

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111920\
 Data File : VY003543.D
 Acq On : 19 Nov 2020 12:09
 Operator : SY/MD
 Sample : VSTD02578
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02578

Quant Time: Nov 19 12:26:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 19 12:23:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	236170	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	215954	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	107427	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	57038	28.42	ug/L	0.00
7) Chloroethane-d5	2.77	69	52285	22.47	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	149277	24.13	ug/L	0.00
20) 2-Butanone-d5	6.91	46	67150	53.99	ug/L	0.00
24) Chloroform-d	7.49	84	145923	24.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.14	65	81279	24.25	ug/L	0.00
29) Benzene-d6	8.11	84	303515	24.26	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	91003	24.47	ug/L	0.00
37) Toluene-d8	10.18	98	278994	25.06	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	45067	24.79	ug/L	0.00
39) 2-Hexanone-d5	10.78	63	48922	53.05	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	81199	26.18	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	86001	25.29	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	31232	23.766 ug/L	100
3) Chloromethane	2.12	50	65250	24.429 ug/L	100
5) Vinyl chloride	2.26	62	82890	32.240 ug/L	100
6) Bromomethane	2.66	94	60523	25.657 ug/L	100
8) Chloroethane	2.80	64	52759	25.689 ug/L	100
9) Trichlorofluoromethane	3.13	101	78497	26.718 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	78165	25.832 ug/L	100
12) 1,1-Dichloroethene	3.88	96	83678	25.734 ug/L	100
13) Acetone	3.97	43	43896	46.299 ug/L	100
14) Carbon disulfide	4.20	76	279593	26.663 ug/L	100
15) Methyl Acetate	4.49	43	59507	25.859 ug/L	100
16) Methylene chloride	4.72	84	89617	19.744 ug/L	100
17) Methyl tert-butyl Ether	5.23	73	132336	25.759 ug/L	100
18) trans-1,2-Dichloroethene	5.22	96	87383	25.142 ug/L	100
19) 1,1-Dichloroethane	6.02	63	149877	25.223 ug/L	100
21) 2-Butanone	7.00	43	78028	50.589 ug/L	100
22) cis-1,2-Dichloroethene	6.99	96	91390	25.140 ug/L	100
23) Bromochloromethane	7.35	128	43677	24.962 ug/L	100
25) Chloroform	7.52	83	147531	25.341 ug/L	100
27) 1,2-Dichloroethane	8.24	62	99956	25.389 ug/L	100
30) Cyclohexane	7.79	56	136539	26.606 ug/L	100
31) 1,1,1-Trichloroethane	7.71	97	118621	26.217 ug/L	100
32) Carbon tetrachloride	7.91	117	112751	26.338 ug/L	100
34) Benzene	8.16	78	344085	25.044 ug/L	100
35) Trichloroethene	8.94	95	86556	25.145 ug/L	100
36) Methylcyclohexane	9.19	83	136361	25.589 ug/L	100
40) 1,2-Dichloropropane	9.22	63	84772	24.898 ug/L	100
41) Bromodichloromethane	9.50	83	109216	25.039 ug/L	100
42) cis-1,3-Dichloropropene	9.93	75	137359	25.660 ug/L	100
43) 4-Methyl-2-pentanone	10.07	43	145682	50.363 ug/L	100

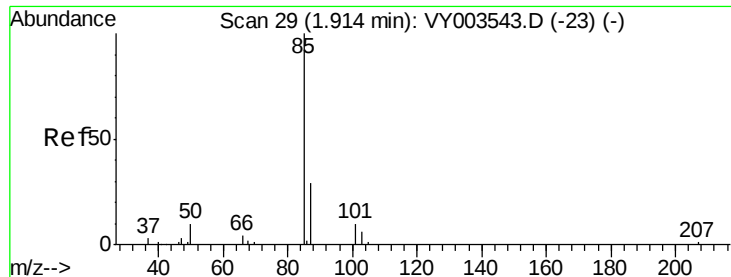
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.24	91	368572	25.847	ug/L	100
45) trans-1,3-Dichloropropene	10.47	75	124630	25.525	ug/L	100
46) 1,1,2-Trichloroethane	10.64	97	68428	25.032	ug/L	100
47) Tetrachloroethene	10.72	164	78204	25.767	ug/L	100
49) 2-Hexanone	10.83	43	115421	53.864	ug/L	100
50) Dibromochloromethane	10.99	129	82024	25.488	ug/L	100
51) 1,2-Dibromoethane	11.09	107	68360	25.187	ug/L	100
52) Chlorobenzene	11.52	112	233848	25.559	ug/L	100
53) Ethylbenzene	11.59	91	384081	26.512	ug/L	100
54) m,p-Xylene	11.70	106	148110	26.229	ug/L	100
55) o-xylene	12.03	106	126058	26.546	ug/L	100
56) Styrene	12.04	104	244372	26.502	ug/L	100
57) Isopropylbenzene	12.33	105	285886	27.316	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.58	83	80810	26.478	ug/L	100
59) 1,2,3-Trichloropropane	12.63	75	62452	26.264	ug/L	100
62) Bromoform	12.20	173	55165	24.952	ug/L	100
63) 1,3-Dichlorobenzene	13.36	146	174273	25.725	ug/L	100
64) 1,4-Dichlorobenzene	13.44	146	175035	25.109	ug/L	100
65) 1,2-Dichlorobenzene	13.74	146	142972	25.695	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.35	75	11600	26.555	ug/L	100
67) 1,3,5-Trichlorobenzene	14.50	180	92438	26.086	ug/L	100
68) 1,2,4-trichlorobenzene	15.00	180	80008	26.025	ug/L	100
69) Naphthalene	15.23	128	144145	26.463	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	59444	25.530	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 23.766 ug/L

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

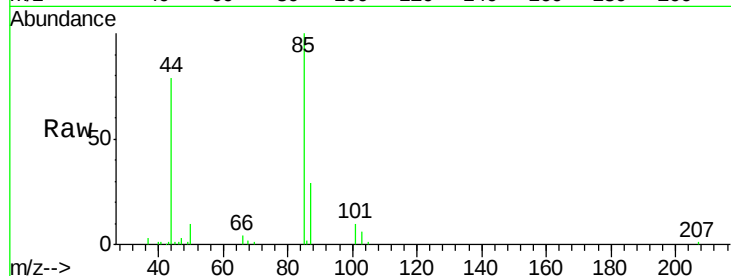
VSTD02578

Tgt Ion: 85 Resp: 31232

Ion Ratio Lower Upper

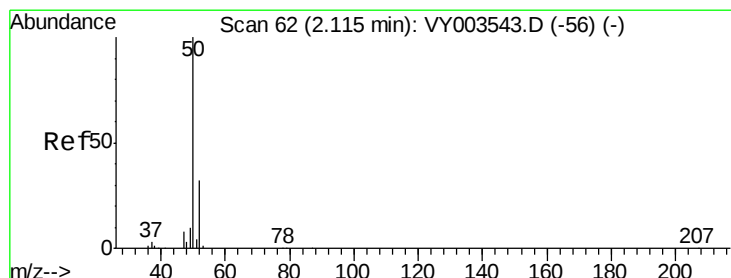
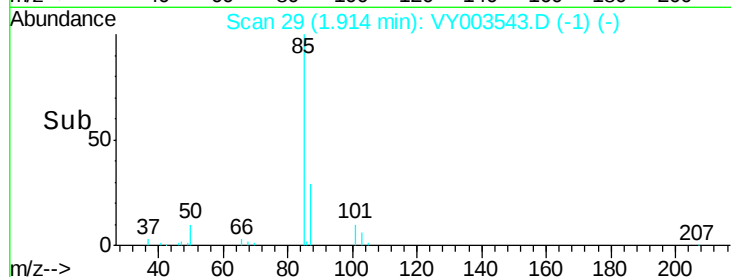
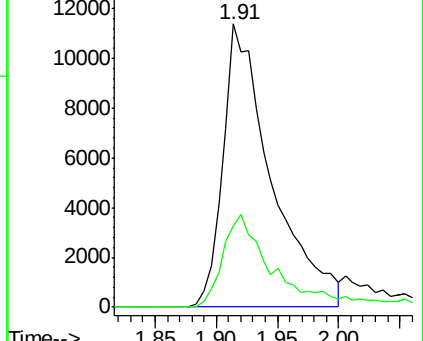
85 100

87 30.4 21.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 24.429 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003543.D

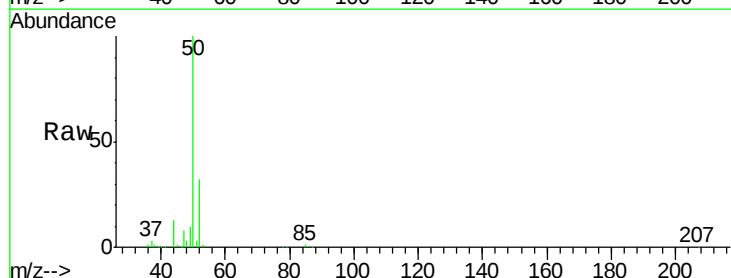
Acq: 19 Nov 2020 12:09

Tgt Ion: 50 Resp: 65250

Ion Ratio Lower Upper

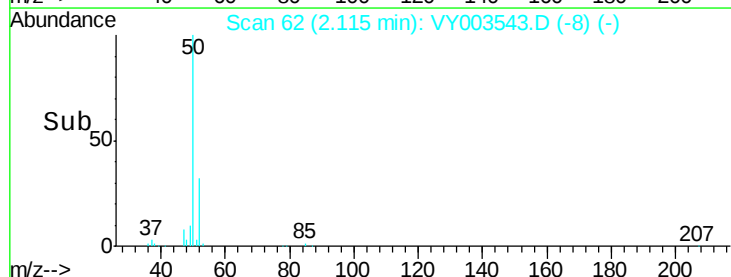
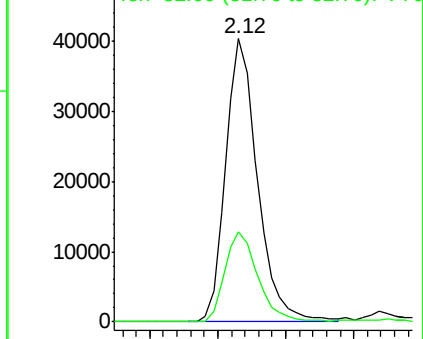
50 100

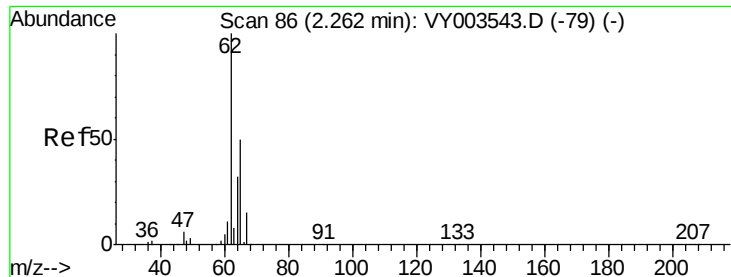
52 32.0 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 32.240 ug/L

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

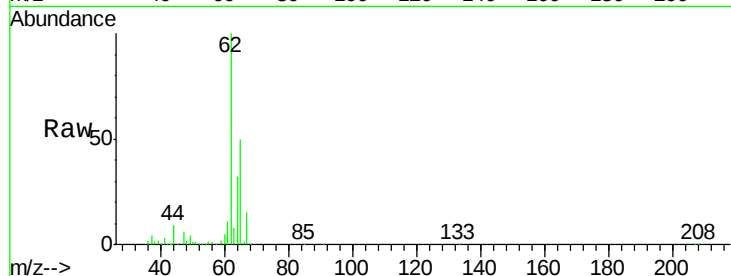
VSTD02578

Tgt Ion: 62 Resp: 82890

Ion Ratio Lower Upper

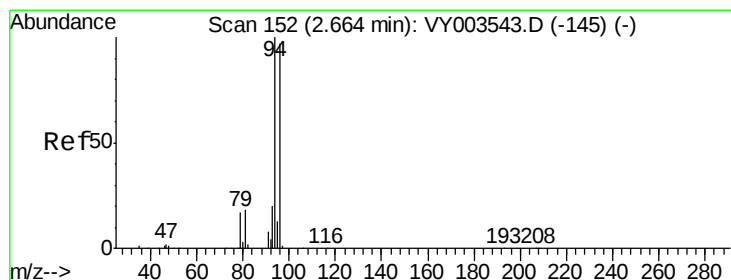
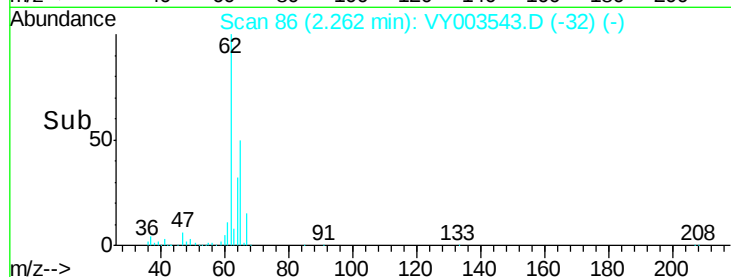
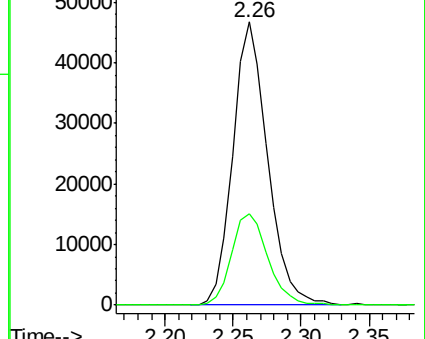
62 100

64 32.4 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 25.657 ug/L

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY003543.D

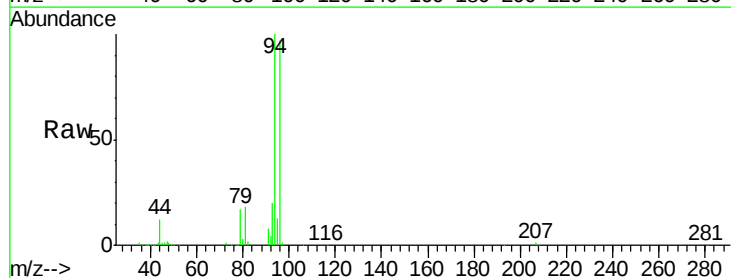
Acq: 19 Nov 2020 12:09

Tgt Ion: 94 Resp: 60523

Ion Ratio Lower Upper

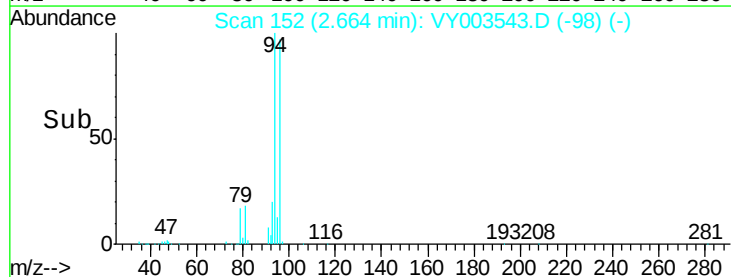
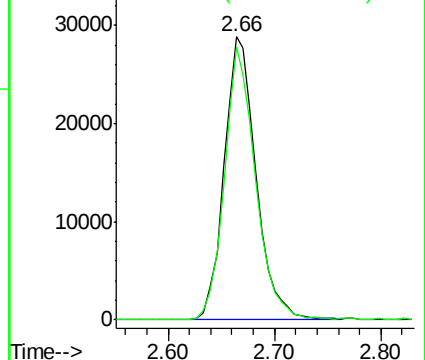
94 100

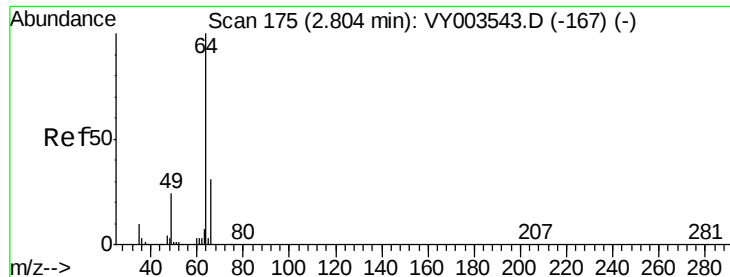
96 94.0 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 25.689 ug/L

RT: 2.80 min Scan# 175

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

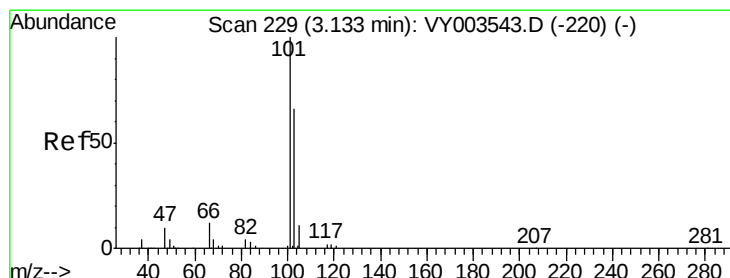
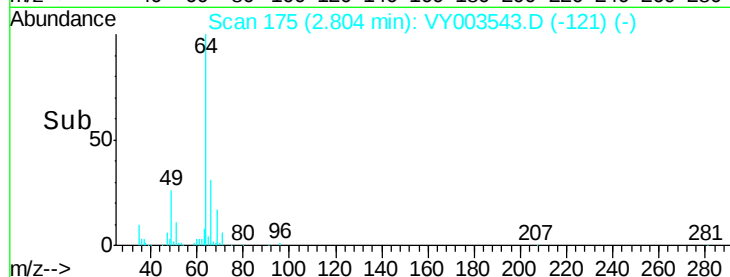
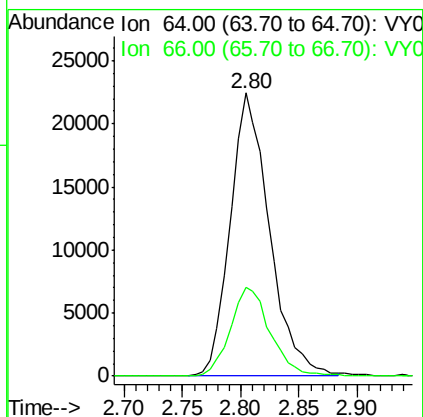
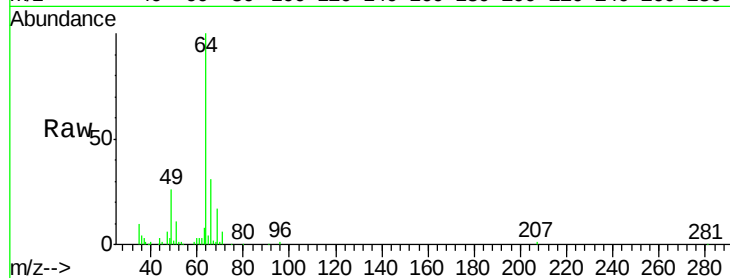
VSTD02578

Tgt Ion: 64 Resp: 52759

Ion Ratio Lower Upper

64 100

66 31.2 21.8 40.6



#9

Trichlorofluoromethane

Concen: 26.718 ug/L

RT: 3.13 min Scan# 229

Delta R.T. 0.00 min

Lab File: VY003543.D

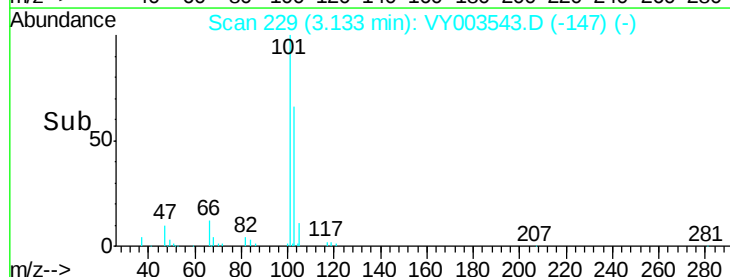
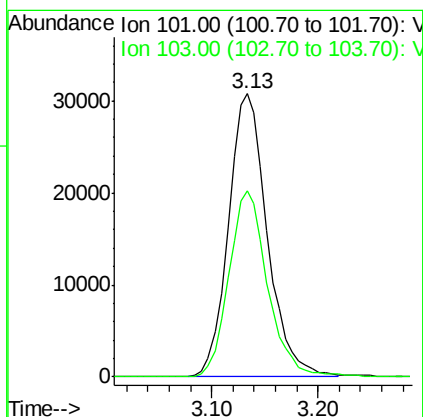
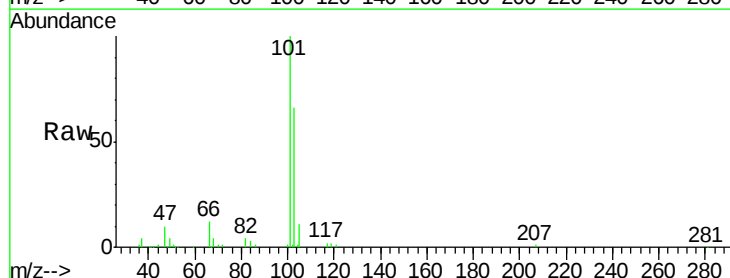
Acq: 19 Nov 2020 12:09

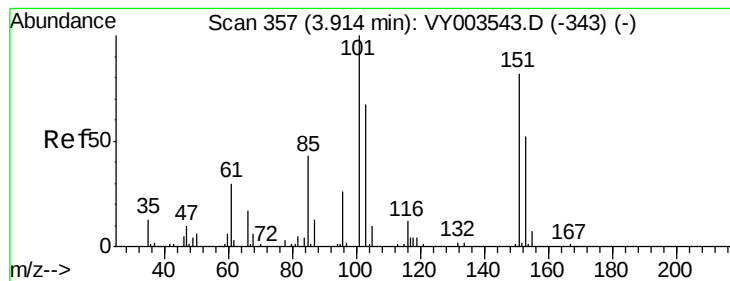
Tgt Ion: 101 Resp: 78497

Ion Ratio Lower Upper

101 100

103 65.1 45.6 84.6





#11

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

Concen: 25.832 ug/L

RT: 3.91 min Scan# 357

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02578

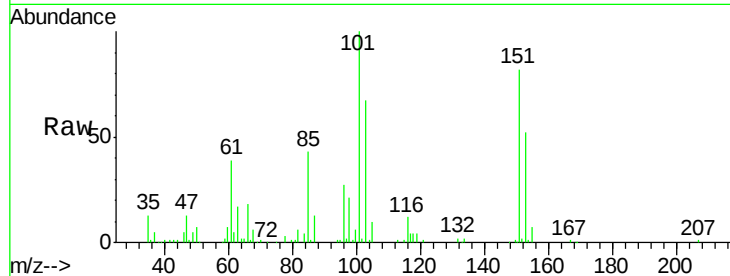
Tgt Ion: 101 Resp: 78165

Ion Ratio Lower Upper

101 100

85 43.7 35.0 52.4

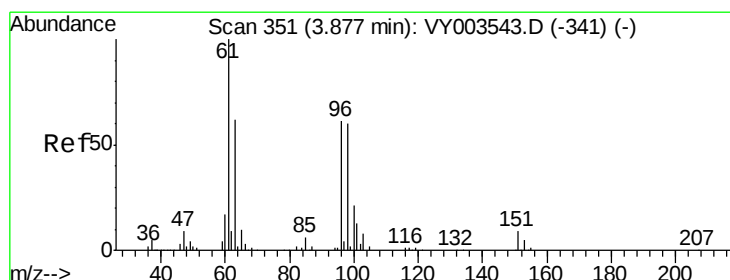
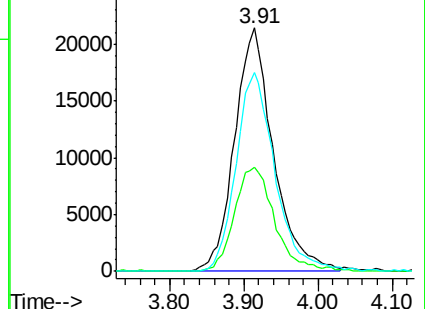
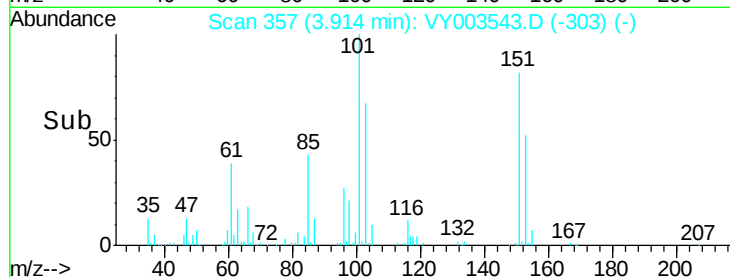
151 81.7 65.4 98.0



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

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

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



#12

1,1-Dichloroethene

Concen: 25.734 ug/L

RT: 3.88 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

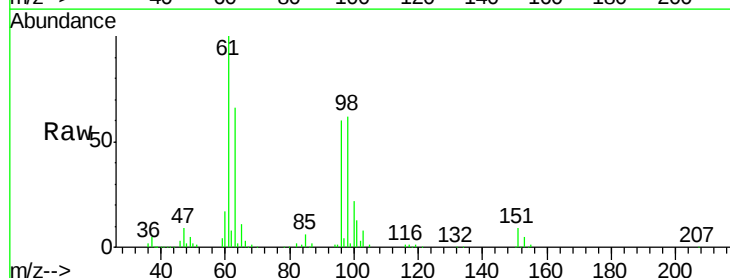
Tgt Ion: 96 Resp: 83678

Ion Ratio Lower Upper

96 100

61 166.6 116.6 216.6

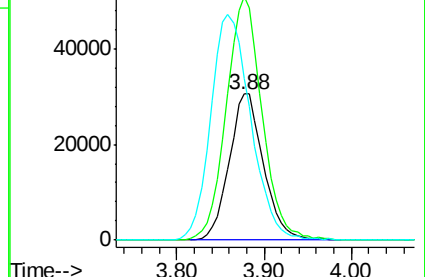
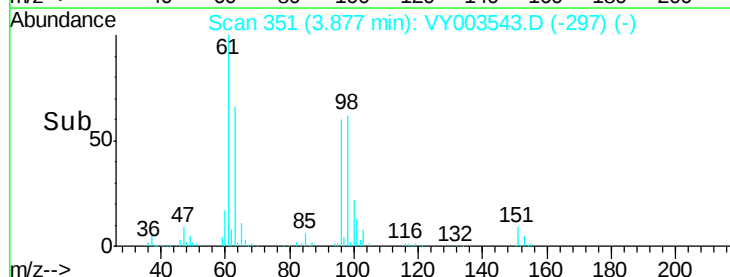
63 110.7 77.5 143.9

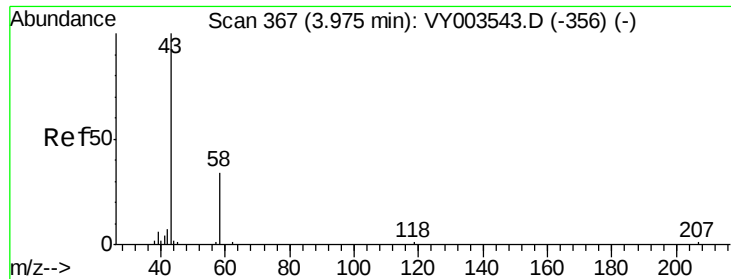


Abundance Ion 96.00 (95.70 to 96.70): VY003543.D (-341) (-)

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

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

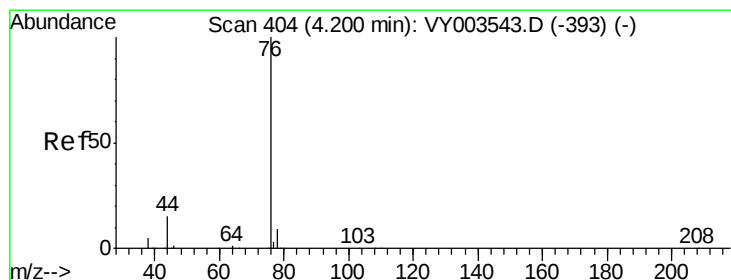
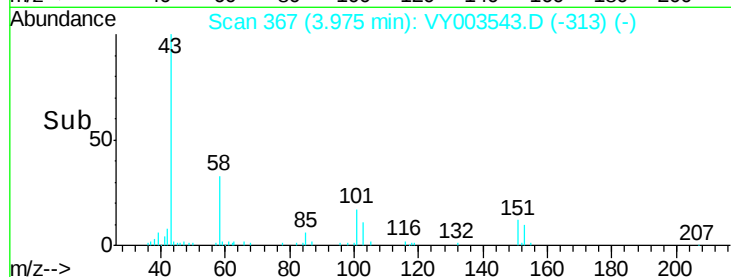
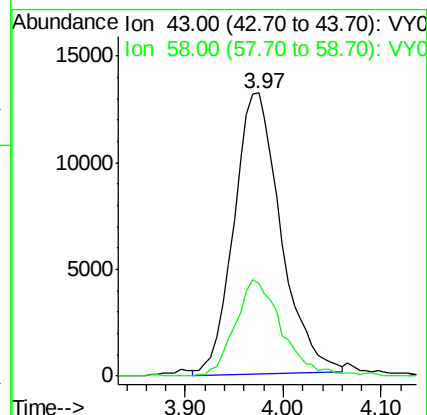
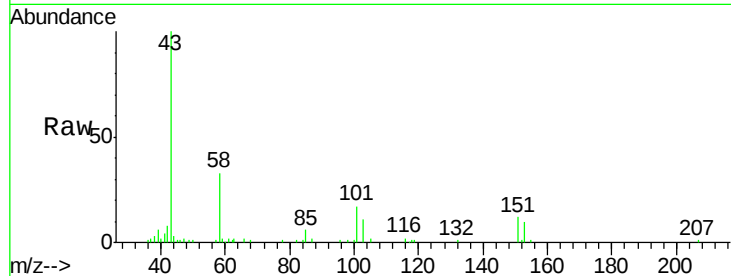




#13
Acetone
Concen: 46.299 ug/L
RT: 3.97 min Scan# 367
Delta R.T. 0.00 min
Lab File: VY003543.D
Acq: 19 Nov 2020 12:09

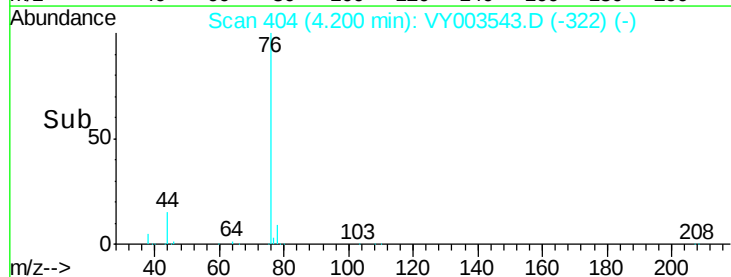
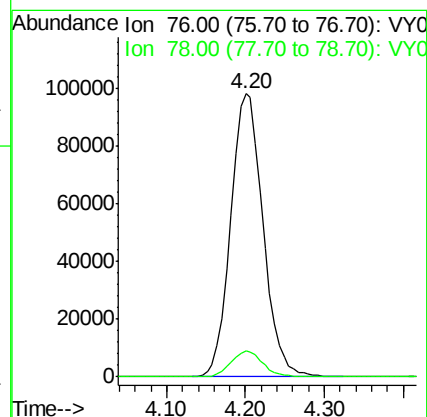
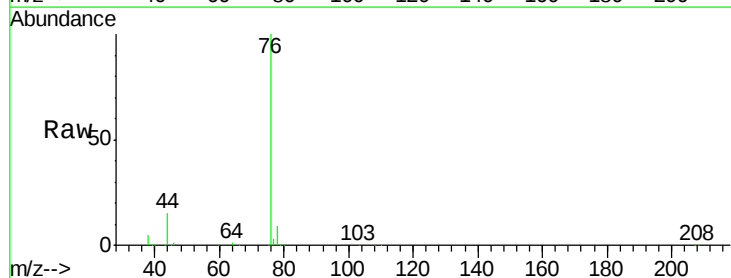
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02578

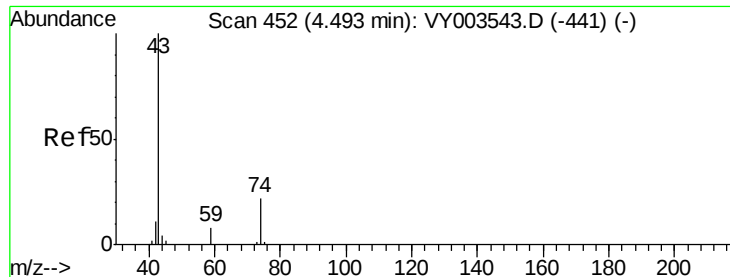
Tgt Ion: 43 Resp: 43896
Ion Ratio Lower Upper
43 100
58 33.1 0.0 66.2



#14
Carbon disulfide
Concen: 26.663 ug/L
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY003543.D
Acq: 19 Nov 2020 12:09

Tgt Ion: 76 Resp: 279593
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

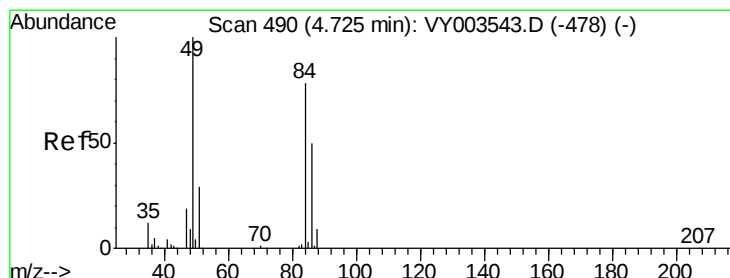
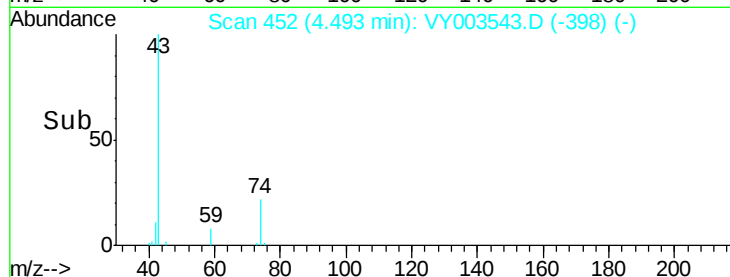
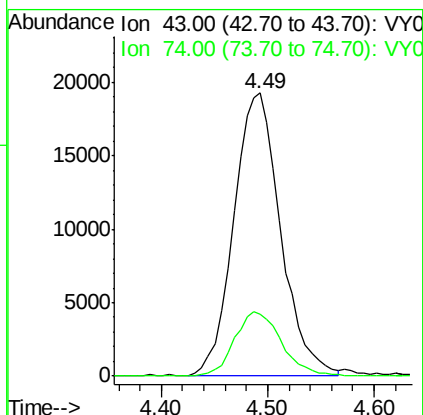
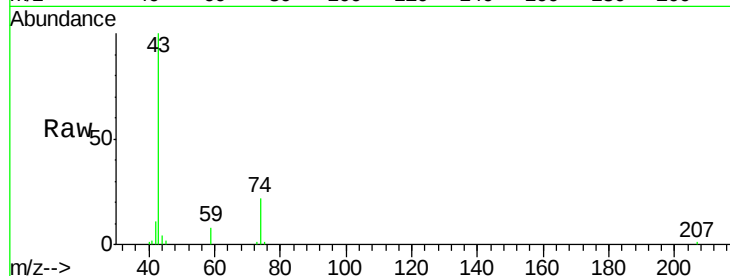




#15
Methyl Acetate
Concen: 25.859 ug/L
RT: 4.49 min Scan# 452
Delta R.T. 0.00 min
Lab File: VY003543.D
Acq: 19 Nov 2020 12:09

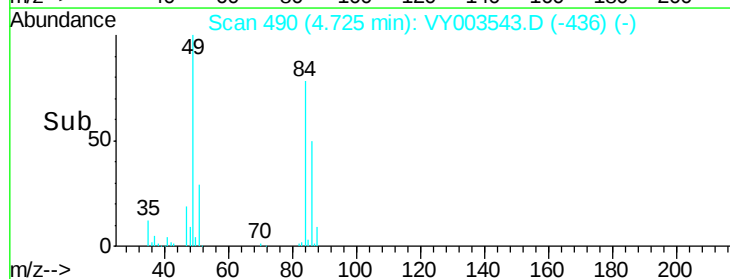
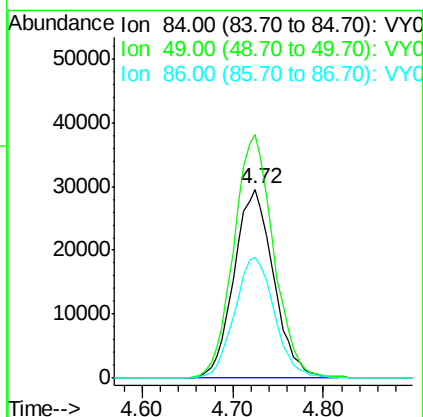
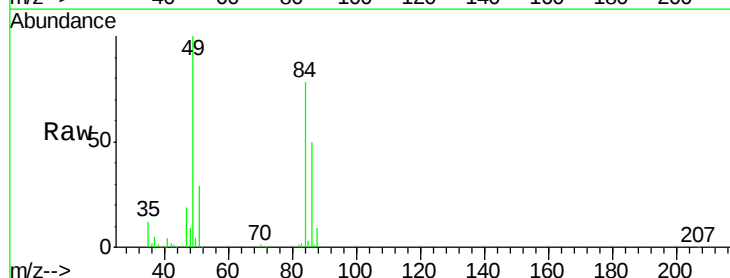
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02578

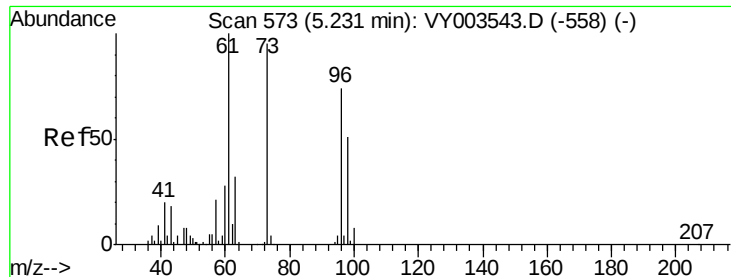
Tgt Ion: 43 Resp: 59507
Ion Ratio Lower Upper
43 100
74 22.7 18.2 27.2



#16
Methylene chloride
Concen: 19.744 ug/L
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003543.D
Acq: 19 Nov 2020 12:09

Tgt Ion: 84 Resp: 89617
Ion Ratio Lower Upper
84 100
49 129.0 90.3 167.7
86 63.9 44.7 83.1

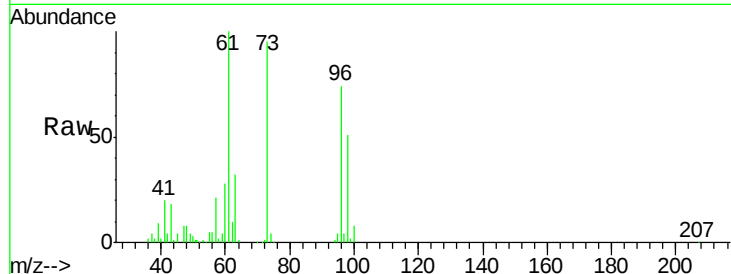




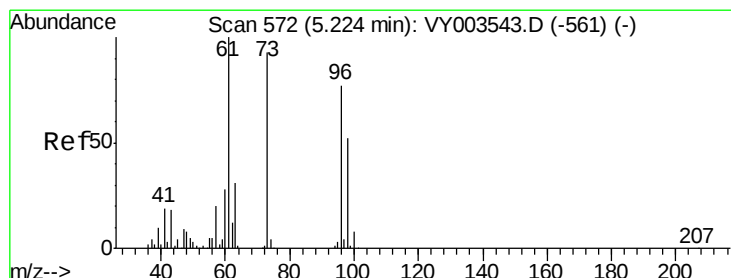
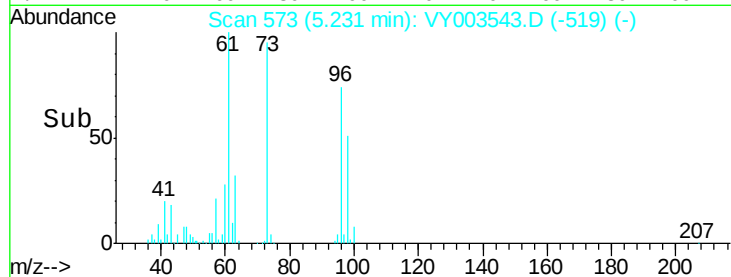
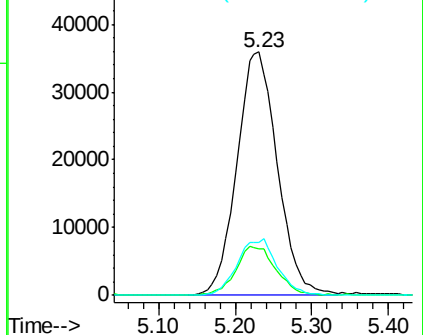
#17
Methyl tert-butyl Ether
Concen: 25.759 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY003543.D
Acq: 19 Nov 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02578

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.9	15.9	23.9
57	13.1	10.5	15.7

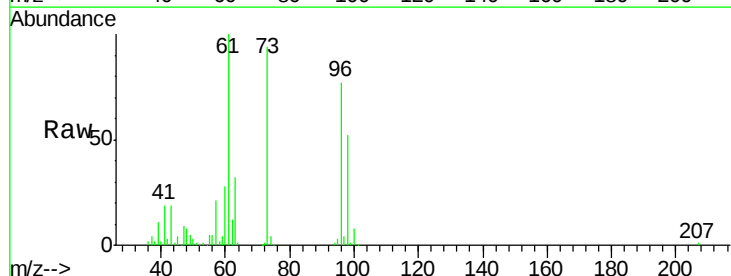


Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

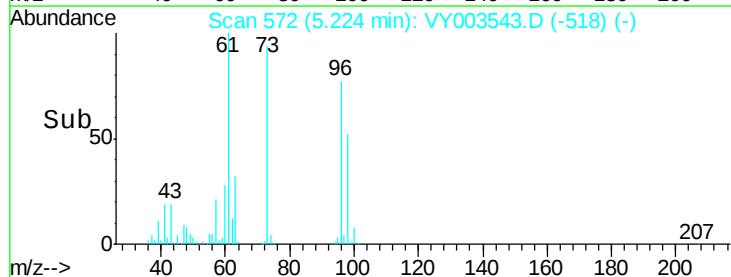
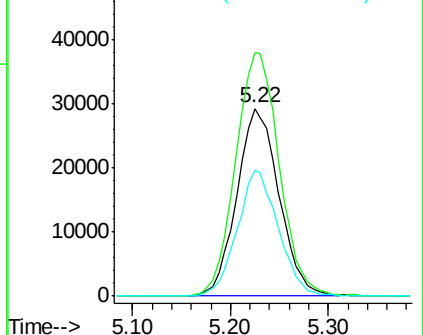


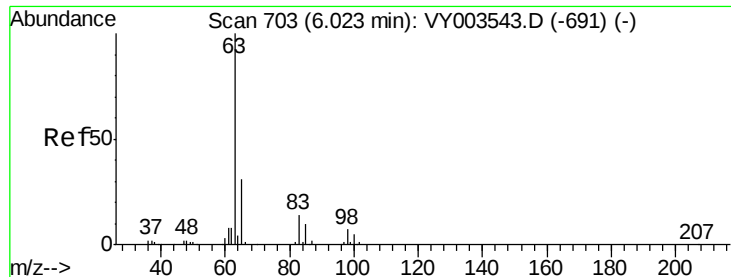
#18
trans-1,2-Dichloroethene
Concen: 25.142 ug/L
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY003543.D
Acq: 19 Nov 2020 12:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.7	90.8	168.6
98	66.9	46.8	87.0



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: 25.223 ug/L

RT: 6.02 min Scan# 703

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02578

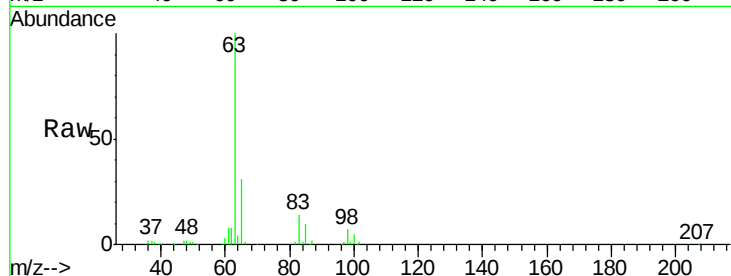
Tgt Ion: 63 Resp: 149877

Ion Ratio Lower Upper

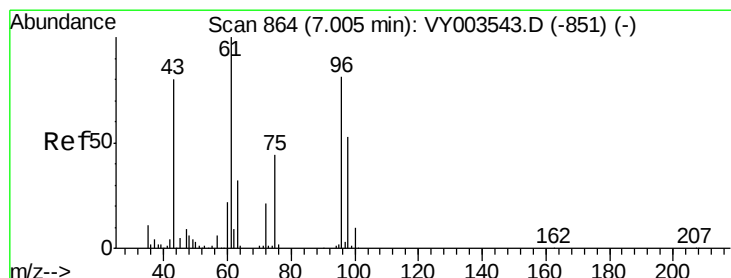
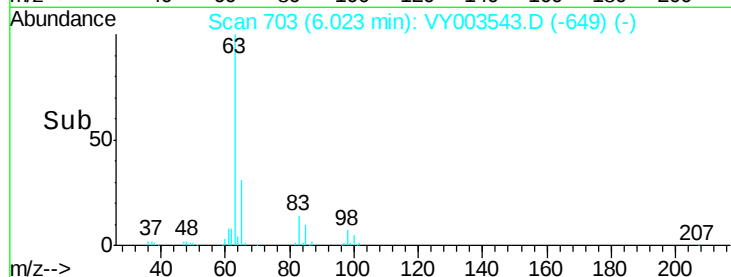
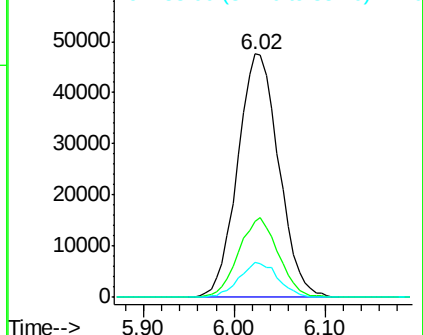
63 100

65 31.4 22.0 40.8

83 14.2 9.9 18.5



Abundance Ion 63.00 (62.70 to 63.70): VY0
Ion 65.00 (64.70 to 65.70): VY0
Ion 83.00 (82.70 to 83.70): VY0



#21

2-Butanone

Concen: 50.589 ug/L

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY003543.D

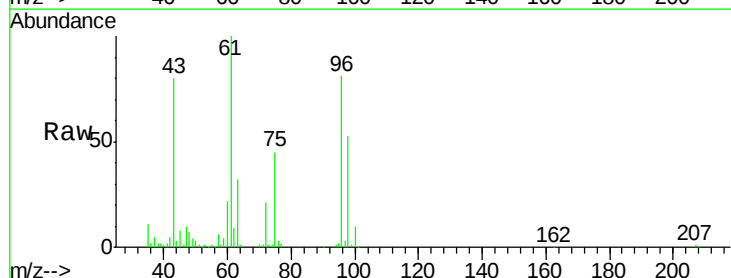
Acq: 19 Nov 2020 12:09

Tgt Ion: 43 Resp: 78028

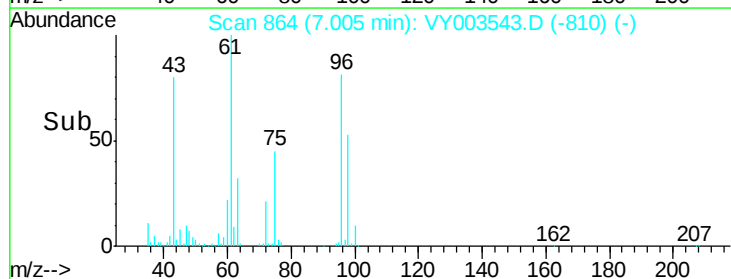
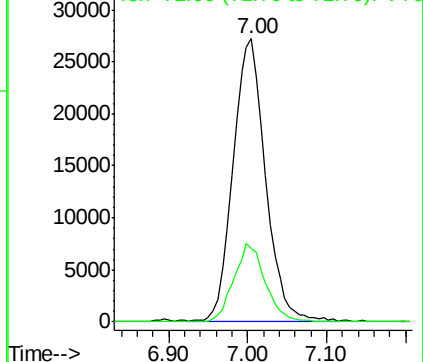
Ion Ratio Lower Upper

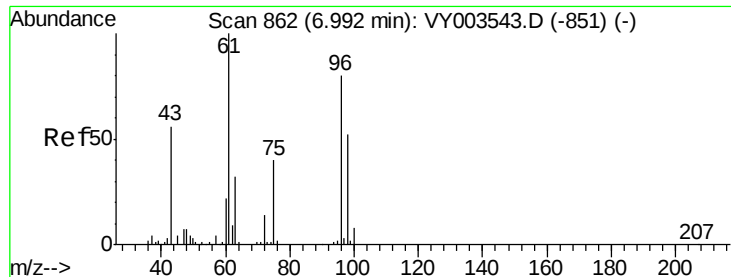
43 100

72 26.4 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0



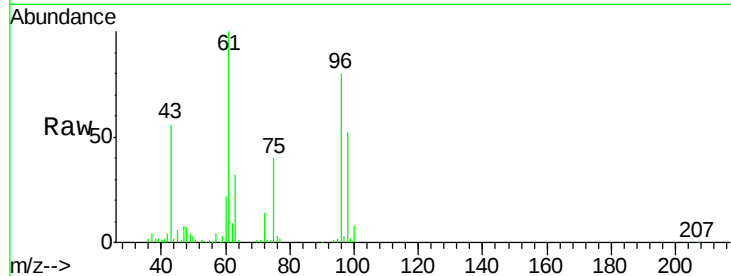


#22

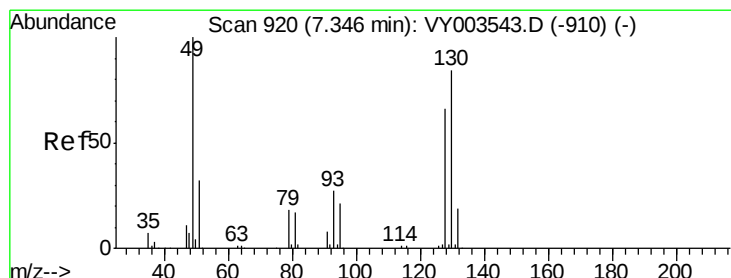
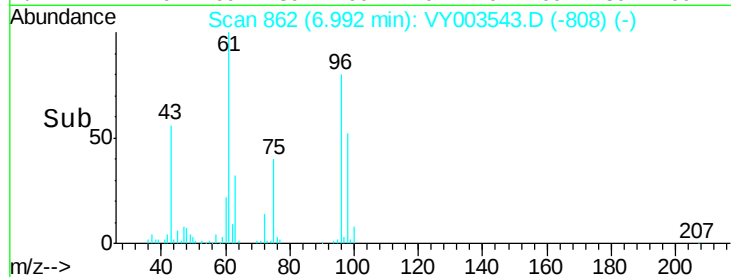
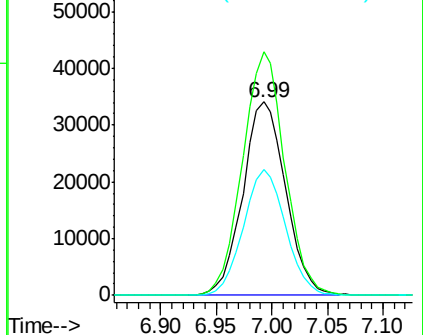
cis-1,2-Dichloroethene
 Concen: 25.140 ug/L
 RT: 6.99 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VY003543.D
 Acq: 19 Nov 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02578

Tgt Ion: 96 Resp: 91390
 Ion Ratio Lower Upper
 96 100
 61 125.8 88.1 163.5
 98 65.1 45.6 84.6



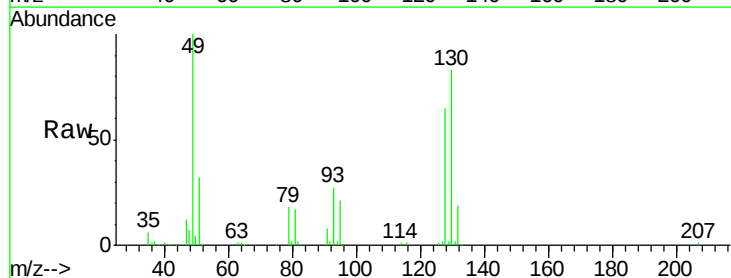
Abundance Ion 96.00 (95.70 to 96.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 98.00 (97.70 to 98.70): VY0



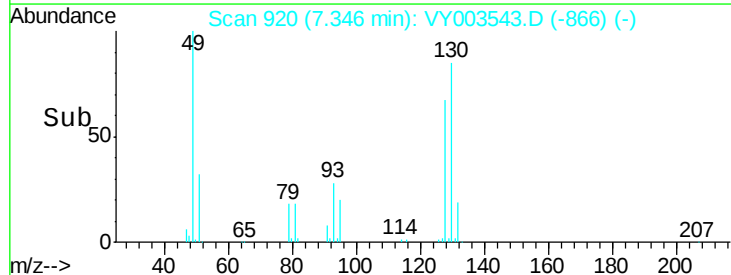
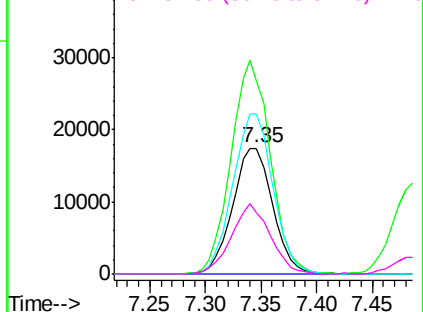
#23

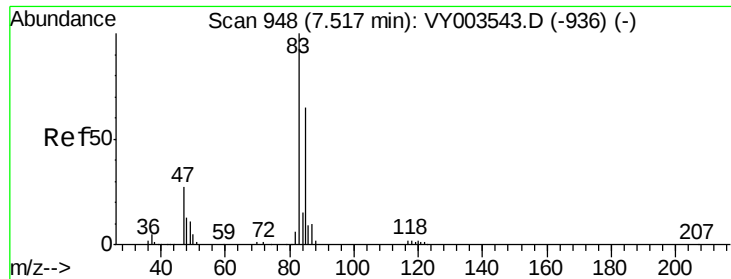
Bromochloromethane
 Concen: 24.962 ug/L
 RT: 7.35 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VY003543.D
 Acq: 19 Nov 2020 12:09

Tgt Ion: 128 Resp: 43677
 Ion Ratio Lower Upper
 128 100
 49 153.3 107.3 199.3
 130 127.6 89.3 165.9
 51 48.5 38.8 58.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VY0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VY0





#25

Chloroform

Concen: 25.341 ug/L

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

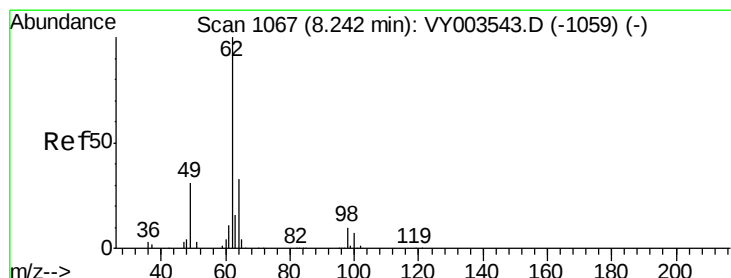
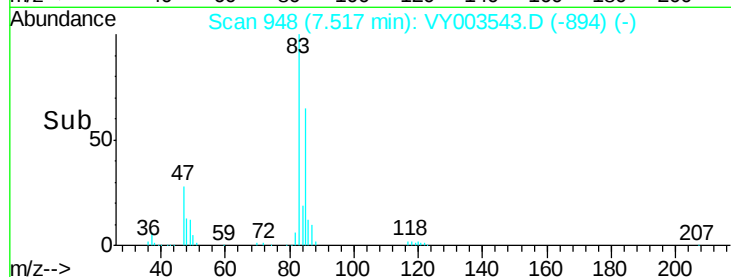
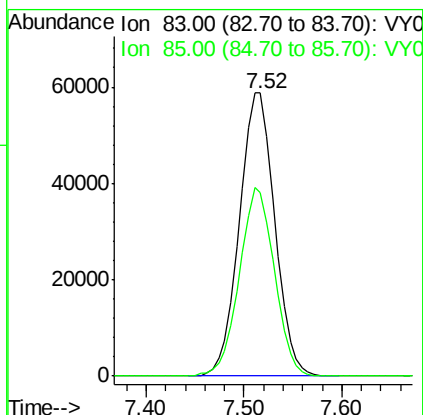
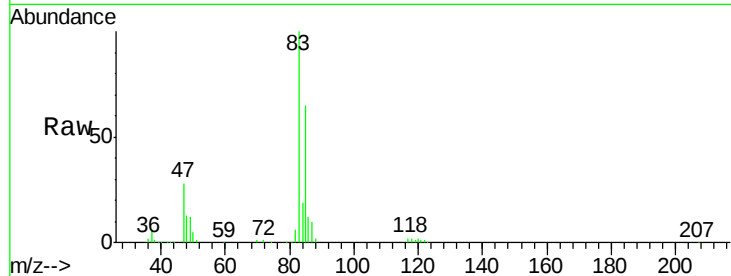
VSTD02578

Tgt Ion: 83 Resp: 147531

Ion Ratio Lower Upper

83 100

85 66.0 46.2 85.8



#27

1,2-Dichloroethane

Concen: 25.389 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY003543.D

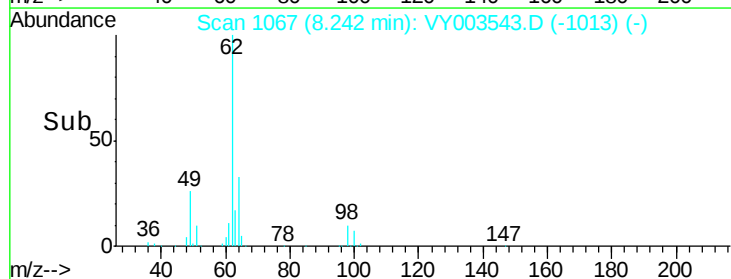
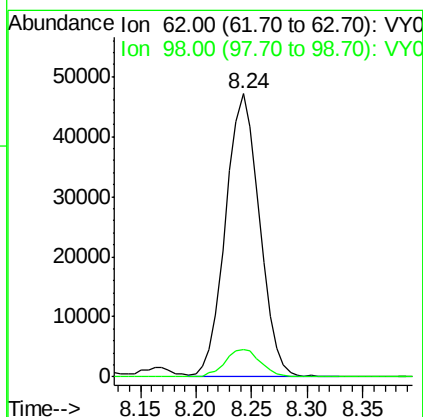
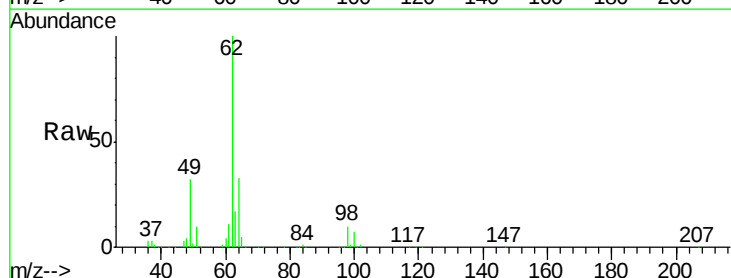
Acq: 19 Nov 2020 12:09

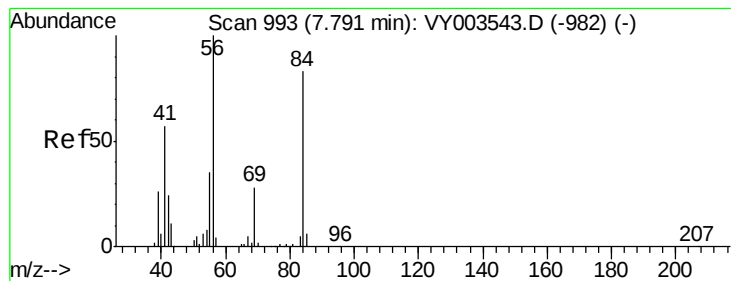
Tgt Ion: 62 Resp: 99956

Ion Ratio Lower Upper

62 100

98 9.6 7.7 11.5





#30

Cyclohexane

Concen: 26.606 ug/L

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02578

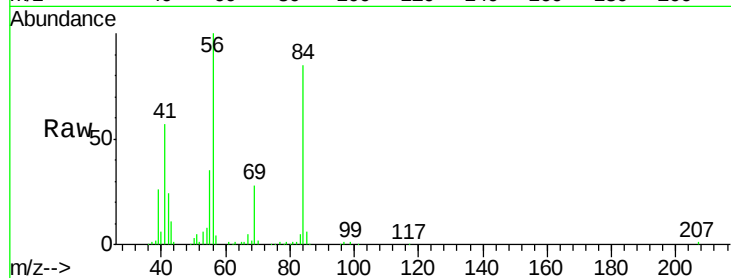
Tgt Ion: 56 Resp: 136539

Ion Ratio Lower Upper

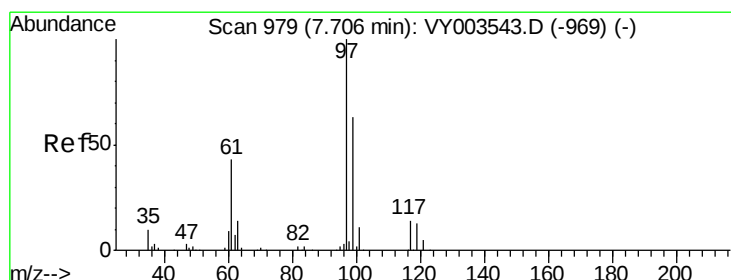
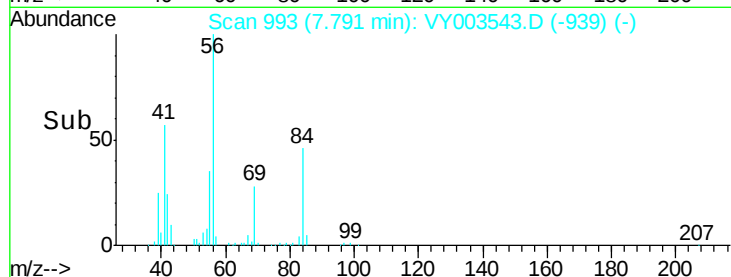
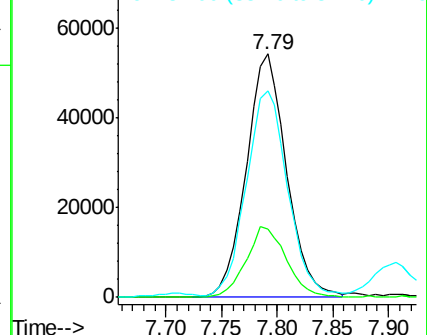
56 100

69 29.1 23.3 34.9

84 87.4 69.9 104.9



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: 26.217 ug/L

RT: 7.71 min Scan# 979

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

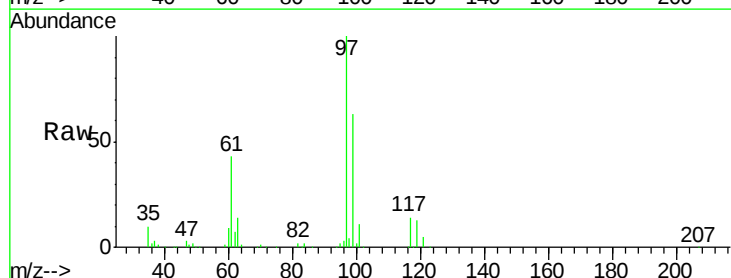
Tgt Ion: 97 Resp: 118621

Ion Ratio Lower Upper

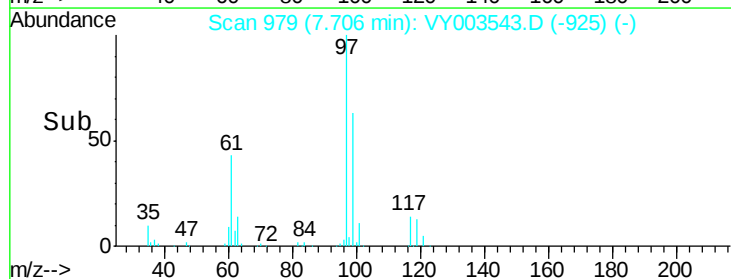
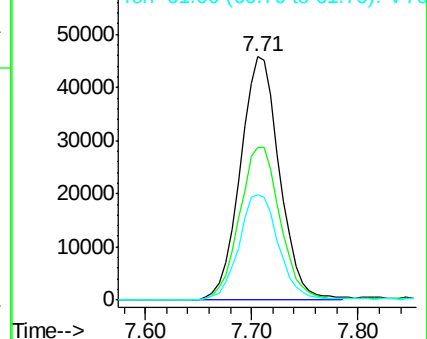
97 100

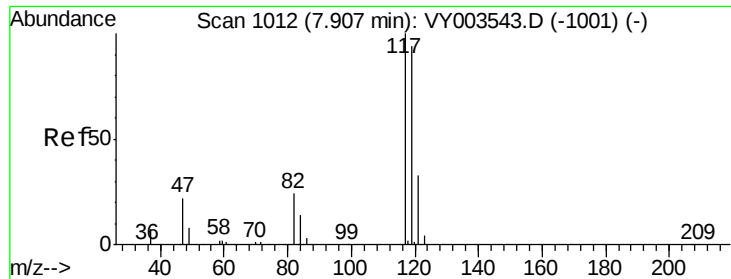
99 65.1 52.1 78.1

61 43.6 34.9 52.3



Abundance Ion 97.00 (96.70 to 97.70): VY0
Ion 99.00 (98.70 to 99.70): VY0
Ion 61.00 (60.70 to 61.70): VY0





#32

Carbon tetrachloride

Concen: 26.338 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

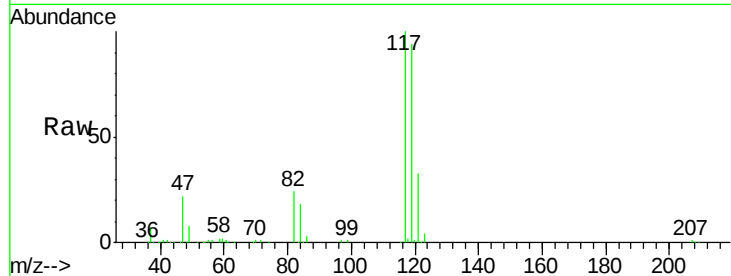
VSTD02578

Tgt Ion:117 Resp: 112751

Ion Ratio Lower Upper

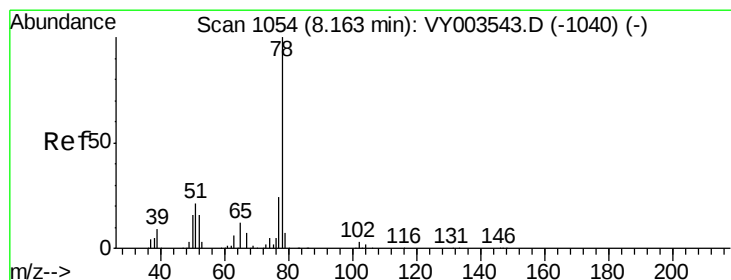
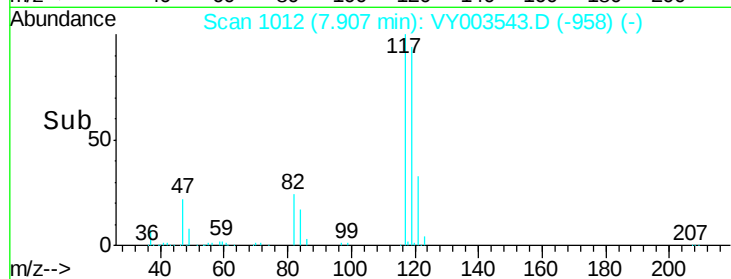
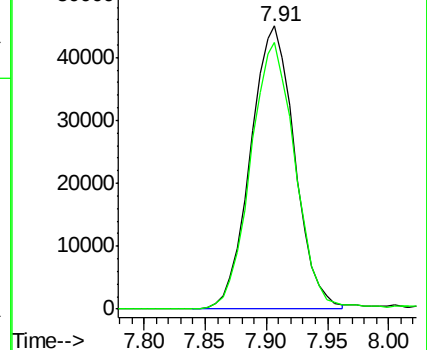
117 100

119 95.3 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.044 ug/L

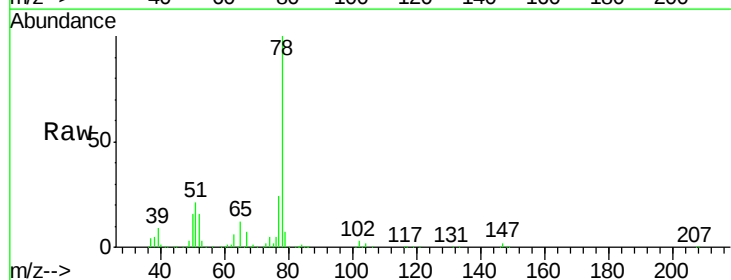
RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

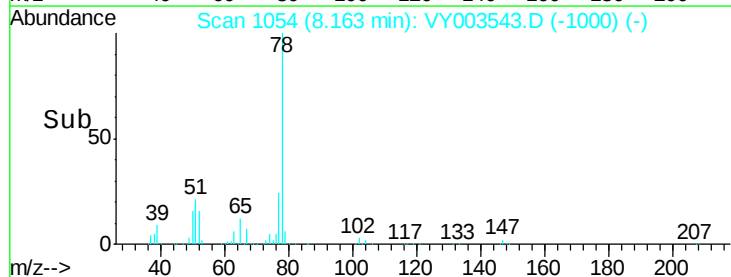
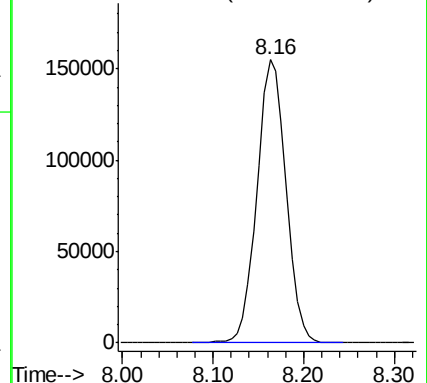
Lab File: VY003543.D

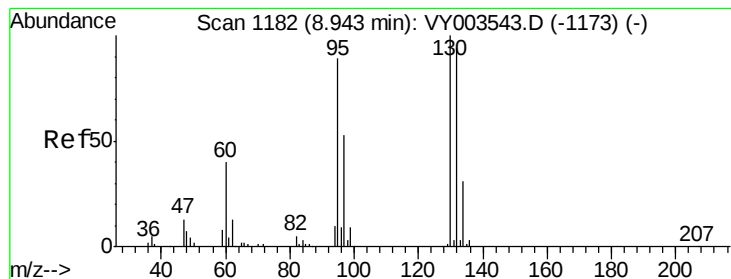
Acq: 19 Nov 2020 12:09

Tgt Ion: 78 Resp: 344085



Abundance Ion 78.00 (77.70 to 78.70): VY0





#35

Trichloroethene

Concen: 25.145 ug/L

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02578

Tgt Ion: 95 Resp: 86556

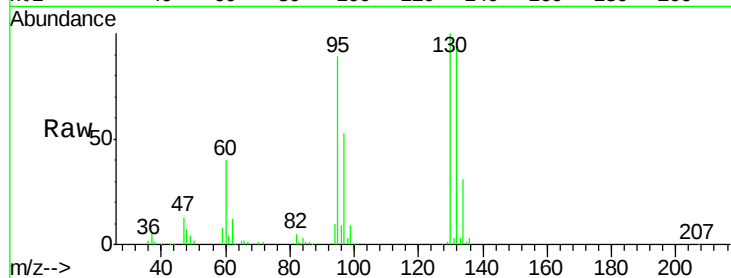
Ion Ratio Lower Upper

95 100

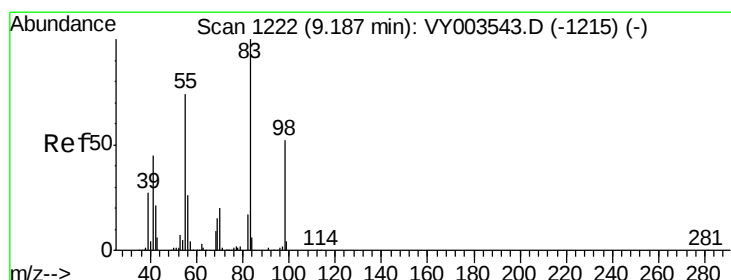
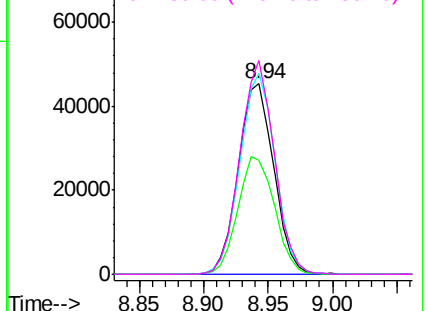
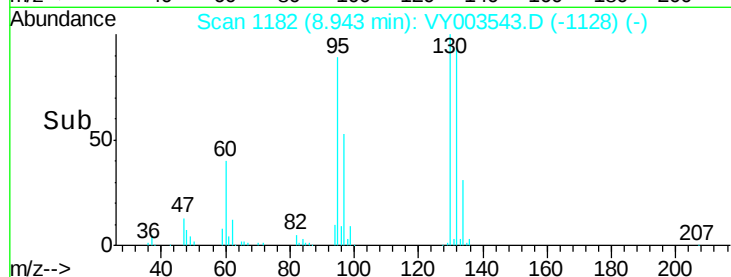
97 63.6 44.5 82.7

132 104.4 73.1 135.7

130 108.7 76.1 141.3



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



#36

Methylcyclohexane

Concen: 25.589 ug/L

RT: 9.19 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

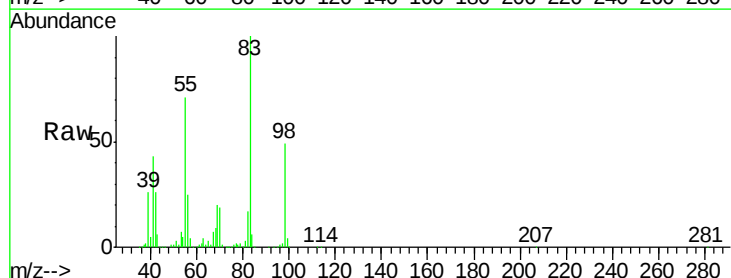
Tgt Ion: 83 Resp: 136361

Ion Ratio Lower Upper

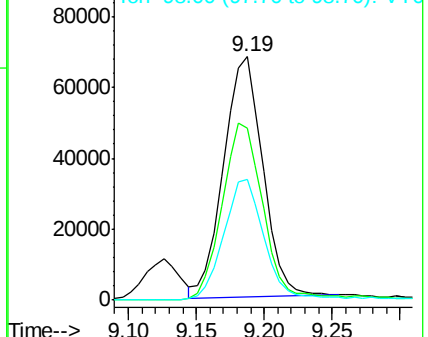
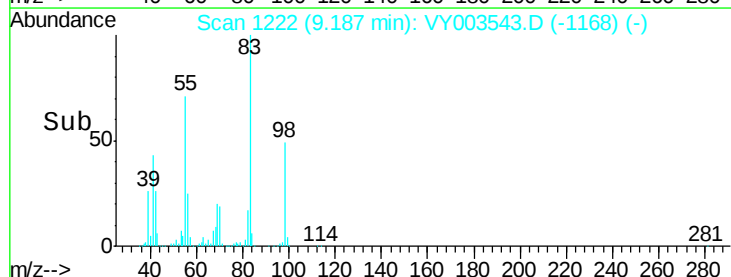
83 100

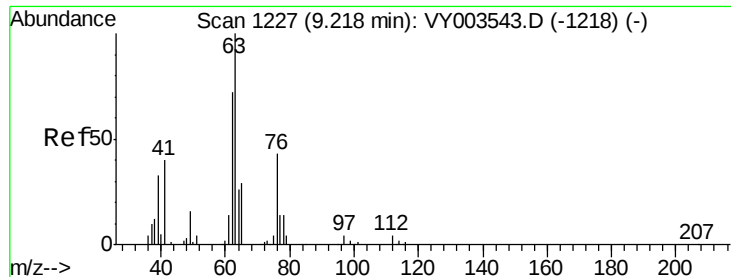
55 76.0 60.8 91.2

98 50.8 40.6 61.0



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

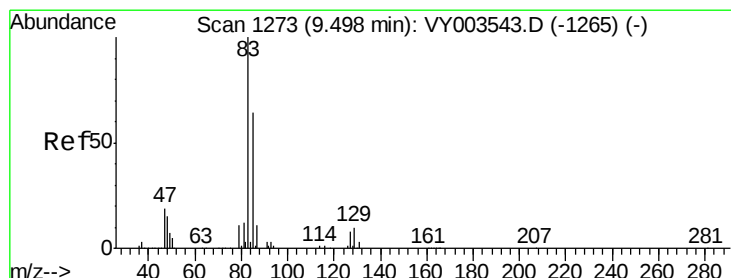
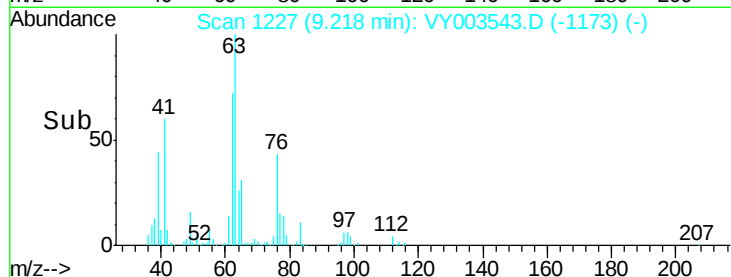
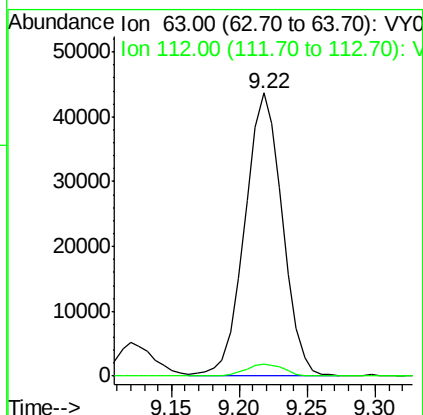
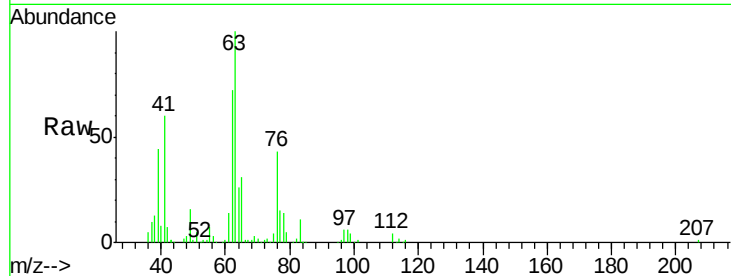




#40
 1,2-Dichloropropane
 Concen: 24.898 ug/L
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY003543.D
 Acq: 19 Nov 2020 12:09

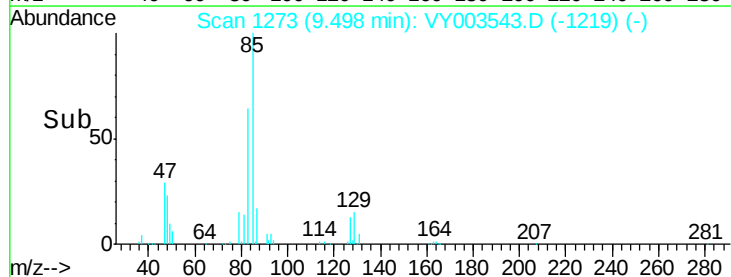
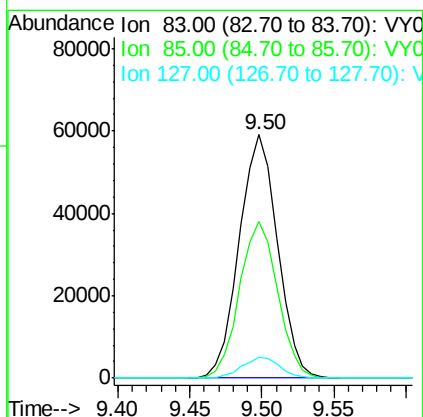
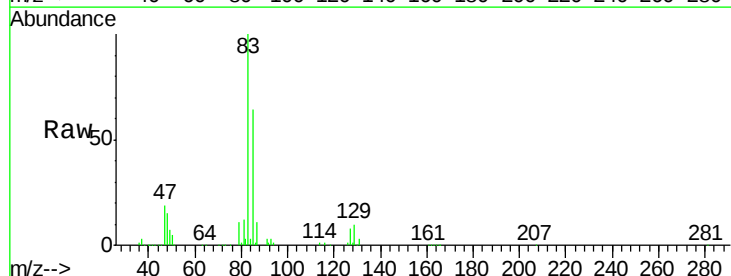
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02578

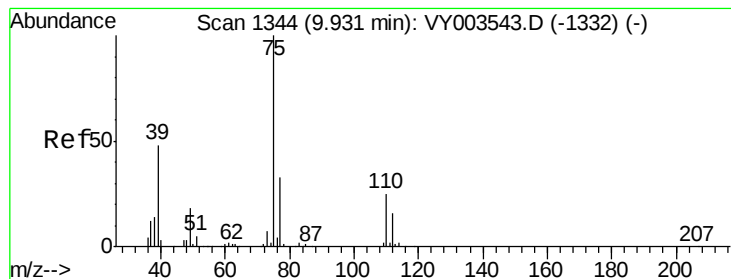
Tgt Ion: 63 Resp: 84772
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#41
 Bromodichloromethane
 Concen: 25.039 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VY003543.D
 Acq: 19 Nov 2020 12:09

Tgt Ion: 83 Resp: 109216
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.7
 127 8.5 6.8 10.2



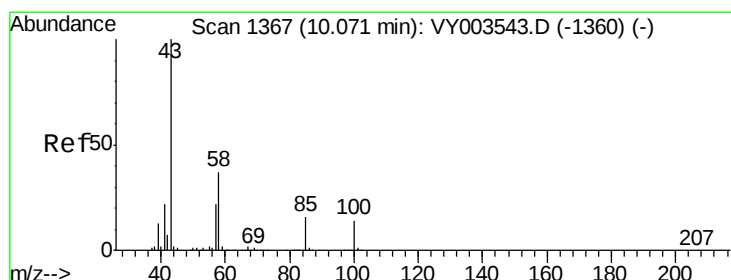
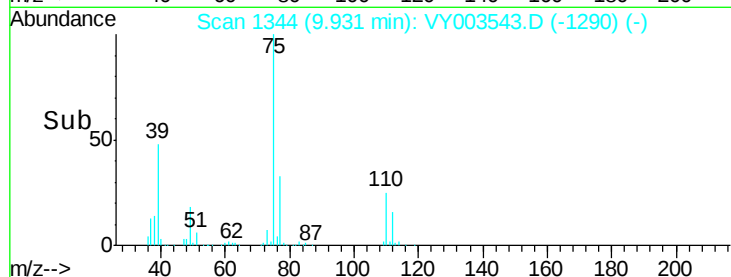
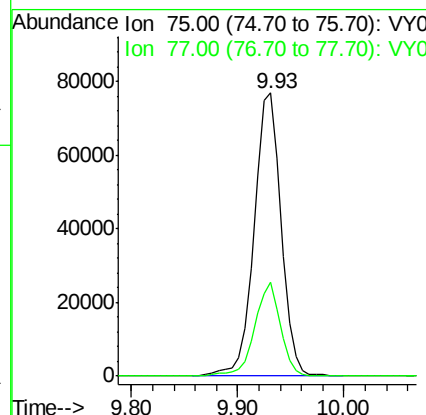
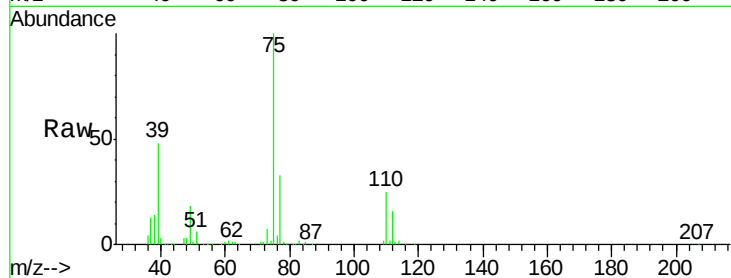


#42

cis-1,3-Dichloropropene
 Concen: 25.660 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY003543.D
 Acq: 19 Nov 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02578

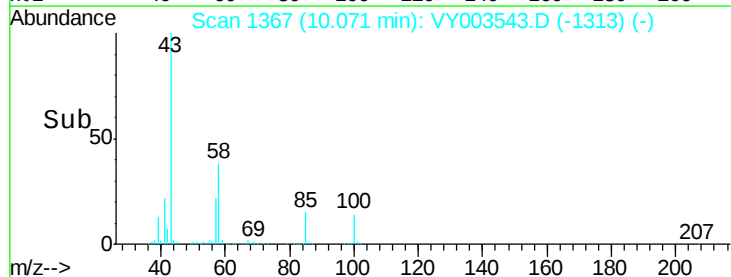
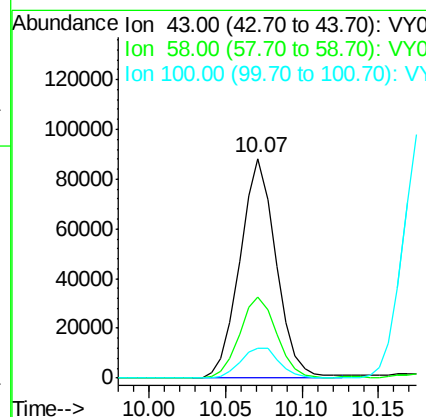
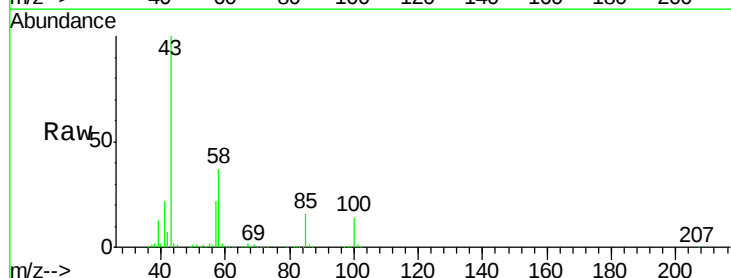
Tgt Ion: 75 Resp: 137359
 Ion Ratio Lower Upper
 75 100
 77 33.1 23.2 43.0

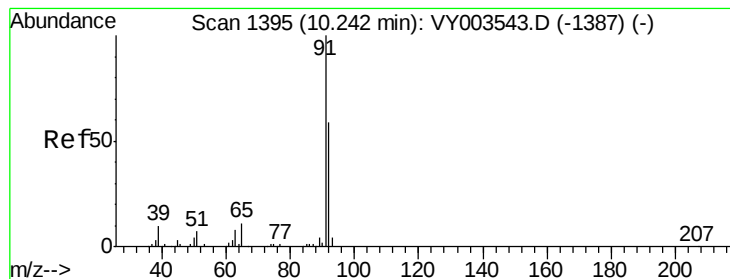


#43

4-Methyl-2-pentanone
 Concen: 50.363 ug/L
 RT: 10.07 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VY003543.D
 Acq: 19 Nov 2020 12:09

Tgt Ion: 43 Resp: 145682
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.2 45.2
 100 14.6 11.7 17.5





#44

Toluene

Concen: 25.847 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

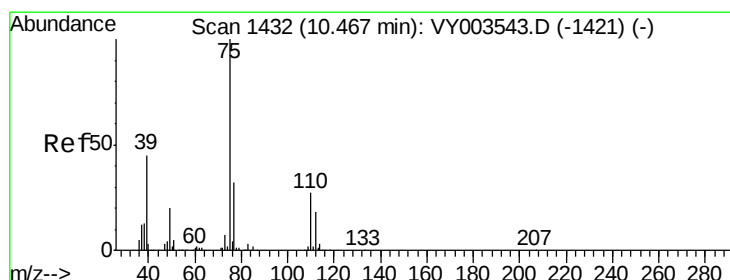
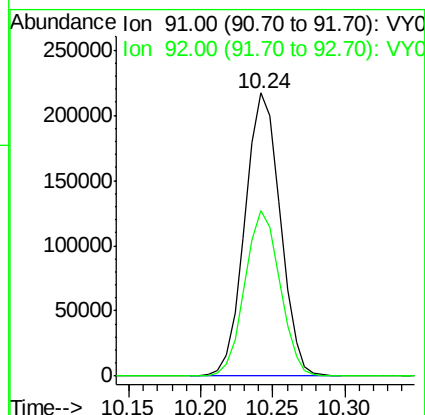
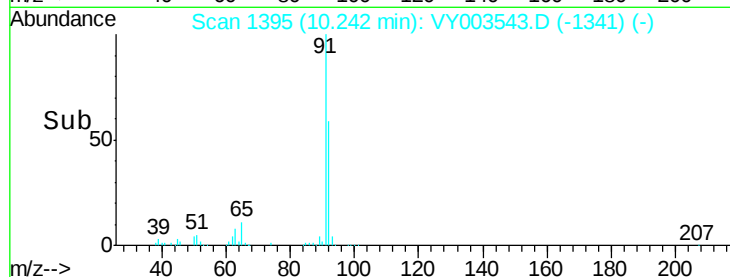
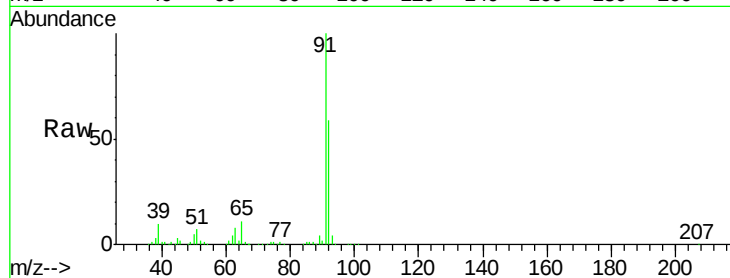
VSTD02578

Tgt Ion: 91 Resp: 368572

Ion Ratio Lower Upper

91 100

92 58.6 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 25.525 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY003543.D

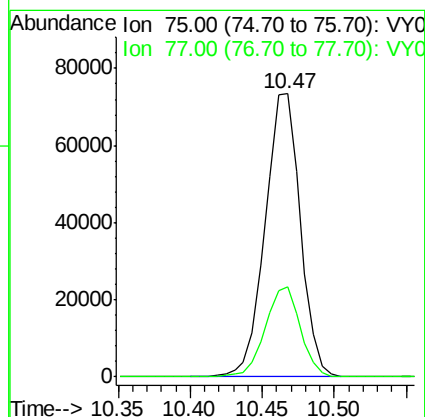
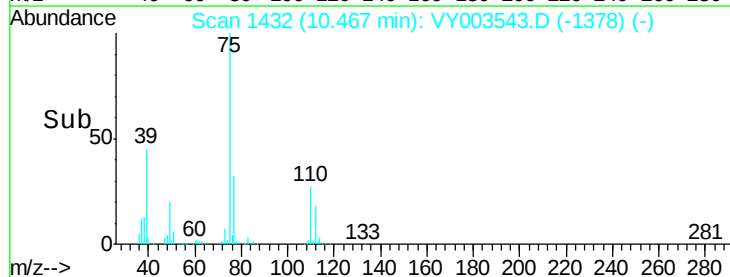
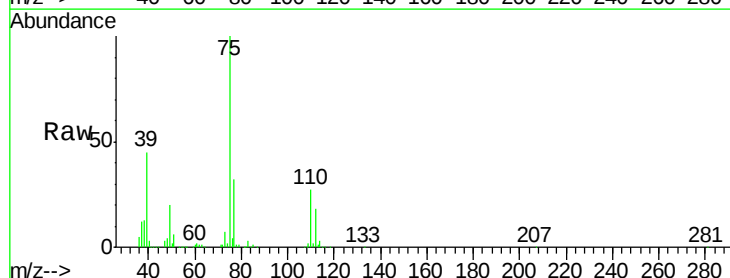
Acq: 19 Nov 2020 12:09

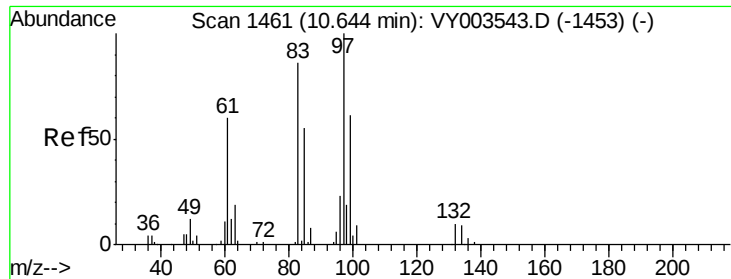
Tgt Ion: 75 Resp: 124630

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1

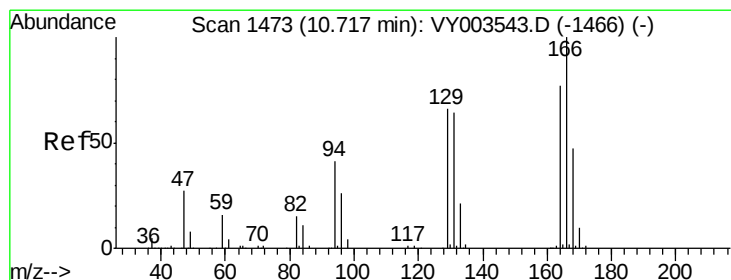
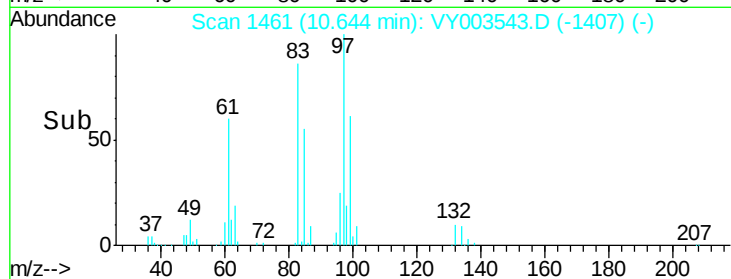
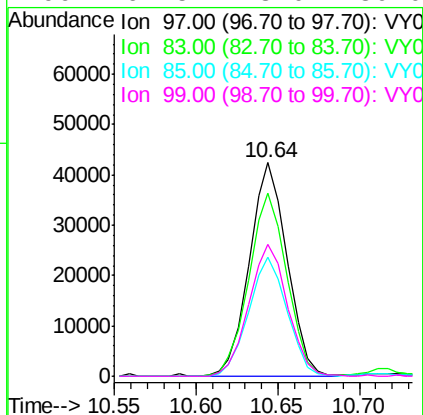
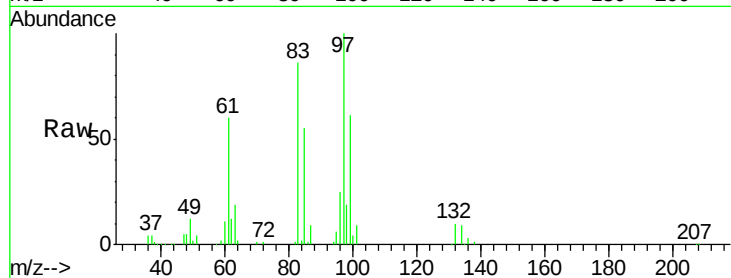




#46
 1,1,2-Trichloroethane
 Concen: 25.032 ug/L
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY003543.D
 Acq: 19 Nov 2020 12:09

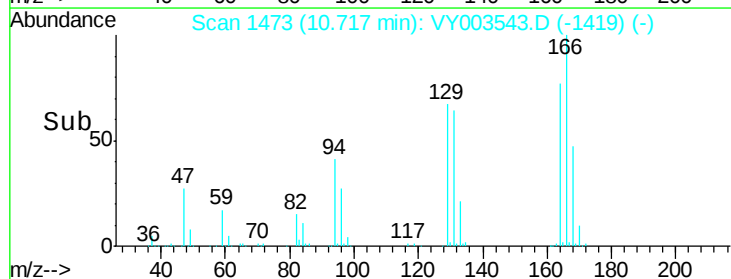
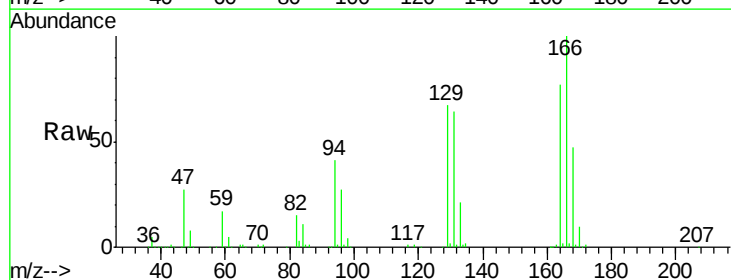
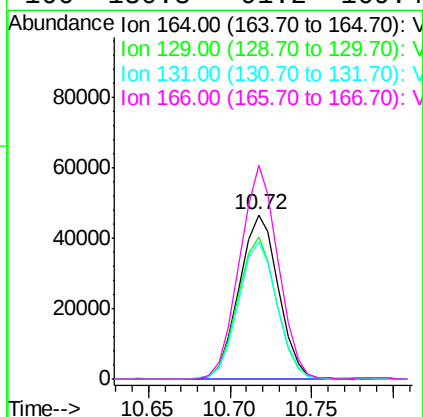
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02578

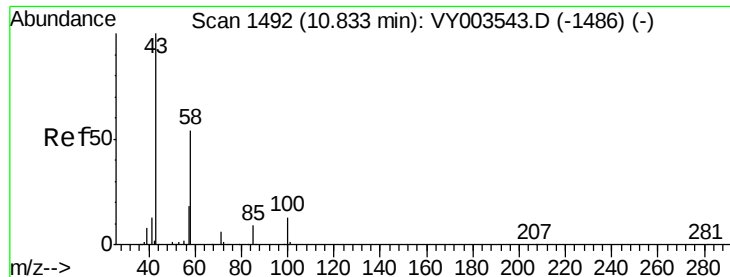
Tgt Ion: 97 Resp: 68428
 Ion Ratio Lower Upper
 97 100
 83 85.8 60.1 111.5
 85 55.5 38.9 72.2
 99 61.5 43.0 80.0



#47
 Tetrachloroethene
 Concen: 25.767 ug/L
 RT: 10.72 min Scan# 1473
 Delta R.T. 0.00 min
 Lab File: VY003543.D
 Acq: 19 Nov 2020 12:09

Tgt Ion: 164 Resp: 78204
 Ion Ratio Lower Upper
 164 100
 129 86.6 60.6 112.6
 131 83.9 58.7 109.1
 166 130.3 91.2 169.4





#49

2-Hexanone

Concen: 53.864 ug/L

RT: 10.83 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02578

Tgt Ion: 43 Resp: 115421

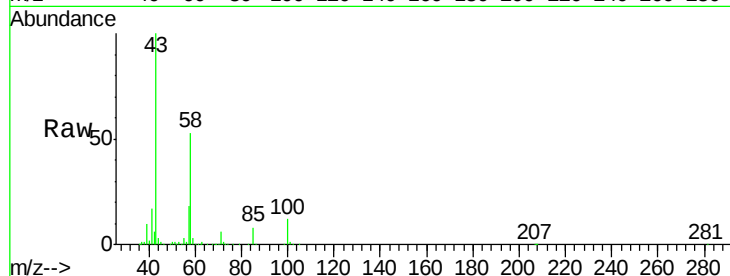
Ion Ratio Lower Upper

43 100

58 52.6 42.1 63.1

57 17.7 14.2 21.2

100 11.9 9.5 14.3

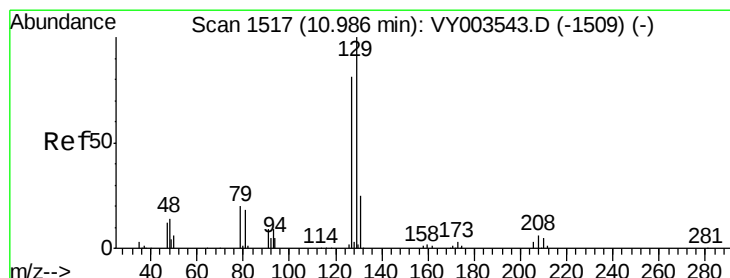
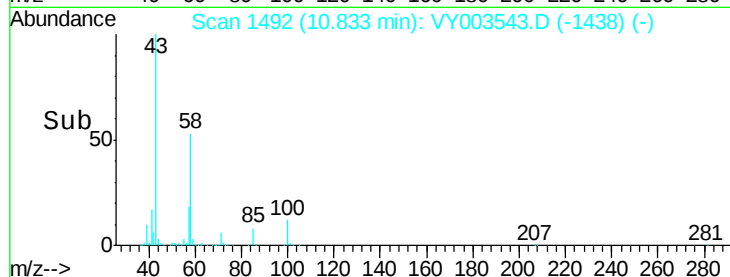
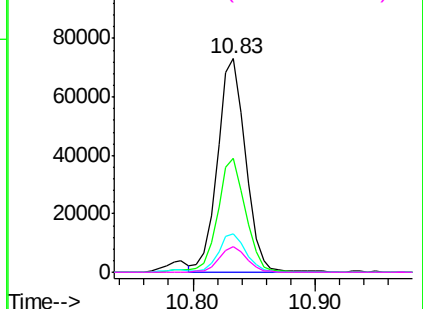


Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 25.488 ug/L

RT: 10.99 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VY003543.D

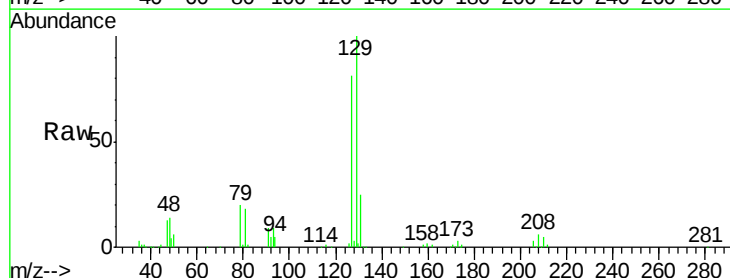
Acq: 19 Nov 2020 12:09

Tgt Ion: 129 Resp: 82024

Ion Ratio Lower Upper

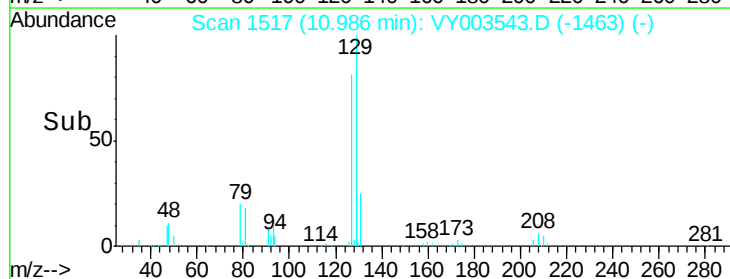
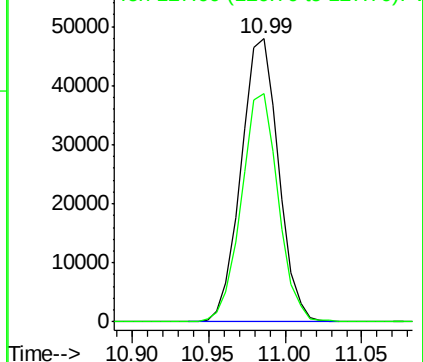
129 100

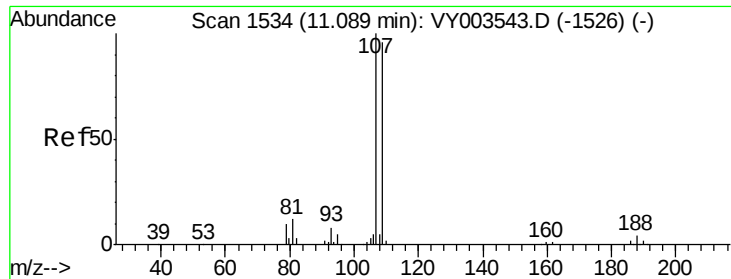
127 80.8 56.6 105.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

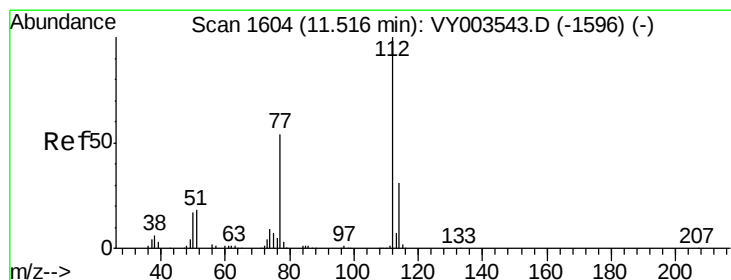
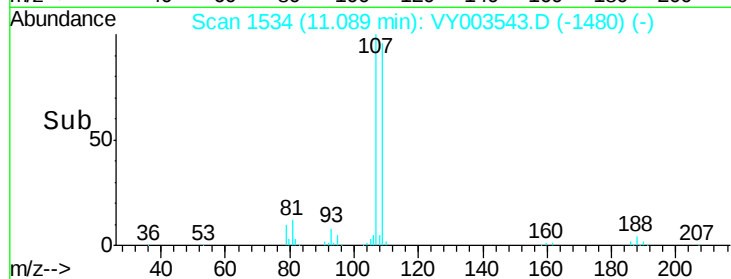
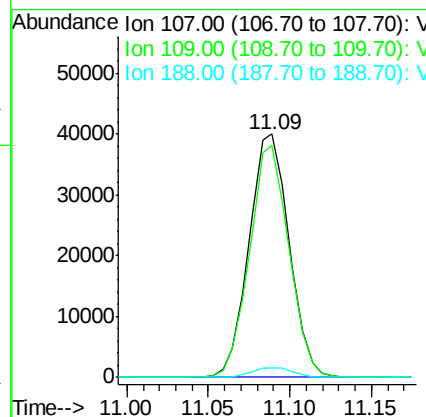
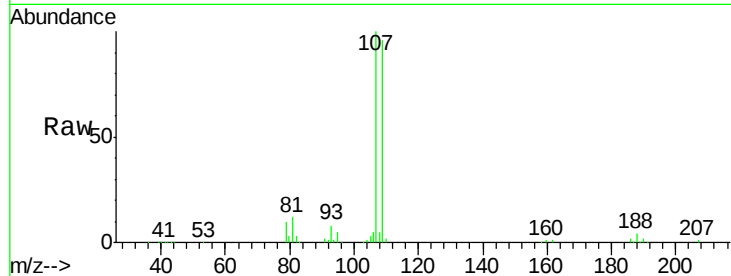




#51
 1,2-Dibromoethane
 Concen: 25.187 ug/L
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY003543.D
 Acq: 19 Nov 2020 12:09

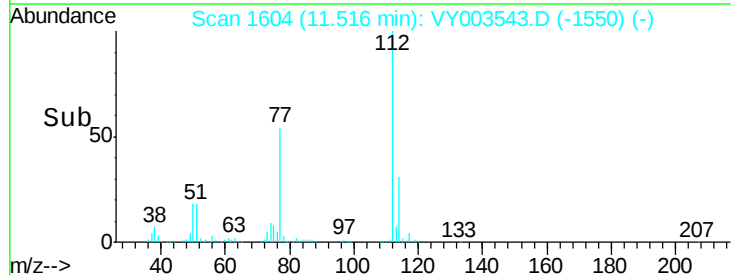
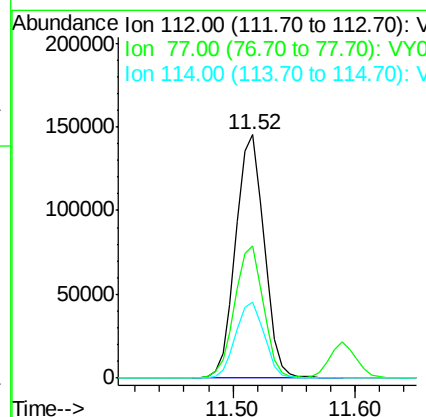
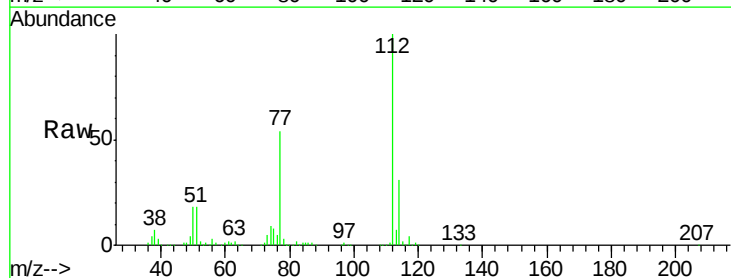
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02578

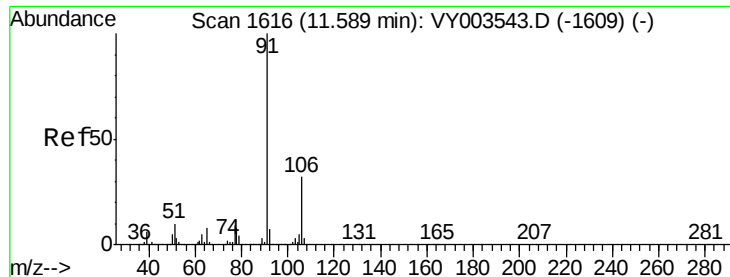
Tgt Ion:107 Resp: 68360
 Ion Ratio Lower Upper
 107 100
 109 95.5 66.8 124.2
 188 4.1 3.3 4.9



#52
 Chlorobenzene
 Concen: 25.559 ug/L
 RT: 11.52 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VY003543.D
 Acq: 19 Nov 2020 12:09

Tgt Ion:112 Resp: 233848
 Ion Ratio Lower Upper
 112 100
 77 54.1 43.3 64.9
 114 31.3 21.9 40.7





#53

Ethylbenzene

Concen: 26.512 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

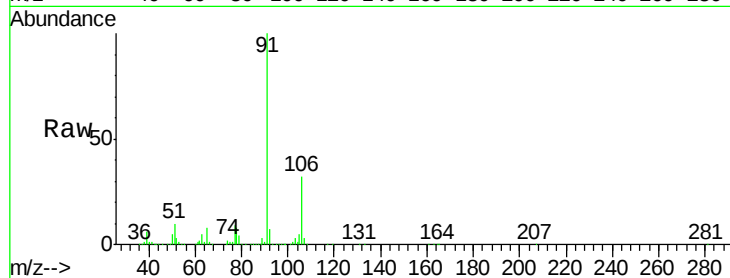
VSTD02578

Tgt Ion: 91 Resp: 384081

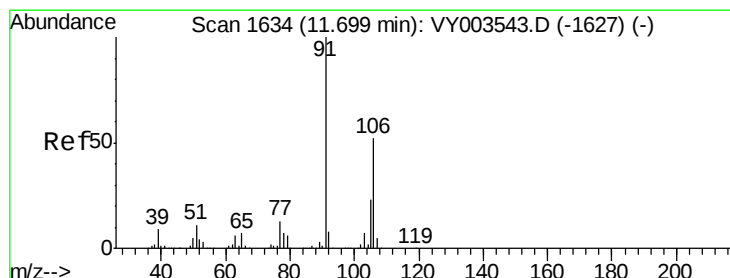
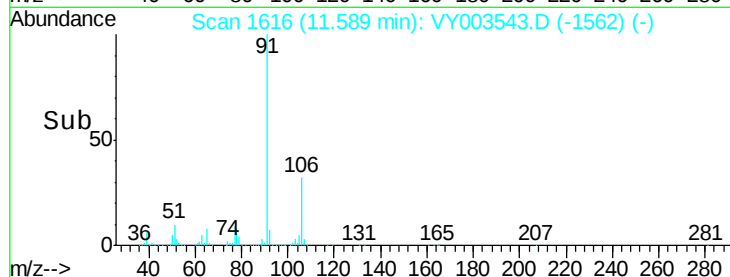
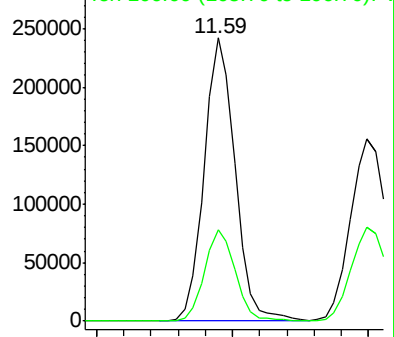
Ion Ratio Lower Upper

91 100

106 32.1 22.5 41.7



Abundance Ion 91.00 (90.70 to 91.70): VY003543.D (-1609) (-)



#54

m,p-Xylene

Concen: 26.229 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY003543.D

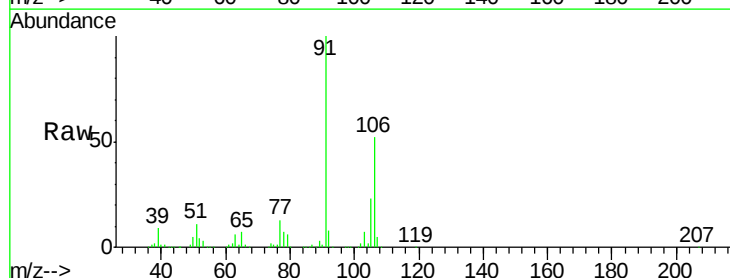
Acq: 19 Nov 2020 12:09

Tgt Ion: 106 Resp: 148110

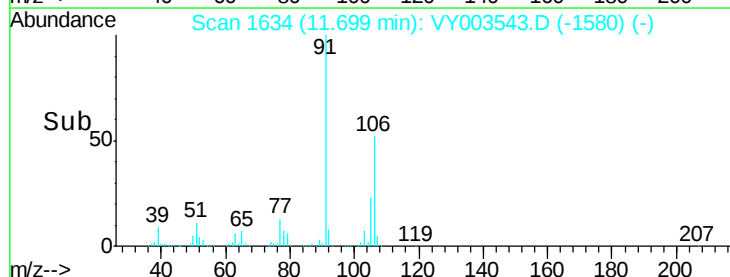
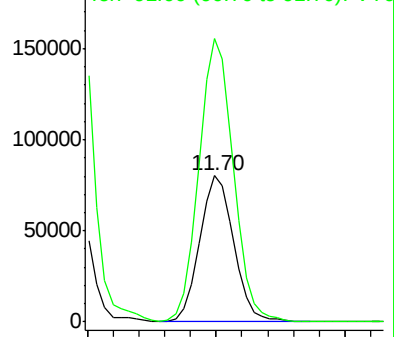
Ion Ratio Lower Upper

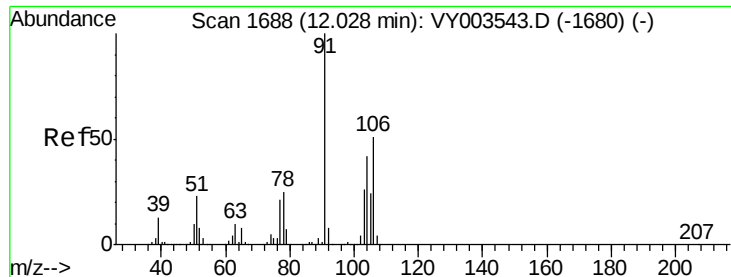
106 100

91 193.7 135.6 251.8



Abundance Ion 106.00 (105.70 to 106.70): VY003543.D (-1627) (-)





#55

o-xylene

Concen: 26.546 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

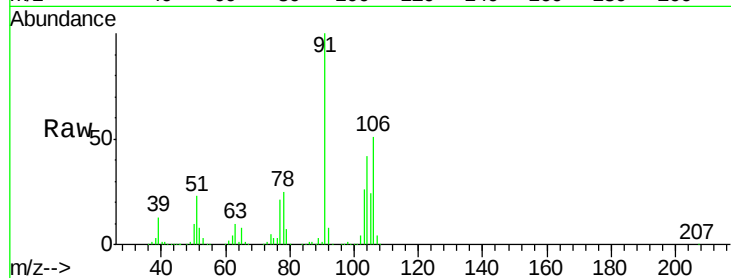
VSTD02578

Tgt Ion:106 Resp: 126058

Ion Ratio Lower Upper

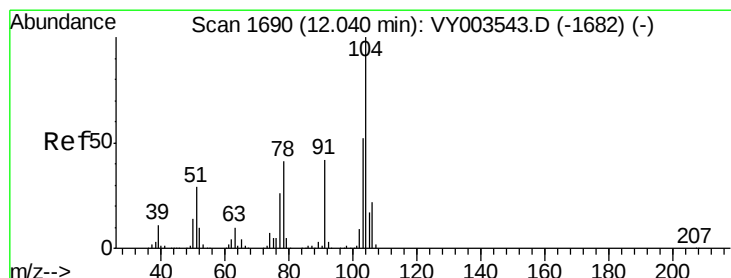
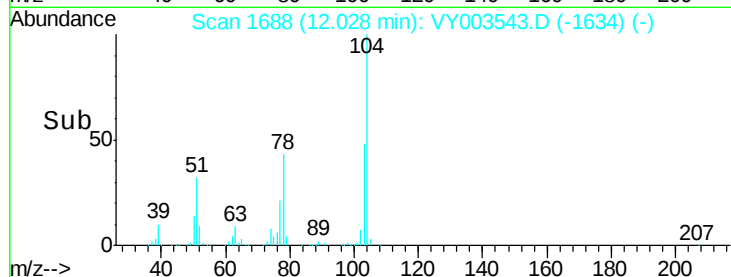
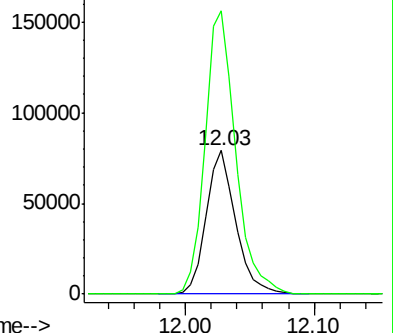
106 100

91 197.5 138.3 256.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 26.502 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VY003543.D

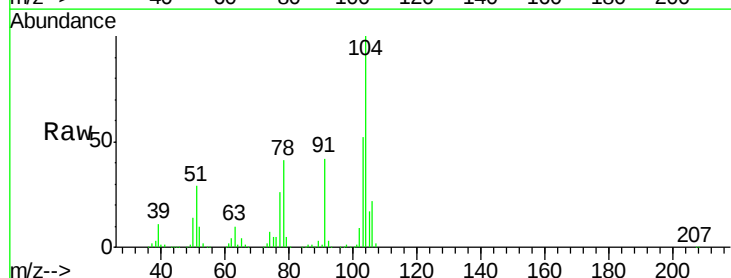
Acq: 19 Nov 2020 12:09

Tgt Ion:104 Resp: 244372

Ion Ratio Lower Upper

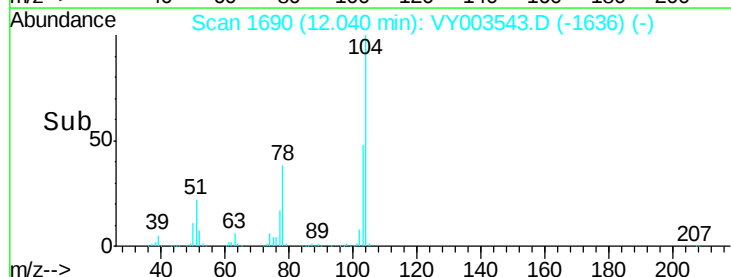
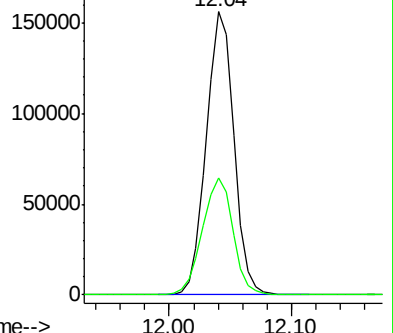
104 100

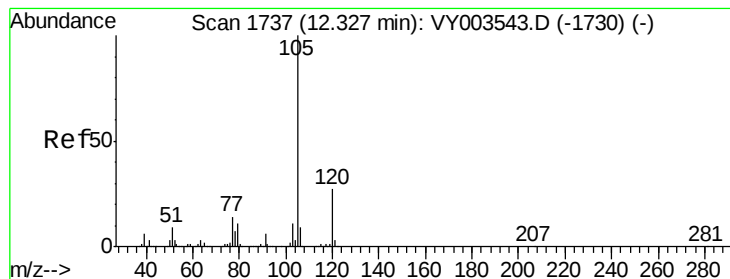
78 41.2 28.8 53.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 27.316 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02578

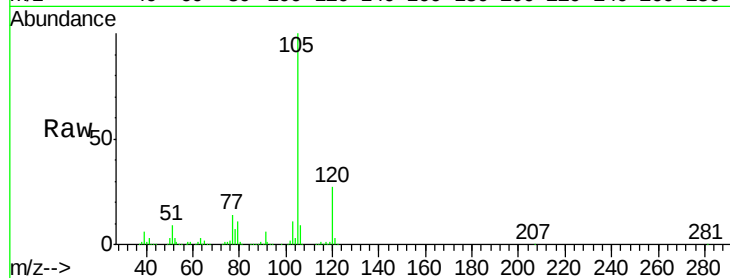
Tgt Ion: 105 Resp: 285886

Ion Ratio Lower Upper

105 100

120 27.1 21.7 32.5

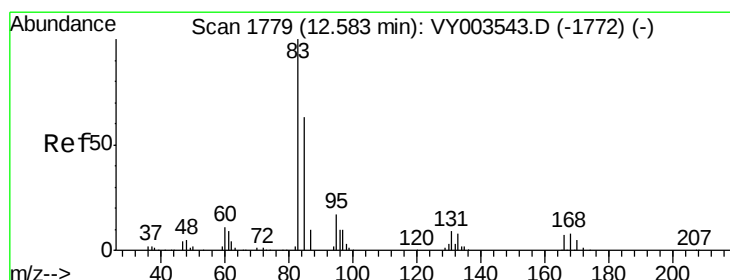
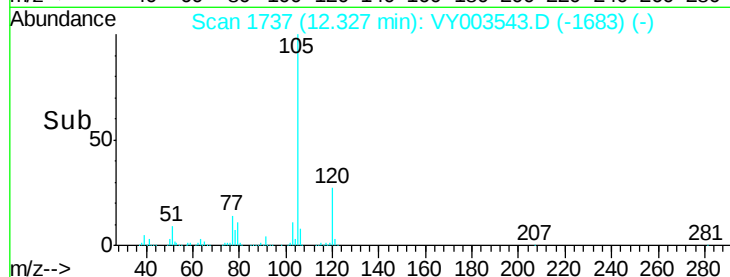
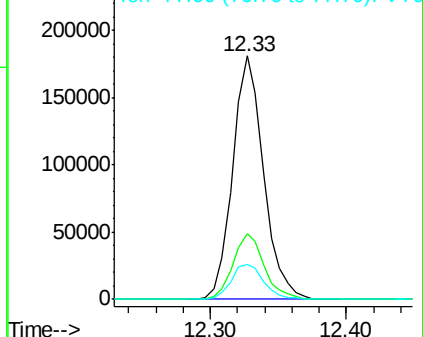
77 15.1 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.478 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

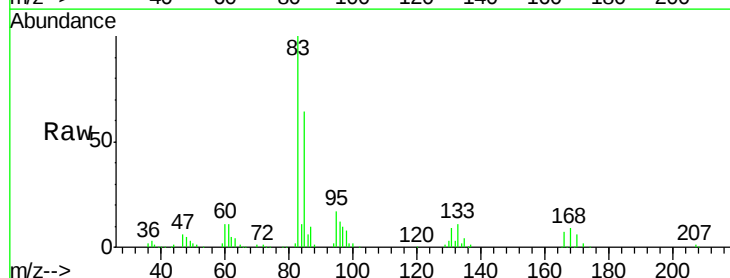
Tgt Ion: 83 Resp: 80810

Ion Ratio Lower Upper

83 100

85 64.0 44.8 83.2

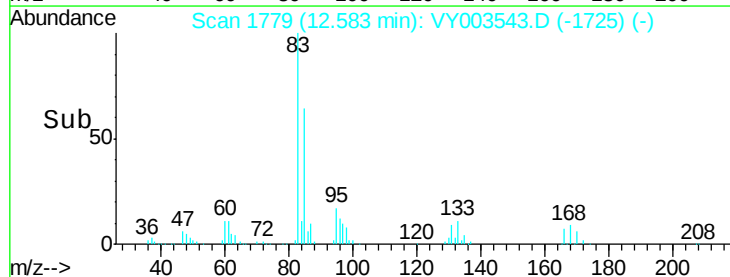
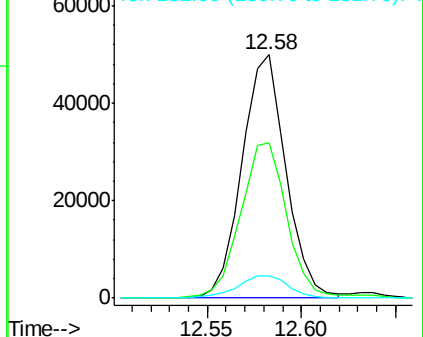
131 9.1 7.3 10.9

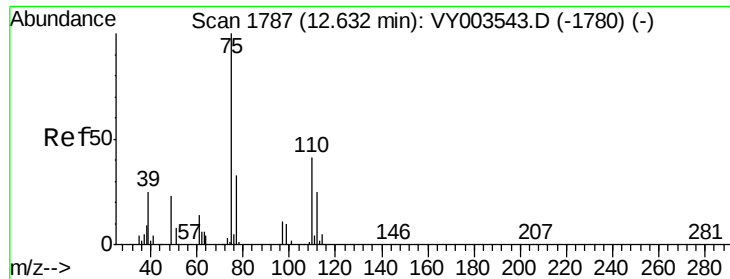


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.264 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

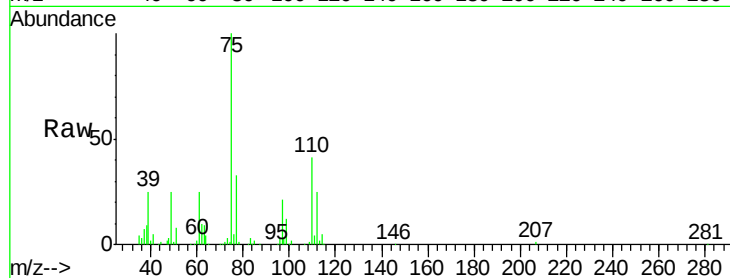
VSTD02578

Tgt Ion: 75 Resp: 62452

Ion Ratio Lower Upper

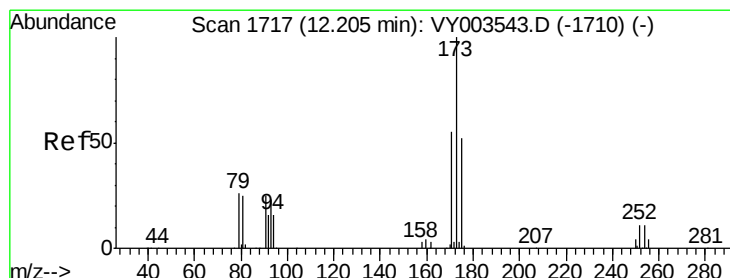
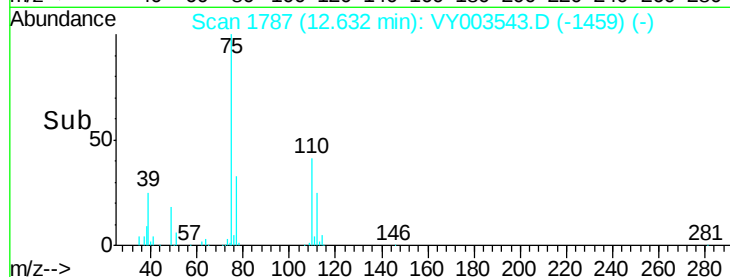
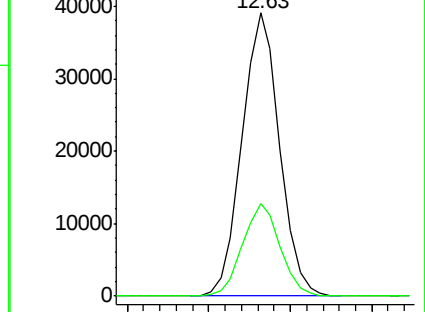
75 100

77 32.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VY003543.D (-1780) (-)

Ion 77.00 (76.70 to 77.70): VY003543.D (-1780) (-)



#62

Bromoform

Concen: 24.952 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

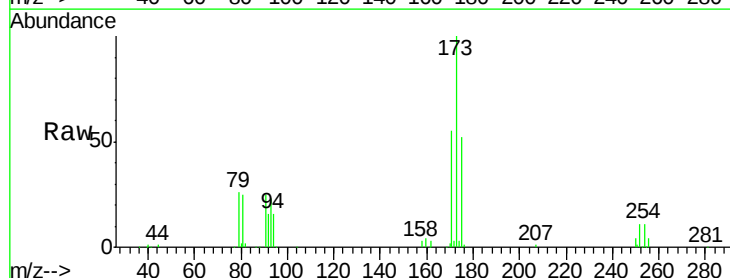
Tgt Ion: 173 Resp: 55165

Ion Ratio Lower Upper

173 100

175 49.4 39.5 59.3

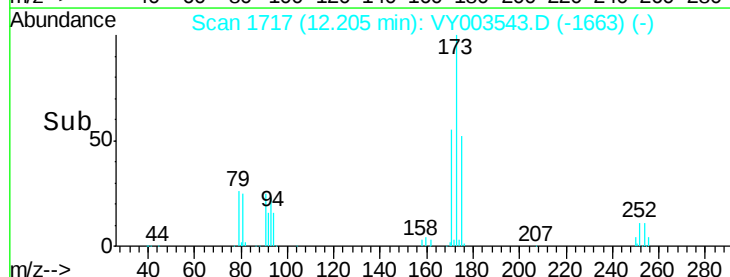
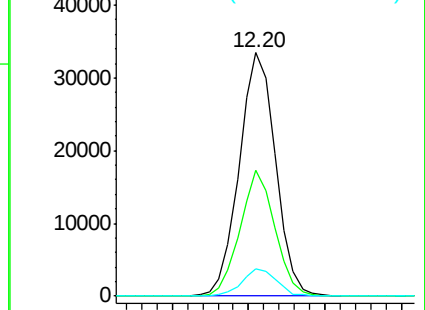
254 10.7 8.6 12.8

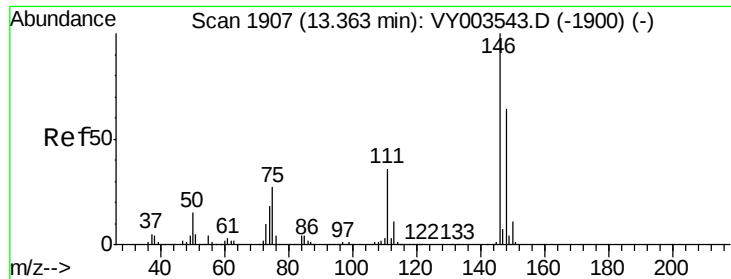


Abundance Ion 173.00 (172.70 to 173.70): VY003543.D (-1710) (-)

Ion 175.00 (174.70 to 175.70): VY003543.D (-1710) (-)

Ion 254.00 (253.70 to 254.70): VY003543.D (-1710) (-)

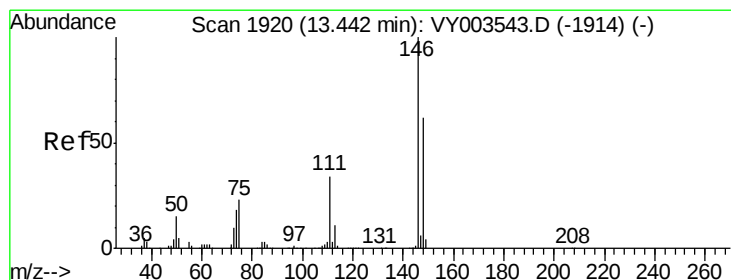
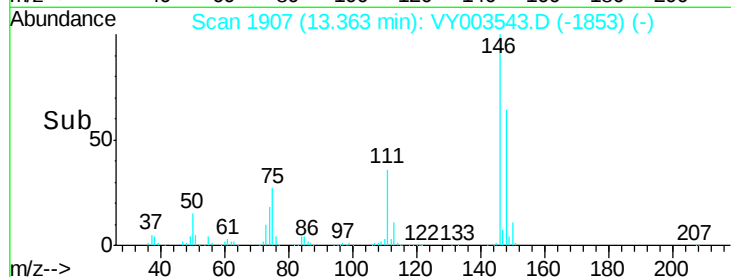
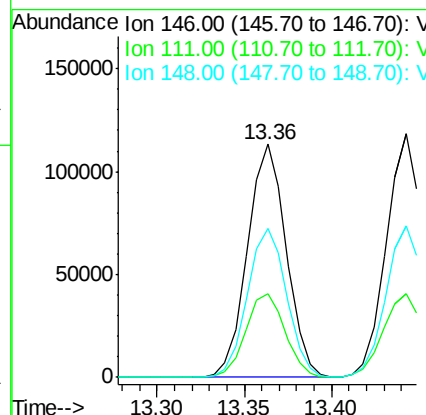
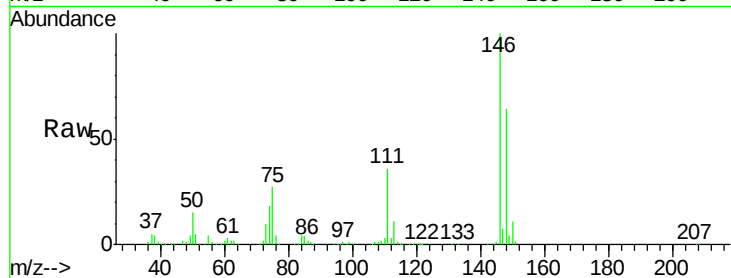




#63
 1,3-Dichlorobenzene
 Concen: 25.725 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003543.D
 Acq: 19 Nov 2020 12:09

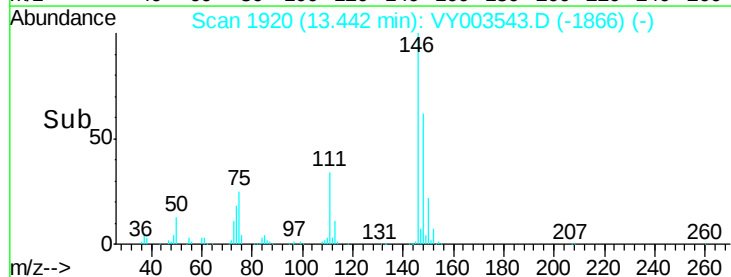
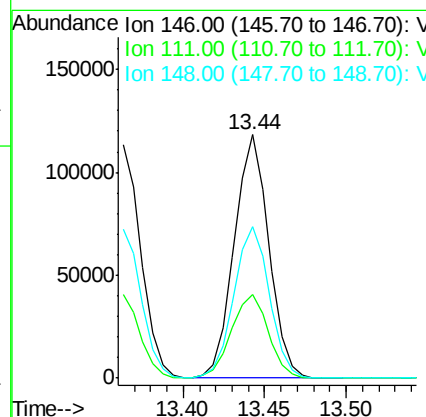
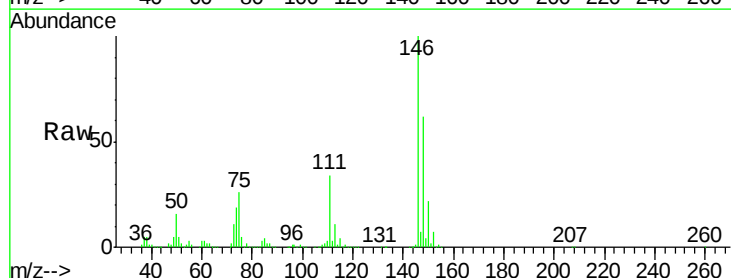
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02578

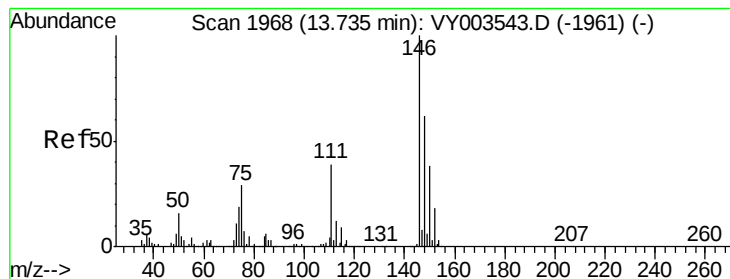
Tgt Ion:146 Resp: 174273
 Ion Ratio Lower Upper
 146 100
 111 35.8 25.1 46.5
 148 63.8 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 25.109 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY003543.D
 Acq: 19 Nov 2020 12:09

Tgt Ion:146 Resp: 175035
 Ion Ratio Lower Upper
 146 100
 111 34.5 24.1 44.8
 148 62.3 43.6 81.0





#65

1,2-Dichlorobenzene

Concen: 25.695 ug/L

RT: 13.74 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02578

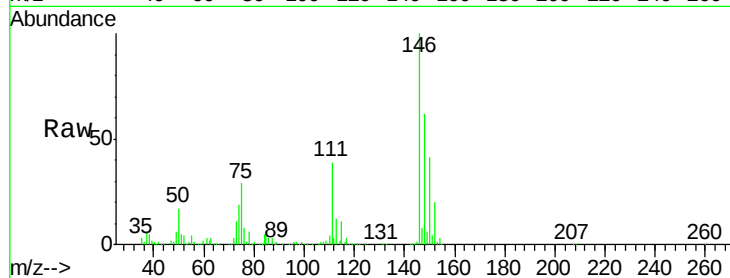
Tgt Ion:146 Resp: 142972

Ion Ratio Lower Upper

146 100

111 38.8 31.0 46.6

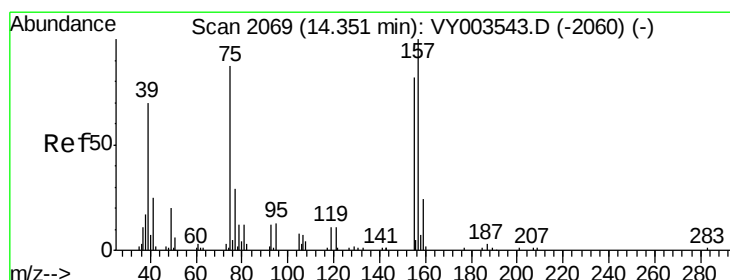
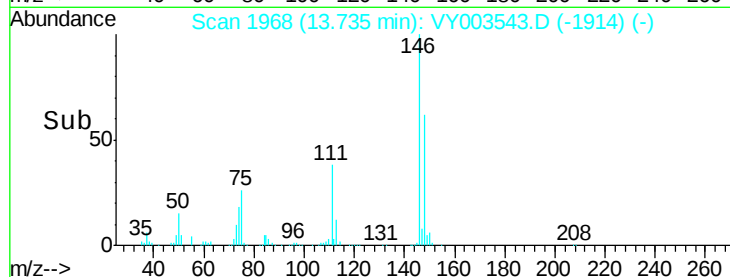
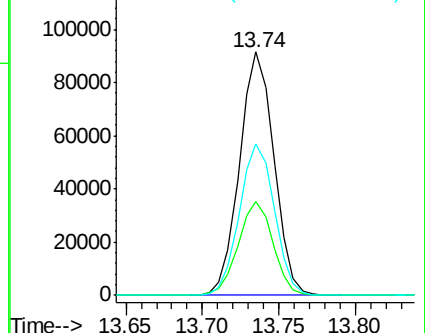
148 62.3 49.8 74.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 26.555 ug/L

RT: 14.35 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

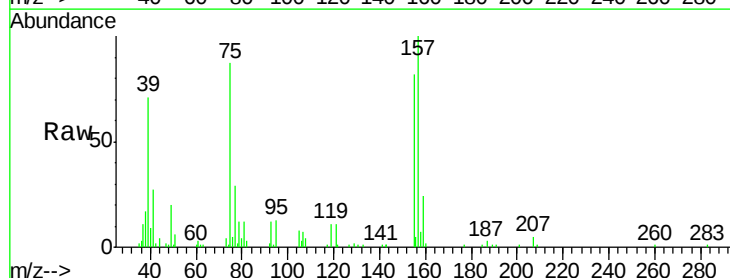
Tgt Ion: 75 Resp: 11600

Ion Ratio Lower Upper

75 100

157 114.7 91.8 137.6

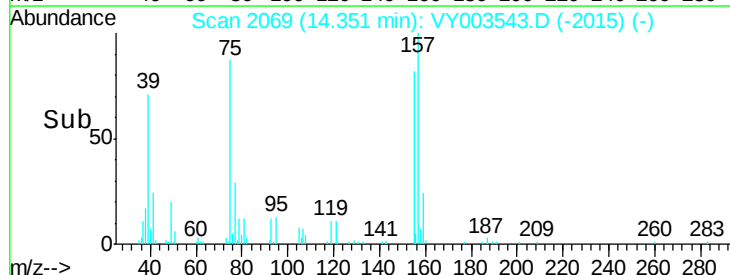
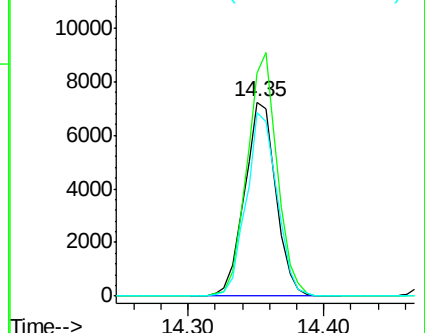
155 94.6 75.7 113.5

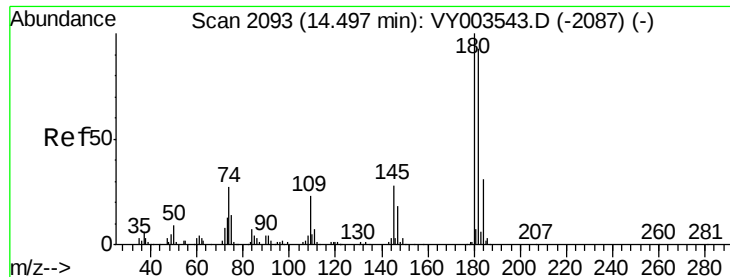


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

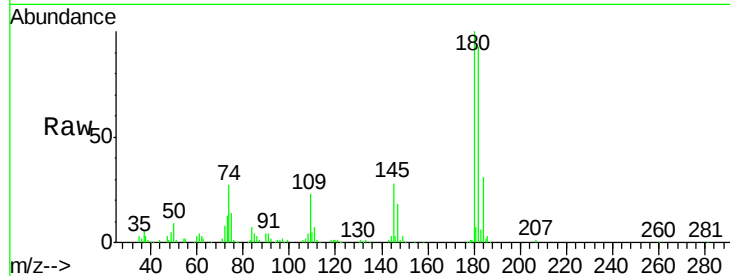




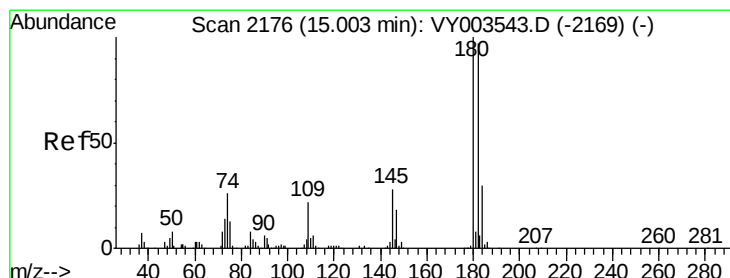
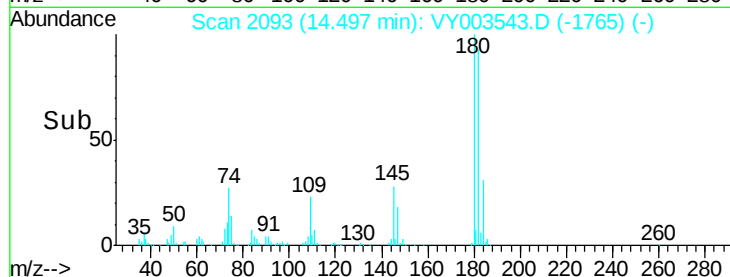
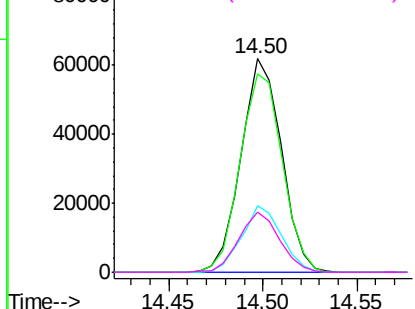
#67
 1,3,5-Trichlorobenzene
 Concen: 26.086 ug/L
 RT: 14.50 min Scan# 2093
 Delta R.T. 0.00 min
 Lab File: VY003543.D
 Acq: 19 Nov 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02578

Tgt Ion:180 Resp: 92438
 Ion Ratio Lower Upper
 180 100
 182 96.6 77.3 115.9
 184 30.5 24.4 36.6
 145 28.0 22.4 33.6

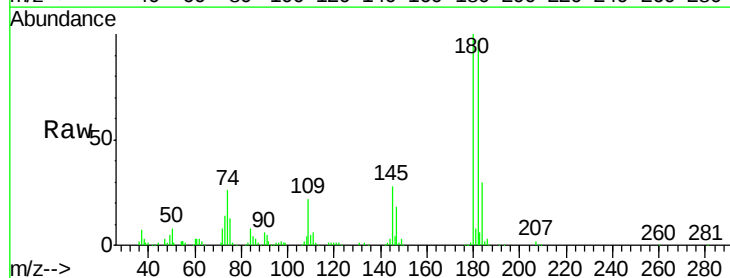


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

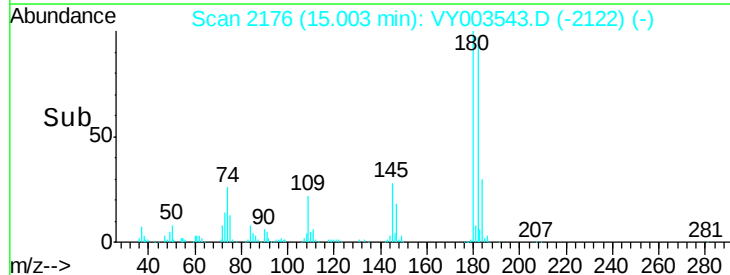
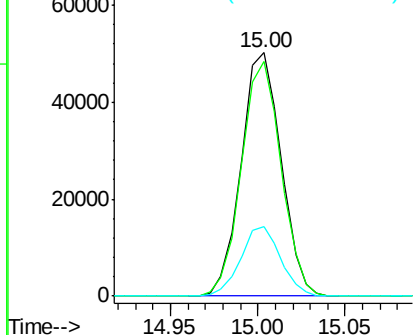


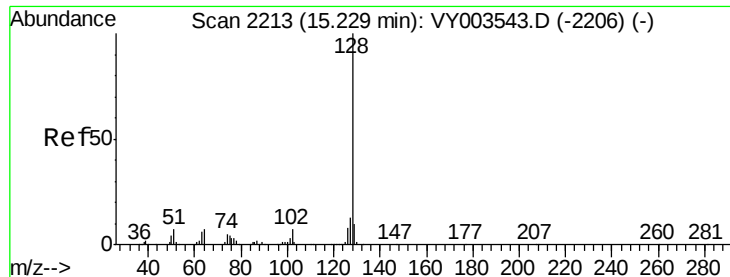
#68
 1,2,4-trichlorobenzene
 Concen: 26.025 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY003543.D
 Acq: 19 Nov 2020 12:09

Tgt Ion:180 Resp: 80008
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.5 114.7
 145 28.5 22.8 34.2



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





#69

Naphthalene

Concen: 26.463 ug/L

RT: 15.23 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02578

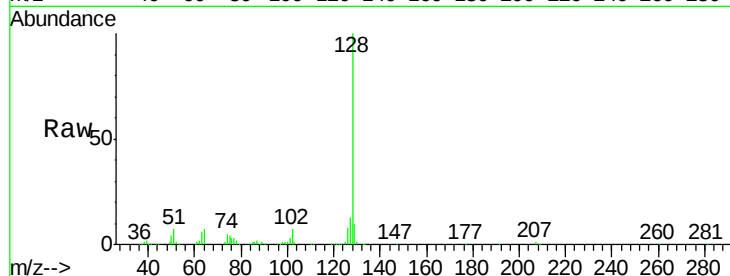
Tgt Ion:128 Resp: 144145

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

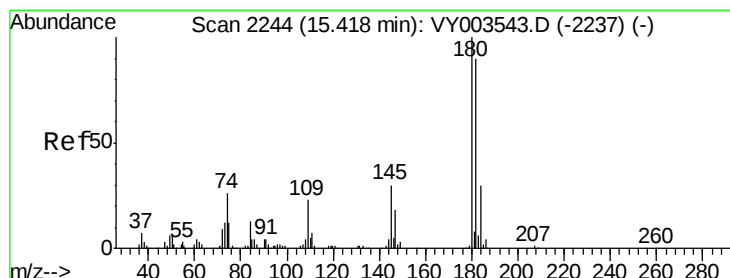
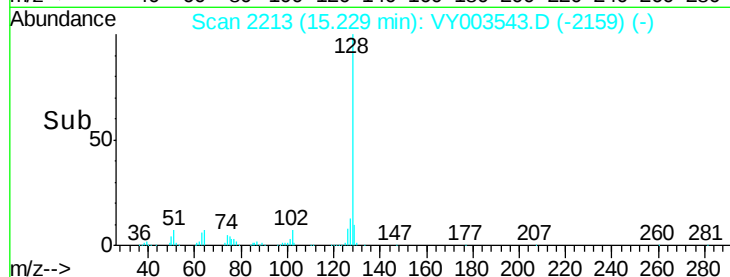
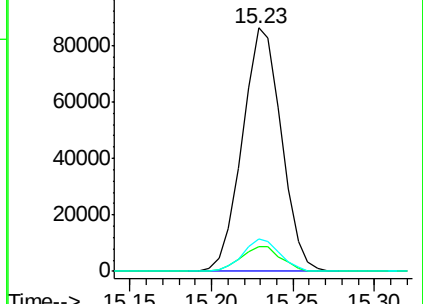
127 12.7 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.530 ug/L

RT: 15.42 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VY003543.D

Acq: 19 Nov 2020 12:09

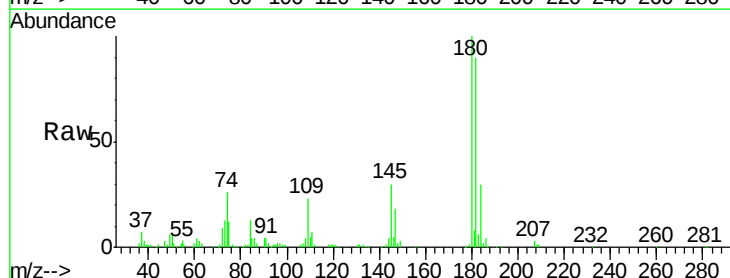
Tgt Ion:180 Resp: 59444

Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

145 31.5 25.2 37.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

