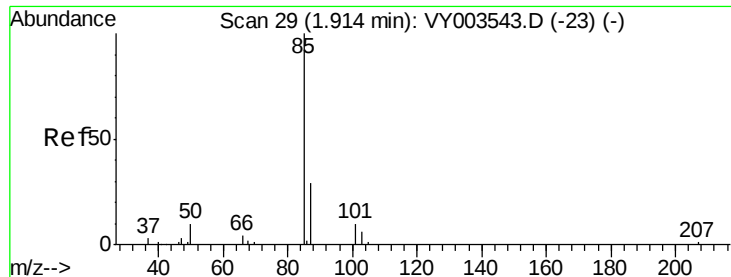
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	45684	25.173	ug/L	95
25) Chloroform	7.51	83	154976	25.290	ug/L	99
27) 1,2-Dichloroethane	8.24	62	103742	25.061	ug/L	99
30) Cyclohexane	7.79	56	139838	25.942	ug/L	100
31) 1,1,1-Trichloroethane	7.71	97	121149	25.118	ug/L	99
32) Carbon tetrachloride	7.91	117	117158	25.559	ug/L	99
34) Benzene	8.17	78	359825	25.731	ug/L	100
35) Trichloroethene	8.94	95	90417	25.532	ug/L	99
36) Methylcyclohexane	9.19	83	140259	25.336	ug/L	99
40) 1,2-Dichloropropane	9.22	63	86318	25.035	ug/L	100
41) Bromodichloromethane	9.50	83	114400	25.995	ug/L	99
42) cis-1,3-Dichloropropene	9.93	75	142909	26.283	ug/L	97
43) 4-Methyl-2-pentanone	10.07	43	133772	46.368	ug/L	99
44) Toluene	10.24	91	379334	25.737	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	131144	26.186	ug/L	99
46) 1,1,2-Trichloroethane	10.64	97	70997	25.772	ug/L	99
47) Tetrachloroethene	10.72	164	78230	25.411	ug/L	97
49) 2-Hexanone	10.83	43	111622	48.982	ug/L	99
50) Dibromochloromethane	10.99	129	85392	25.707	ug/L	95
51) 1,2-Dibromoethane	11.09	107	71480	26.034	ug/L	98
52) Chlorobenzene	11.52	112	238965	25.384	ug/L	100
53) Ethylbenzene	11.59	91	379230	25.047	ug/L	100
54) m,p-Xylene	11.70	106	146234	25.092	ug/L	98
55) o-xylene	12.03	106	119965	24.659	ug/L	96
56) Styrene	12.04	104	246864	25.914	ug/L	98
57) Isopropylbenzene	12.33	105	260858	23.691	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	77581	23.870	ug/L #	98
59) 1,2,3-Trichloropropane	12.63	75	59602	23.558	ug/L	98
62) Bromoform	12.20	173	56792	25.090	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	175513	24.940	ug/L	99
64) 1,4-Dichlorobenzene	13.44	146	176421	24.346	ug/L	98
65) 1,2-Dichlorobenzene	13.73	146	139198	24.017	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	10778	21.847	ug/L	97
67) 1,3,5-Trichlorobenzene	14.50	180	91359	24.471	ug/L	98
68) 1,2,4-trichlorobenzene	15.00	180	79488	24.716	ug/L	100
69) Naphthalene	15.23	128	137443	24.229	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	58329	23.993	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 26.679 ug/L

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

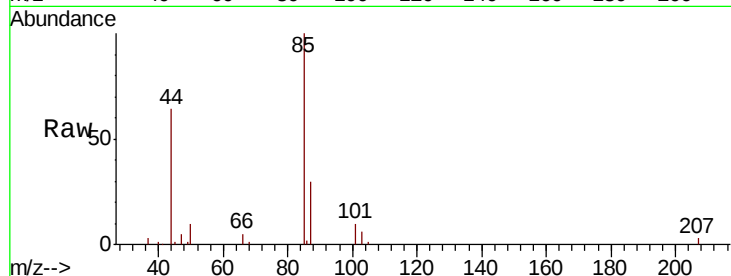
BFB

Tot Ion: 85 Resp: 35346

Ion Ratio Lower Upper

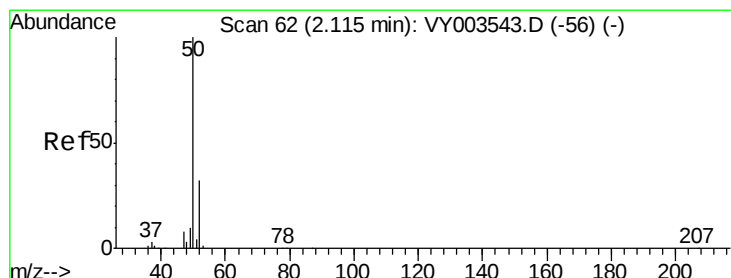
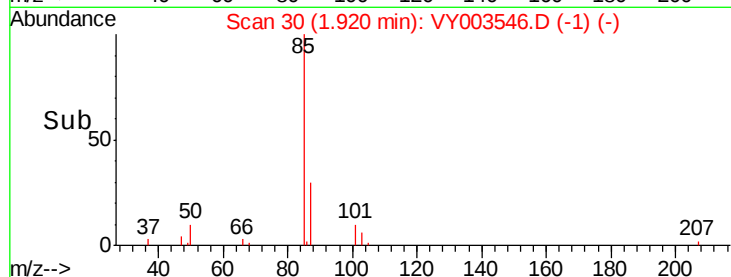
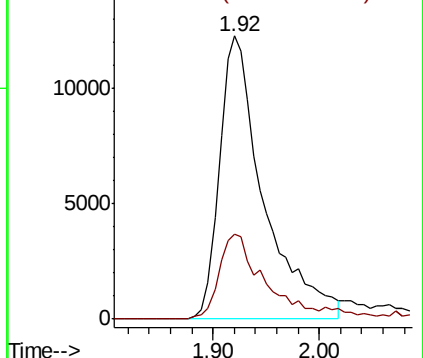
85 100

87 30.4 21.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 24.652 ug/L

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003546.D

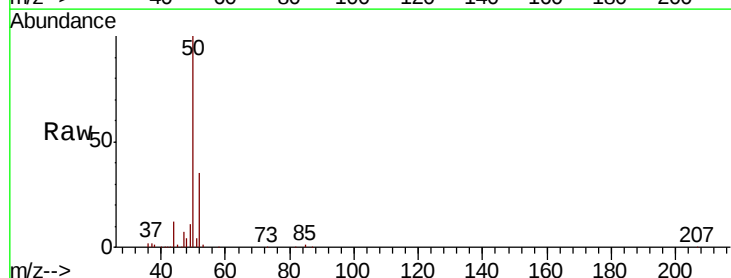
Acq: 19 Nov 2020 13:37

Tgt Ion: 50 Resp: 68744

Ion Ratio Lower Upper

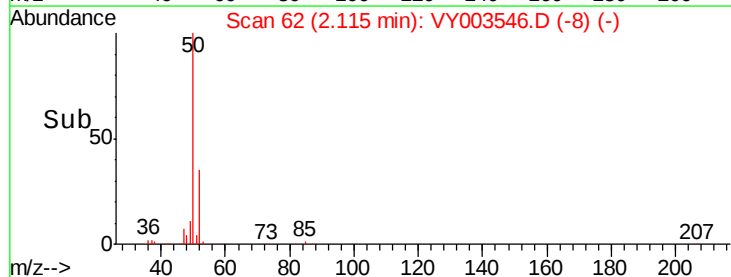
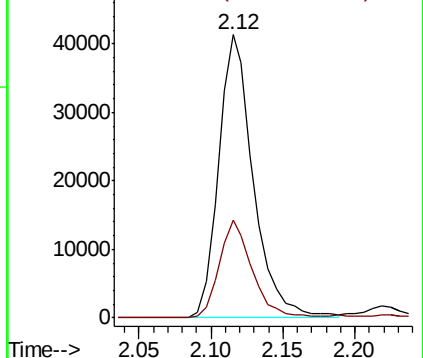
50 100

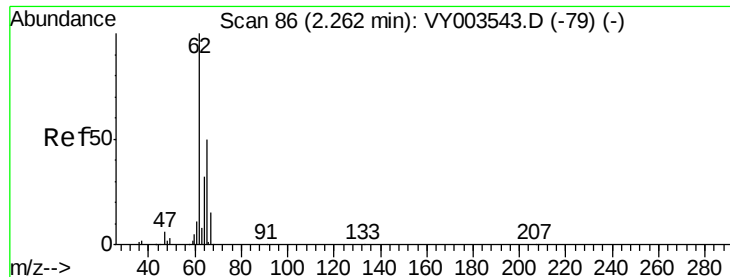
52 34.6 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 26.732 ug/L

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

Instrument :

MSVOA_Y

ClientSampled :

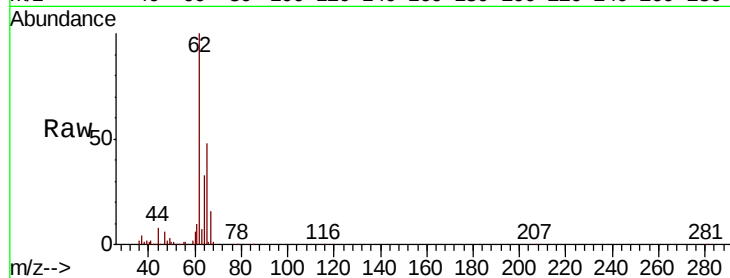
BFB

Tot Ion: 62 Resp: 89040

Ion Ratio Lower Upper

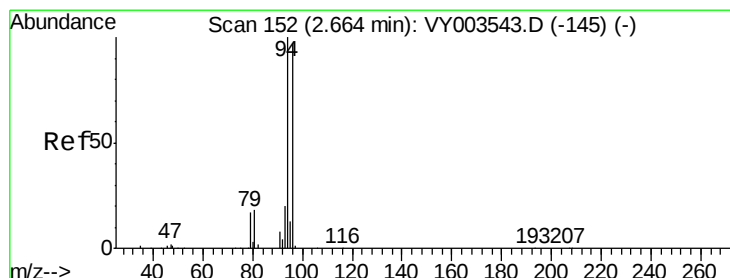
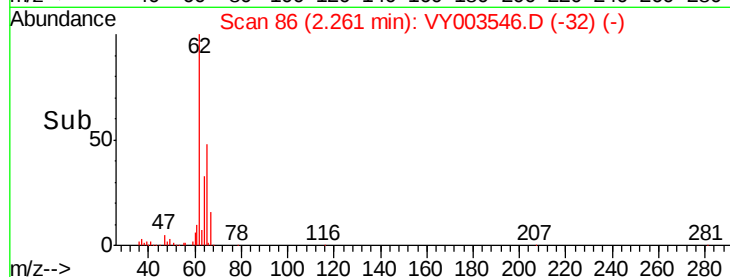
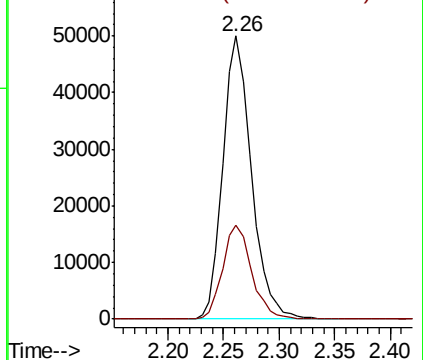
62 100

64 33.0 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 24.818 ug/L

RT: 2.66 min Scan# 152

Delta R.T. -0.00 min

Lab File: VY003546.D

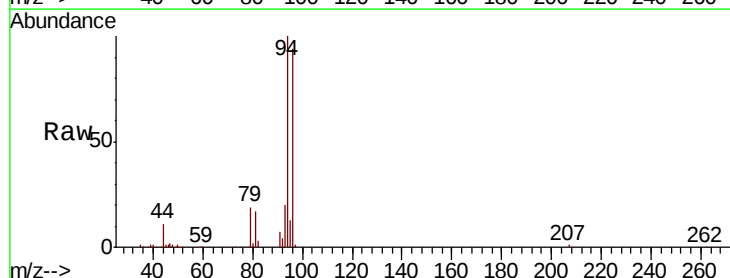
Acq: 19 Nov 2020 13:37

Tgt Ion: 94 Resp: 64162

Ion Ratio Lower Upper

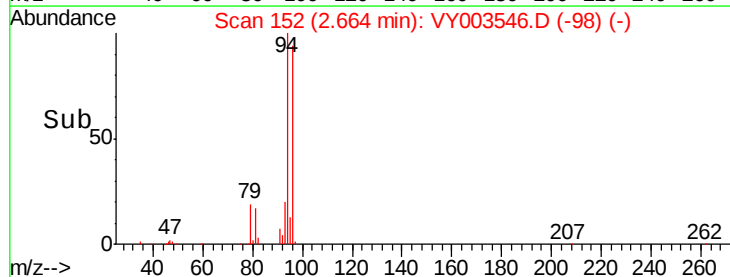
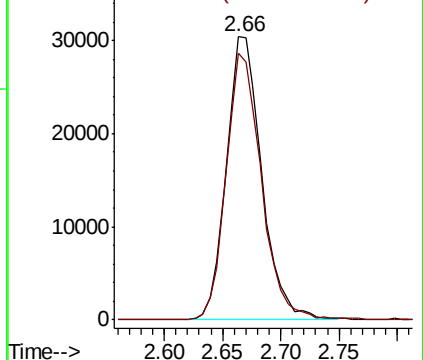
94 100

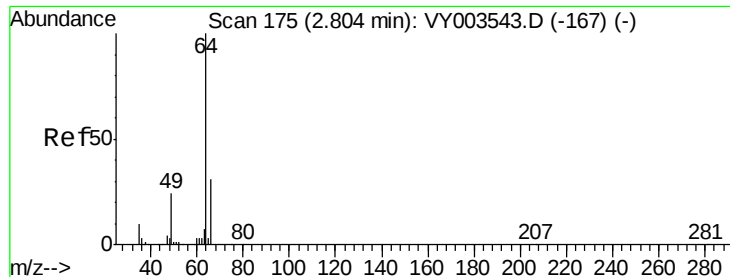
96 93.8 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 24.929 ug/L

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

Instrument :

MSVOA_Y

ClientSampled :

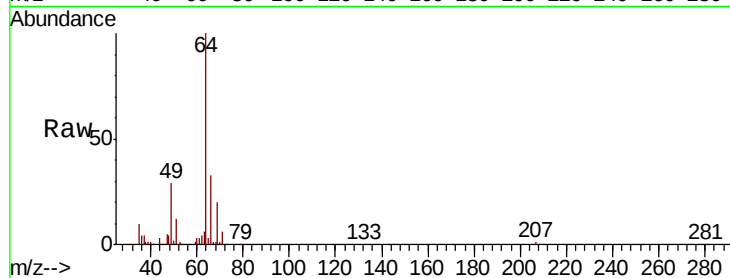
BFB

Tot Ion: 64 Resp: 56381

Ion Ratio Lower Upper

64 100

66 32.7 21.8 40.6



Abundance Ion 64.00 (63.70 to 64.70): VY003543.D (-167) (-)

Ion 66.00 (65.70 to 66.70): VY003543.D (-167) (-)

2.80

25000

20000

15000

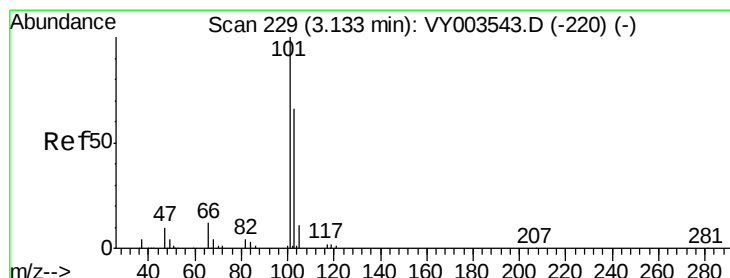
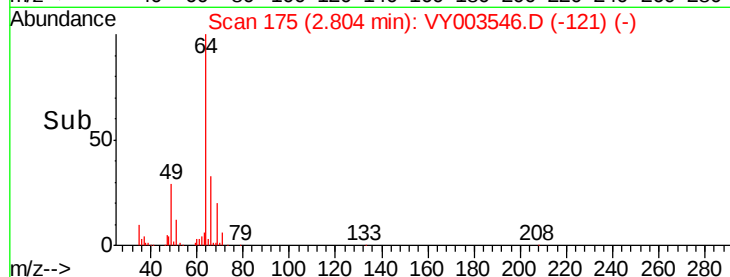
10000

5000

0

2.70 2.75 2.80 2.85 2.90

Time-->



#9

Trichlorofluoromethane

Concen: 24.901 ug/L

RT: 3.13 min Scan# 229

Delta R.T. -0.00 min

Lab File: VY003546.D

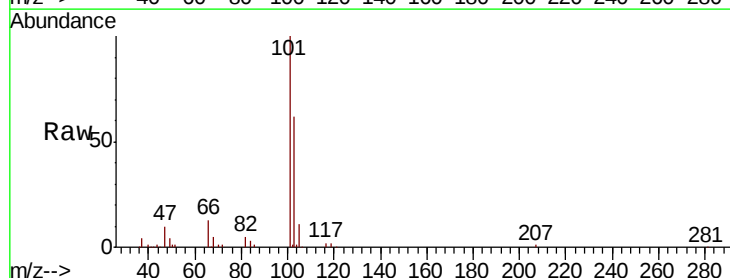
Acq: 19 Nov 2020 13:37

Tgt Ion: 101 Resp: 79499

Ion Ratio Lower Upper

101 100

103 63.2 45.6 84.6



Abundance Ion 101.00 (100.70 to 101.70): VY003543.D (-220) (-)

Ion 103.00 (102.70 to 103.70): VY003543.D (-220) (-)

3.13

30000

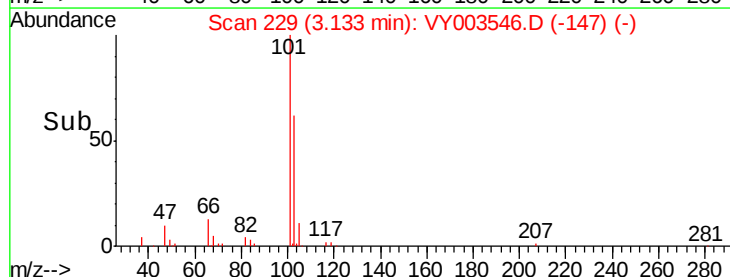
20000

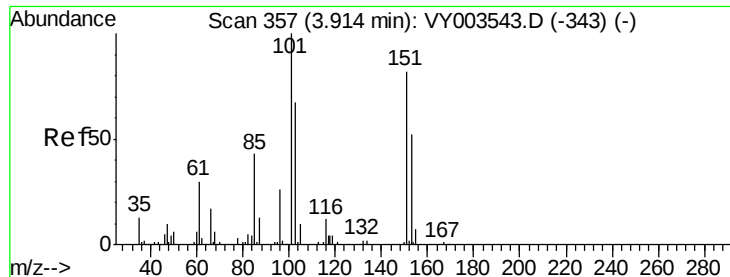
10000

0

3.00 3.10 3.20

Time-->





#11

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

Concen: 25.191 ug/L

RT: 3.91 min Scan# 357

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

BFB

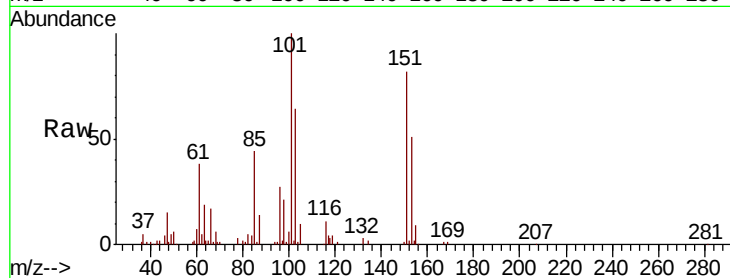
Tot Ion:101 Resp: 83394

Ion Ratio Lower Upper

101 100

85 44.1 35.0 52.4

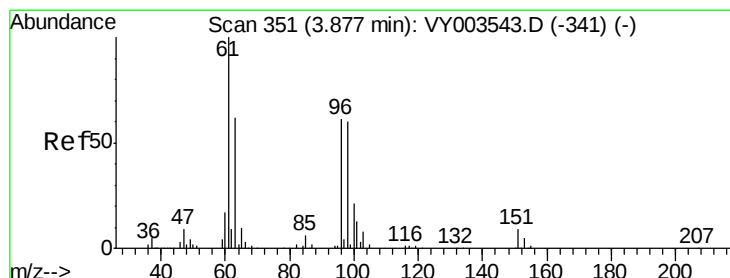
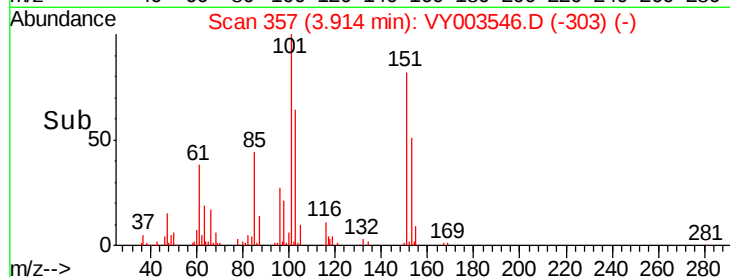
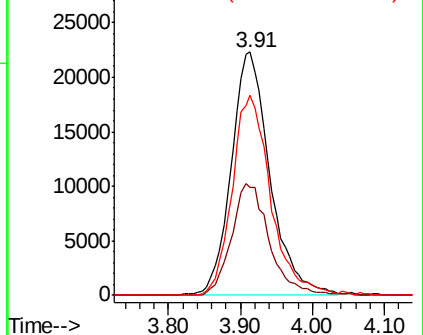
151 81.6 65.4 98.0



Abundance Ion 101.00 (100.70 to 101.70): VY003543.D (-343) (-)

Ion 85.00 (84.70 to 85.70): VY003543.D (-343) (-)

Ion 151.00 (150.70 to 151.70): VY003543.D (-343) (-)



#12

1,1-Dichloroethene

Concen: 25.706 ug/L

RT: 3.88 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

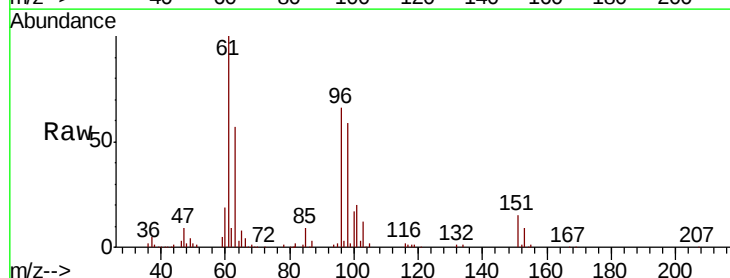
Tgt Ion: 96 Resp: 89007

Ion Ratio Lower Upper

96 100

61 151.4 116.6 216.6

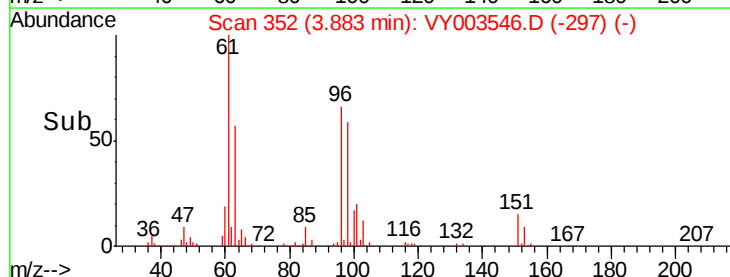
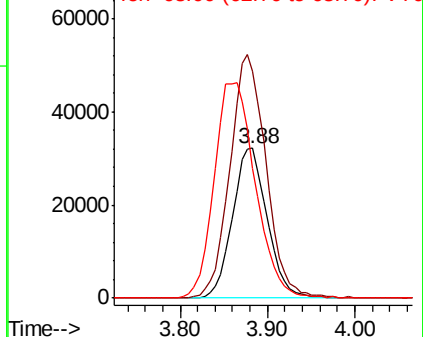
63 87.0 77.5 143.9

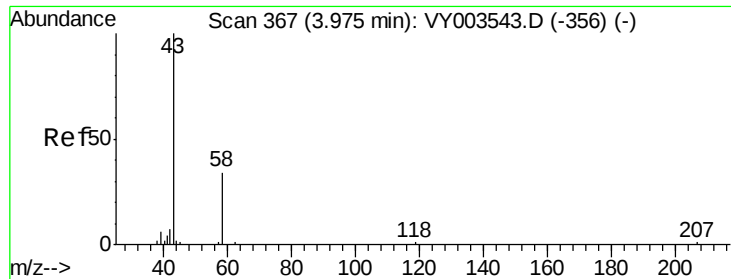


Abundance Ion 96.00 (95.70 to 96.70): VY003543.D (-341) (-)

Ion 61.00 (60.70 to 61.70): VY003543.D (-341) (-)

Ion 63.00 (62.70 to 63.70): VY003543.D (-341) (-)





#13

Acetone

Concen: 45.103 ug/L

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

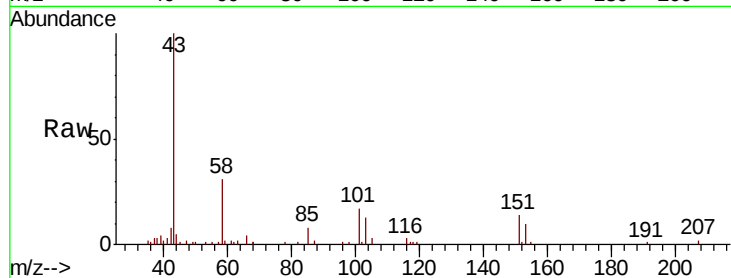
BFB

Tot Ion: 43 Resp: 44987

Ion Ratio Lower Upper

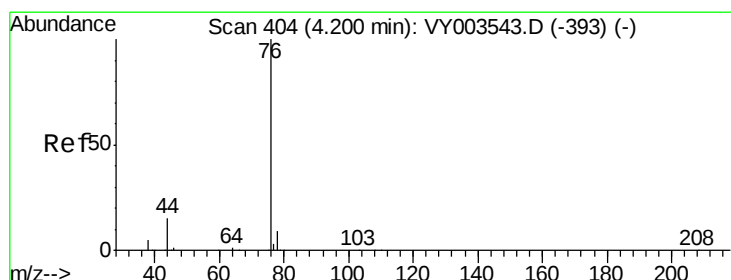
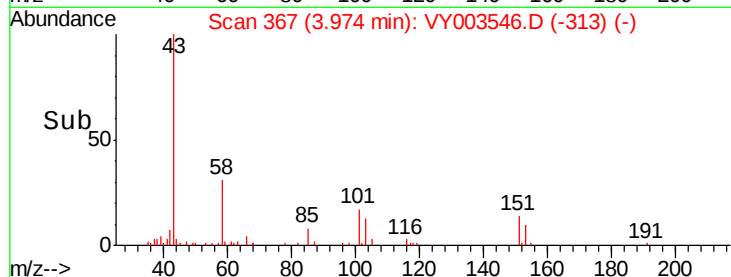
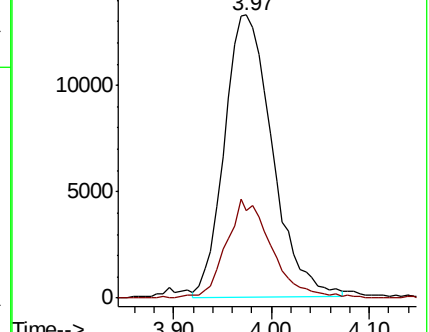
43 100

58 31.2 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VY003543.D (-356) (-)

Ion 58.00 (57.70 to 58.70): VY003543.D (-356) (-)



#14

Carbon disulfide

Concen: 25.438 ug/L

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003546.D

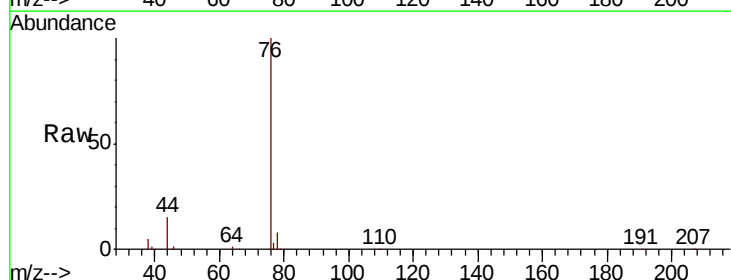
Acq: 19 Nov 2020 13:37

Tgt Ion: 76 Resp: 291801

Ion Ratio Lower Upper

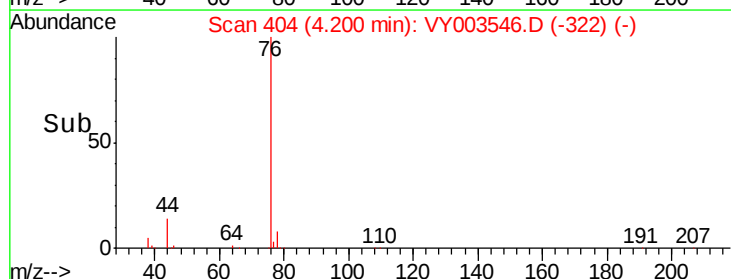
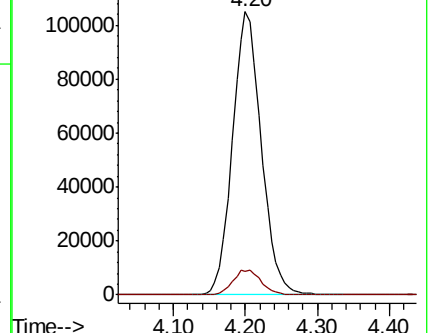
76 100

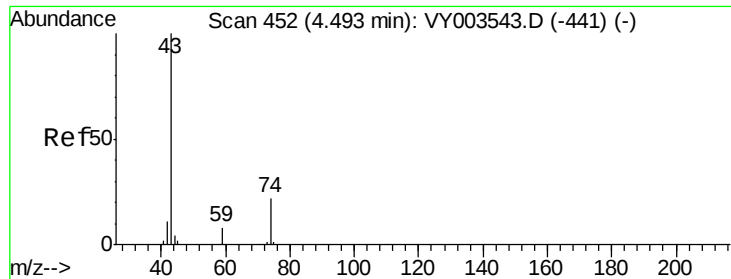
78 8.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VY003543.D (-393) (-)

Ion 78.00 (77.70 to 78.70): VY003543.D (-393) (-)





#15

Methyl Acetate

Concen: 23.422 ug/L

RT: 4.49 min Scan# 451

Delta R.T. -0.01 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

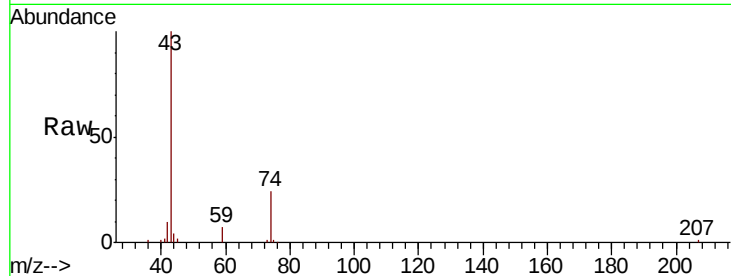
BFB

Tot Ion: 43 Resp: 59293

Ion Ratio Lower Upper

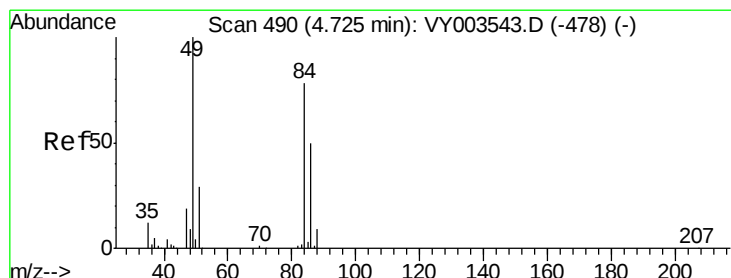
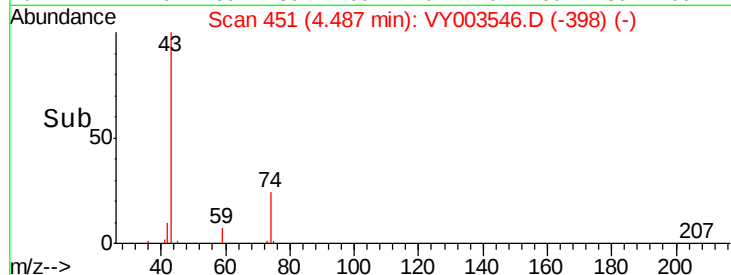
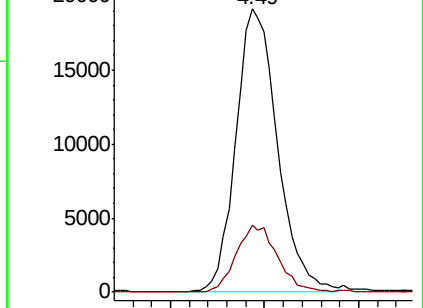
43 100

74 23.3 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VY003543.D (-441) (-)

Ion 74.00 (73.70 to 74.70): VY003543.D (-441) (-)



#16

Methylene chloride

Concen: 22.727 ug/L

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

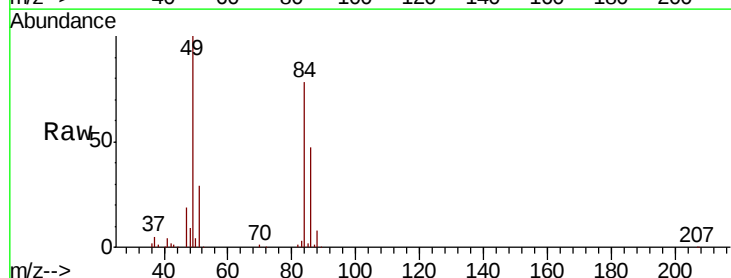
Tgt Ion: 84 Resp: 97400

Ion Ratio Lower Upper

84 100

49 127.4 90.3 167.7

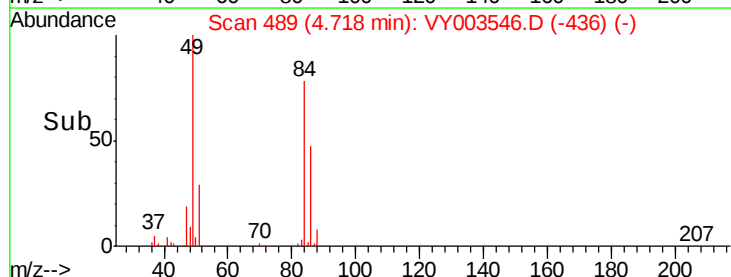
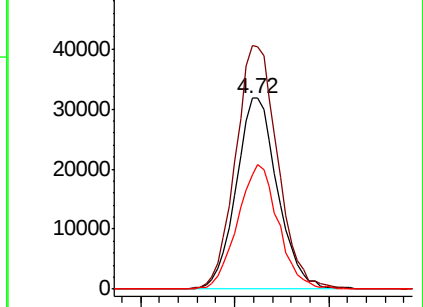
86 60.0 44.7 83.1

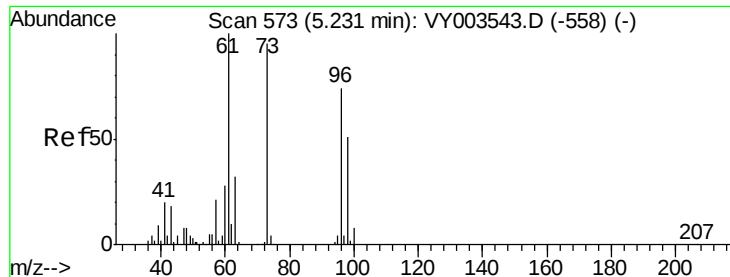


Abundance Ion 84.00 (83.70 to 84.70): VY003543.D (-478) (-)

Ion 49.00 (48.70 to 49.70): VY003543.D (-478) (-)

Ion 86.00 (85.70 to 86.70): VY003543.D (-478) (-)

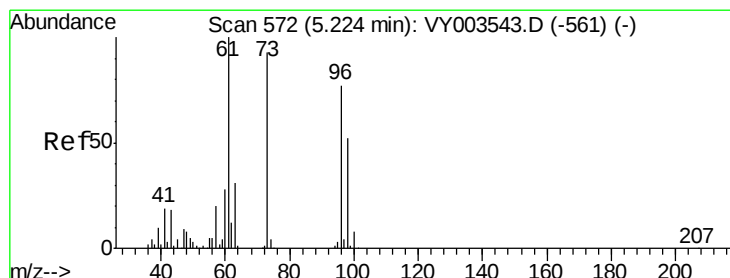
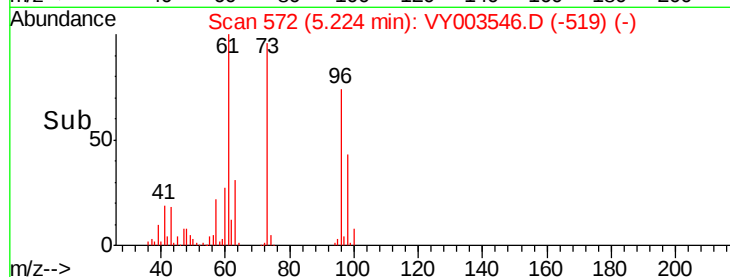
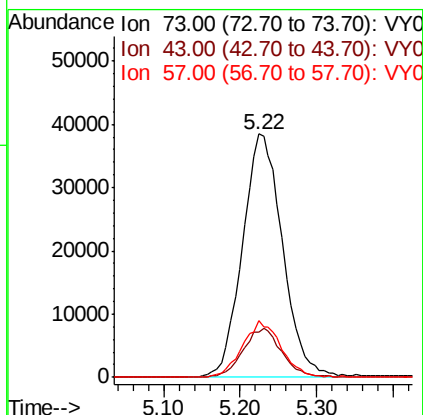
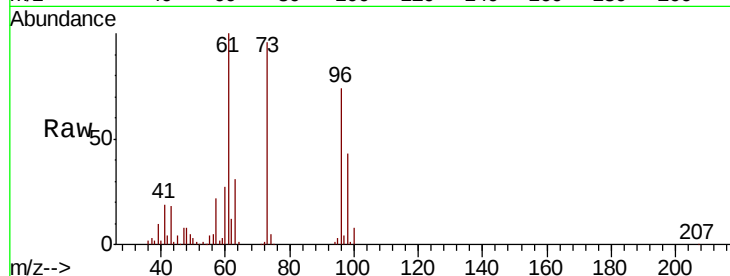




#17
Methvl tert-butvl Ether
Concen: 25.920 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003546.D
Acq: 19 Nov 2020 13:37

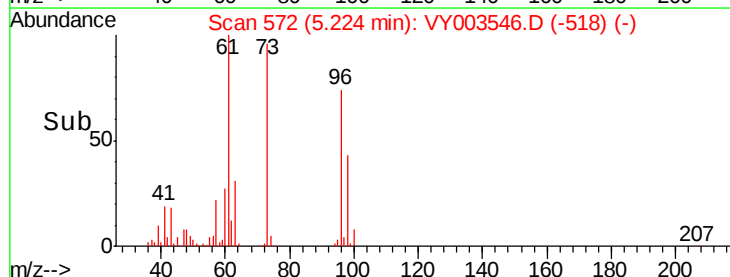
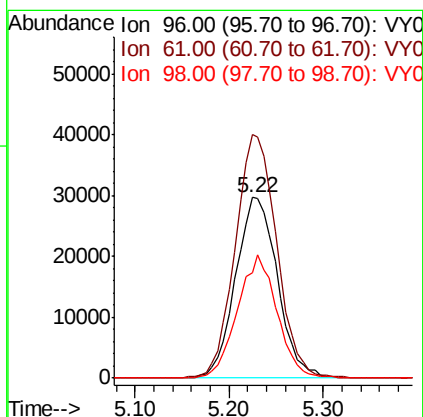
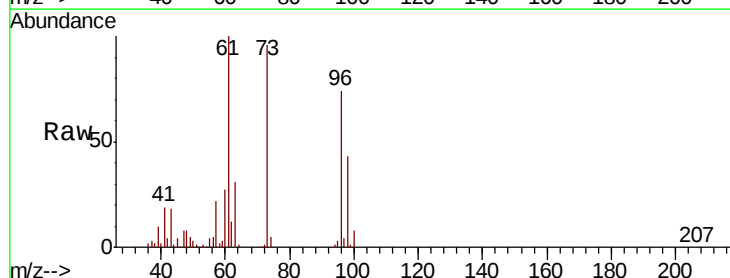
Instrument :
MSVOA_Y
ClientSampleId :
BFB

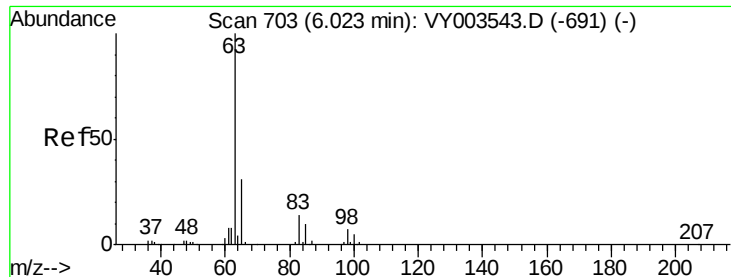
Tot Ion: 73 Resp: 140221
Ion Ratio Lower Upper
73 100
43 19.2 15.9 23.9
57 22.2 10.5 15.7#



#18
trans-1,2-Dichloroethene
Concen: 25.140 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.00 min
Lab File: VY003546.D
Acq: 19 Nov 2020 13:37

Tgt Ion: 96 Resp: 91735
Ion Ratio Lower Upper
96 100
61 134.7 90.8 168.6
98 58.1 46.8 87.0





#19

1,1-Dichloroethane

Concen: 25.410 ug/L

RT: 6.03 min Scan# 704

Delta R.T. 0.01 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

BFB

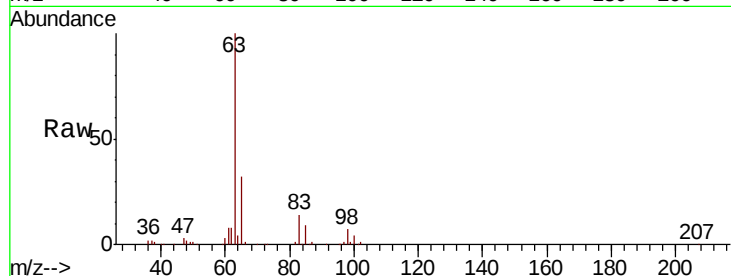
Tot Ion: 63 Resp: 156592

Ion Ratio Lower Upper

63 100

65 32.2 22.0 40.8

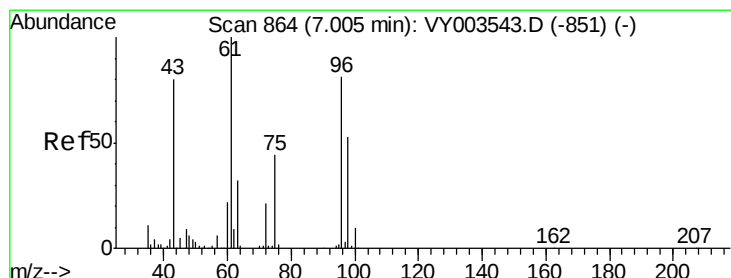
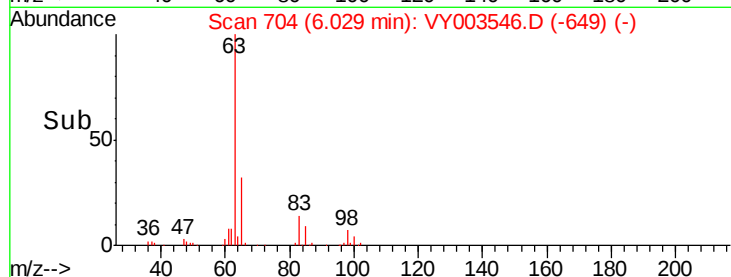
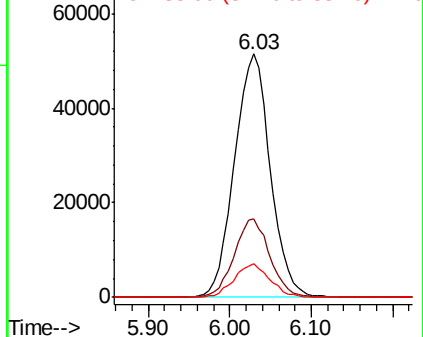
83 13.6 9.9 18.5



Abundance Ion 63.00 (62.70 to 63.70): VY0

Ion 65.00 (64.70 to 65.70): VY0

Ion 83.00 (82.70 to 83.70): VY0



#21

2-Butanone

Concen: 45.416 ug/L

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY003546.D

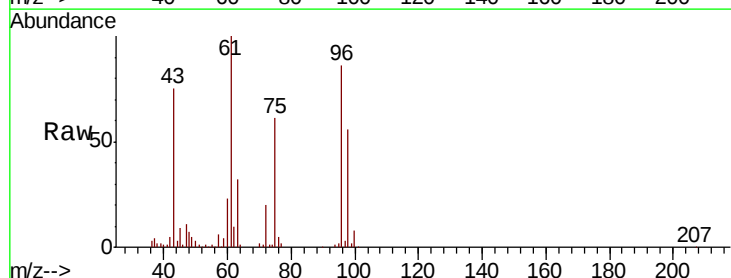
Acq: 19 Nov 2020 13:37

Tgt Ion: 43 Resp: 76285

Ion Ratio Lower Upper

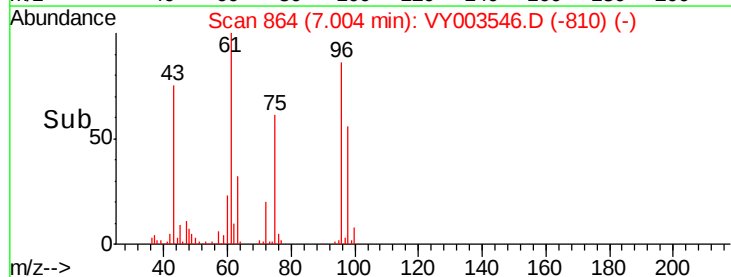
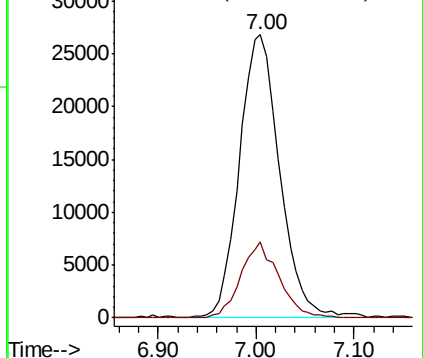
43 100

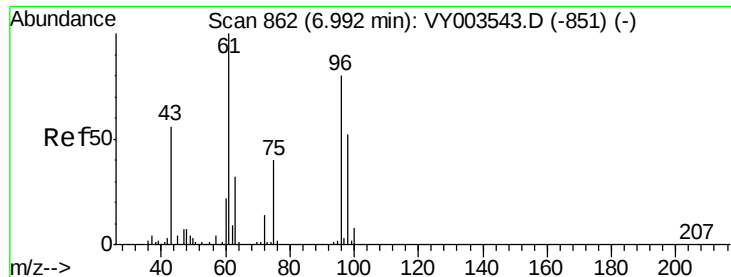
72 25.6 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



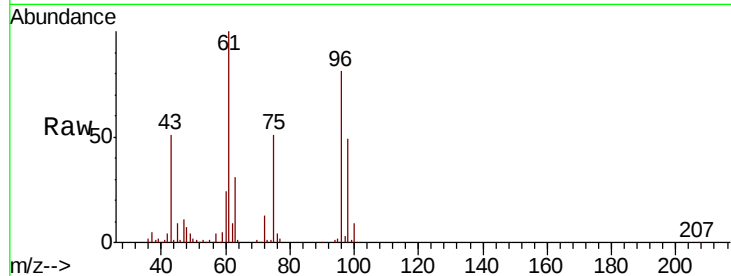


#22

cis-1,2-Dichloroethene
Concen: 25.684 ug/L
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003546.D
Acq: 19 Nov 2020 13:37

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Tot Ion	96	Resp	96262
Ion	Ratio	Lower	Upper
96	100		
61	123.2	88.1	163.5
98	61.0	45.6	84.6

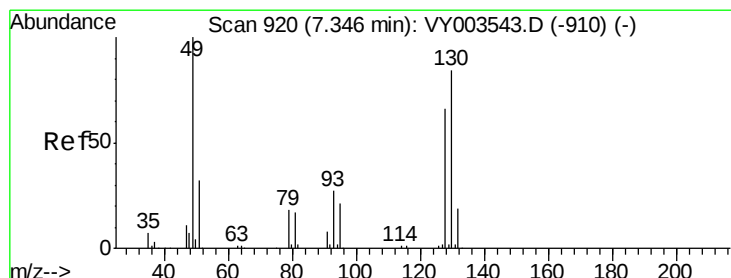
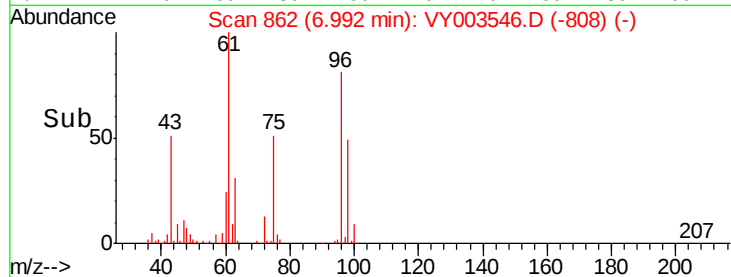
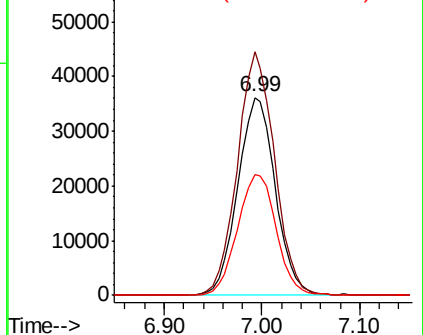


Abundance

Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

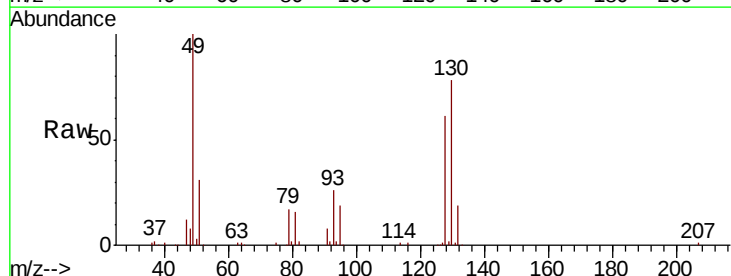
Ion 98.00 (97.70 to 98.70): VY0



#23

Bromochloromethane
Concen: 25.173 ug/L
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY003546.D
Acq: 19 Nov 2020 13:37

Tgt Ion	128	Resp	45684
Ion	Ratio	Lower	Upper
128	100		
49	165.0	107.3	199.3
130	129.1	89.3	165.9
51	51.6	38.8	58.2



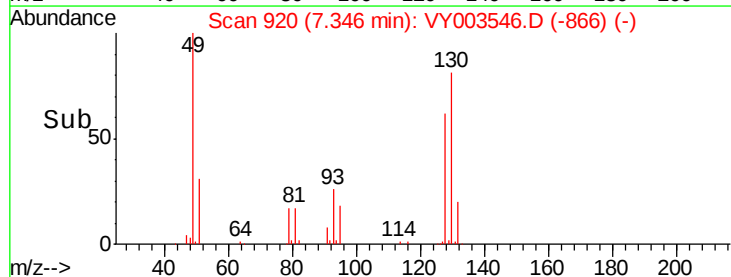
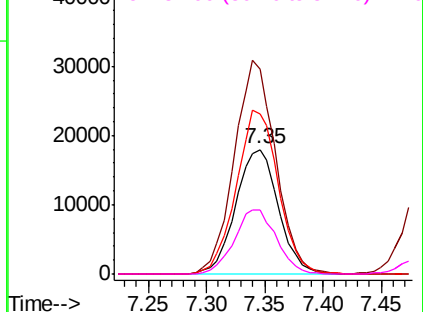
Abundance

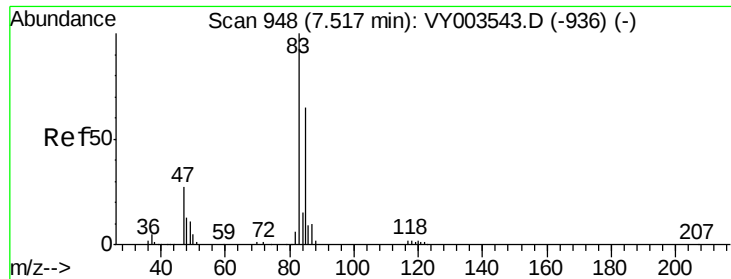
Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VY0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VY0

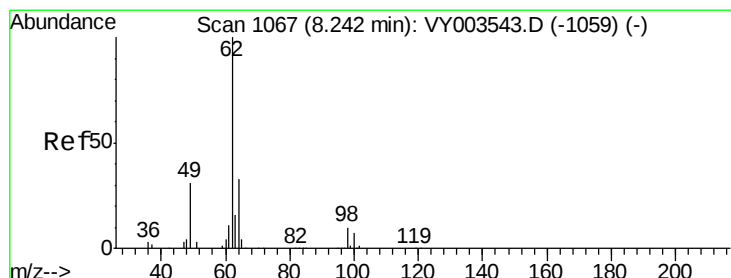
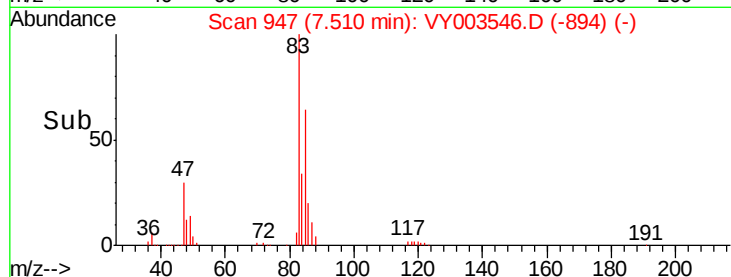
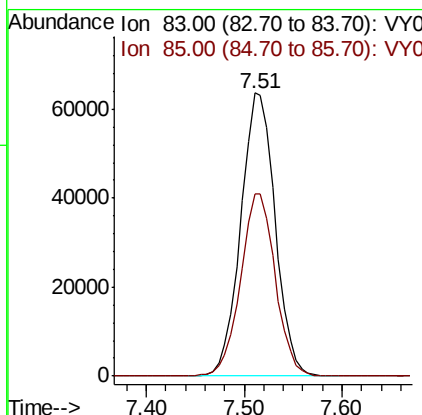
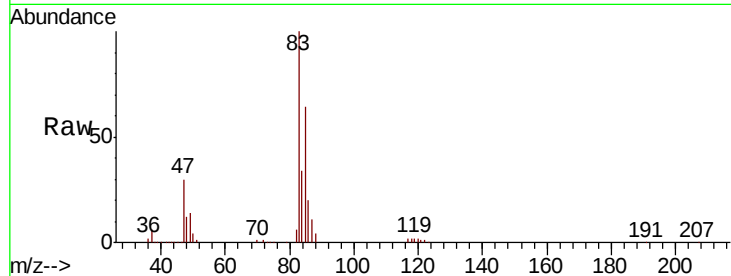




#25
Chloroform
Concen: 25.290 ug/L
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY003546.D
Acq: 19 Nov 2020 13:37

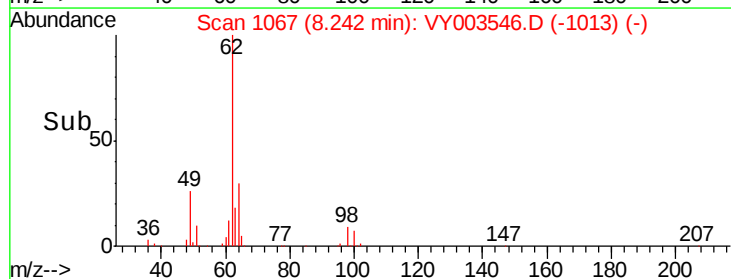
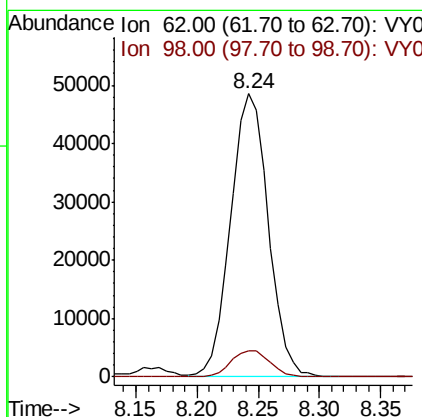
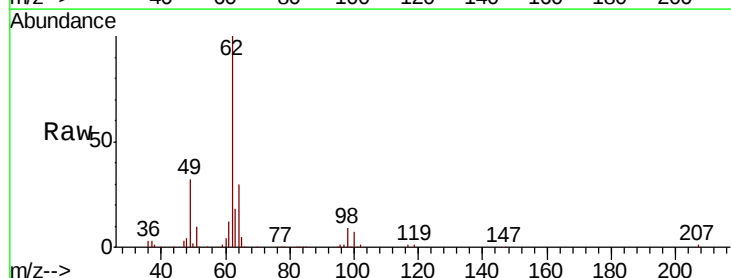
Instrument :
MSVOA_Y
ClientSampleId :
BFB

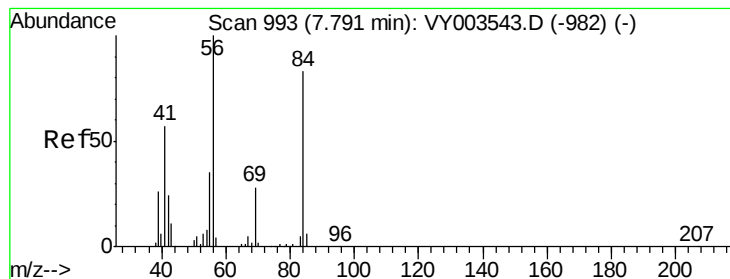
Tot Ion: 83 Resp: 154976
Ion Ratio Lower Upper
83 100
85 65.0 46.2 85.8



#27
1,2-Dichloroethane
Concen: 25.061 ug/L
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY003546.D
Acq: 19 Nov 2020 13:37

Tgt Ion: 62 Resp: 103742
Ion Ratio Lower Upper
62 100
98 9.3 7.7 11.5





#30

Cyclohexane

Concen: 25.942 ug/L

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

Instrument :

MSVOA_Y

ClientSampled :

BFB

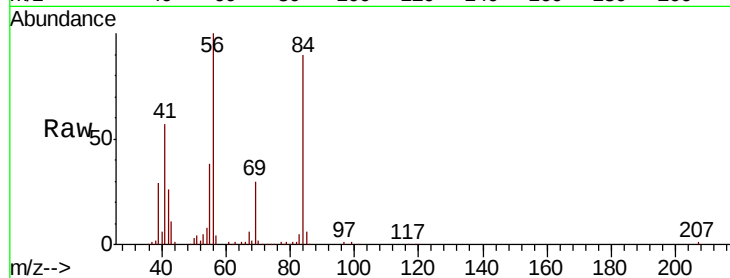
Tot Ion: 56 Resp: 139838

Ion Ratio Lower Upper

56 100

69 29.9 23.3 34.9

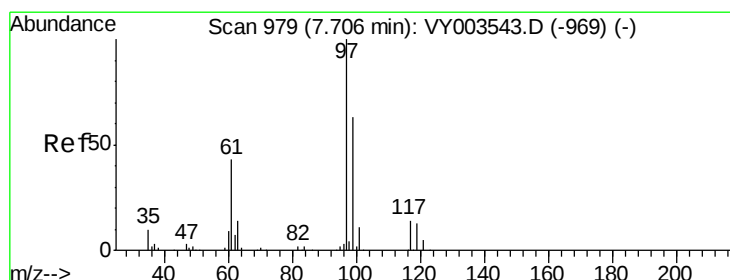
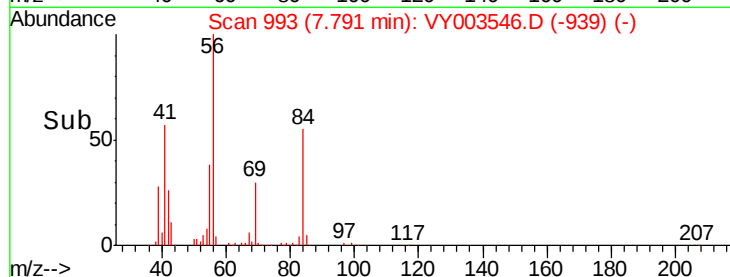
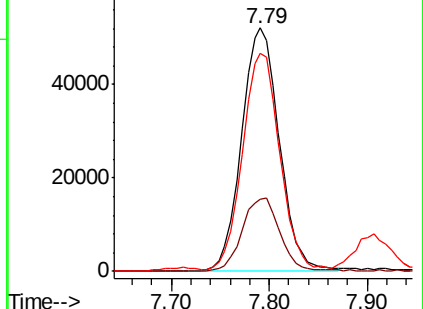
84 87.4 69.9 104.9



Abundance Ion 56.00 (55.70 to 56.70): VY003546.D (-939) (-)

Ion 69.00 (68.70 to 69.70): VY003546.D (-939) (-)

Ion 84.00 (83.70 to 84.70): VY003546.D (-939) (-)



#31

1,1,1-Trichloroethane

Concen: 25.118 ug/L

RT: 7.71 min Scan# 979

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

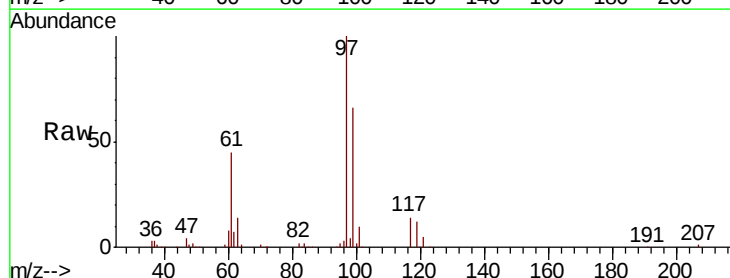
Tgt Ion: 97 Resp: 121149

Ion Ratio Lower Upper

97 100

99 64.5 52.1 78.1

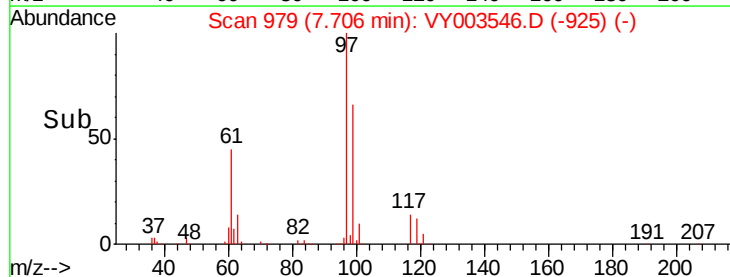
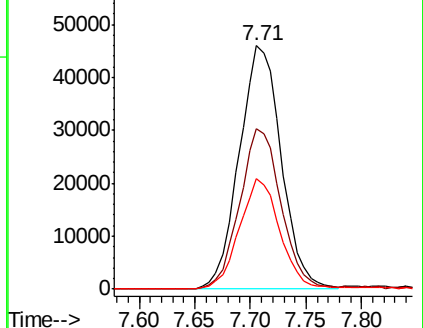
61 43.8 34.9 52.3

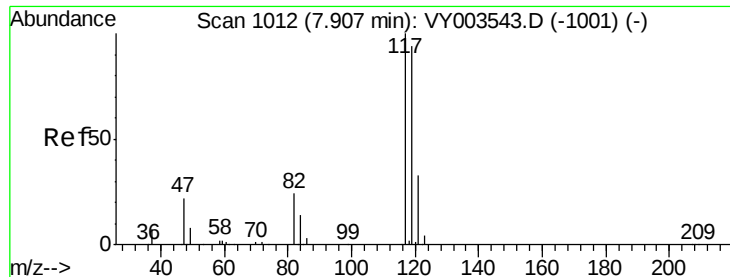


Abundance Ion 97.00 (96.70 to 97.70): VY003546.D (-925) (-)

Ion 99.00 (98.70 to 99.70): VY003546.D (-925) (-)

Ion 61.00 (60.70 to 61.70): VY003546.D (-925) (-)





#32

Carbon tetrachloride

Concen: 25.559 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

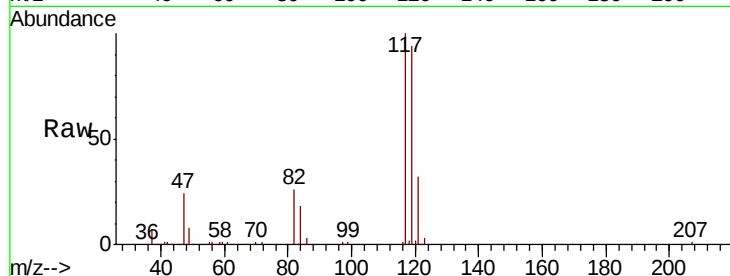
BFB

Tot Ion:117 Resp: 117158

Ion Ratio Lower Upper

117 100

119 94.2 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

7.91

50000

40000

30000

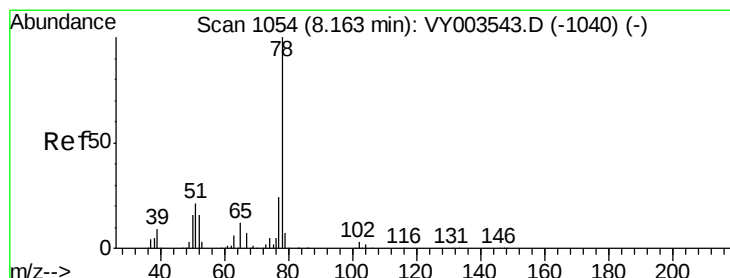
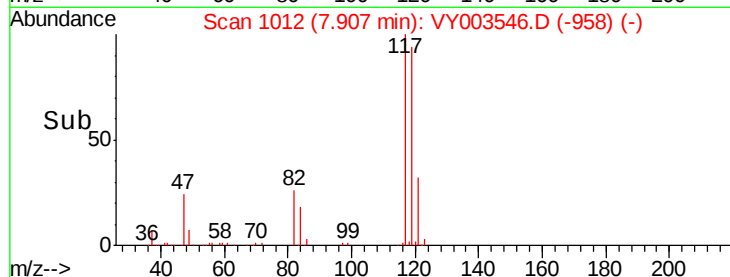
20000

10000

0

Time-->

7.80 7.90 8.00



#34

Benzene

Concen: 25.731 ug/L

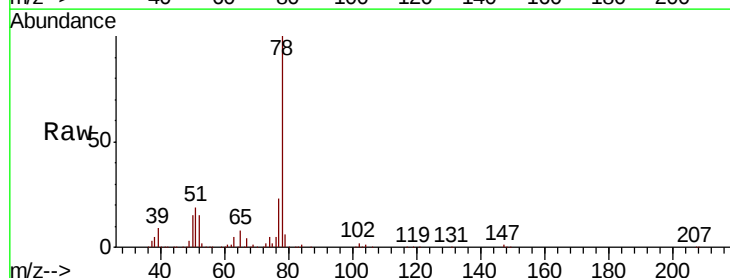
RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

Tgt Ion: 78 Resp: 359825



Abundance Ion 78.00 (77.70 to 78.70): VY0

8.17

150000

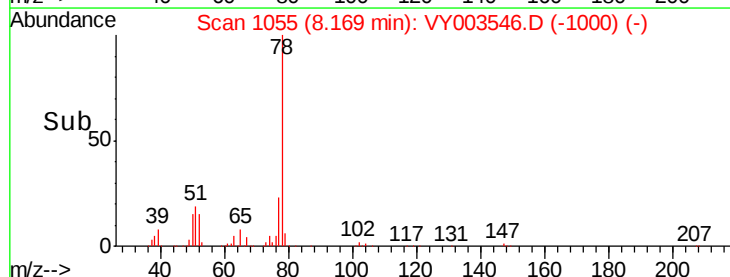
100000

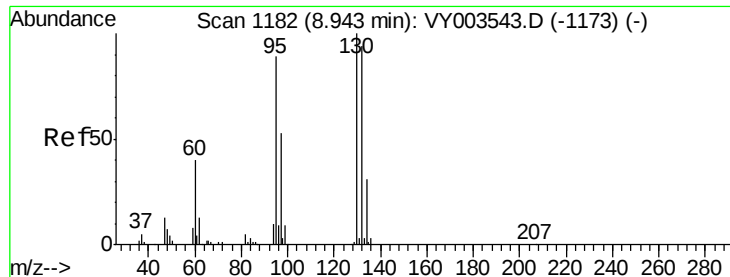
50000

0

Time-->

8.00 8.10 8.20 8.30





#35

Trichloroethene

Concen: 25.532 ug/L

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

BFB

Tot Ion: 95 Resp: 90417

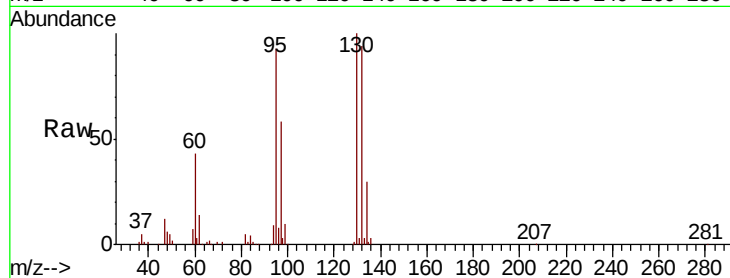
Ion Ratio Lower Upper

95 100

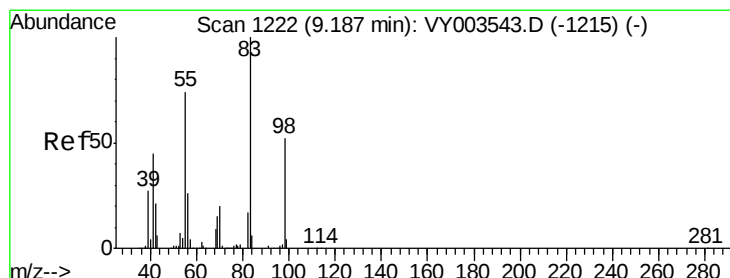
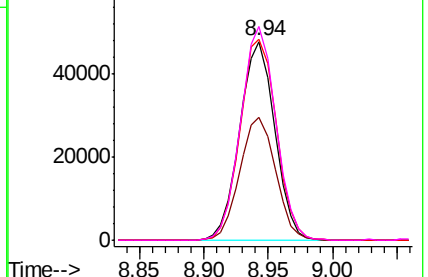
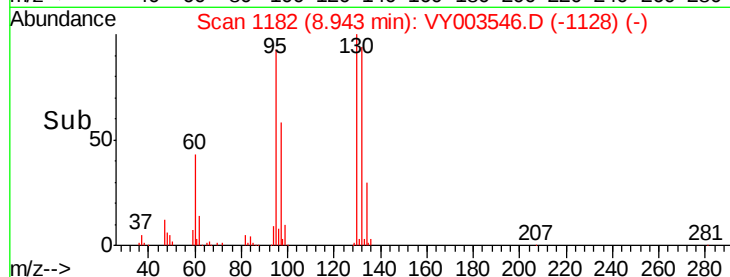
97 63.3 44.5 82.7

132 104.6 73.1 135.7

130 107.6 76.1 141.3



Abundance Ion 95.00 (94.70 to 95.70): VY0
Ion 97.00 (96.70 to 97.70): VY0
Ion 132.00 (131.70 to 132.70): VY0
Ion 130.00 (129.70 to 130.70): VY0



#36

Methylcyclohexane

Concen: 25.336 ug/L

RT: 9.19 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

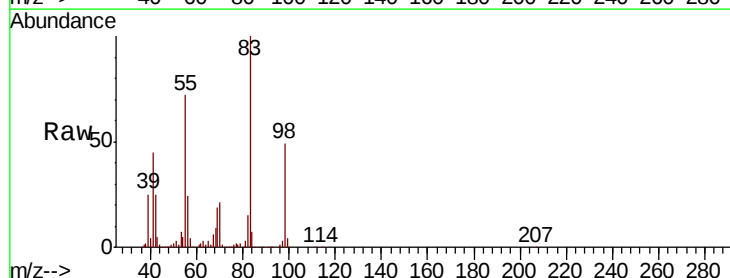
Tgt Ion: 83 Resp: 140259

Ion Ratio Lower Upper

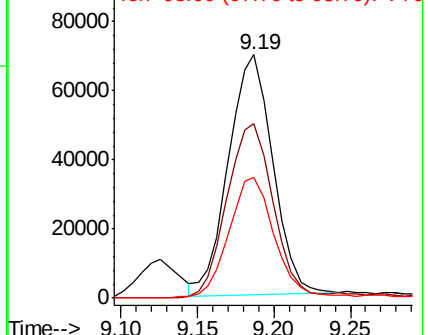
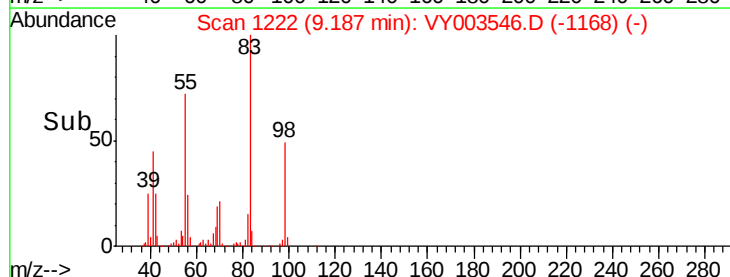
83 100

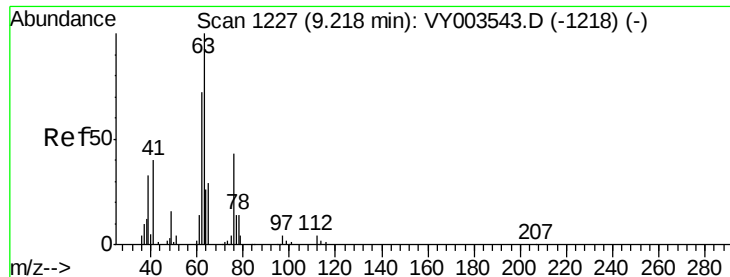
55 75.6 60.8 91.2

98 52.1 40.6 61.0



Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

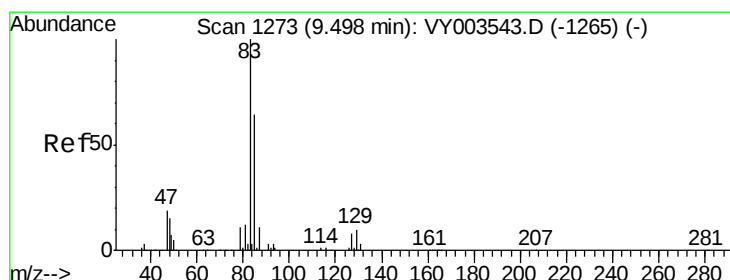
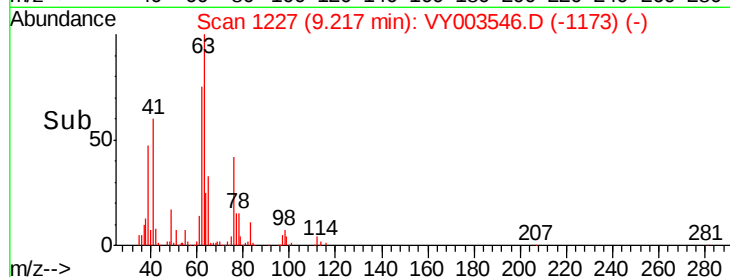
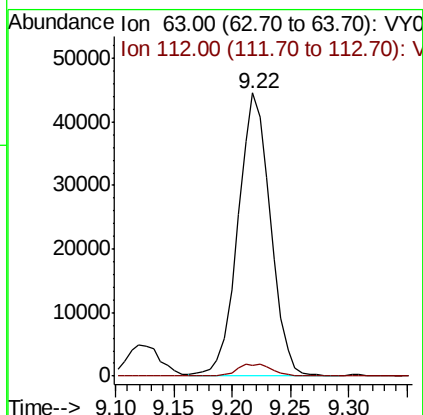
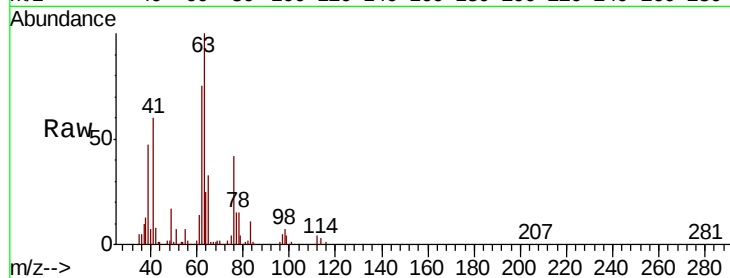




#40
 1,2-Dichloropropane
 Concen: 25.035 ug/L
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY003546.D
 Acq: 19 Nov 2020 13:37

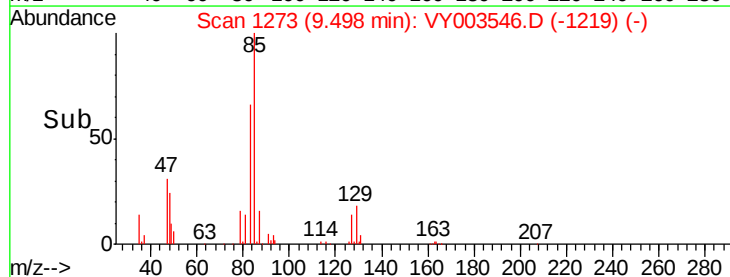
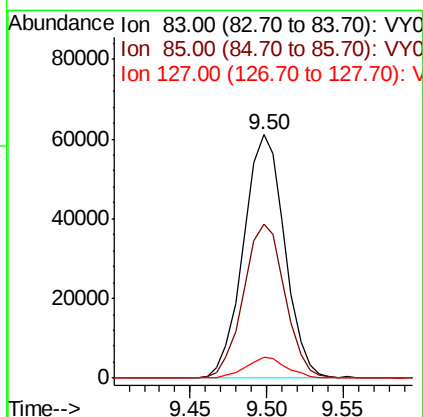
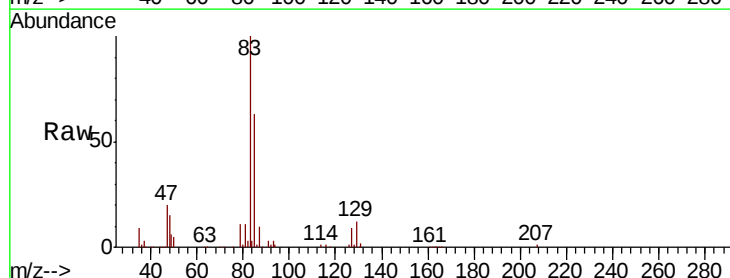
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

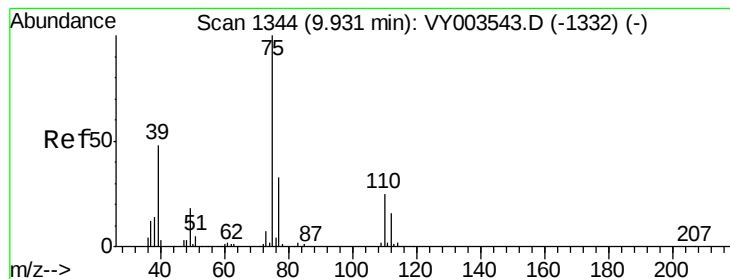
Tot Ion: 63 Resp: 86318
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#41
 Bromodichloromethane
 Concen: 25.995 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VY003546.D
 Acq: 19 Nov 2020 13:37

Tgt Ion: 83 Resp: 114400
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.1 83.7
 127 8.6 6.8 10.2



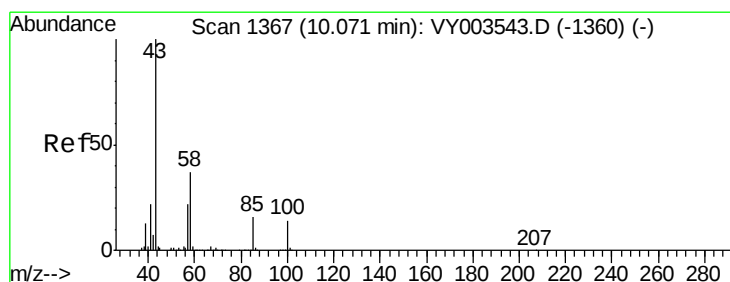
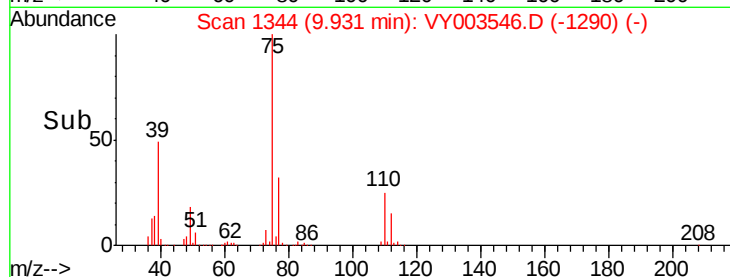
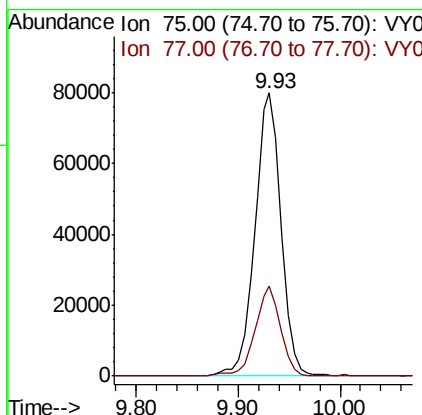
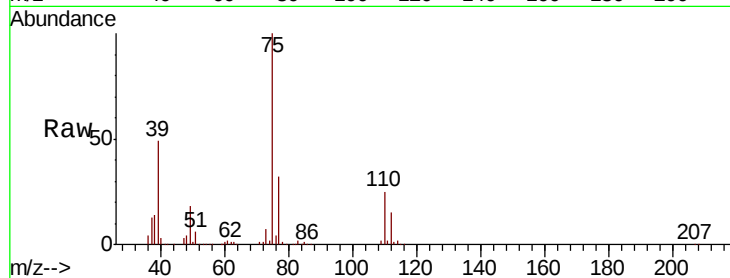


#42

cis-1,3-Dichloropropene
 Concen: 26.283 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY003546.D
 Acq: 19 Nov 2020 13:37

Instrument :
 MSVOA_Y
 ClientSampled :
 BFB

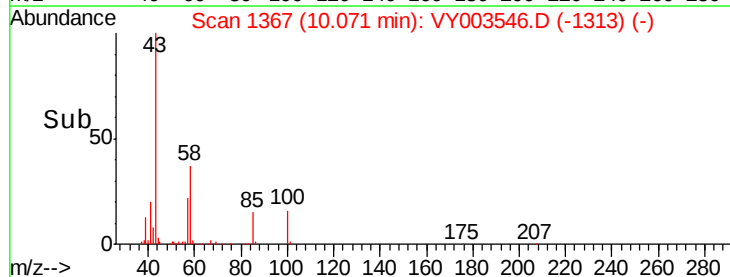
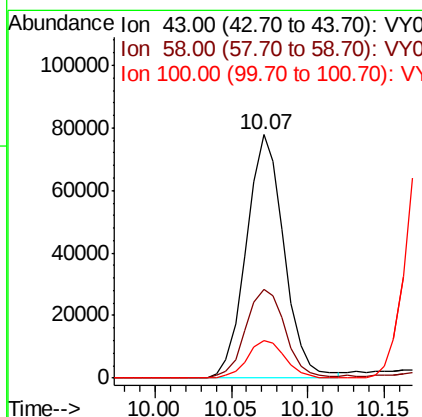
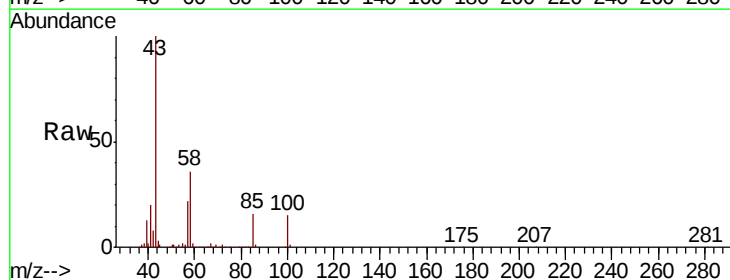
Tot Ion: 75 Resp: 142909
 Ion Ratio Lower Upper
 75 100
 77 31.6 23.2 43.0

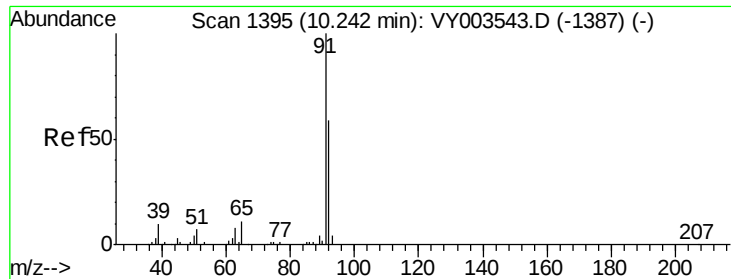


#43

4-Methyl-2-pentanone
 Concen: 46.368 ug/L
 RT: 10.07 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VY003546.D
 Acq: 19 Nov 2020 13:37

Tgt Ion: 43 Resp: 133772
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.2 45.2
 100 15.6 11.7 17.5





#44

Toluene

Concen: 25.737 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

Instrument :

MSVOA_Y

ClientSampled :

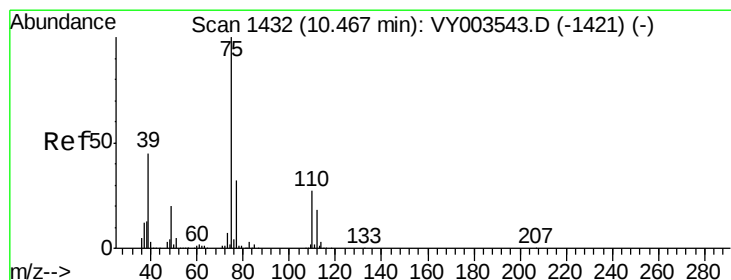
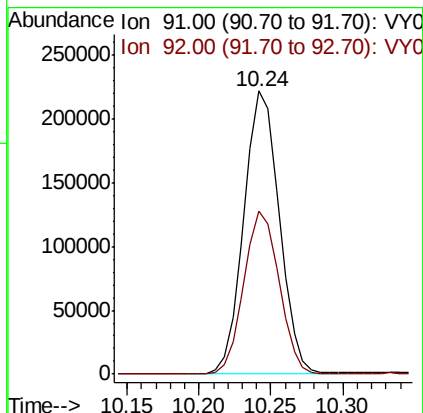
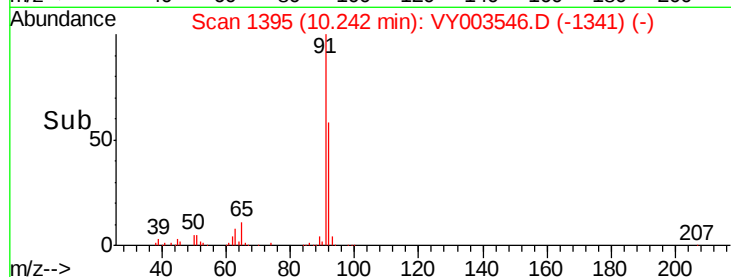
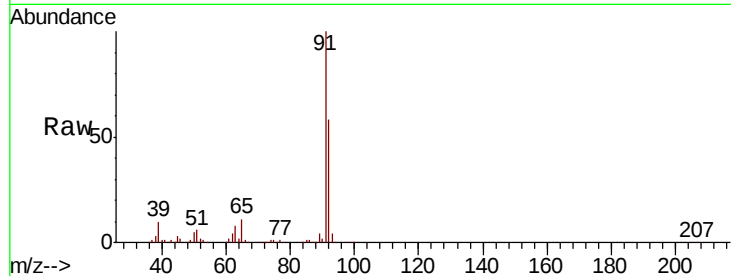
BFB

Tot Ion: 91 Resp: 379334

Ion Ratio Lower Upper

91 100

92 57.7 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 26.186 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003546.D

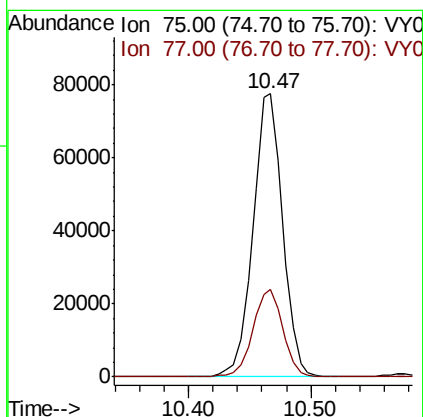
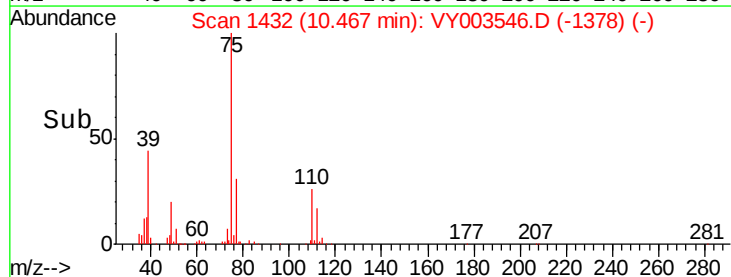
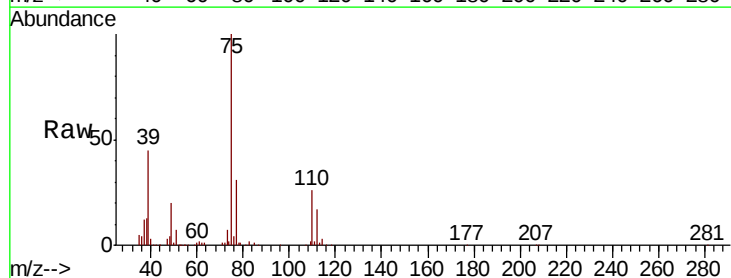
Acq: 19 Nov 2020 13:37

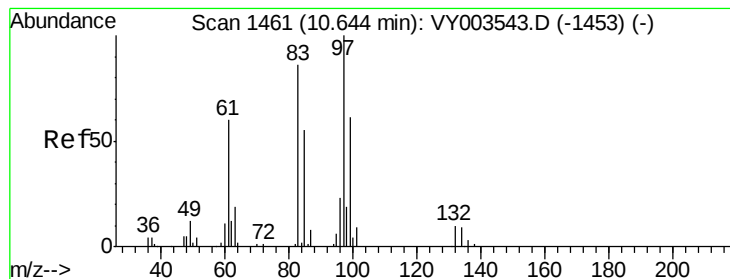
Tgt Ion: 75 Resp: 131144

Ion Ratio Lower Upper

75 100

77 30.9 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 25.772 ug/L

RT: 10.64 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

BFB

Tot Ion: 97 Resp: 70997

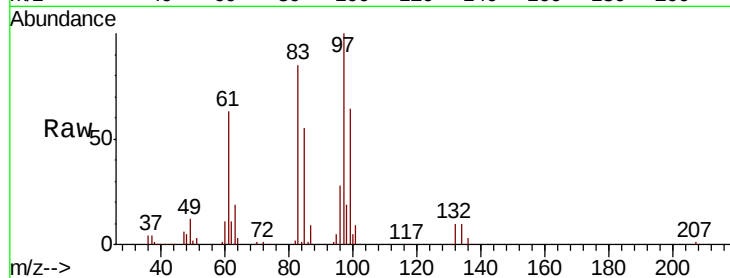
Ion Ratio Lower Upper

97 100

83 85.0 60.1 111.5

85 55.4 38.9 72.2

99 64.1 43.0 80.0

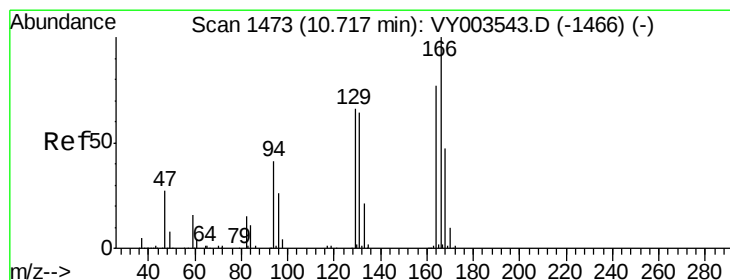
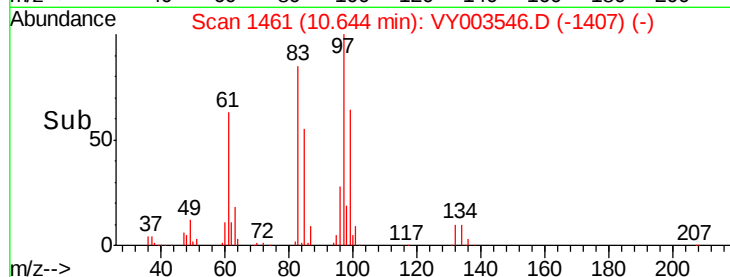
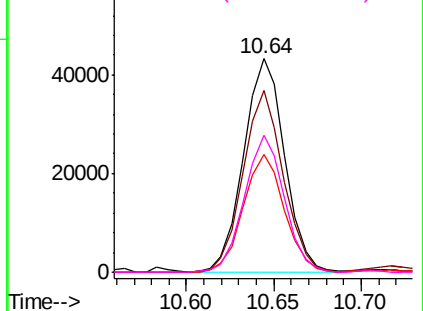


Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 99.00 (98.70 to 99.70): VY0



#47

Tetrachloroethene

Concen: 25.411 ug/L

RT: 10.72 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

Tgt Ion:164 Resp: 78230

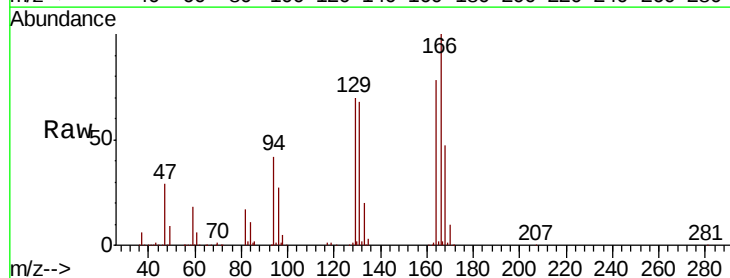
Ion Ratio Lower Upper

164 100

129 89.6 60.6 112.6

131 87.1 58.7 109.1

166 128.6 91.2 169.4

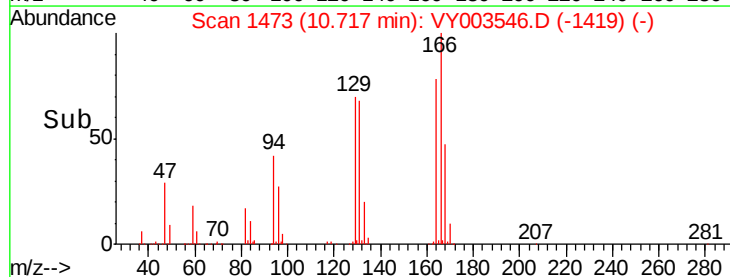
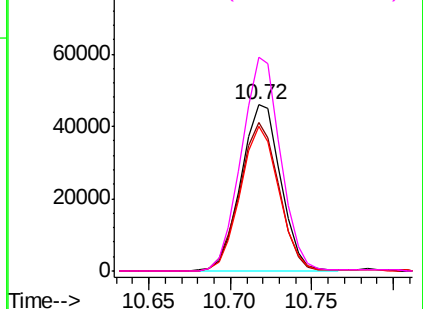


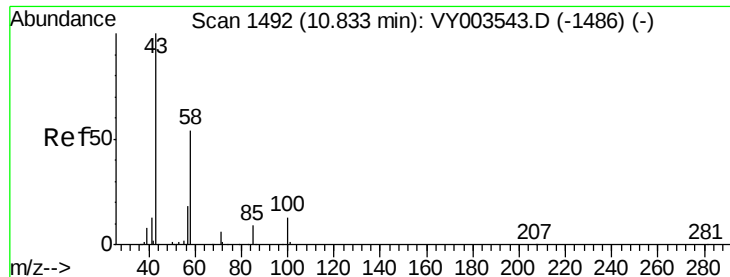
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

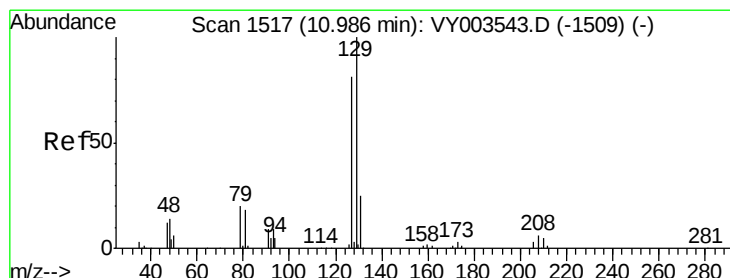
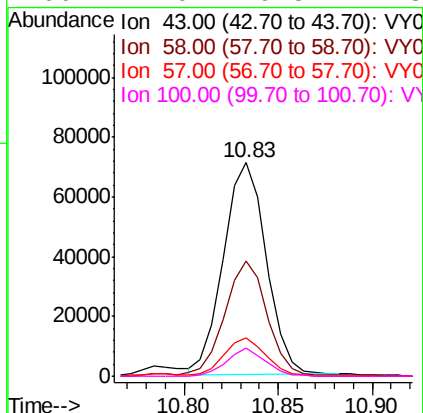
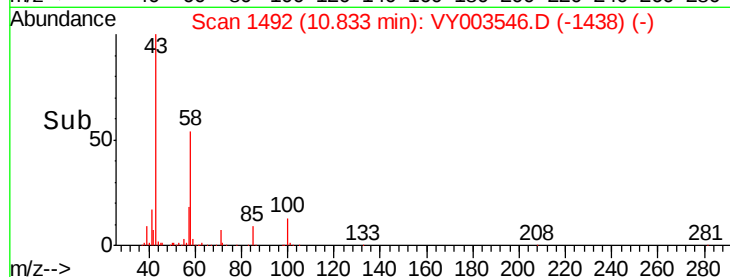
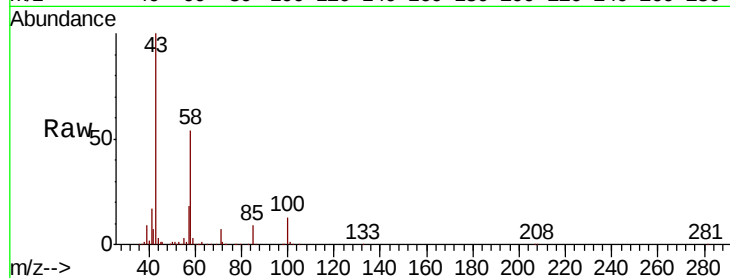




#49
2-Hexanone
Concen: 48.982 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003546.D
Acq: 19 Nov 2020 13:37

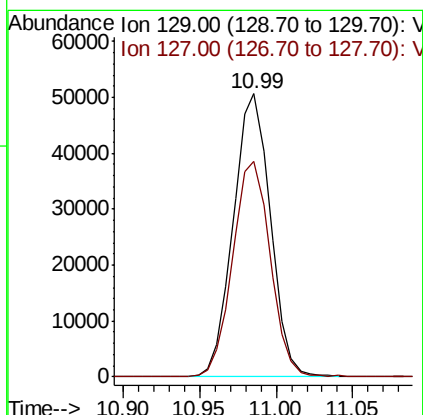
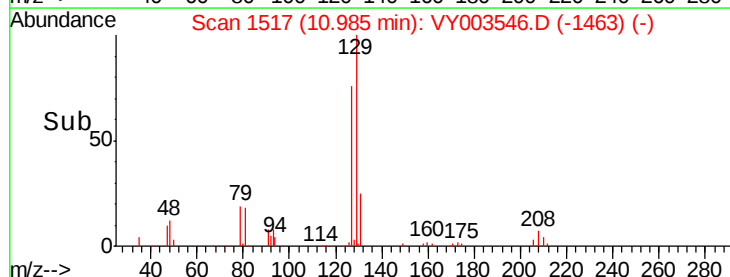
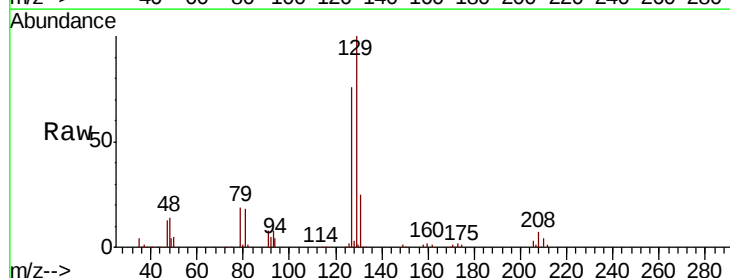
Instrument :
MSVOA_Y
ClientSampled :
BFB

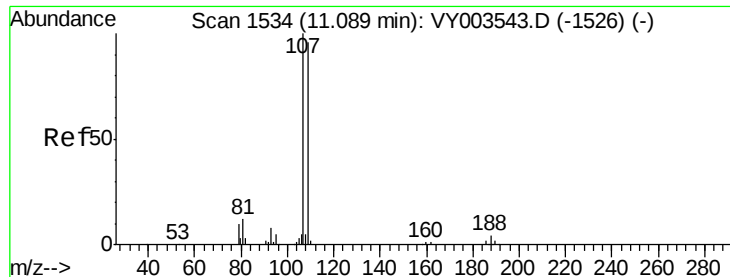
Tot Ion: 43 Resp: 111622
Ion Ratio Lower Upper
43 100
58 53.8 42.1 63.1
57 17.7 14.2 21.2
100 12.0 9.5 14.3



#50
Dibromochloromethane
Concen: 25.707 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003546.D
Acq: 19 Nov 2020 13:37

Tgt Ion: 129 Resp: 85392
Ion Ratio Lower Upper
129 100
127 76.3 56.6 105.0





#51

1,2-Dibromoethane

Concen: 26.034 ug/L

RT: 11.09 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

Instrument :

MSVOA_Y

ClientSampled :

BFB

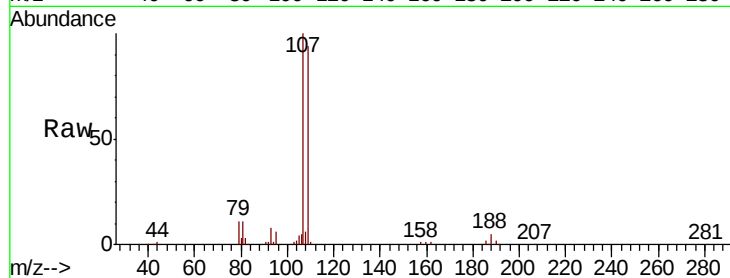
Tot Ion:107 Resp: 71480

Ion Ratio Lower Upper

107 100

109 93.6 66.8 124.2

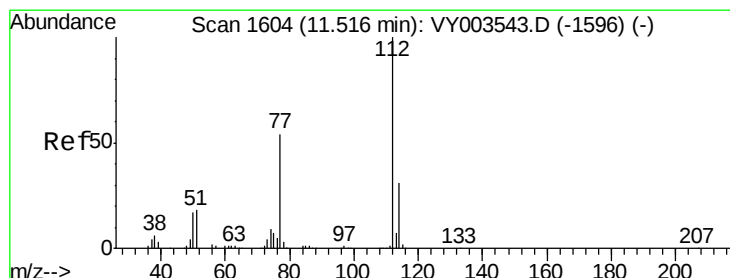
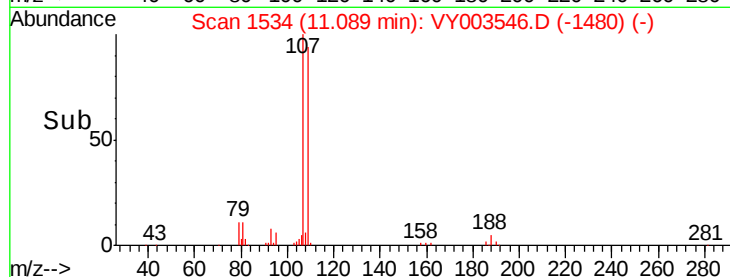
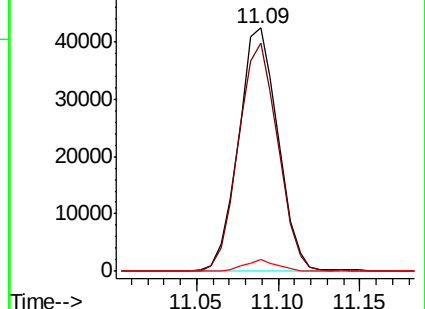
188 4.8 3.3 4.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.384 ug/L

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

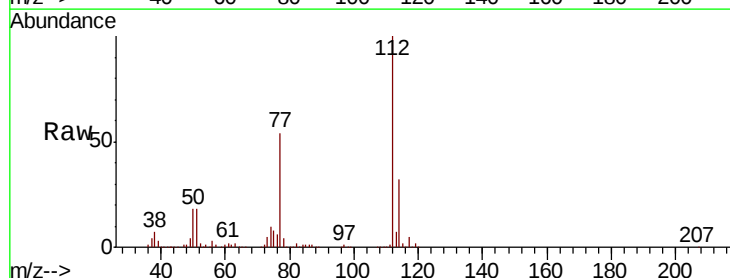
Tgt Ion:112 Resp: 238965

Ion Ratio Lower Upper

112 100

77 54.1 43.3 64.9

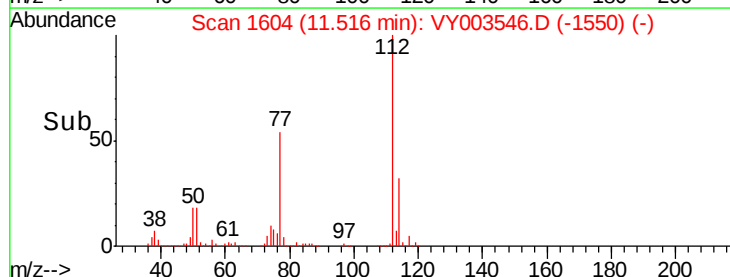
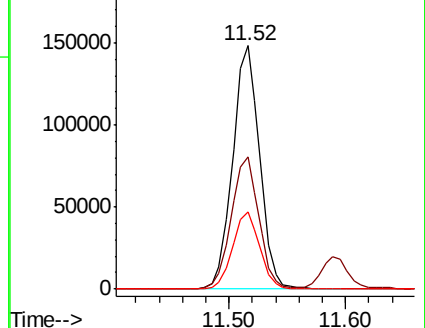
114 31.5 21.9 40.7

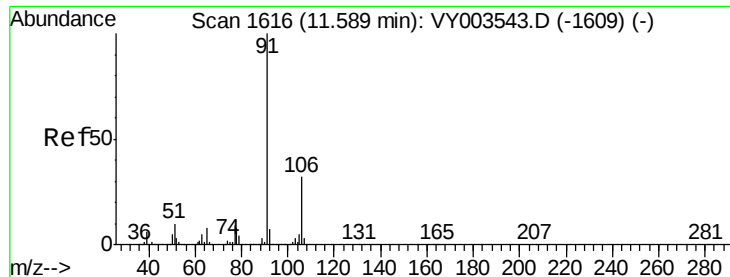


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 25.047 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

Instrument :

MSVOA_Y

ClientSampled :

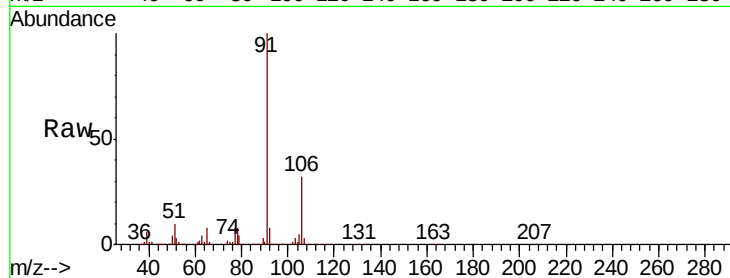
BFB

Tot Ion: 91 Resp: 379230

Ion Ratio Lower Upper

91 100

106 32.3 22.5 41.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V

250000

200000

150000

100000

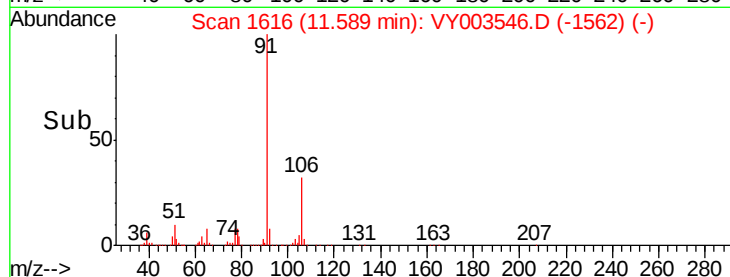
50000

0

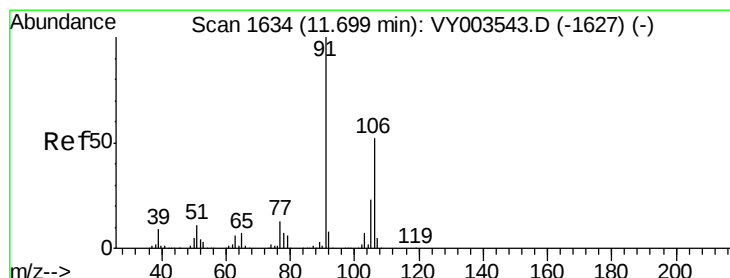
11.50

11.60

11.70



Time-->



#54

m,p-Xylene

Concen: 25.092 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003546.D

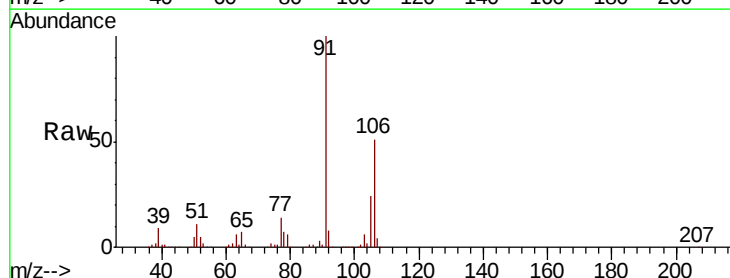
Acq: 19 Nov 2020 13:37

Tgt Ion:106 Resp: 146234

Ion Ratio Lower Upper

106 100

91 196.7 135.6 251.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

250000

200000

150000

100000

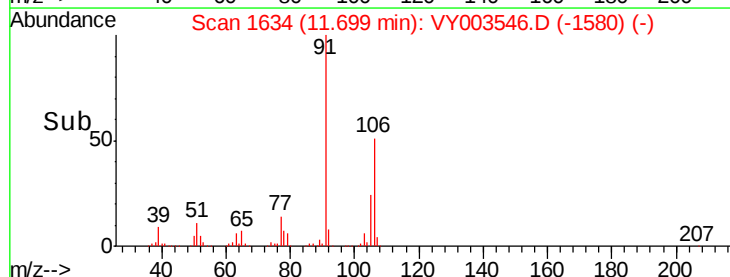
50000

0

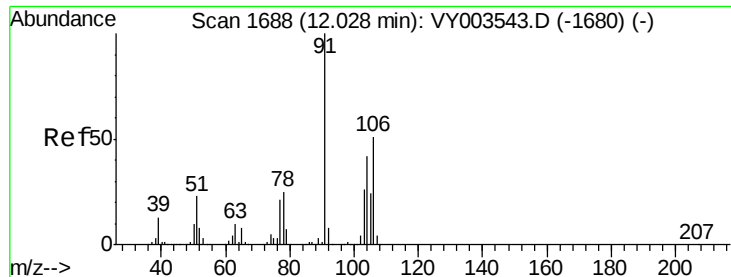
11.60

11.70

11.80



Time-->



#55

o-xylene

Concen: 24.659 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

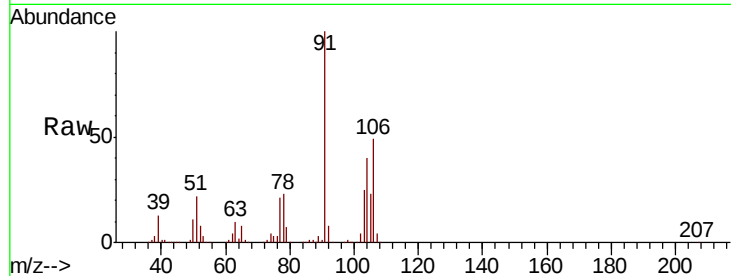
BFB

Tot Ion:106 Resp: 119965

Ion Ratio Lower Upper

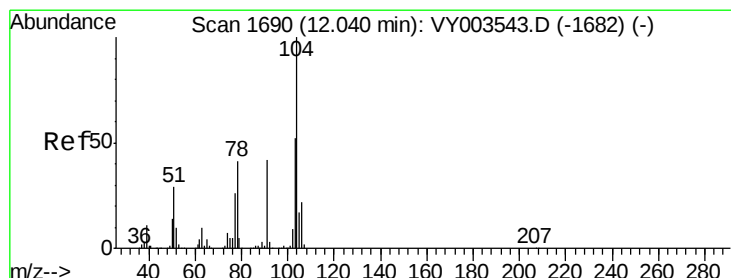
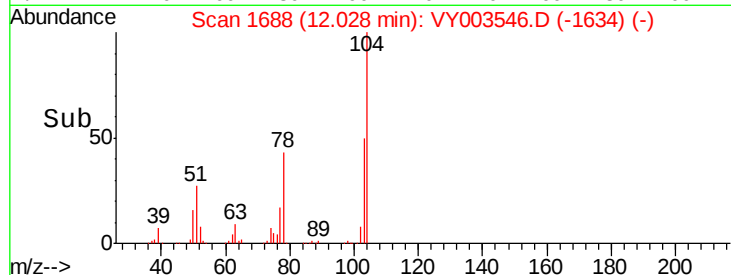
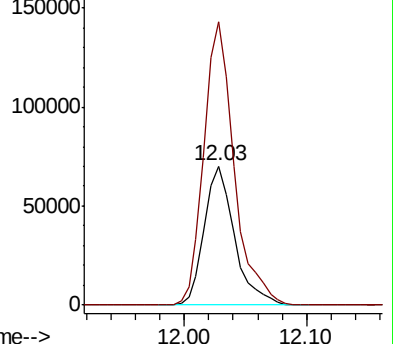
106 100

91 203.6 138.3 256.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 25.914 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VY003546.D

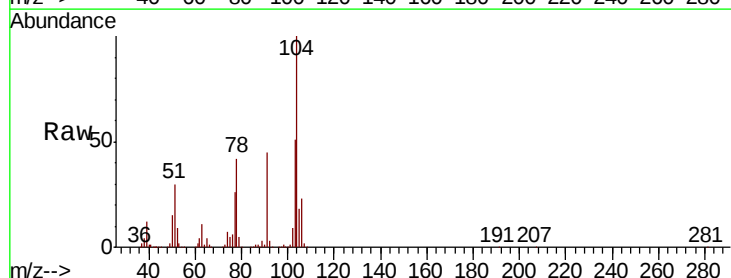
Acq: 19 Nov 2020 13:37

Tgt Ion:104 Resp: 246864

Ion Ratio Lower Upper

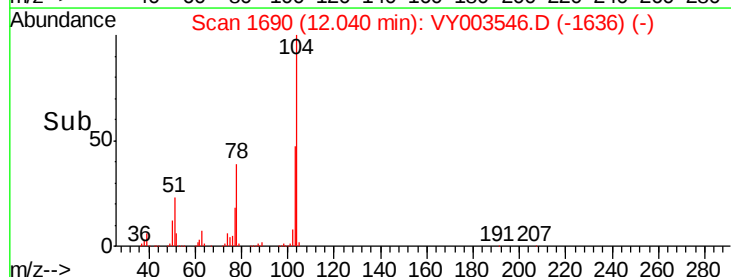
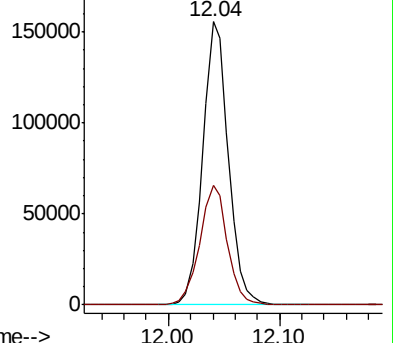
104 100

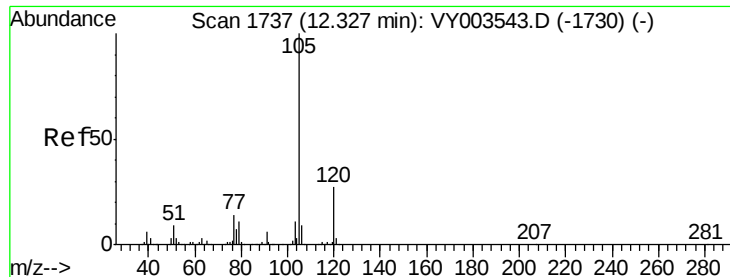
78 42.3 28.8 53.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 23.691 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

BFB

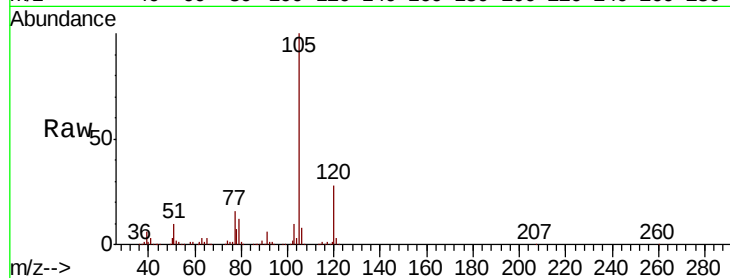
Tot Ion:105 Resp: 260858

Ion Ratio Lower Upper

105 100

120 27.3 21.7 32.5

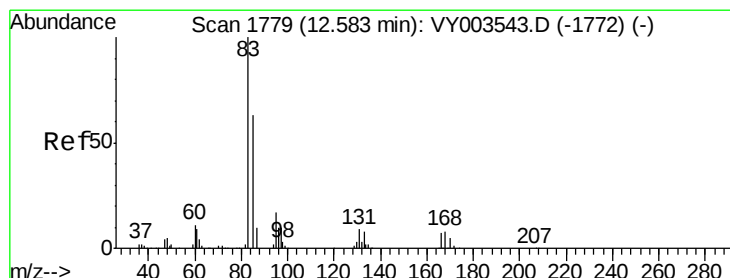
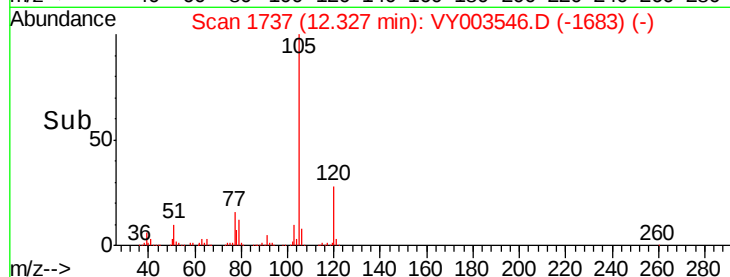
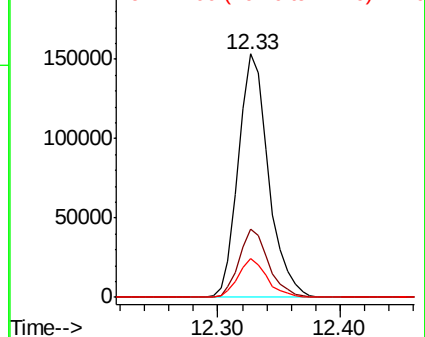
77 15.1 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): VY003546.D (-1730) (-)

Ion 120.00 (119.70 to 120.70): VY003546.D (-1730) (-)

Ion 77.00 (76.70 to 77.70): VY003546.D (-1730) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 23.870 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

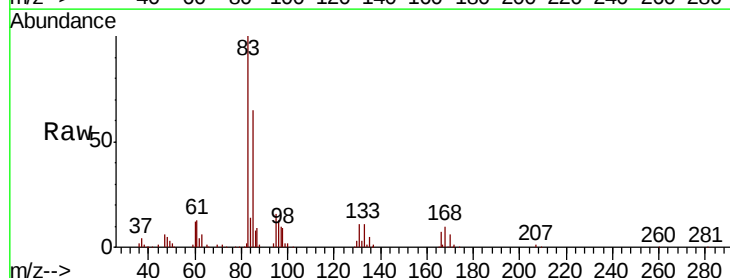
Tgt Ion: 83 Resp: 77581

Ion Ratio Lower Upper

83 100

85 65.2 44.8 83.2

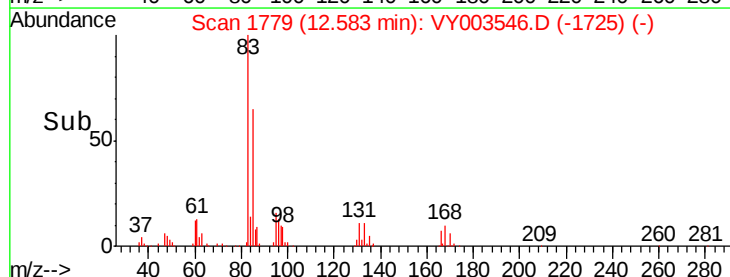
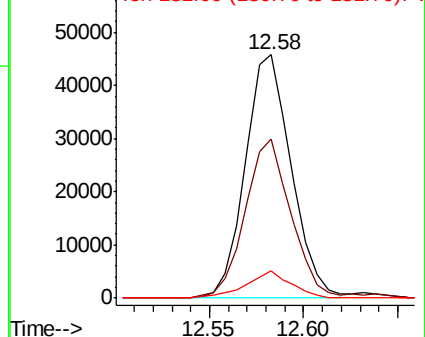
131 11.0 7.3 10.9#

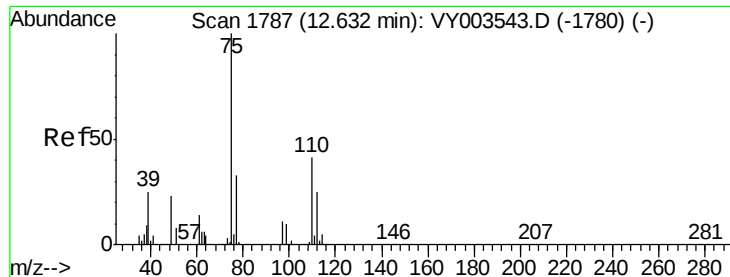


Abundance Ion 83.00 (82.70 to 83.70): VY003546.D (-1772) (-)

Ion 85.00 (84.70 to 85.70): VY003546.D (-1772) (-)

Ion 131.00 (130.70 to 131.70): VY003546.D (-1772) (-)





#59

1,2,3-Trichloropropane

Concen: 23.558 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

Instrument :

MSVOA_Y

ClientSampled :

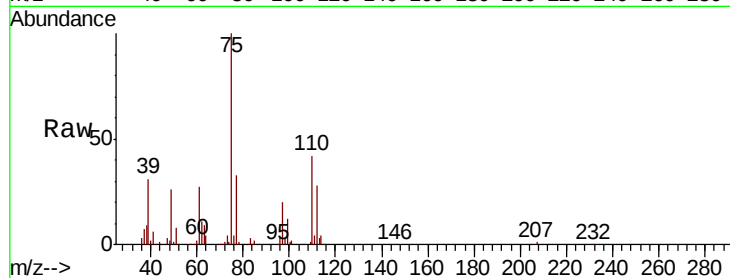
BFB

Tot Ion: 75 Resp: 59602

Ion Ratio Lower Upper

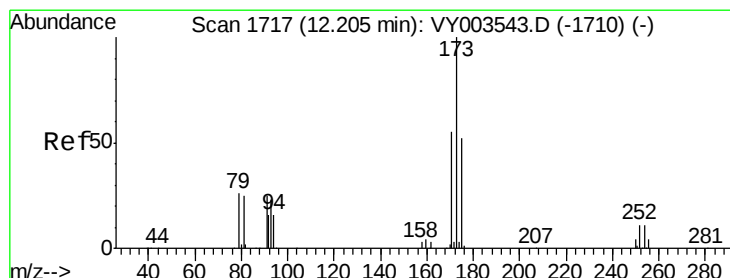
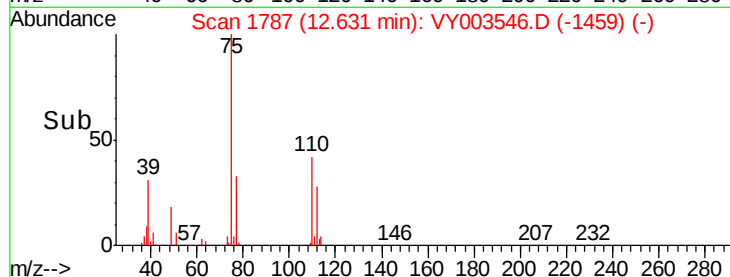
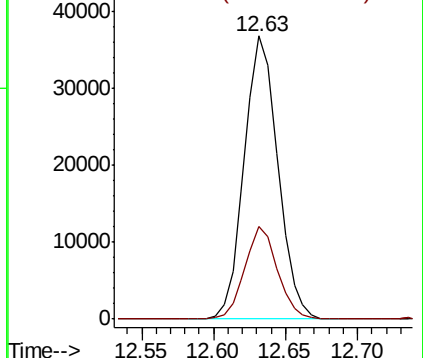
75 100

77 31.8 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#62

Bromoform

Concen: 25.090 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

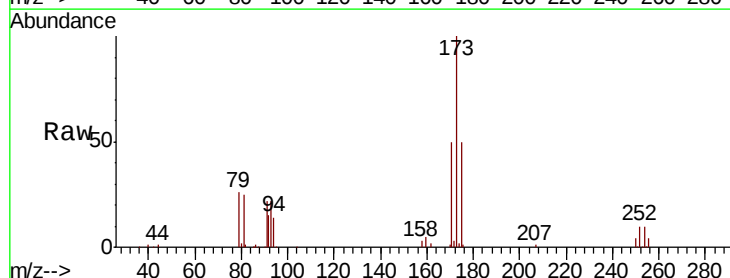
Tgt Ion: 173 Resp: 56792

Ion Ratio Lower Upper

173 100

175 48.4 39.5 59.3

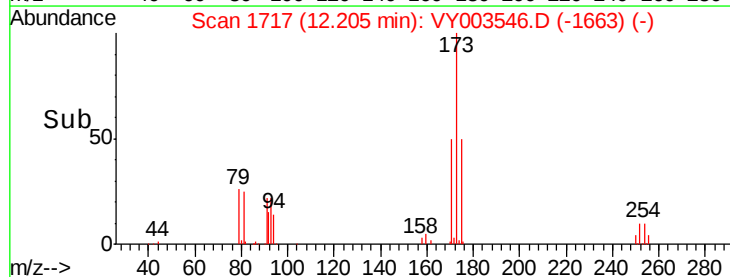
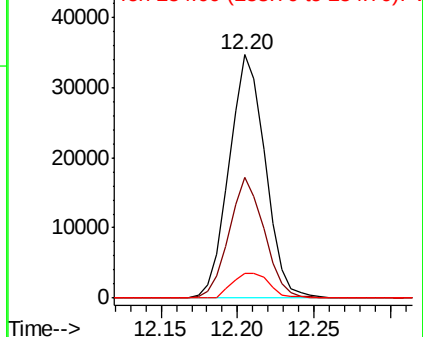
254 10.6 8.6 12.8

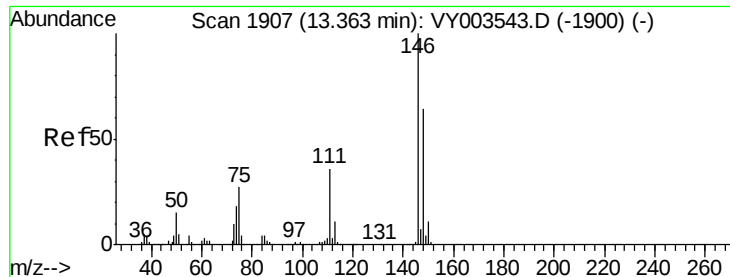


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

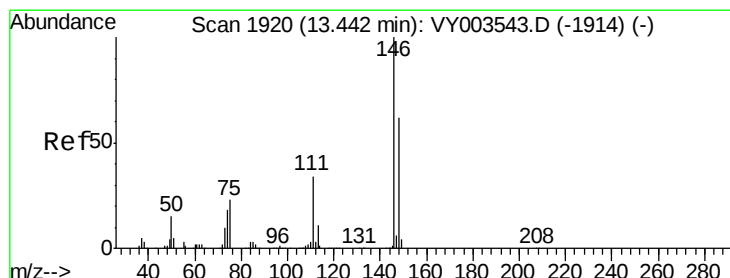
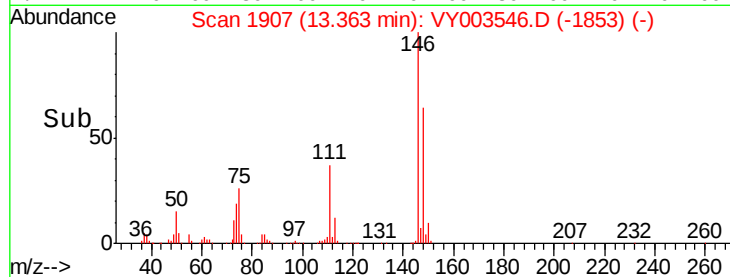
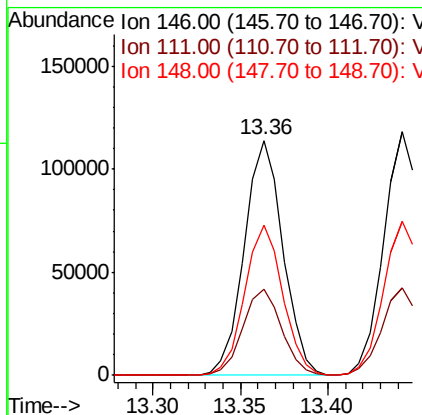
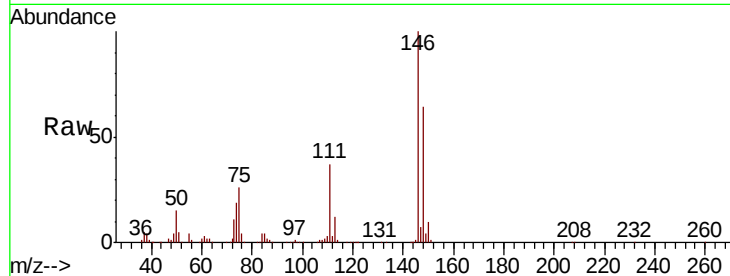




#63
 1,3-Dichlorobenzene
 Concen: 24.940 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003546.D
 Acq: 19 Nov 2020 13:37

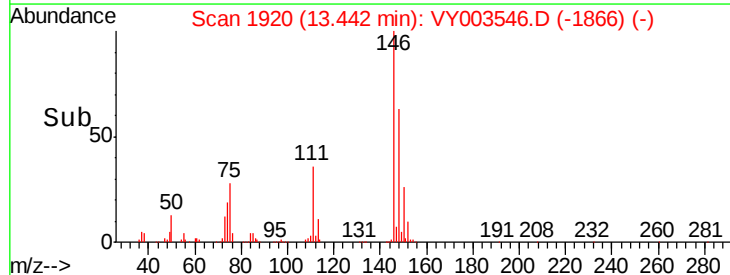
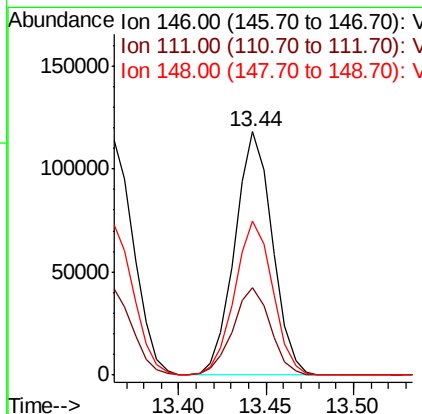
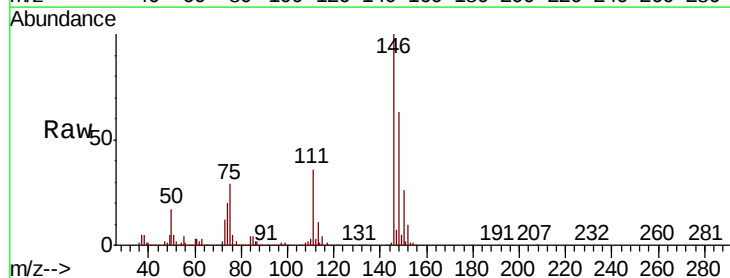
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

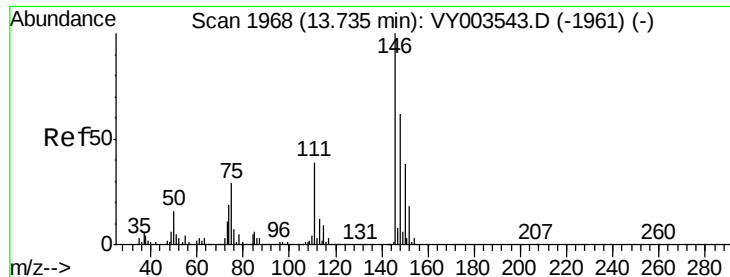
Tot Ion:146 Resp: 175513
 Ion Ratio Lower Upper
 146 100
 111 36.7 25.1 46.5
 148 64.1 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 24.346 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003546.D
 Acq: 19 Nov 2020 13:37

Tgt Ion:146 Resp: 176421
 Ion Ratio Lower Upper
 146 100
 111 35.8 24.1 44.8
 148 63.2 43.6 81.0





#65

1,2-Dichlorobenzene

Concen: 24.017 ug/L

RT: 13.73 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

BFB

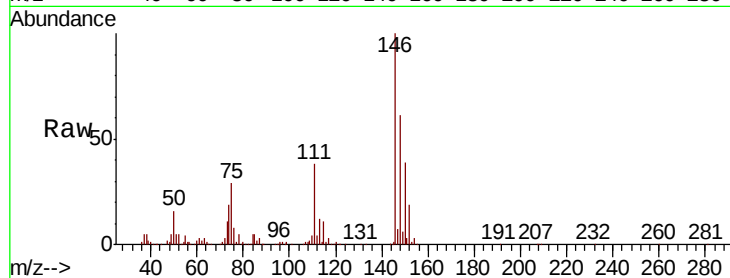
Tot Ion:146 Resp: 139198

Ion Ratio Lower Upper

146 100

111 37.5 31.0 46.6

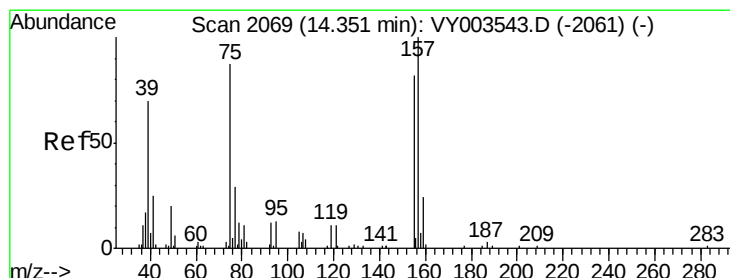
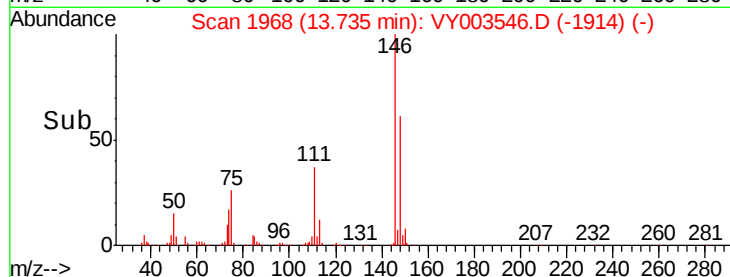
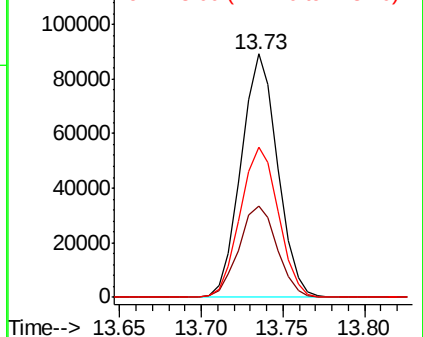
148 61.5 49.8 74.8



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: 21.847 ug/L

RT: 14.35 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

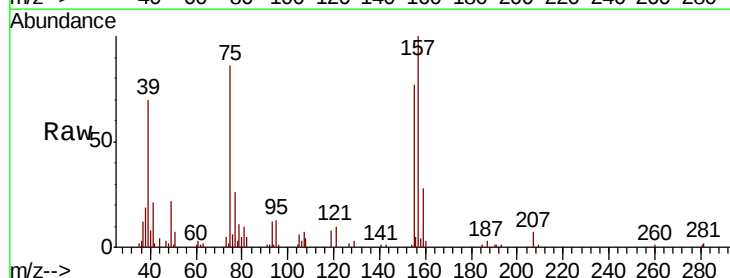
Tgt Ion: 75 Resp: 10778

Ion Ratio Lower Upper

75 100

157 116.7 91.8 137.6

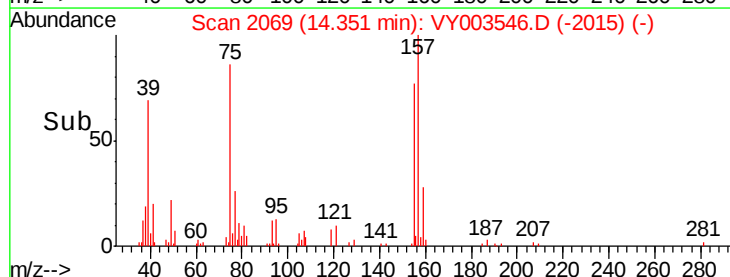
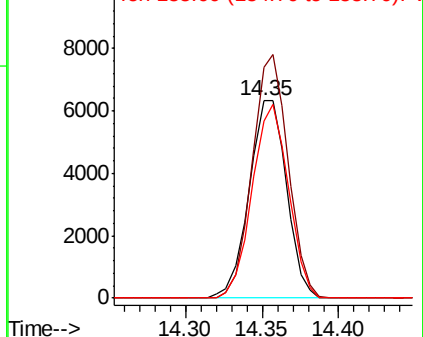
155 89.7 75.7 113.5

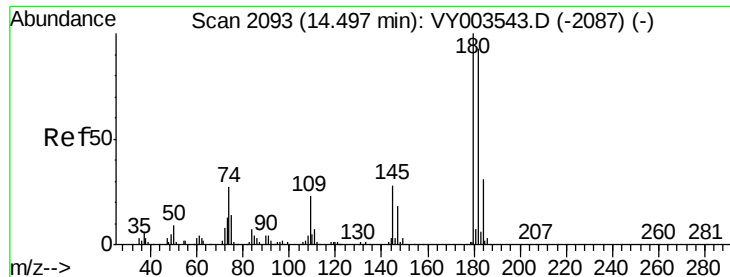


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

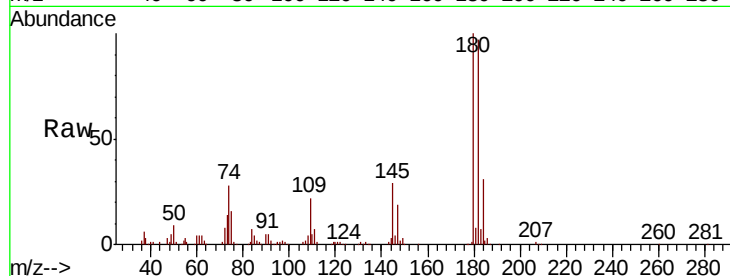




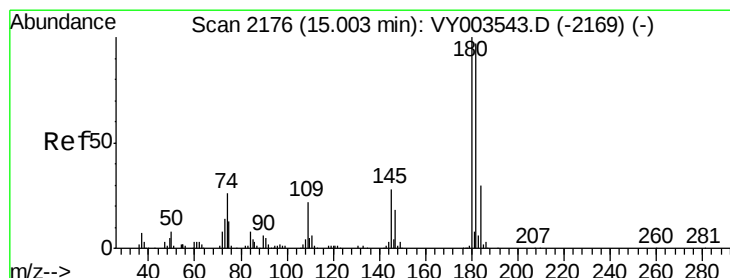
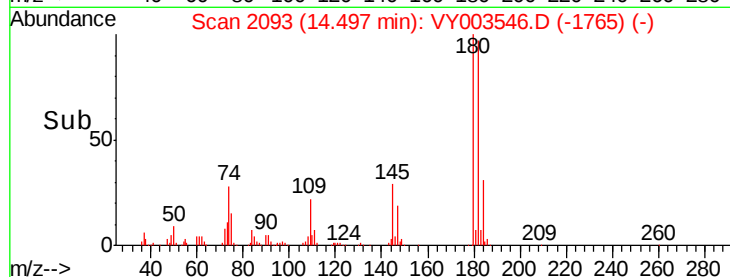
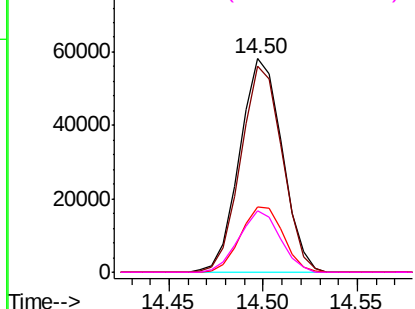
#67
 1,3,5-Trichlorobenzene
 Concen: 24.471 ug/L
 RT: 14.50 min Scan# 2093
 Delta R.T. -0.00 min
 Lab File: VY003546.D
 Acq: 19 Nov 2020 13:37

Instrument :
 MSVOA_Y
 ClientSampled :
 BFB

Tot Ion:180 Resp: 91359
 Ion Ratio Lower Upper
 180 100
 182 94.1 77.3 115.9
 184 30.6 24.4 36.6
 145 27.9 22.4 33.6

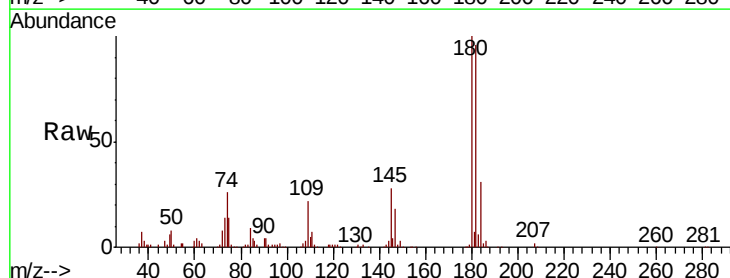


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

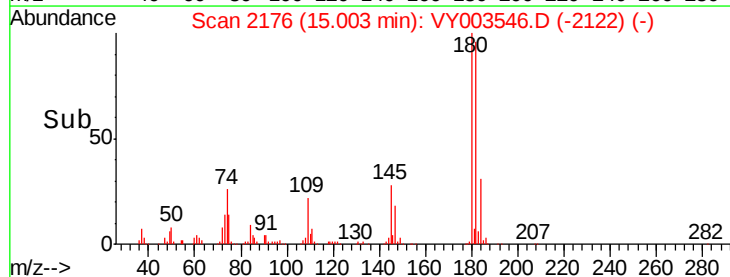
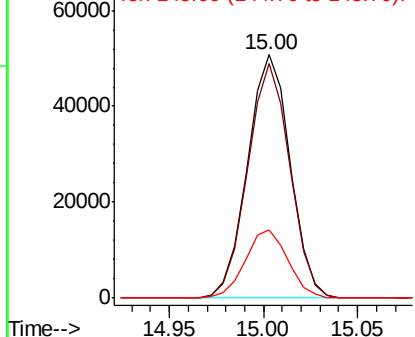


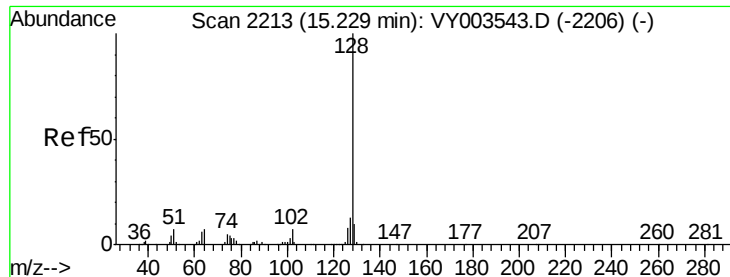
#68
 1,2,4-trichlorobenzene
 Concen: 24.716 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003546.D
 Acq: 19 Nov 2020 13:37

Tgt Ion:180 Resp: 79488
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.5 114.7
 145 27.9 22.8 34.2



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





#69

Naphthalene

Concen: 24.229 ug/L

RT: 15.23 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

BFB

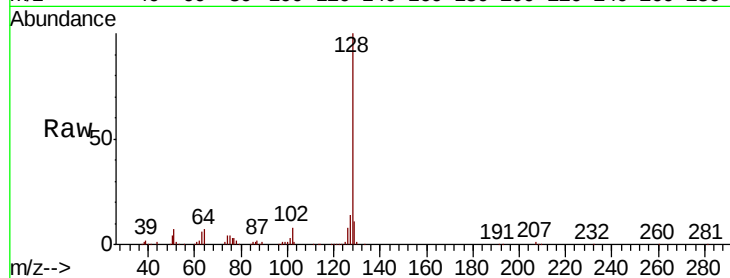
Tot Ion:128 Resp: 137443

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

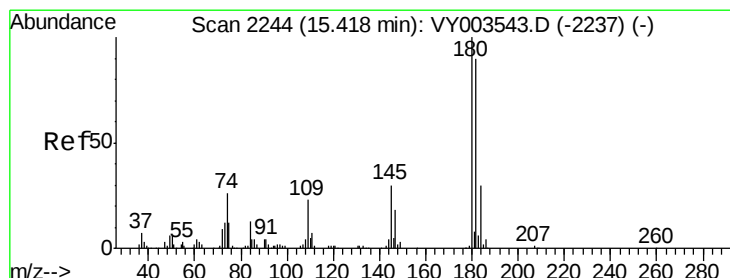
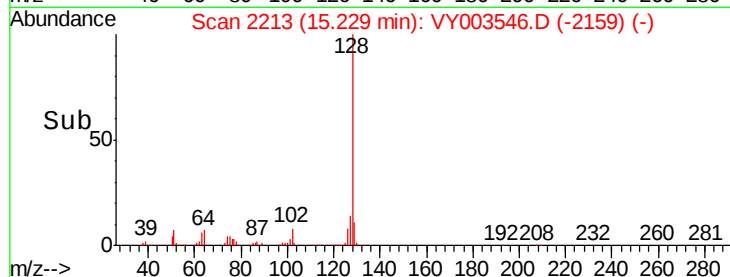
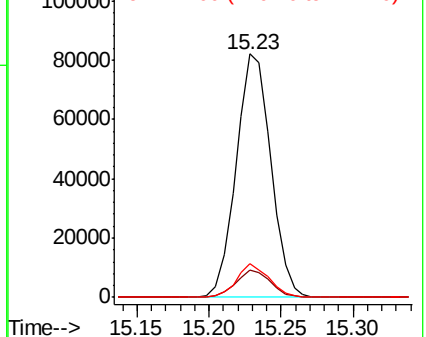
127 12.9 10.2 15.2



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: 23.993 ug/L

RT: 15.42 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VY003546.D

Acq: 19 Nov 2020 13:37

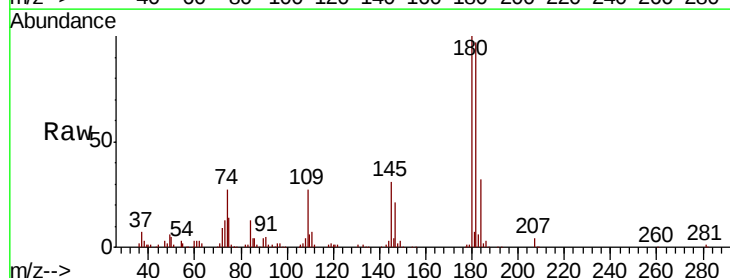
Tgt Ion:180 Resp: 58329

Ion Ratio Lower Upper

180 100

182 96.5 76.5 114.7

145 30.8 25.2 37.8



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

