

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111820\
 Data File : VY003536.D
 Acq On : 18 Nov 2020 18:29
 Operator : SY/MD
 Sample : VSTD05078
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05078

Quant Time: Nov 19 03:05:54 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	245226	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	224259	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	112467	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	113796	53.43	ug/L	0.00
7) Chloroethane-d5	2.77	69	108592	51.57	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	299030	51.33	ug/L	0.00
20) 2-Butanone-d5	6.91	46	132649	101.90	ug/L	0.00
24) Chloroform-d	7.49	84	303576	52.17	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.14	65	171321	53.32	ug/L	0.00
29) Benzene-d6	8.11	84	624220	51.87	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	191440	52.87	ug/L	0.00
37) Toluene-d8	10.18	98	575398	52.27	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	94942	54.12	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	103976	110.41	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	165275	53.25	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	178531	52.28	ug/L	0.00

Target Compounds

					Qvalue
3) Chloromethane	2.12	50	140362	50.877 ug/L	96
5) Vinyl chloride	2.26	62	161662	52.498 ug/L	100
6) Bromomethane	2.66	94	121806	52.198 ug/L	100
8) Chloroethane	2.80	64	108151	51.221 ug/L	98
9) Trichlorofluoromethane	3.13	101	151764	49.156 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	157150	51.189 ug/L	99
12) 1,1-Dichloroethene	3.88	96	169044	51.266 ug/L	94
13) Acetone	3.97	43	86438	98.968 ug/L	97
14) Carbon disulfide	4.20	76	557101	50.449 ug/L	100
15) Methyl Acetate	4.49	43	119914	52.342 ug/L	99
16) Methylene chloride	4.72	84	189252	49.123 ug/L	96
17) Methyl tert-butyl Ether	5.22	73	272478	50.941 ug/L	99
18) trans-1,2-Dichloroethene	5.23	96	179463	51.012 ug/L	96
19) 1,1-Dichloroethane	6.02	63	308180	51.053 ug/L	99
21) 2-Butanone	7.00	43	156611	101.940 ug/L	99
22) cis-1,2-Dichloroethene	6.99	96	190259	51.473 ug/L	99
23) Bromochloromethane	7.34	128	90931	50.280 ug/L	98
25) Chloroform	7.52	83	302126	51.427 ug/L	100
27) 1,2-Dichloroethane	8.24	62	204677	50.805 ug/L	99
30) Cyclohexane	7.79	56	276937	52.434 ug/L	99
31) 1,1,1-Trichloroethane	7.71	97	235809	50.374 ug/L	98
32) Carbon tetrachloride	7.91	117	222561	52.077 ug/L	97
34) Benzene	8.16	78	707592	50.184 ug/L	100
35) Trichloroethene	8.94	95	176287	50.740 ug/L	99
36) Methylcyclohexane	9.19	83	293092	57.443 ug/L	92
40) 1,2-Dichloropropane	9.22	63	176351	50.049 ug/L	100
41) Bromodichloromethane	9.50	83	229594	51.944 ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	289623	52.219 ug/L	98
43) 4-Methyl-2-pentanone	10.07	43	311986	108.856 ug/L	99
44) Toluene	10.24	91	759386	51.741 ug/L	100

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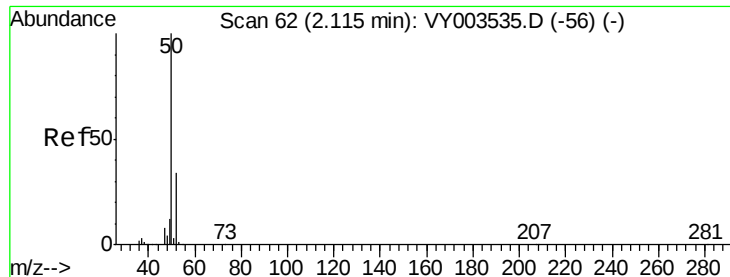
Instrument :
 MSVOA_Y
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Quant Time: Nov 19 03:05:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111820S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 19 03:03:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) trans-1,3-Dichloropropene	10.47	75	265064	52.517	ug/L	98
46) 1,1,2-Trichloroethane	10.64	97	144369	51.074	ug/L	98
47) Tetrachloroethene	10.72	164	151938	51.411	ug/L	93
49) 2-Hexanone	10.83	43	242570	105.663	ug/L	99
50) Dibromochloromethane	10.99	129	174474	52.041	ug/L	93
51) 1,2-Dibromoethane	11.09	107	145042	52.179	ug/L #	96
52) Chlorobenzene	11.52	112	475134	50.916	ug/L	100
53) Ethylbenzene	11.59	91	780695	52.163	ug/L	98
54) m,p-Xylene	11.70	106	301419	52.505	ug/L	99
55) o-xylene	12.03	106	258586	53.886	ug/L	99
56) Styrene	12.04	104	508622	52.255	ug/L	100
57) Isopropylbenzene	12.33	105	557735	52.835	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.58	83	166999	52.296	ug/L	99
59) 1,2,3-Trichloropropane	12.63	75	127359	52.976	ug/L	100
62) Bromoform	12.20	173	119313	53.045	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	348635	51.017	ug/L	98
64) 1,4-Dichlorobenzene	13.44	146	358441	51.390	ug/L	98
65) 1,2-Dichlorobenzene	13.73	146	289569	51.158	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.36	75	23231	51.635	ug/L	93
67) 1,3,5-Trichlorobenzene	14.50	180	181718	50.830	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	166350	53.710	ug/L	98
69) Naphthalene	15.23	128	310948	55.268	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	123841	52.234	ug/L	99

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



#3

Chloromethane

Concen: 50.877 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

Instrument :

MSVOA_Y

ClientSampleId :

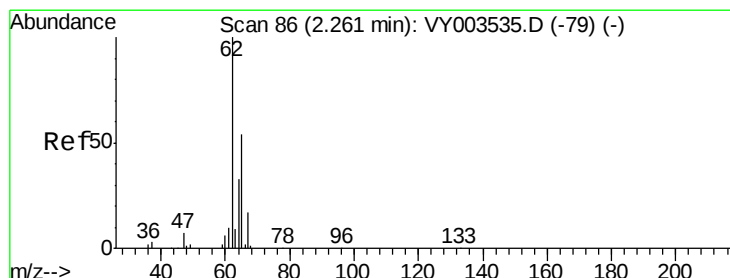
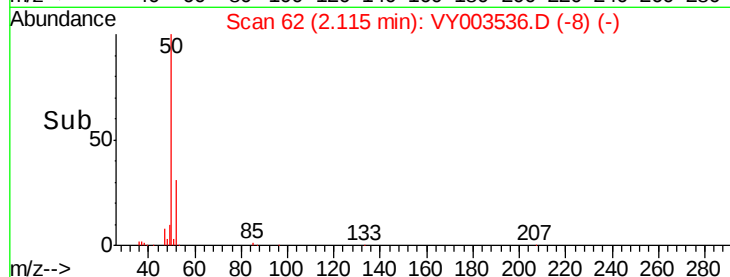
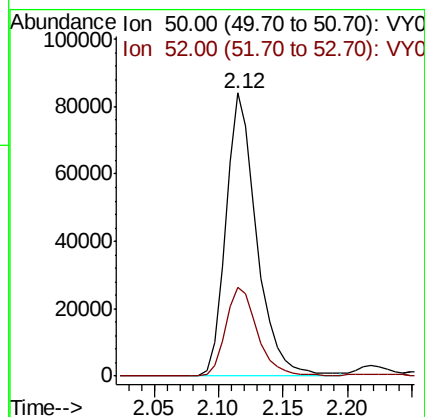
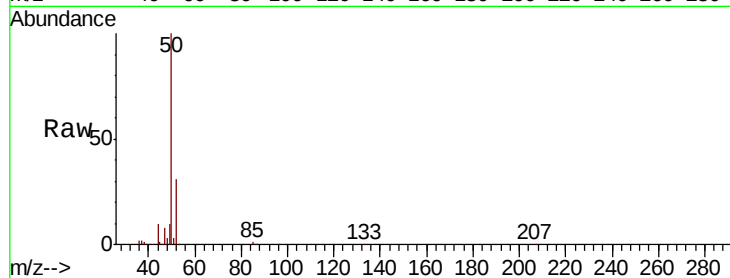
VSTD05078

Tot Ion: 50 Resp: 140362

Ion Ratio Lower Upper

50 100

52 31.5 23.7 43.9



#5

Vinyl chloride

Concen: 52.498 ug/L

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY003536.D

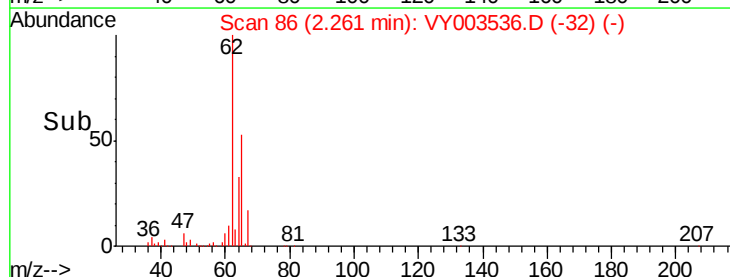
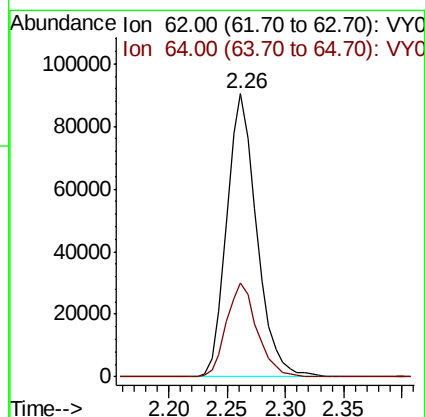
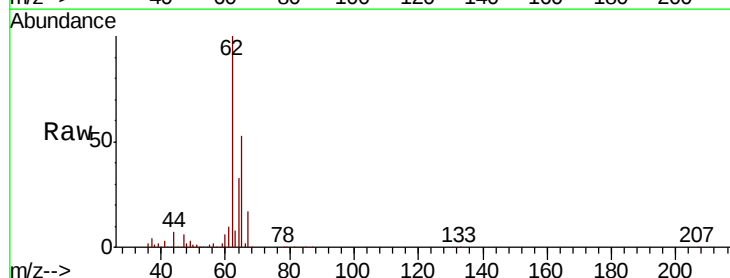
Acq: 18 Nov 2020 18:29

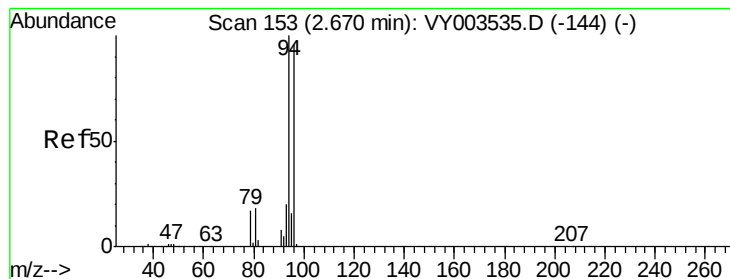
Tgt Ion: 62 Resp: 161662

Ion Ratio Lower Upper

62 100

64 33.1 23.0 42.8





#6

Bromomethane

Concen: 52.198 ug/L

RT: 2.66 min Scan# 152

Delta R.T. -0.01 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

Instrument :

MSVOA_Y

ClientSampleId :

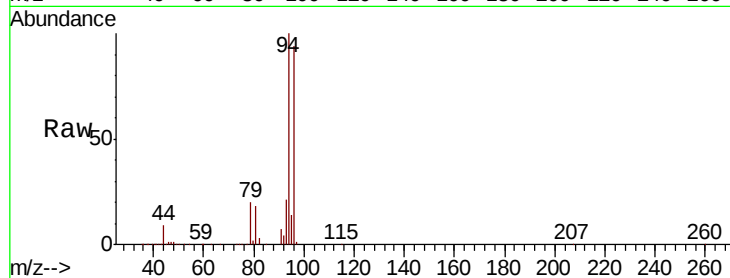
VSTD05078

Tot Ion: 94 Resp: 121806

Ion Ratio Lower Upper

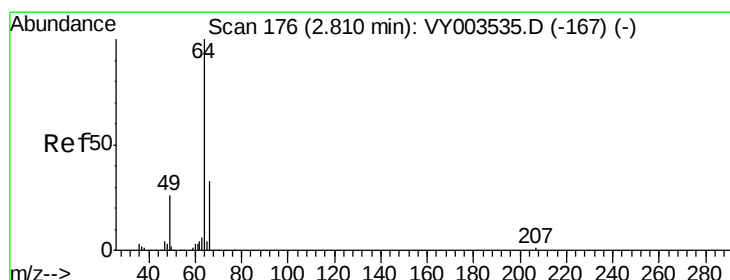
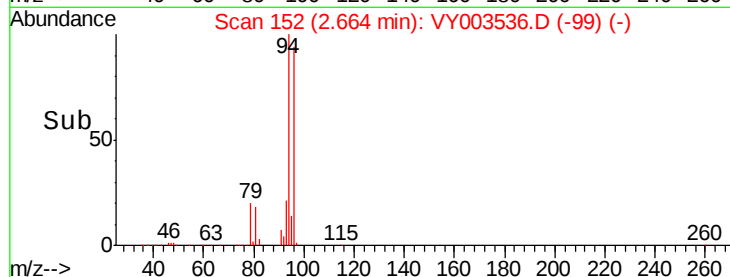
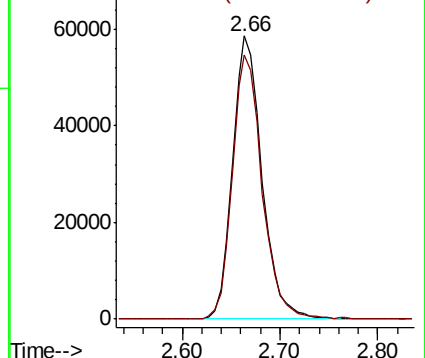
94 100

96 94.1 9.4 179.4



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0



#8

Chloroethane

Concen: 51.221 ug/L

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY003536.D

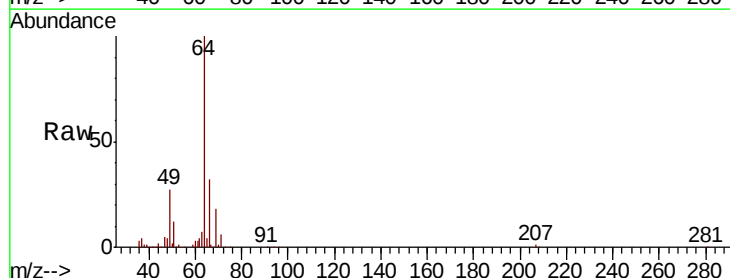
Acq: 18 Nov 2020 18:29

Tgt Ion: 64 Resp: 108151

Ion Ratio Lower Upper

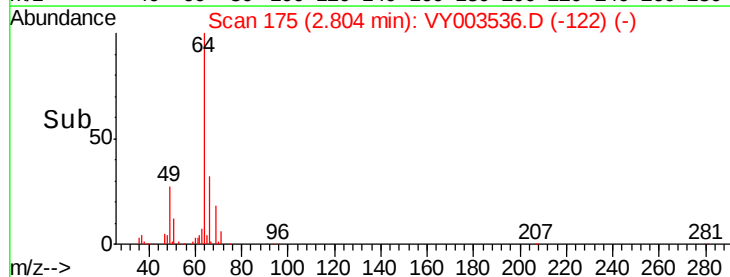
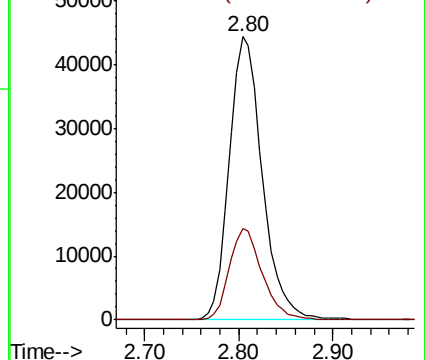
64 100

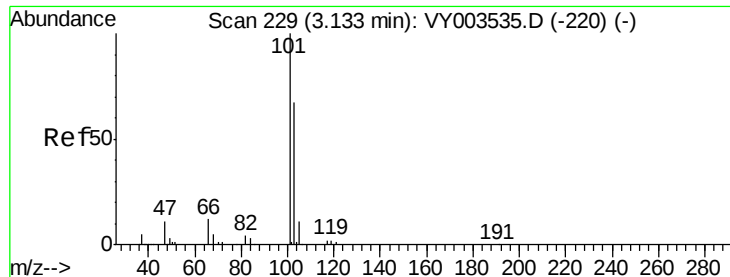
66 32.2 23.4 43.4



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0



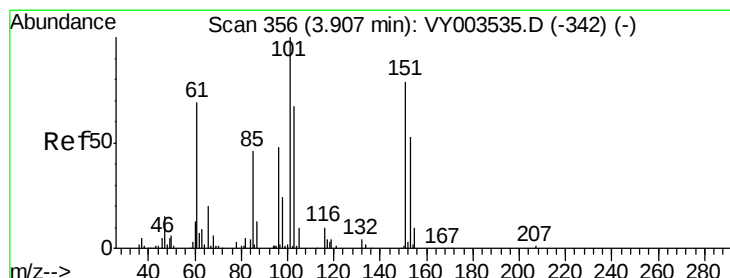
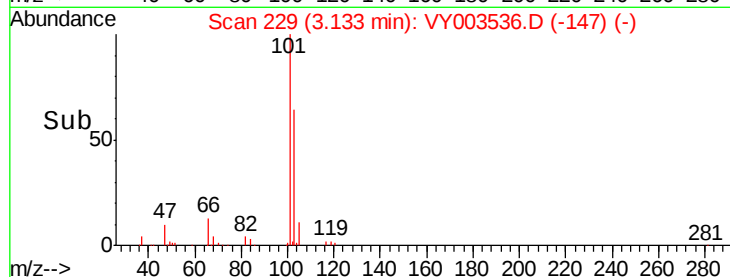
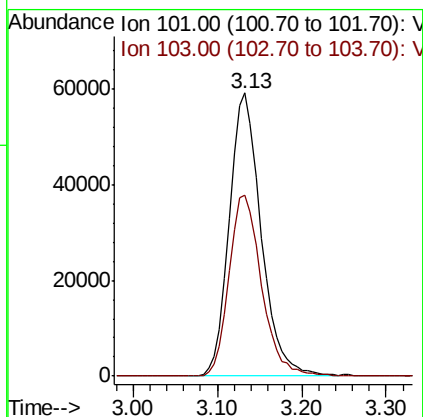
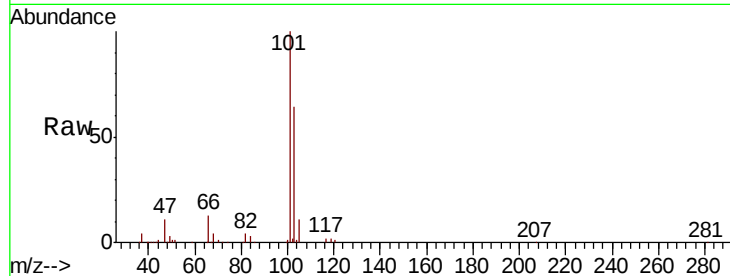


#9

Trichlorofluoromethane
 Concen: 49.156 ug/L
 RT: 3.13 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VY003536.D
 Acq: 18 Nov 2020 18:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05078

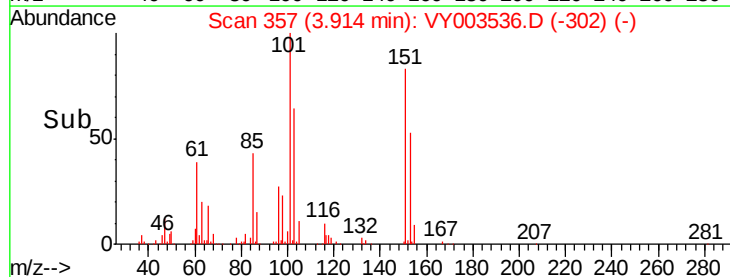
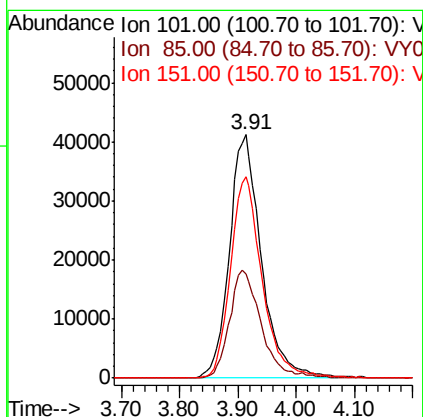
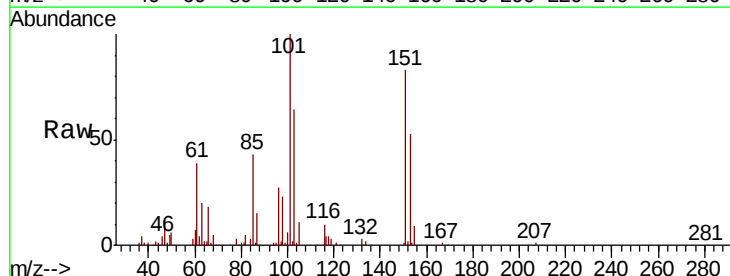
Tot Ion:101 Resp: 151764
 Ion Ratio Lower Upper
 101 100
 103 65.3 46.5 86.3

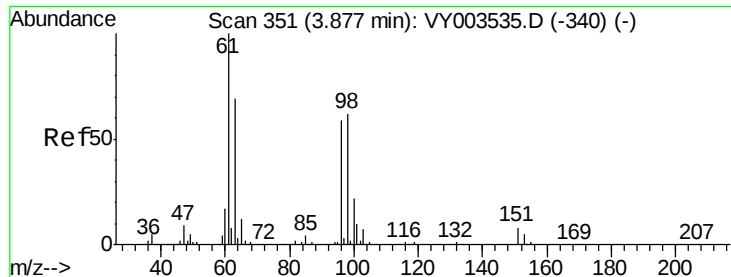


#11

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.189 ug/L
 RT: 3.91 min Scan# 357
 Delta R.T. 0.01 min
 Lab File: VY003536.D
 Acq: 18 Nov 2020 18:29

Tgt Ion:101 Resp: 157150
 Ion Ratio Lower Upper
 101 100
 85 43.0 35.9 53.9
 151 80.9 65.2 97.8





#12

1,1-Dichloroethene

Concen: 51.266 ug/L

RT: 3.88 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05078

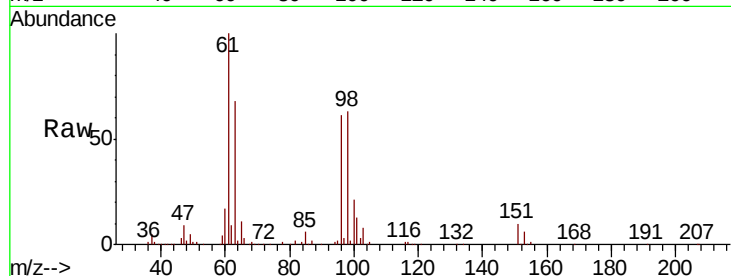
Tot Ion: 96 Resp: 169044

Ion Ratio Lower Upper

96 100

61 163.9 119.3 221.5

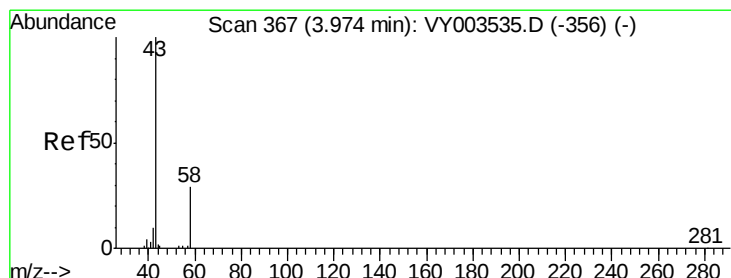
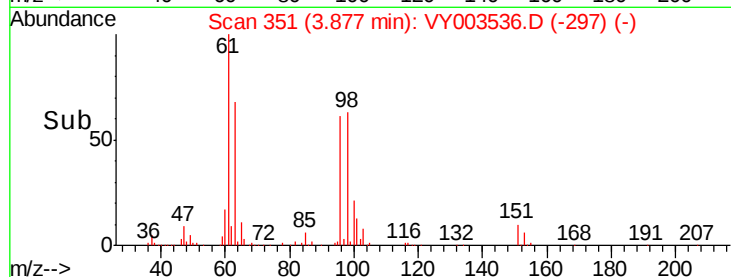
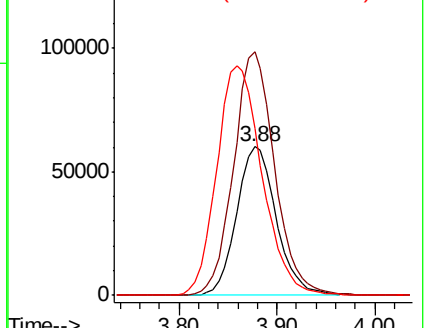
63 111.9 83.6 155.2



Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 63.00 (62.70 to 63.70): VY0



#13

Acetone

Concen: 98.968 ug/L

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY003536.D

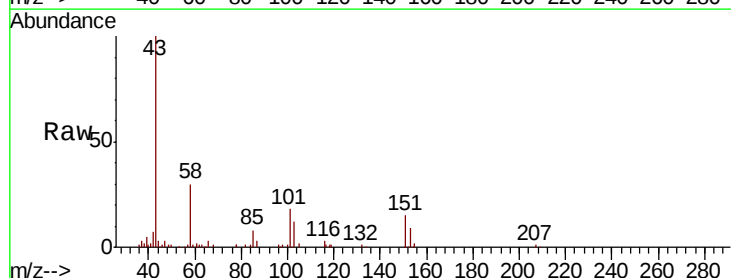
Acq: 18 Nov 2020 18:29

Tgt Ion: 43 Resp: 86438

Ion Ratio Lower Upper

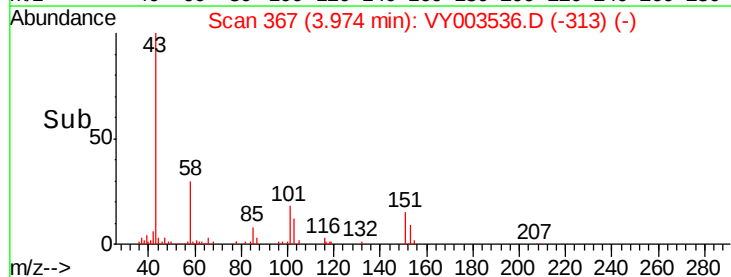
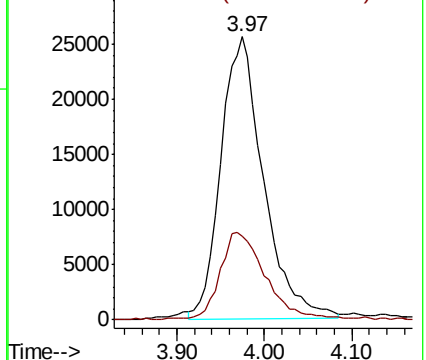
43 100

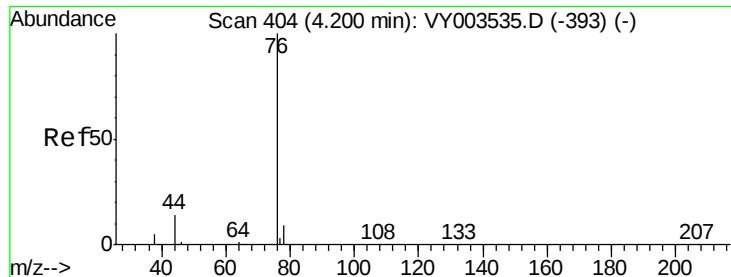
58 32.5 0.0 62.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#14

Carbon disulfide

Concen: 50.449 ug/L

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

Instrument :

MSVOA_Y

ClientSampleId :

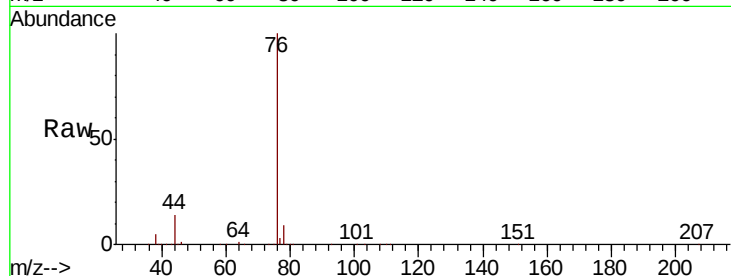
VSTD05078

Tot Ion: 76 Resp: 557101

Ion Ratio Lower Upper

76 100

78 8.9 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

200000

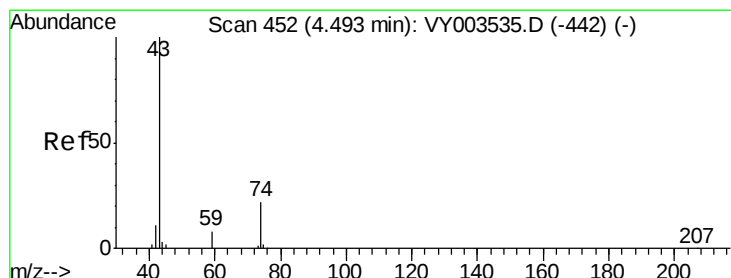
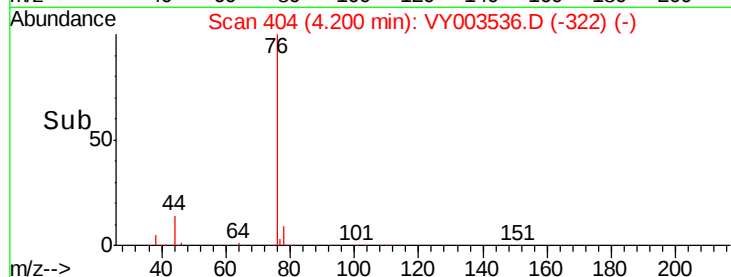
150000

100000

50000

0

Time-->



#15

Methyl Acetate

Concen: 52.342 ug/L

RT: 4.49 min Scan# 451

Delta R.T. -0.01 min

Lab File: VY003536.D

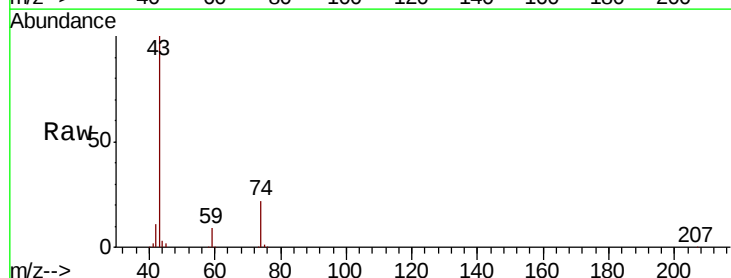
Acq: 18 Nov 2020 18:29

Tgt Ion: 43 Resp: 119914

Ion Ratio Lower Upper

43 100

74 22.4 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.49

40000

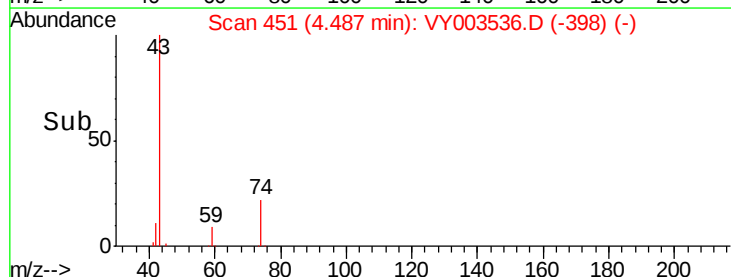
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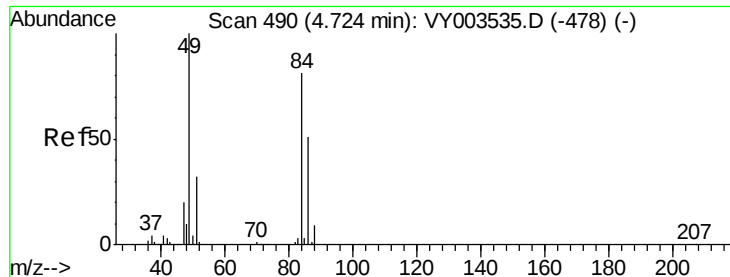
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10000

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Time-->

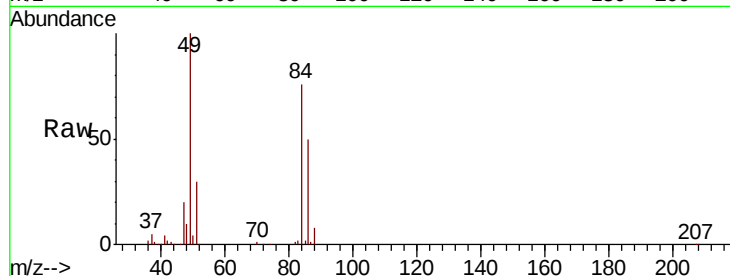




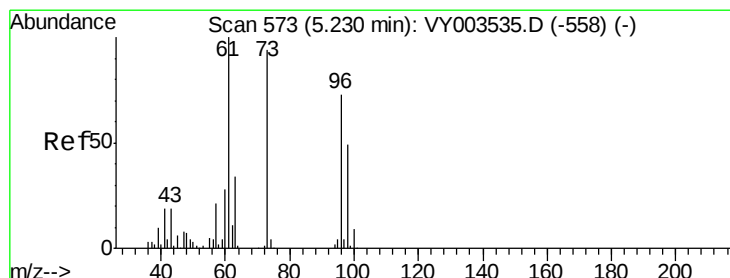
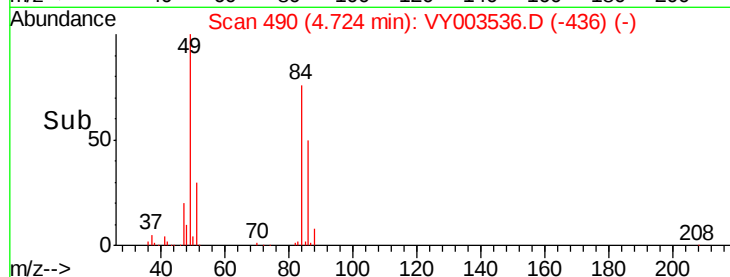
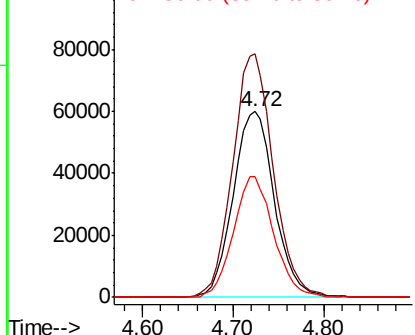
#16
Methvlene chloride
Concen: 49.123 ug/L
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003536.D
Acq: 18 Nov 2020 18:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTD05078

Tot Ion: 84 Resp: 189252
Ion Ratio Lower Upper
84 100
49 131.1 87.1 161.7
86 65.3 44.7 83.1

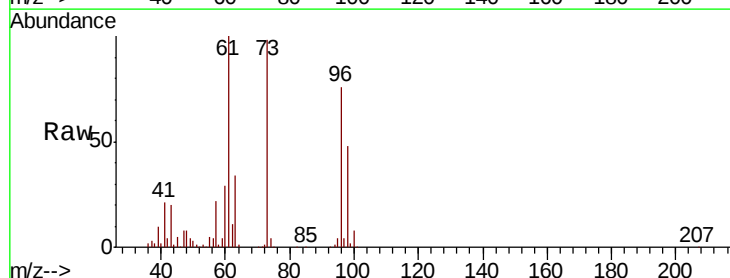


Abundance Ion 84.00 (83.70 to 84.70): VY0
Ion 49.00 (48.70 to 49.70): VY0
Ion 86.00 (85.70 to 86.70): VY0

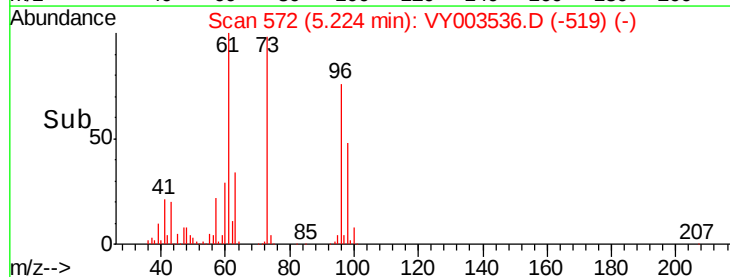
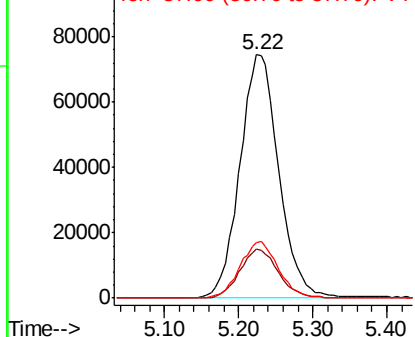


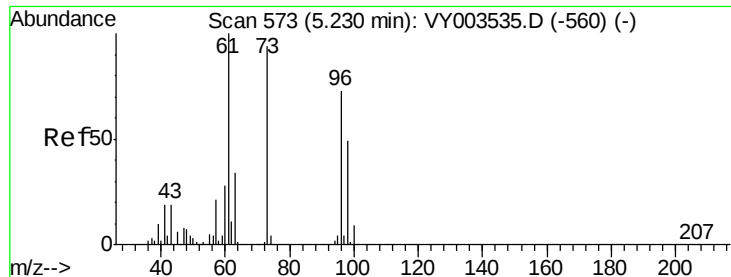
#17
Methyl tert-butyl Ether
Concen: 50.941 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003536.D
Acq: 18 Nov 2020 18:29

Tgt Ion: 73 Resp: 272478
Ion Ratio Lower Upper
73 100
43 19.8 16.0 24.0
57 22.8 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 57.00 (56.70 to 57.70): VY0





#18

trans-1,2-Dichloroethene

Concen: 51.012 ug/L

RT: 5.23 min Scan# 573

Delta R.T. 0.00 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05078

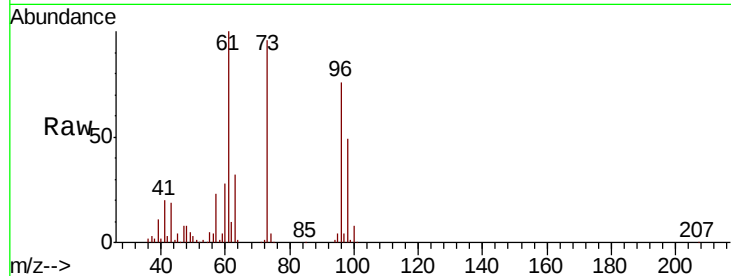
Tot Ion: 96 Resp: 179463

Ion Ratio Lower Upper

96 100

61 131.6 95.5 177.3

98 64.2 46.4 86.2

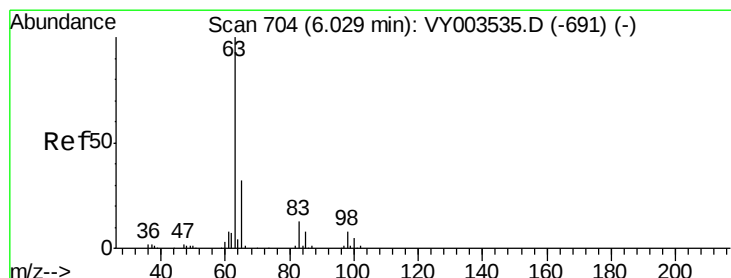
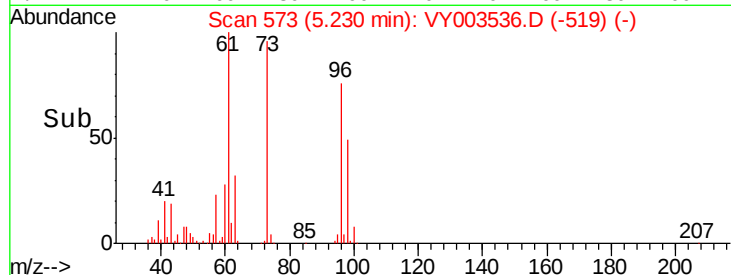
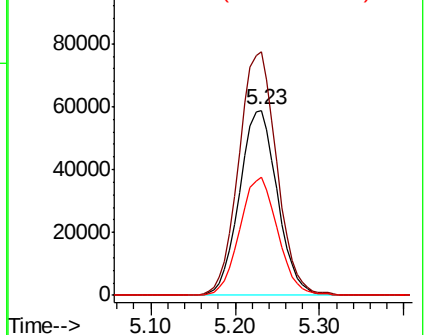


Abundance

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



#19

1,1-Dichloroethane

Concen: 51.053 ug/L

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

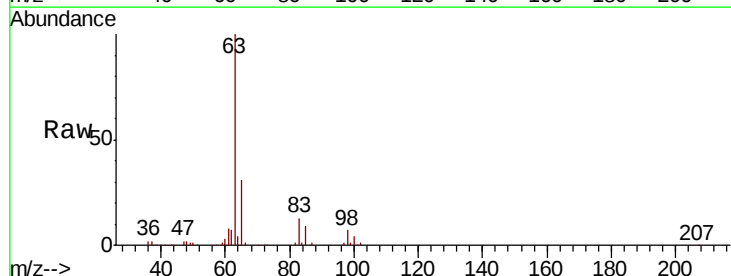
Tgt Ion: 63 Resp: 308180

Ion Ratio Lower Upper

63 100

65 31.3 22.1 41.1

83 13.1 9.4 17.6

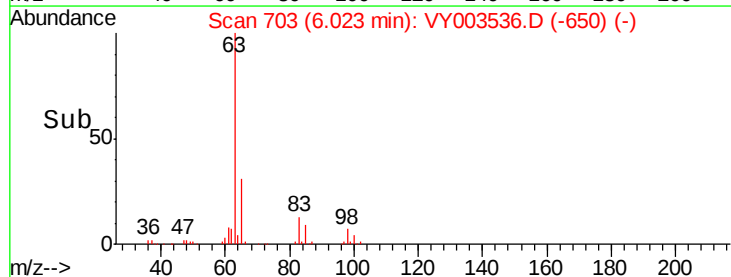
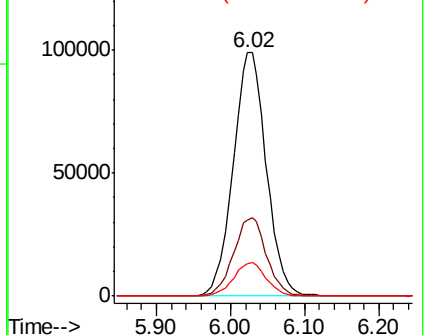


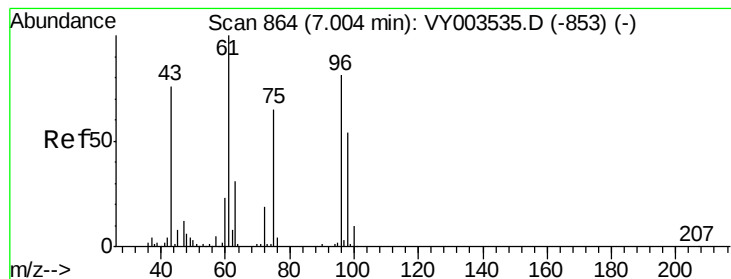
Abundance

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: 101.940 ug/L

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

Instrument :

MSVOA_Y

ClientSampleId :

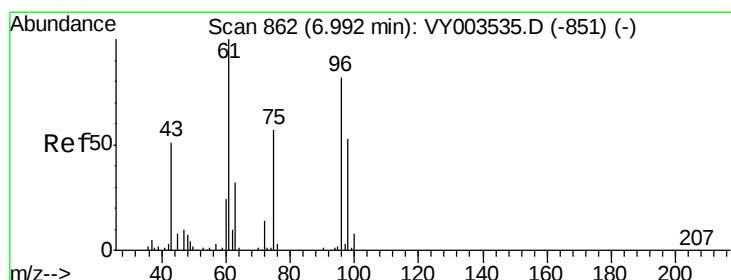
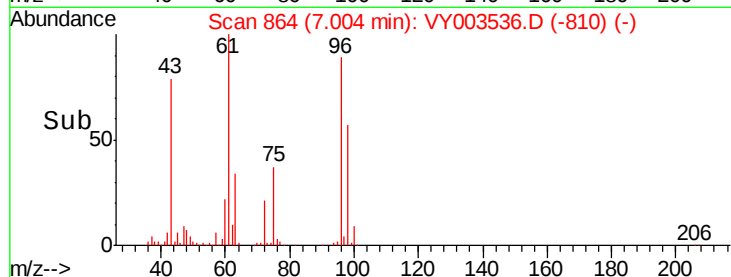
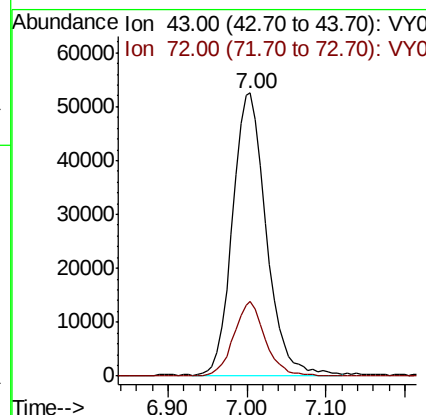
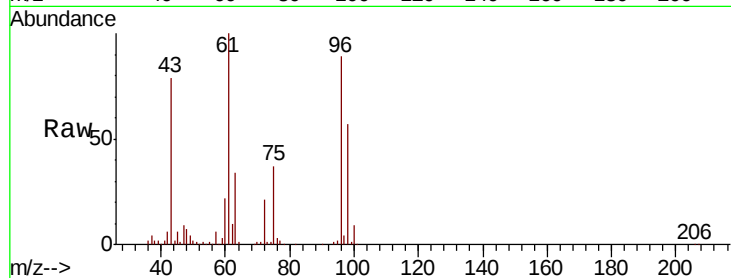
VSTD05078

Tot Ion: 43 Resp: 156611

Ion Ratio Lower Upper

43 100

72 24.4 12.6 37.6



#22

cis-1,2-Dichloroethene

Concen: 51.473 ug/L

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

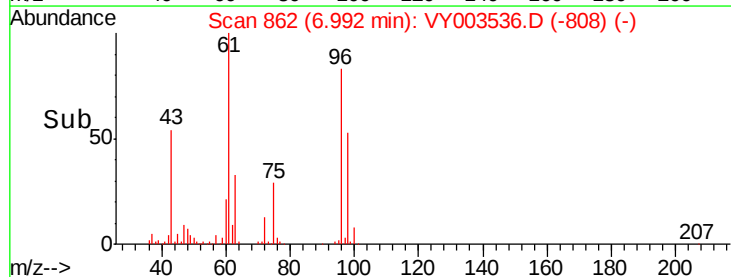
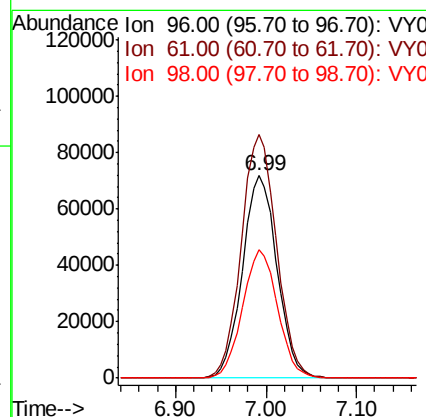
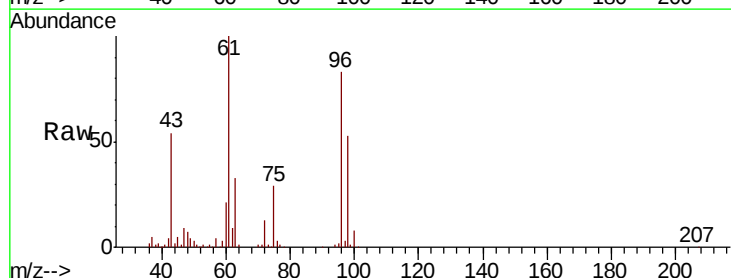
Tgt Ion: 96 Resp: 190259

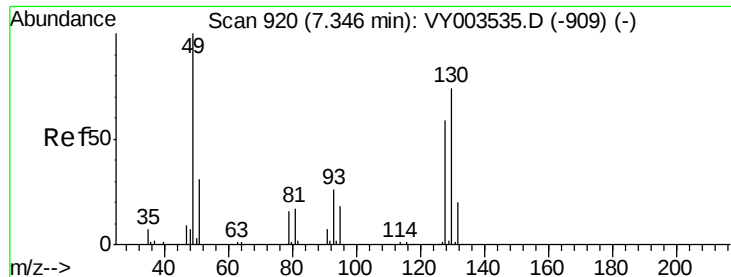
Ion Ratio Lower Upper

96 100

61 120.5 85.3 158.3

98 63.5 44.9 83.3

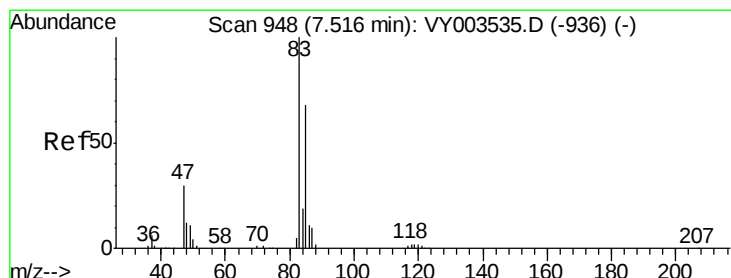
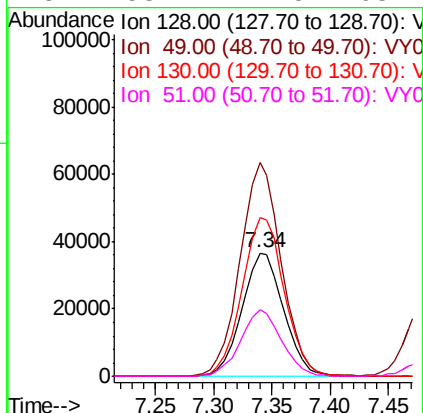
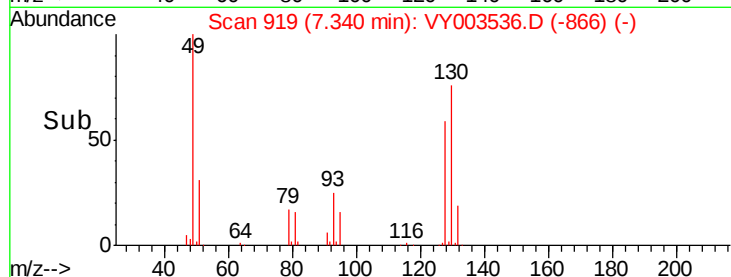
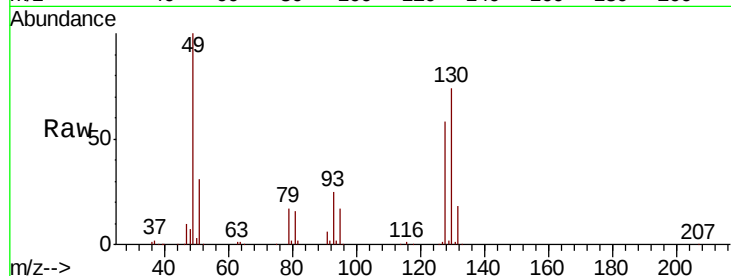




#23
Bromochloromethane
Concen: 50.280 ug/L
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY003536.D
Acq: 18 Nov 2020 18:29

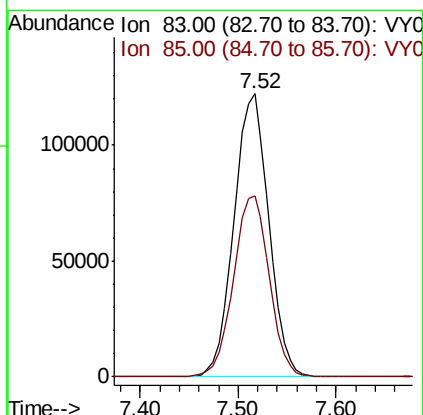
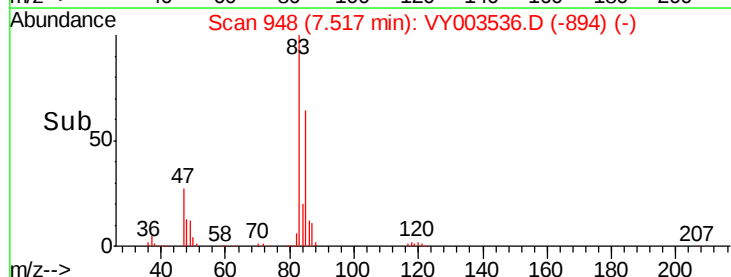
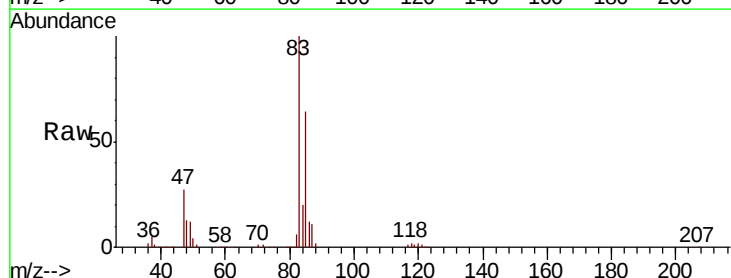
Instrument :
MSVOA_Y
ClientSampleId :
VSTD05078

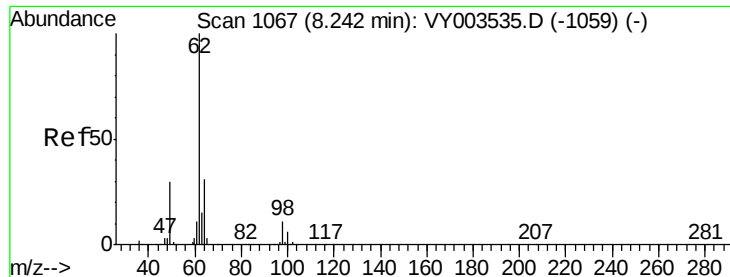
Tot Ion:128 Resp: 90931
Ion Ratio Lower Upper
128 100
49 173.5 118.8 220.6
130 128.5 87.8 163.0
51 53.7 42.5 63.7



#25
Chloroform
Concen: 51.427 ug/L
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY003536.D
Acq: 18 Nov 2020 18:29

Tgt Ion: 83 Resp: 302126
Ion Ratio Lower Upper
83 100
85 65.6 46.2 85.8





#27

1,2-Dichloroethane

Concen: 50.805 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

Instrument :

MSVOA_Y

ClientSampleId :

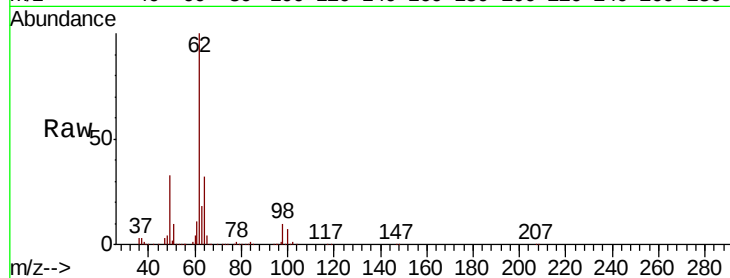
VSTD05078

Tot Ion: 62 Resp: 204677

Ion Ratio Lower Upper

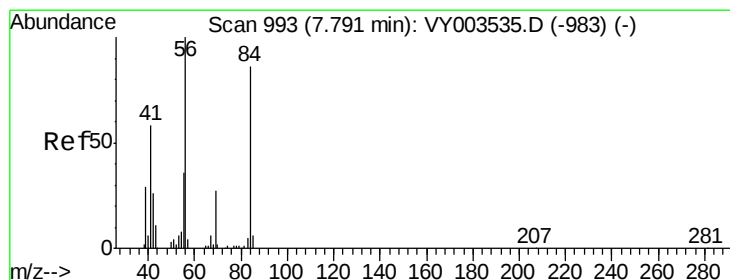
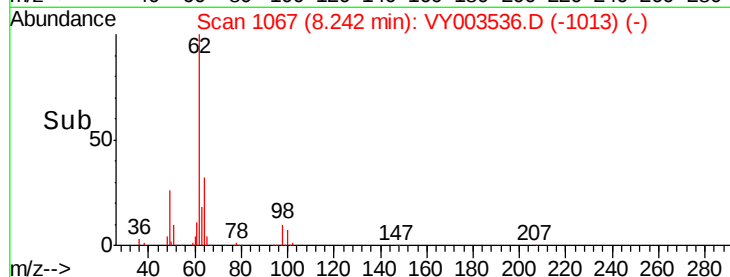
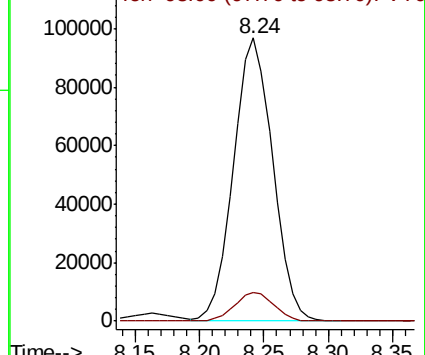
62 100

98 10.2 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: 52.434 ug/L

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

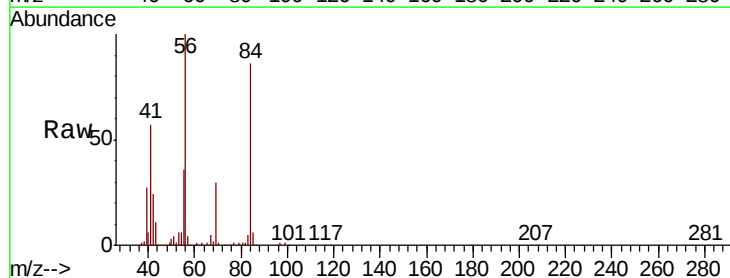
Tgt Ion: 56 Resp: 276937

Ion Ratio Lower Upper

56 100

69 28.7 22.9 34.3

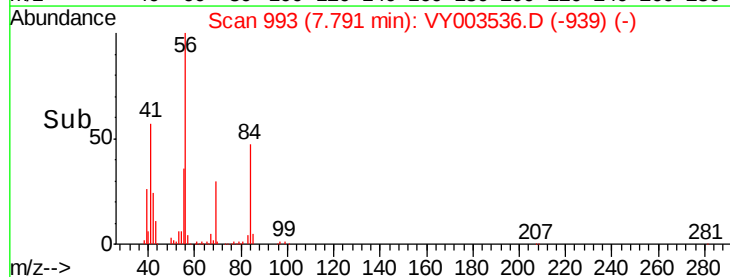
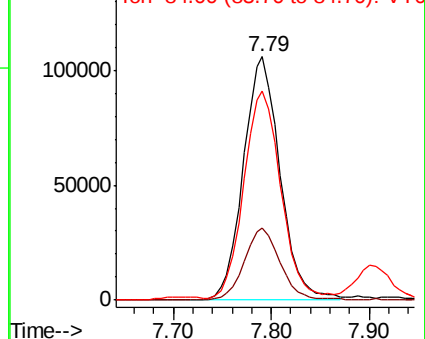
84 86.1 69.8 104.8

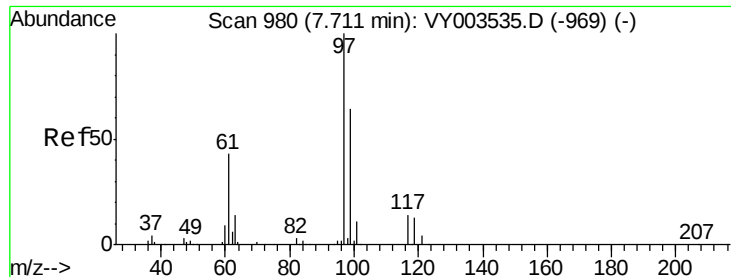


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#31

1,1,1-Trichloroethane

Concen: 50.374 ug/L

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05078

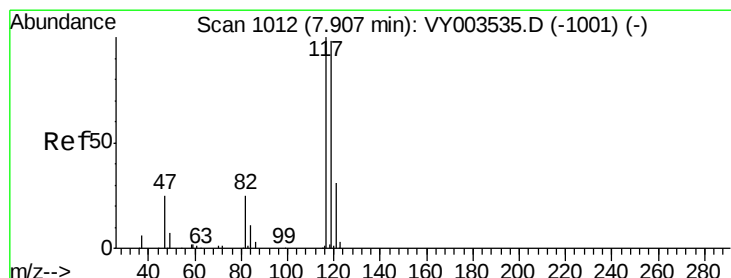
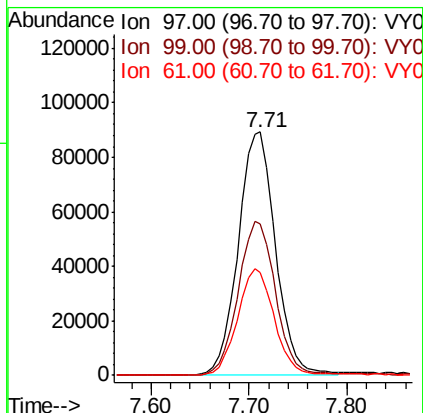
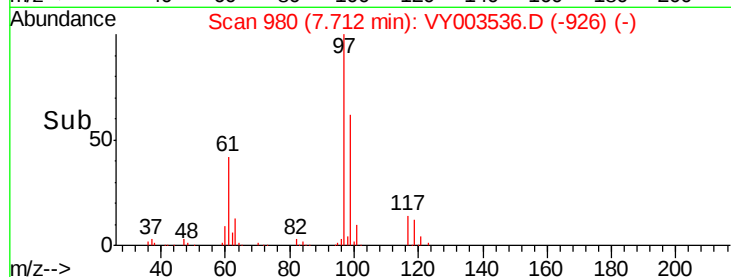
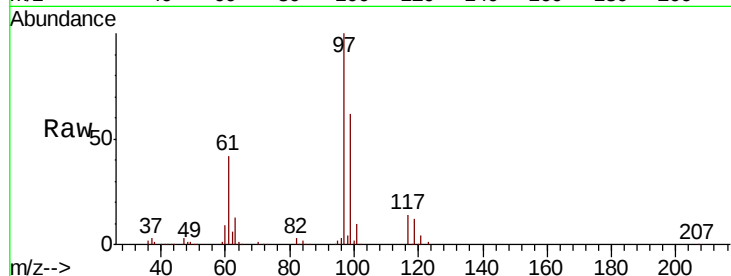
Tot Ion: 97 Resp: 235809

Ion Ratio Lower Upper

97 100

99 63.7 49.5 74.3

61 42.7 33.8 50.6



#32

Carbon tetrachloride

Concen: 52.077 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VY003536.D

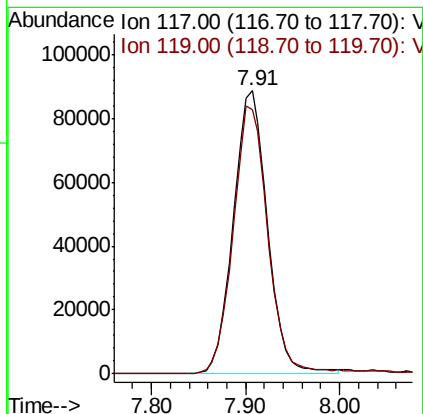
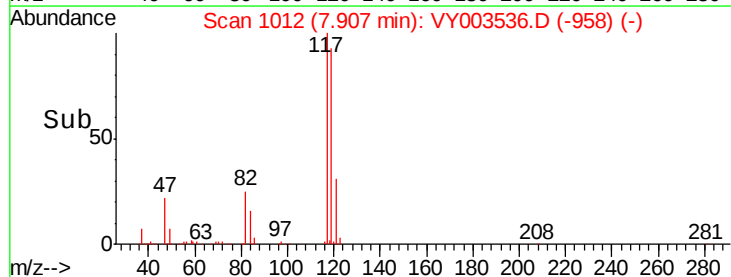
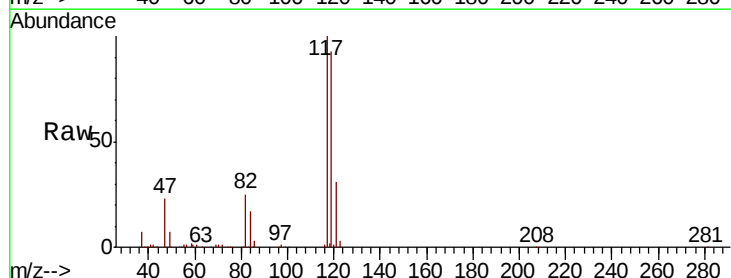
Acq: 18 Nov 2020 18:29

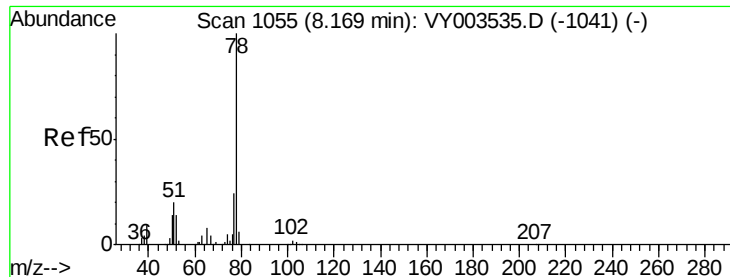
Tgt Ion: 117 Resp: 222561

Ion Ratio Lower Upper

117 100

119 95.0 78.1 117.1





#34

Benzene

Concen: 50.184 ug/L

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

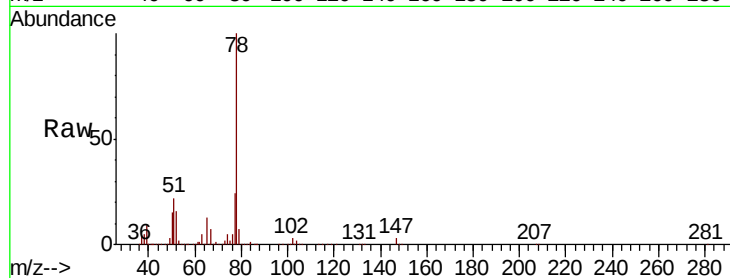
Instrument :

MSVOA_Y

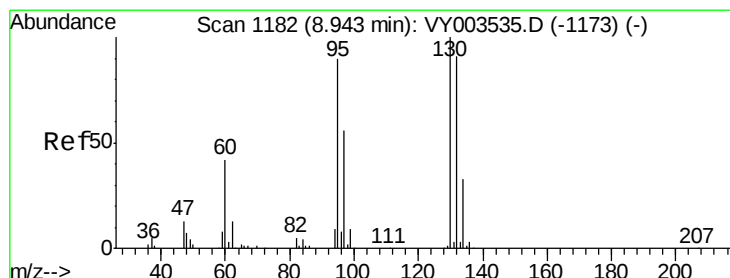
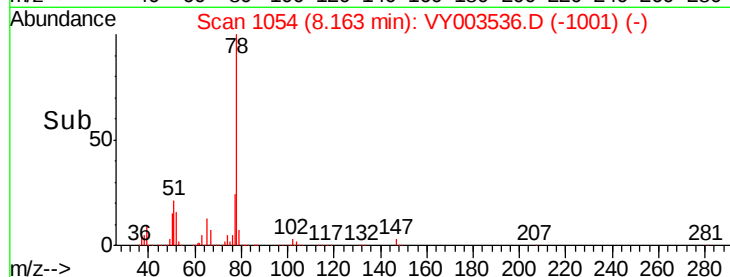
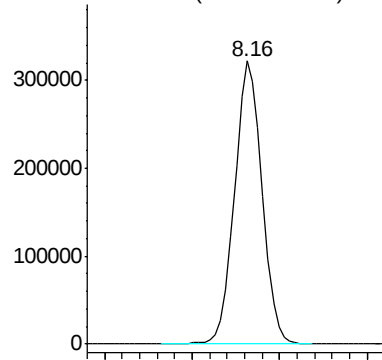
ClientSampleId :

VSTD05078

Tgt Ion: 78 Resp: 707592



Abundance Ion 78.00 (77.70 to 78.70): VY0



#35

Trichloroethene

Concen: 50.740 ug/L

RT: 8.94 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

Tgt Ion: 95 Resp: 176287

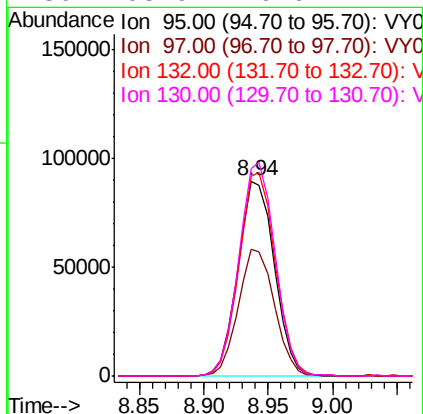
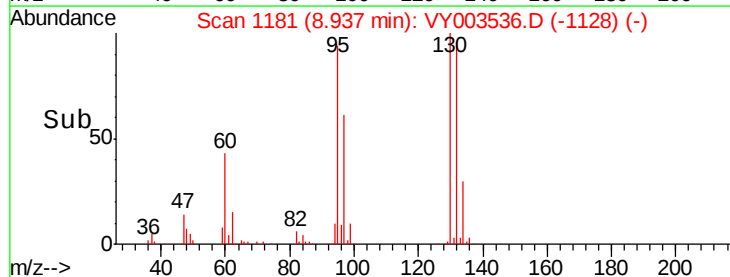
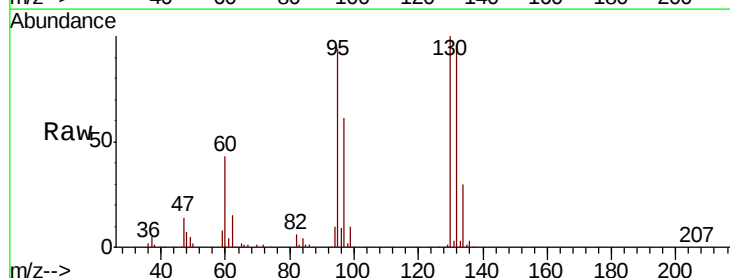
Ion	Ratio	Lower	Upper
95	100		
97	64.5	44.8	83.2
132	103.8	72.2	134.0
130	108.9	76.6	142.2

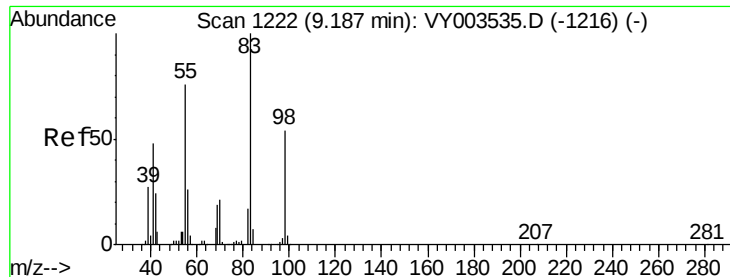
Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

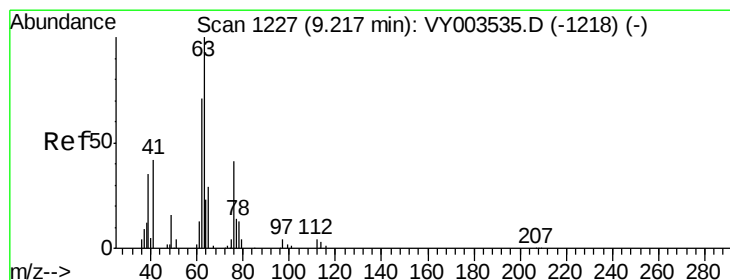
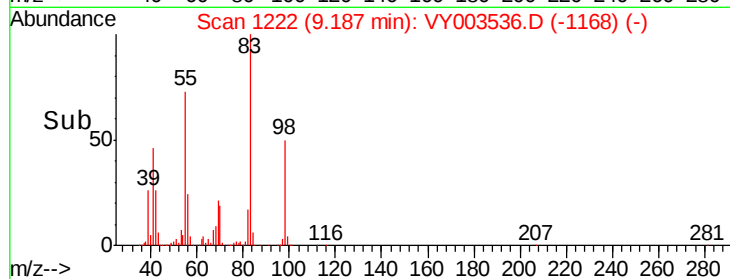
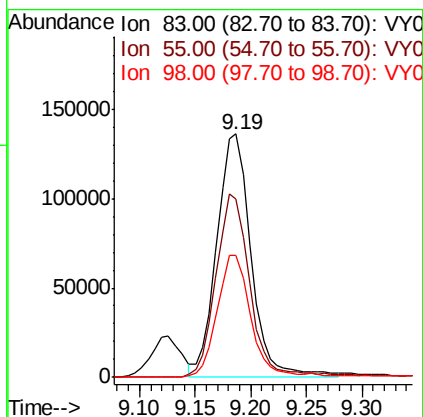
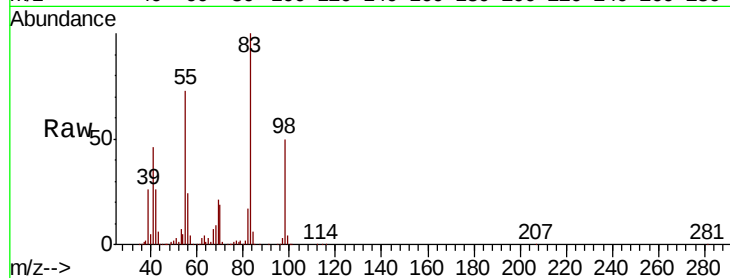




#36
Methylcyclohexane
Concen: 57.443 ug/L
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY003536.D
Acq: 18 Nov 2020 18:29

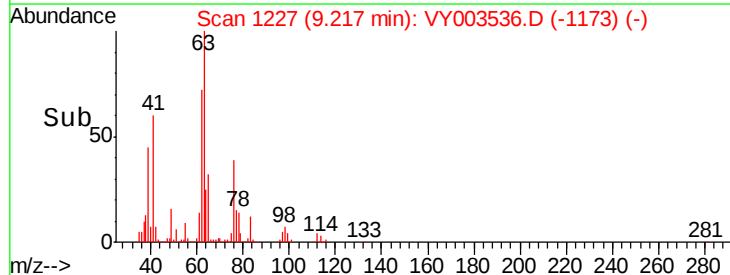
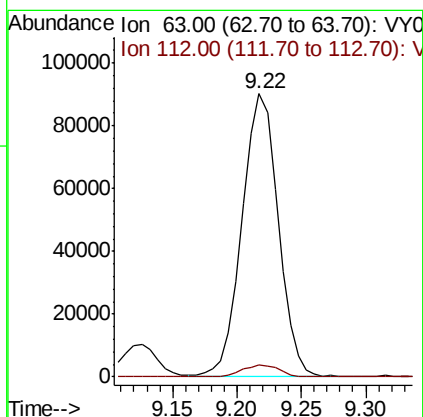
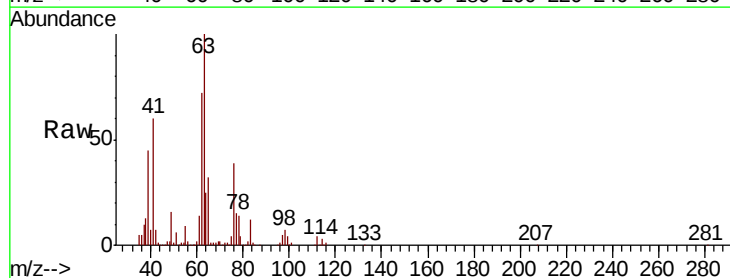
Instrument :
MSVOA_Y
ClientSampleId :
VSTD05078

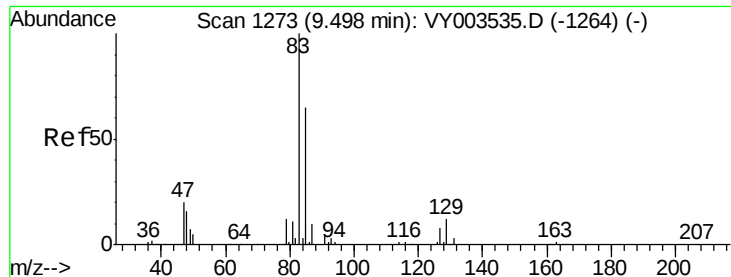
Tot Ion: 83 Resp: 293092
Ion Ratio Lower Upper
83 100
55 73.1 63.4 95.0
98 47.9 43.3 64.9



#40
1,2-Dichloropropane
Concen: 50.049 ug/L
RT: 9.22 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VY003536.D
Acq: 18 Nov 2020 18:29

Tgt Ion: 63 Resp: 176351
Ion Ratio Lower Upper
63 100
112 4.3 3.4 5.2





#41

Bromodichloromethane

Concen: 51.944 ug/L

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05078

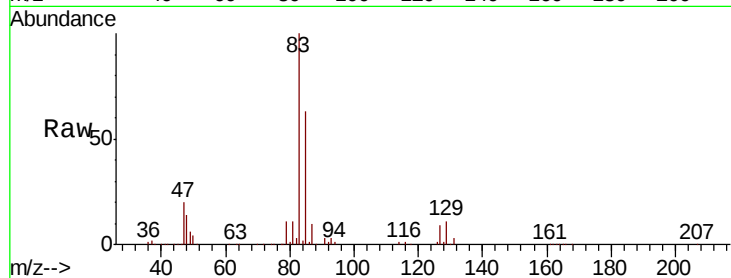
Tot Ion: 83 Resp: 229594

Ion Ratio Lower Upper

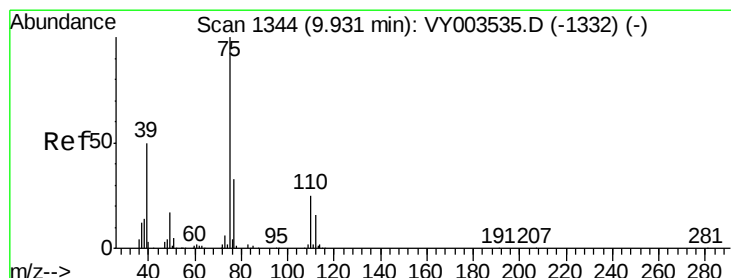
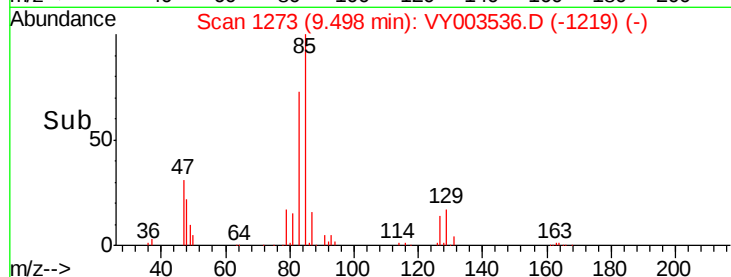
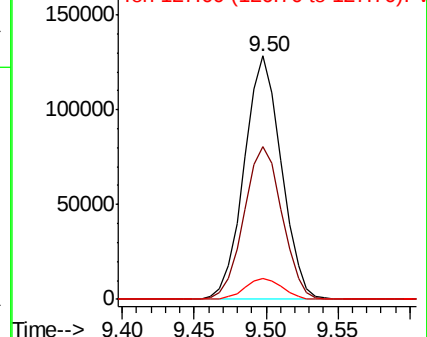
83 100

85 62.7 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): VY0



#42

cis-1,3-Dichloropropene

Concen: 52.219 ug/L

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY003536.D

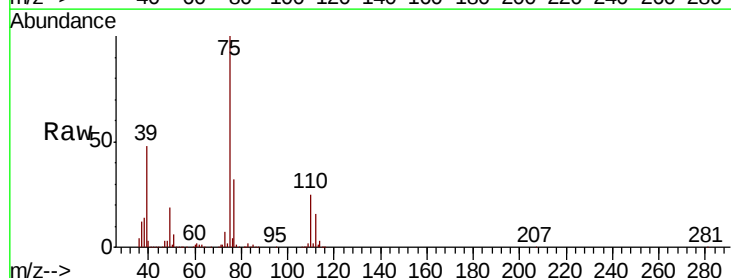
Acq: 18 Nov 2020 18:29

Tgt Ion: 75 Resp: 289623

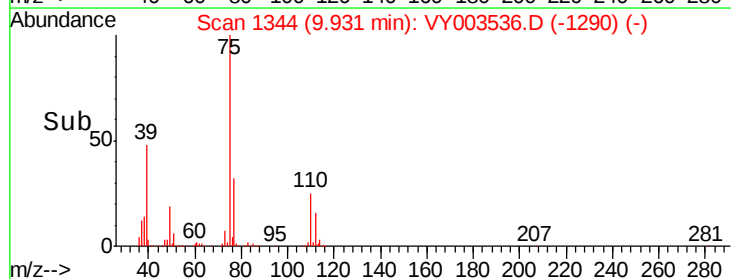
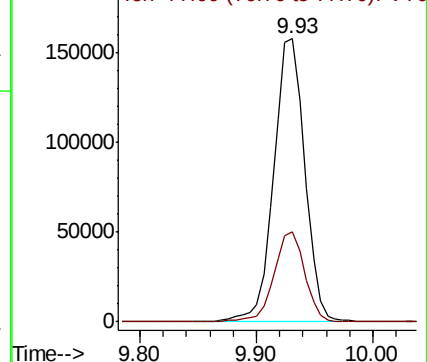
Ion Ratio Lower Upper

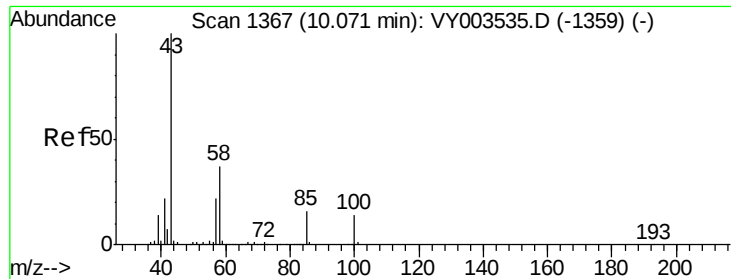
75 100

77 32.0 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: 108.856 ug/L

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05078

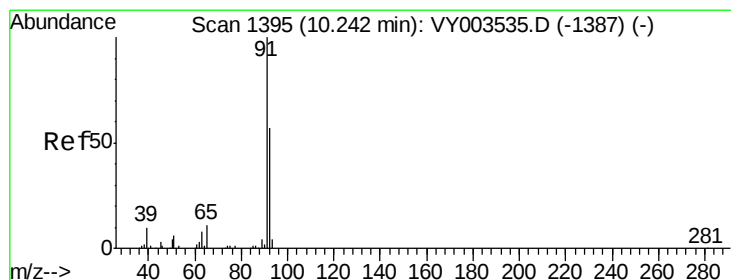
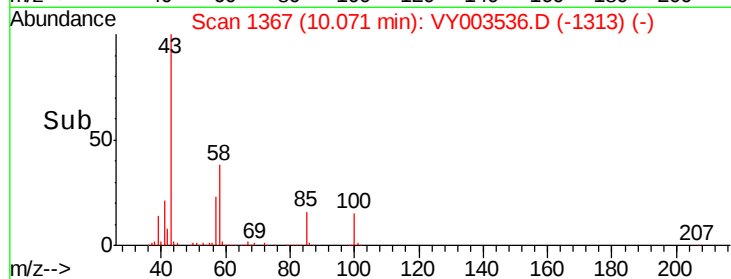
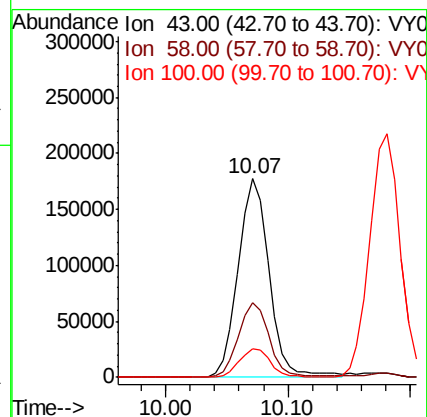
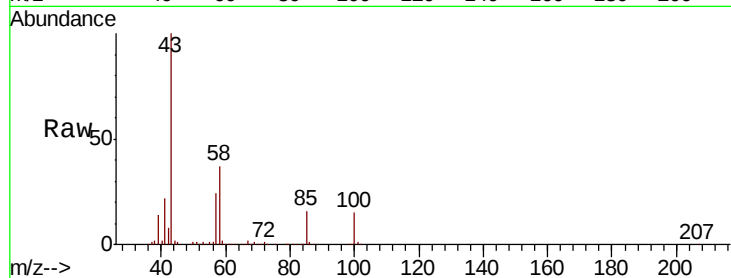
Tot Ion: 43 Resp: 311986

Ion Ratio Lower Upper

43 100

58 37.6 30.2 45.4

100 14.5 12.0 18.0



#44

Toluene

Concen: 51.741 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY003536.D

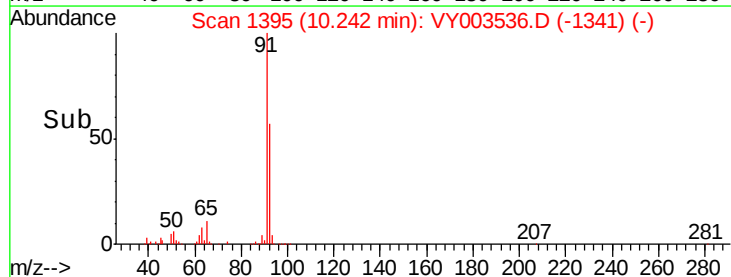
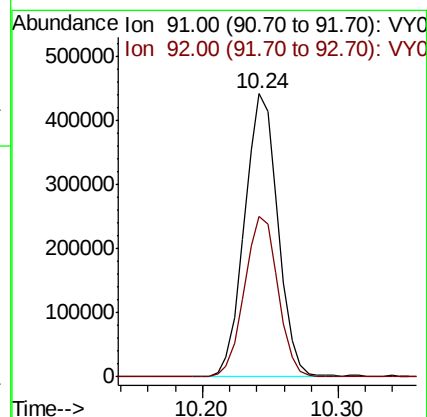
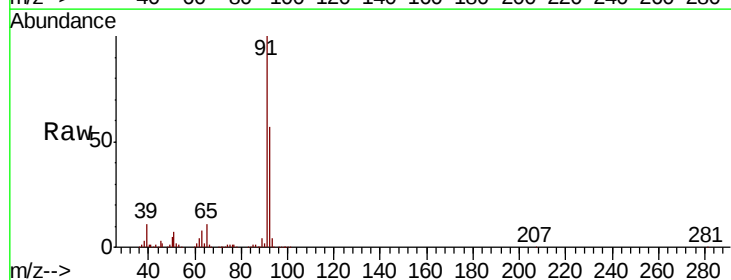
Acq: 18 Nov 2020 18:29

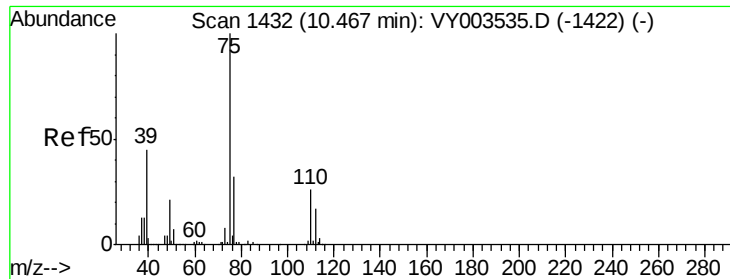
Tgt Ion: 91 Resp: 759386

Ion Ratio Lower Upper

91 100

92 56.9 39.8 74.0





#45

trans-1,3-Dichloropropene

Concen: 52.517 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

Instrument :

MSVOA_Y

ClientSampleId :

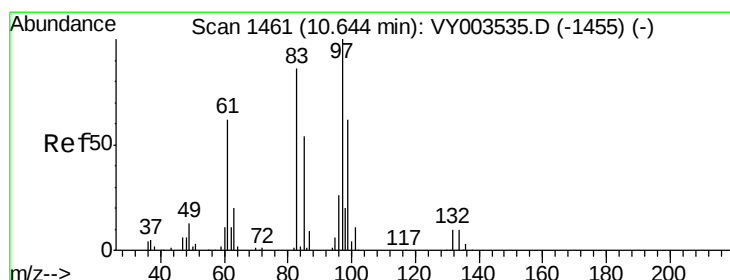
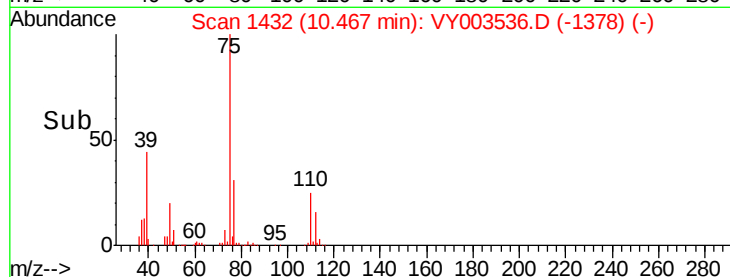
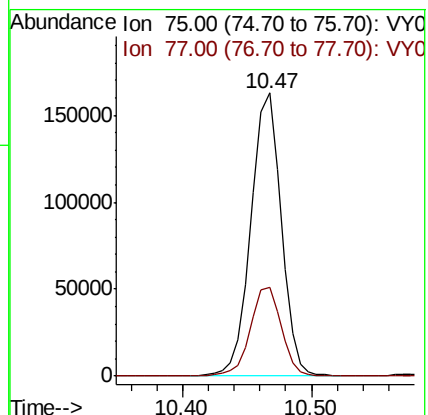
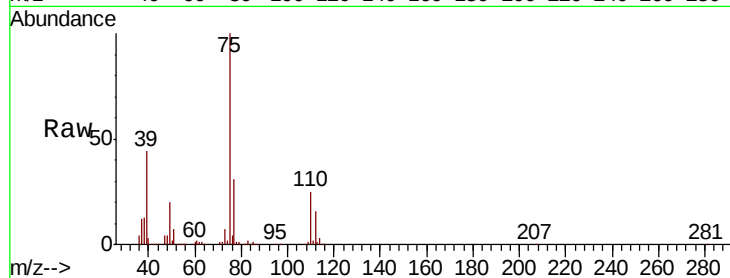
VSTD05078

Tot Ion: 75 Resp: 265064

Ion Ratio Lower Upper

75 100

77 31.2 22.6 42.0



#46

1,1,2-Trichloroethane

Concen: 51.074 ug/L

RT: 10.64 min Scan# 1461

Delta R.T. 0.00 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

Tgt Ion: 97 Resp: 144369

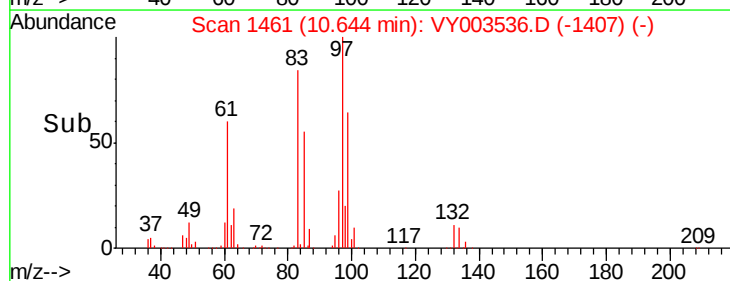
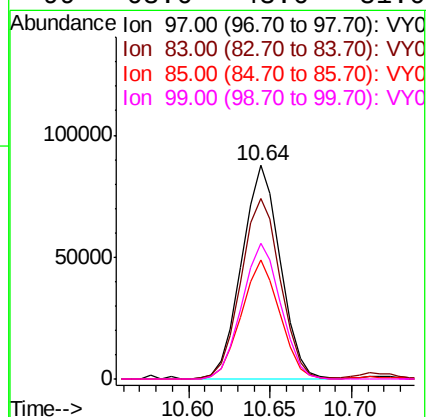
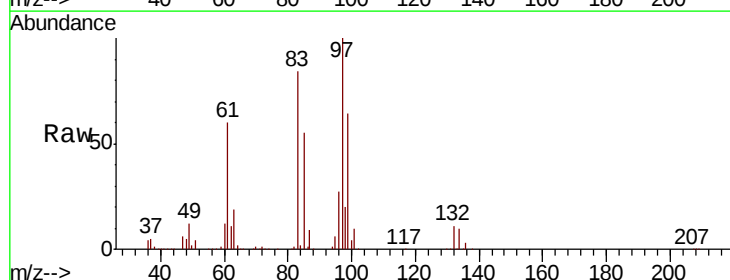
Ion Ratio Lower Upper

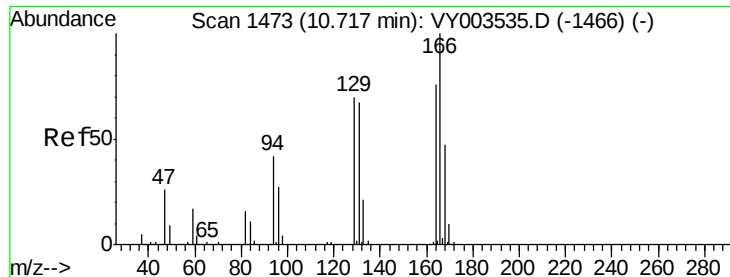
97 100

83 84.3 60.1 111.5

85 55.5 37.5 69.7

99 63.6 43.6 81.0

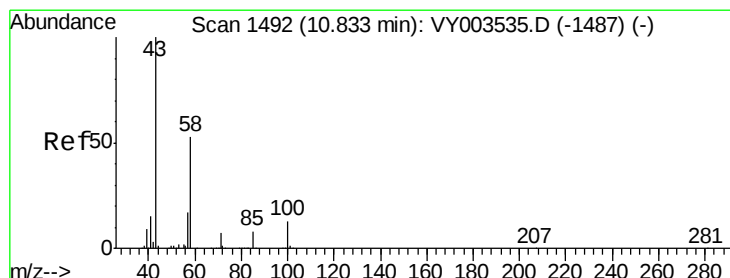
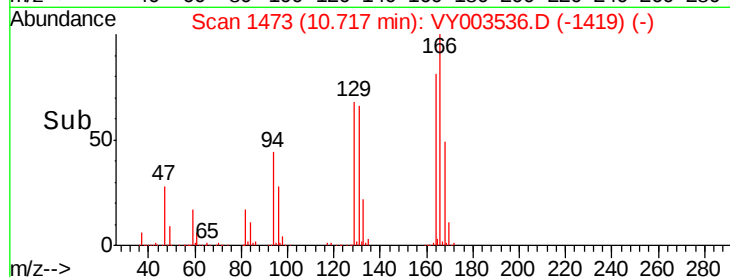
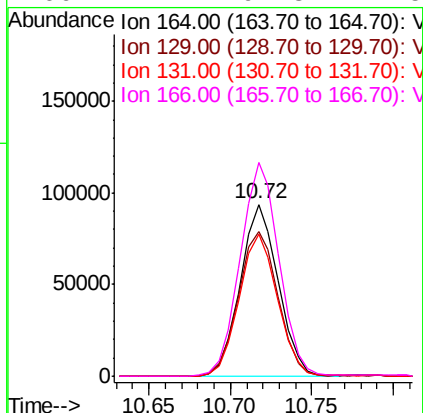
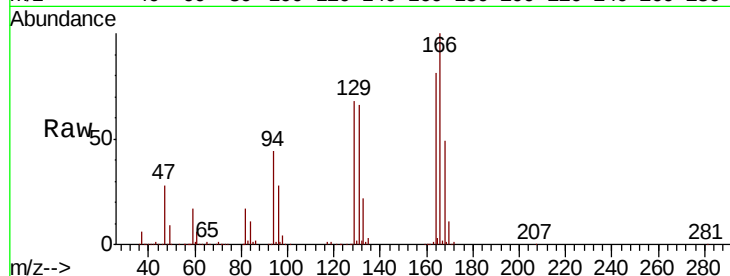




#47
Tetrachloroethene
Concen: 51.411 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY003536.D
Acq: 18 Nov 2020 18:29

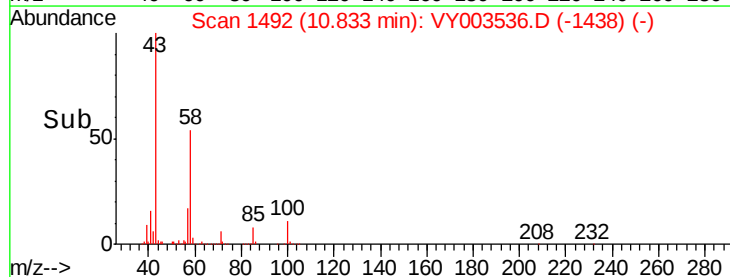
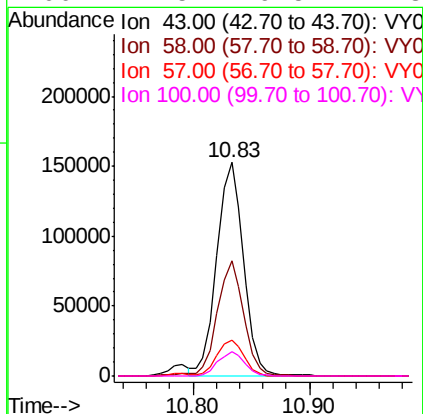
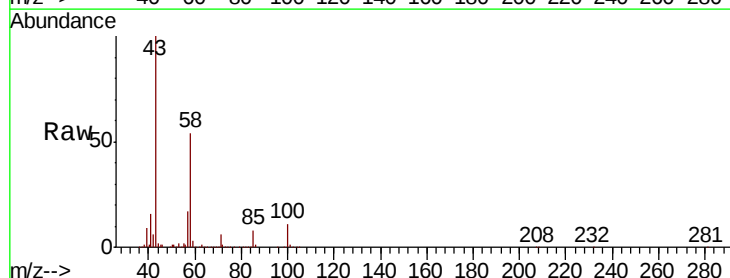
Instrument :
MSVOA_Y
ClientSampleId :
VSTD05078

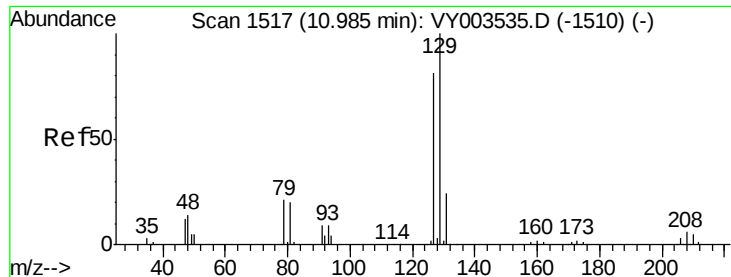
Tot Ion	Ratio	Lower	Upper
164	100		
129	84.1	64.3	119.3
131	82.6	61.7	114.5
166	124.2	92.3	171.5



#49
2-Hexanone
Concen: 105.663 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY003536.D
Acq: 18 Nov 2020 18:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.6	41.8	62.6
57	16.7	13.5	20.3
100	11.5	9.5	14.3





#50

Dibromochloromethane

Concen: 52.041 ug/L

RT: 10.99 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

Instrument :

MSVOA_Y

ClientSampleId :

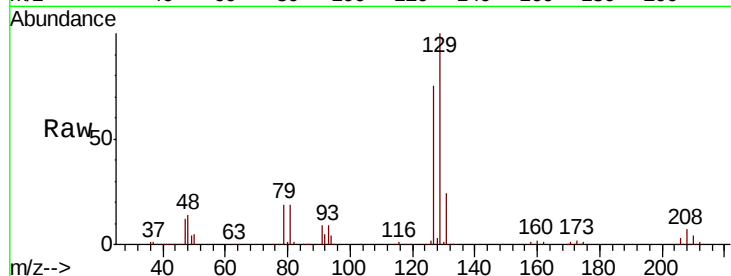
VSTD05078

Tot Ion:129 Resp: 174474

Ion Ratio Lower Upper

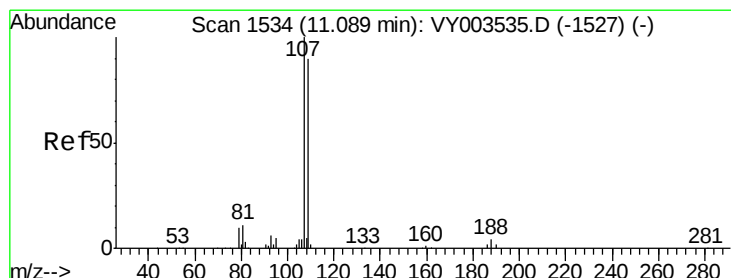
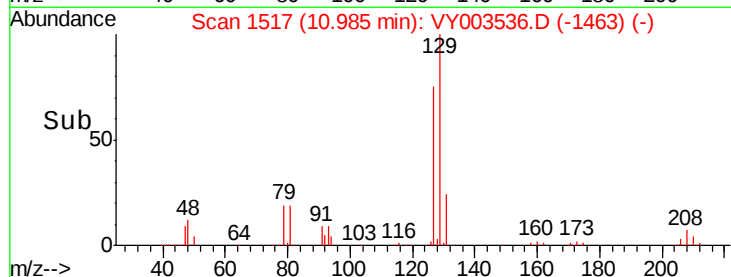
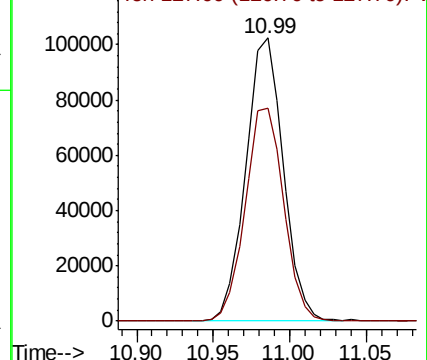
129 100

127 75.5 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: 52.179 ug/L

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

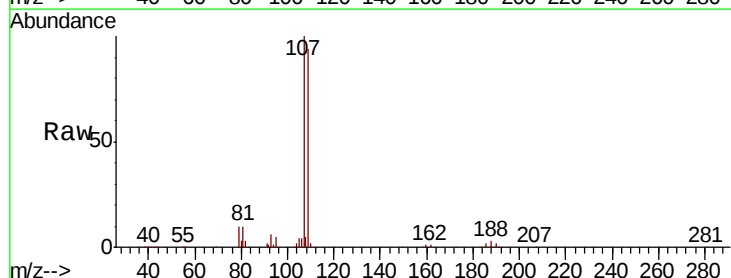
Tgt Ion:107 Resp: 145042

Ion Ratio Lower Upper

107 100

109 94.2 63.0 117.0

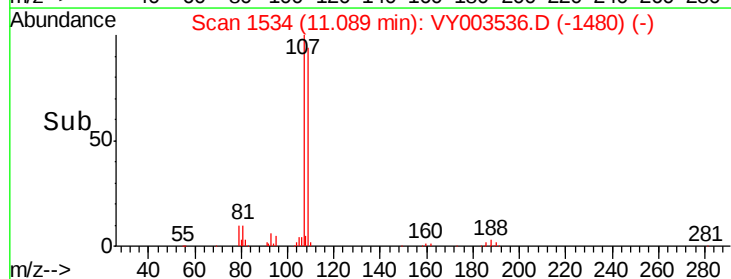
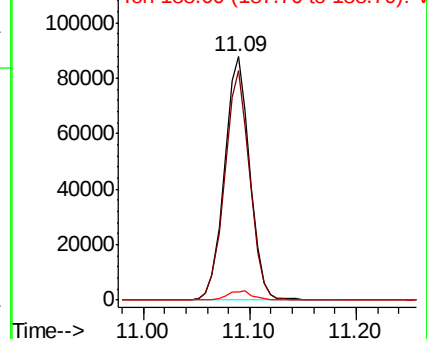
188 3.4 3.4 5.2#

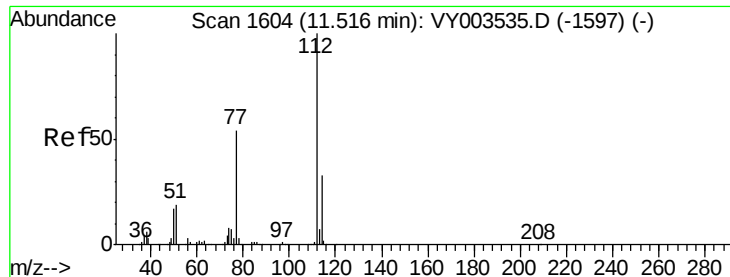


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 50.916 ug/L

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05078

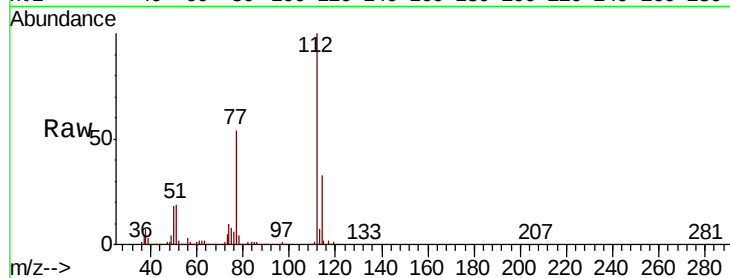
Tot Ion:112 Resp: 475134

Ion Ratio Lower Upper

112 100

77 54.0 43.6 65.4

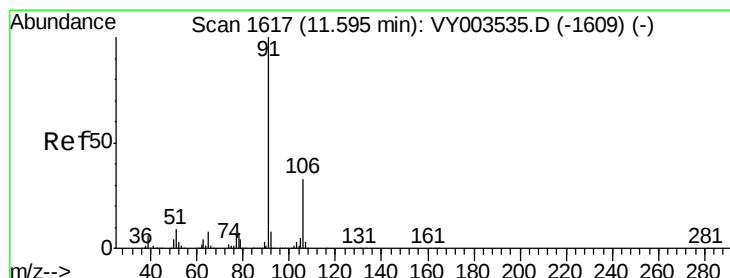
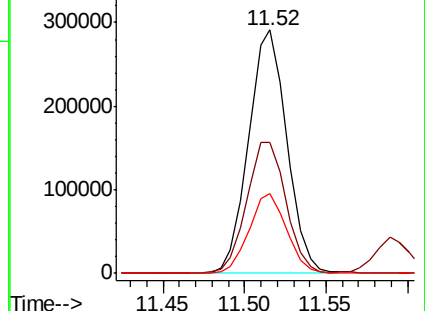
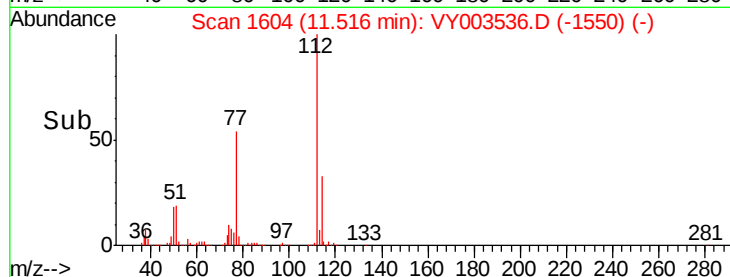
114 32.7 23.0 42.6



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: 52.163 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VY003536.D

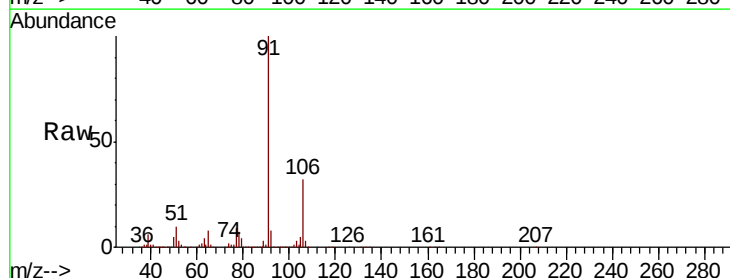
Acq: 18 Nov 2020 18:29

Tgt Ion: 91 Resp: 780695

Ion Ratio Lower Upper

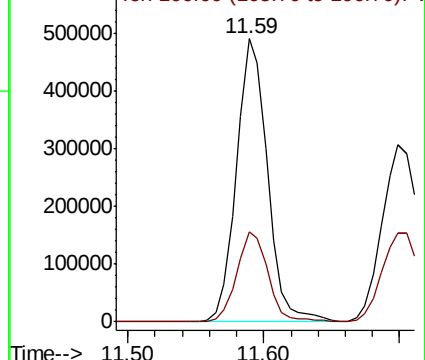
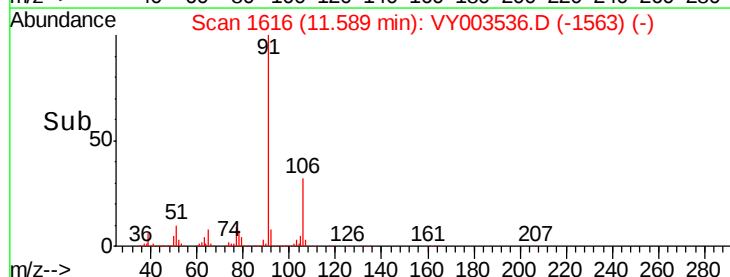
91 100

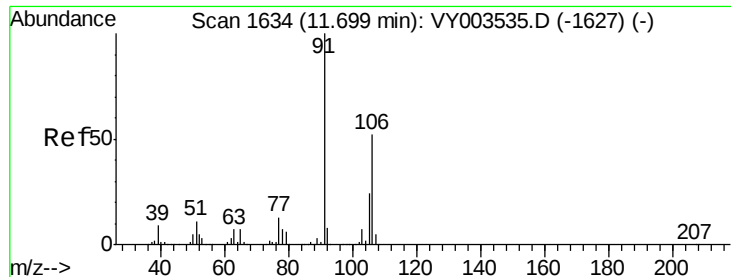
106 31.7 22.9 42.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 52.505 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

Instrument :

MSVOA_Y

ClientSampleId :

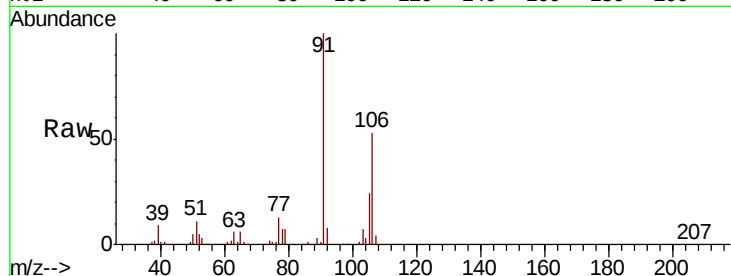
VSTD05078

Tot Ion:106 Resp: 301419

Ion Ratio Lower Upper

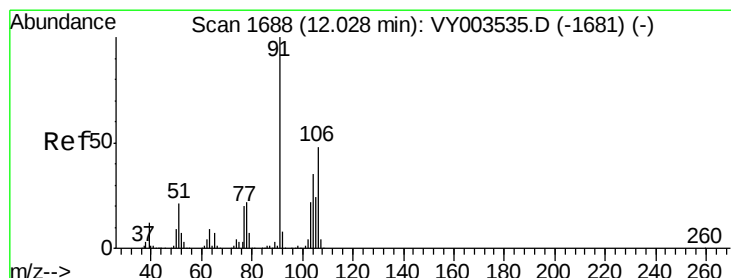
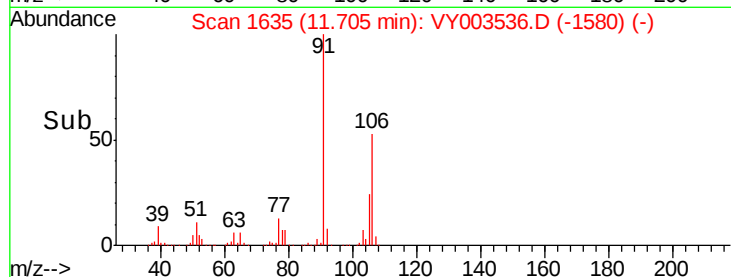
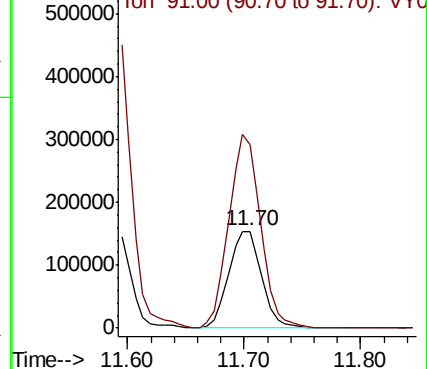
106 100

91 189.6 133.8 248.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

o-xylene

Concen: 53.886 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY003536.D

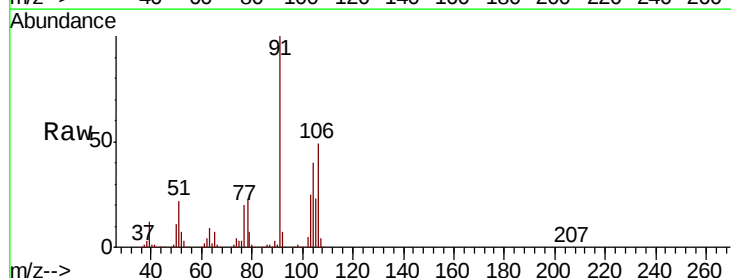
Acq: 18 Nov 2020 18:29

Tgt Ion:106 Resp: 258586

Ion Ratio Lower Upper

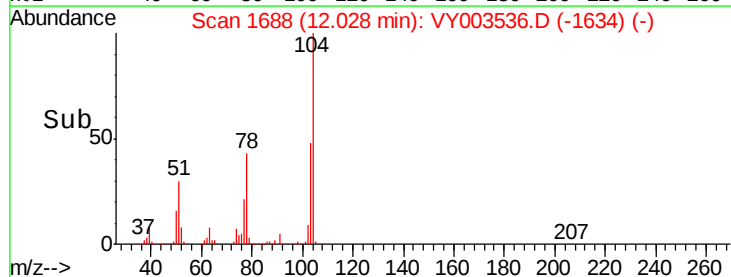
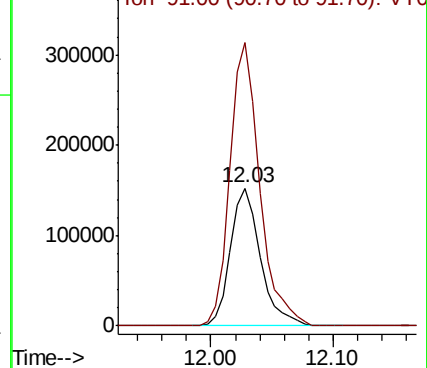
106 100

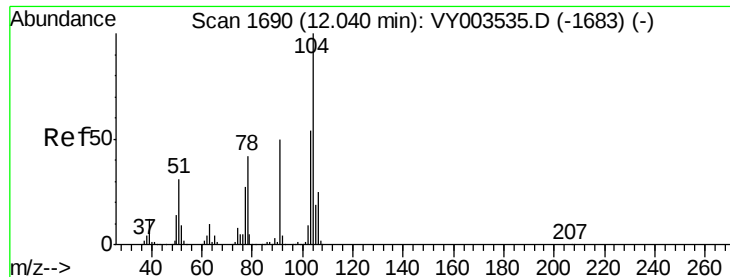
91 205.5 144.8 269.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#56

Stvrene

Concen: 52.255 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

Instrument :

MSVOA_Y

ClientSampleId :

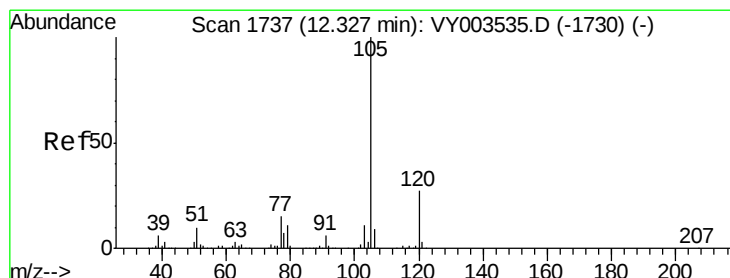
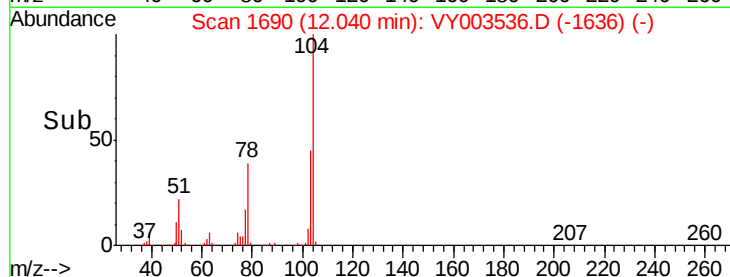
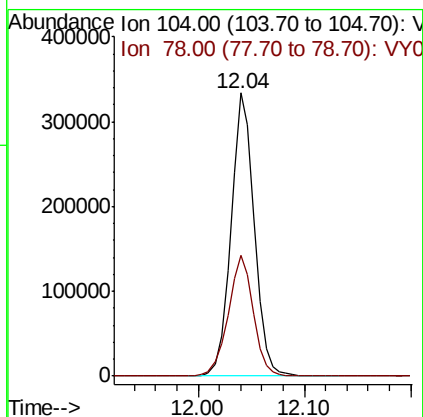
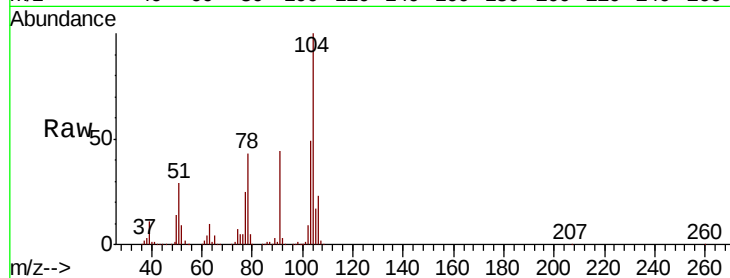
VSTD05078

Tot Ion:104 Resp: 508622

Ion Ratio Lower Upper

104 100

78 42.5 29.8 55.3



#57

Isopropylbenzene

Concen: 52.835 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

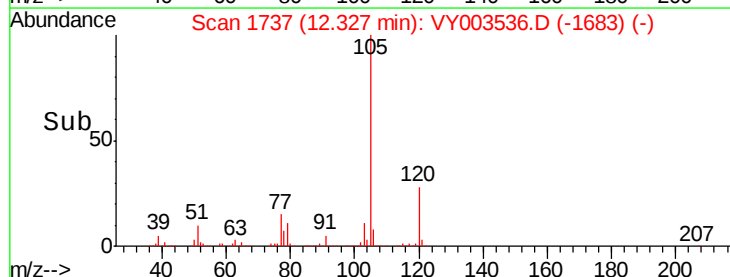
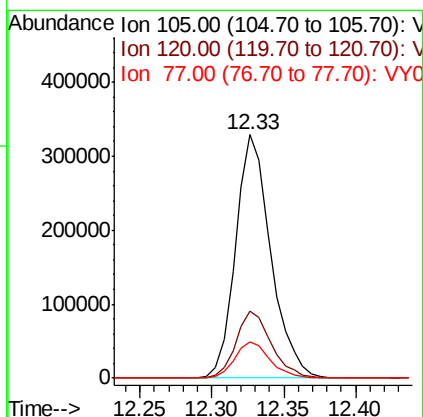
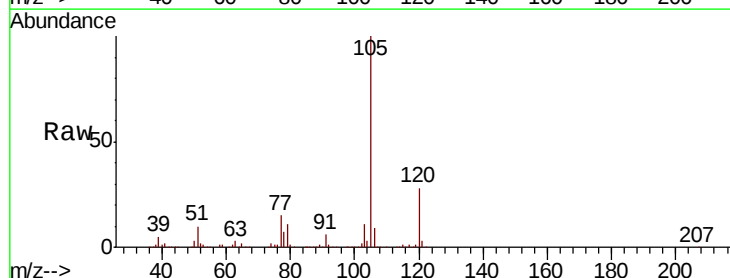
Tgt Ion:105 Resp: 557735

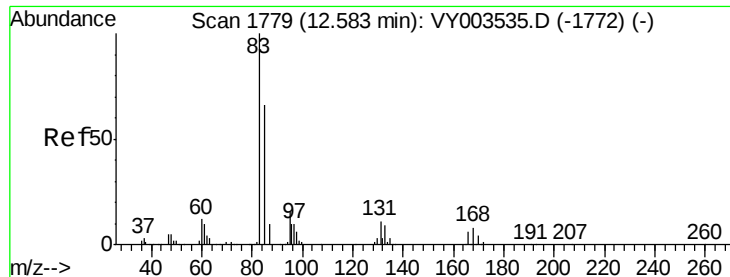
Ion Ratio Lower Upper

105 100

120 27.6 21.8 32.8

77 15.0 12.2 18.2





#58

1,1,2,2-Tetrachloroethane

Concen: 52.296 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05078

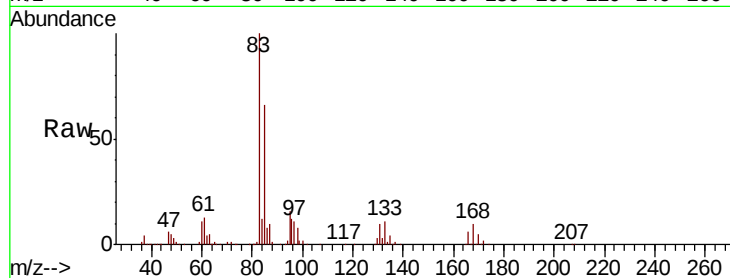
Tot Ion: 83 Resp: 166999

Ion Ratio Lower Upper

83 100

85 65.5 46.5 86.5

131 10.3 8.4 12.6



Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 85.00 (84.70 to 85.70): VY0
Ion 131.00 (130.70 to 131.70): V

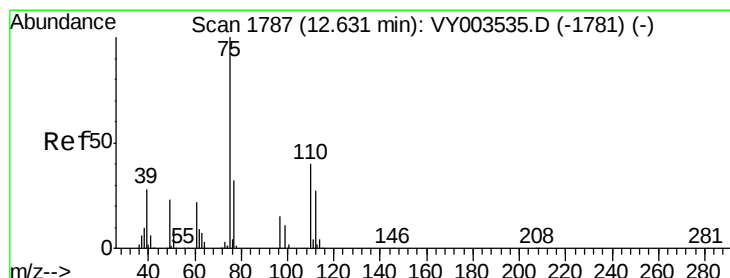
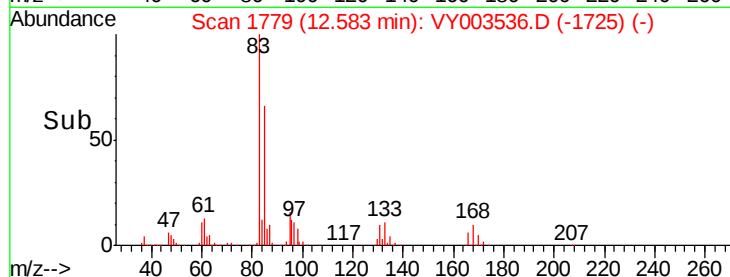
12.58

100000

50000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 52.976 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY003536.D

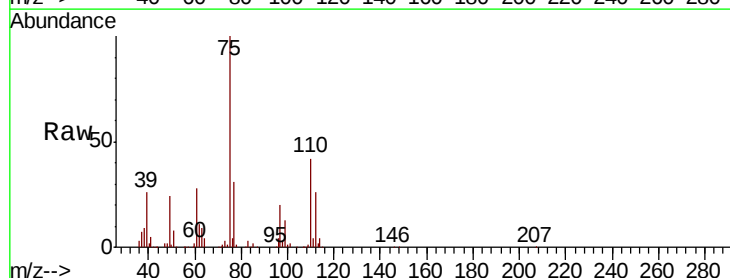
Acq: 18 Nov 2020 18:29

Tgt Ion: 75 Resp: 127359

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VY0
Ion 77.00 (76.70 to 77.70): VY0

12.63

80000

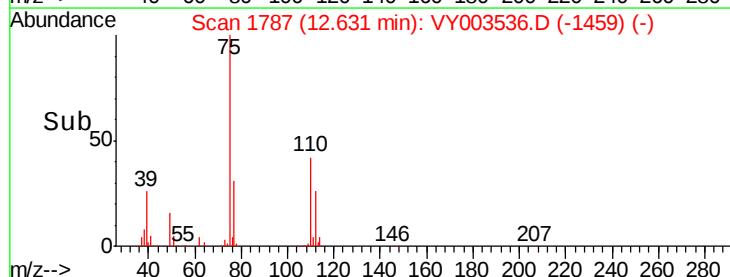
60000

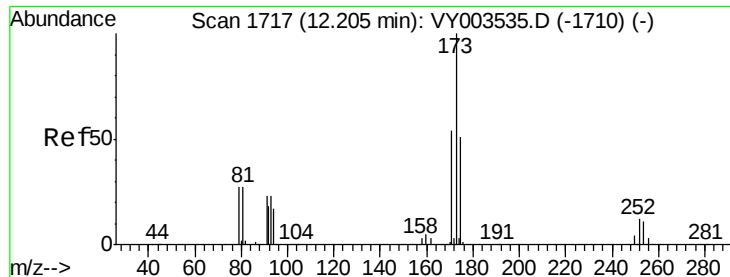
40000

20000

0

Time-->

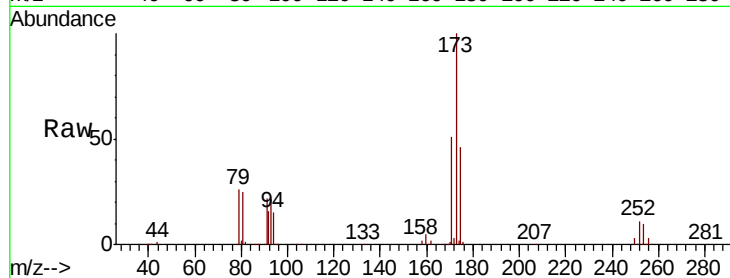




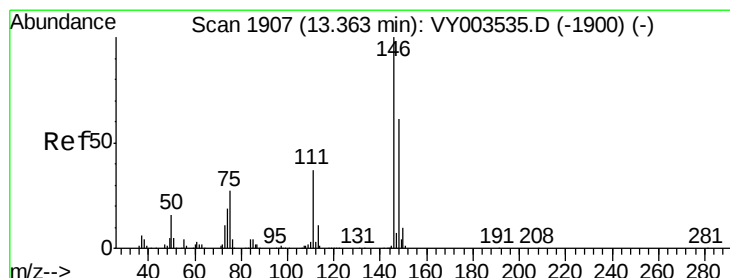
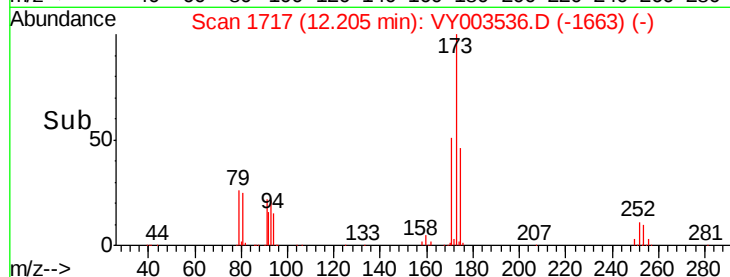
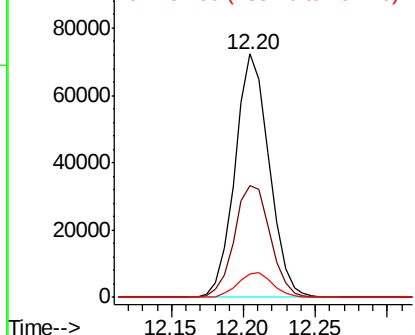
#62
Bromoform
Concen: 53.045 ug/L
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY003536.D
Acq: 18 Nov 2020 18:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTD05078

Tot Ion:173 Resp: 119313
Ion Ratio Lower Upper
173 100
175 48.4 39.3 58.9
254 10.2 8.6 12.8

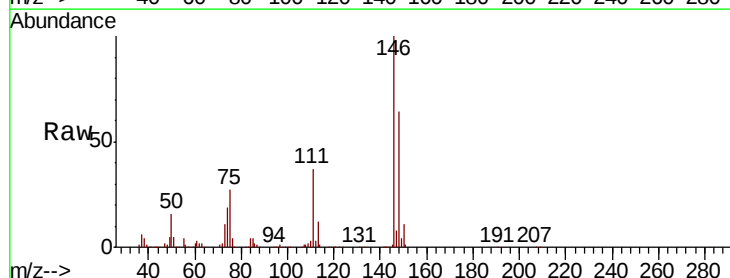


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

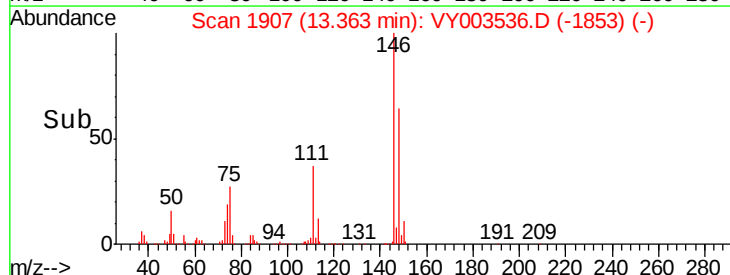
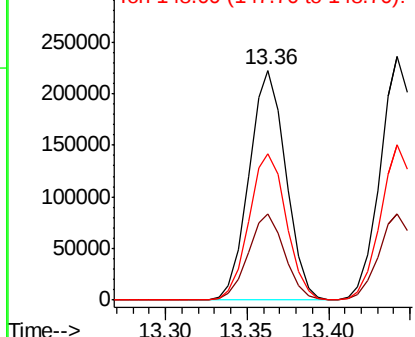


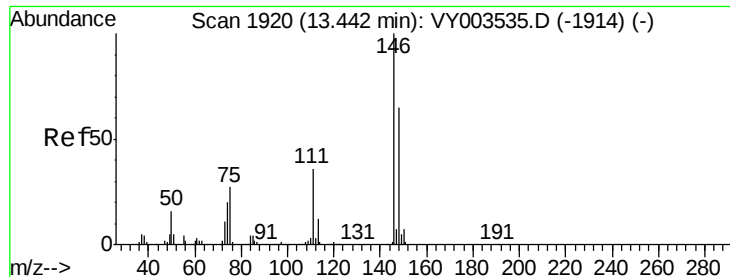
#63
1,3-Dichlorobenzene
Concen: 51.017 ug/L
RT: 13.36 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VY003536.D
Acq: 18 Nov 2020 18:29

Tgt Ion:146 Resp: 348635
Ion Ratio Lower Upper
146 100
111 37.5 26.2 48.8
148 63.7 43.0 79.8



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

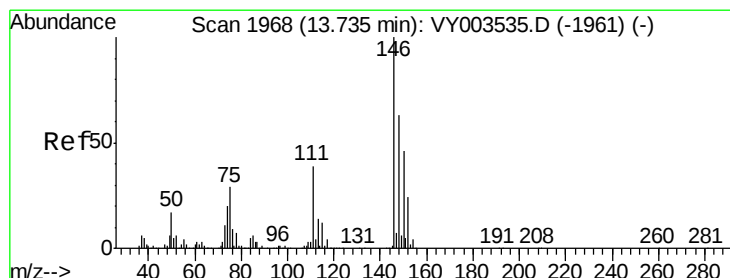
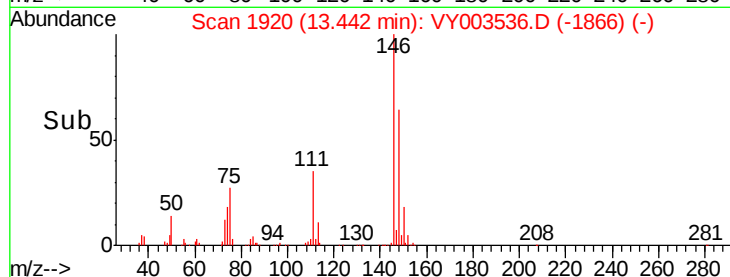
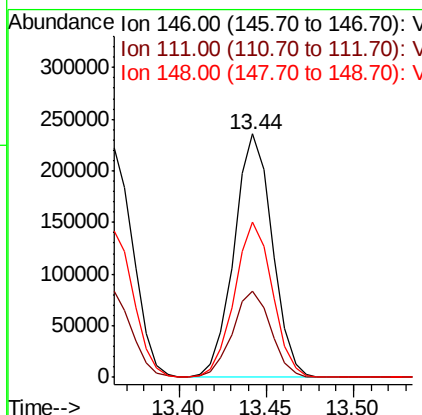
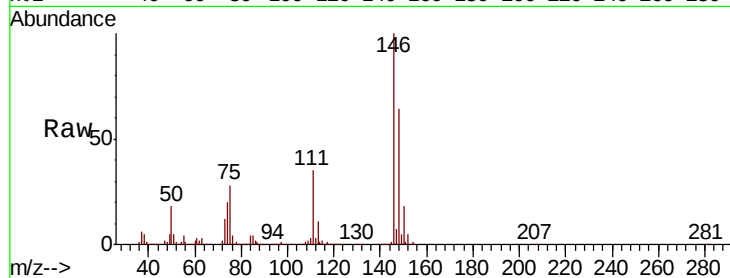




#64
 1,4-Dichlorobenzene
 Concen: 51.390 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY003536.D
 Acq: 18 Nov 2020 18:29

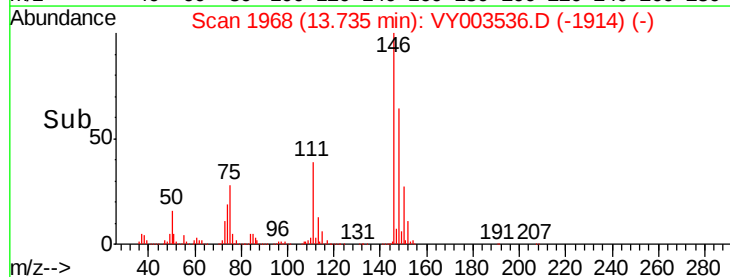
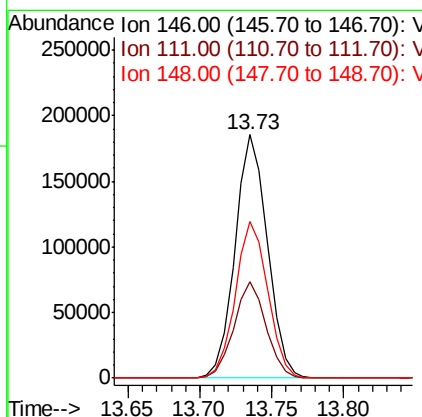
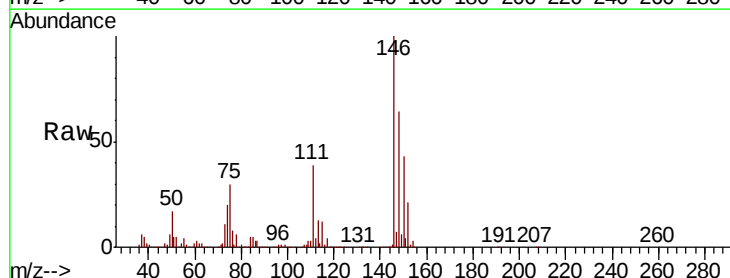
Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD05078

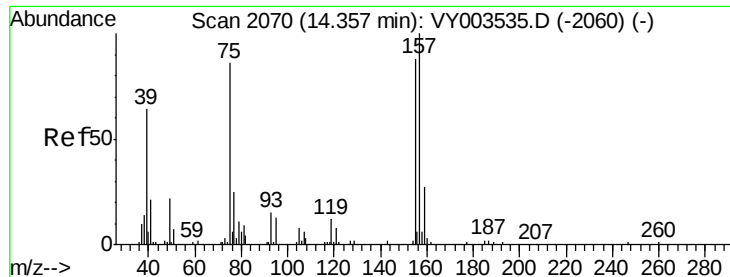
Tot Ion:146 Resp: 358441
 Ion Ratio Lower Upper
 146 100
 111 35.3 25.6 47.4
 148 63.8 45.4 84.4



#65
 1,2-Dichlorobenzene
 Concen: 51.158 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY003536.D
 Acq: 18 Nov 2020 18:29

Tgt Ion:146 Resp: 289569
 Ion Ratio Lower Upper
 146 100
 111 39.4 31.5 47.3
 148 64.1 50.5 75.7





#66

1,2-Dibromo-3-chloropropane

Concen: 51.635 ug/L

RT: 14.36 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05078

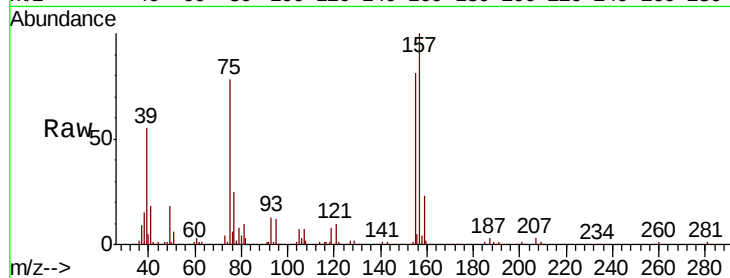
Tot Ion: 75 Resp: 23231

Ion Ratio Lower Upper

75 100

157 128.2 92.8 139.2

155 103.6 81.9 122.9

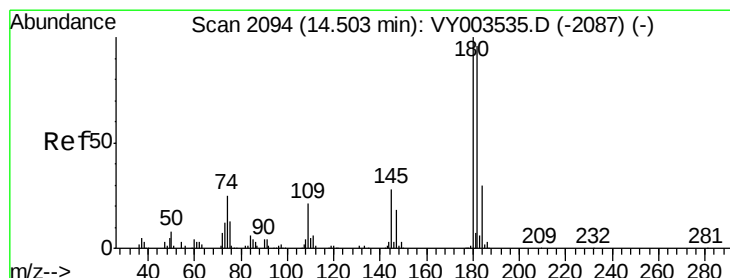
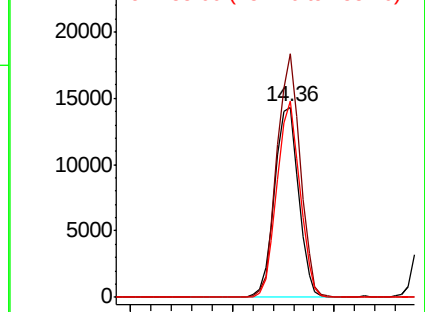
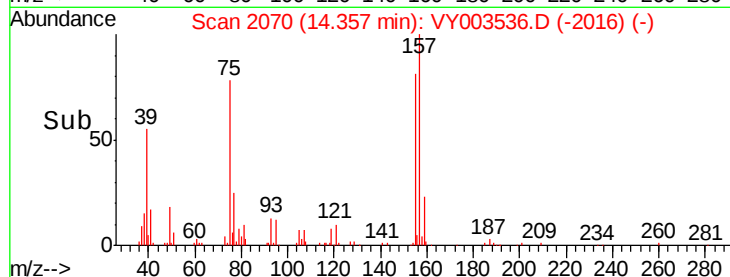


Abundance

Ion 75.00 (74.70 to 75.70): VY003535.D (-2060) (-)

Ion 157.00 (156.70 to 157.70): VY003535.D (-2060) (-)

Ion 155.00 (154.70 to 155.70): VY003535.D (-2060) (-)



#67

1,3,5-Trichlorobenzene

Concen: 50.830 ug/L

RT: 14.50 min Scan# 2093

Delta R.T. -0.01 min

Lab File: VY003536.D

Acq: 18 Nov 2020 18:29

Tgt Ion: 180 Resp: 181718

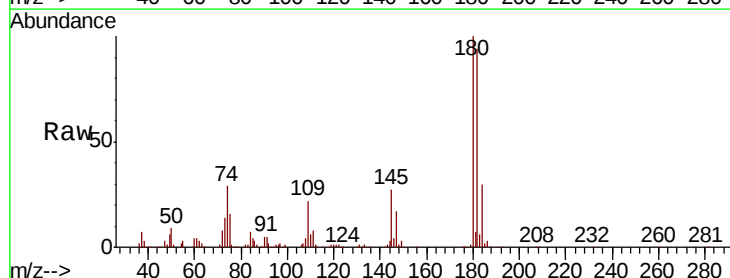
Ion Ratio Lower Upper

180 100

182 95.8 76.2 114.2

184 30.8 24.1 36.1

145 27.3 22.3 33.5



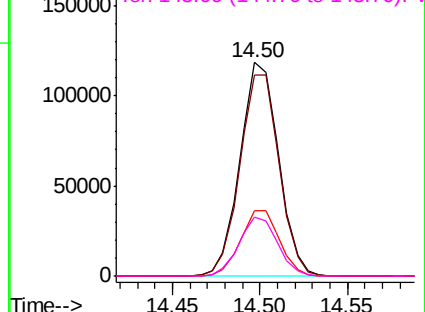
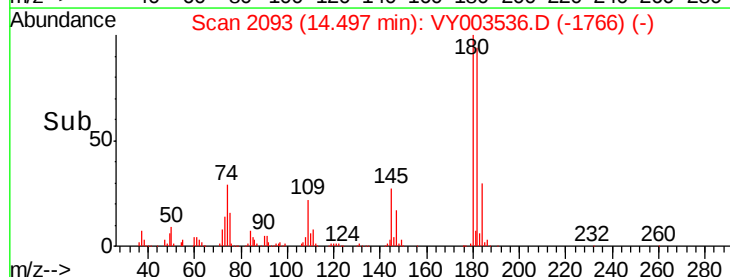
Abundance

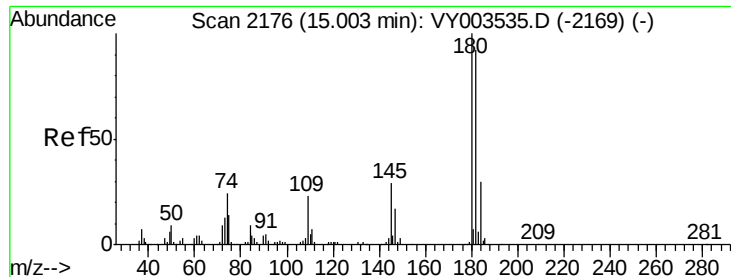
Ion 180.00 (179.70 to 180.70): VY003535.D (-2087) (-)

Ion 182.00 (181.70 to 182.70): VY003535.D (-2087) (-)

Ion 184.00 (183.70 to 184.70): VY003535.D (-2087) (-)

Ion 145.00 (144.70 to 145.70): VY003535.D (-2087) (-)

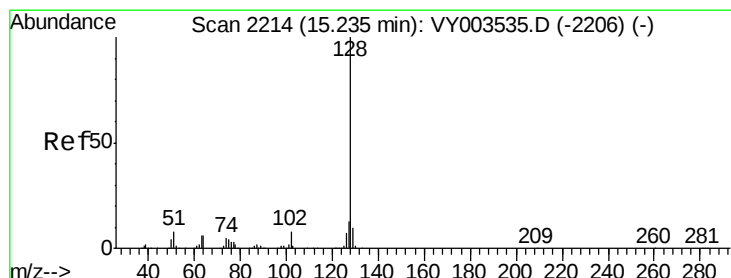
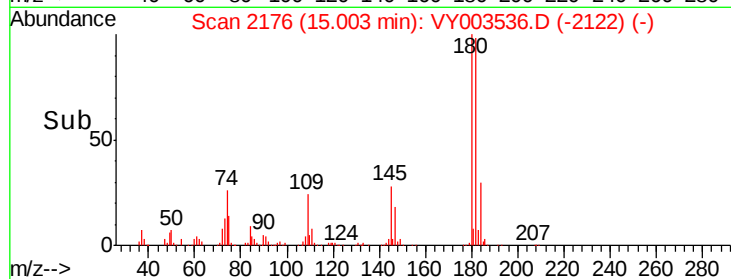
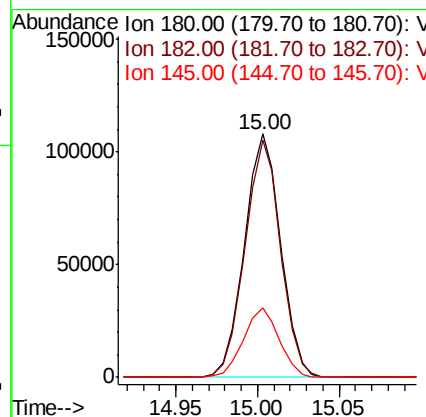
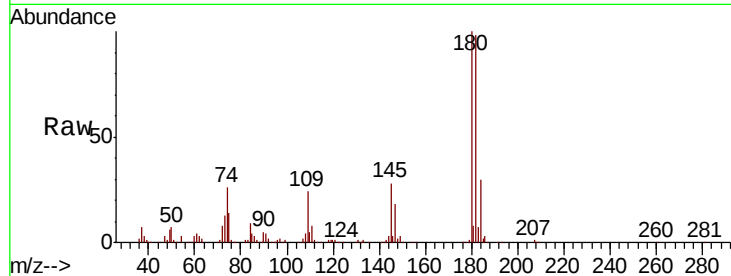




#68
 1,2,4-trichlorobenzene
 Concen: 53.710 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY003536.D
 Acq: 18 Nov 2020 18:29

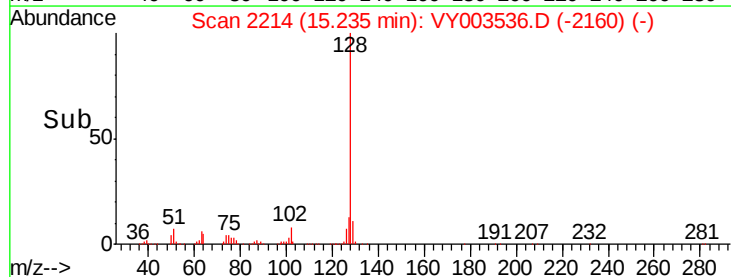
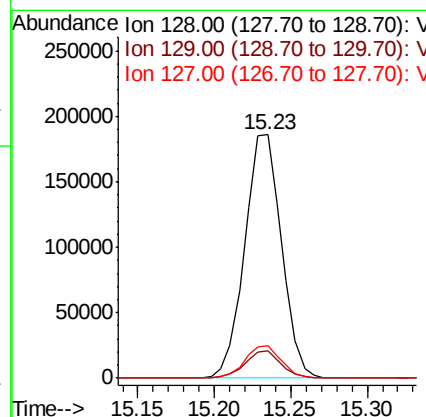
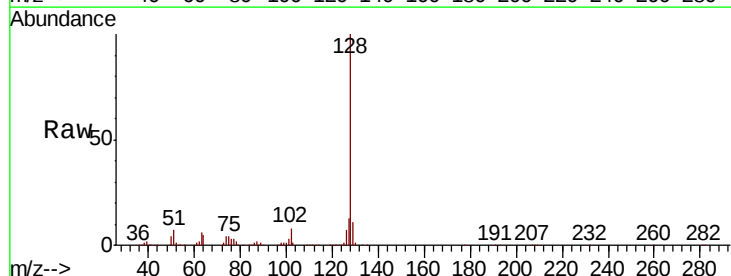
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05078

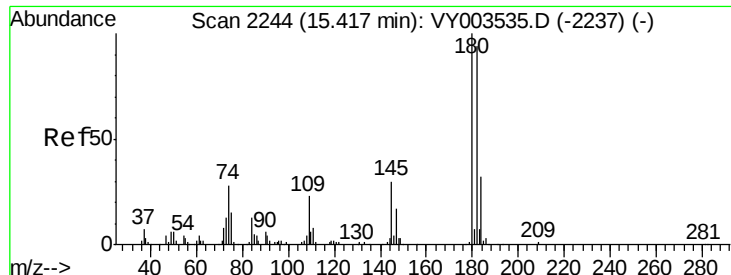
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.1	112.7
145	28.4	22.6	34.0



#69
 Naphthalene
 Concen: 55.268 ug/L
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VY003536.D
 Acq: 18 Nov 2020 18:29

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.4	12.6
127	13.1	10.4	15.6





#70
 1,2,3-Trichlorobenzene
 Concen: 52.234 ug/L
 RT: 15.42 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VY003536.D
 Acq: 18 Nov 2020 18:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05078

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	96.4	75.8	113.6	
145	29.3	23.6	35.4	

