

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111820\
 Data File : VY003533.D
 Acq On : 18 Nov 2020 17:24
 Operator : SY/MD
 Sample : VSTD2.581
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

Quant Time: Nov 19 03:04:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111820S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 19 03:03:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	231776	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	210052	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	98009	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	2601	1.29	ug/L	0.00
7) Chloroethane-d5	2.77	69	6561	3.30	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	16890	3.07	ug/L	0.00
20) 2-Butanone-d5	6.91	46	5684	4.62	ug/L	0.00
24) Chloroform-d	7.49	84	15625	2.84	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	8838	2.91	ug/L	0.00
29) Benzene-d6	8.11	84	32987	2.93	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	9375	2.76	ug/L	0.00
37) Toluene-d8	10.18	98	27195	2.64	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	4470	2.72	ug/L	0.00
39) 2-Hexanone-d5	10.78	63	4150	4.70	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	7264	2.50	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	7800	2.62	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.92	85	2601	1.773 ug/L #	77
3) Chloromethane	2.12	50	6888	2.642 ug/L	98
5) Vinyl chloride	2.26	62	2842	0.976 ug/L	97
6) Bromomethane	2.67	94	5807	2.633 ug/L	95
8) Chloroethane	2.81	64	4947	2.479 ug/L	89
9) Trichlorofluoromethane	3.13	101	7270	2.491 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	7594	2.617 ug/L #	84
12) 1,1-Dichloroethene	3.87	96	3911	1.255 ug/L #	78
13) Acetone	3.97	43	3426	4.150 ug/L	84
14) Carbon disulfide	4.20	76	25613	2.454 ug/L	99
15) Methyl Acetate	4.50	43	5991	2.767 ug/L #	62
16) Methylene chloride	4.73	84	18473	5.073 ug/L	98
17) Methyl tert-butyl Ether	5.22	73	12942	2.560 ug/L #	90
18) trans-1,2-Dichloroethene	5.23	96	9238	2.778 ug/L	92
19) 1,1-Dichloroethane	6.03	63	15412	2.701 ug/L	98
21) 2-Butanone	7.01	43	8930	6.150 ug/L	75
22) cis-1,2-Dichloroethene	6.99	96	9456	2.707 ug/L	94
23) Bromochloromethane	7.35	128	4719	2.761 ug/L	83
25) Chloroform	7.52	83	15076	2.715 ug/L	98
27) 1,2-Dichloroethane	8.24	62	10116	2.657 ug/L	99
30) Cyclohexane	7.79	56	11384	2.301 ug/L	94
31) 1,1,1-Trichloroethane	7.71	97	11256	2.567 ug/L	96
32) Carbon tetrachloride	7.91	117	10450	2.611 ug/L	100
34) Benzene	8.17	78	35600	2.696 ug/L	100
35) Trichloroethene	8.94	95	8926	2.743 ug/L	98
36) Methylcyclohexane	9.19	83	12445	2.604 ug/L	95
40) 1,2-Dichloropropane	9.22	63	8863	2.685 ug/L	99
41) Bromodichloromethane	9.50	83	11066	2.673 ug/L	95
42) cis-1,3-Dichloropropene	9.93	75	12885	2.480 ug/L	93
43) 4-Methyl-2-pentanone	10.08	43	14338	5.341 ug/L	98

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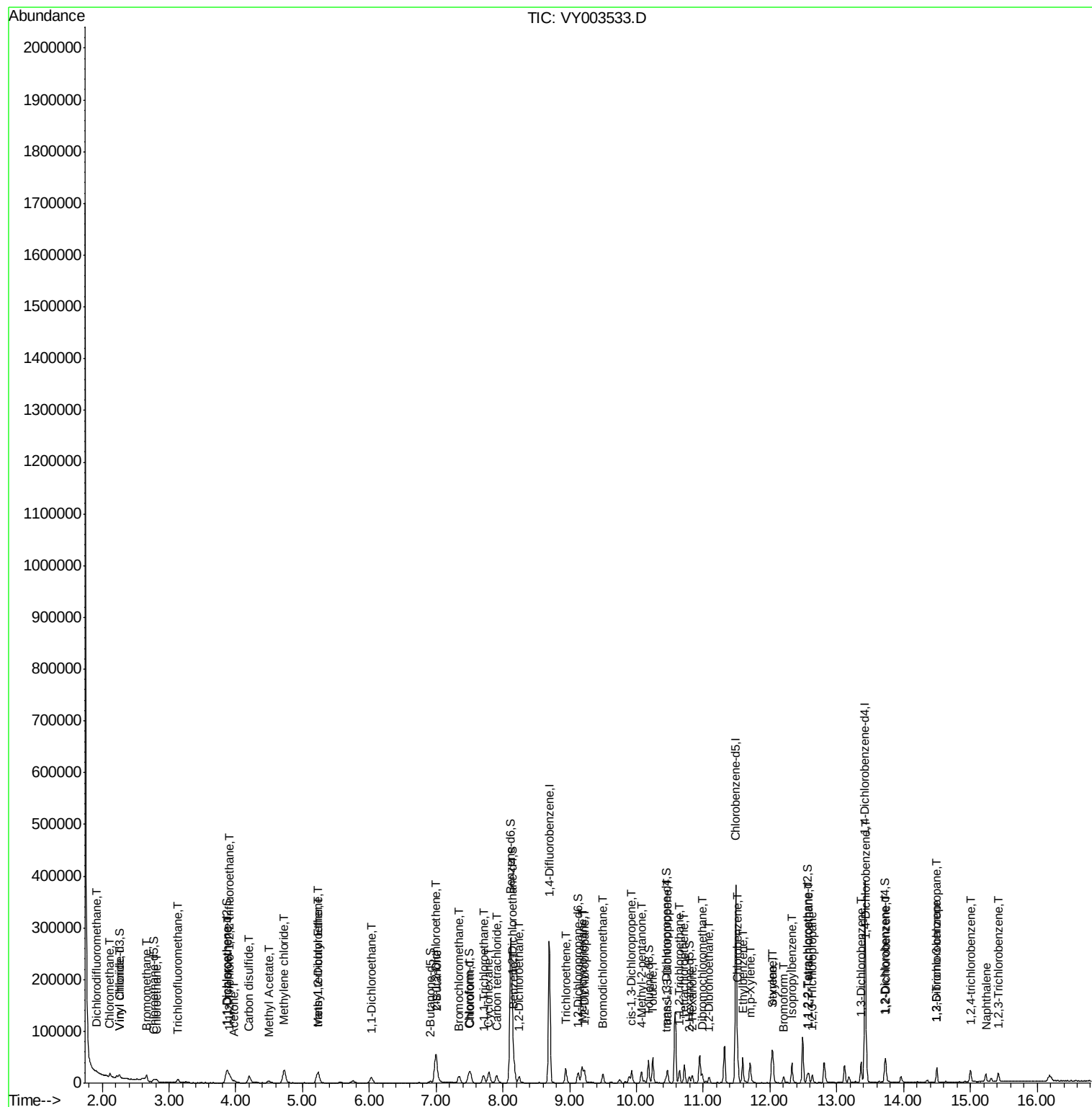
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.24	91	34903	2.539	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	11553	2.444	ug/L	97
46) 1,1,2-Trichloroethane	10.64	97	6931	2.618	ug/L	96
47) Tetrachloroethene	10.72	164	7802	2.818	ug/L	90
49) 2-Hexanone	10.83	43	9730	4.525	ug/L	99
50) Dibromochloromethane	10.99	129	7651	2.436	ug/L	87
51) 1,2-Dibromoethane	11.09	107	6821	2.620	ug/L	94
52) Chlorobenzene	11.52	112	22906	2.621	ug/L	97
53) Ethylbenzene	11.59	91	33881	2.417	ug/L	95
54) m,p-Xylene	11.70	106	13256	2.465	ug/L	97
55) o-xylene	12.03	106	11134	2.477	ug/L	99
56) Styrene	12.05	104	20389	2.236	ug/L	99
57) Isopropylbenzene	12.33	105	24192	2.447	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	7307	2.443	ug/L	96
59) 1,2,3-Trichloropropane	12.63	75	5736	2.547	ug/L	92
62) Bromoform	12.20	173	5246	2.676	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	16059	2.697	ug/L	96
64) 1,4-Dichlorobenzene	13.44	146	17296	2.846	ug/L	97
65) 1,2-Dichlorobenzene	13.73	146	13104	2.657	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.50	75	1298	3.311	ug/L #	1
67) 1,3,5-Trichlorobenzene	14.50	180	8376	2.689	ug/L	100
68) 1,2,4-trichlorobenzene	15.00	180	6817	2.526	ug/L	99
69) Naphthalene	15.23	128	11536	2.353	ug/L	97
70) 1,2,3-Trichlorobenzene	15.42	180	5516	2.670	ug/L	99

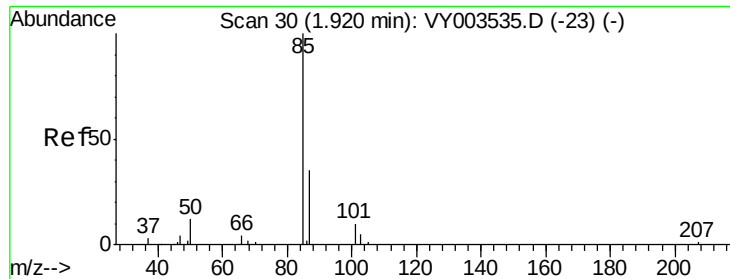
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.773 ug/L

RT: 1.92 min Scan# 30

Delta R.T. 0.00 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

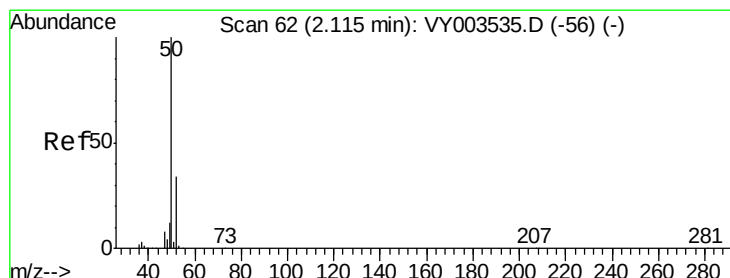
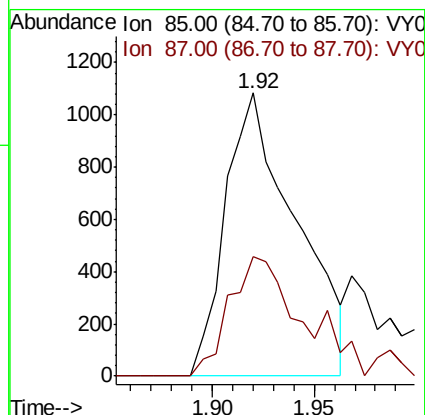
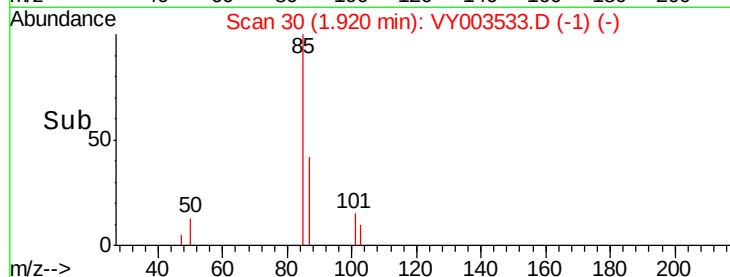
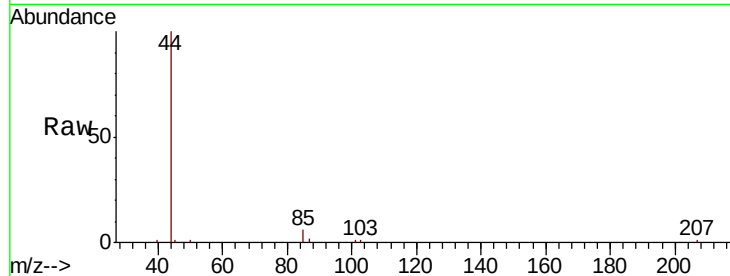
BFB

Tot Ion: 85 Resp: 2601

Ion Ratio Lower Upper

85 100

87 36.8 17.7 32.9#



#3

Chloromethane

Concen: 2.642 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003533.D

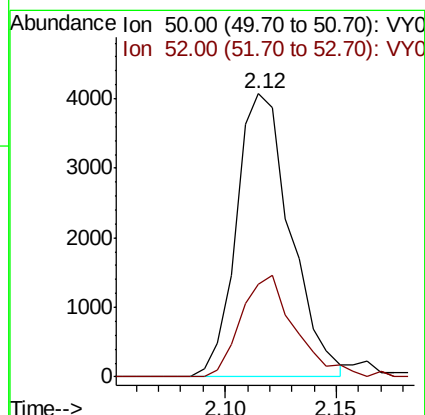
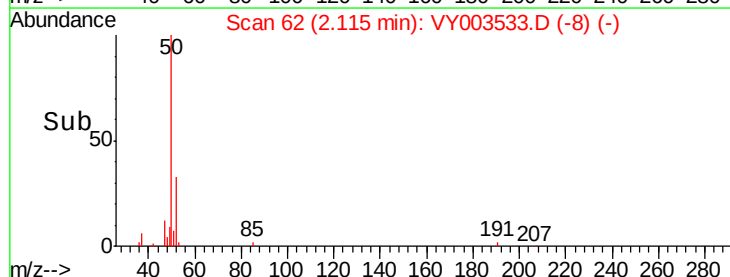
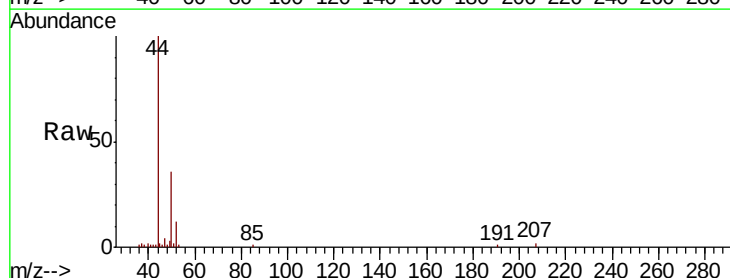
Acq: 18 Nov 2020 17:24

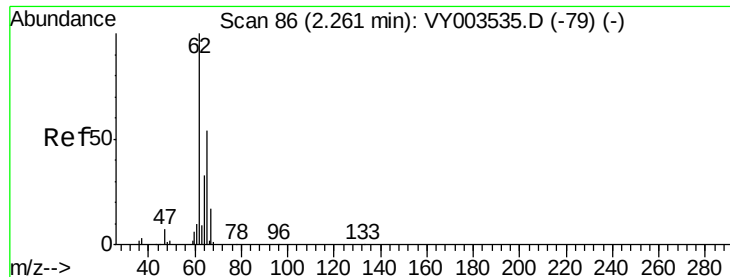
Tgt Ion: 50 Resp: 6888

Ion Ratio Lower Upper

50 100

52 32.7 23.7 43.9





#5

Vinyl chloride

Concen: 0.976 ug/L

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

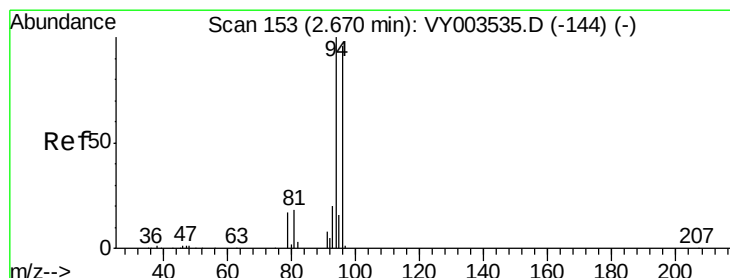
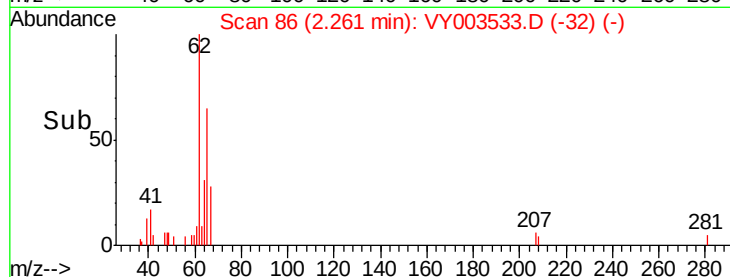
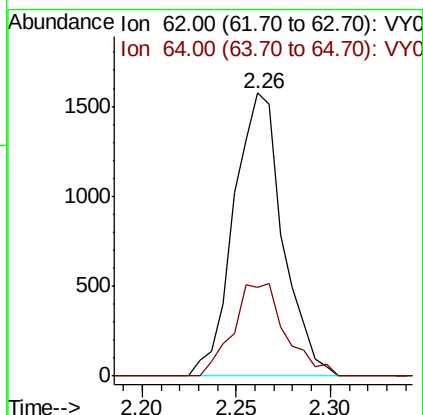
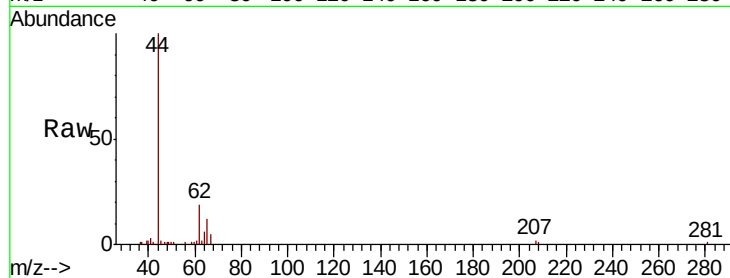
BFB

Tot Ion: 62 Resp: 2842

Ion Ratio Lower Upper

62 100

64 31.4 23.0 42.8



#6

Bromomethane

Concen: 2.633 ug/L

RT: 2.67 min Scan# 153

Delta R.T. 0.00 min

Lab File: VY003533.D

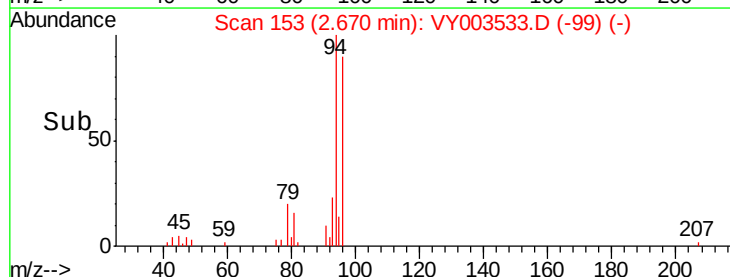
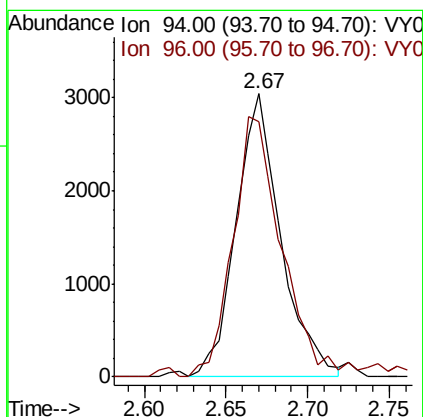
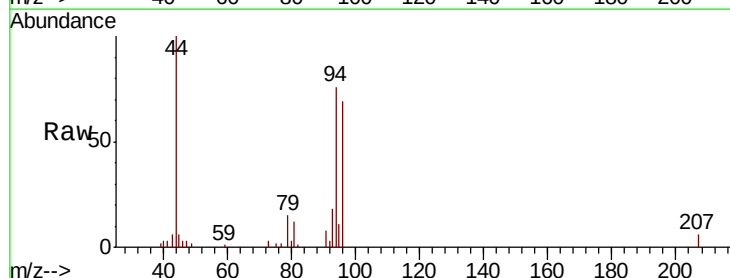
Acq: 18 Nov 2020 17:24

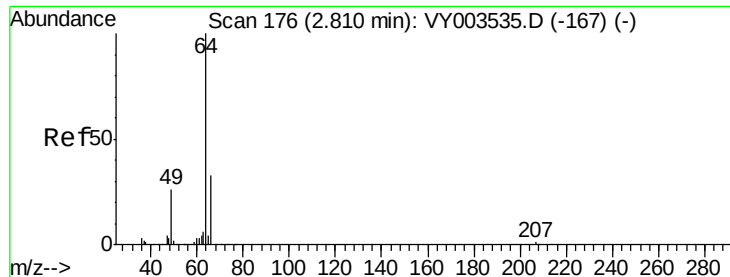
Tgt Ion: 94 Resp: 5807

Ion Ratio Lower Upper

94 100

96 99.0 9.4 179.4

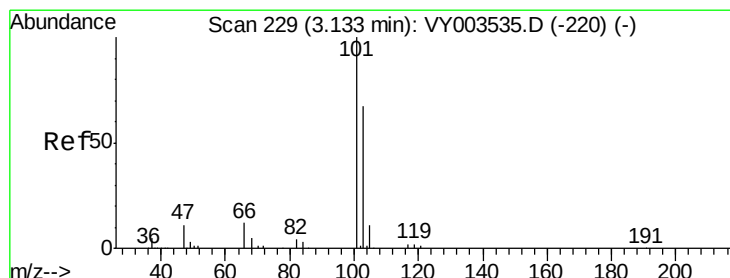
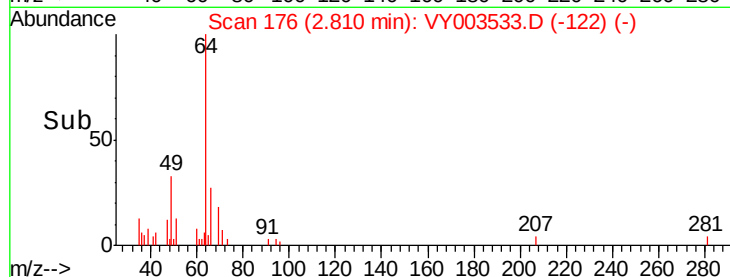
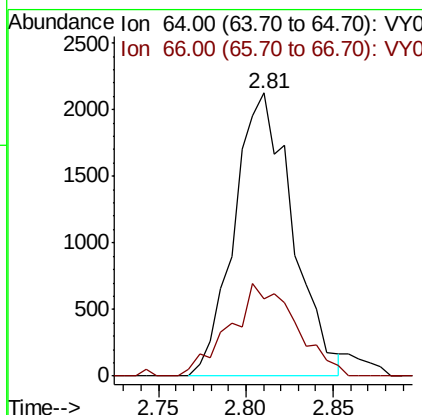
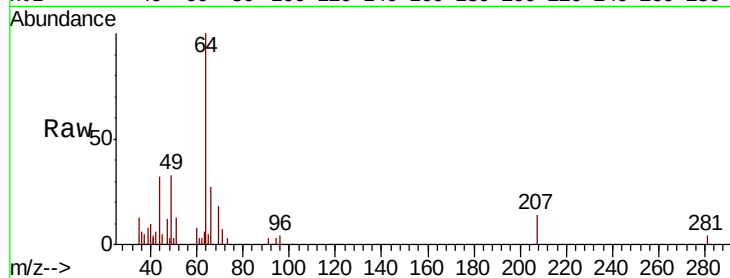




#8
Chloroethane
Concen: 2.479 ug/L
RT: 2.81 min Scan# 176
Delta R.T. 0.00 min
Lab File: VY003533.D
Acq: 18 Nov 2020 17:24

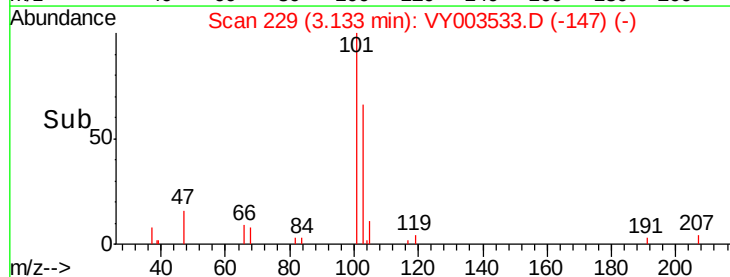
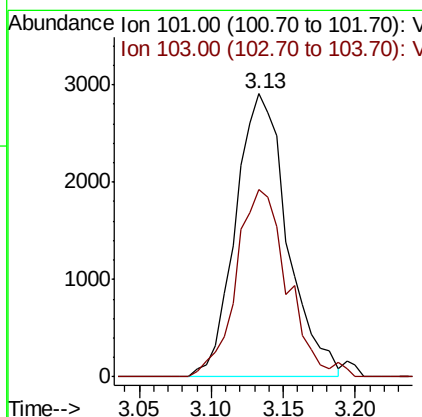
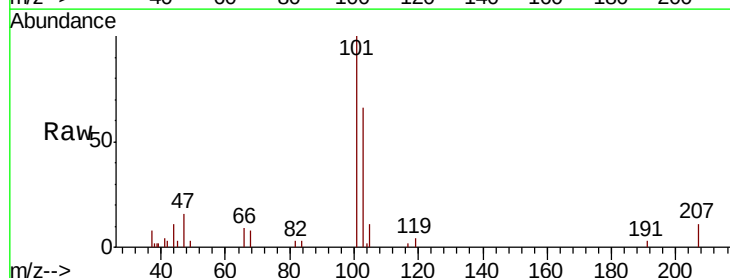
Instrument :
MSVOA_Y
ClientSampleId :
BFB

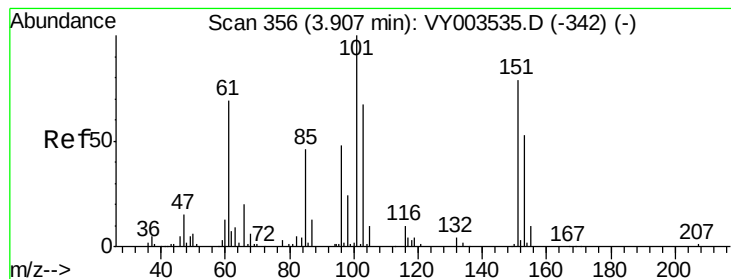
Tot Ion: 64 Resp: 4947
Ion Ratio Lower Upper
64 100
66 27.4 23.4 43.4



#9
Trichlorofluoromethane
Concen: 2.491 ug/L
RT: 3.13 min Scan# 229
Delta R.T. 0.00 min
Lab File: VY003533.D
Acq: 18 Nov 2020 17:24

Tgt Ion: 101 Resp: 7270
Ion Ratio Lower Upper
101 100
103 64.7 46.5 86.3





#11

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

Concen: 2.617 ug/L

RT: 3.91 min Scan# 357

Delta R.T. 0.01 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

Instrument :

MSVOA_Y

ClientSampled :

BFB

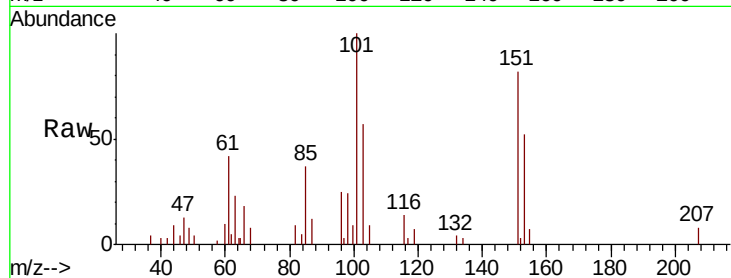
Tot Ion:101 Resp: 7594

Ion Ratio Lower Upper

101 100

85 22.1 35.9 53.9#

151 76.9 65.2 97.8

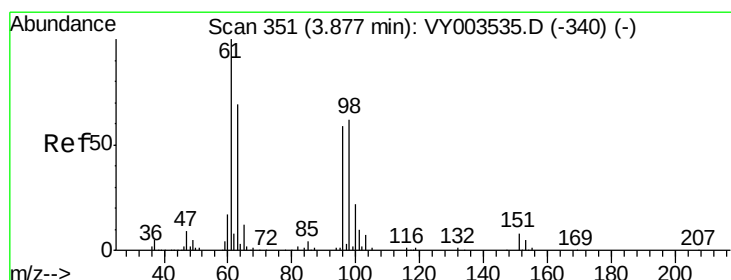
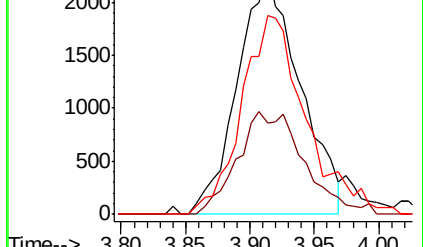
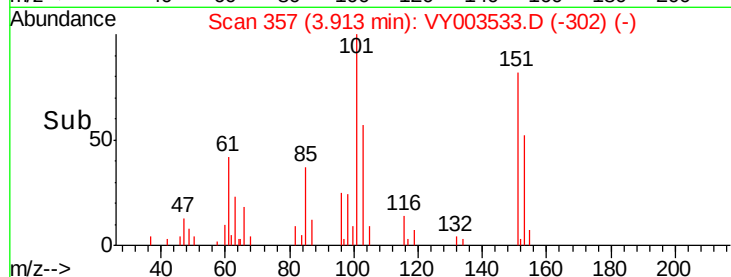


Abundance Ion 101.00 (100.70 to 101.70): VY003533.D (-302) (-)

Ion 85.00 (84.70 to 85.70): VY003533.D (-302) (-)

Ion 151.00 (150.70 to 151.70): VY003533.D (-302) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 1.255 ug/L

RT: 3.87 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

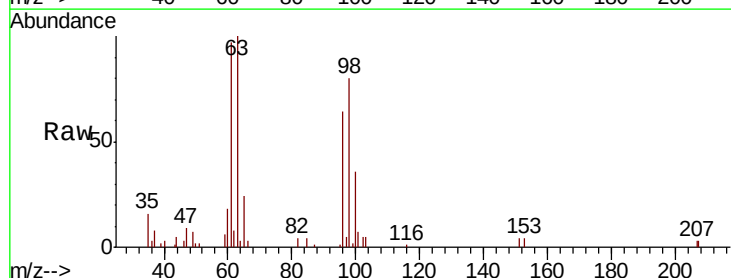
Tgt Ion: 96 Resp: 3911

Ion Ratio Lower Upper

96 100

61 151.7 119.3 221.5

63 156.1 83.6 155.2#

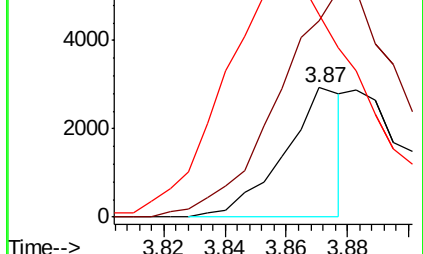
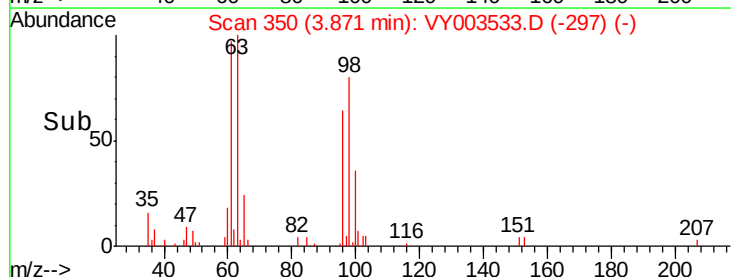


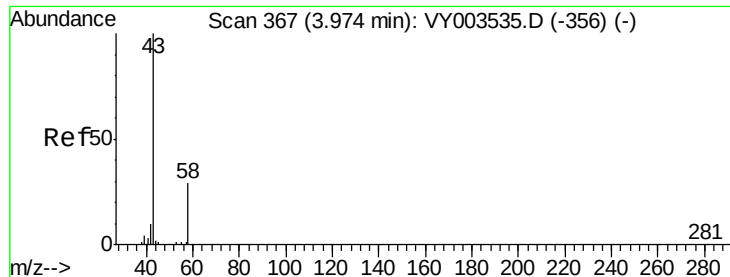
Abundance Ion 96.00 (95.70 to 96.70): VY003533.D (-297) (-)

Ion 61.00 (60.70 to 61.70): VY003533.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VY003533.D (-297) (-)

Time-->





#13

Acetone

Concen: 4.150 ug/L

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY003533.D

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Instrument :

MSVOA_Y

ClientSampled :

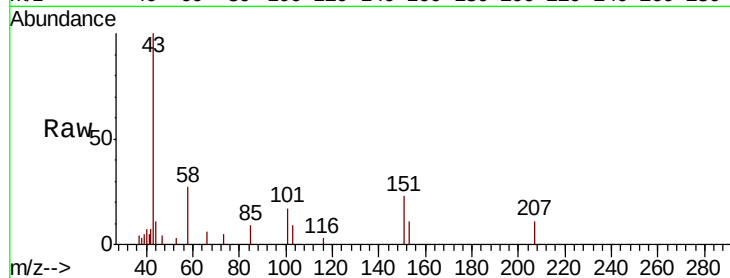
BFB

Tot Ion: 43 Resp: 3426

Ion Ratio Lower Upper

43 100

58 22.5 0.0 62.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.97

1500

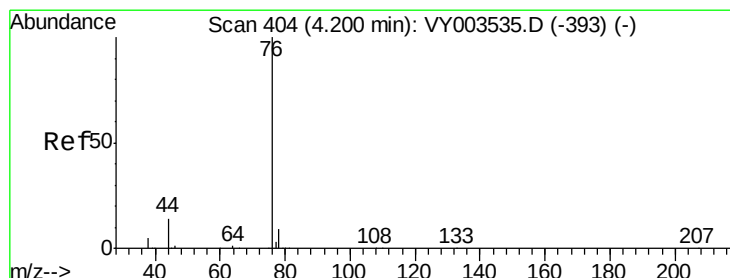
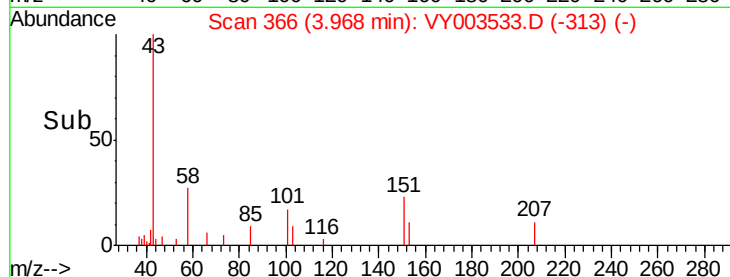
1000

500

0

Time-->

3.90 3.95 4.00



#14

Carbon disulfide

Concen: 2.454 ug/L

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY003533.D

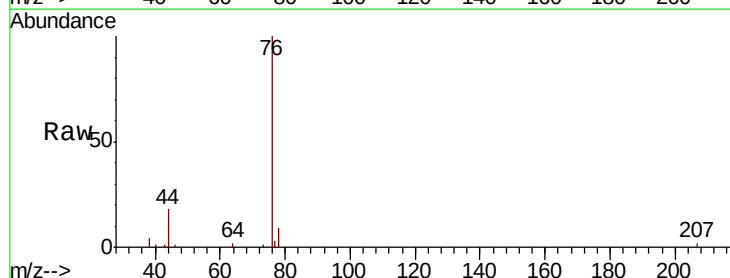
Acq: 18 Nov 2020 17:24

Tgt Ion: 76 Resp: 25613

Ion Ratio Lower Upper

76 100

78 8.7 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

4.20

10000

8000

6000

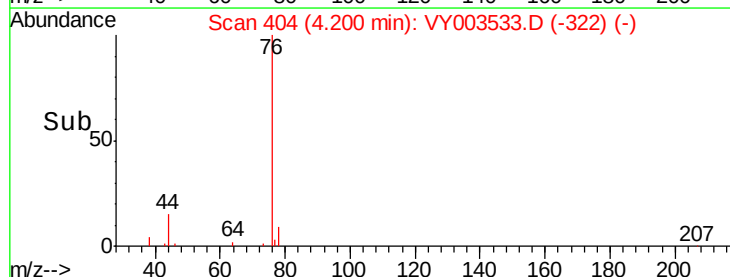
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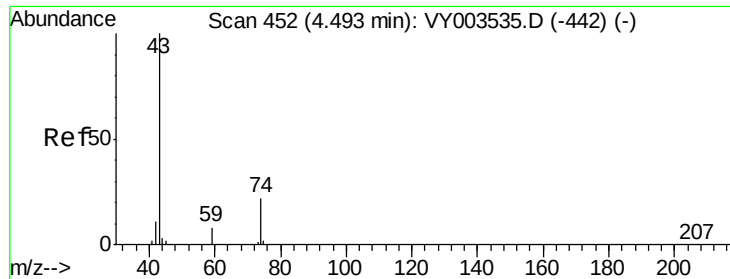
2000

0

Time-->

4.10 4.15 4.20 4.25 4.30

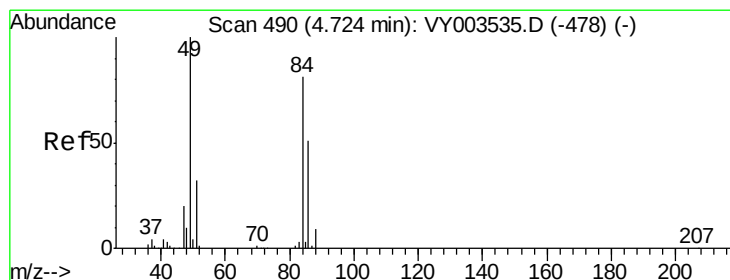
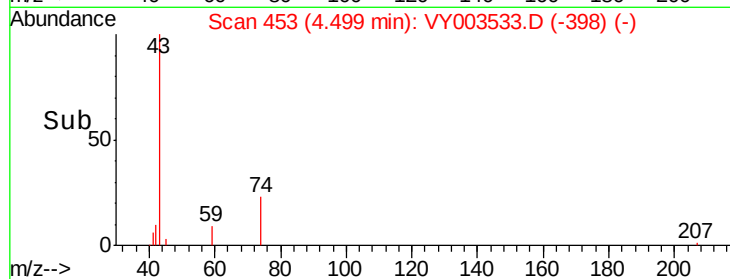
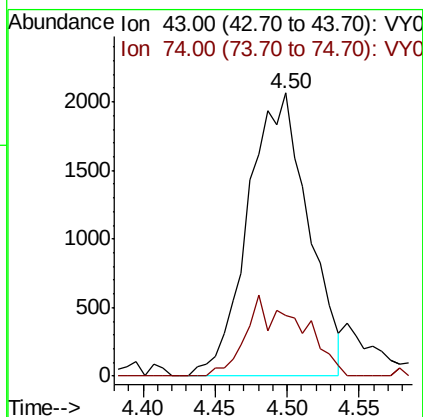
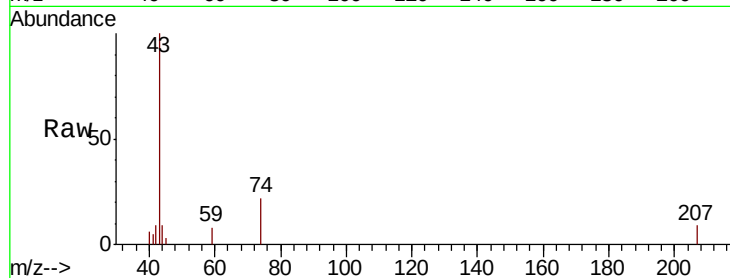




#15
Methyl Acetate
Concen: 2.767 ug/L
RT: 4.50 min Scan# 453
Delta R.T. 0.01 min
Lab File: VY003533.D
Acq: 18 Nov 2020 17:24

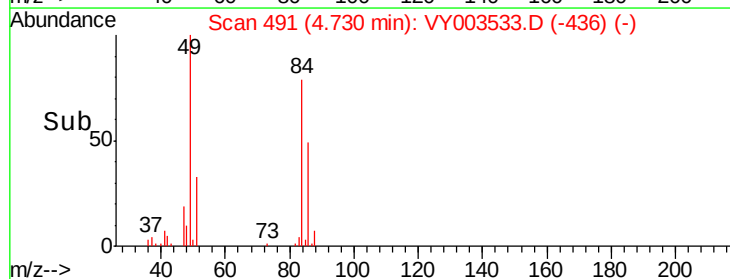
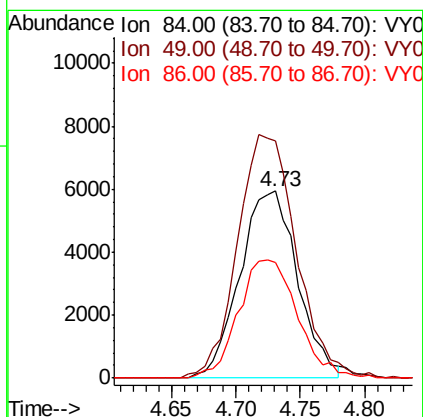
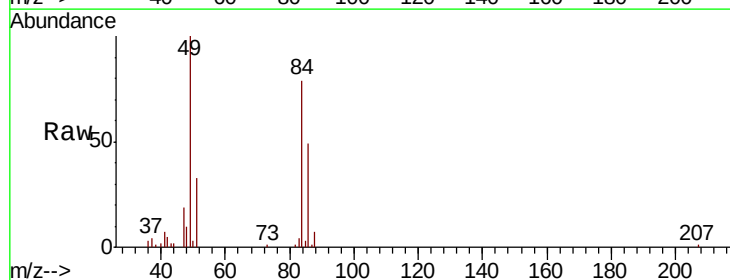
Instrument :
MSVOA_Y
ClientSampleId :
BFB

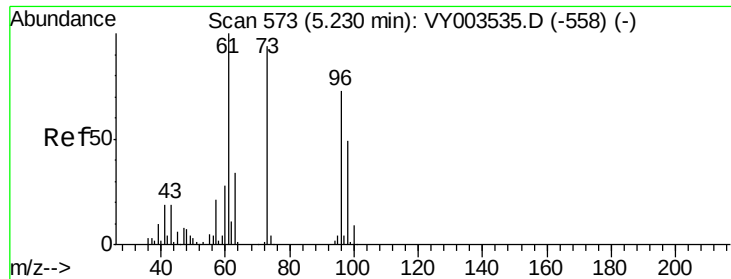
Tot Ion: 43 Resp: 5991
Ion Ratio Lower Upper
43 100
74 4.0 17.5 26.3#



#16
Methylene chloride
Concen: 5.073 ug/L
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003533.D
Acq: 18 Nov 2020 17:24

Tgt Ion: 84 Resp: 18473
Ion Ratio Lower Upper
84 100
49 126.6 87.1 161.7
86 61.8 44.7 83.1

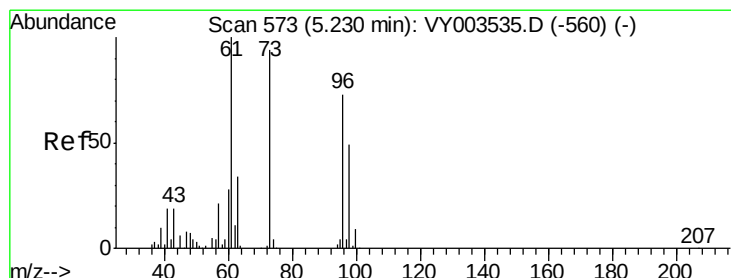
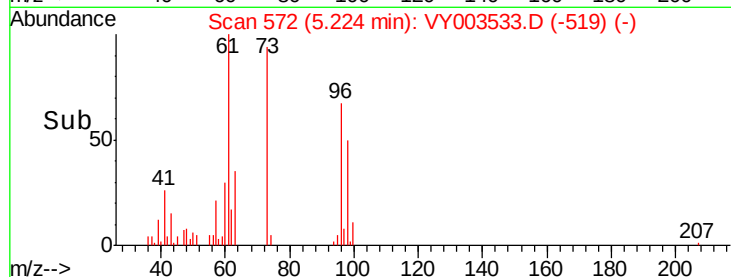
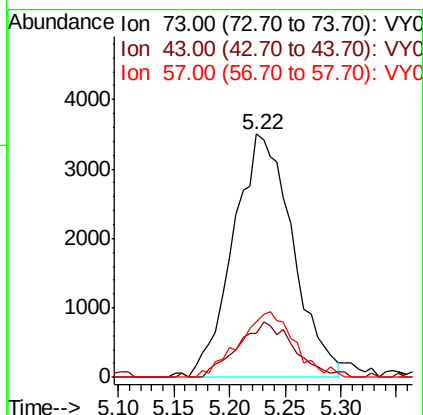
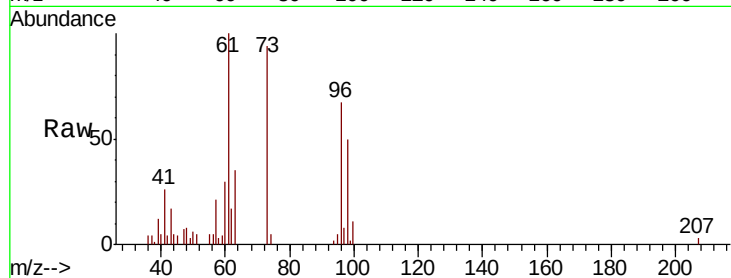




#17
Methyl tert-butyl Ether
Concen: 2.560 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003533.D
Acq: 18 Nov 2020 17:24

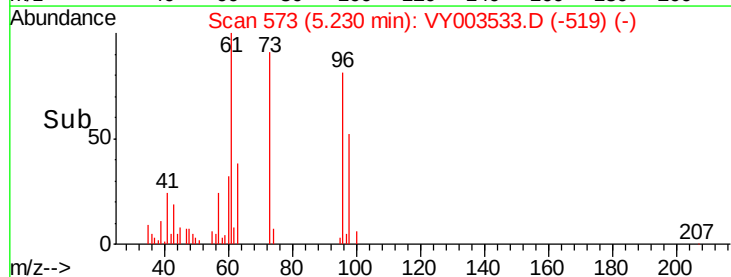
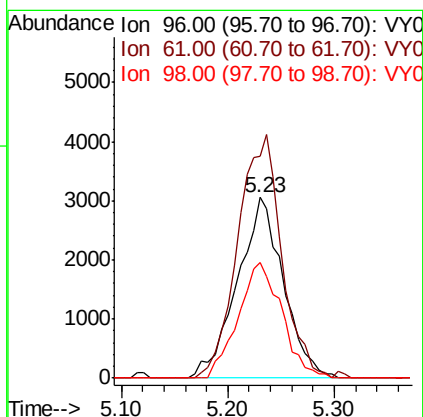
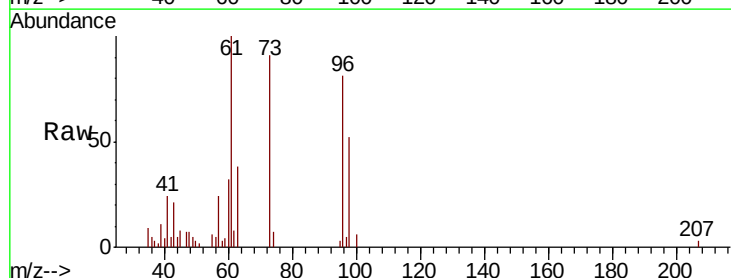
Instrument :
MSVOA_Y
ClientSampleId :
BFB

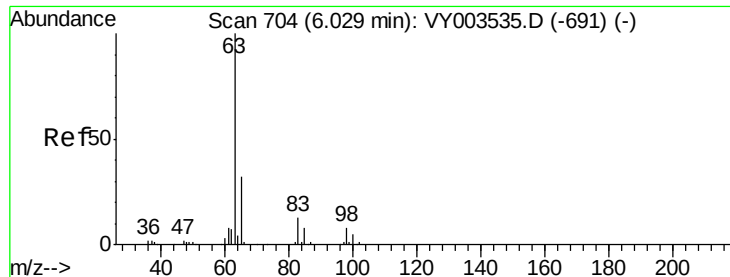
Tot Ion: 73 Resp: 12942
Ion Ratio Lower Upper
73 100
43 12.0 16.0 24.0#
57 24.6 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 2.778 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY003533.D
Acq: 18 Nov 2020 17:24

Tgt Ion: 96 Resp: 9238
Ion Ratio Lower Upper
96 100
61 123.0 95.5 177.3
98 64.2 46.4 86.2





#19

1,1-Dichloroethane

Concen: 2.701 ug/L

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

Instrument :

MSVOA_Y

ClientSampled :

BFB

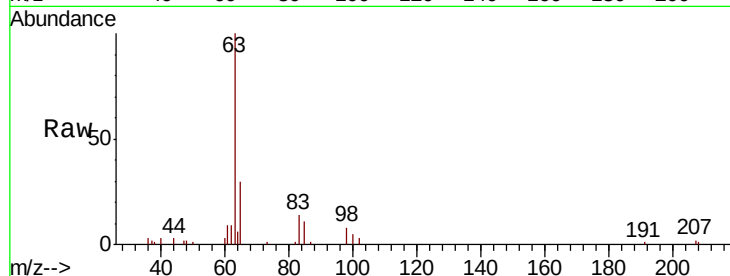
Tot Ion: 63 Resp: 15412

Ion Ratio Lower Upper

63 100

65 30.5 22.1 41.1

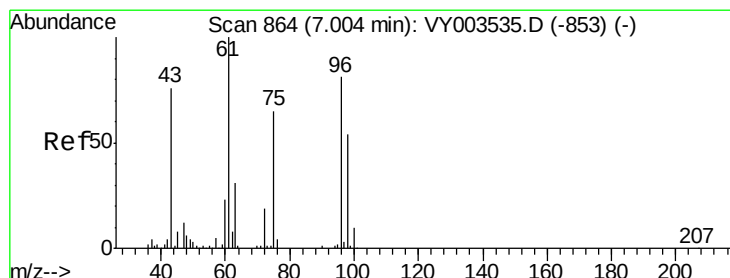
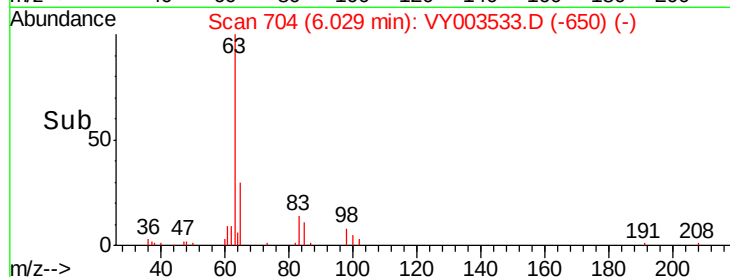
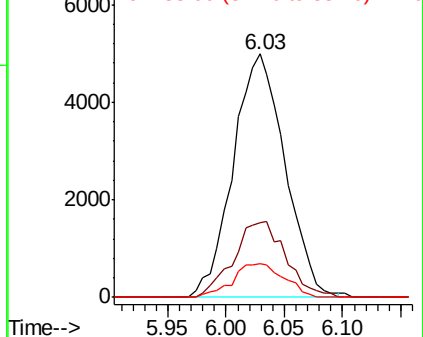
83 13.9 9.4 17.6



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: 6.150 ug/L

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY003533.D

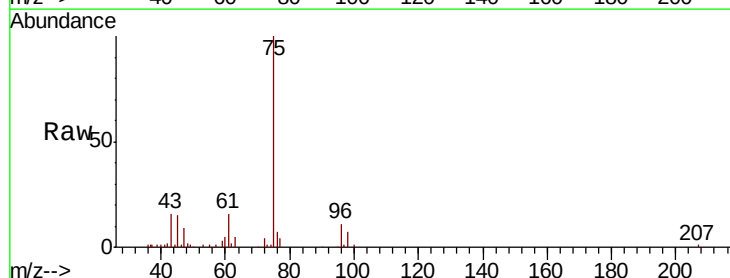
Acq: 18 Nov 2020 17:24

Tgt Ion: 43 Resp: 8930

Ion Ratio Lower Upper

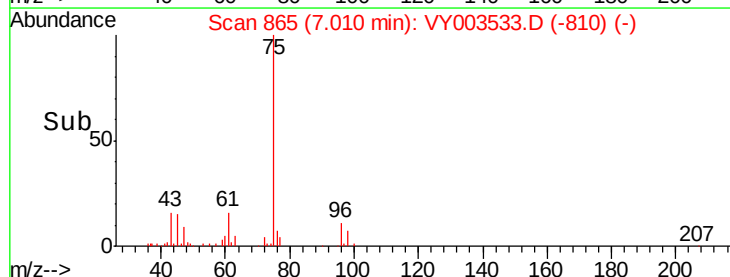
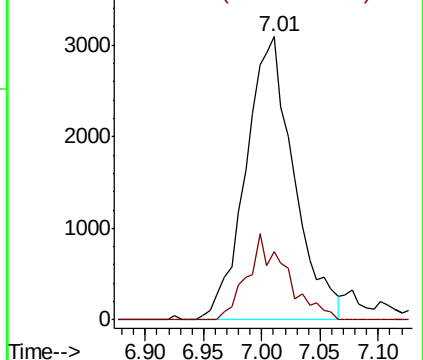
43 100

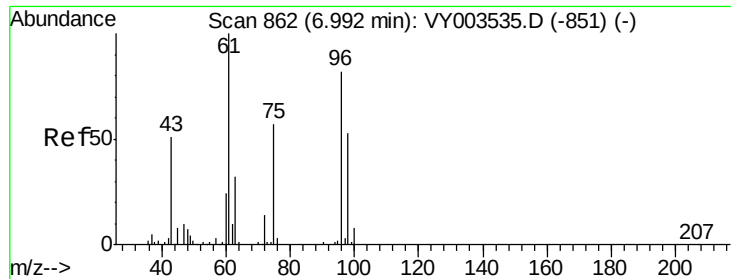
72 12.8 12.6 37.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



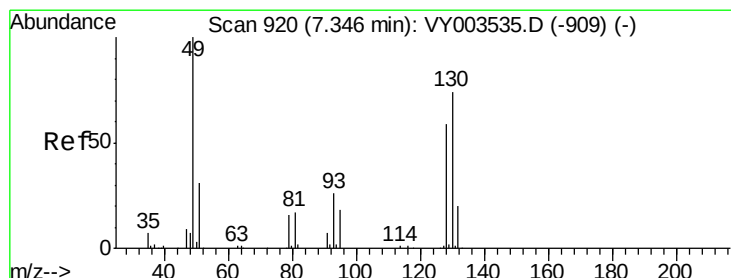
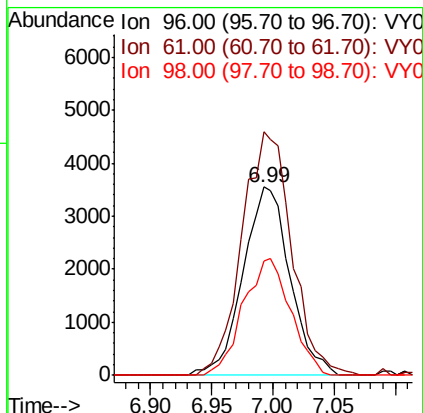
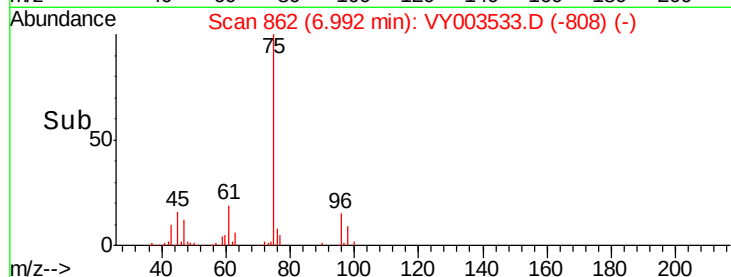
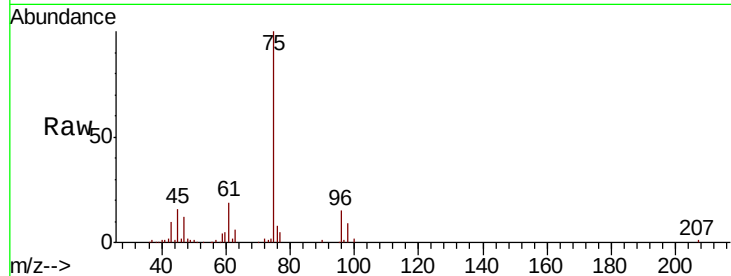


#22

cis-1,2-Dichloroethene
Concen: 2.707 ug/L
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003533.D
Acq: 18 Nov 2020 17:24

Instrument :
MSVOA_Y
ClientSampled :
BFB

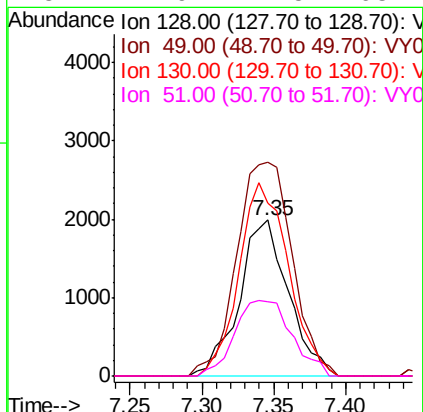
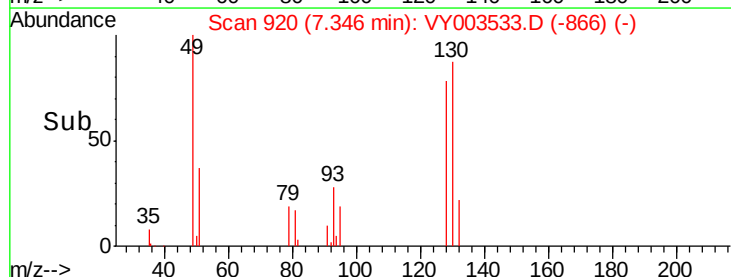
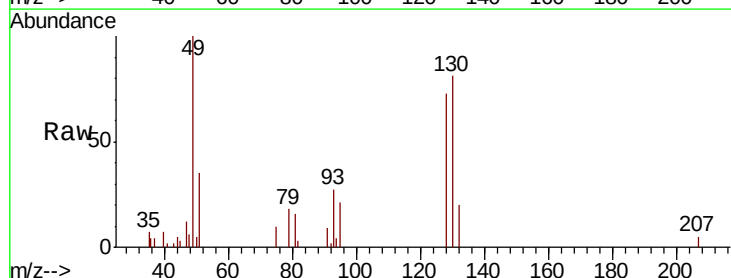
Tot Ion	Ratio	Lower	Upper
96	100		
61	129.4	85.3	158.3
98	60.9	44.9	83.3

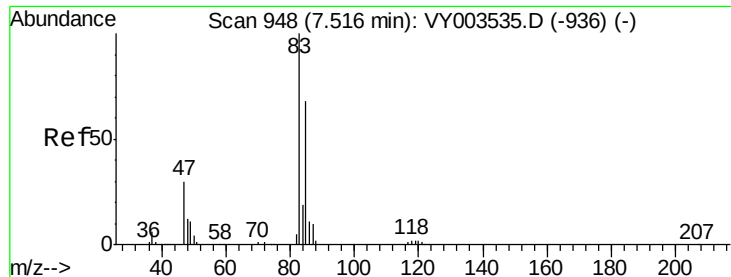


#23

Bromochloromethane
Concen: 2.761 ug/L
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY003533.D
Acq: 18 Nov 2020 17:24

Tgt Ion	Ratio	Lower	Upper
128	100		
49	137.3	118.8	220.6
130	111.4	87.8	163.0
51	47.9	42.5	63.7





#25

Chloroform

Concen: 2.715 ug/L

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

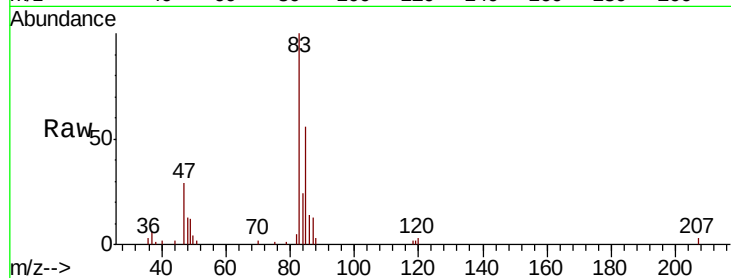
BFB

Tot Ion: 83 Resp: 15076

Ion Ratio Lower Upper

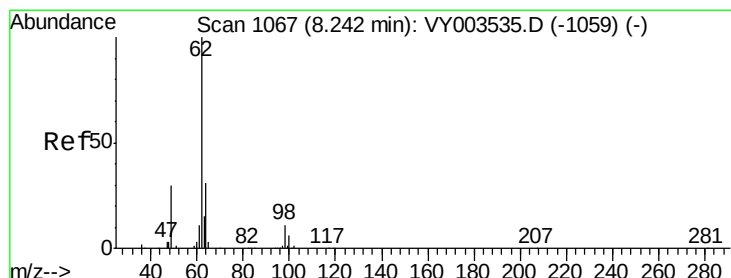
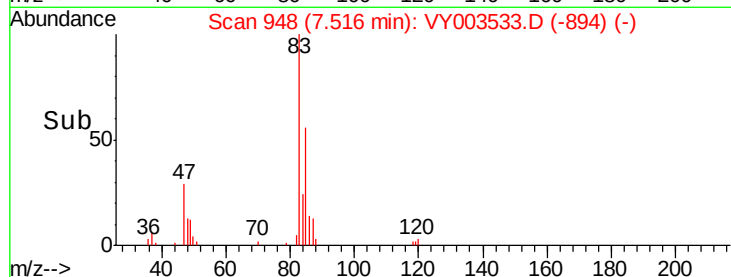
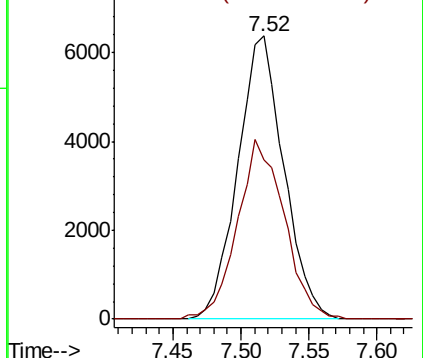
83 100

85 64.6 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 2.657 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY003533.D

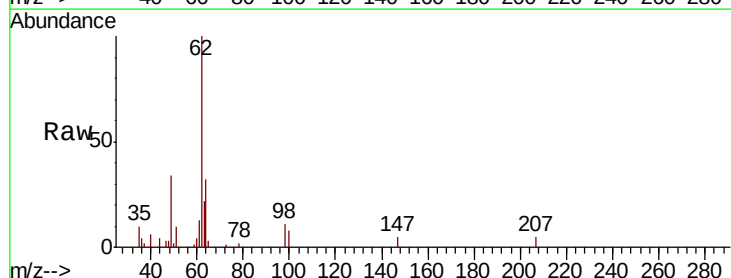
Acq: 18 Nov 2020 17:24

Tgt Ion: 62 Resp: 10116

Ion Ratio Lower Upper

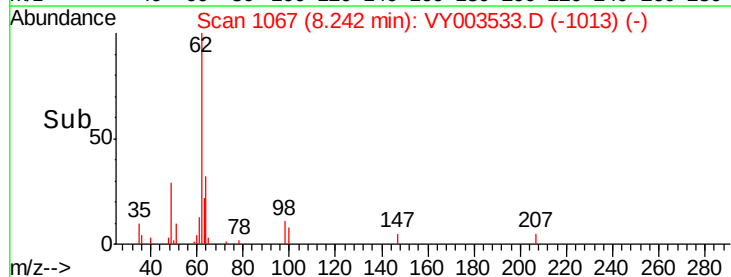
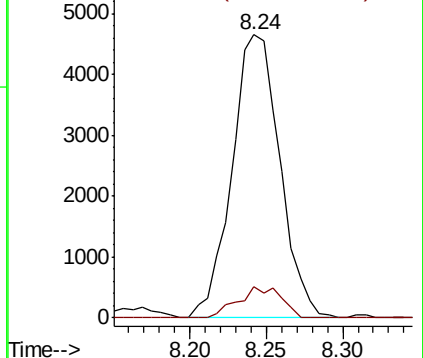
62 100

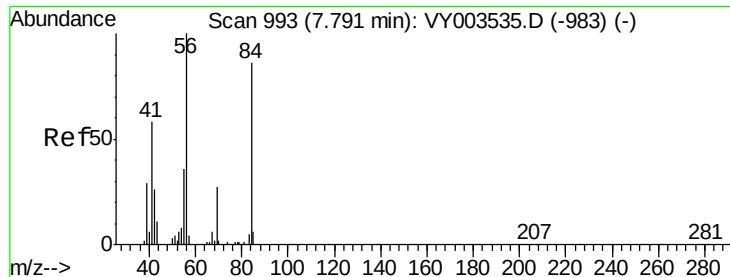
98 10.8 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

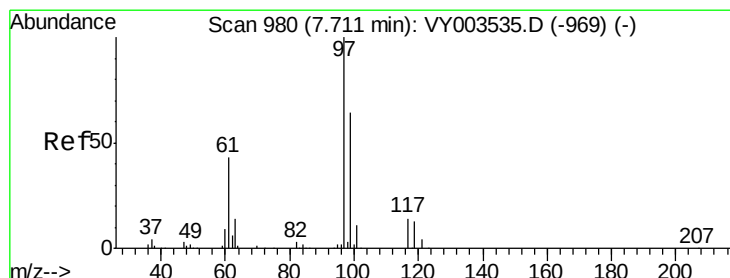
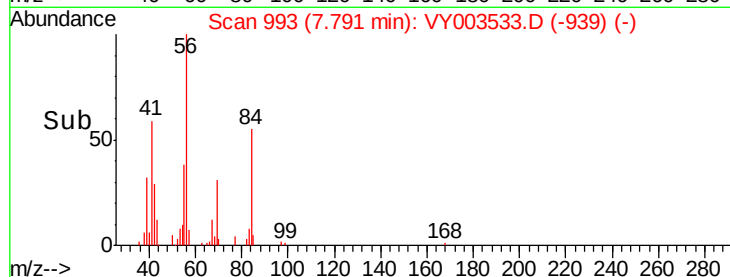
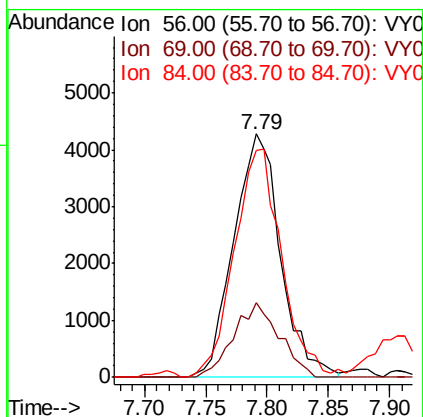
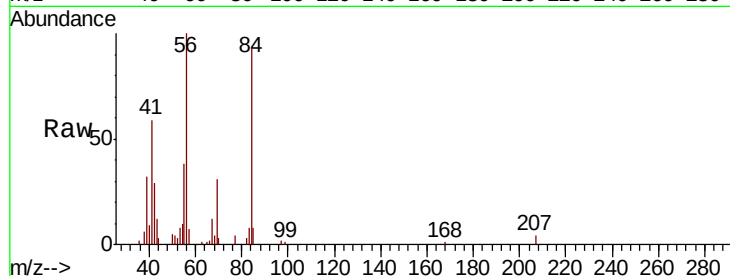




#30
Cyclohexane
Concen: 2.301 ug/L
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY003533.D
Acq: 18 Nov 2020 17:24

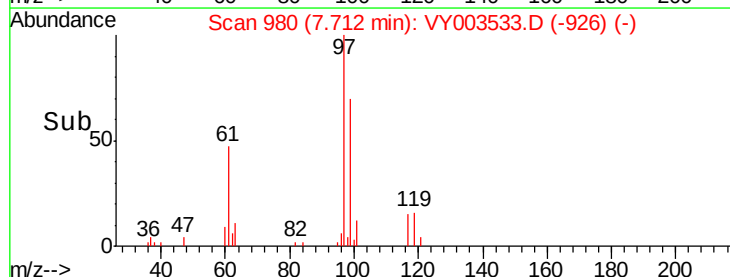
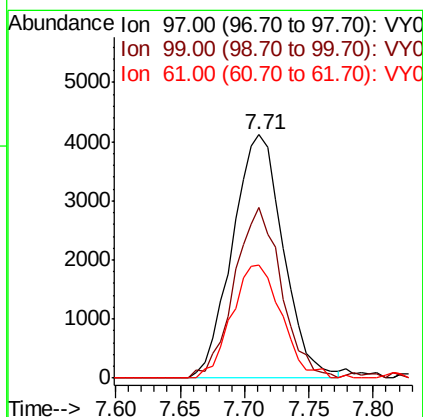
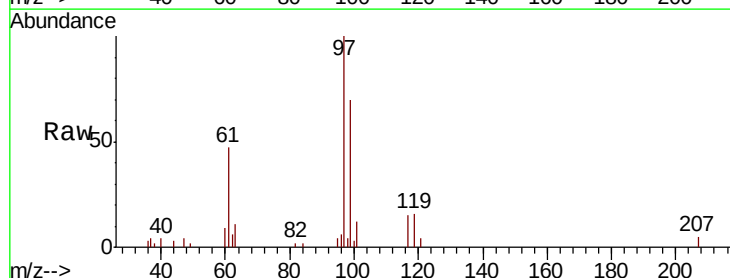
Instrument :
MSVOA_Y
ClientSampled :
BFB

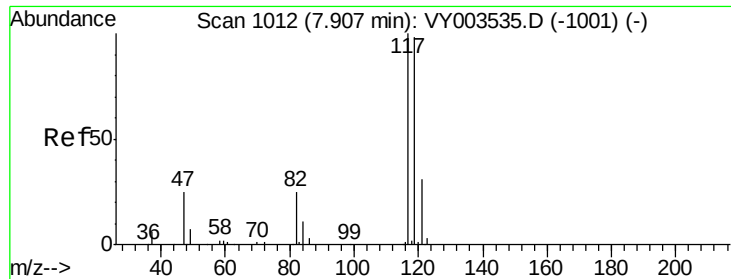
Tot Ion: 56 Resp: 11384
Ion Ratio Lower Upper
56 100
69 30.0 22.9 34.3
84 94.4 69.8 104.8



#31
1,1,1-Trichloroethane
Concen: 2.567 ug/L
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY003533.D
Acq: 18 Nov 2020 17:24

Tgt Ion: 97 Resp: 11256
Ion Ratio Lower Upper
97 100
99 64.7 49.5 74.3
61 44.9 33.8 50.6





#32

Carbon tetrachloride

Concen: 2.611 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

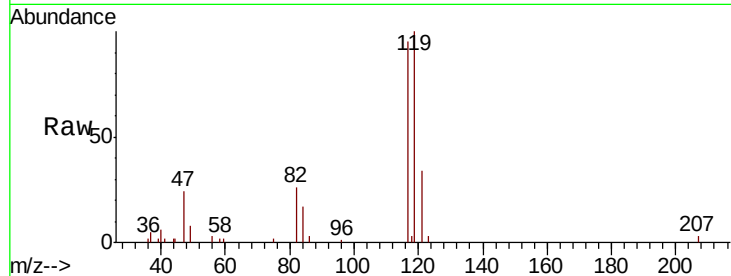
BFB

Tot Ion:117 Resp: 10450

Ion Ratio Lower Upper

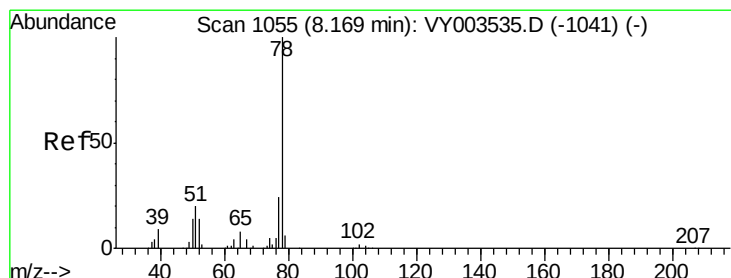
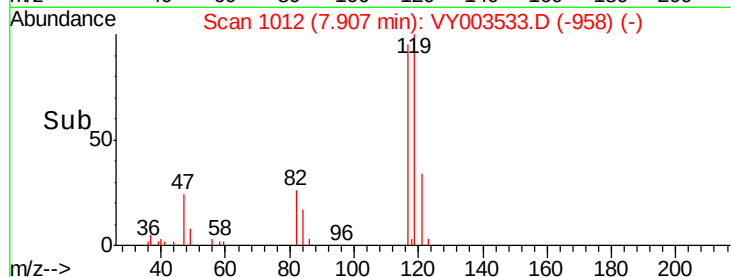
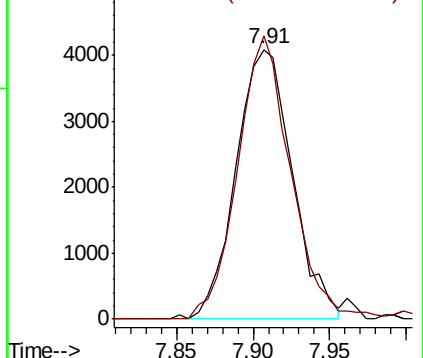
117 100

119 98.1 78.1 117.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.696 ug/L

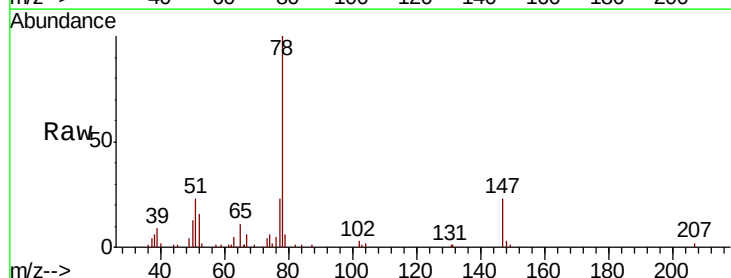
RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

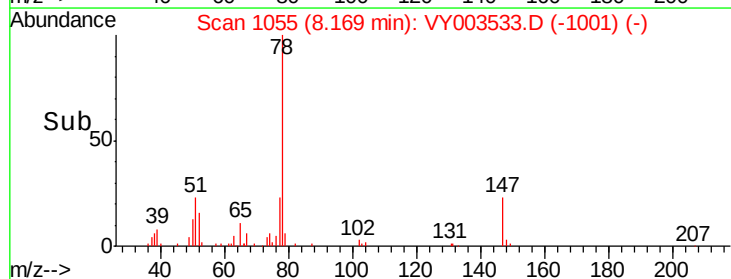
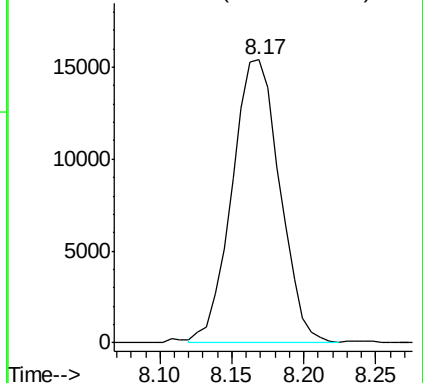
Lab File: VY003533.D

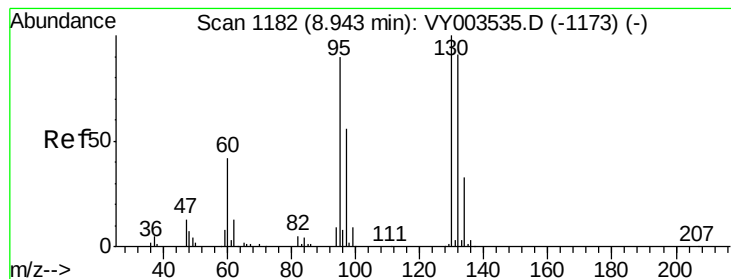
Acq: 18 Nov 2020 17:24

Tgt Ion: 78 Resp: 35600



Abundance Ion 78.00 (77.70 to 78.70): VY0





#35

Trichloroethene

Concen: 2.743 ug/L

RT: 8.94 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

BFB

Tot Ion: 95 Resp: 8926

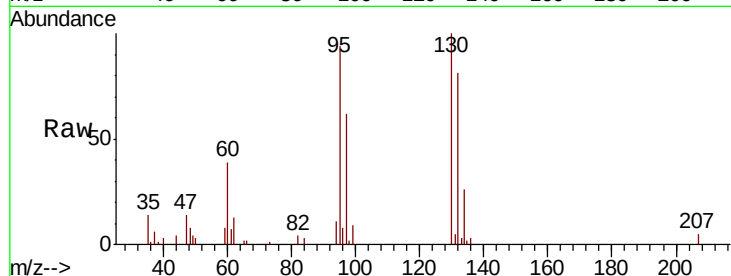
Ion Ratio Lower Upper

95 100

97 61.5 44.8 83.2

132 100.7 72.2 134.0

130 107.2 76.6 142.2

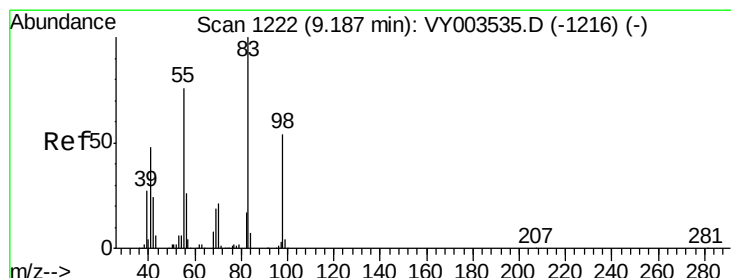
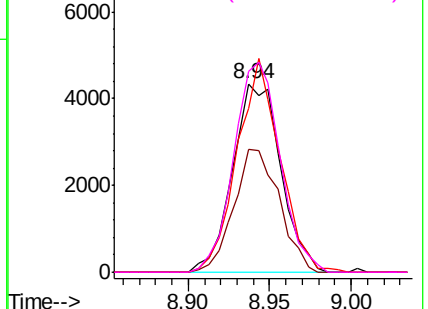
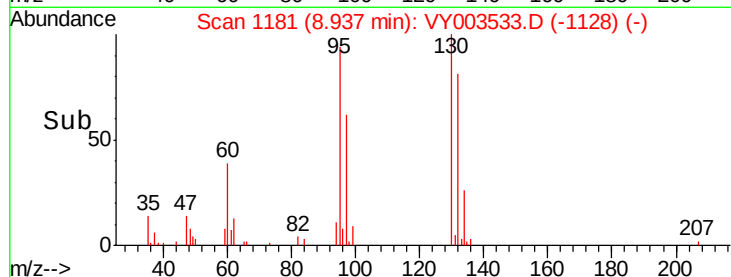


Abundance Ion 95.00 (94.70 to 95.70): VY0

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: 2.604 ug/L

RT: 9.19 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

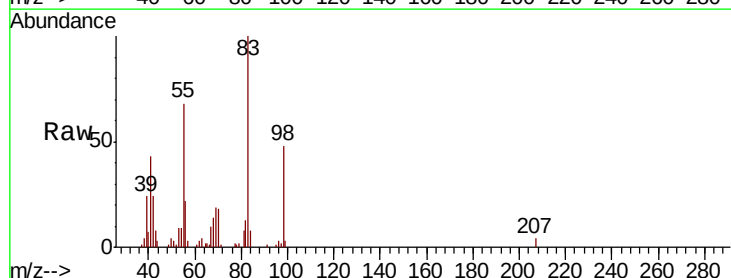
Tgt Ion: 83 Resp: 12445

Ion Ratio Lower Upper

83 100

55 75.2 63.4 95.0

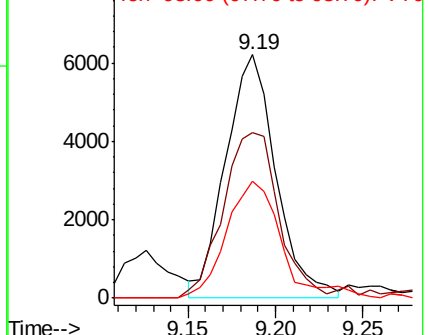
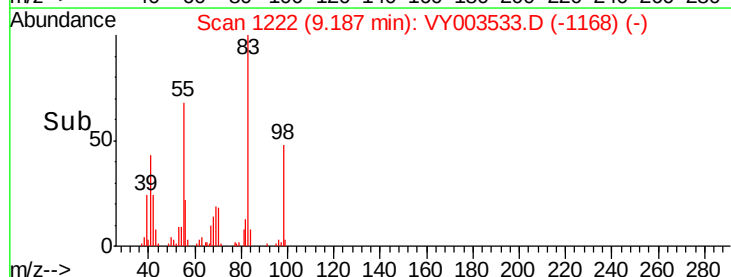
98 50.7 43.3 64.9

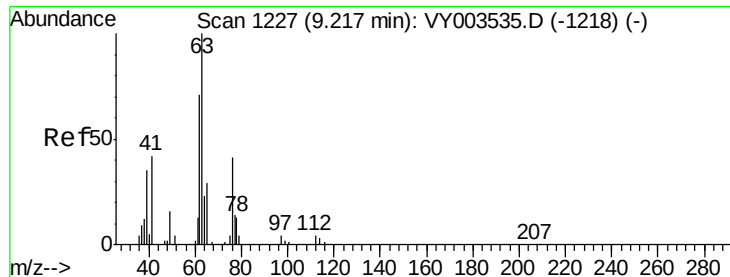


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#40

1,2-Dichloropropane

Concen: 2.685 ug/L

RT: 9.22 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

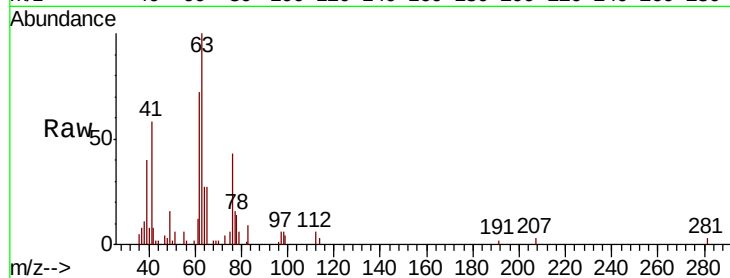
BFB

Tot Ion: 63 Resp: 8863

Ion Ratio Lower Upper

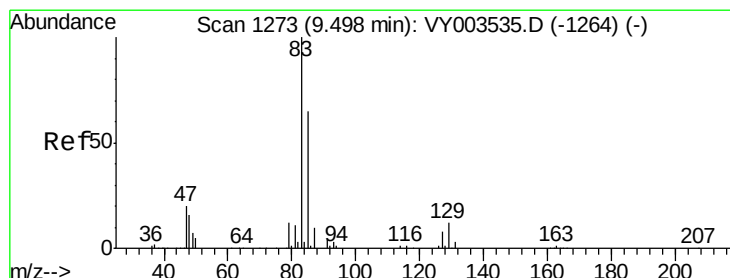
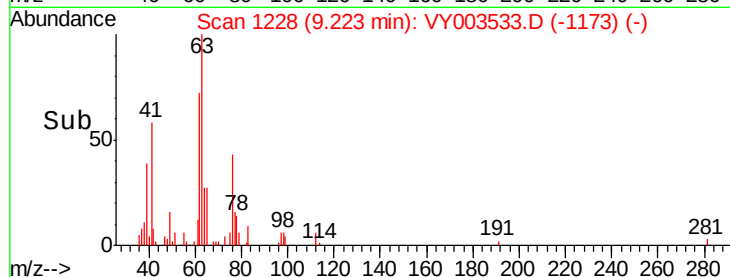
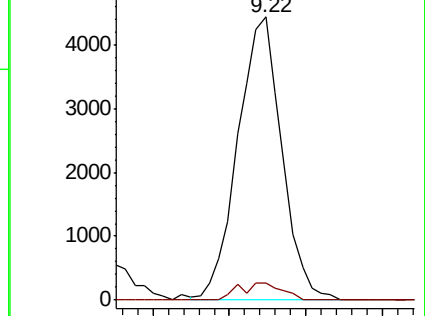
63 100

112 4.1 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VY0

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 2.673 ug/L

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

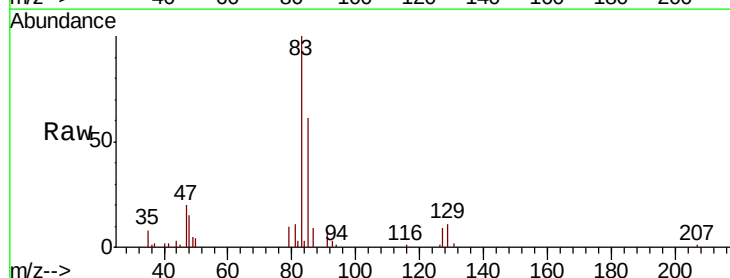
Tgt Ion: 83 Resp: 11066

Ion Ratio Lower Upper

83 100

85 60.9 45.6 84.6

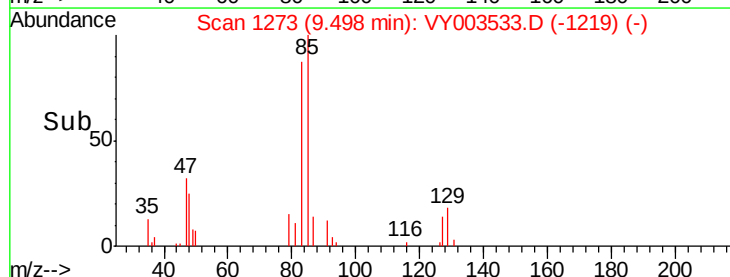
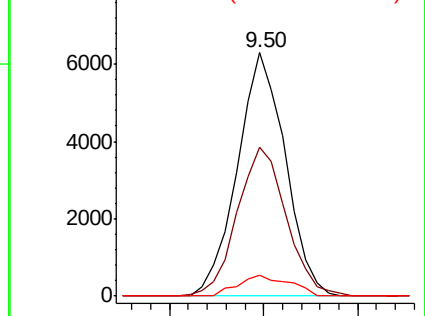
127 8.8 6.4 9.6

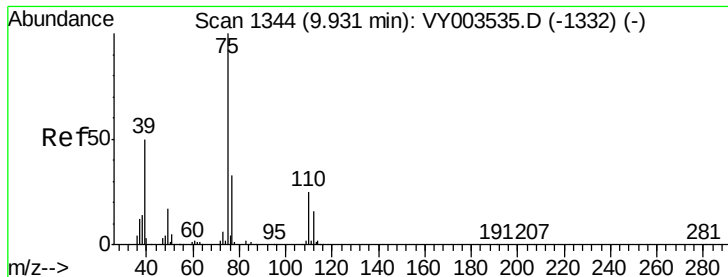


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 2.480 ug/L

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

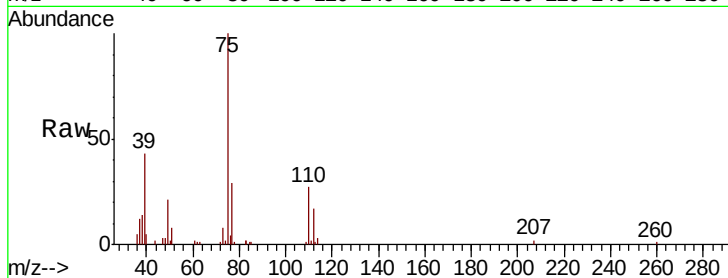
BFB

Tot Ion: 75 Resp: 12885

Ion Ratio Lower Upper

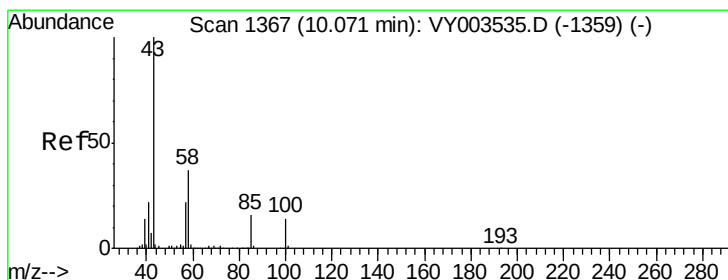
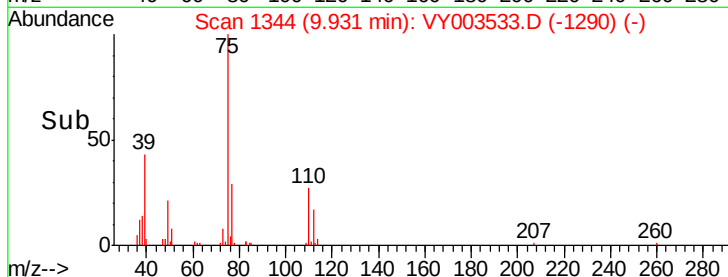
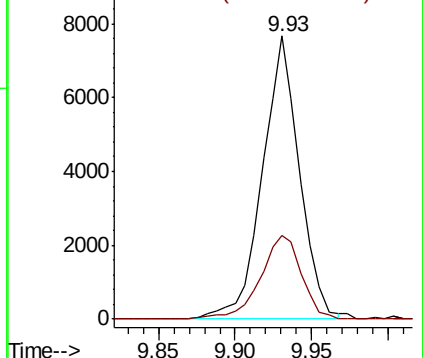
75 100

77 29.4 23.4 43.4



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#43

4-Methyl-2-pentanone

Concen: 5.341 ug/L

RT: 10.08 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

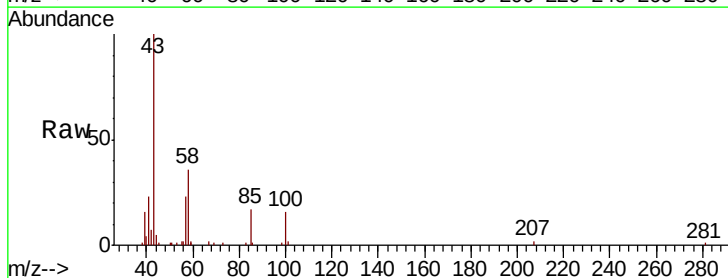
Tgt Ion: 43 Resp: 14338

Ion Ratio Lower Upper

43 100

58 36.0 30.2 45.4

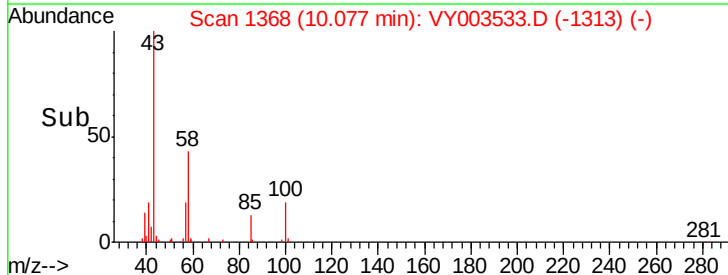
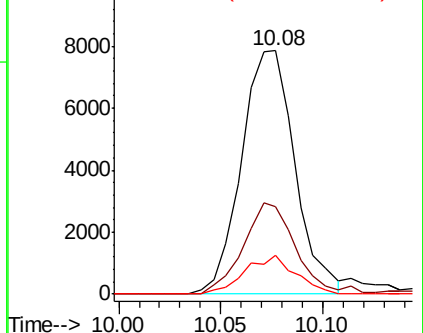
100 15.1 12.0 18.0

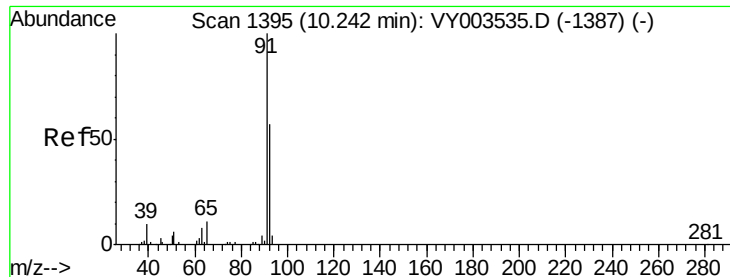


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#44

Toluene

Concen: 2.539 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

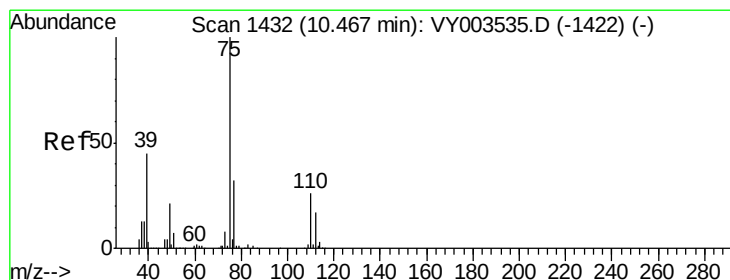
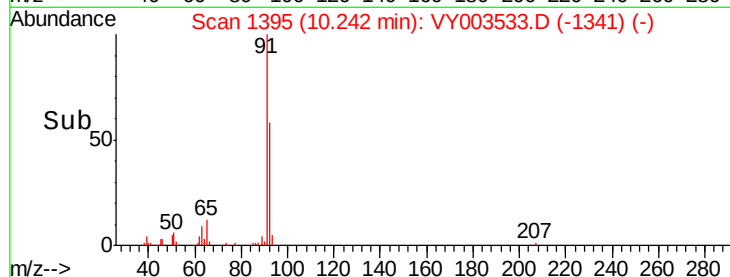
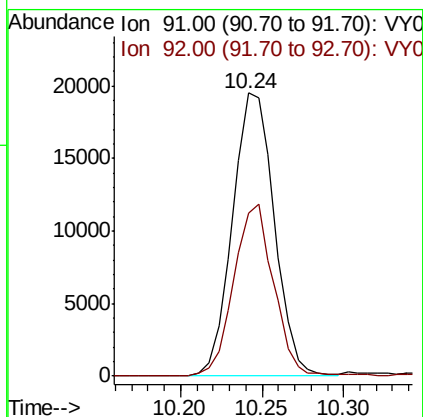
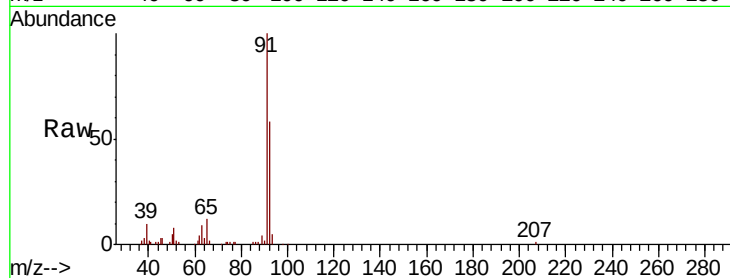
BFB

Tot Ion: 91 Resp: 34903

Ion Ratio Lower Upper

91 100

92 57.8 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 2.444 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY003533.D

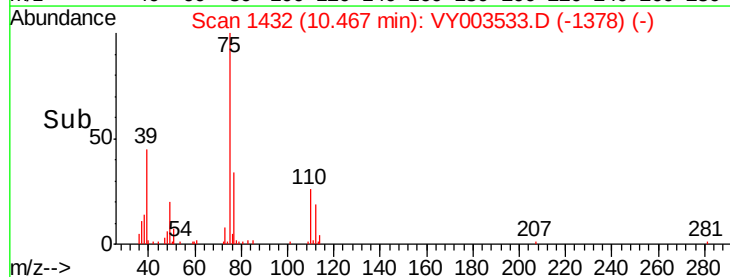
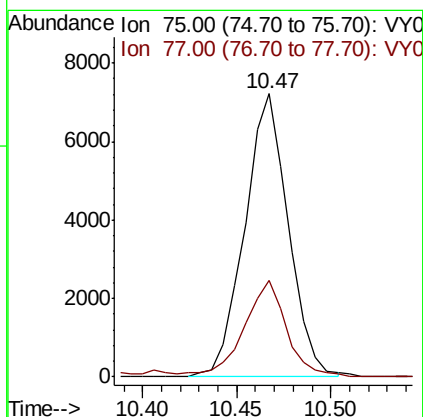
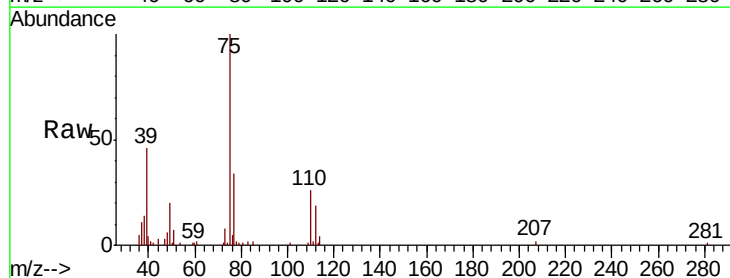
Acq: 18 Nov 2020 17:24

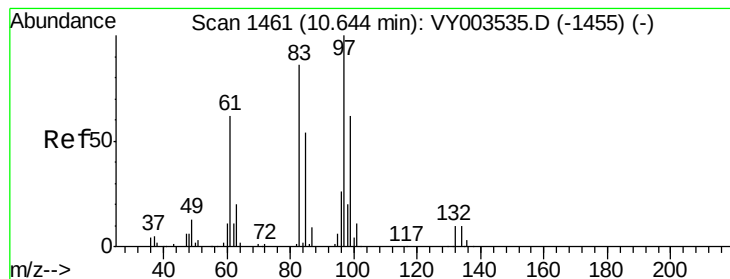
Tgt Ion: 75 Resp: 11553

Ion Ratio Lower Upper

75 100

77 34.0 22.6 42.0





#46

1,1,2-Trichloroethane

Concen: 2.618 ug/L

RT: 10.64 min Scan# 1461

Delta R.T. 0.00 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

BFB

Tot Ion: 97 Resp: 6931

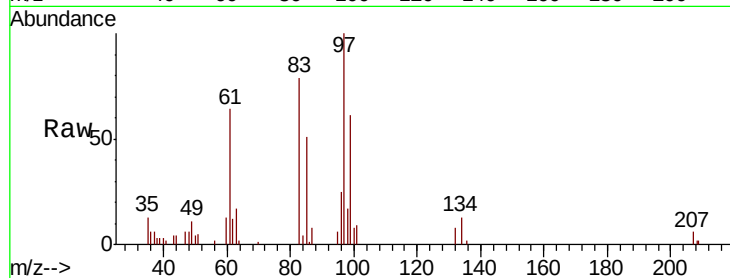
Ion Ratio Lower Upper

97 100

83 78.6 60.1 111.5

85 51.5 37.5 69.7

99 61.5 43.6 81.0

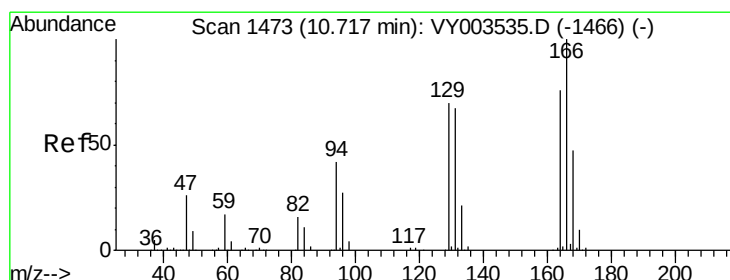
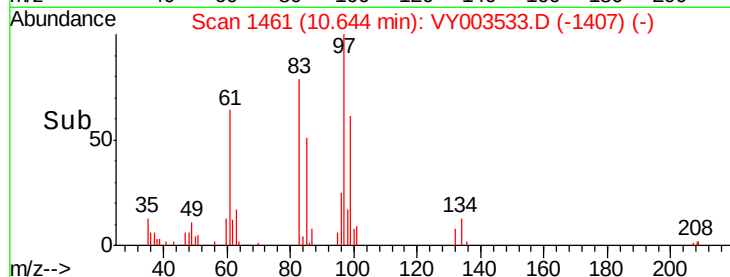
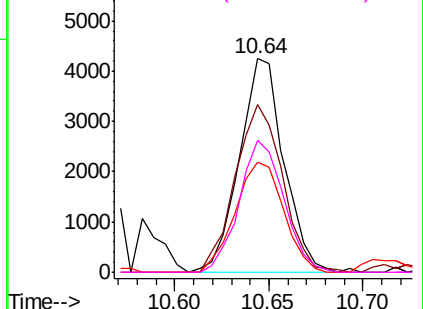


Abundance Ion 97.00 (96.70 to 97.70): VY0

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: 2.818 ug/L

RT: 10.72 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

Tgt Ion: 164 Resp: 7802

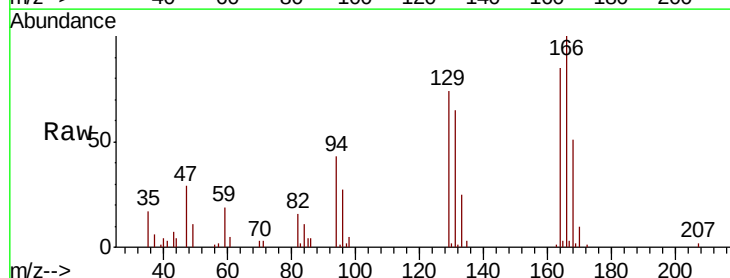
Ion Ratio Lower Upper

164 100

129 87.4 64.3 119.3

131 77.6 61.7 114.5

166 117.9 92.3 171.5

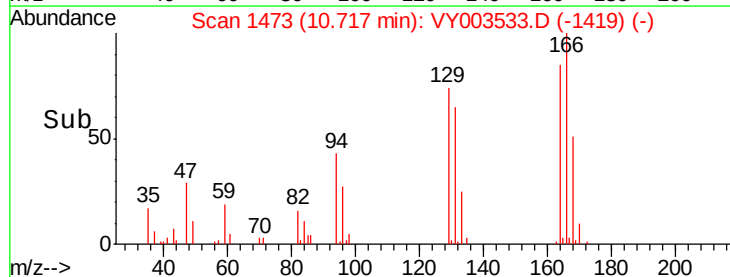
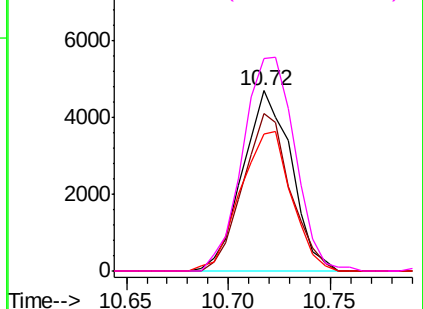


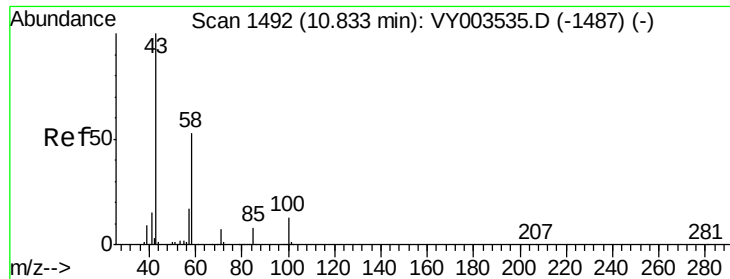
Abundance Ion 164.00 (163.70 to 164.70): V

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

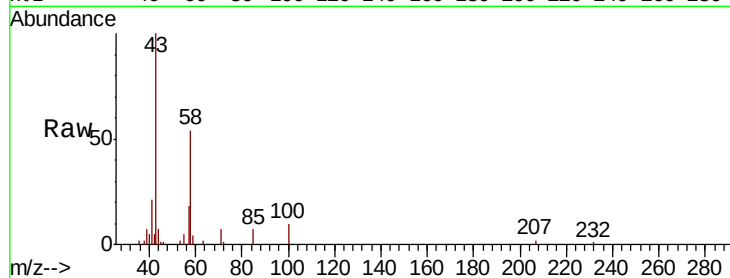




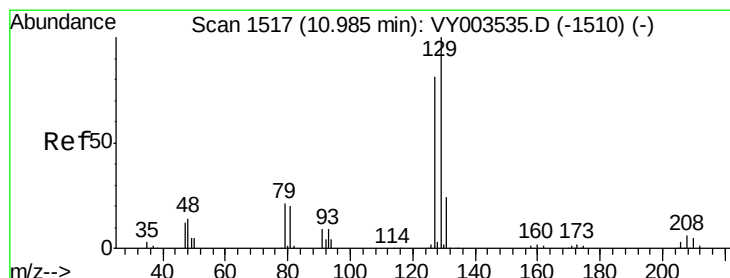
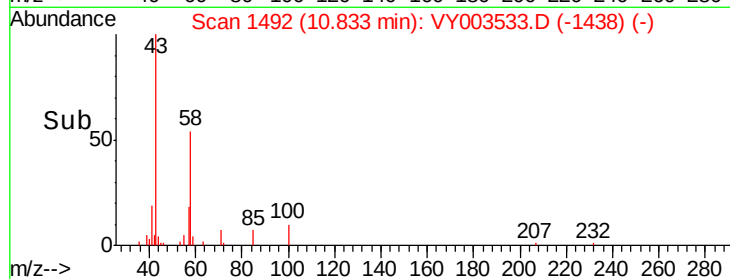
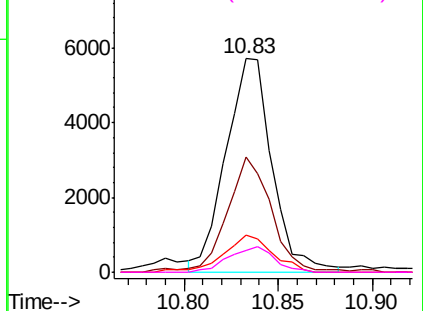
#49
2-Hexanone
Concen: 4.525 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY003533.D
Acq: 18 Nov 2020 17:24

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Tot Ion:	43	Resp:	9730
Ion	Ratio	Lower	Upper
43	100		
58	51.0	41.8	62.6
57	17.6	13.5	20.3
100	11.8	9.5	14.3

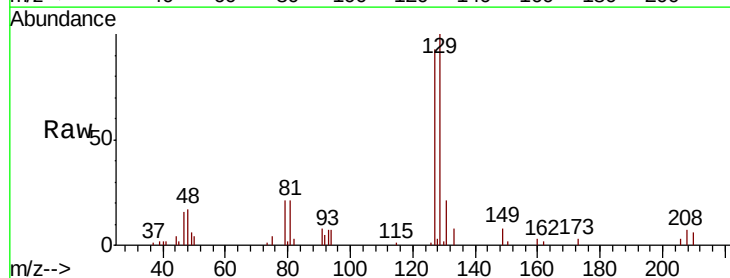


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0
Ion 57.00 (56.70 to 57.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

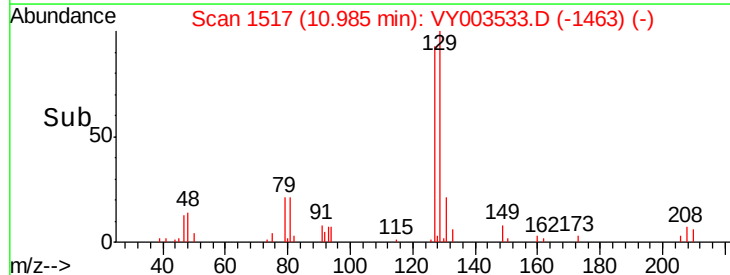
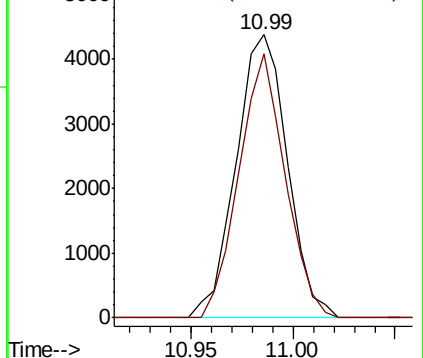


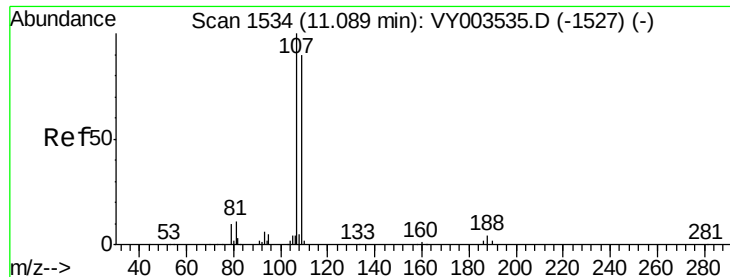
#50
Dibromochloromethane
Concen: 2.436 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY003533.D
Acq: 18 Nov 2020 17:24

Tgt Ion:	129	Resp:	7651
Ion	Ratio	Lower	Upper
129	100		
127	93.2	56.9	105.7



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 2.620 ug/L

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

Instrument :

MSVOA_Y

ClientSampled :

BFB

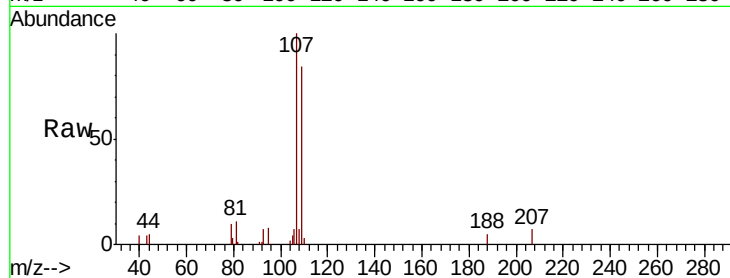
Tot Ion:107 Resp: 6821

Ion Ratio Lower Upper

107 100

109 84.5 63.0 117.0

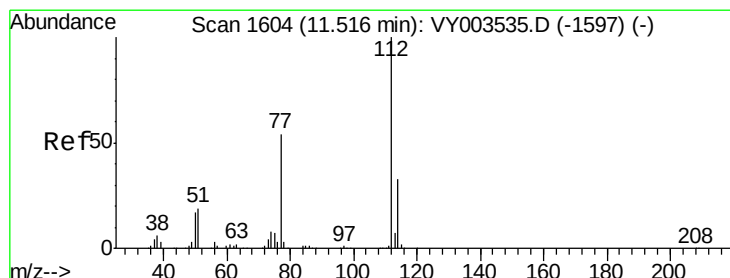
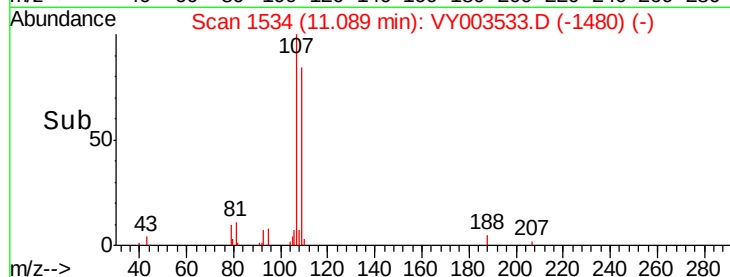
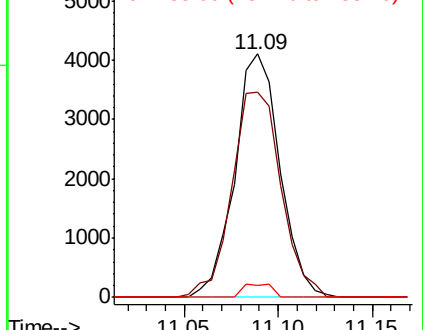
188 4.8 3.4 5.2



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: 2.621 ug/L

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

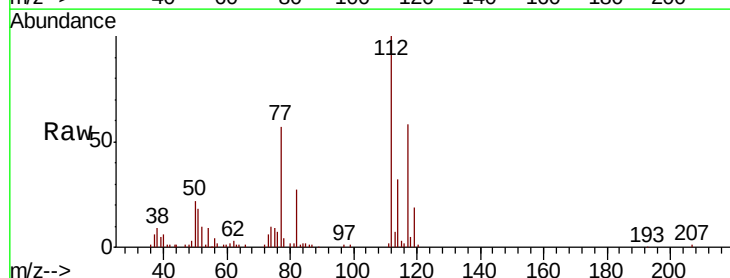
Tgt Ion:112 Resp: 22906

Ion Ratio Lower Upper

112 100

77 57.0 43.6 65.4

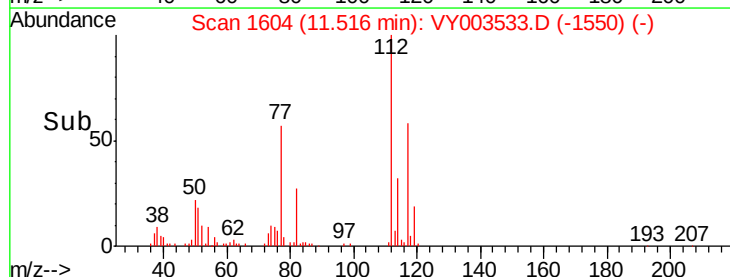
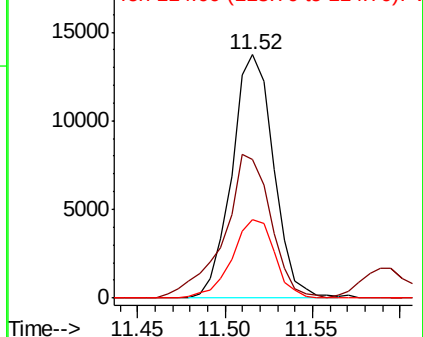
114 32.2 23.0 42.6

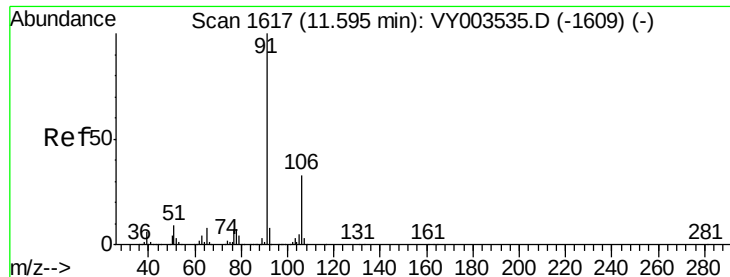


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 2.417 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

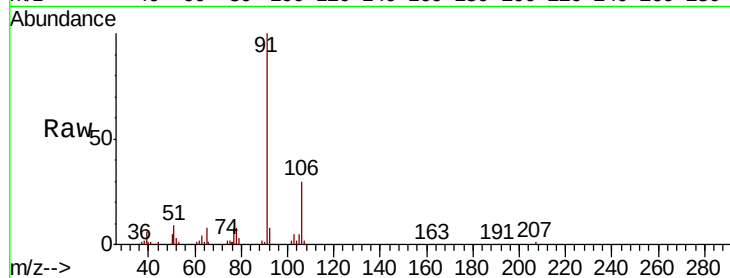
BFB

Tot Ion: 91 Resp: 33881

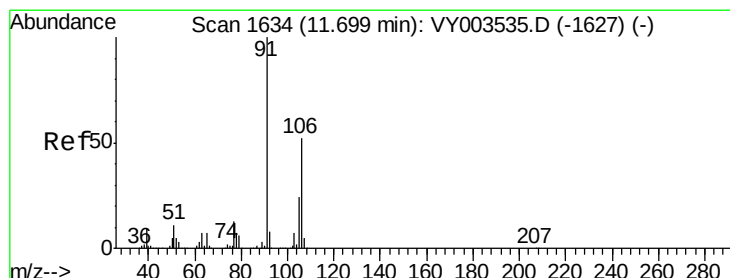
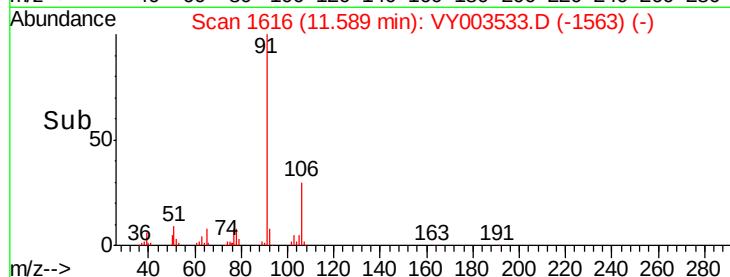
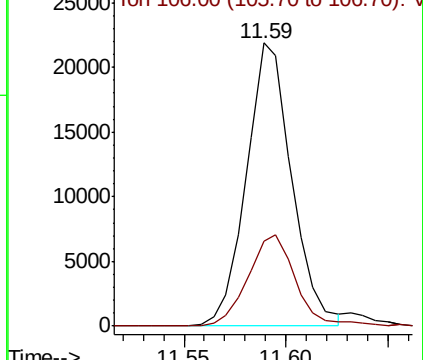
Ion Ratio Lower Upper

91 100

106 29.9 22.9 42.5



Abundance Ion 91.00 (90.70 to 91.70): VY003535.D (-1609) (-)



#54

m,p-Xylene

Concen: 2.465 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY003533.D

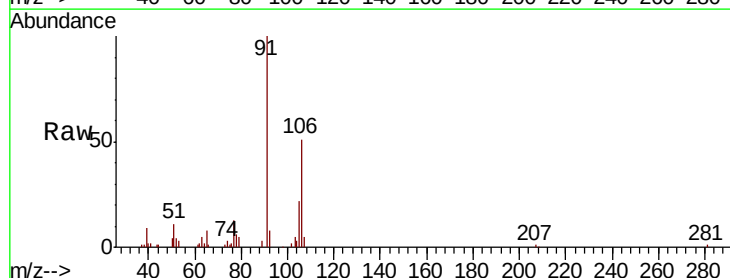
Acq: 18 Nov 2020 17:24

Tgt Ion: 106 Resp: 13256

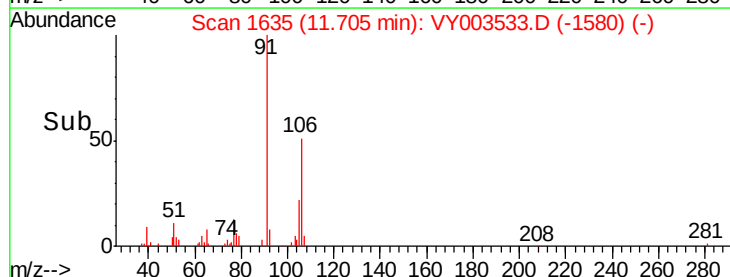
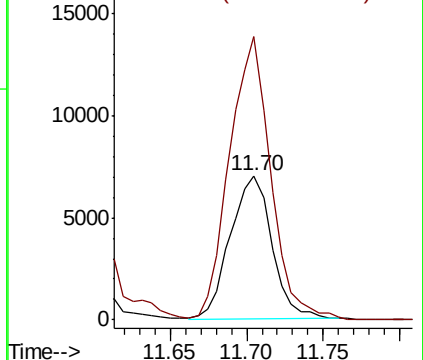
Ion Ratio Lower Upper

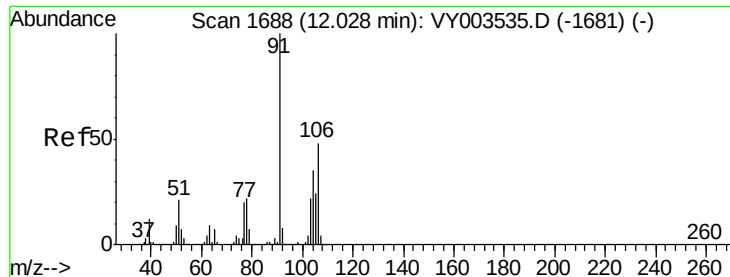
106 100

91 196.1 133.8 248.6



Abundance Ion 106.00 (105.70 to 106.70): VY003535.D (-1627) (-)





#55

o-xylene

Concen: 2.477 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

Instrument :

MSVOA_Y

ClientSampled :

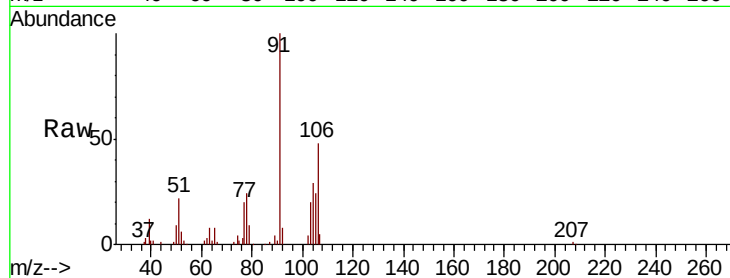
BFB

Tot Ion:106 Resp: 11134

Ion Ratio Lower Upper

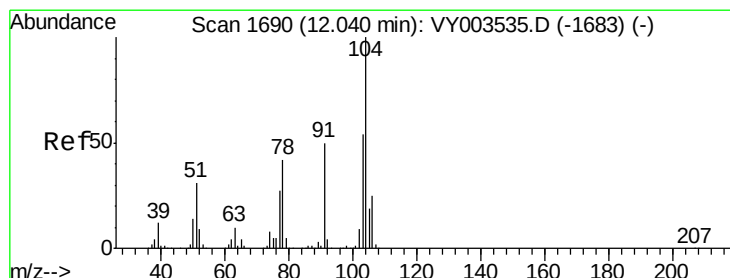
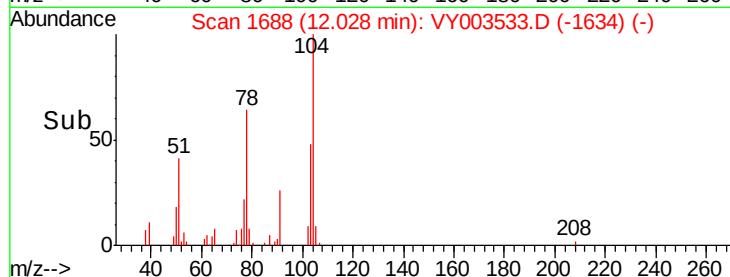
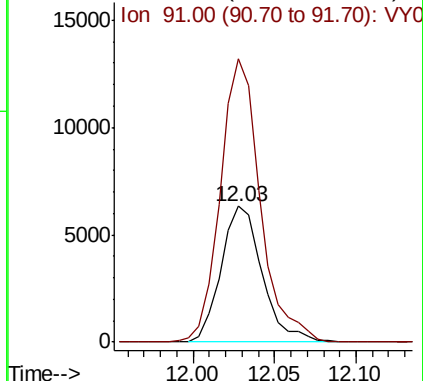
106 100

91 208.4 144.8 269.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 2.236 ug/L

RT: 12.05 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VY003533.D

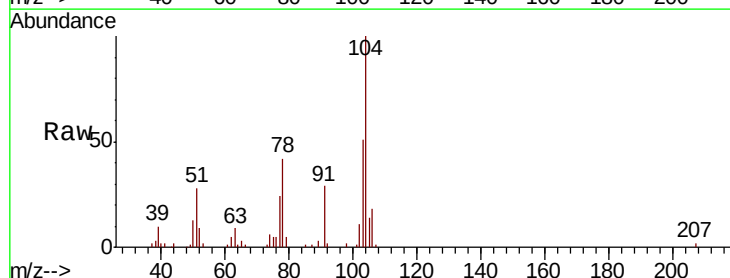
Acq: 18 Nov 2020 17:24

Tgt Ion:104 Resp: 20389

Ion Ratio Lower Upper

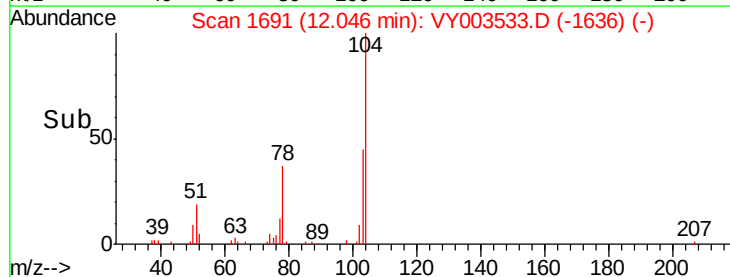
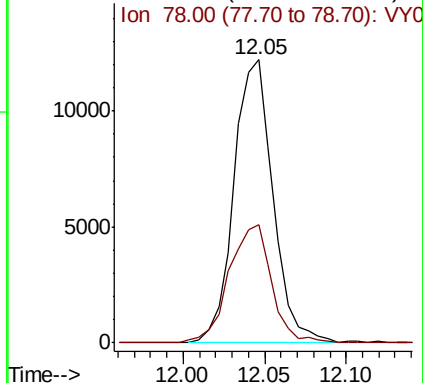
104 100

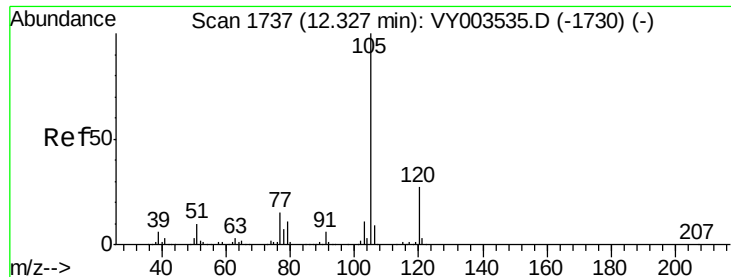
78 41.9 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 2.447 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

BFB

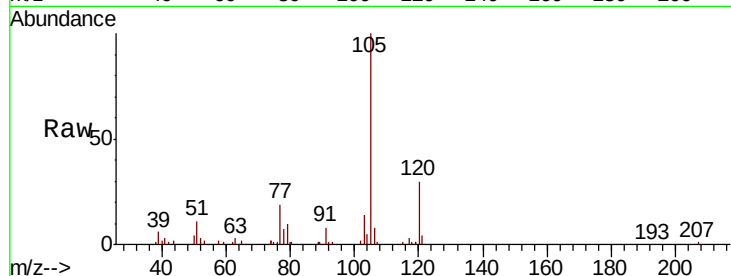
Tot Ion:105 Resp: 24192

Ion Ratio Lower Upper

105 100

120 28.4 21.8 32.8

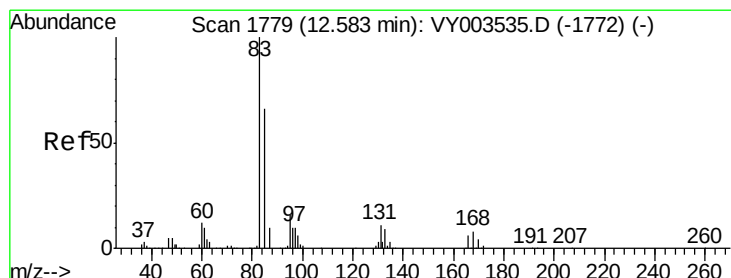
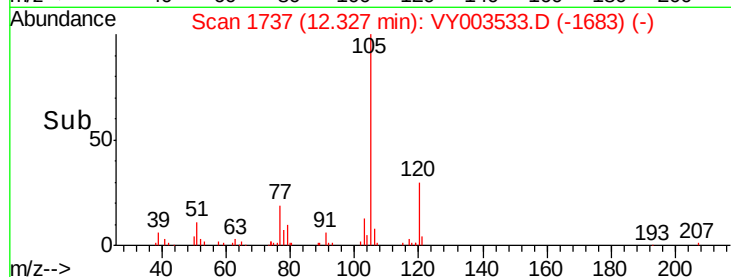
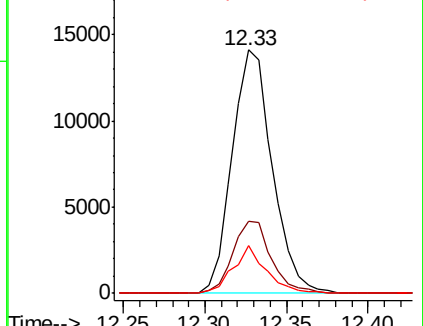
77 16.0 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.443 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

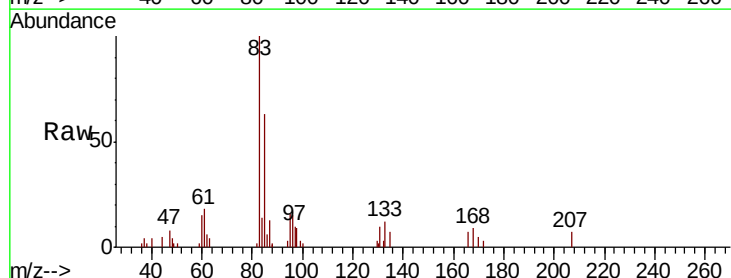
Tgt Ion: 83 Resp: 7307

Ion Ratio Lower Upper

83 100

85 62.9 46.5 86.5

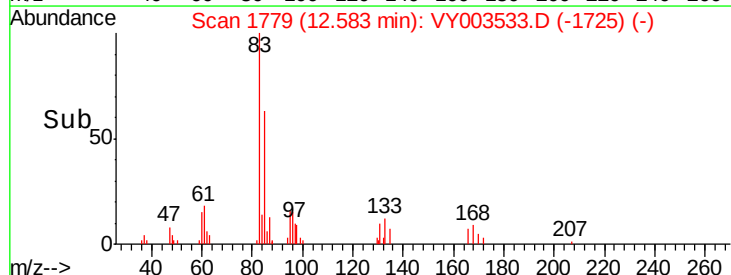
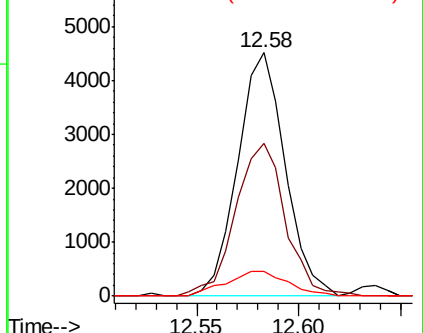
131 10.1 8.4 12.6

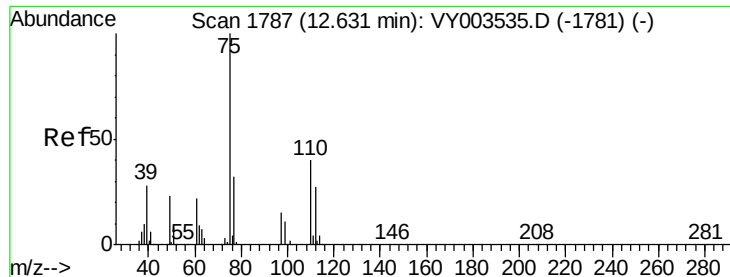


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.547 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

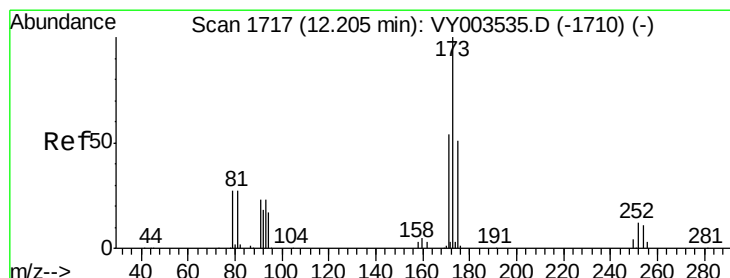
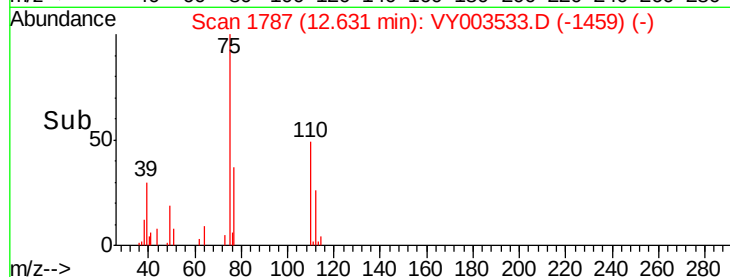
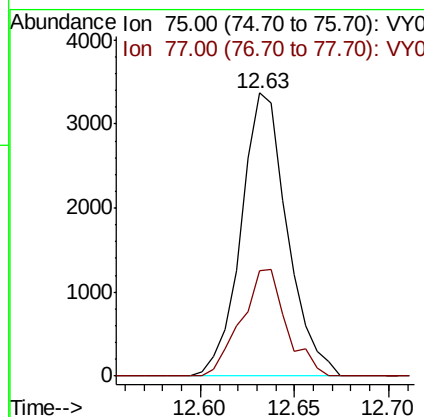
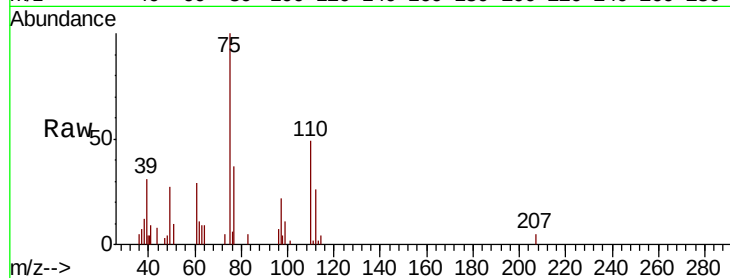
BFB

Tot Ion: 75 Resp: 5736

Ion Ratio Lower Upper

75 100

77 36.6 25.8 38.6



#62

Bromoform

Concen: 2.676 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

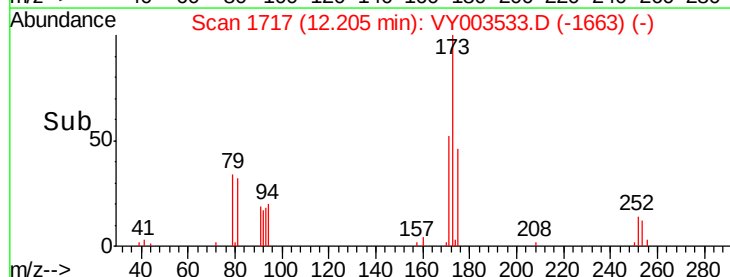
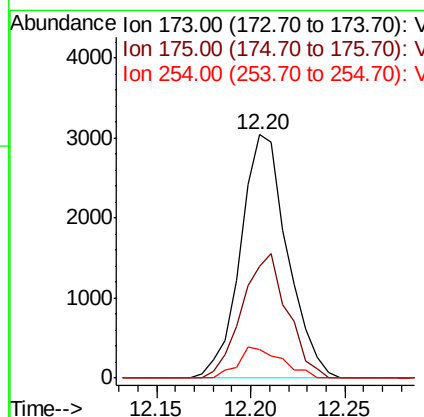
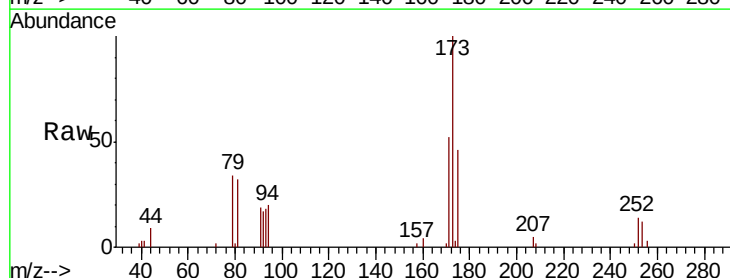
Tgt Ion: 173 Resp: 5246

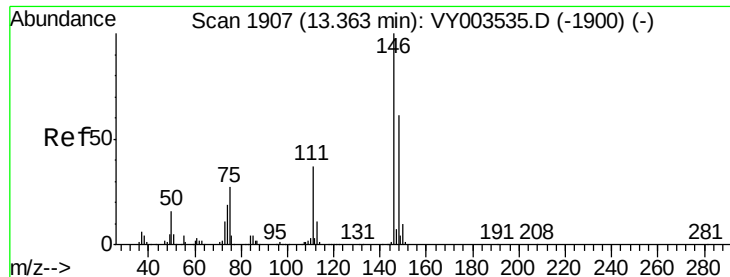
Ion Ratio Lower Upper

173 100

175 49.4 39.3 58.9

254 11.9 8.6 12.8

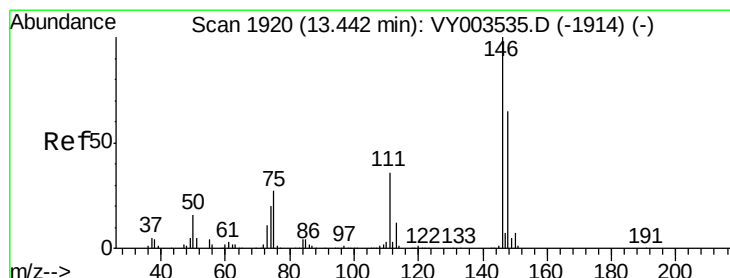
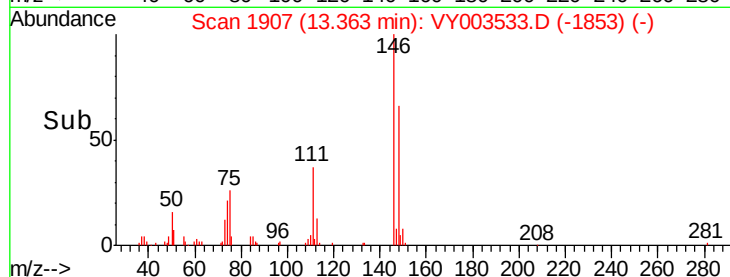
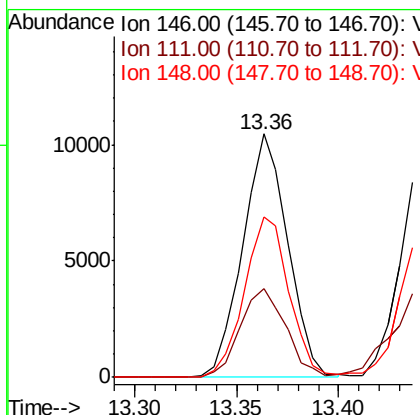
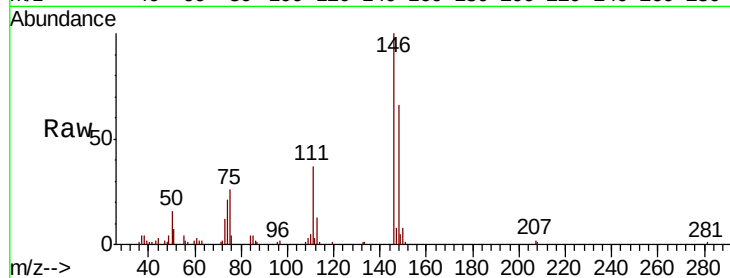




#63
 1,3-Dichlorobenzene
 Concen: 2.697 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003533.D
 Acq: 18 Nov 2020 17:24

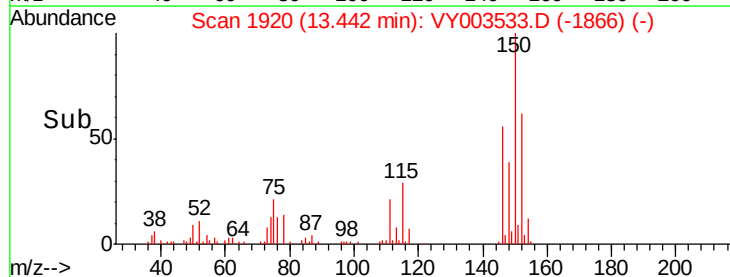
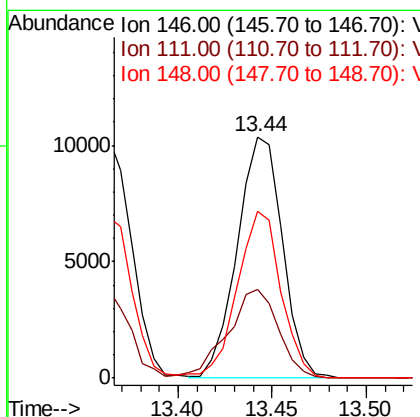
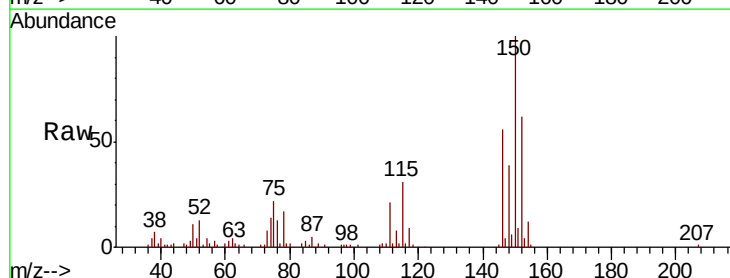
Instrument :
 MSVOA_Y
 ClientSampled :
 BFB

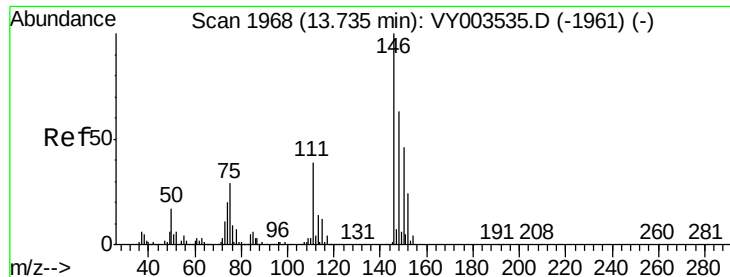
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	26.2	48.8
148	66.1	43.0	79.8



#64
 1,4-Dichlorobenzene
 Concen: 2.846 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY003533.D
 Acq: 18 Nov 2020 17:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	25.6	47.4
148	68.9	45.4	84.4

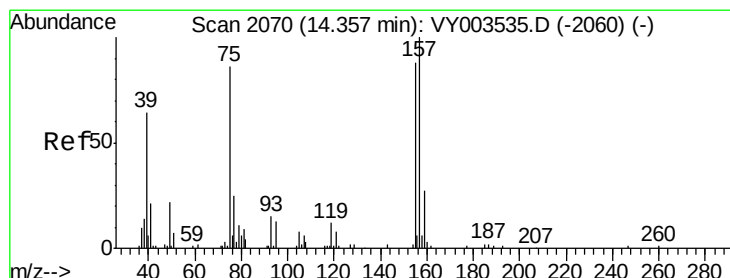
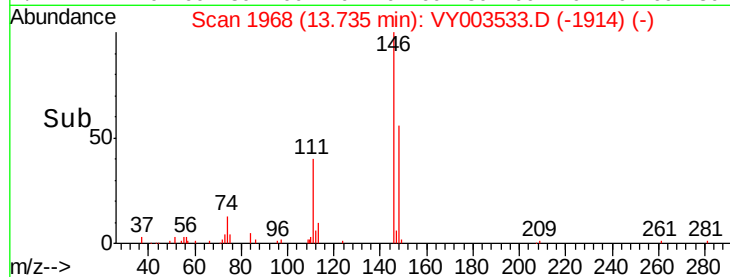
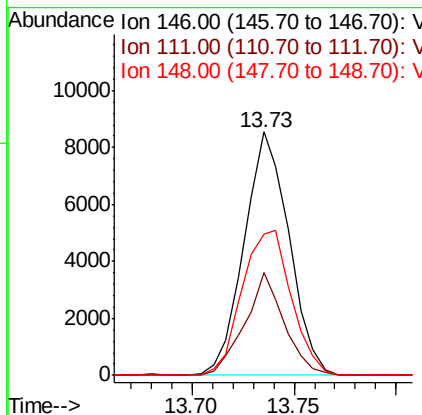
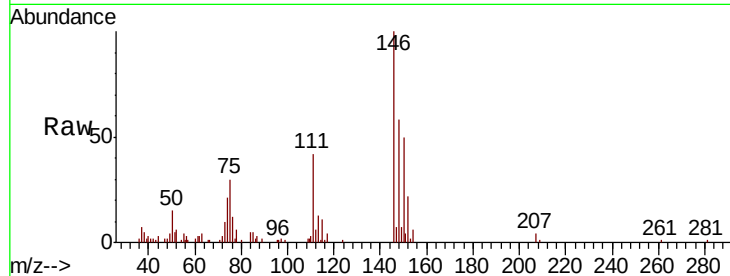




#65
 1,2-Dichlorobenzene
 Concen: 2.657 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY003533.D
 Acq: 18 Nov 2020 17:24

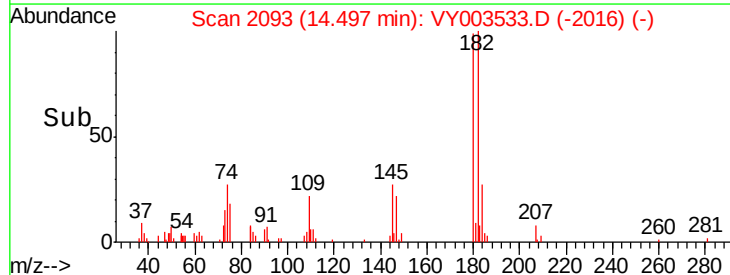
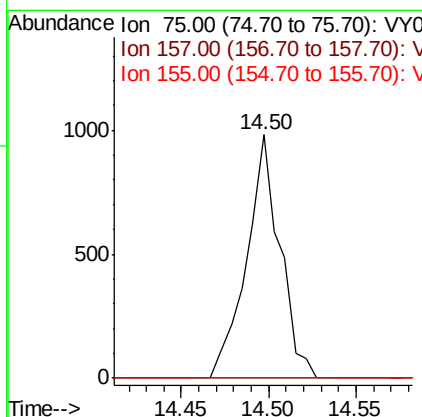
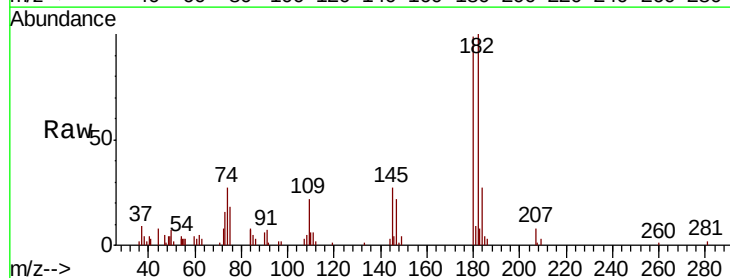
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

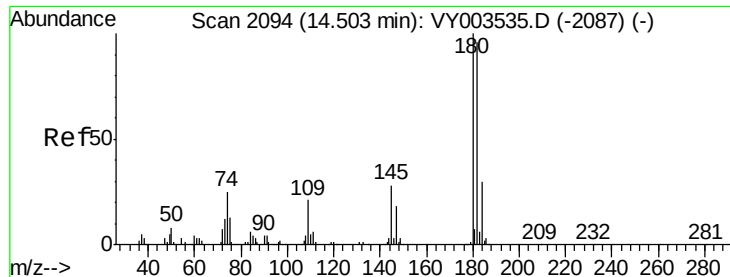
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	31.5	47.3
148	58.0	50.5	75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.311 ug/L
 RT: 14.50 min Scan# 2093
 Delta R.T. 0.14 min
 Lab File: VY003533.D
 Acq: 18 Nov 2020 17:24

Tgt Ion	Ratio	Lower	Upper
75	100		
157	0.0	92.8	139.2#
155	0.0	81.9	122.9#

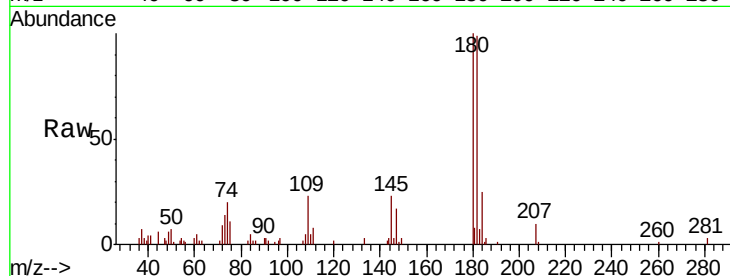




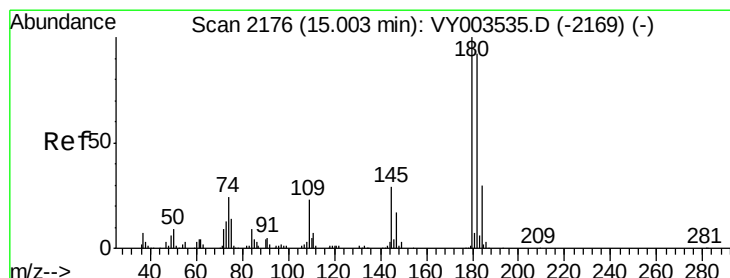
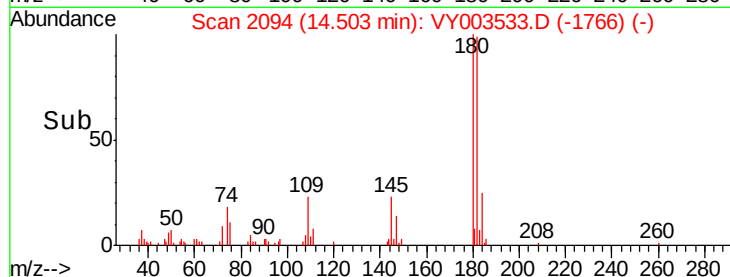
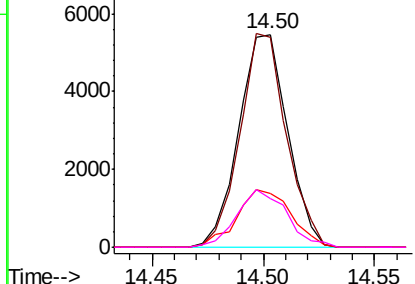
#67
 1,3,5-Trichlorobenzene
 Concen: 2.689 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY003533.D
 Acq: 18 Nov 2020 17:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

Tot Ion:180	Resp:	8376
Ion	Ratio	Lower Upper
180	100	
182	95.6	76.2 114.2
184	30.2	24.1 36.1
145	27.8	22.3 33.5

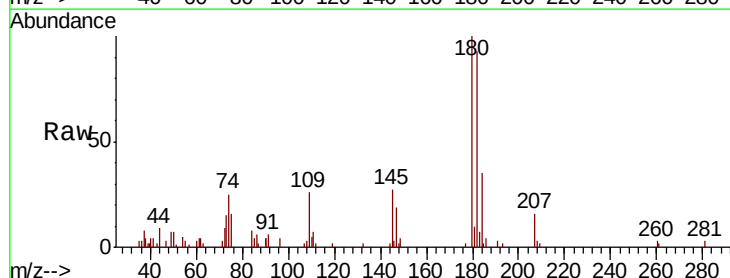


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

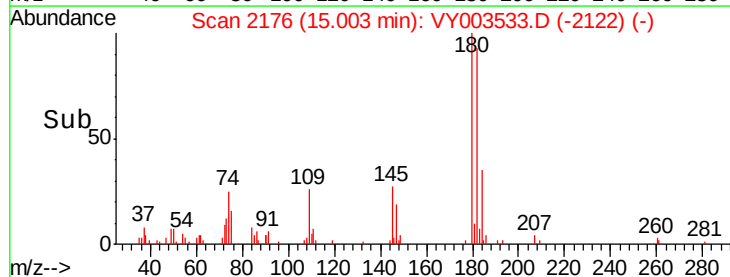
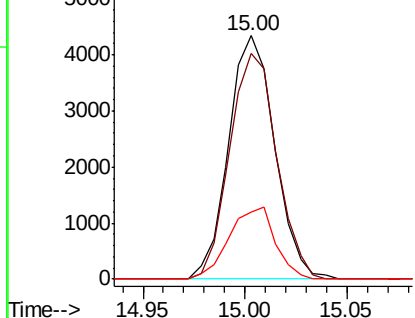


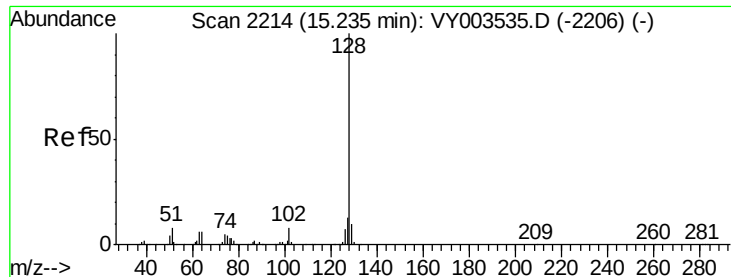
#68
 1,2,4-trichlorobenzene
 Concen: 2.526 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY003533.D
 Acq: 18 Nov 2020 17:24

Tgt Ion:180	Resp:	6817
Ion	Ratio	Lower Upper
180	100	
182	94.5	75.1 112.7
145	29.6	22.6 34.0



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





#69

Naphthalene

Concen: 2.353 ug/L

RT: 15.23 min Scan# 2213

Delta R.T. -0.01 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

BFB

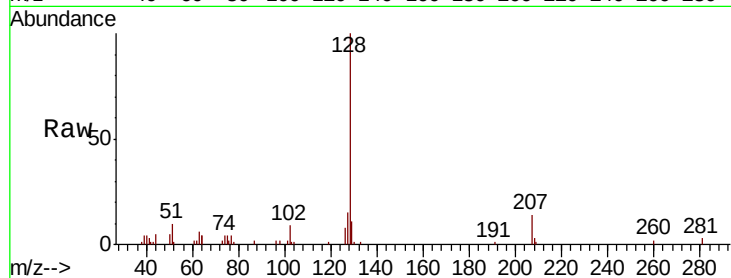
Tot Ion:128 Resp: 11536

Ion Ratio Lower Upper

128 100

129 12.1 8.4 12.6

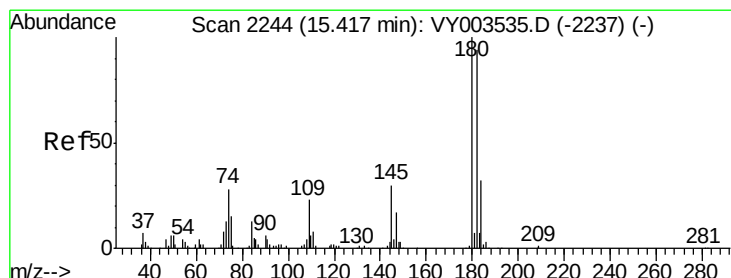
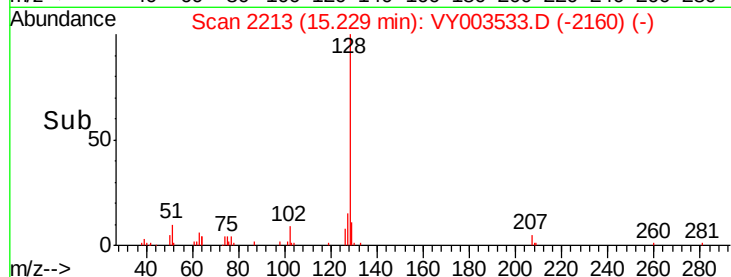
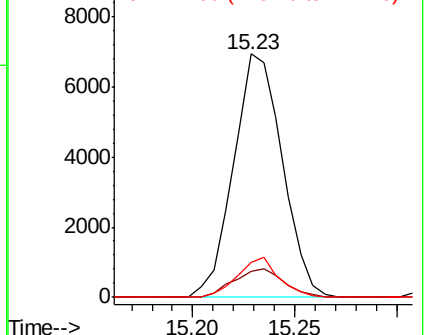
127 13.8 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 2.670 ug/L

RT: 15.42 min Scan# 2245

Delta R.T. 0.01 min

Lab File: VY003533.D

Acq: 18 Nov 2020 17:24

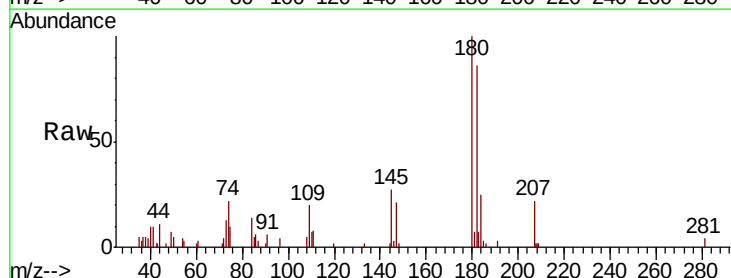
Tgt Ion:180 Resp: 5516

Ion Ratio Lower Upper

180 100

182 93.5 75.8 113.6

145 28.4 23.6 35.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

