

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121420\
 Data File : VY003745.D
 Acq On : 14 Dec 2020 12:47
 Operator : SY/MD
 Sample : VSTD02580
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02580

Quant Time: Dec 14 13:22:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 14 13:19:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	360958	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	336130	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	173100	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	124157	24.84	ug/L	0.00
7) Chloroethane-d5	2.77	69	91749	24.24	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	257791	26.67	ug/L	0.00
20) 2-Butanone-d5	6.90	46	112517	58.78	ug/L	0.00
24) Chloroform-d	7.49	84	236241	25.64	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	133148	25.53	ug/L	0.00
29) Benzene-d6	8.12	84	494410	25.59	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.12	67	155277	26.85	ug/L	0.00
37) Toluene-d8	10.18	98	454731	26.25	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	76031	27.56	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	91185	60.46	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	140620	27.33	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	159653	25.66	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	145453	33.260	ug/L 100
3) Chloromethane	2.12	50	134526	29.225	ug/L 100
5) Vinyl chloride	2.26	62	138544	28.756	ug/L 100
6) Bromomethane	2.66	94	83950	27.547	ug/L 100
8) Chloroethane	2.80	64	81237	27.847	ug/L 100
9) Trichlorofluoromethane	3.14	101	210451	28.614	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	130109	27.754	ug/L 100
12) 1,1-Dichloroethene	3.88	96	122646	27.908	ug/L 100
13) Acetone	3.96	43	73279	53.311	ug/L 100
14) Carbon disulfide	4.21	76	434593	29.172	ug/L 100
15) Methyl Acetate	4.49	43	98589	28.402	ug/L 100
16) Methylene chloride	4.73	84	141816	22.058	ug/L 100
17) Methyl tert-butyl Ether	5.23	73	350061	27.997	ug/L 100
18) trans-1,2-Dichloroethene	5.23	96	133177	26.915	ug/L 100
19) 1,1-Dichloroethane	6.03	63	233850	27.884	ug/L 100
21) 2-Butanone	7.00	43	127422	52.664	ug/L 100
22) cis-1,2-Dichloroethene	7.00	96	141449	26.906	ug/L 100
23) Bromochloromethane	7.35	128	68962	26.305	ug/L 100
25) Chloroform	7.52	83	229130	27.194	ug/L 100
27) 1,2-Dichloroethane	8.25	62	157872	27.657	ug/L 100
30) Cyclohexane	7.79	56	231613	30.488	ug/L 100
31) 1,1,1-Trichloroethane	7.72	97	204605	27.774	ug/L 100
32) Carbon tetrachloride	7.91	117	179581	27.638	ug/L 100
34) Benzene	8.17	78	531998	27.125	ug/L 100
35) Trichloroethene	8.94	95	143425	26.692	ug/L 100
36) Methylcyclohexane	9.18	83	241759	28.964	ug/L 100
40) 1,2-Dichloropropane	9.22	63	137780	27.831	ug/L 100
41) Bromodichloromethane	9.50	83	171315	27.362	ug/L 100
42) cis-1,3-Dichloropropene	9.93	75	221062	28.356	ug/L 100
43) 4-Methyl-2-pentanone	10.07	43	274081	58.356	ug/L 100

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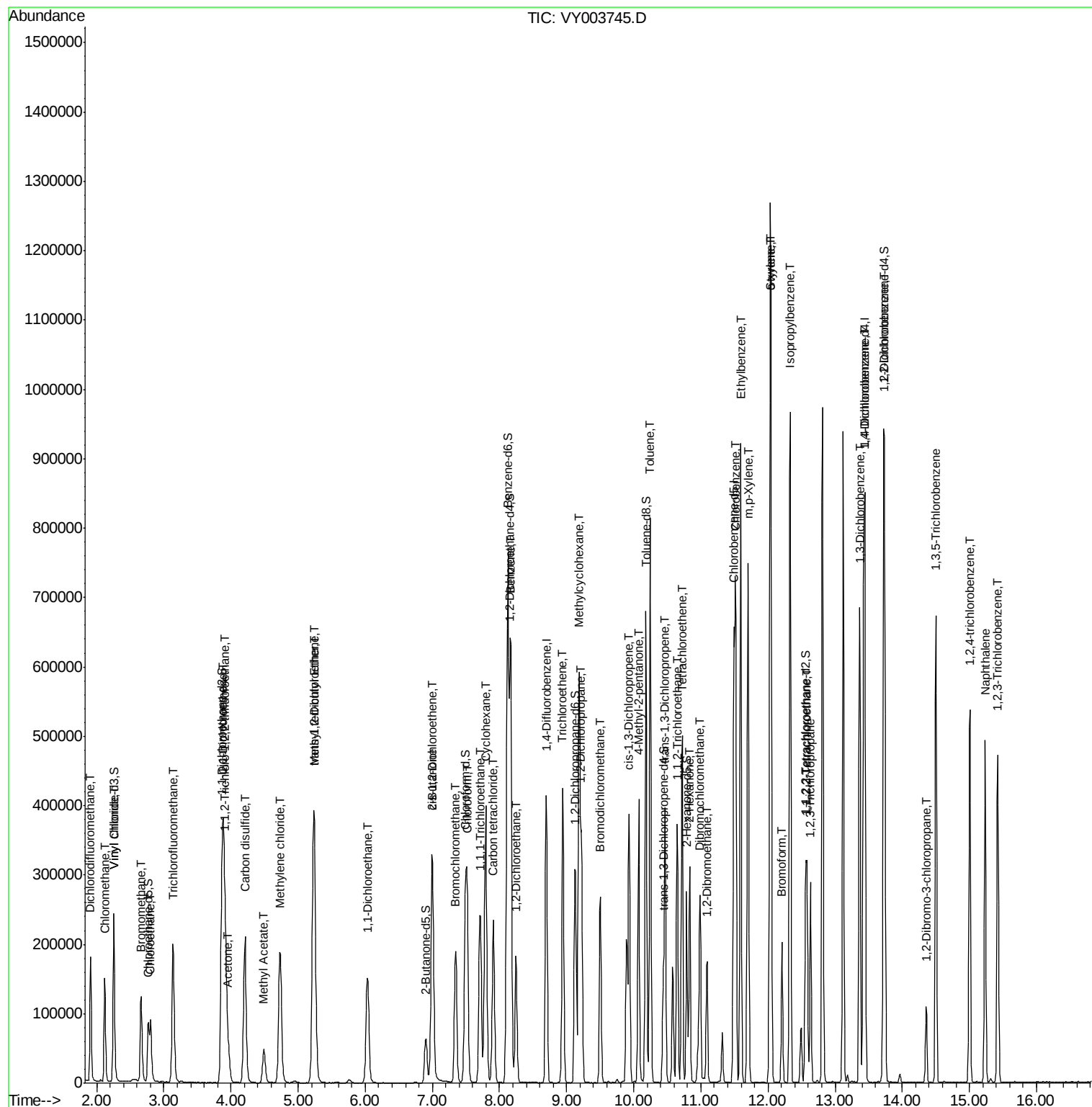
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.25	91	570501	27.619	ug/L	100
45) trans-1,3-Dichloropropene	10.47	75	205615	28.603	ug/L	100
46) 1,1,2-Trichloroethane	10.65	97	113699	26.897	ug/L	100
47) Tetrachloroethene	10.72	164	111786	26.804	ug/L	100
49) 2-Hexanone	10.83	43	197450	59.711	ug/L	100
50) Dibromochloromethane	10.98	129	133482	27.018	ug/L	100
51) 1,2-Dibromoethane	11.09	107	113606	27.646	ug/L	100
52) Chlorobenzene	11.51	112	361938	26.753	ug/L	100
53) Ethylbenzene	11.59	91	621944	27.511	ug/L	100
54) m,p-Xylene	11.70	106	241408	27.794	ug/L	100
55) o-xylene	12.03	106	229434	27.527	ug/L	100
56) Styrene	12.04	104	394057	27.688	ug/L	100
57) Isopropylbenzene	12.33	105	607076	27.825	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.58	83	135139	29.227	ug/L	100
59) 1,2,3-Trichloropropane	12.64	75	112927	27.748	ug/L	100
62) Bromoform	12.21	173	89692	26.991	ug/L	100
63) 1,3-Dichlorobenzene	13.37	146	280397	26.834	ug/L	100
64) 1,4-Dichlorobenzene	13.45	146	280864	26.540	ug/L	100
65) 1,2-Dichlorobenzene	13.74	146	260179	27.181	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.35	75	24544	27.396	ug/L	100
67) 1,3,5-Trichlorobenzene	14.50	180	199208	26.998	ug/L	100
68) 1,2,4-trichlorobenzene	15.01	180	166424	26.541	ug/L	100
69) Naphthalene	15.23	128	398493	29.652	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	150857	26.410	ug/L	100

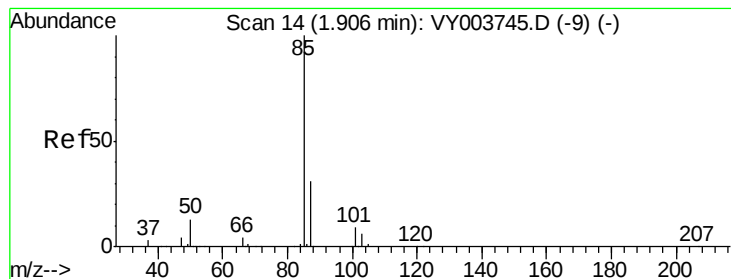
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 33.260 ug/L

RT: 1.91 min Scan# 14

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

Instrument :

MSVOA_Y

ClientSampled :

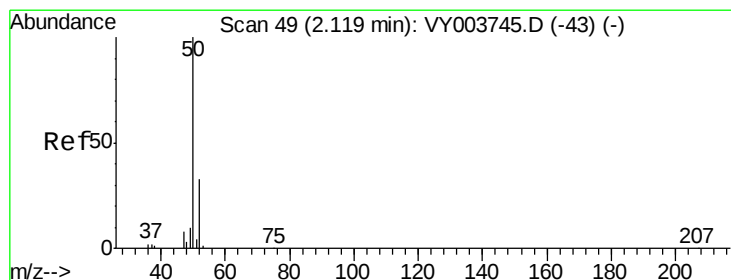
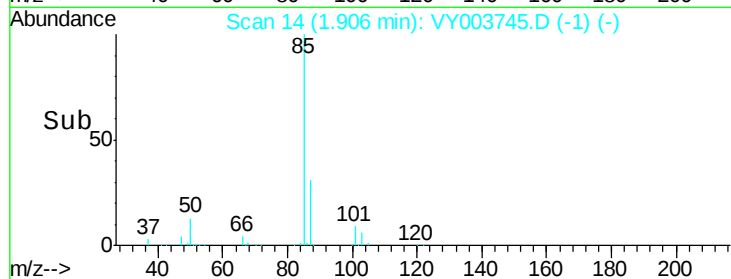
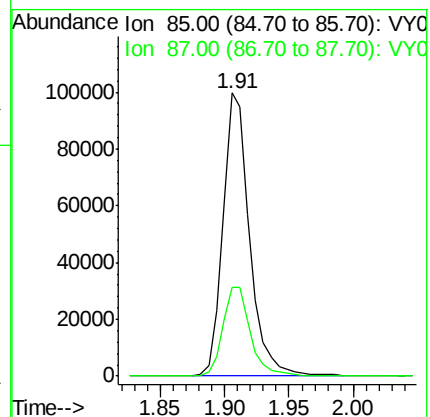
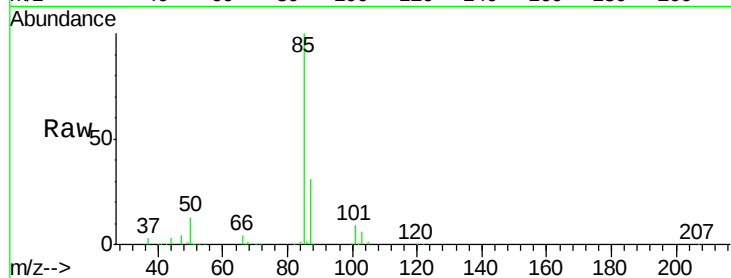
VSTD02580

Tgt Ion: 85 Resp: 145453

Ion Ratio Lower Upper

85 100

87 32.5 22.7 42.3



#3

Chloromethane

Concen: 29.225 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003745.D

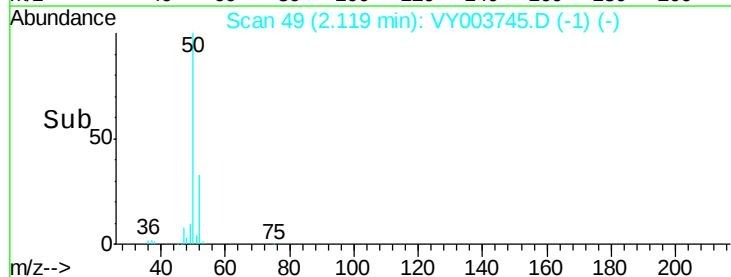
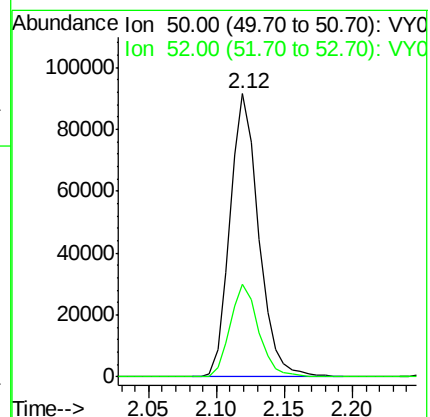
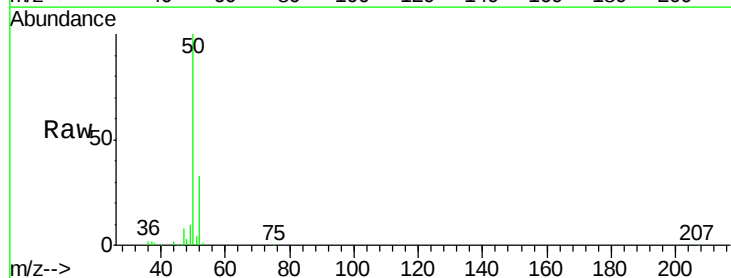
Acq: 14 Dec 2020 12:47

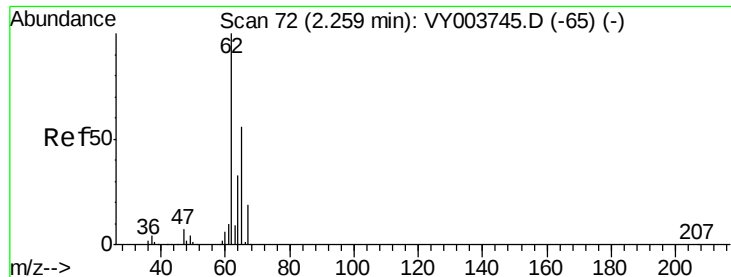
Tgt Ion: 50 Resp: 134526

Ion Ratio Lower Upper

50 100

52 32.6 22.8 42.4





#5

Vinyl chloride

Concen: 28.756 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

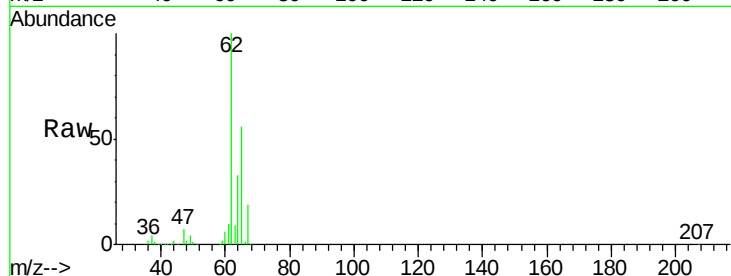
VSTD02580

Tgt Ion: 62 Resp: 138544

Ion Ratio Lower Upper

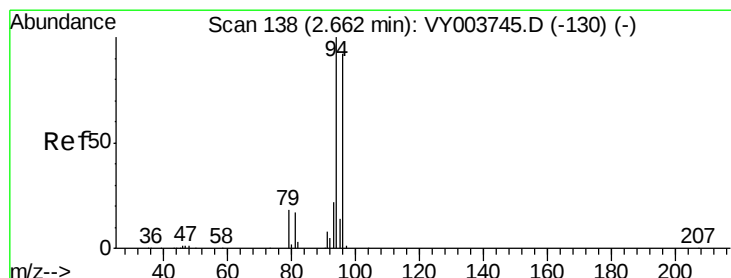
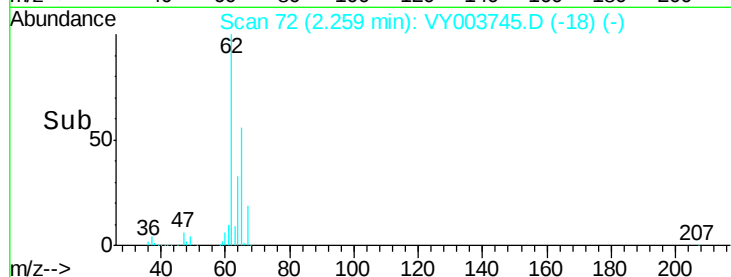
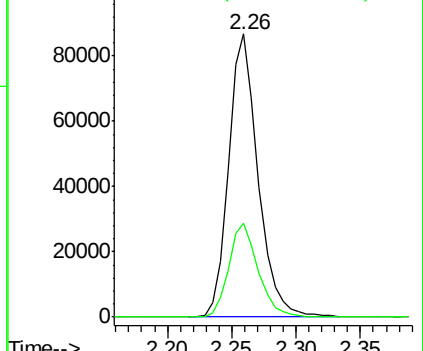
62 100

64 33.2 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 27.547 ug/L

RT: 2.66 min Scan# 138

Delta R.T. 0.00 min

Lab File: VY003745.D

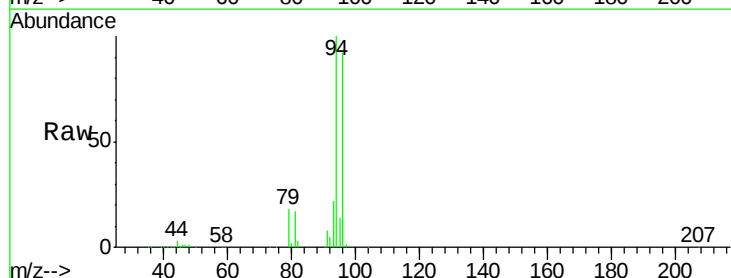
Acq: 14 Dec 2020 12:47

Tgt Ion: 94 Resp: 83950

Ion Ratio Lower Upper

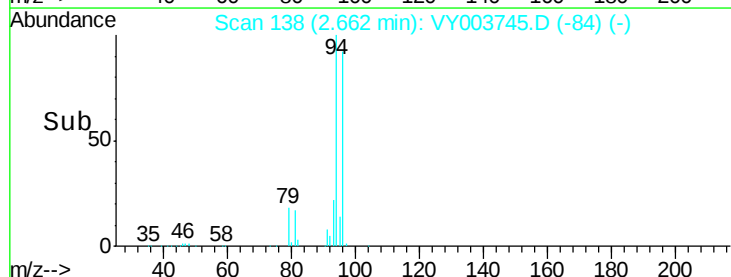
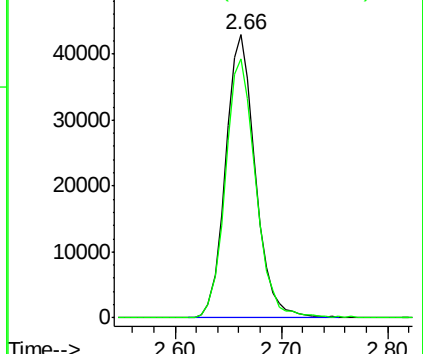
94 100

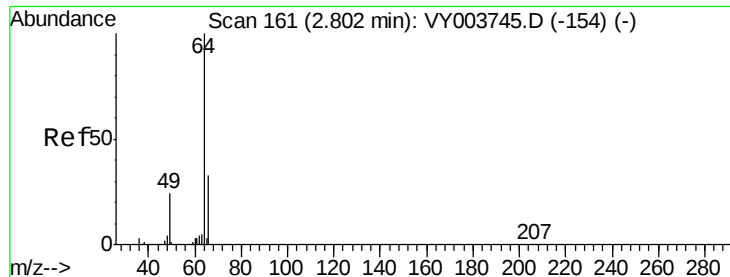
96 93.4 9.3 177.5



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 27.847 ug/L

RT: 2.80 min Scan# 161

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

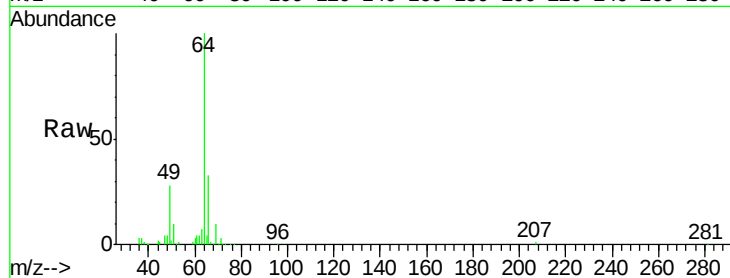
VSTD02580

Tgt Ion: 64 Resp: 81237

Ion Ratio Lower Upper

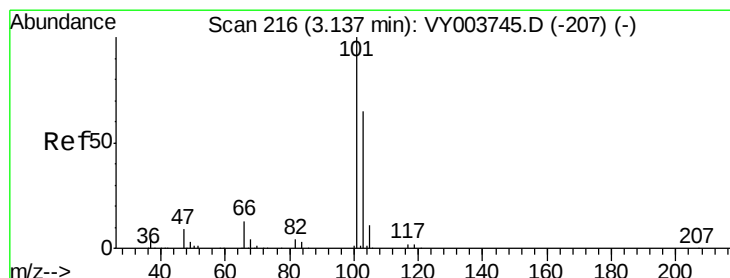
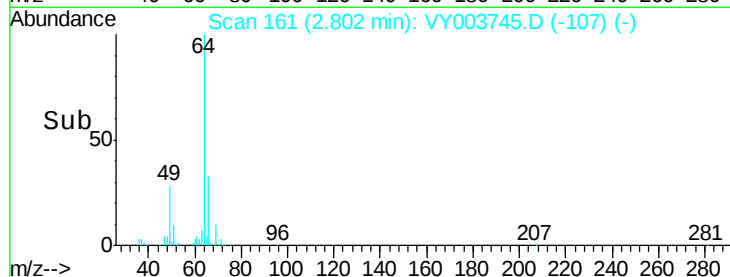
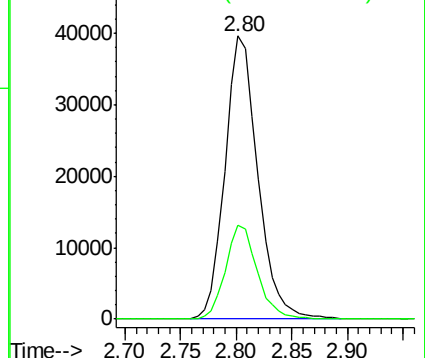
64 100

66 33.0 23.1 42.9



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0



#9

Trichlorofluoromethane

Concen: 28.614 ug/L

RT: 3.14 min Scan# 216

Delta R.T. 0.00 min

Lab File: VY003745.D

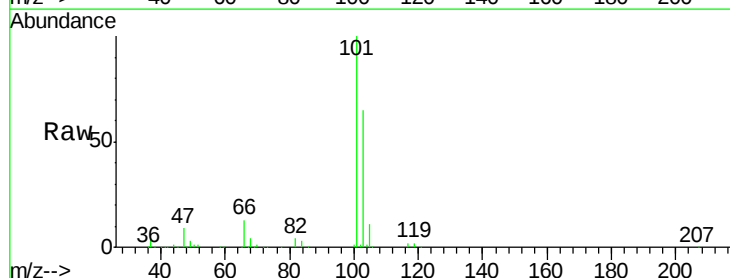
Acq: 14 Dec 2020 12:47

Tgt Ion: 101 Resp: 210451

Ion Ratio Lower Upper

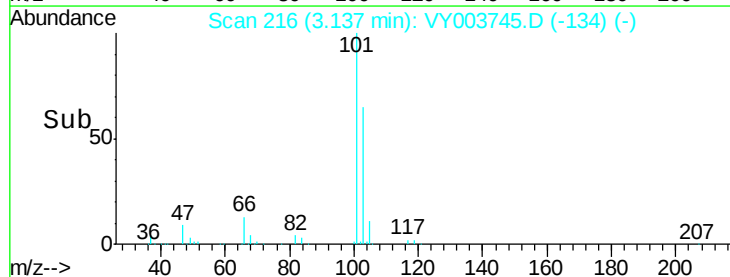
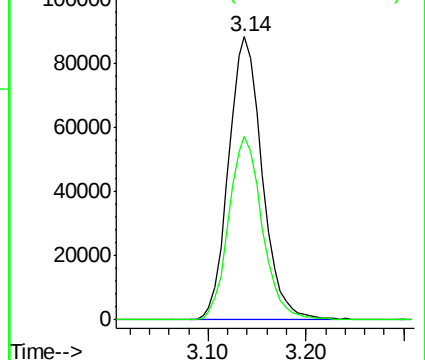
101 100

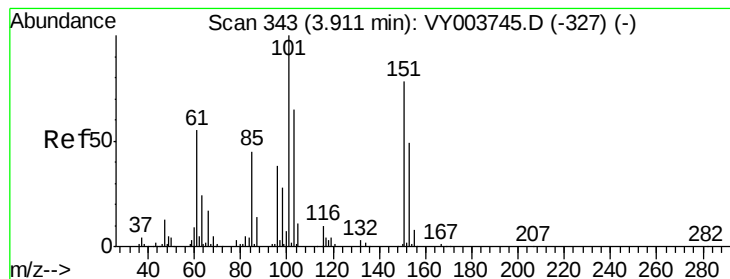
103 64.7 45.3 84.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 27.754 ug/L

RT: 3.91 min Scan# 343

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02580

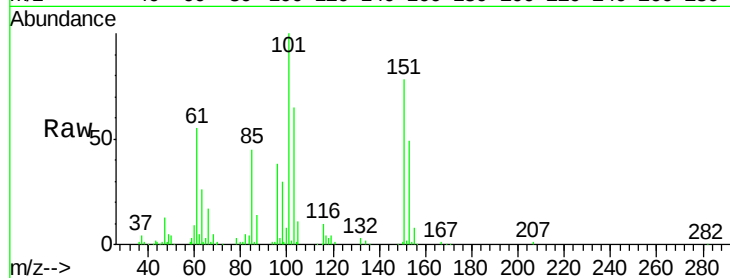
Tgt Ion: 101 Resp: 130109

Ion Ratio Lower Upper

101 100

85 42.2 33.8 50.6

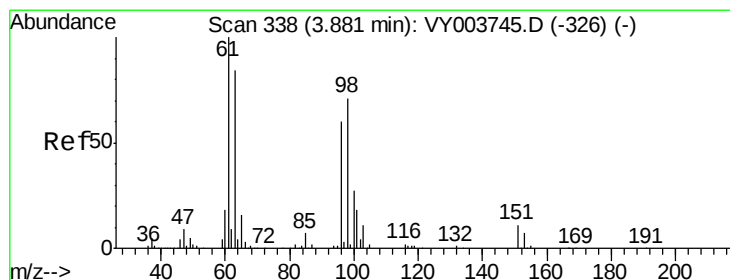
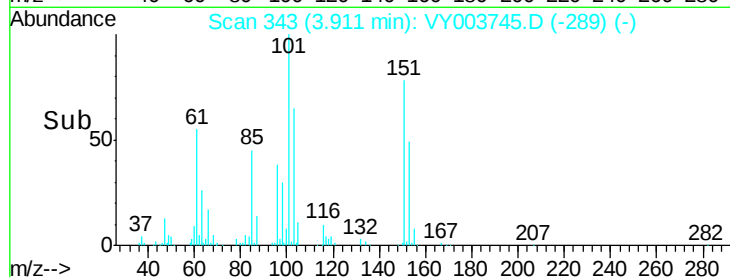
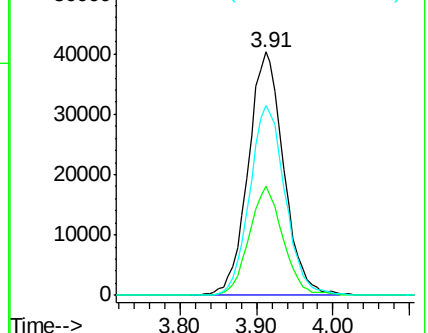
151 77.6 62.1 93.1



Abundance Ion 101.00 (100.70 to 101.70): VY003745.D (-327) (-)

Ion 85.00 (84.70 to 85.70): VY003745.D (-327) (-)

Ion 151.00 (150.70 to 151.70): VY003745.D (-327) (-)



#12

1,1-Dichloroethene

Concen: 27.908 ug/L

RT: 3.88 min Scan# 338

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

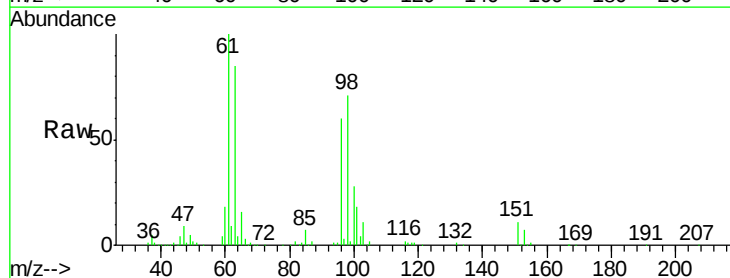
Tgt Ion: 96 Resp: 122646

Ion Ratio Lower Upper

96 100

61 167.6 117.3 217.9

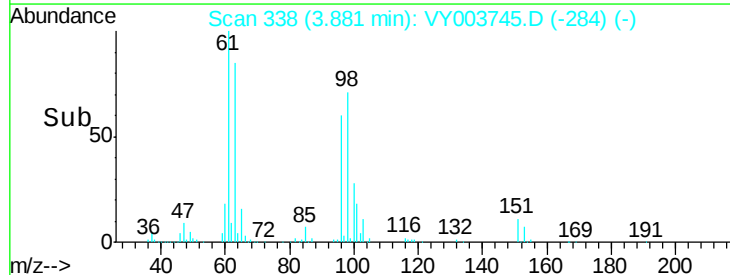
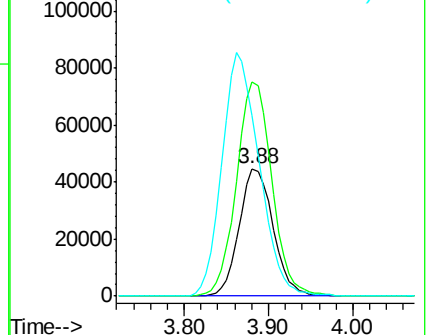
63 142.1 99.5 184.7

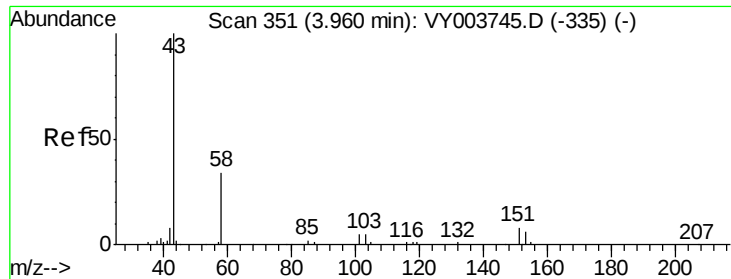


Abundance Ion 96.00 (95.70 to 96.70): VY003745.D (-326) (-)

Ion 61.00 (60.70 to 61.70): VY003745.D (-326) (-)

Ion 63.00 (62.70 to 63.70): VY003745.D (-326) (-)





#13

Acetone

Concen: 53.311 ug/L

RT: 3.96 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

Instrument :

MSVOA_Y

ClientSampled :

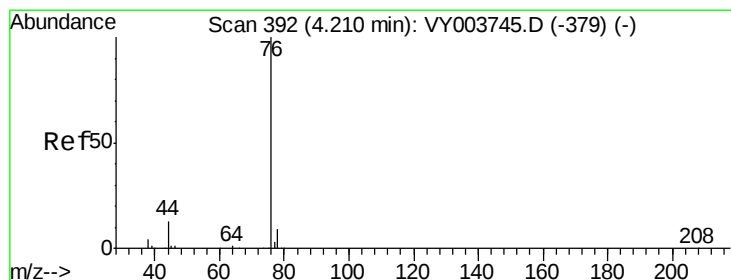
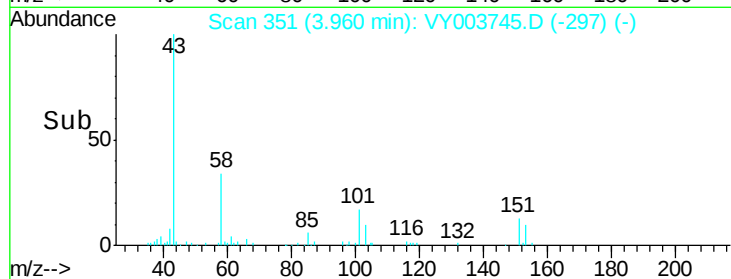
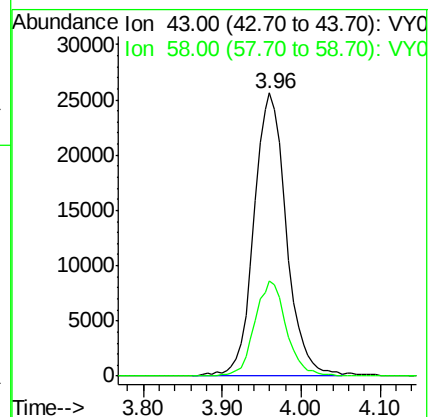
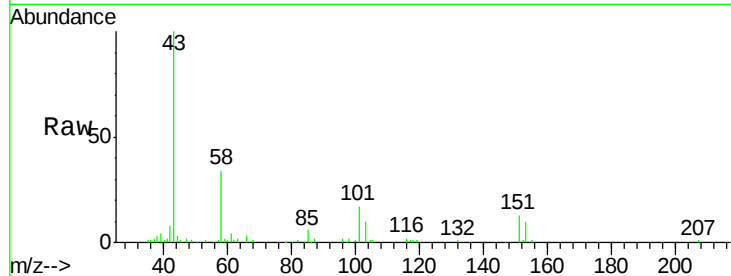
VSTD02580

Tgt Ion: 43 Resp: 73279

Ion Ratio Lower Upper

43 100

58 32.7 0.0 65.4



#14

Carbon disulfide

Concen: 29.172 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.00 min

Lab File: VY003745.D

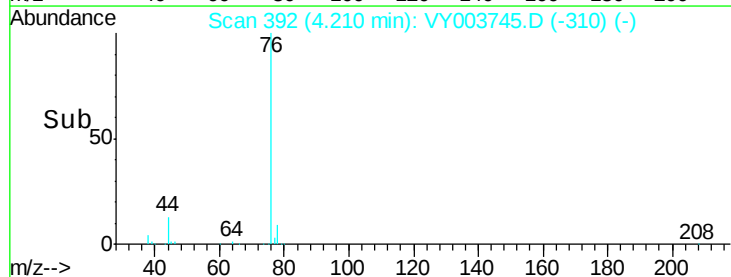
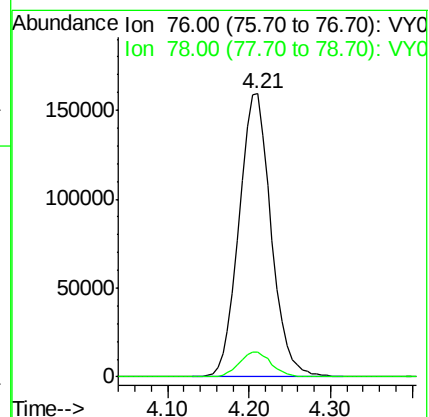
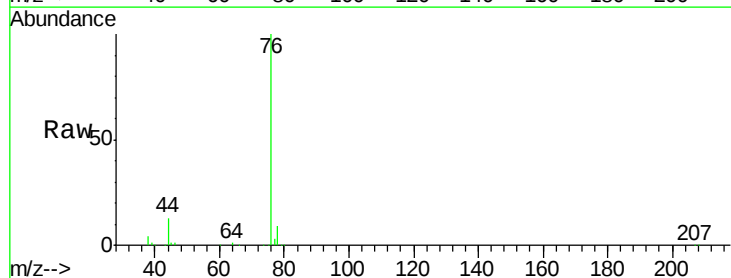
Acq: 14 Dec 2020 12:47

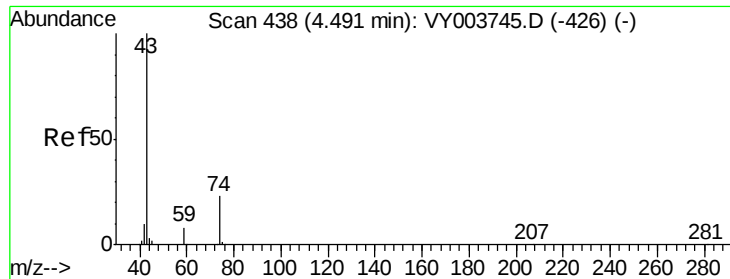
Tgt Ion: 76 Resp: 434593

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

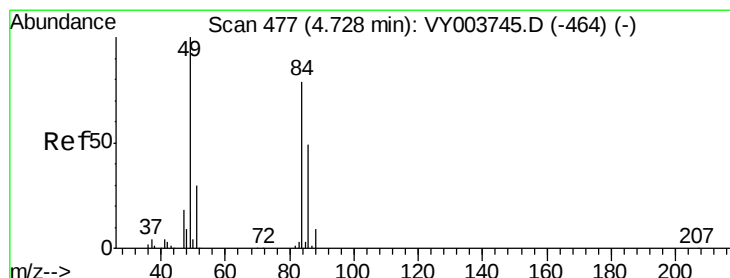
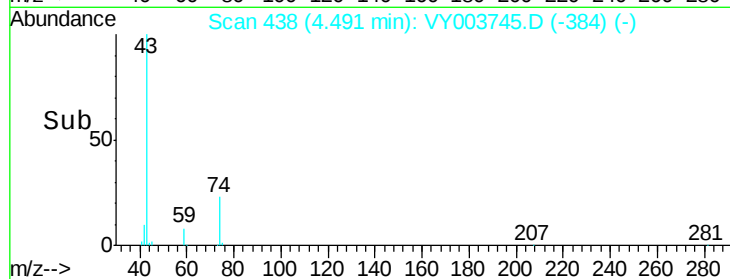
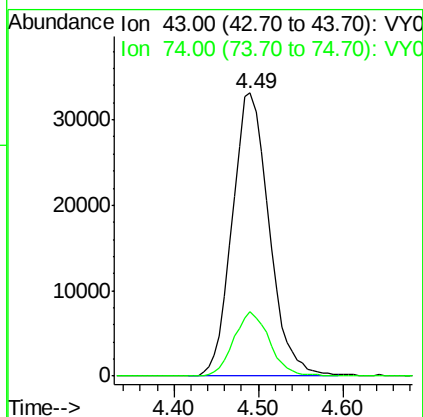
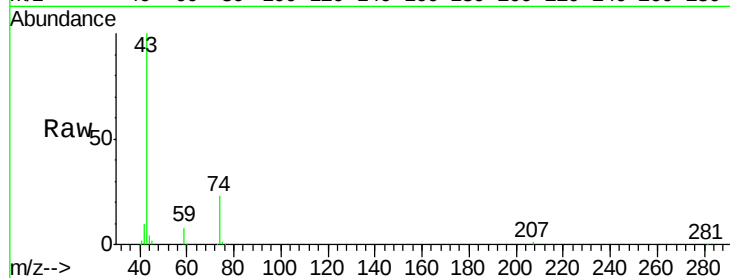




#15
Methyl Acetate
Concen: 28.402 ug/L
RT: 4.49 min Scan# 438
Delta R.T. 0.00 min
Lab File: VY003745.D
Acq: 14 Dec 2020 12:47

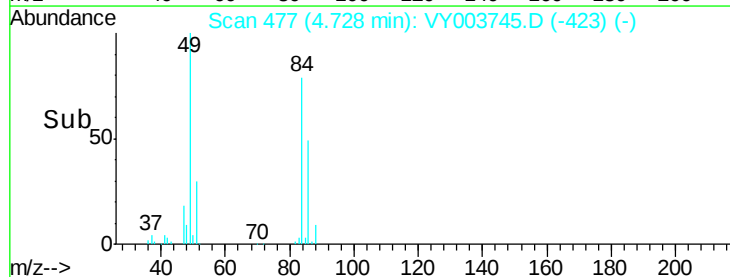
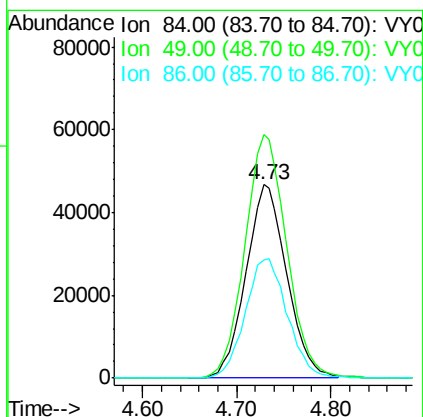
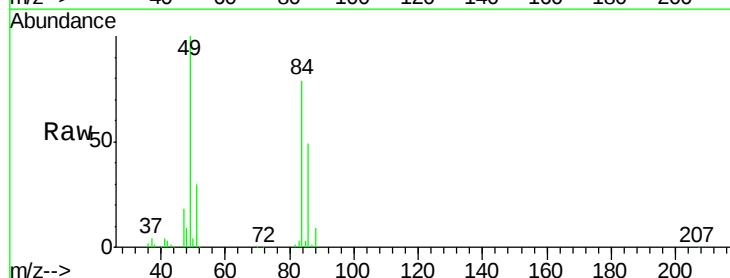
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02580

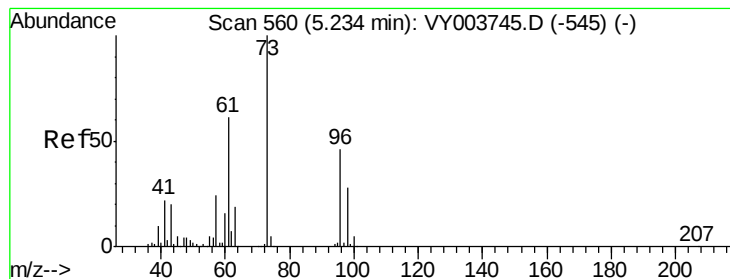
Tgt Ion: 43 Resp: 98589
Ion Ratio Lower Upper
43 100
74 22.1 17.7 26.5



#16
Methylene chloride
Concen: 22.058 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003745.D
Acq: 14 Dec 2020 12:47

Tgt Ion: 84 Resp: 141816
Ion Ratio Lower Upper
84 100
49 126.0 88.2 163.8
86 61.4 43.0 79.8





#17

Methyl tert-butyl Ether

Concen: 27.997 ug/L

RT: 5.23 min Scan# 560

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02580

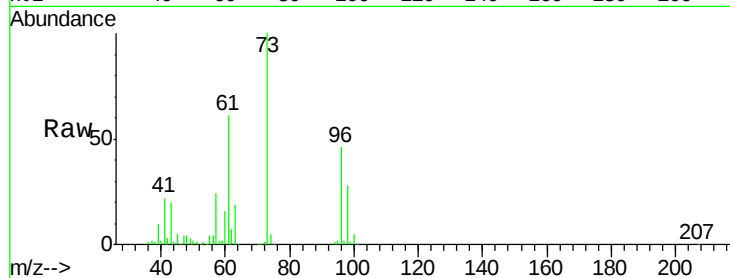
Tgt Ion: 73 Resp: 350061

Ion Ratio Lower Upper

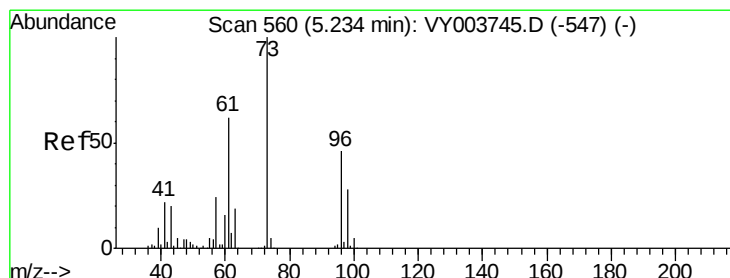
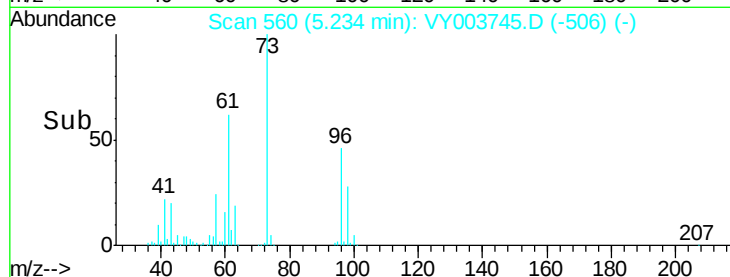
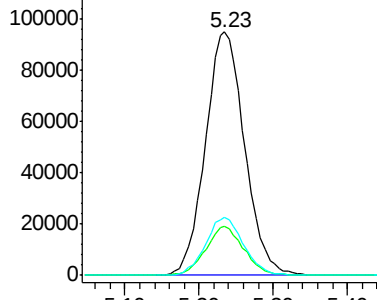
73 100

43 19.4 15.5 23.3

57 23.2 18.6 27.8



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: 26.915 ug/L

RT: 5.23 min Scan# 560

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

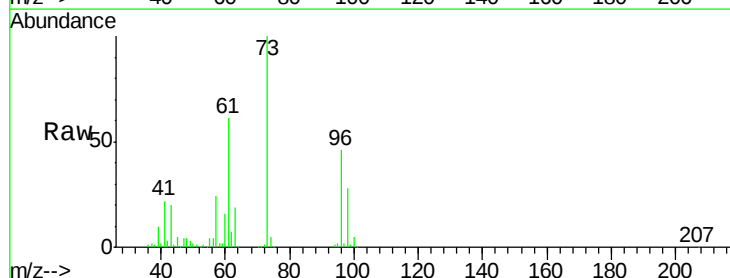
Tgt Ion: 96 Resp: 133177

Ion Ratio Lower Upper

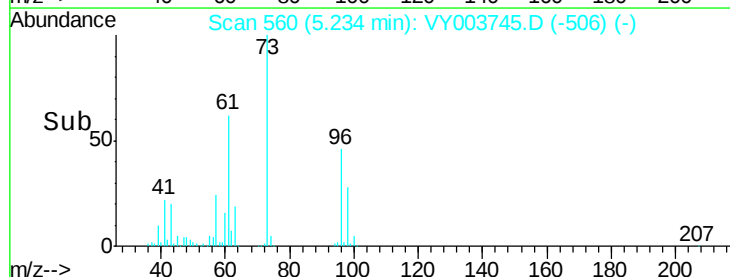
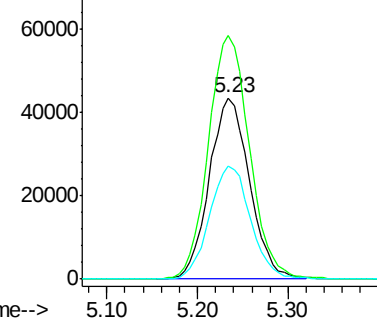
96 100

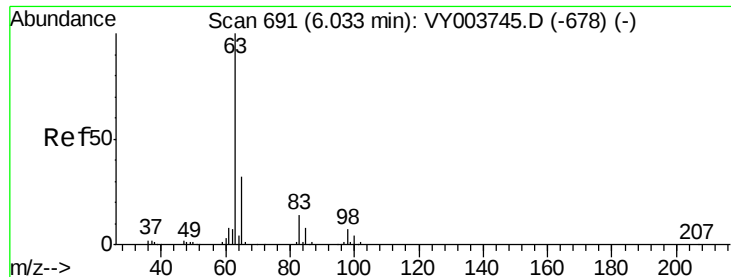
61 134.2 93.9 174.5

98 62.1 43.5 80.7



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: 27.884 ug/L

RT: 6.03 min Scan# 691

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02580

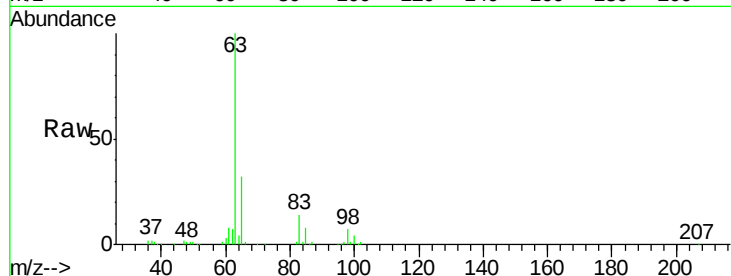
Tgt Ion: 63 Resp: 233850

Ion Ratio Lower Upper

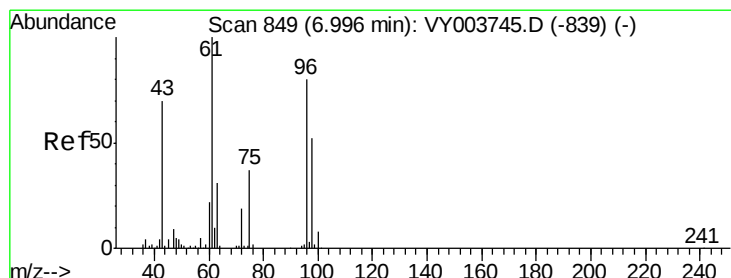
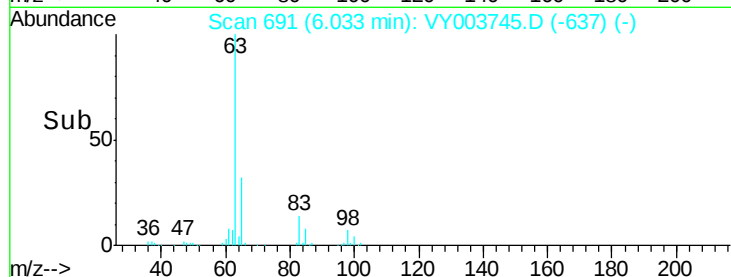
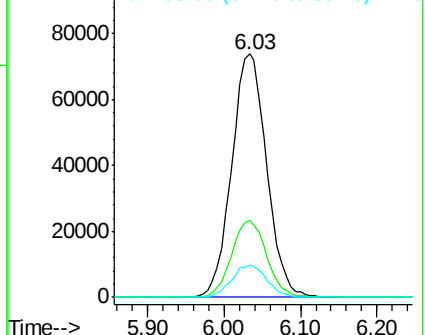
63 100

65 31.8 22.3 41.3

83 13.5 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: 52.664 ug/L

RT: 7.00 min Scan# 849

Delta R.T. 0.00 min

Lab File: VY003745.D

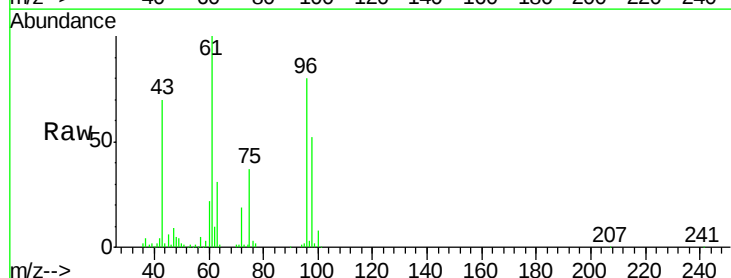
Acq: 14 Dec 2020 12:47

Tgt Ion: 43 Resp: 127422

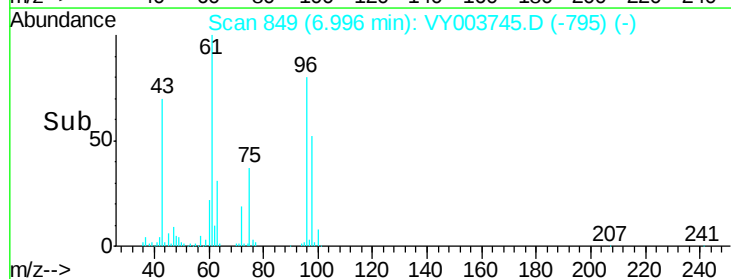
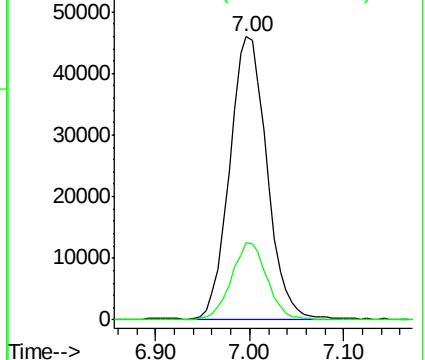
Ion Ratio Lower Upper

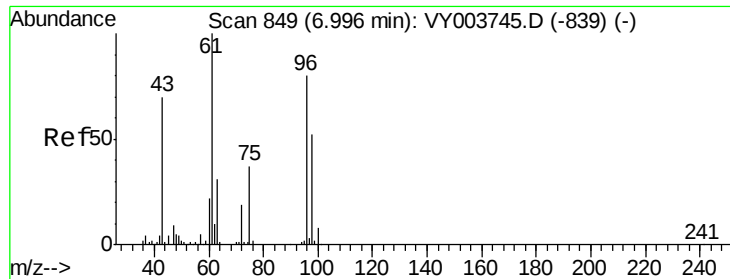
43 100

72 26.0 13.0 39.0



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



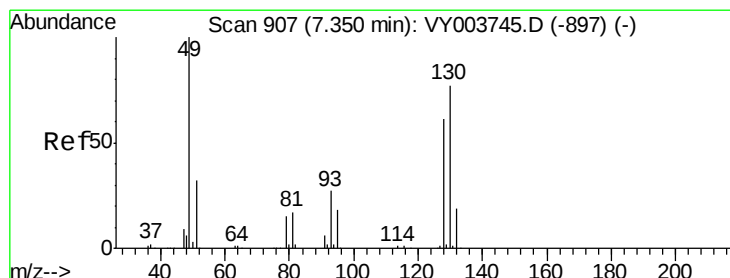
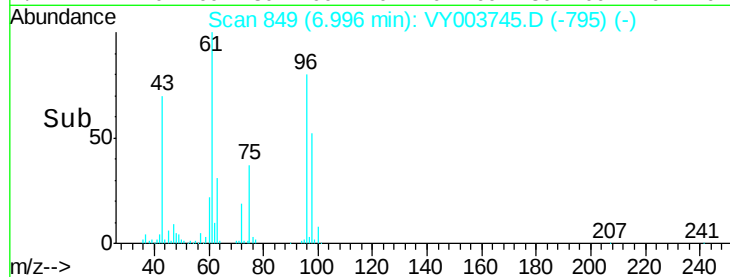
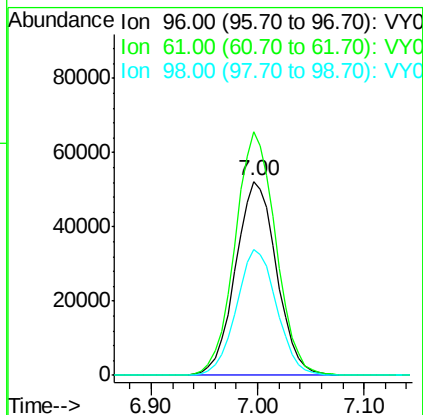
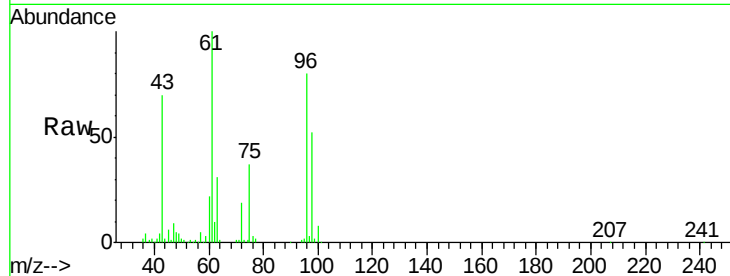


#22

cis-1,2-Dichloroethene
 Concen: 26.906 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VY003745.D
 Acq: 14 Dec 2020 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02580

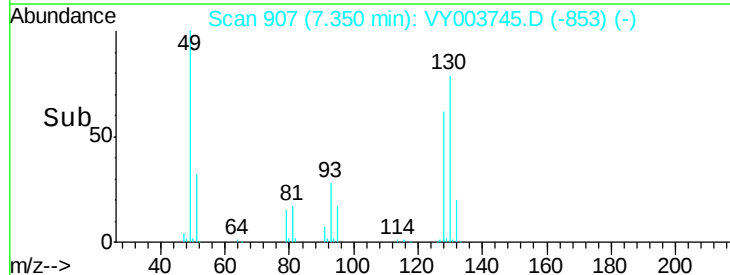
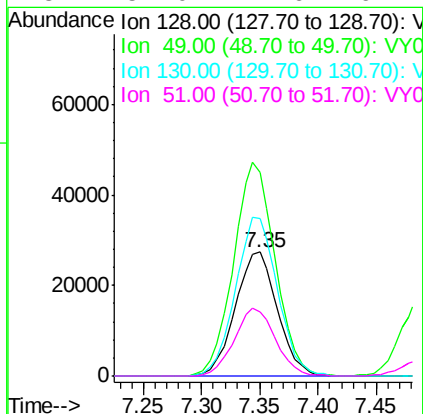
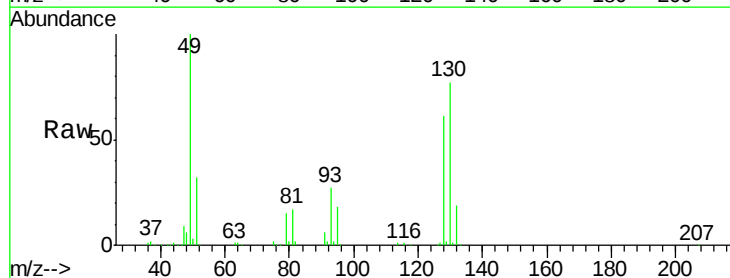
Tgt Ion: 96 Resp: 141449
 Ion Ratio Lower Upper
 96 100
 61 125.7 88.0 163.4
 98 64.9 45.4 84.4

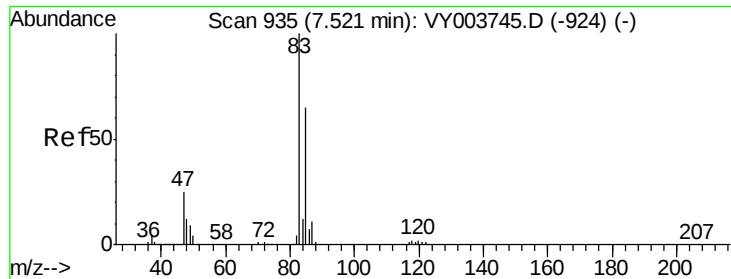


#23

Bromochloromethane
 Concen: 26.305 ug/L
 RT: 7.35 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: VY003745.D
 Acq: 14 Dec 2020 12:47

Tgt Ion: 128 Resp: 68962
 Ion Ratio Lower Upper
 128 100
 49 164.5 115.1 213.8
 130 127.0 88.9 165.1
 51 52.0 41.6 62.4





#25

Chloroform

Concen: 27.194 ug/L

RT: 7.52 min Scan# 935

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

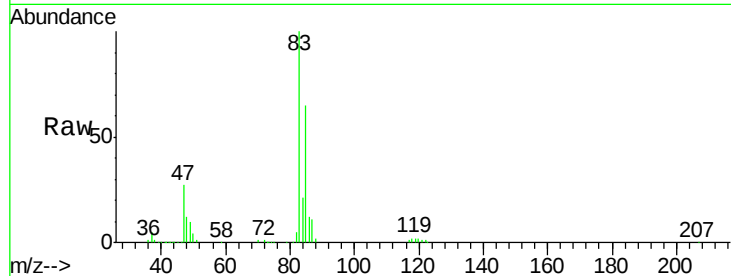
VSTD02580

Tgt Ion: 83 Resp: 229130

Ion Ratio Lower Upper

83 100

85 66.4 46.5 86.3



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

7.52

100000

80000

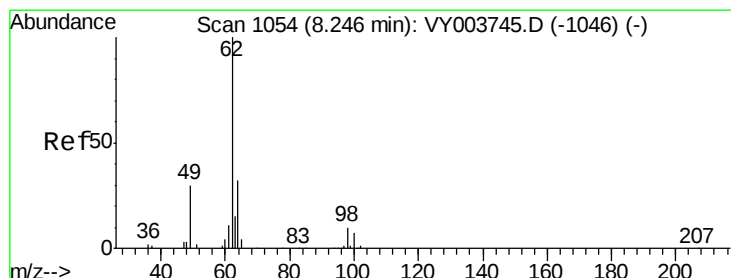
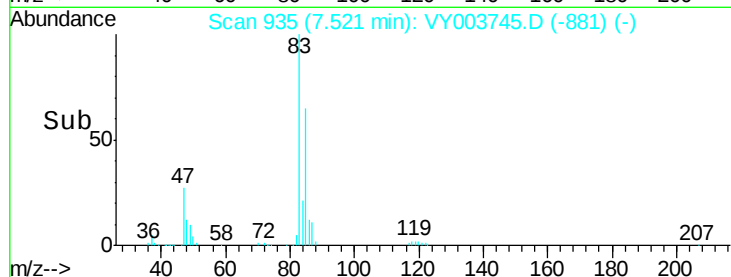
60000

40000

20000

0

Time--> 7.40 7.50 7.60



#27

1,2-Dichloroethane

Concen: 27.657 ug/L

RT: 8.25 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY003745.D

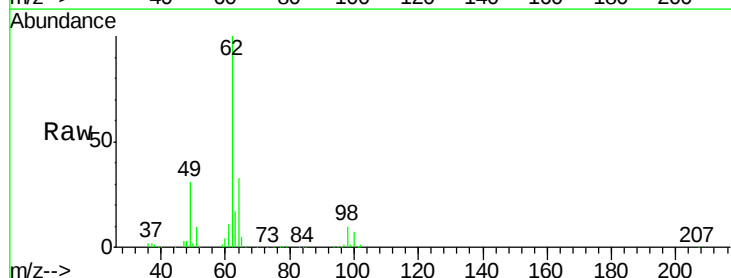
Acq: 14 Dec 2020 12:47

Tgt Ion: 62 Resp: 157872

Ion Ratio Lower Upper

62 100

98 10.4 8.3 12.5



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

8.25

80000

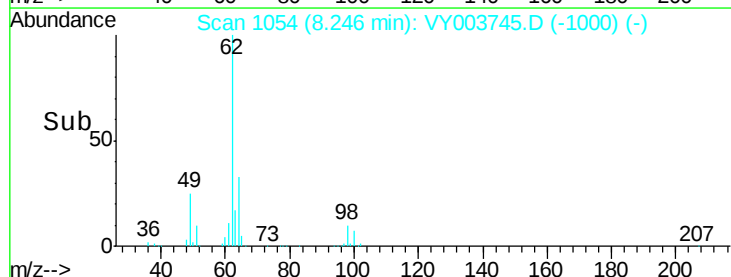
60000

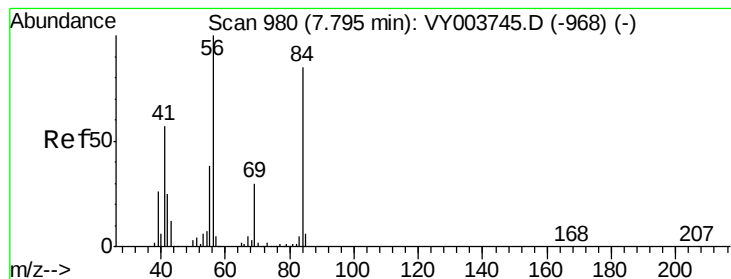
40000

20000

0

Time--> 8.15 8.20 8.25 8.30 8.35





#30

Cyclohexane

Concen: 30.488 ug/L

RT: 7.79 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02580

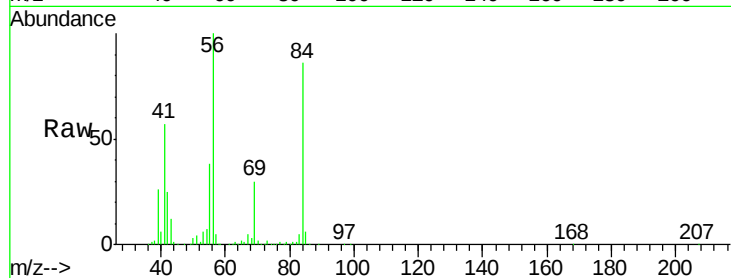
Tgt Ion: 56 Resp: 231613

Ion Ratio Lower Upper

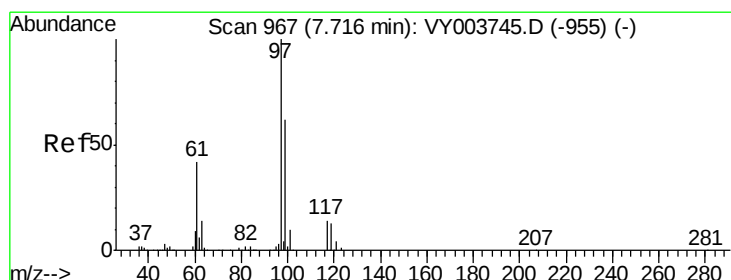
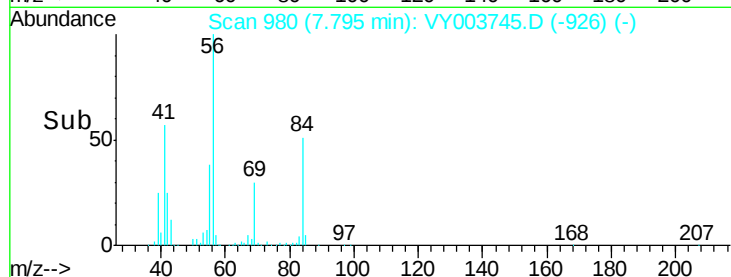
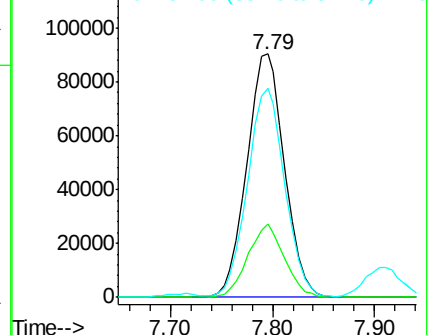
56 100

69 29.2 23.4 35.0

84 85.8 68.6 103.0



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: 27.774 ug/L

RT: 7.72 min Scan# 967

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

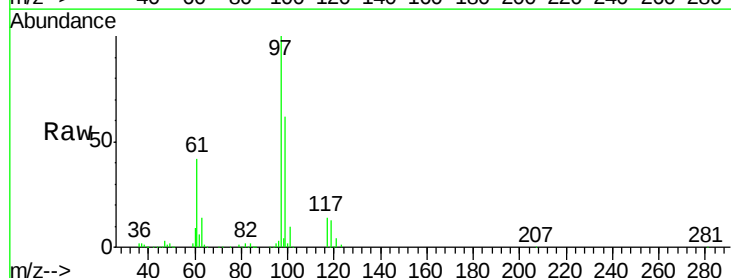
Tgt Ion: 97 Resp: 204605

Ion Ratio Lower Upper

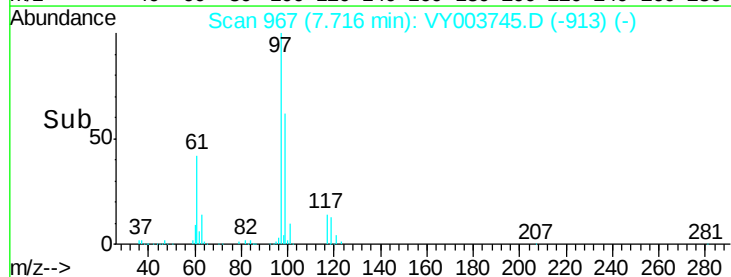
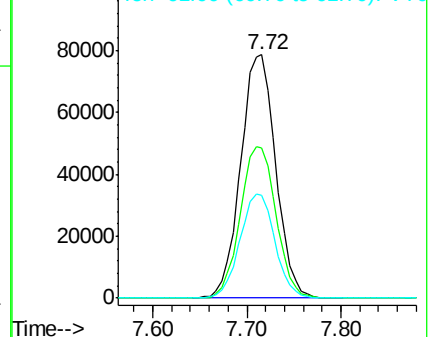
97 100

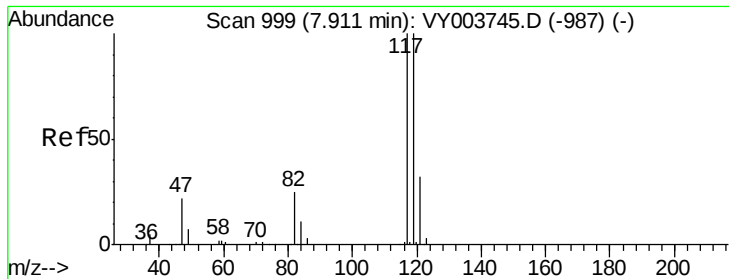
99 63.5 50.8 76.2

61 42.6 34.1 51.1



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



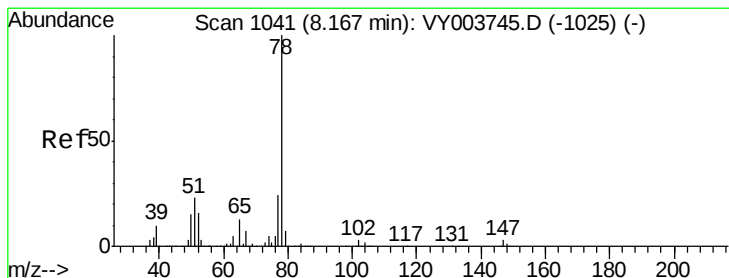
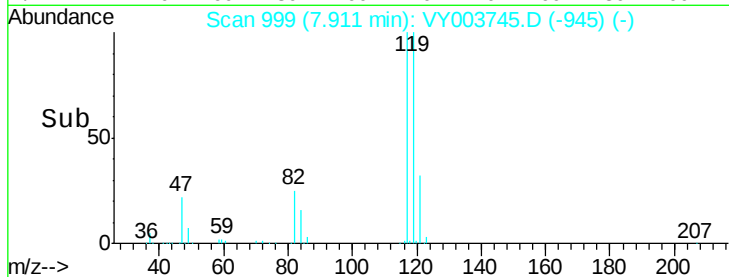
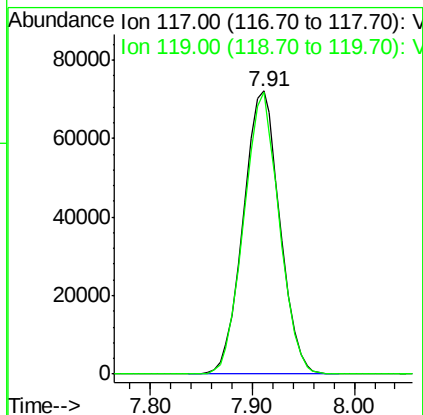
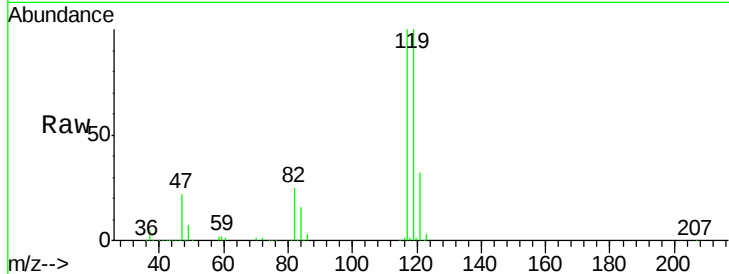


#32

Carbon tetrachloride
 Concen: 27.638 ug/L
 RT: 7.91 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VY003745.D
 Acq: 14 Dec 2020 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02580

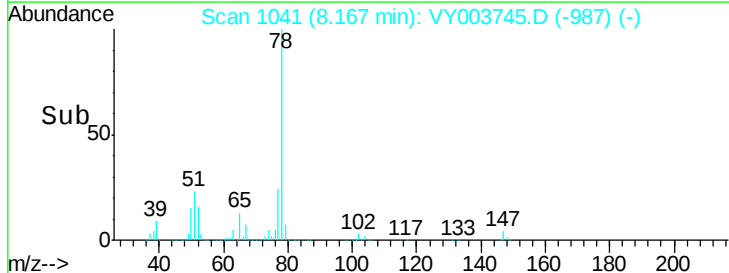
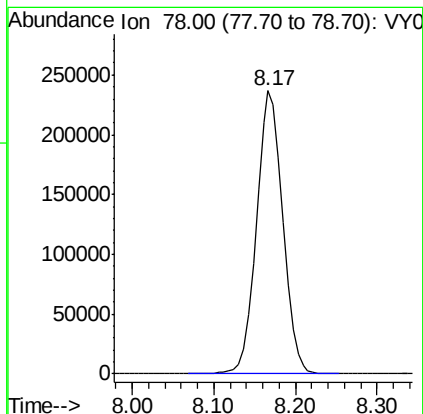
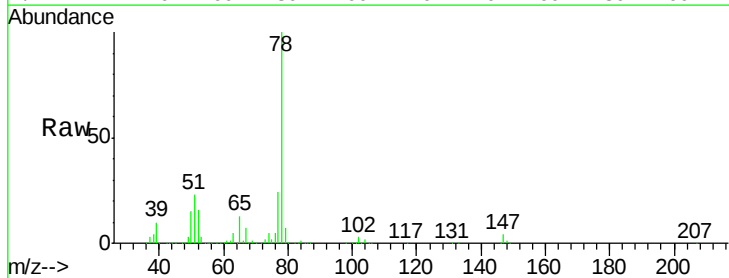
Tgt Ion:117 Resp: 179581
 Ion Ratio Lower Upper
 117 100
 119 96.4 77.1 115.7

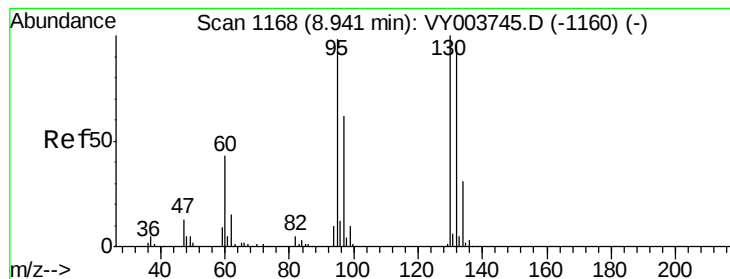


#34

Benzene
 Concen: 27.125 ug/L
 RT: 8.17 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VY003745.D
 Acq: 14 Dec 2020 12:47

Tgt Ion: 78 Resp: 531998





#35

Trichloroethene

Concen: 26.692 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02580

Tgt Ion: 95 Resp: 143425

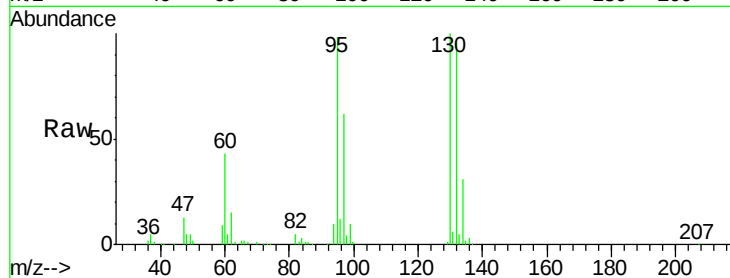
Ion Ratio Lower Upper

95 100

97 64.9 45.4 84.4

132 101.1 70.8 131.4

130 105.9 74.1 137.7

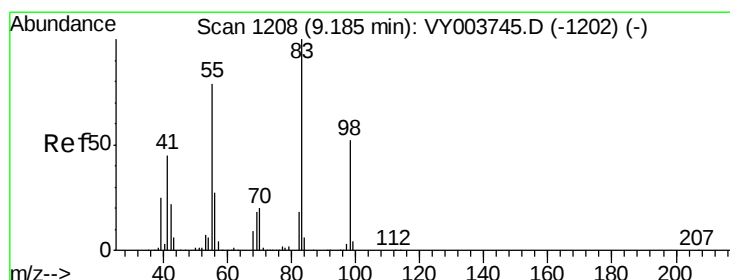
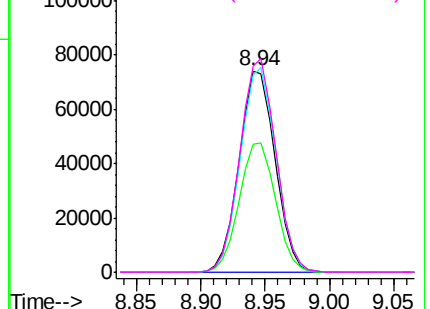
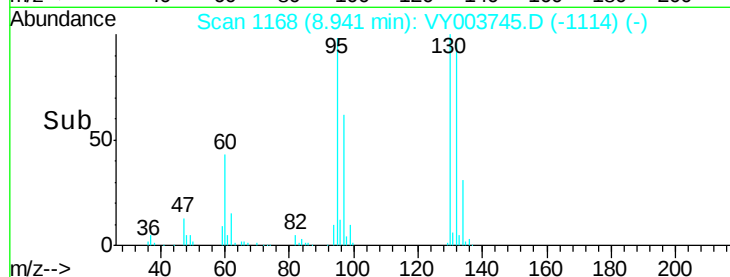


Abundance Ion 95.00 (94.70 to 95.70): VY0

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: 28.964 ug/L

RT: 9.18 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

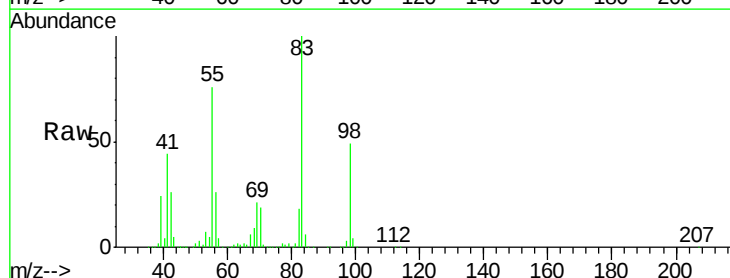
Tgt Ion: 83 Resp: 241759

Ion Ratio Lower Upper

83 100

55 75.4 60.3 90.5

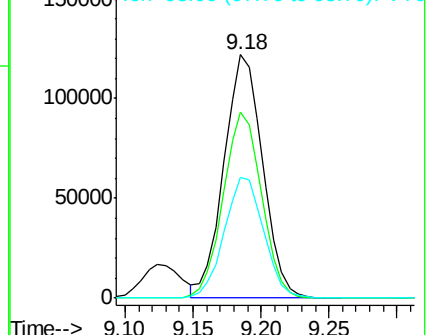
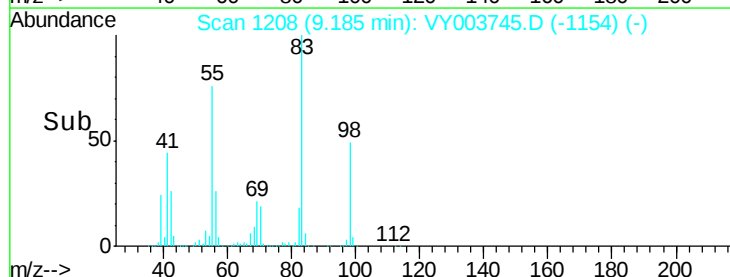
98 50.5 40.4 60.6

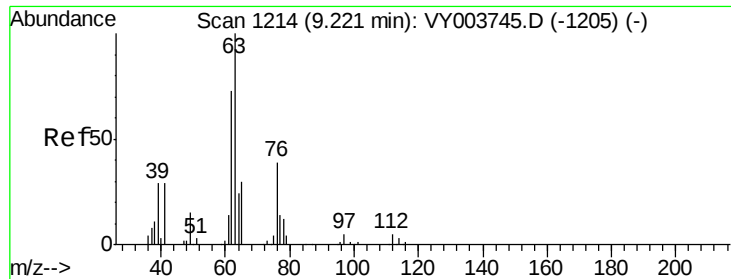


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

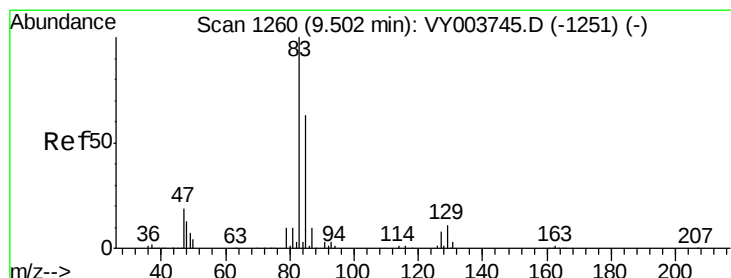
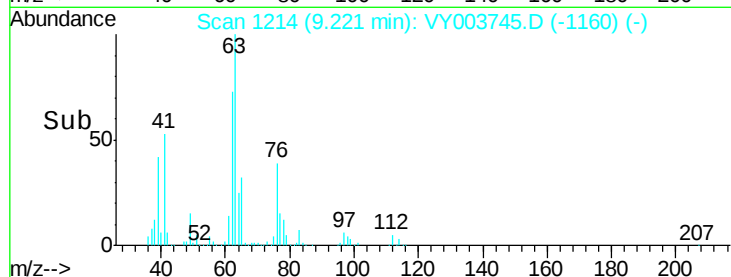
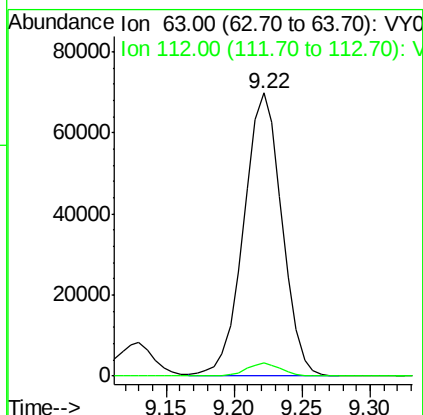
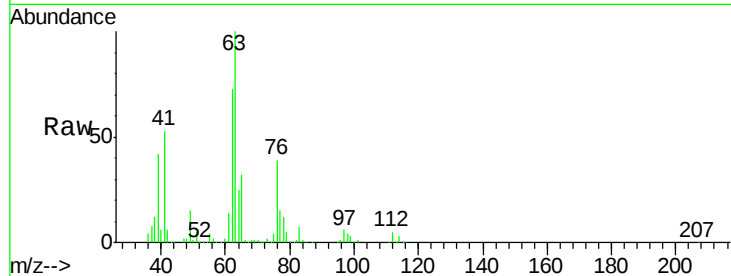




#40
 1,2-Dichloropropane
 Concen: 27.831 ug/L
 RT: 9.22 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: VY003745.D
 Acq: 14 Dec 2020 12:47

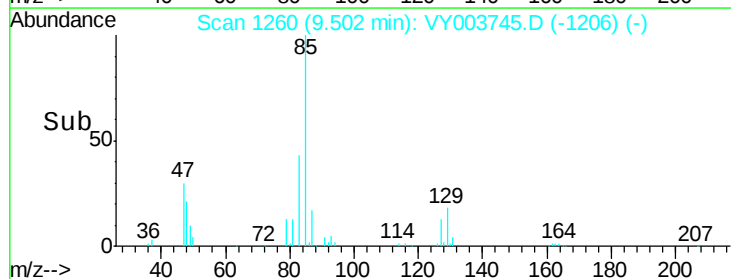
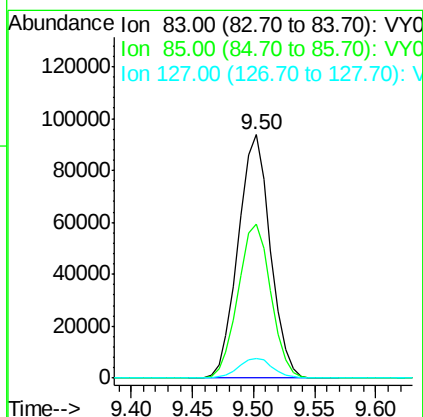
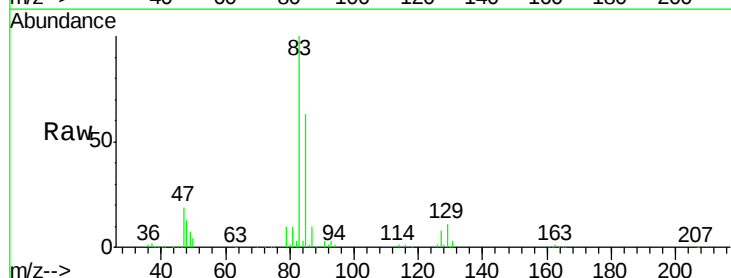
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02580

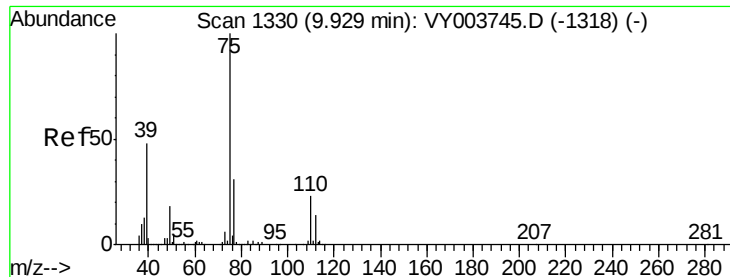
Tgt Ion: 63 Resp: 137780
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#41
 Bromodichloromethane
 Concen: 27.362 ug/L
 RT: 9.50 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VY003745.D
 Acq: 14 Dec 2020 12:47

Tgt Ion: 83 Resp: 171315
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.2 82.2
 127 8.3 6.6 10.0



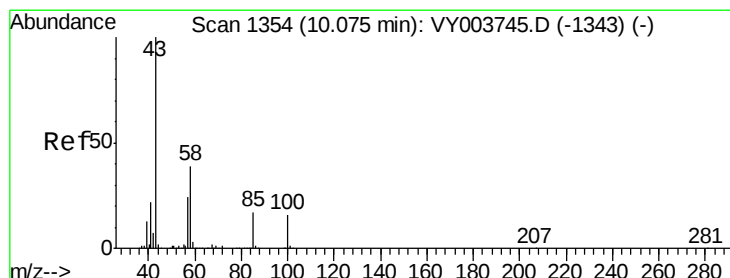
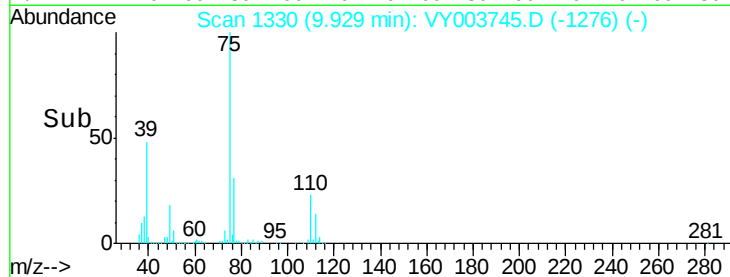
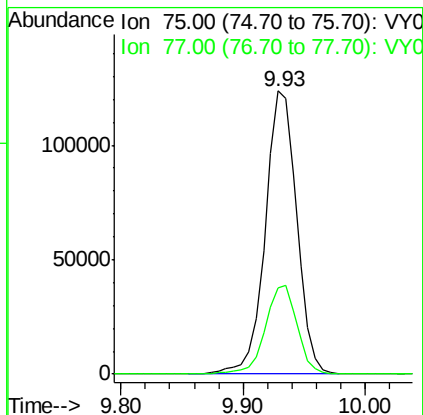
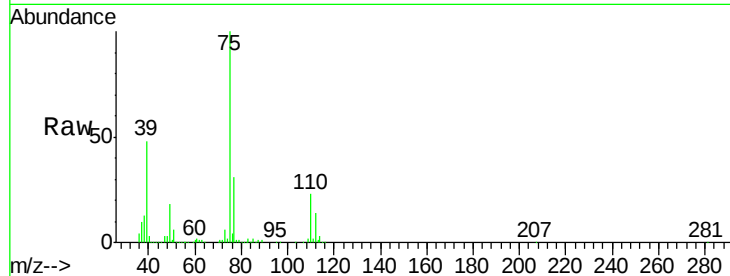


#42

cis-1,3-Dichloropropene
 Concen: 28.356 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VY003745.D
 Acq: 14 Dec 2020 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02580

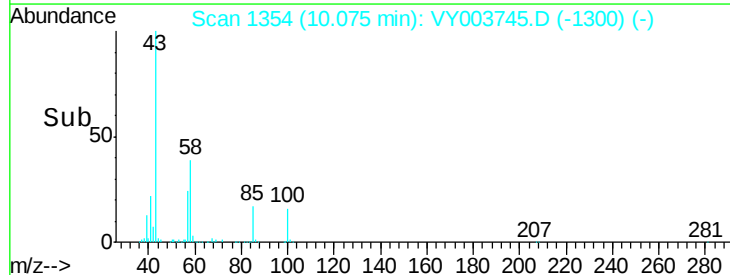
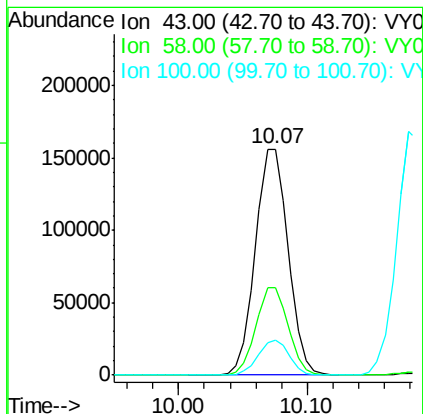
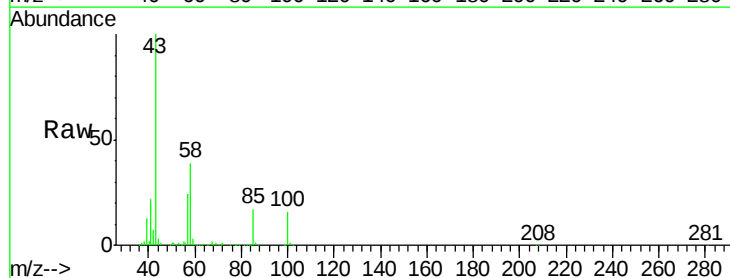
Tgt Ion: 75 Resp: 221062
 Ion Ratio Lower Upper
 75 100
 77 30.5 21.3 39.6

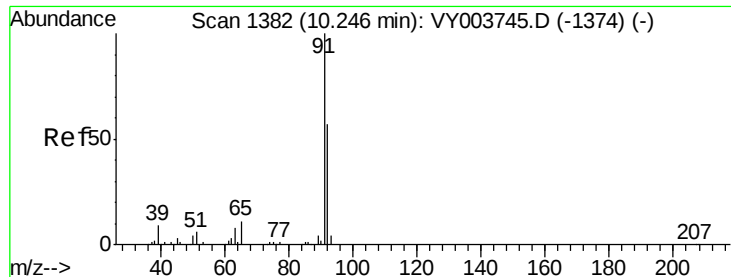


#43

4-Methyl-2-pentanone
 Concen: 58.356 ug/L
 RT: 10.07 min Scan# 1354
 Delta R.T. 0.00 min
 Lab File: VY003745.D
 Acq: 14 Dec 2020 12:47

Tgt Ion: 43 Resp: 274081
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.8 46.2
 100 14.8 11.8 17.8





#44

Toluene

Concen: 27.619 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

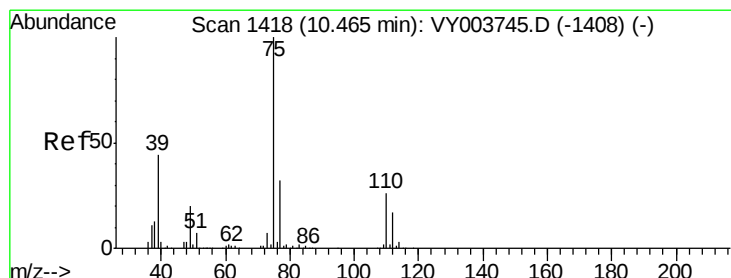
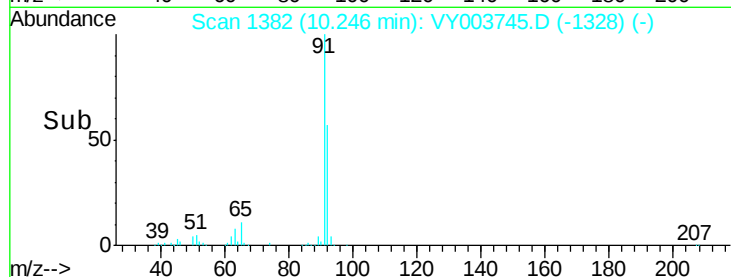
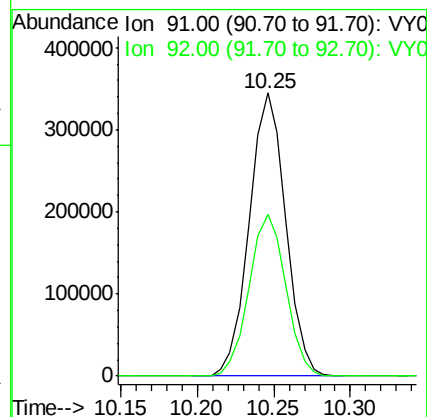
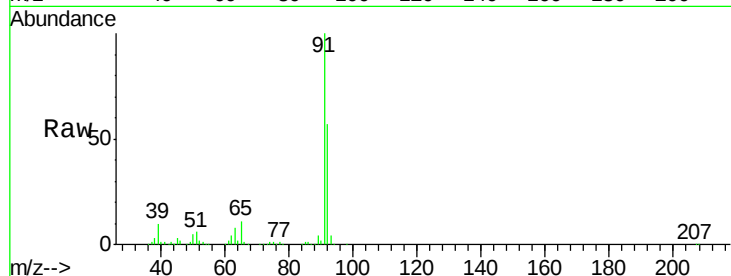
VSTD02580

Tgt Ion: 91 Resp: 570501

Ion Ratio Lower Upper

91 100

92 57.0 39.9 74.1



#45

trans-1,3-Dichloropropene

Concen: 28.603 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003745.D

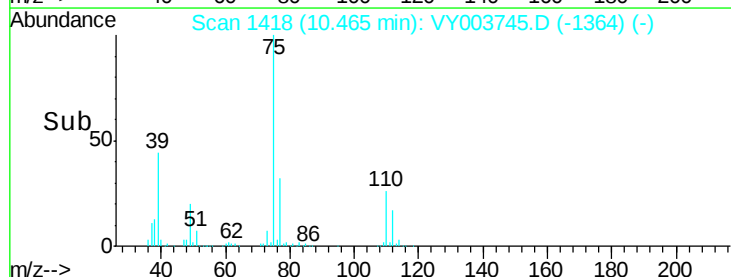
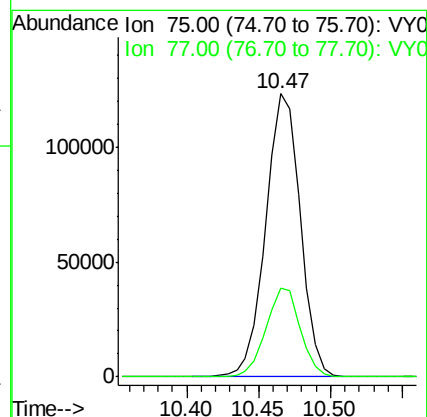
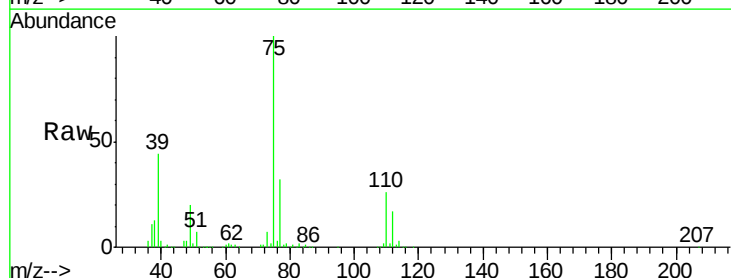
Acq: 14 Dec 2020 12:47

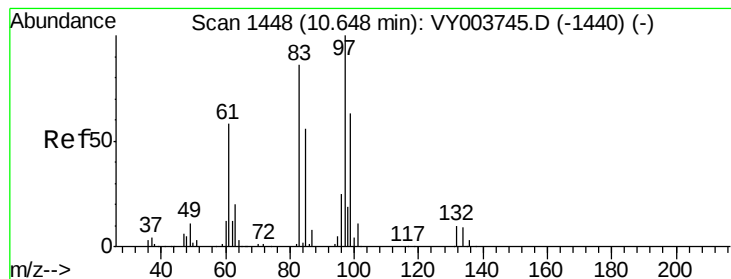
Tgt Ion: 75 Resp: 205615

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1

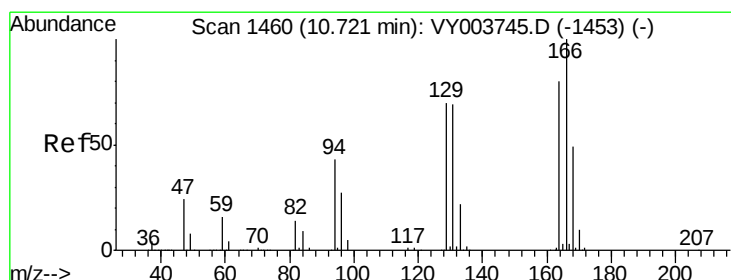
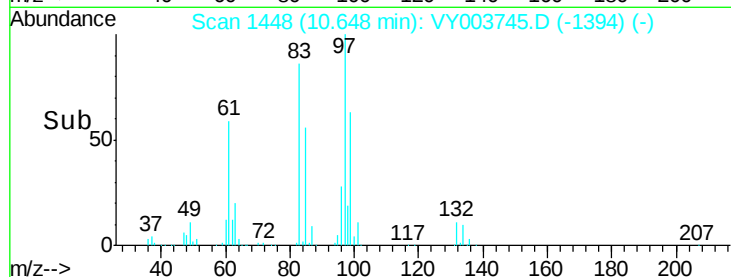
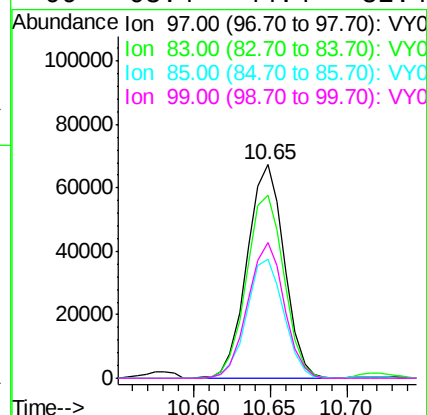
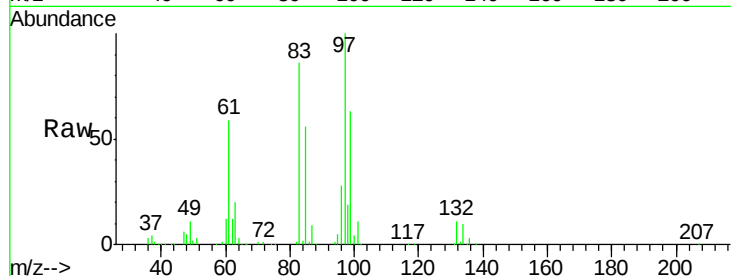




#46
 1,1,2-Trichloroethane
 Concen: 26.897 ug/L
 RT: 10.65 min Scan# 1448
 Delta R.T. 0.00 min
 Lab File: VY003745.D
 Acq: 14 Dec 2020 12:47

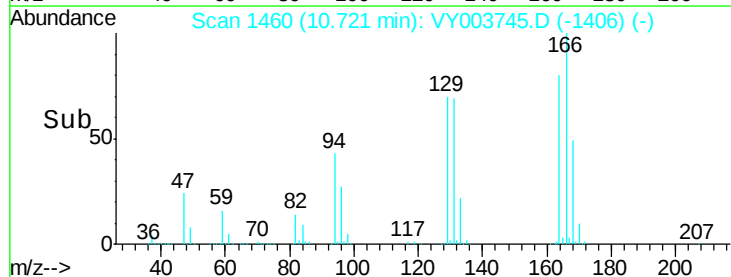
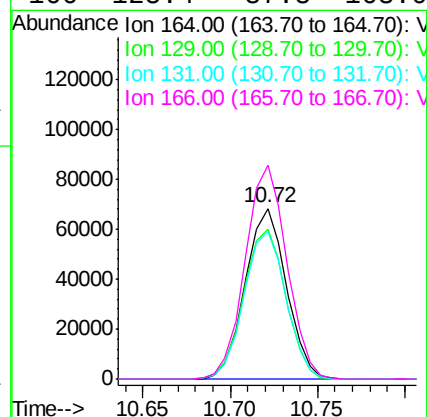
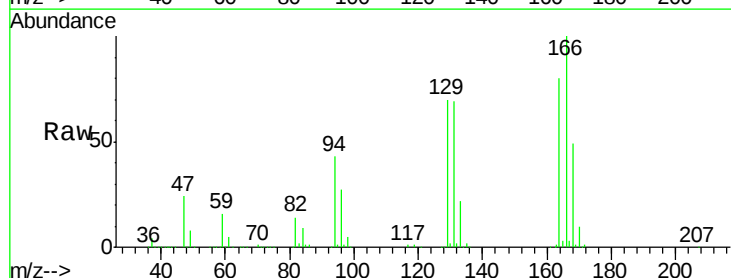
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02580

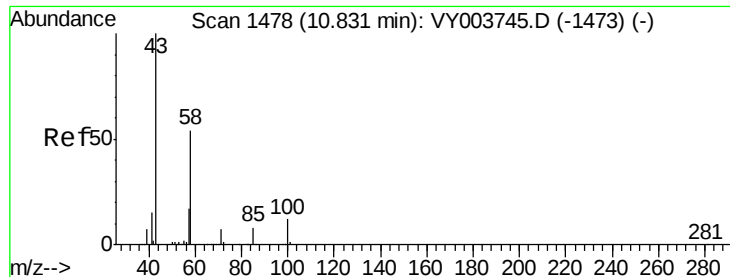
Tgt Ion:	97	Resp:	113699
Ion	Ratio	Lower	Upper
97	100		
83	85.7	60.0	111.4
85	55.5	38.9	72.2
99	63.4	44.4	82.4



#47
 Tetrachloroethene
 Concen: 26.804 ug/L
 RT: 10.72 min Scan# 1460
 Delta R.T. 0.00 min
 Lab File: VY003745.D
 Acq: 14 Dec 2020 12:47

Tgt Ion:	164	Resp:	111786
Ion	Ratio	Lower	Upper
164	100		
129	87.6	61.3	113.9
131	86.3	60.4	112.2
166	125.4	87.8	163.0

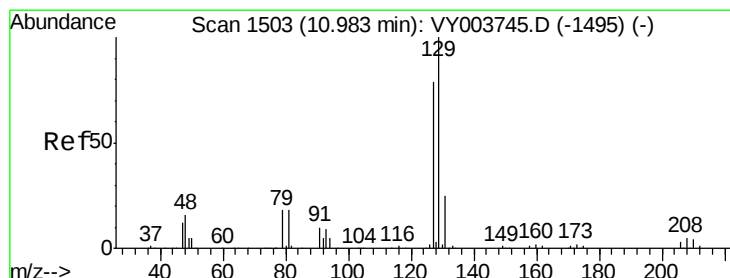
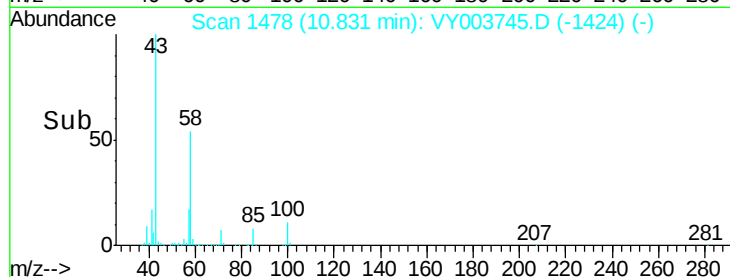
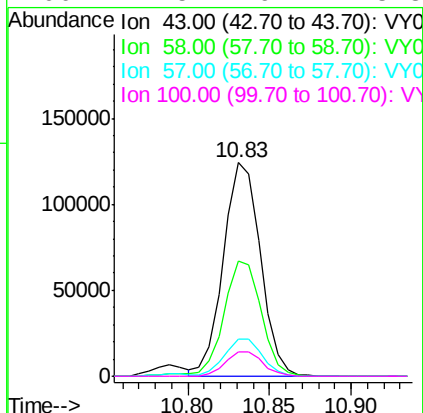
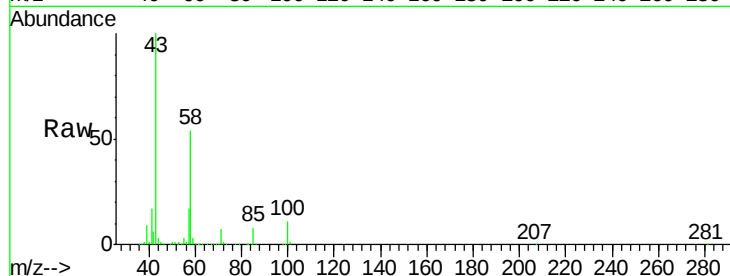




#49
2-Hexanone
Concen: 59.711 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003745.D
Acq: 14 Dec 2020 12:47

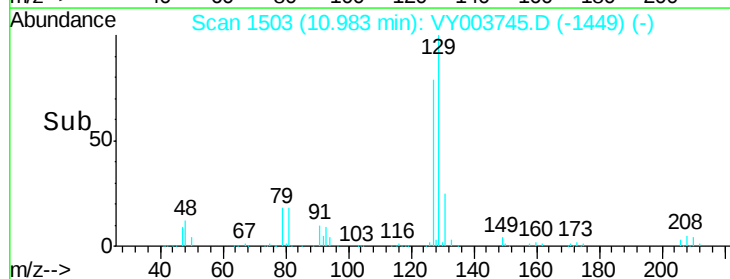
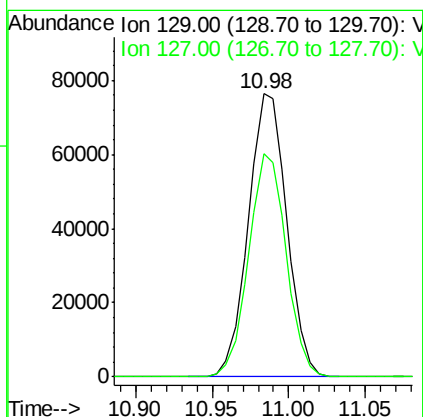
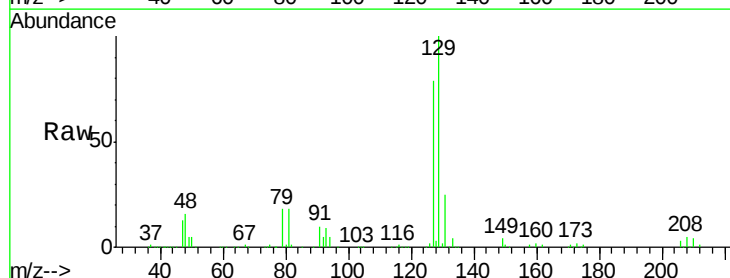
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02580

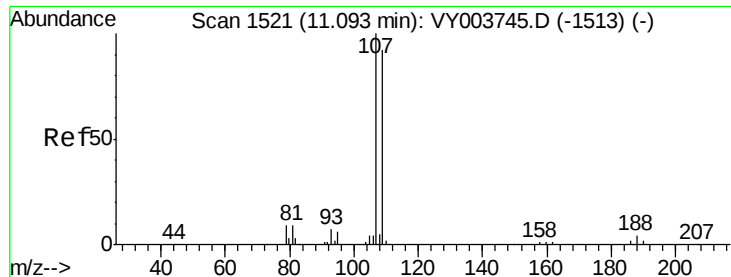
Tgt Ion: 43 Resp: 197450
Ion Ratio Lower Upper
43 100
58 53.7 43.0 64.4
57 17.6 14.1 21.1
100 11.5 9.2 13.8



#50
Dibromochloromethane
Concen: 27.018 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. 0.00 min
Lab File: VY003745.D
Acq: 14 Dec 2020 12:47

Tgt Ion: 129 Resp: 133482
Ion Ratio Lower Upper
129 100
127 78.8 55.2 102.4

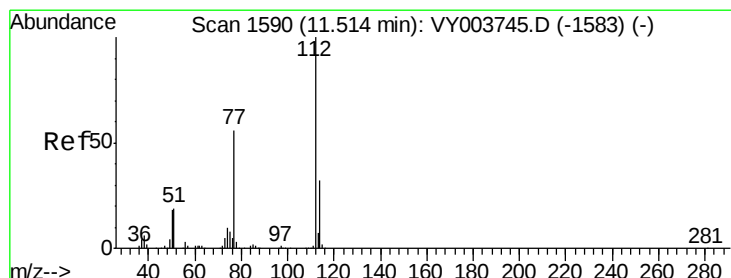
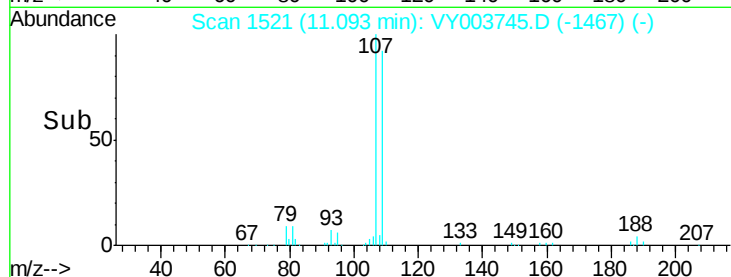
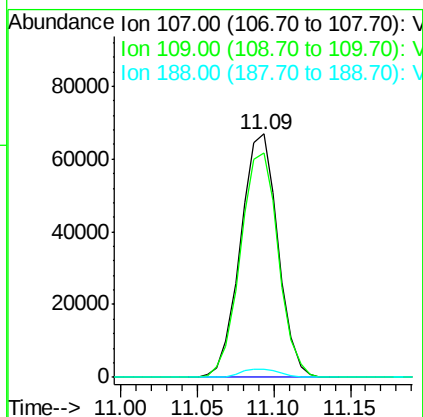
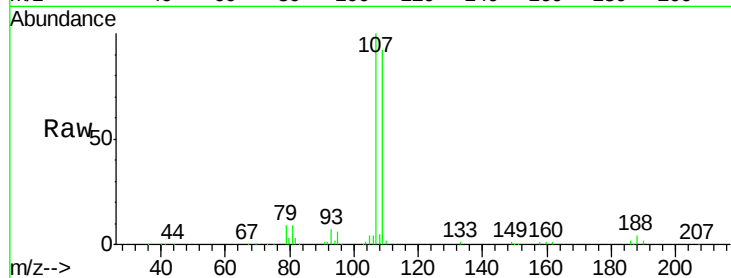




#51
1,2-Dibromoethane
Concen: 27.646 ug/L
RT: 11.09 min Scan# 1521
Delta R.T. 0.00 min
Lab File: VY003745.D
Acq: 14 Dec 2020 12:47

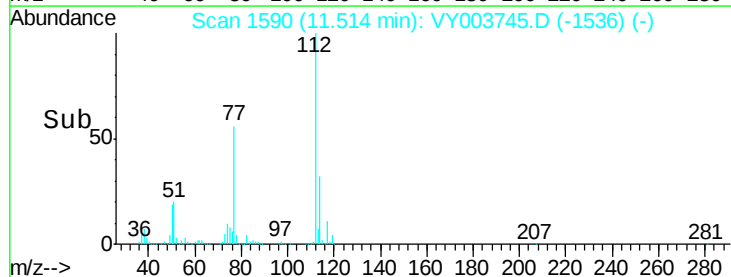
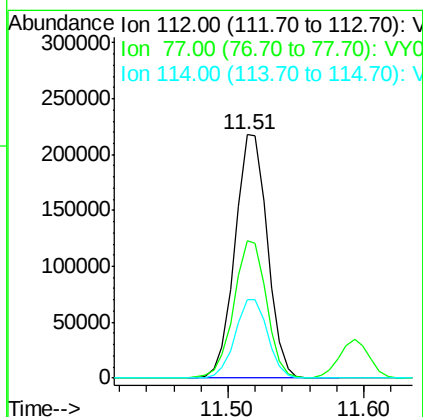
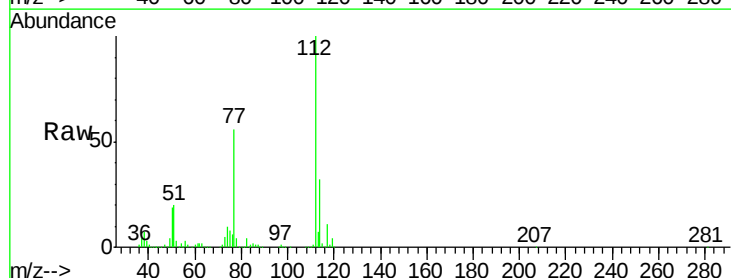
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02580

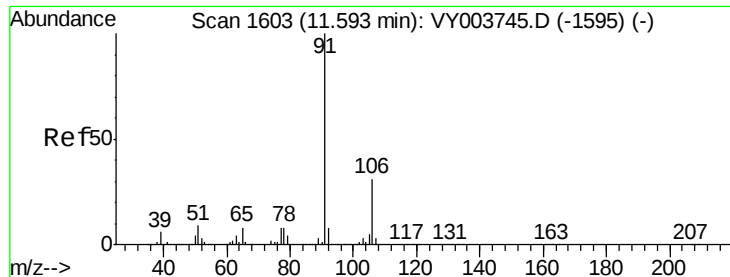
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.3	64.6	120.0
188	3.6	2.9	4.3



#52
Chlorobenzene
Concen: 26.753 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VY003745.D
Acq: 14 Dec 2020 12:47

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.4	45.1	67.7
114	32.3	22.6	42.0

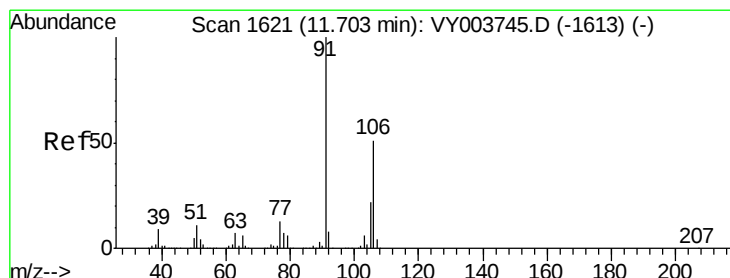
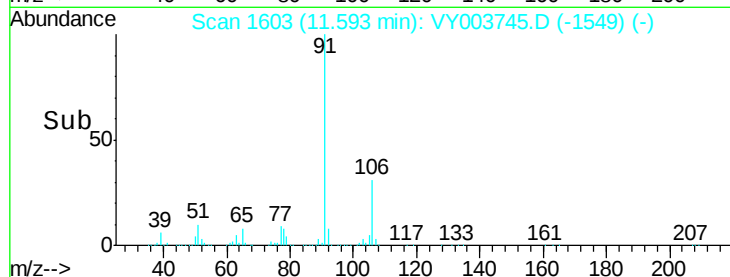
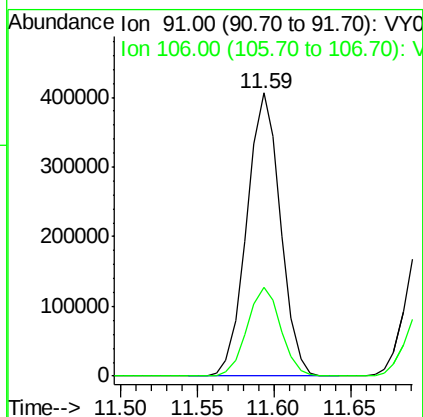
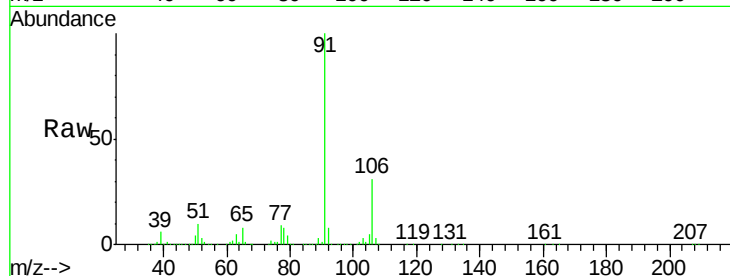




#53
Ethylbenzene
Concen: 27.511 ug/L
RT: 11.59 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VY003745.D
Acq: 14 Dec 2020 12:47

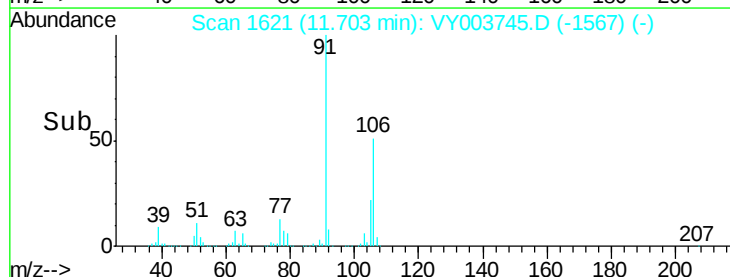
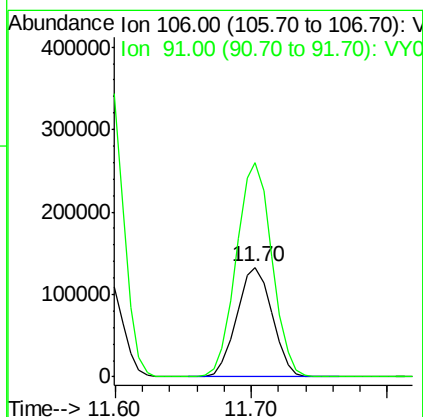
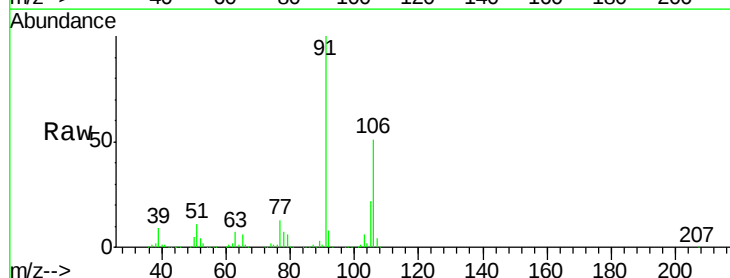
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02580

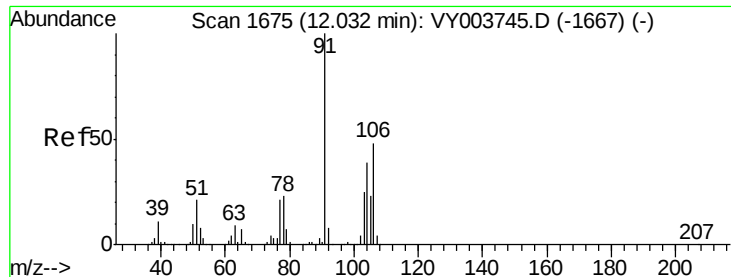
Tgt Ion: 91 Resp: 621944
Ion Ratio Lower Upper
91 100
106 31.5 22.0 41.0



#54
m,p-Xylene
Concen: 27.794 ug/L
RT: 11.70 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VY003745.D
Acq: 14 Dec 2020 12:47

Tgt Ion: 106 Resp: 241408
Ion Ratio Lower Upper
106 100
91 194.9 136.4 253.4





#55

o-xylene

Concen: 27.527 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

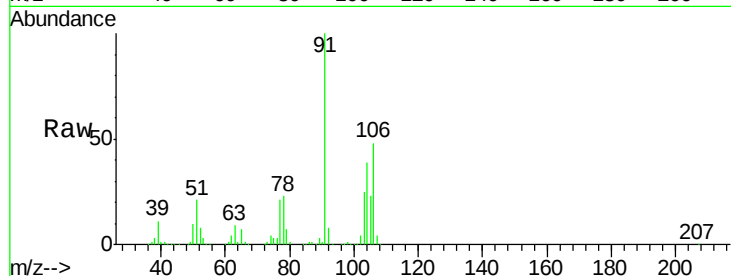
VSTD02580

Tgt Ion:106 Resp: 229434

Ion Ratio Lower Upper

106 100

91 207.8 145.5 270.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

300000

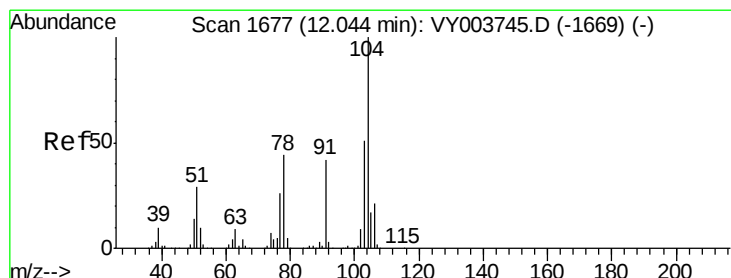
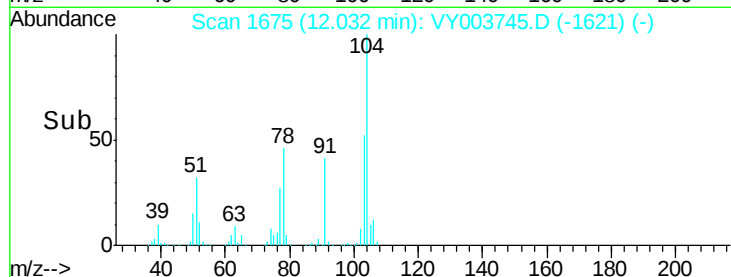
200000

100000

0

12.03

Time-->



#56

Styrene

Concen: 27.688 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VY003745.D

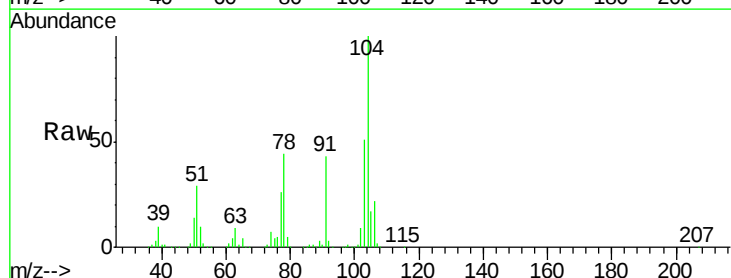
Acq: 14 Dec 2020 12:47

Tgt Ion:104 Resp: 394057

Ion Ratio Lower Upper

104 100

78 43.7 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0

300000

250000

200000

150000

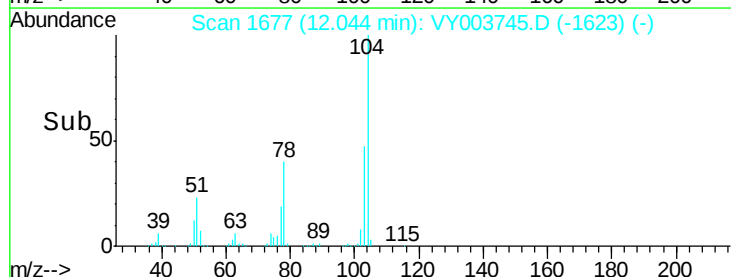
100000

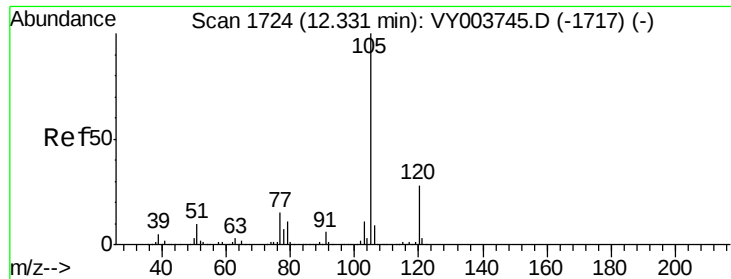
50000

0

12.04

Time-->





#57

Isopropylbenzene

Concen: 27.825 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02580

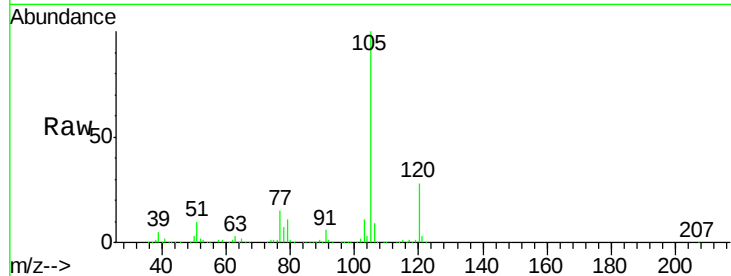
Tgt Ion: 105 Resp: 607076

Ion Ratio Lower Upper

105 100

120 27.6 22.1 33.1

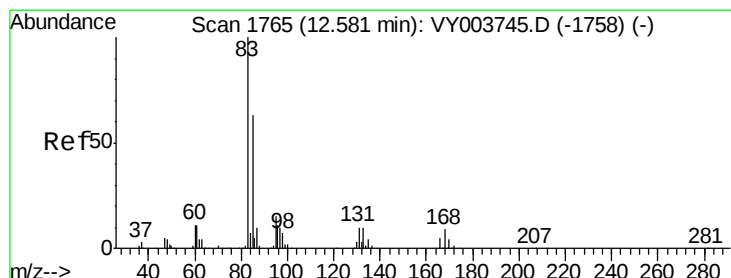
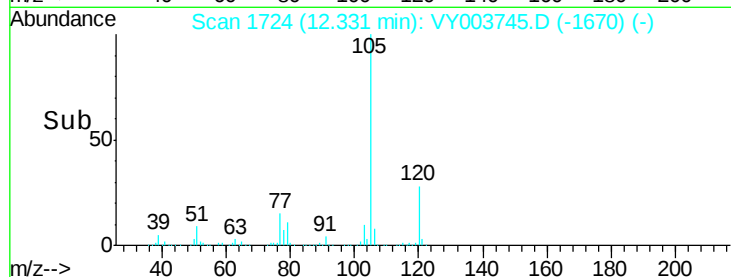
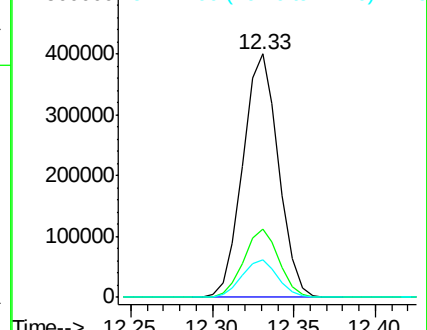
77 15.3 12.2 18.4



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: 29.227 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

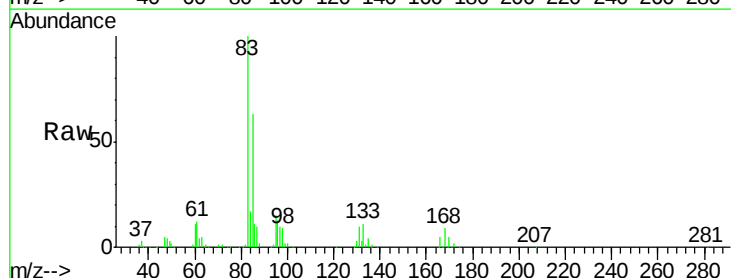
Tgt Ion: 83 Resp: 135139

Ion Ratio Lower Upper

83 100

85 62.7 43.9 81.5

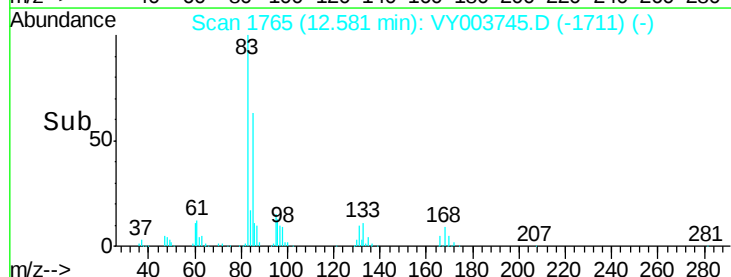
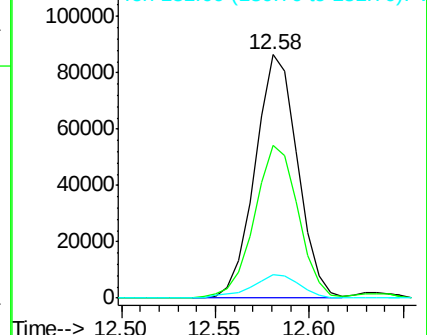
131 9.8 7.8 11.8

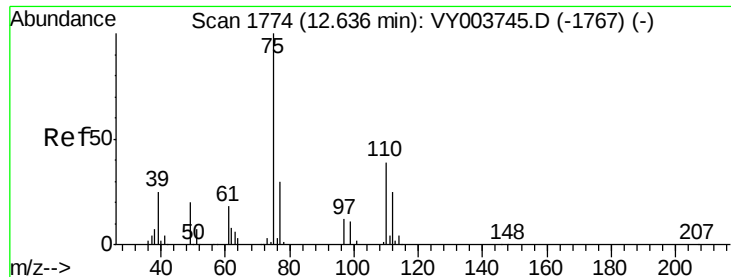


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.748 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

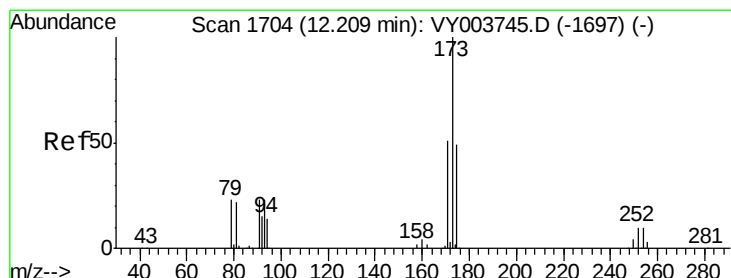
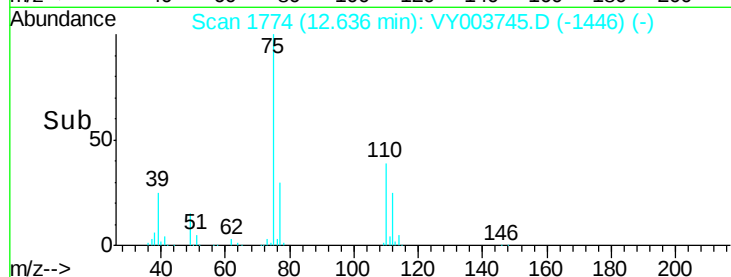
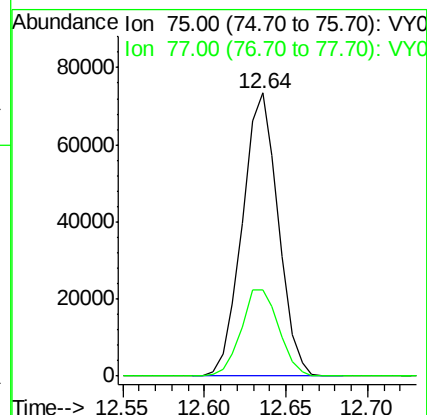
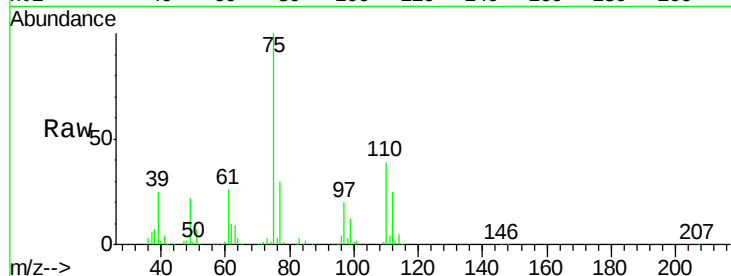
VSTD02580

Tgt Ion: 75 Resp: 112927

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



#62

Bromoform

Concen: 26.991 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

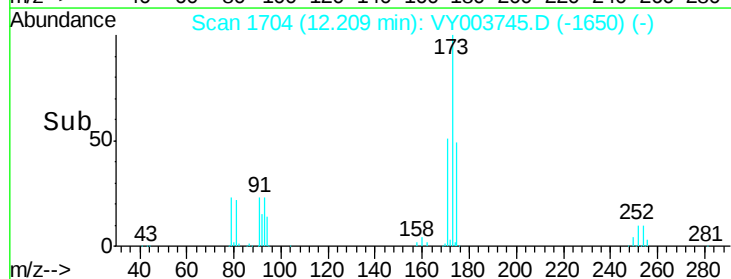
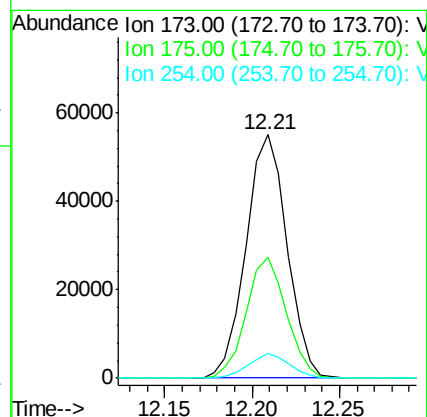
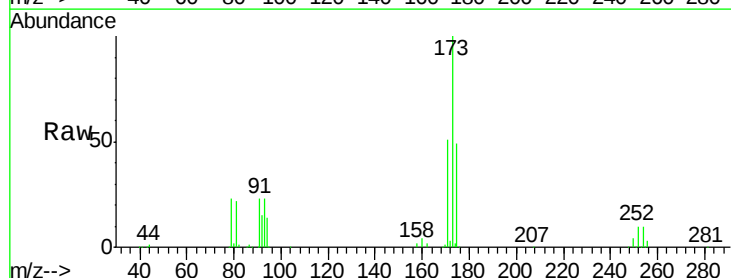
Tgt Ion: 173 Resp: 89692

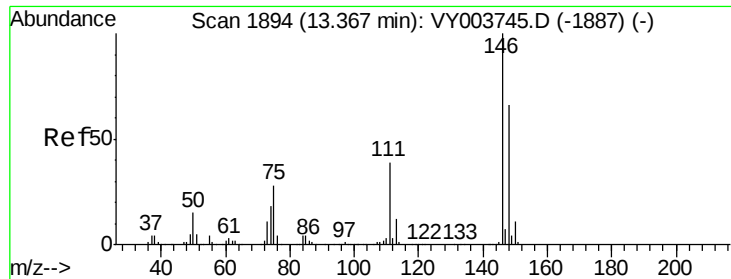
Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

254 9.7 7.8 11.6

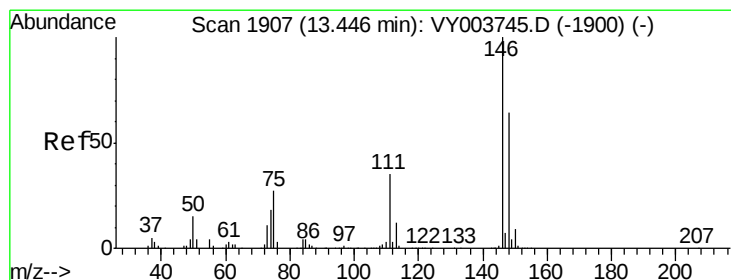
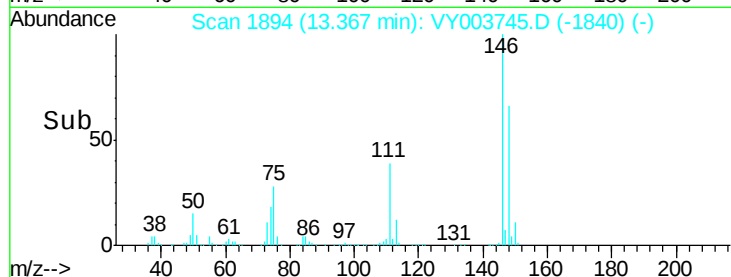
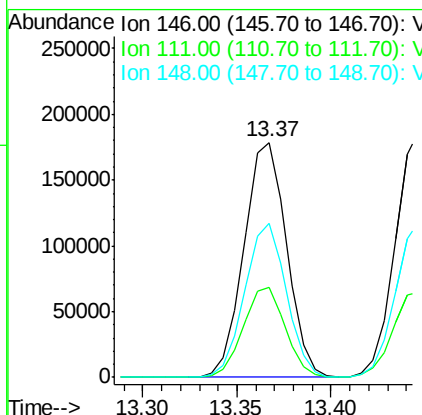
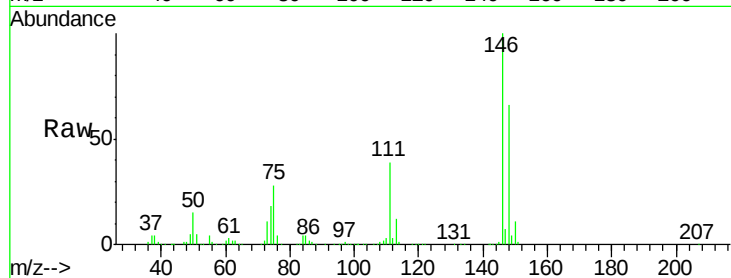




#63
 1,3-Dichlorobenzene
 Concen: 26.834 ug/L
 RT: 13.37 min Scan# 1894
 Delta R.T. 0.00 min
 Lab File: VY003745.D
 Acq: 14 Dec 2020 12:47

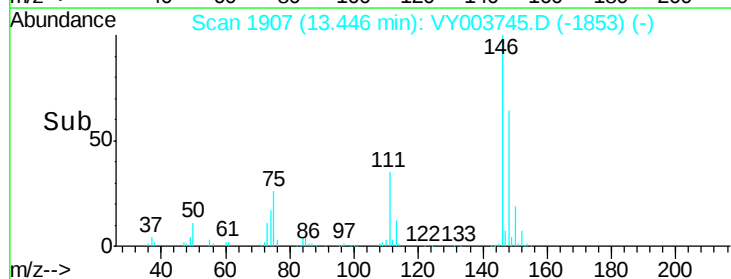
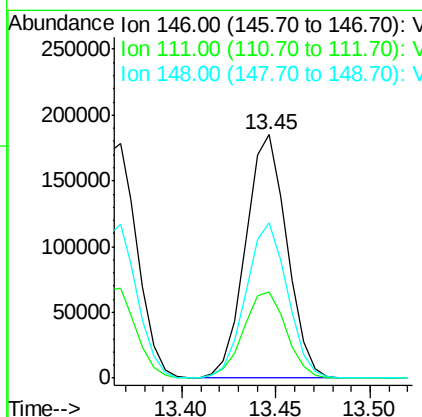
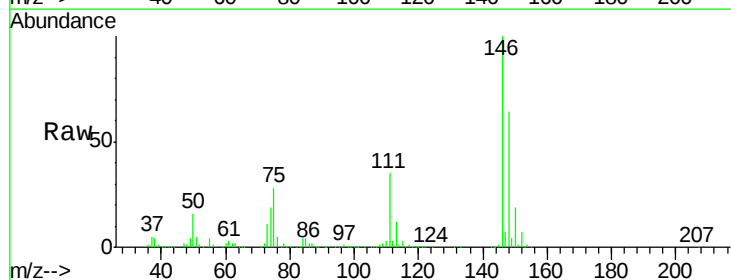
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02580

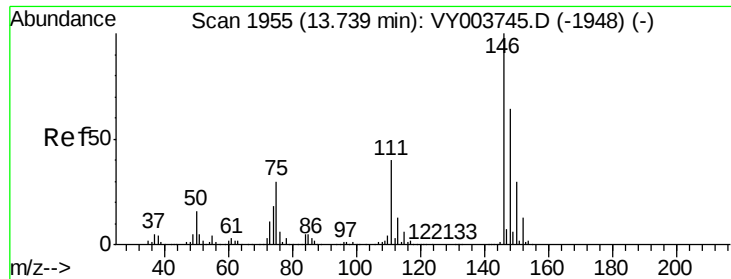
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	26.9	50.1
148	65.7	46.0	85.4



#64
 1,4-Dichlorobenzene
 Concen: 26.540 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003745.D
 Acq: 14 Dec 2020 12:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	24.8	46.0
148	63.5	44.4	82.5

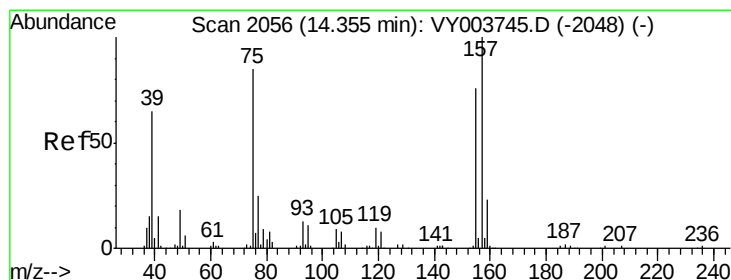
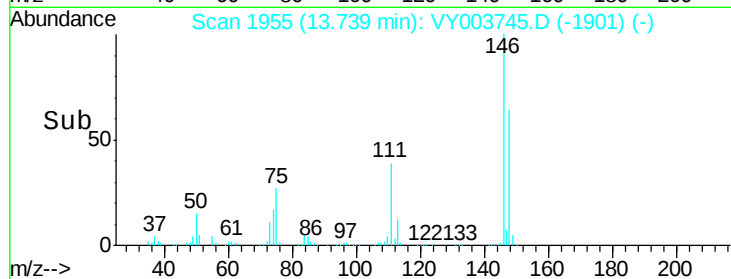
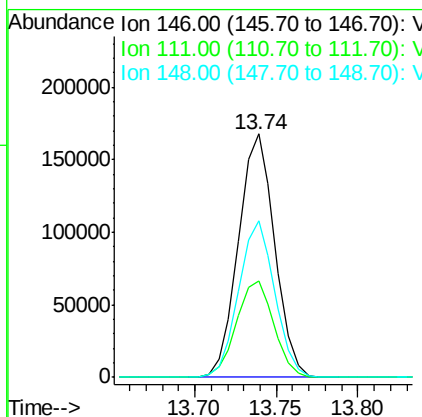
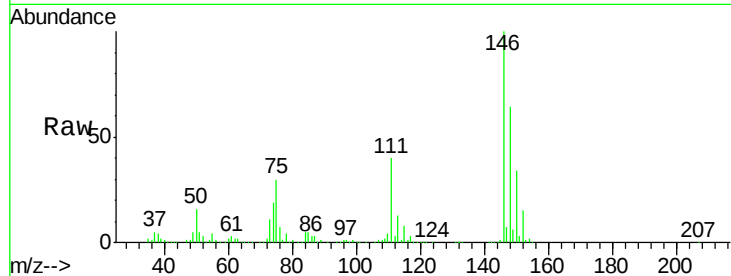




#65
 1,2-Dichlorobenzene
 Concen: 27.181 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VY003745.D
 Acq: 14 Dec 2020 12:47

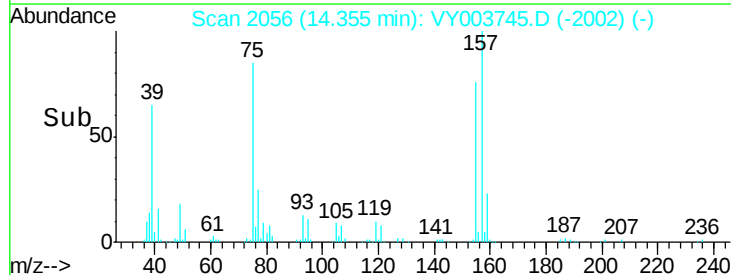
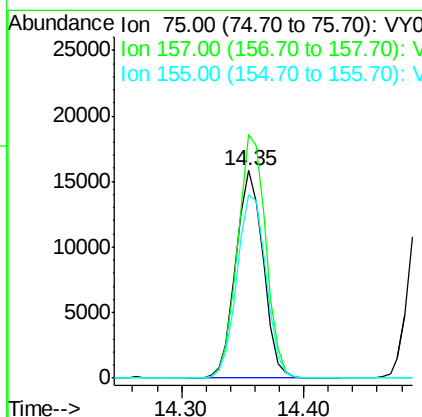
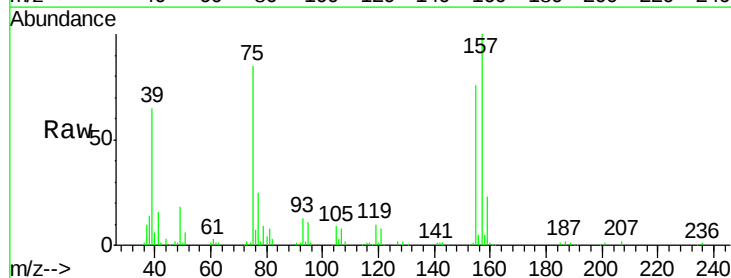
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02580

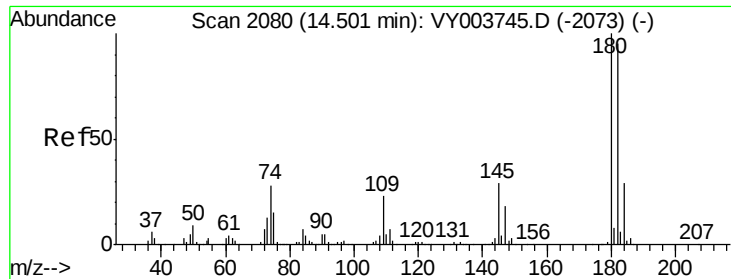
Tgt Ion:146 Resp: 260179
 Ion Ratio Lower Upper
 146 100
 111 39.8 31.8 47.8
 148 64.1 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.396 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: VY003745.D
 Acq: 14 Dec 2020 12:47

Tgt Ion: 75 Resp: 24544
 Ion Ratio Lower Upper
 75 100
 157 117.3 93.8 140.8
 155 88.6 70.9 106.3

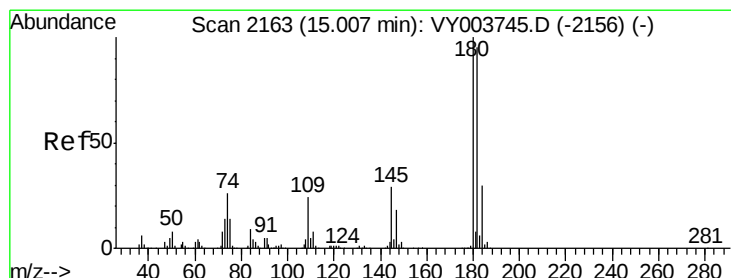
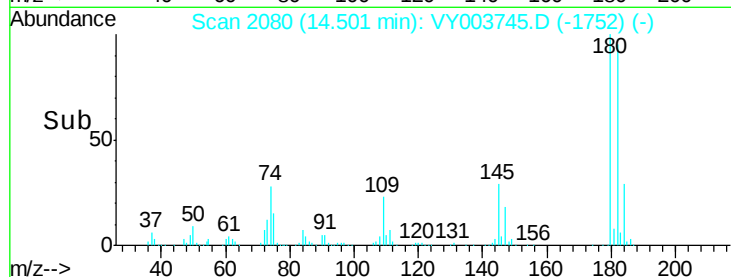
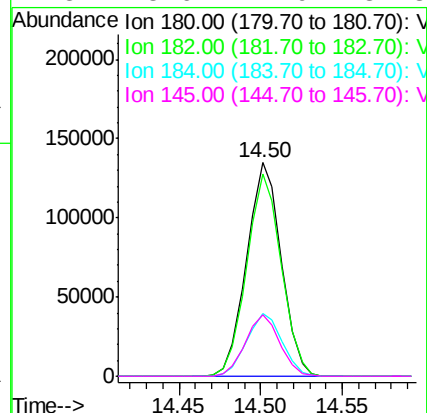
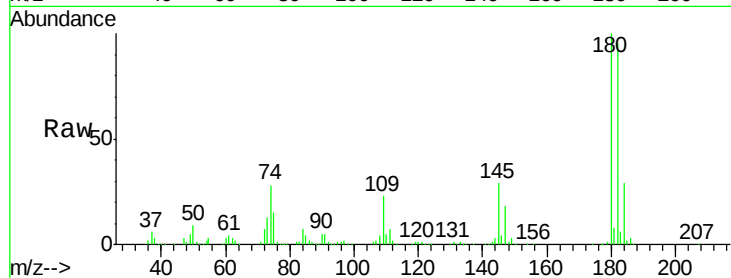




#67
 1,3,5-Trichlorobenzene
 Concen: 26.998 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003745.D
 Acq: 14 Dec 2020 12:47

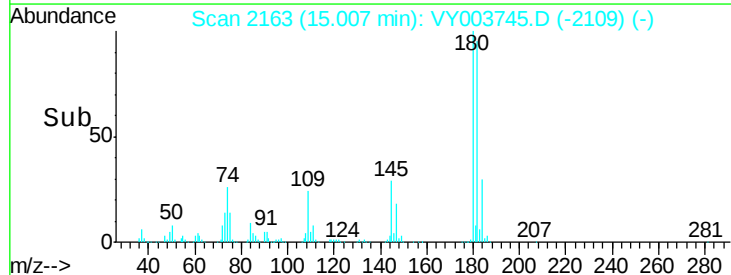
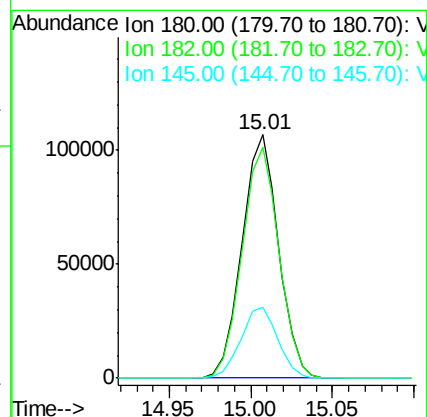
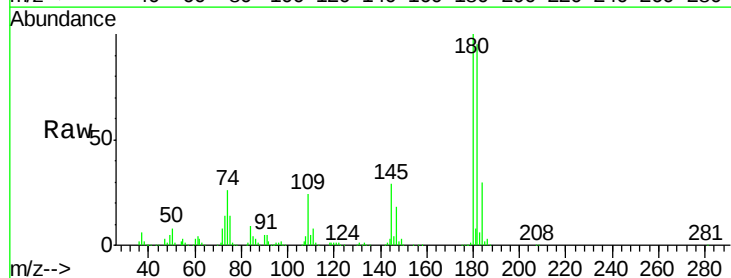
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02580

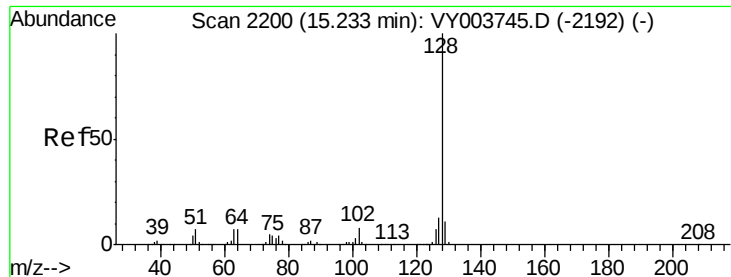
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.7	113.5
184	30.3	24.2	36.4
145	28.6	22.9	34.3



#68
 1,2,4-trichlorobenzene
 Concen: 26.541 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VY003745.D
 Acq: 14 Dec 2020 12:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
145	29.6	23.7	35.5





#69

Naphthalene

Concen: 29.652 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02580

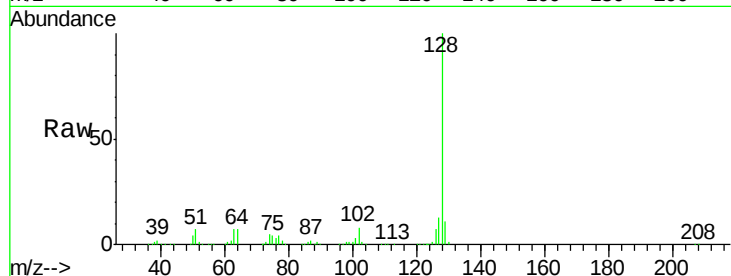
Tgt Ion:128 Resp: 398493

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

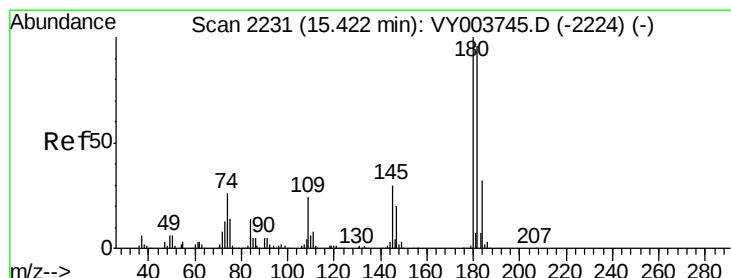
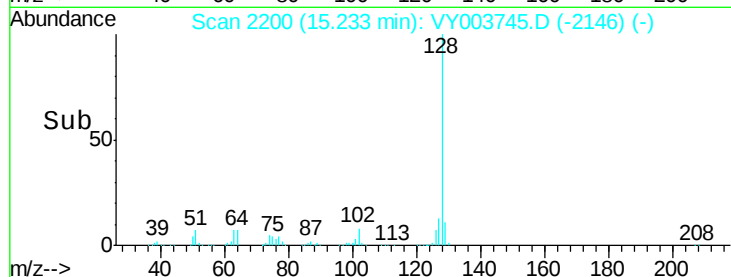
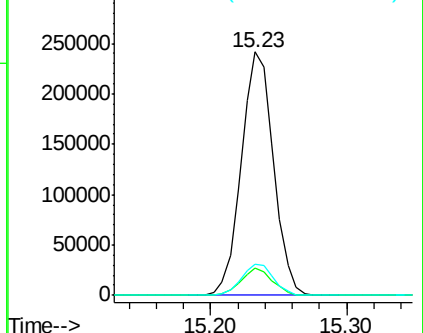
127 12.8 10.2 15.4



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: 26.410 ug/L

RT: 15.42 min Scan# 2231

Delta R.T. 0.00 min

Lab File: VY003745.D

Acq: 14 Dec 2020 12:47

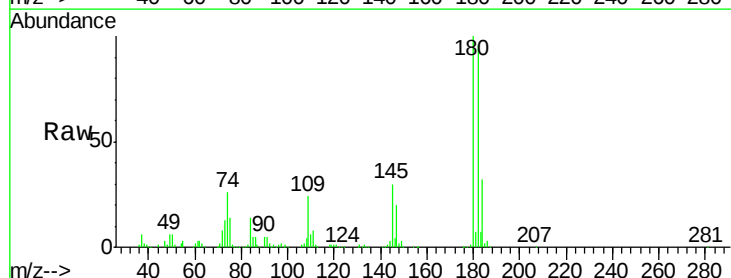
Tgt Ion:180 Resp: 150857

Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.6

145 31.3 25.0 37.6



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

