

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122320\
 Data File : VY003840.D
 Acq On : 23 Dec 2020 16:24
 Operator : SY/MD
 Sample : VSTD02581
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02581

Quant Time: Dec 23 16:54:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM122320S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 23 16:50:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	245406	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	231132	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	124470	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	90860	26.72	ug/L	0.00
7) Chloroethane-d5	2.77	69	61495	24.70	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	156843	22.77	ug/L	0.00
20) 2-Butanone-d5	6.90	46	58391	42.10	ug/L	0.00
24) Chloroform-d	7.48	84	136627	22.10	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	89076	24.80	ug/L	0.00
29) Benzene-d6	8.12	84	340417	25.44	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.12	67	95277	23.39	ug/L	0.00
37) Toluene-d8	10.18	98	329030	26.88	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.43	79	50617	25.09	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	49813	45.40	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	85540	24.08	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	126508	27.72	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	108118	25.368 ug/L	100
3) Chloromethane	2.12	50	99903	25.659 ug/L	100
5) Vinyl chloride	2.25	62	107823	27.279 ug/L	100
6) Bromomethane	2.66	94	58698	24.842 ug/L	100
8) Chloroethane	2.80	64	57411	25.367 ug/L	100
9) Trichlorofluoromethane	3.13	101	147997	25.036 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	88215	24.736 ug/L	100
12) 1,1-Dichloroethene	3.88	96	85781	25.149 ug/L	100
13) Acetone	3.95	43	39596	41.017 ug/L	100
14) Carbon disulfide	4.20	76	285313	24.070 ug/L	100
15) Methyl Acetate	4.48	43	48301	19.546 ug/L	# 88
16) Methylene chloride	4.73	84	97640	22.113 ug/L	100
17) Methyl tert-butyl Ether	5.23	73	225981	23.988 ug/L	100
18) trans-1,2-Dichloroethene	5.23	96	93738	25.336 ug/L	100
19) 1,1-Dichloroethane	6.03	63	142759	22.934 ug/L	100
21) 2-Butanone	6.99	43	64102	38.640 ug/L	100
22) cis-1,2-Dichloroethene	6.99	96	100112	25.488 ug/L	100
23) Bromochloromethane	7.34	128	45042	24.240 ug/L	100
25) Chloroform	7.51	83	132031	21.791 ug/L	100
27) 1,2-Dichloroethane	8.24	62	104457	24.248 ug/L	100
30) Cyclohexane	7.79	56	127986	21.001 ug/L	100
31) 1,1,1-Trichloroethane	7.71	97	141664	25.030 ug/L	100
32) Carbon tetrachloride	7.90	117	132971	26.244 ug/L	100
34) Benzene	8.17	78	366518	24.914 ug/L	100
35) Trichloroethene	8.94	95	97272	24.711 ug/L	100
36) Methylcyclohexane	9.19	83	163488	24.532 ug/L	100
40) 1,2-Dichloropropane	9.22	63	85240	22.818 ug/L	100
41) Bromodichloromethane	9.50	83	115379	24.277 ug/L	100
42) cis-1,3-Dichloropropene	9.93	75	145056	24.172 ug/L	100
43) 4-Methyl-2-pentanone	10.07	43	141843	40.418 ug/L	100

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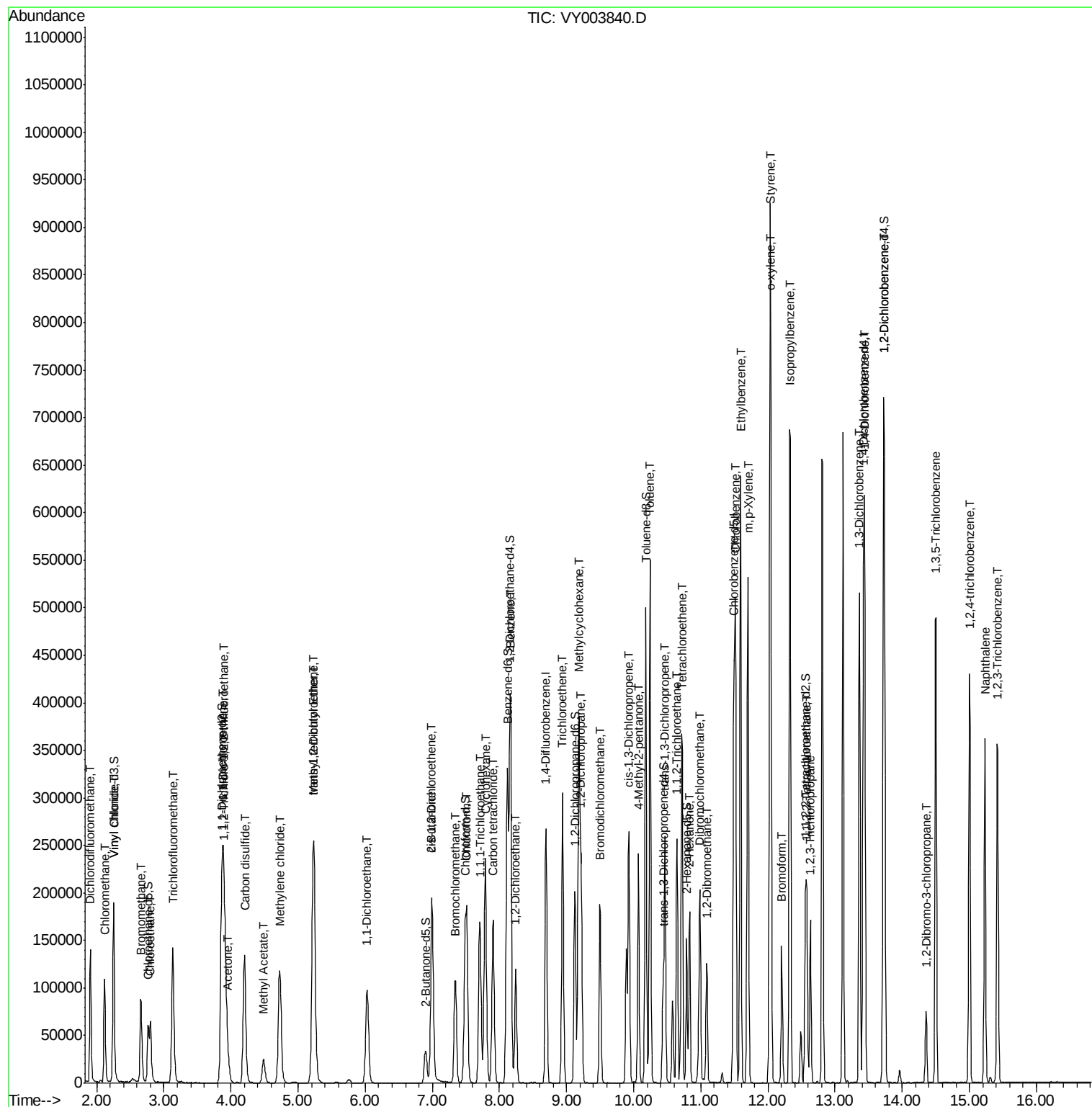
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.24	91	411042	26.064	ug/L	100
45) trans-1,3-Dichloropropene	10.47	75	134070	24.449	ug/L	100
46) 1,1,2-Trichloroethane	10.64	97	78310	25.361	ug/L	100
47) Tetrachloroethene	10.72	164	85929	26.760	ug/L	100
49) 2-Hexanone	10.83	43	102689	42.716	ug/L	100
50) Dibromochloromethane	10.98	129	96309	26.369	ug/L	100
51) 1,2-Dibromoethane	11.09	107	75855	24.952	ug/L	100
52) Chlorobenzene	11.51	112	270358	26.585	ug/L	100
53) Ethylbenzene	11.59	91	443357	25.787	ug/L	100
54) m,p-Xylene	11.70	106	178383	26.695	ug/L	100
55) o-xylene	12.03	106	168953	26.958	ug/L	100
56) Styrene	12.04	104	294421	27.428	ug/L	100
57) Isopropylbenzene	12.32	105	446779	26.704	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.58	83	79764	22.783	ug/L	100
59) 1,2,3-Trichloropropane	12.64	75	65492	22.237	ug/L	100
62) Bromoform	12.21	173	66613	25.821	ug/L	100
63) 1,3-Dichlorobenzene	13.36	146	212602	26.132	ug/L	100
64) 1,4-Dichlorobenzene	13.44	146	221364	26.558	ug/L	100
65) 1,2-Dichlorobenzene	13.73	146	205329	27.115	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.35	75	16486	22.869	ug/L	100
67) 1,3,5-Trichlorobenzene	14.50	180	161591	28.103	ug/L	100
68) 1,2,4-trichlorobenzene	15.00	180	137606	27.954	ug/L	100
69) Naphthalene	15.23	128	299652	27.218	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	122340	27.446	ug/L	100

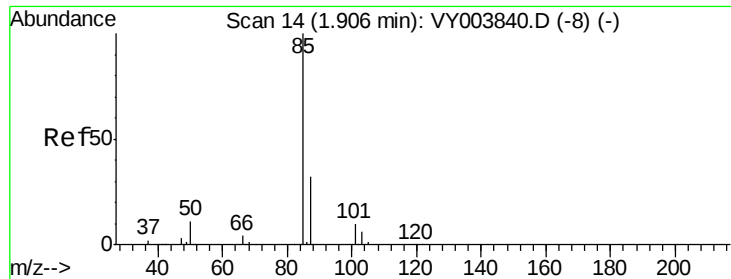
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.368 ug/L

RT: 1.91 min Scan# 14

Delta R.T. 0.00 min

Lab File: VY003840.D

Acq: 23 Dec 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

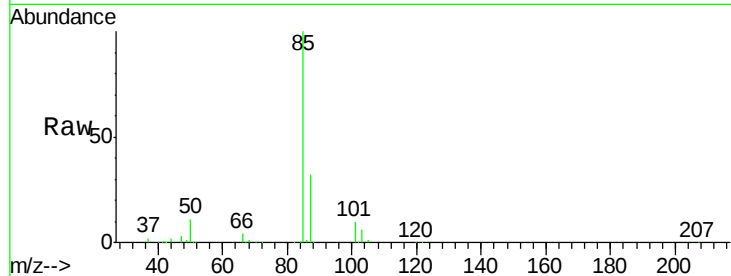
VSTD02581

Tgt Ion: 85 Resp: 108118

Ion Ratio Lower Upper

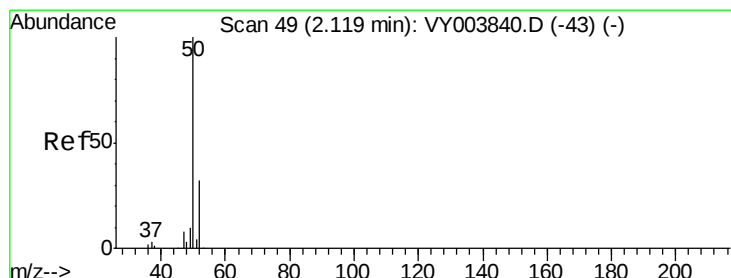
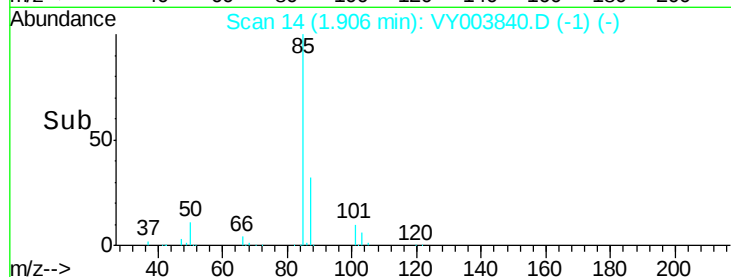
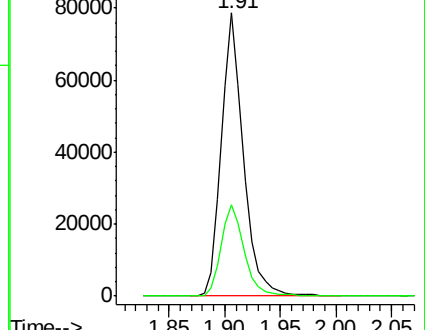
85 100

87 33.5 23.4 43.6



Abundance Ion 85.00 (84.70 to 85.70): VY003840.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VY003840.D (-8) (-)



#3

Chloromethane

Concen: 25.659 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003840.D

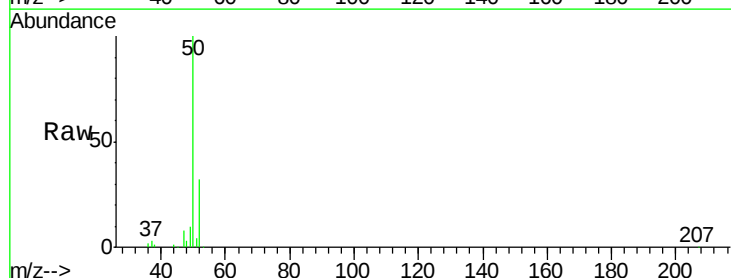
Acq: 23 Dec 2020 16:24

Tgt Ion: 50 Resp: 99903

Ion Ratio Lower Upper

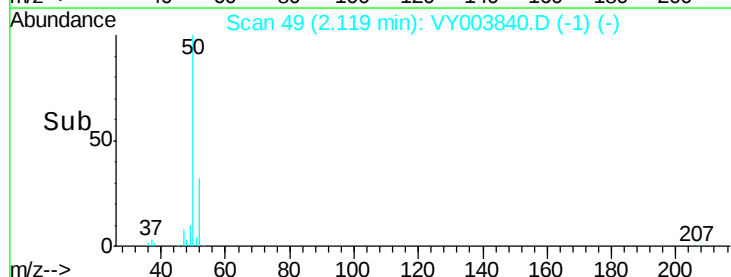
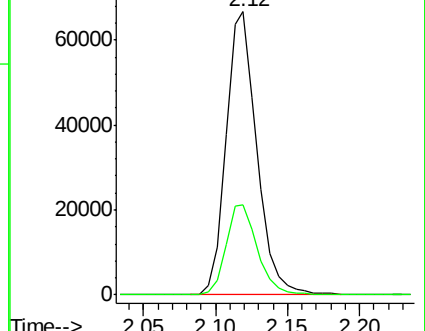
50 100

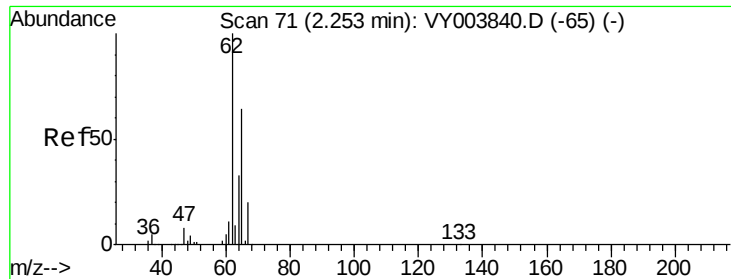
52 31.7 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VY003840.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VY003840.D (-43) (-)





#5

Vinyl chloride

Concen: 27.279 ug/L

RT: 2.25 min Scan# 71

Delta R.T. 0.00 min

Lab File: VY003840.D

Acq: 23 Dec 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

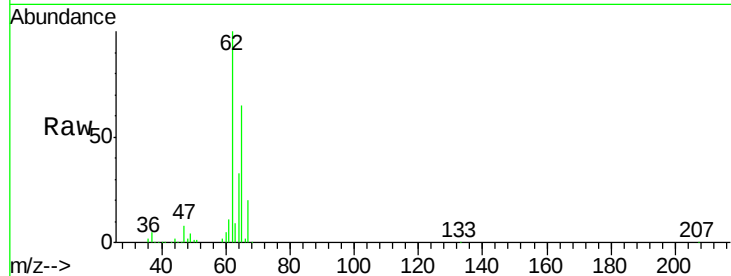
VSTD02581

Tgt Ion: 62 Resp: 107823

Ion Ratio Lower Upper

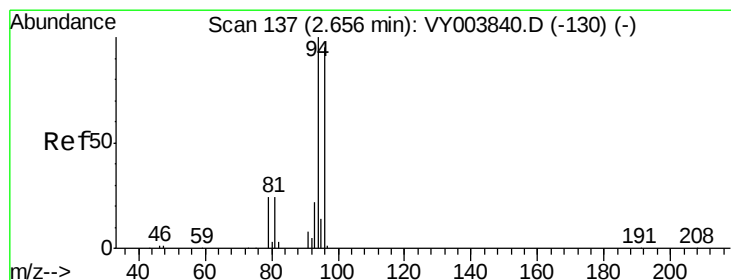
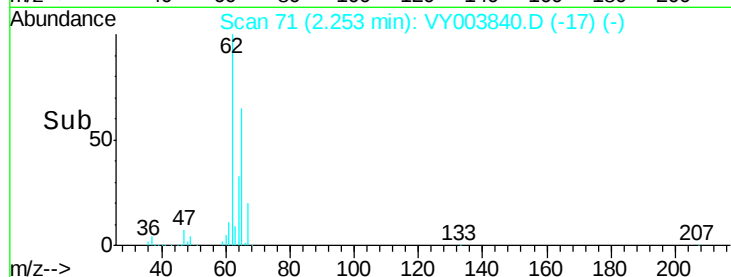
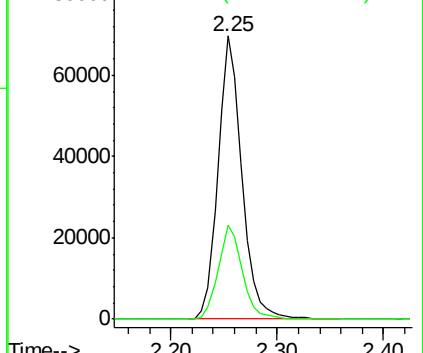
62 100

64 33.0 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 24.842 ug/L

RT: 2.66 min Scan# 137

Delta R.T. 0.00 min

Lab File: VY003840.D

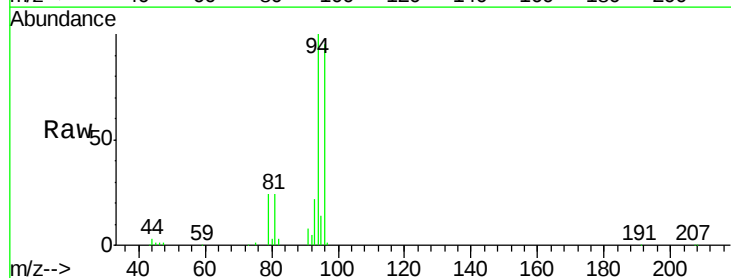
Acq: 23 Dec 2020 16:24

Tgt Ion: 94 Resp: 58698

Ion Ratio Lower Upper

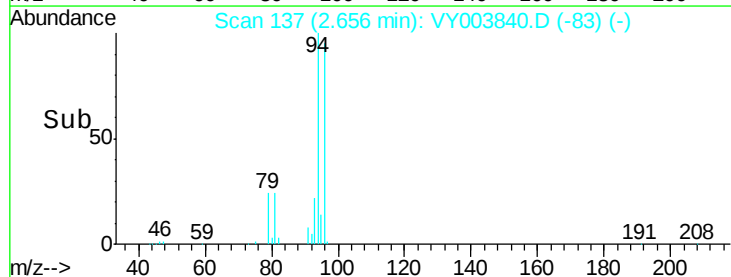
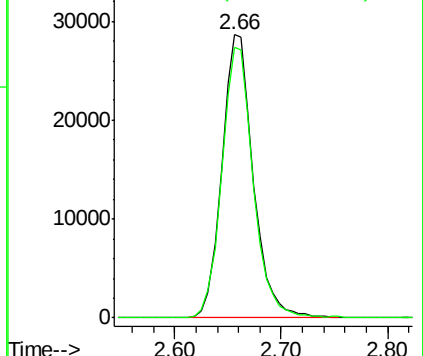
94 100

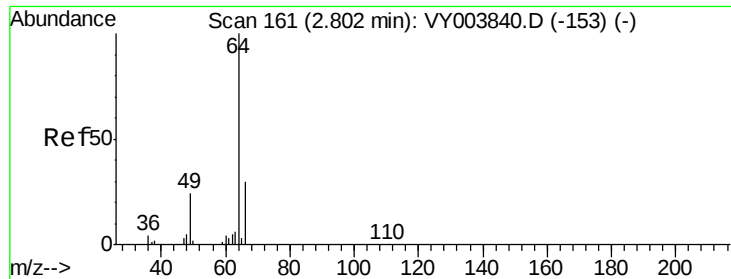
96 95.8 9.6 182.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 25.367 ug/L

RT: 2.80 min Scan# 161

Delta R.T. 0.00 min

Lab File: VY003840.D

Acq: 23 Dec 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

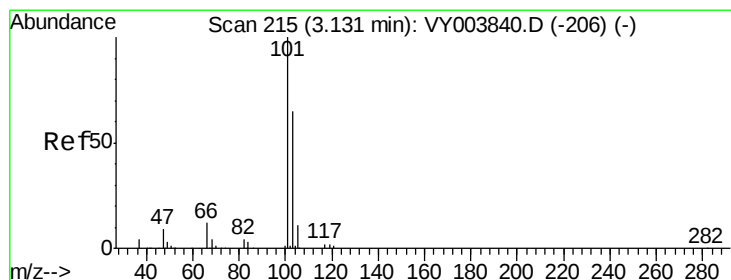
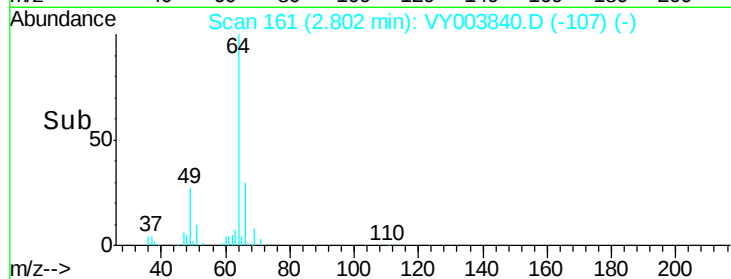
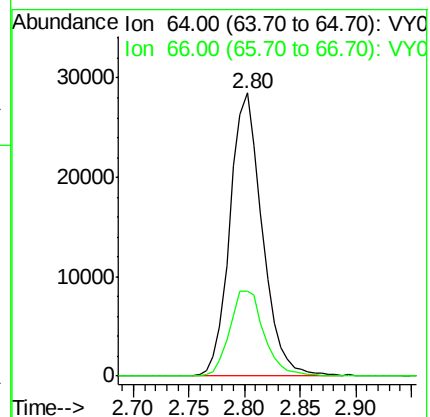
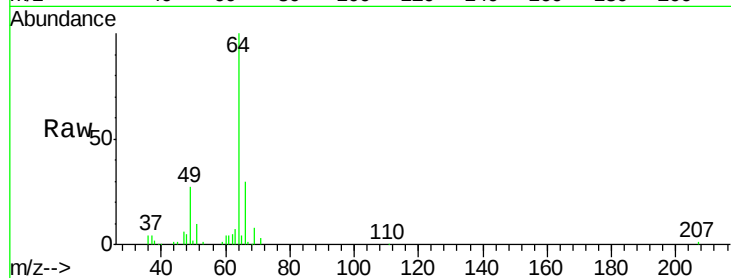
VSTD02581

Tgt Ion: 64 Resp: 57411

Ion Ratio Lower Upper

64 100

66 29.9 20.9 38.9



#9

Trichlorofluoromethane

Concen: 25.036 ug/L

RT: 3.13 min Scan# 215

Delta R.T. 0.00 min

Lab File: VY003840.D

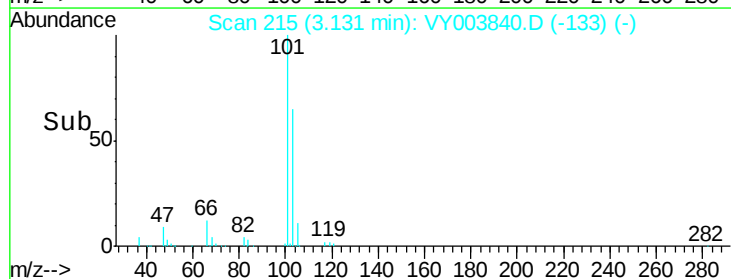
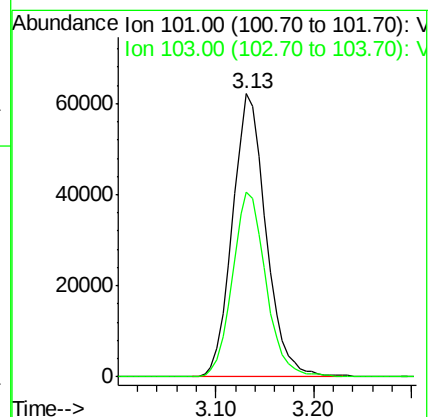
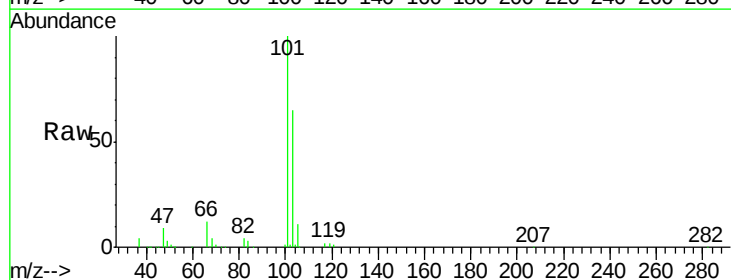
Acq: 23 Dec 2020 16:24

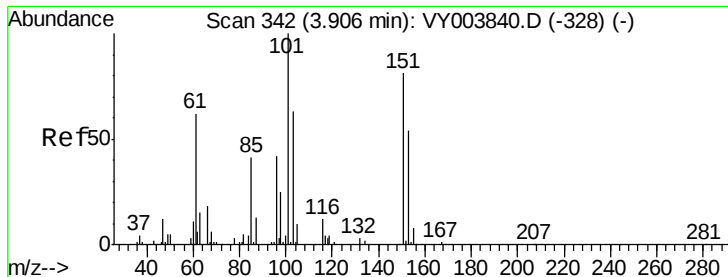
Tgt Ion: 101 Resp: 147997

Ion Ratio Lower Upper

101 100

103 64.5 45.1 83.9





#11

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

Concen: 24.736 ug/L

RT: 3.91 min Scan# 342

Delta R.T. 0.00 min

Lab File: VY003840.D

Acq: 23 Dec 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02581

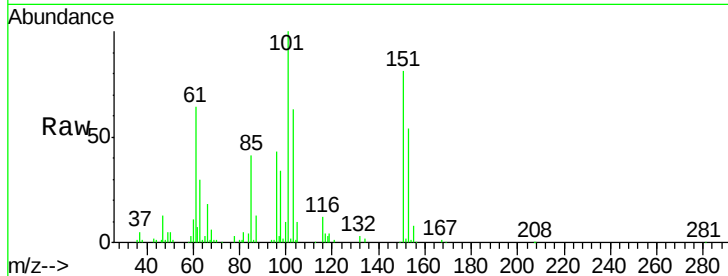
Tgt Ion:101 Resp: 88215

Ion Ratio Lower Upper

101 100

85 43.1 34.5 51.7

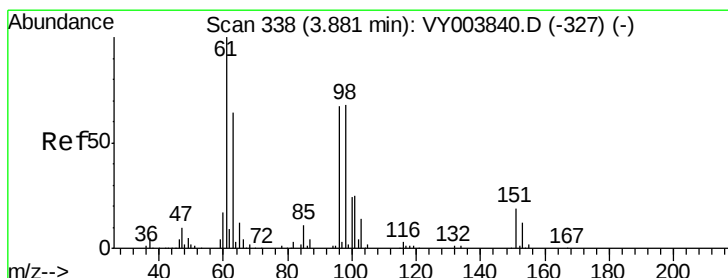
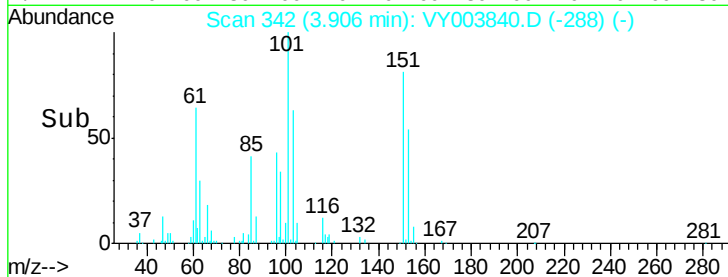
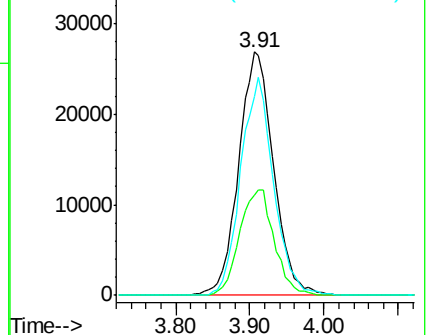
151 84.5 67.6 101.4



Abundance Ion 101.00 (100.70 to 101.70): VY003840.D (-328) (-)

Ion 85.00 (84.70 to 85.70): VY003840.D (-328) (-)

Ion 151.00 (150.70 to 151.70): VY003840.D (-328) (-)



#12

1,1-Dichloroethene

Concen: 25.149 ug/L

RT: 3.88 min Scan# 338

Delta R.T. 0.00 min

Lab File: VY003840.D

Acq: 23 Dec 2020 16:24

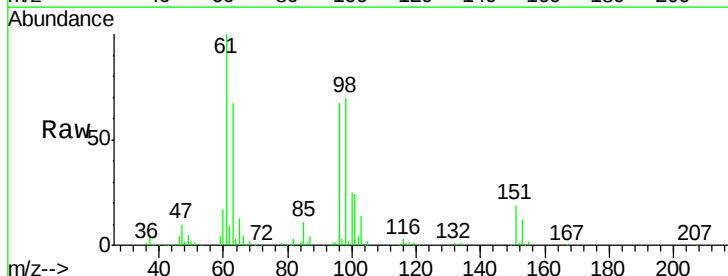
Tgt Ion: 96 Resp: 85781

Ion Ratio Lower Upper

96 100

61 149.6 104.7 194.5

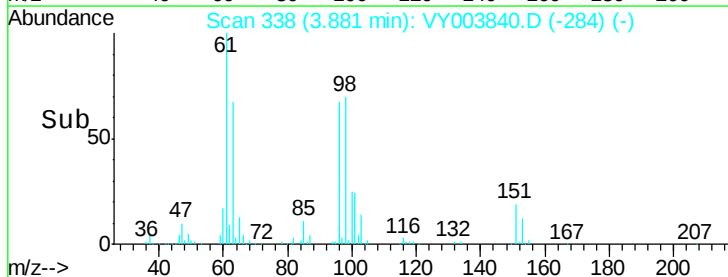
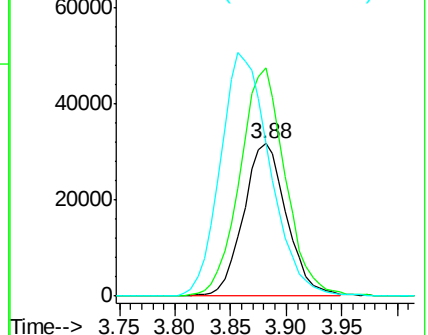
63 99.8 69.9 129.7

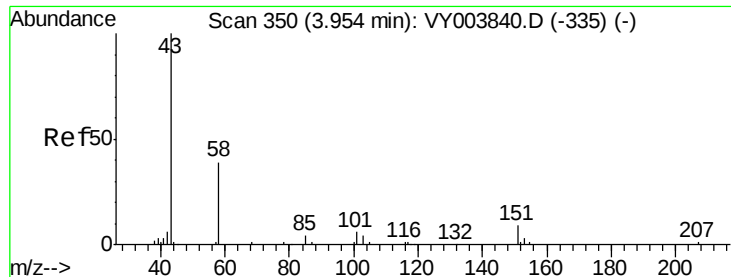


Abundance Ion 96.00 (95.70 to 96.70): VY003840.D (-327) (-)

Ion 61.00 (60.70 to 61.70): VY003840.D (-327) (-)

Ion 63.00 (62.70 to 63.70): VY003840.D (-327) (-)





#13

Acetone

Concen: 41.017 ug/L

RT: 3.95 min Scan# 350

Delta R.T. 0.00 min

Lab File: VY003840.D

Acq: 23 Dec 2020 16:24

Instrument :

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ClientSampleId :

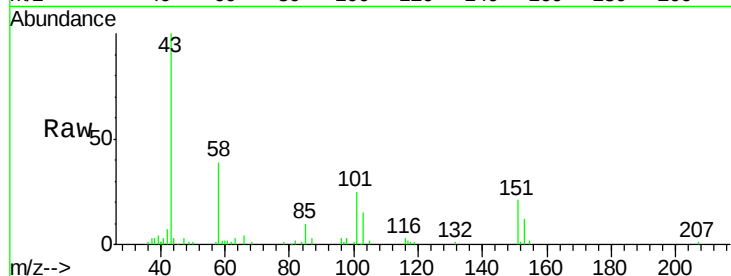
VSTD02581

Tgt Ion: 43 Resp: 39596

Ion Ratio Lower Upper

43 100

58 35.6 0.0 71.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

15000

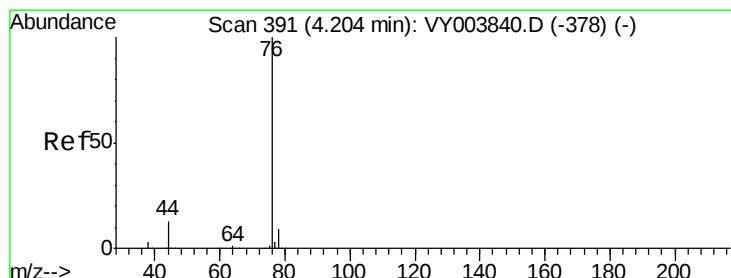
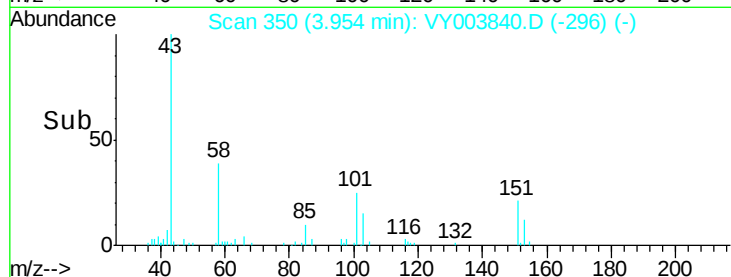
10000

5000

0

Time--> 3.80 3.90 4.00 4.10

3.95



#14

Carbon disulfide

Concen: 24.070 ug/L

RT: 4.20 min Scan# 391

Delta R.T. 0.00 min

Lab File: VY003840.D

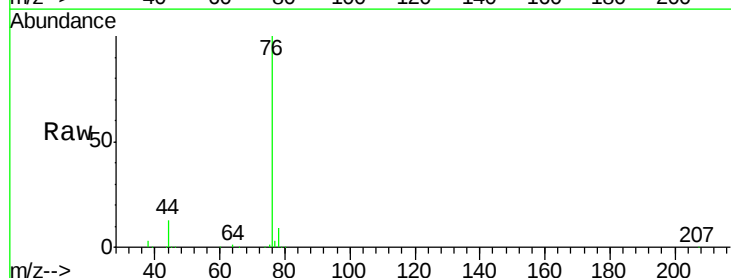
Acq: 23 Dec 2020 16:24

Tgt Ion: 76 Resp: 285313

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

120000

100000

80000

60000

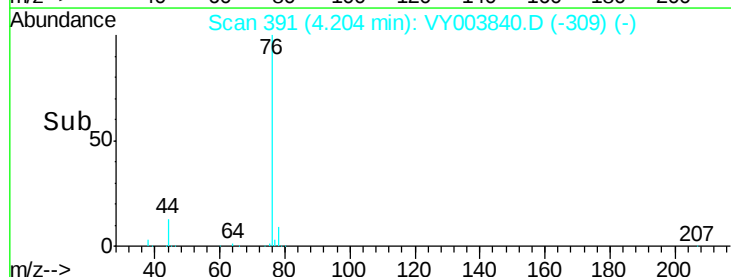
40000

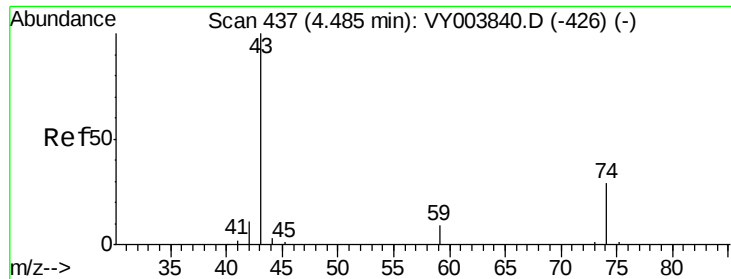
20000

0

Time--> 4.10 4.20 4.30

4.20

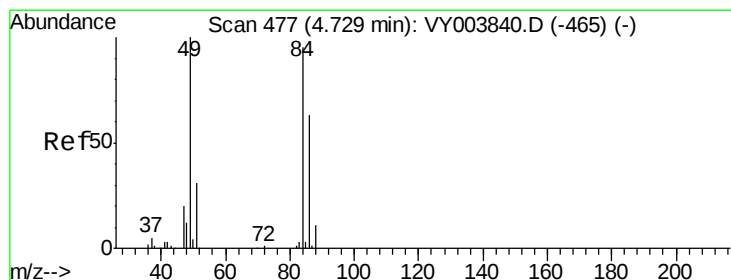
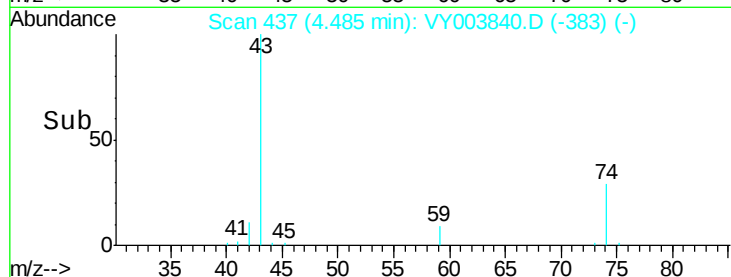
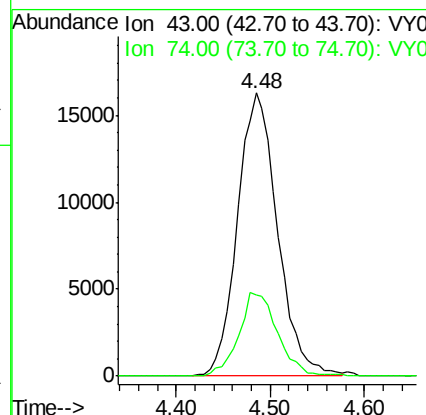
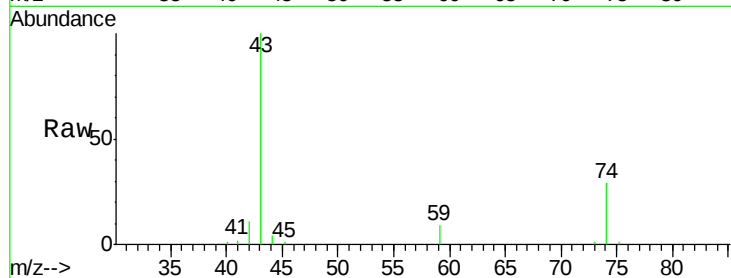




#15
Methyl Acetate
Concen: 19.546 ug/L
RT: 4.48 min Scan# 437
Delta R.T. 0.00 min
Lab File: VY003840.D
Acq: 23 Dec 2020 16:24

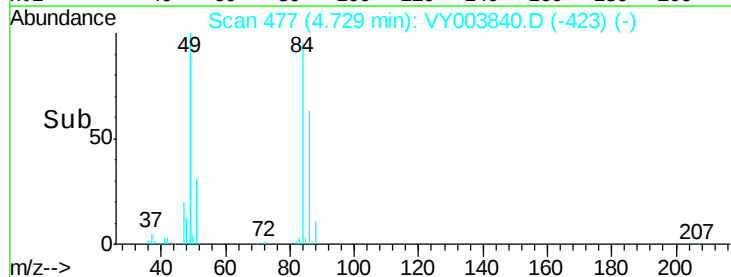
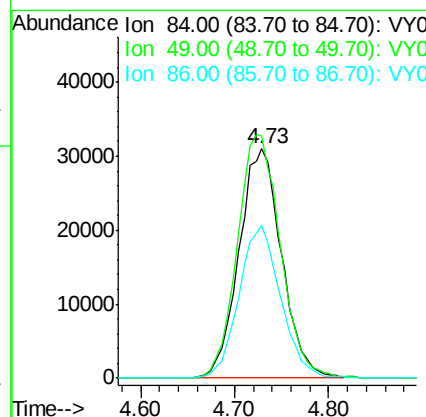
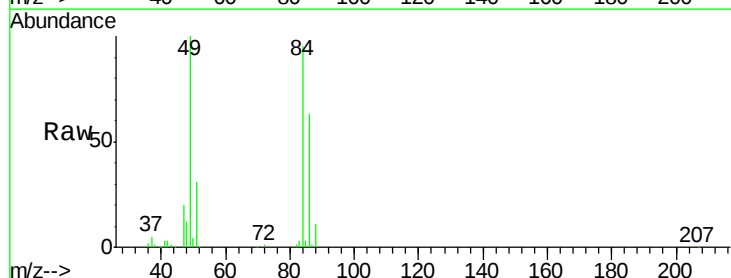
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02581

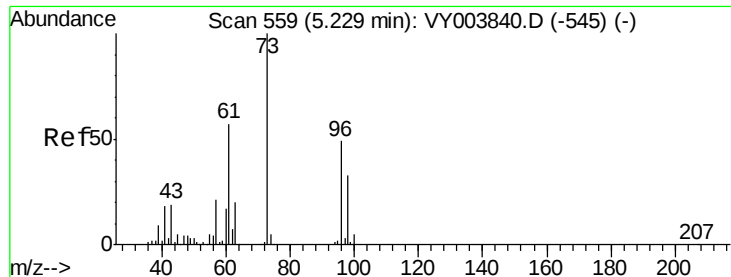
Tgt Ion: 43 Resp: 48301
Ion Ratio Lower Upper
43 100
74 28.4 0.1 0.1#



#16
Methylene chloride
Concen: 22.113 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003840.D
Acq: 23 Dec 2020 16:24

Tgt Ion: 84 Resp: 97640
Ion Ratio Lower Upper
84 100
49 105.8 74.1 137.5
86 66.6 46.6 86.6

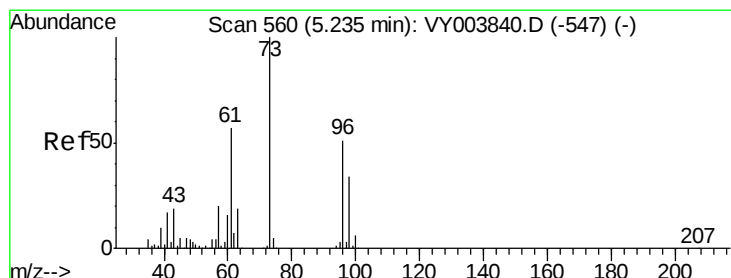
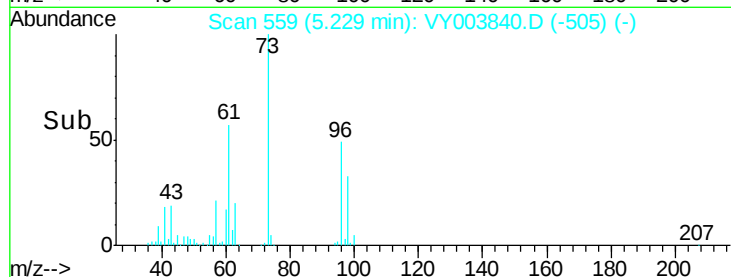
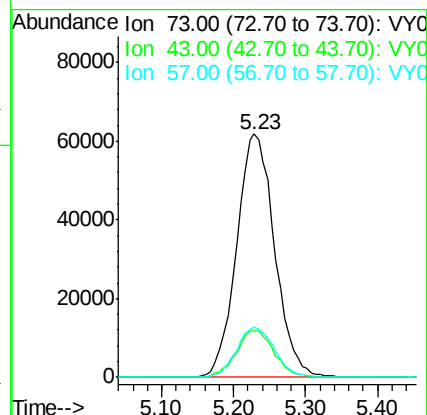
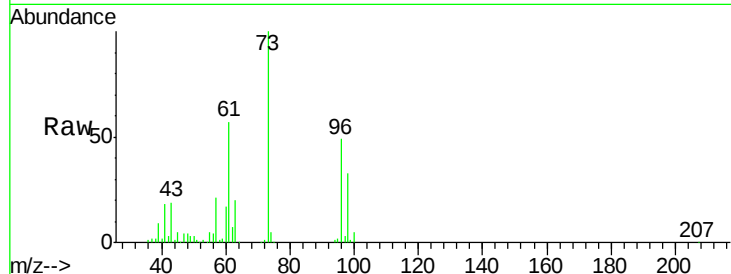




#17
Methyl tert-butyl Ether
Concen: 23.988 ug/L
RT: 5.23 min Scan# 559
Delta R.T. 0.00 min
Lab File: VY003840.D
Acq: 23 Dec 2020 16:24

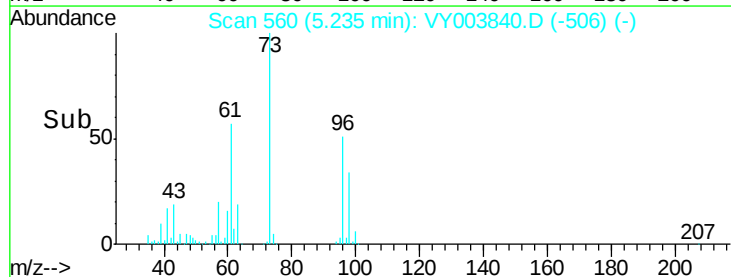
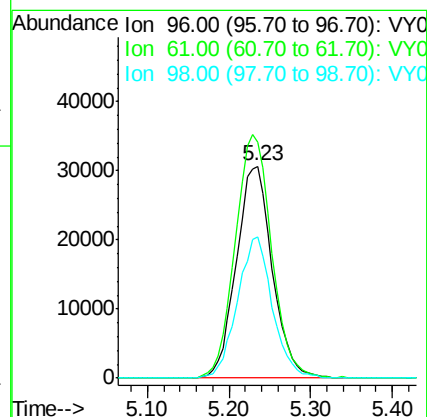
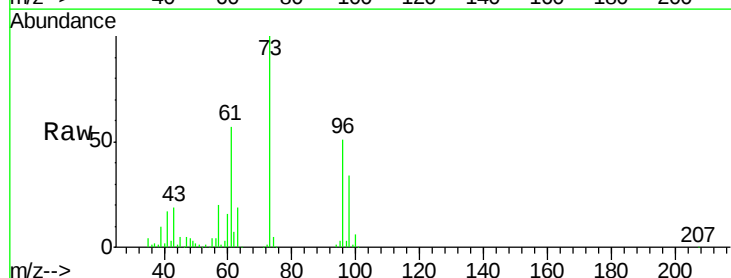
Instrument :
MSVOA_Y
ClientSampled :
VSTD02581

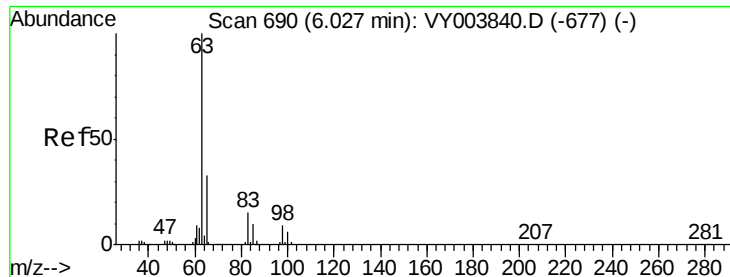
Tgt Ion: 73 Resp: 225981
Ion Ratio Lower Upper
73 100
43 19.1 15.3 22.9
57 21.1 16.9 25.3



#18
trans-1,2-Dichloroethene
Concen: 25.336 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.00 min
Lab File: VY003840.D
Acq: 23 Dec 2020 16:24

Tgt Ion: 96 Resp: 93738
Ion Ratio Lower Upper
96 100
61 111.8 78.3 145.3
98 66.9 46.8 87.0





#19

1,1-Dichloroethane

Concen: 22.934 ug/L

RT: 6.03 min Scan# 690

Delta R.T. 0.00 min

Lab File: VY003840.D

Acq: 23 Dec 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02581

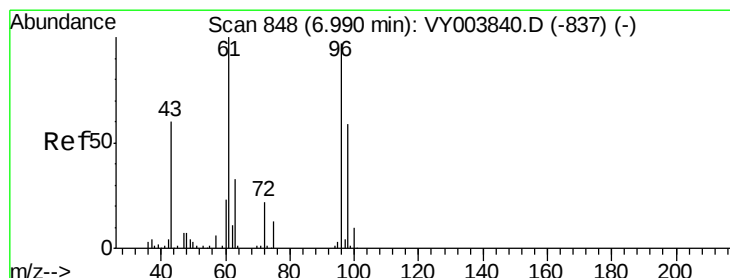
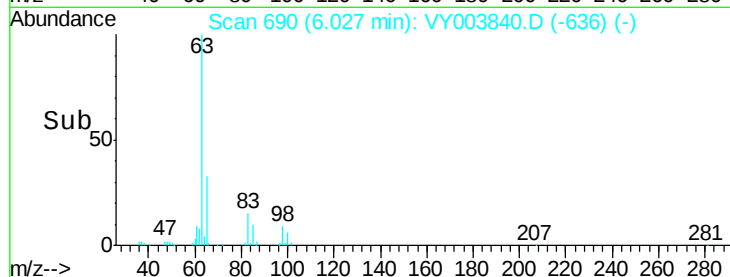
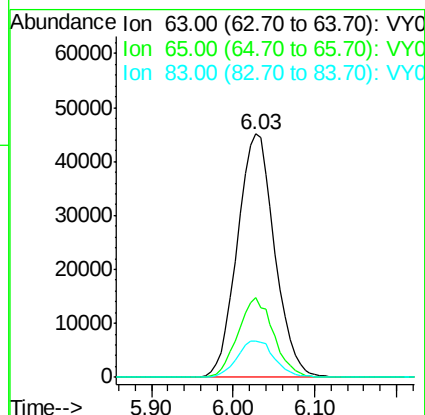
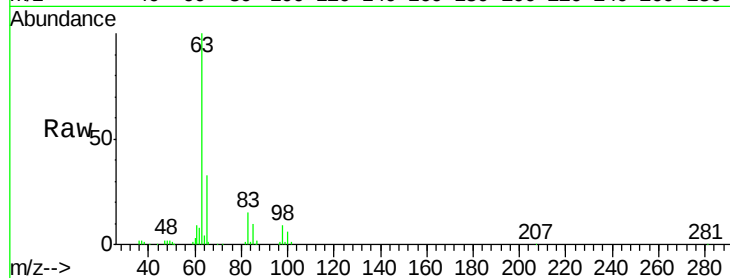
Tgt Ion: 63 Resp: 142759

Ion Ratio Lower Upper

63 100

65 32.7 22.9 42.5

83 14.8 10.4 19.2



#21

2-Butanone

Concen: 38.640 ug/L

RT: 6.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VY003840.D

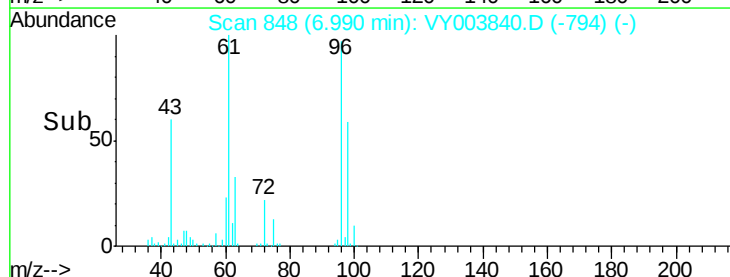
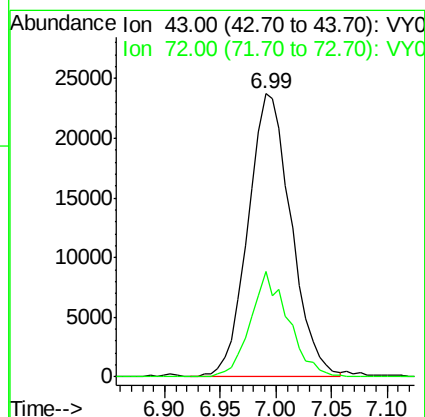
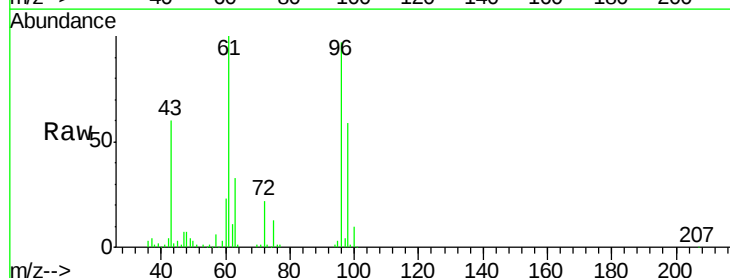
Acq: 23 Dec 2020 16:24

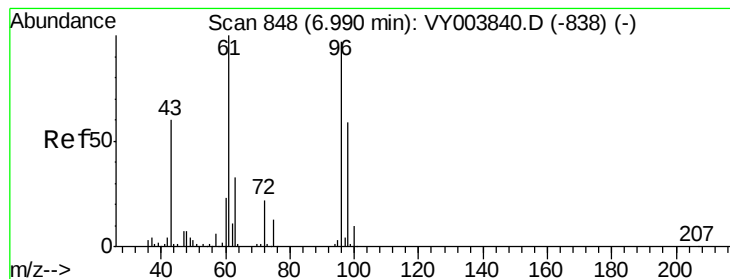
Tgt Ion: 43 Resp: 64102

Ion Ratio Lower Upper

43 100

72 32.5 16.3 48.8



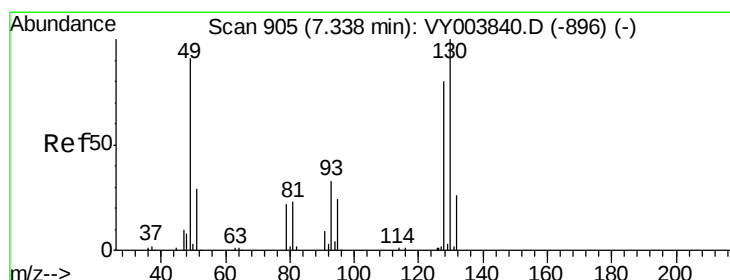
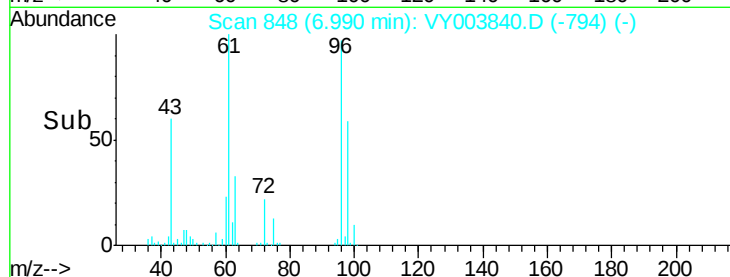
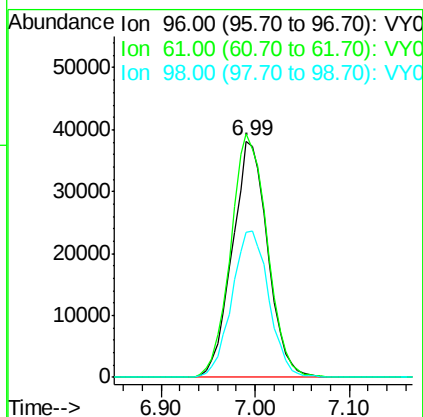
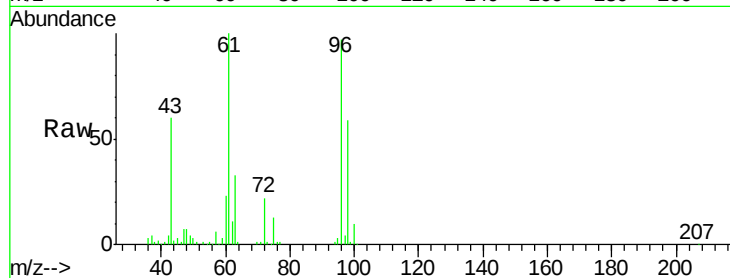


#22

cis-1,2-Dichloroethene
 Concen: 25.488 ug/L
 RT: 6.99 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VY003840.D
 Acq: 23 Dec 2020 16:24

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD02581

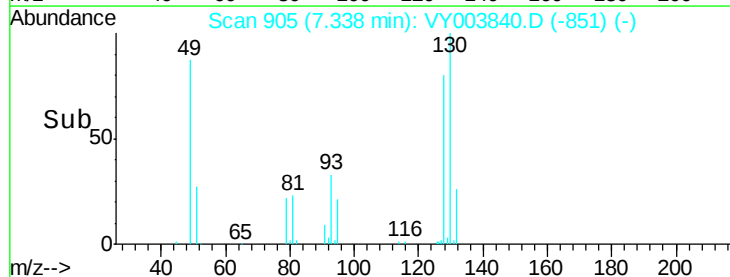
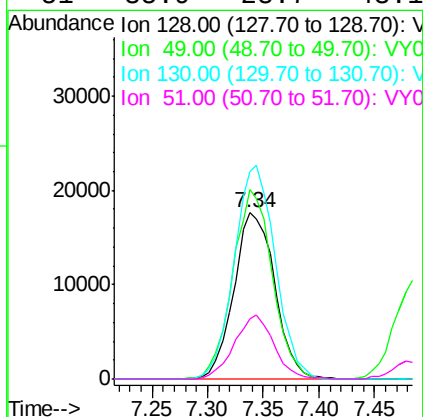
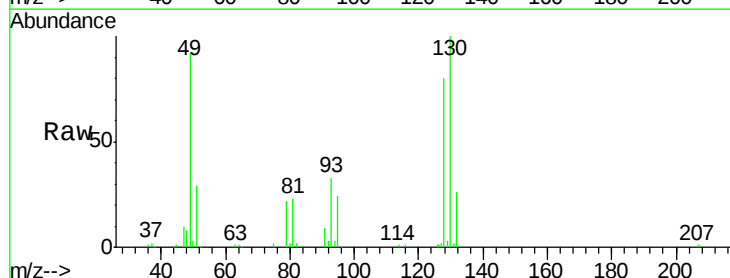
Tgt Ion: 96 Resp: 100112
 Ion Ratio Lower Upper
 96 100
 61 103.2 72.2 134.2
 98 61.3 42.9 79.7

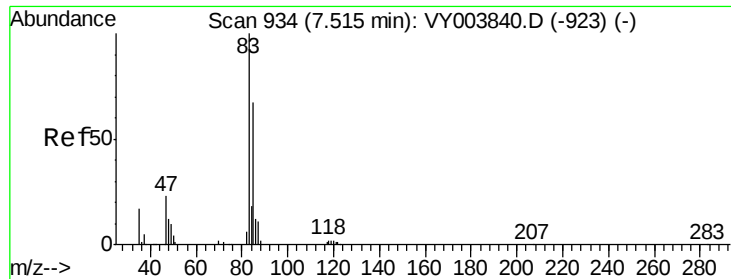


#23

Bromochloromethane
 Concen: 24.240 ug/L
 RT: 7.34 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: VY003840.D
 Acq: 23 Dec 2020 16:24

Tgt Ion: 128 Resp: 45042
 Ion Ratio Lower Upper
 128 100
 49 114.2 79.9 148.5
 130 124.7 87.3 162.1
 51 35.9 28.7 43.1

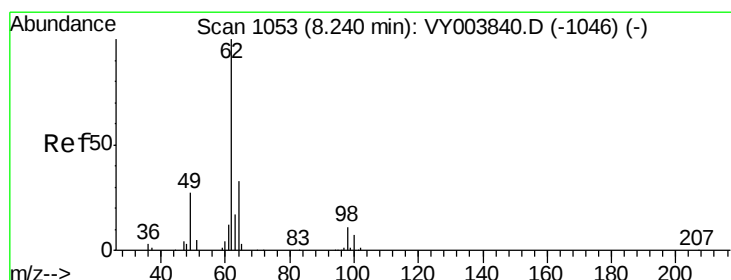
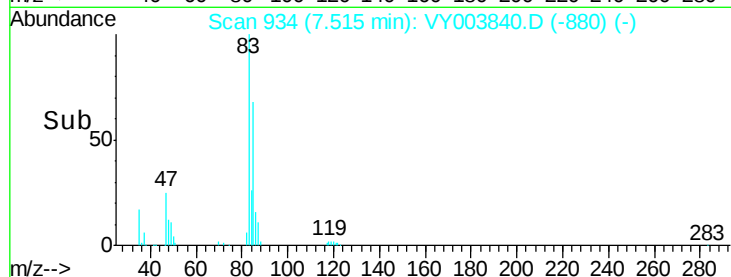
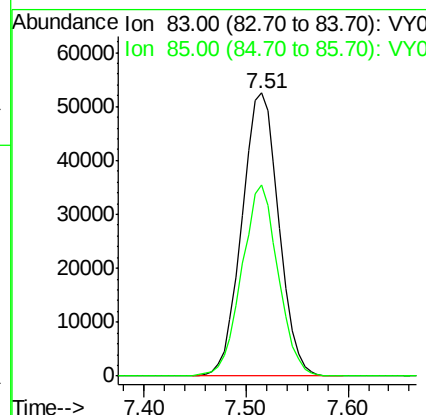
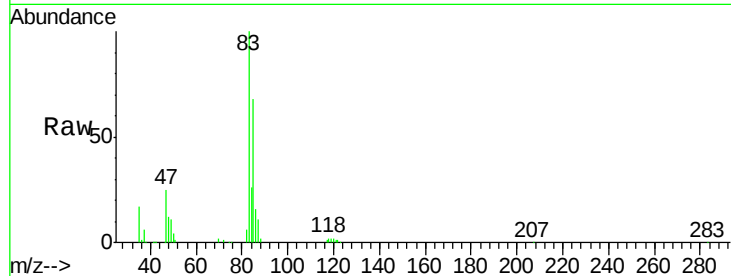




#25
Chloroform
Concen: 21.791 ug/L
RT: 7.51 min Scan# 934
Delta R.T. 0.00 min
Lab File: VY003840.D
Acq: 23 Dec 2020 16:24

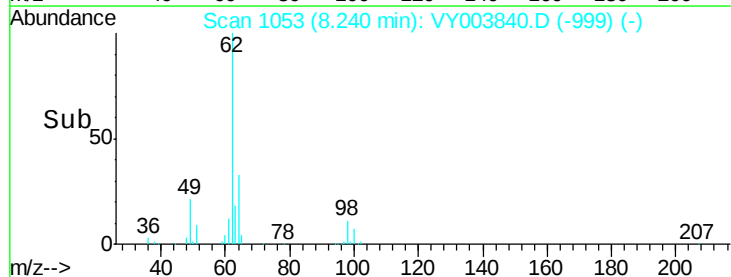
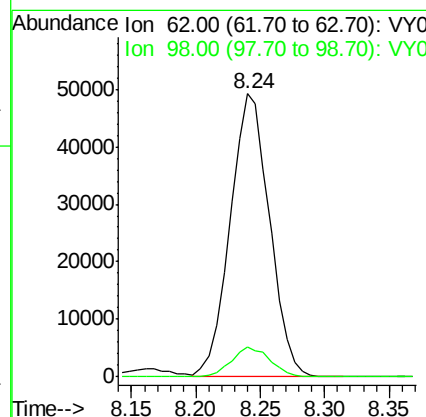
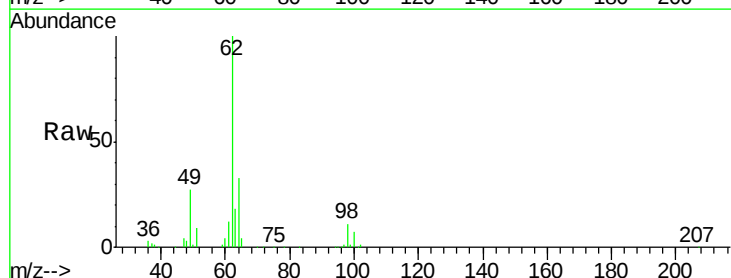
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02581

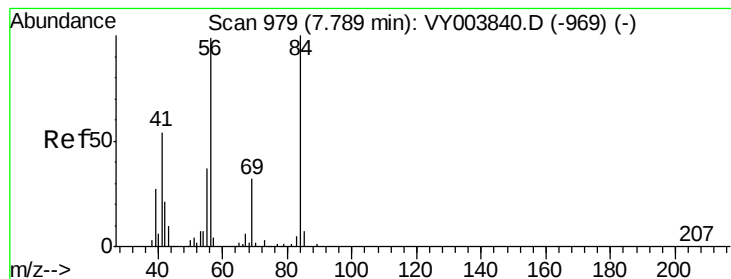
Tgt Ion: 83 Resp: 132031
Ion Ratio Lower Upper
83 100
85 66.5 46.5 86.5



#27
1,2-Dichloroethane
Concen: 24.248 ug/L
RT: 8.24 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VY003840.D
Acq: 23 Dec 2020 16:24

Tgt Ion: 62 Resp: 104457
Ion Ratio Lower Upper
62 100
98 10.7 8.6 12.8





#30

Cyclohexane

Concen: 21.001 ug/L

RT: 7.79 min Scan# 979

Delta R.T. 0.00 min

Lab File: VY003840.D

Acq: 23 Dec 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02581

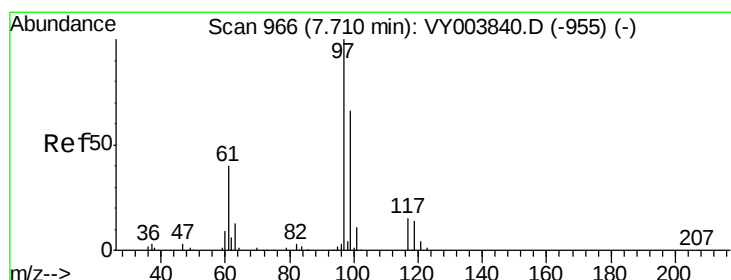
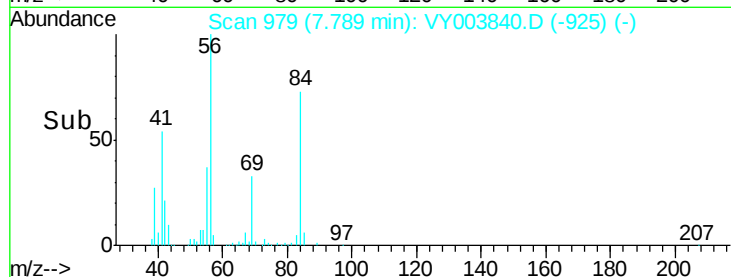
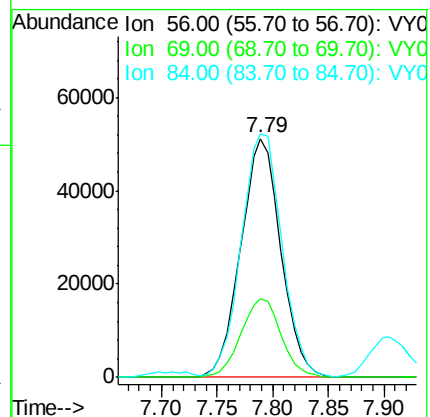
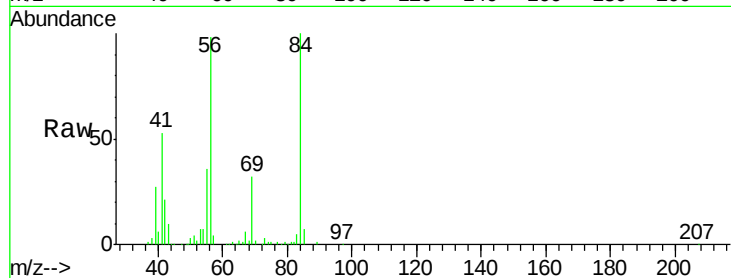
Tgt Ion: 56 Resp: 127986

Ion Ratio Lower Upper

56 100

69 33.1 26.5 39.7

84 104.1 83.3 124.9



#31

1,1,1-Trichloroethane

Concen: 25.030 ug/L

RT: 7.71 min Scan# 966

Delta R.T. 0.00 min

Lab File: VY003840.D

Acq: 23 Dec 2020 16:24

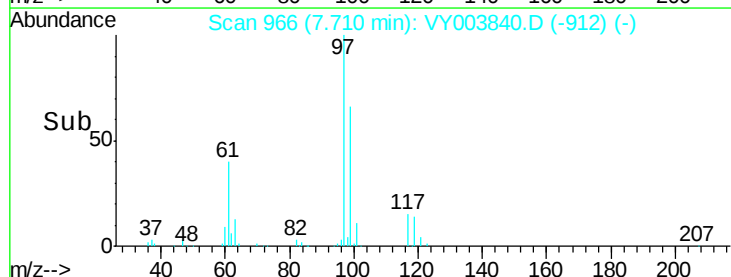
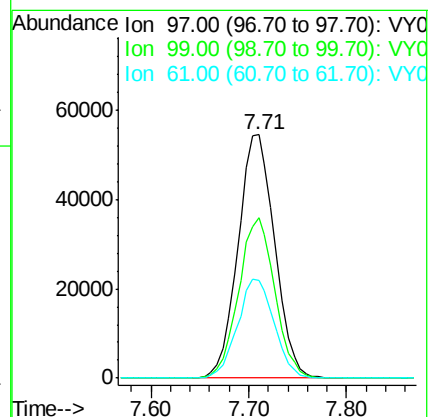
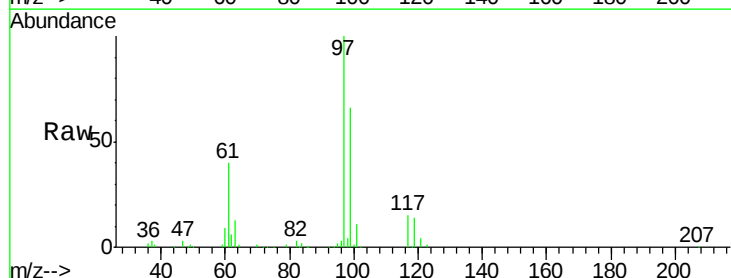
Tgt Ion: 97 Resp: 141664

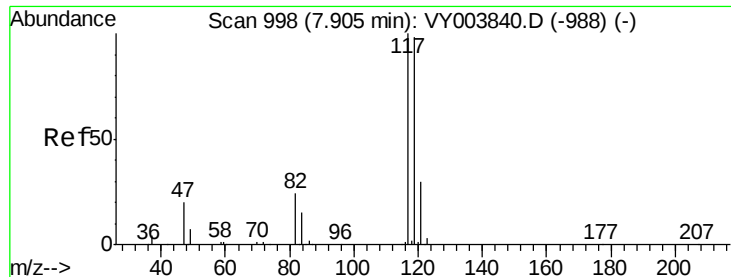
Ion Ratio Lower Upper

97 100

99 64.8 51.8 77.8

61 40.5 32.4 48.6





#32

Carbon tetrachloride

Concen: 26.244 ug/L

RT: 7.90 min Scan# 998

Delta R.T. 0.00 min

Lab File: VY003840.D

Acq: 23 Dec 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

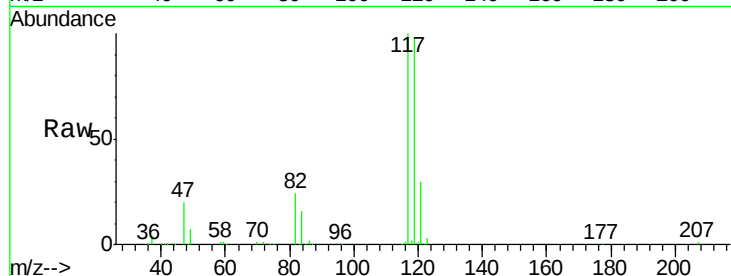
VSTD02581

Tgt Ion:117 Resp: 132971

Ion Ratio Lower Upper

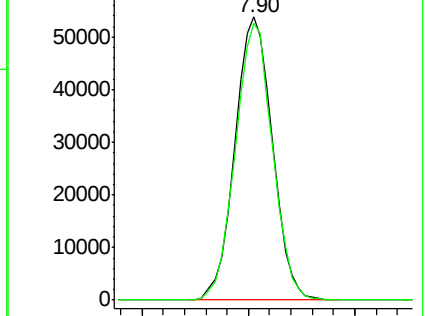
117 100

119 96.9 77.5 116.3

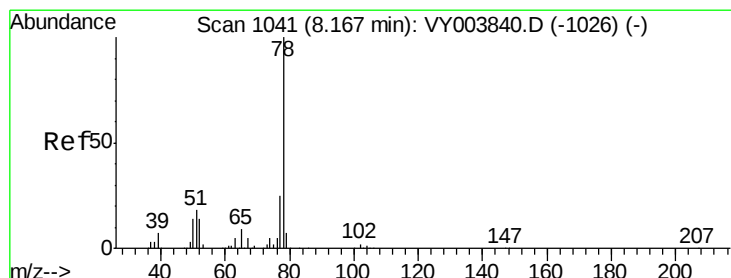
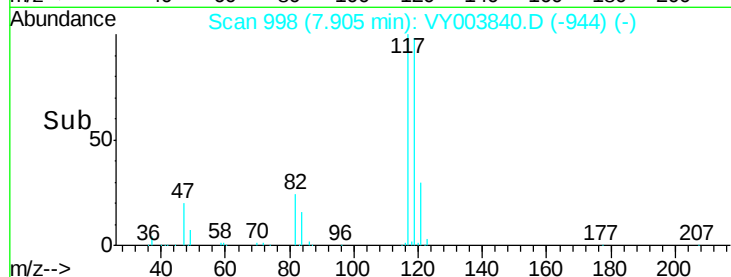


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 24.914 ug/L

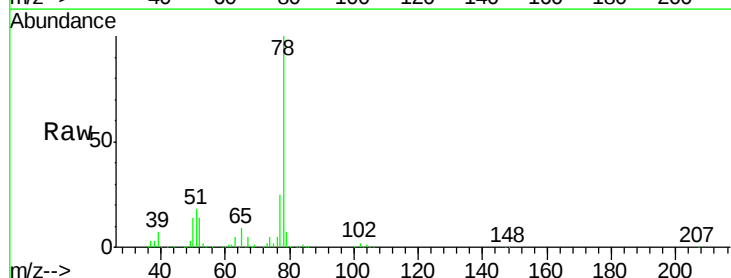
RT: 8.17 min Scan# 1041

Delta R.T. 0.00 min

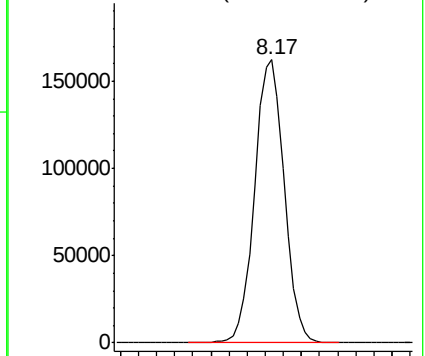
Lab File: VY003840.D

Acq: 23 Dec 2020 16:24

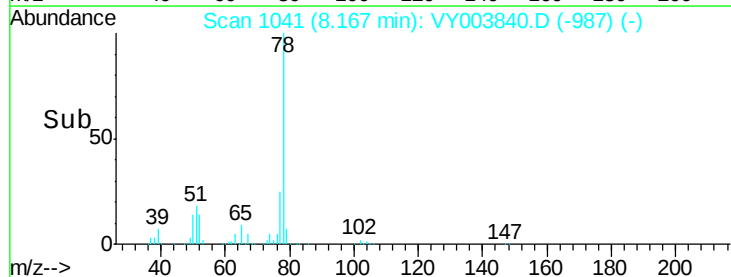
Tgt Ion: 78 Resp: 366518

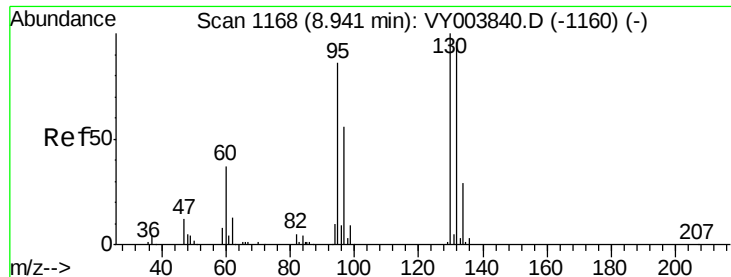


Abundance Ion 78.00 (77.70 to 78.70): VY0



Time-->





#35

Trichloroethene

Concen: 24.711 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. 0.00 min

Lab File: VY003840.D

Acq: 23 Dec 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02581

Tgt Ion: 95 Resp: 97272

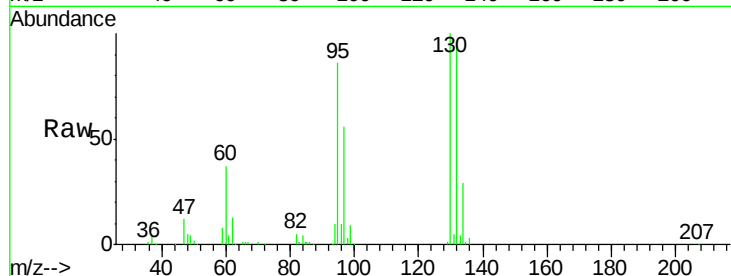
Ion Ratio Lower Upper

95 100

97 64.1 44.9 83.3

132 108.8 76.2 141.4

130 113.9 79.7 148.1

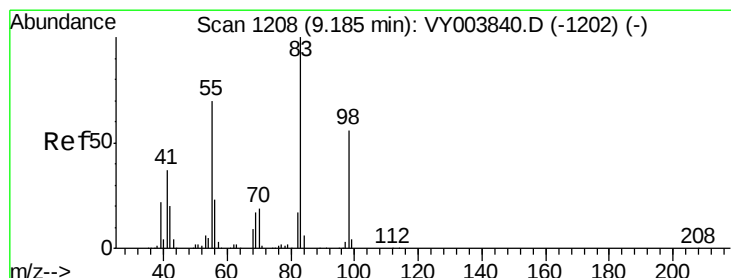
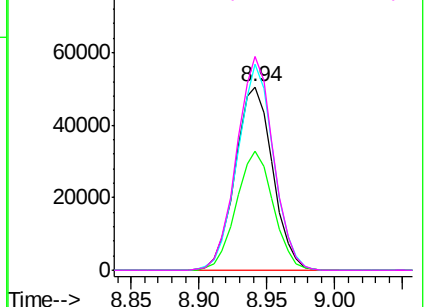
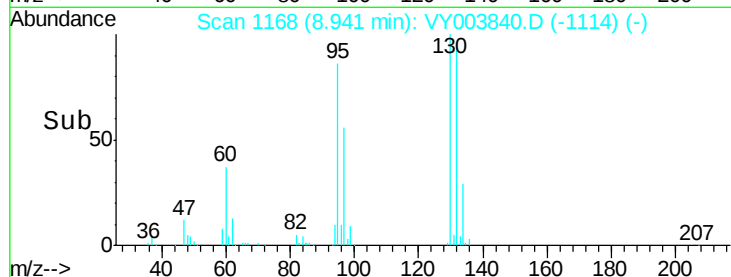


Abundance Ion 95.00 (94.70 to 95.70): VY0

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: 24.532 ug/L

RT: 9.19 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VY003840.D

Acq: 23 Dec 2020 16:24

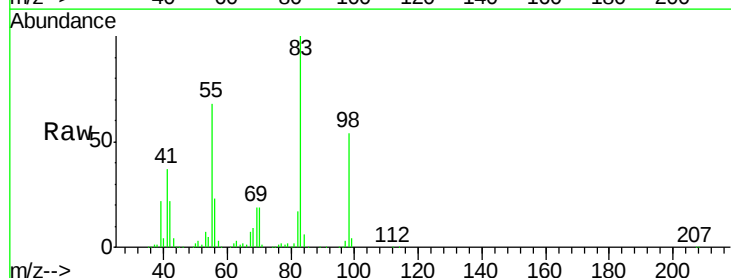
Tgt Ion: 83 Resp: 163488

Ion Ratio Lower Upper

83 100

55 66.9 53.5 80.3

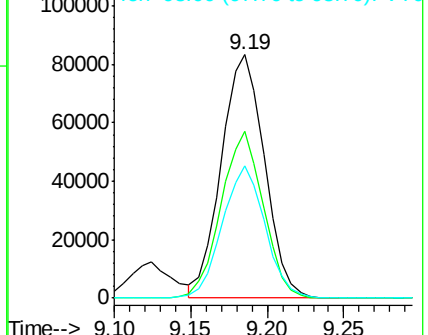
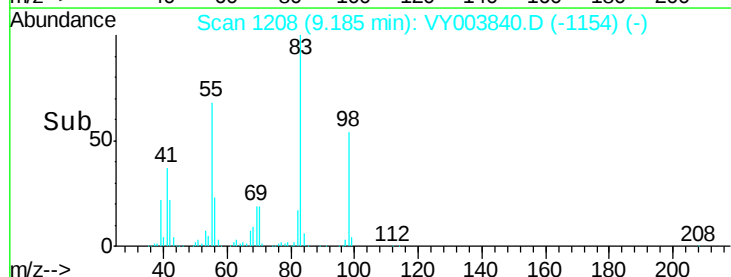
98 53.5 42.8 64.2

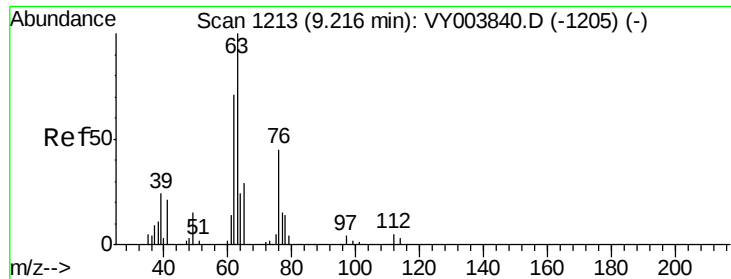


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

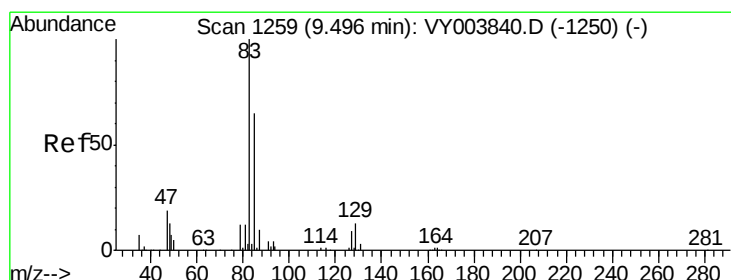
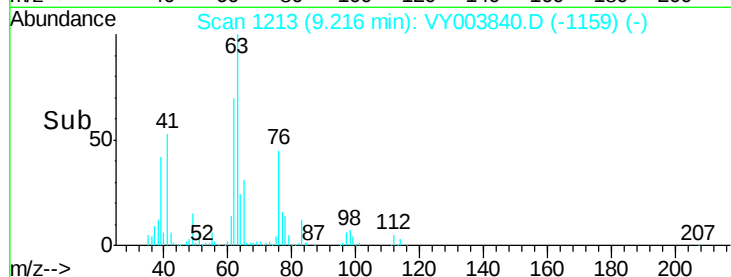
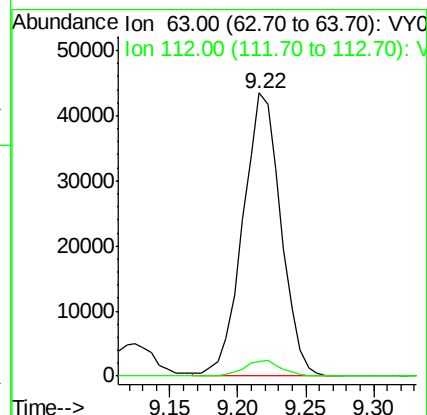
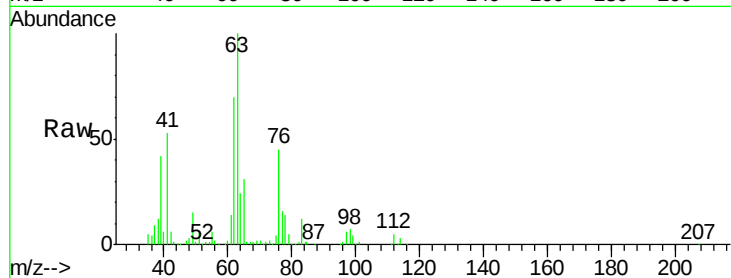




#40
1,2-Dichloropropane
Concen: 22.818 ug/L
RT: 9.22 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VY003840.D
Acq: 23 Dec 2020 16:24

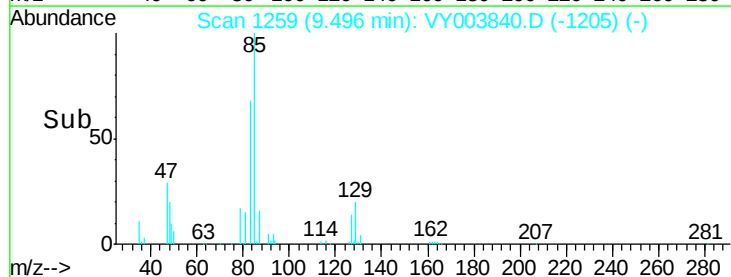
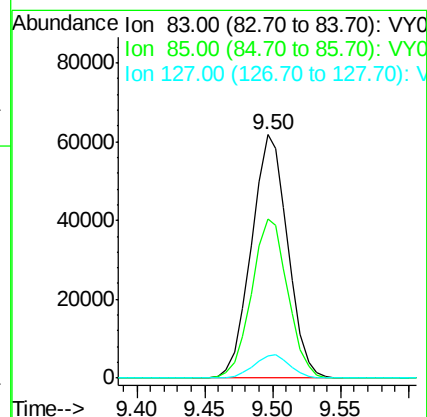
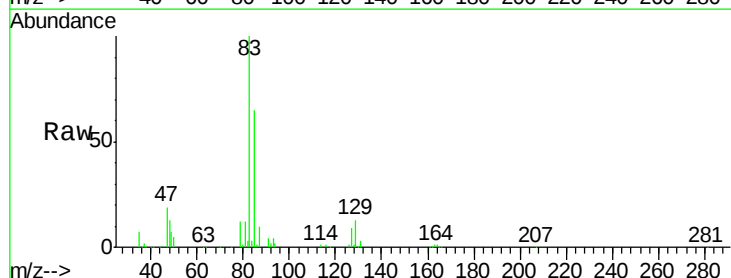
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02581

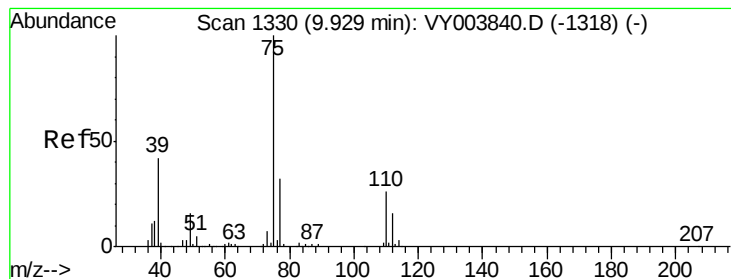
Tgt Ion: 63 Resp: 85240
Ion Ratio Lower Upper
63 100
112 5.3 4.2 6.4



#41
Bromodichloromethane
Concen: 24.277 ug/L
RT: 9.50 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VY003840.D
Acq: 23 Dec 2020 16:24

Tgt Ion: 83 Resp: 115379
Ion Ratio Lower Upper
83 100
85 65.4 45.8 85.0
127 9.3 7.4 11.2



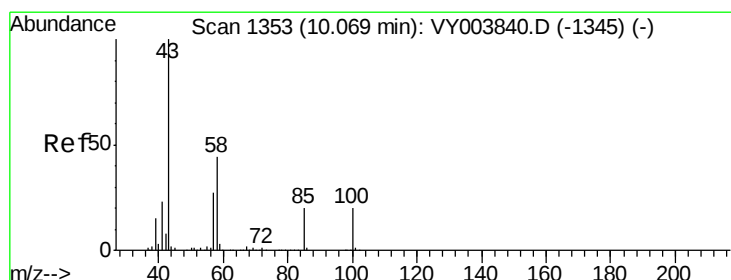
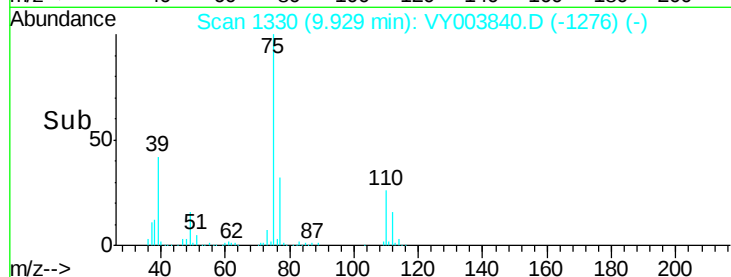
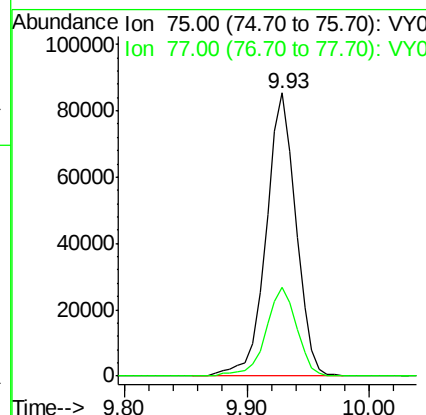
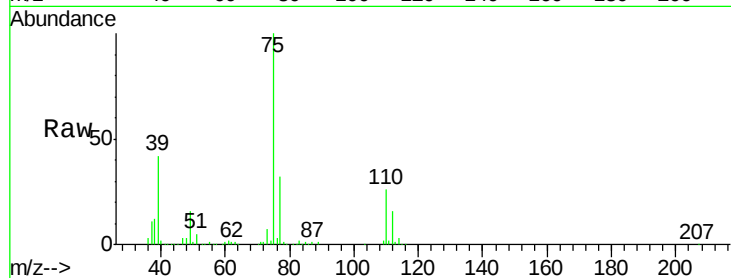


#42

cis-1,3-Dichloropropene
 Concen: 24.172 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VY003840.D
 Acq: 23 Dec 2020 16:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02581

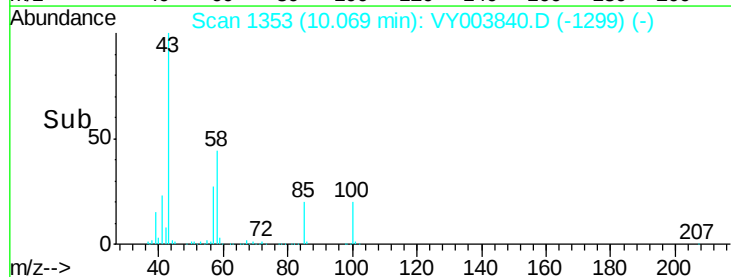
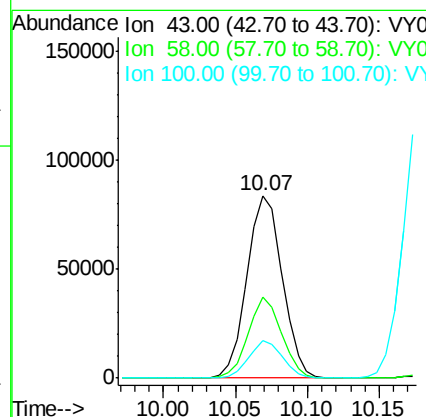
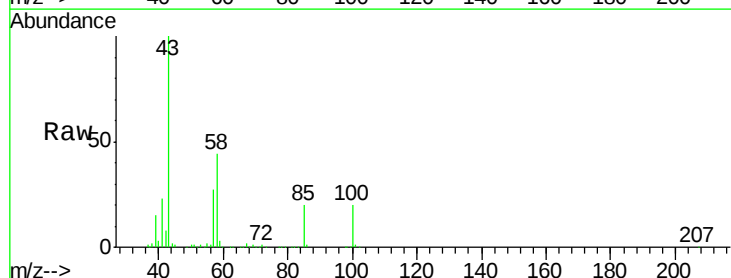
Tgt Ion: 75 Resp: 145056
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1

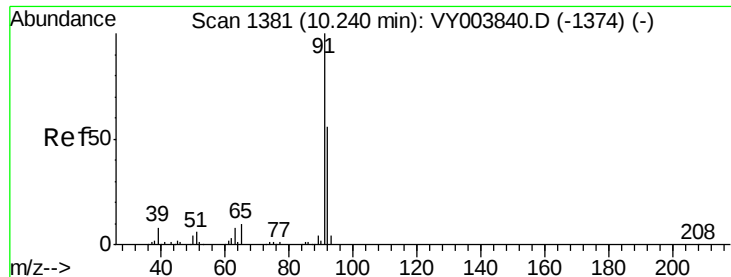


#43

4-Methyl-2-pentanone
 Concen: 40.418 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: VY003840.D
 Acq: 23 Dec 2020 16:24

Tgt Ion: 43 Resp: 141843
 Ion Ratio Lower Upper
 43 100
 58 42.0 33.6 50.4
 100 19.5 15.6 23.4





#44

Toluene

Concen: 26.064 ug/L

RT: 10.24 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VY003840.D

Acq: 23 Dec 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

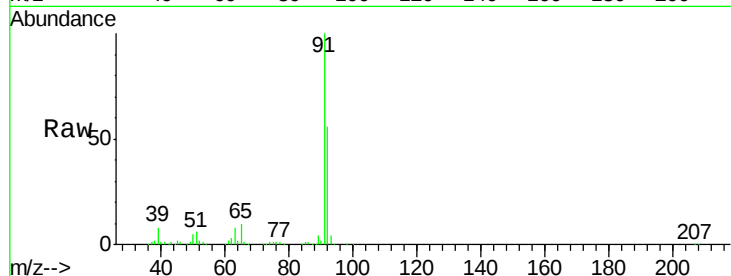
VSTD02581

Tgt Ion: 91 Resp: 411042

Ion Ratio Lower Upper

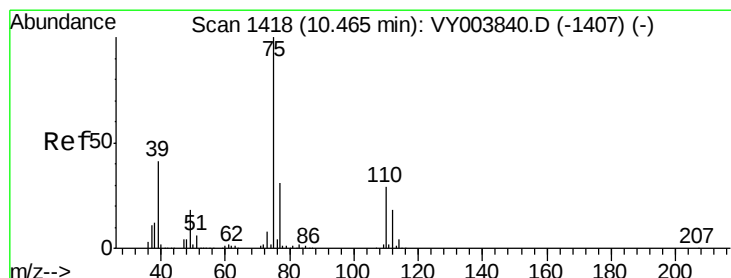
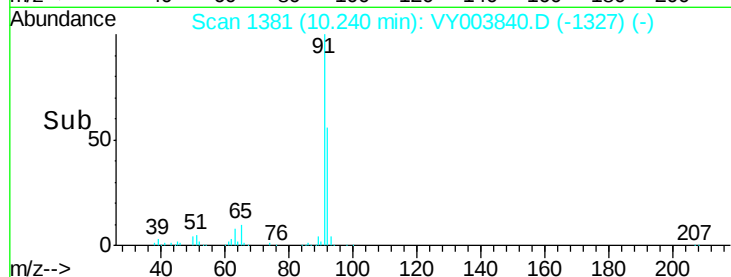
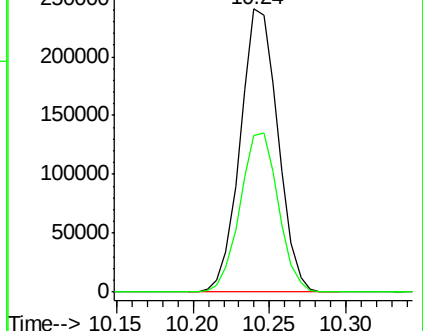
91 100

92 55.5 38.9 72.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0



#45

trans-1,3-Dichloropropene

Concen: 24.449 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003840.D

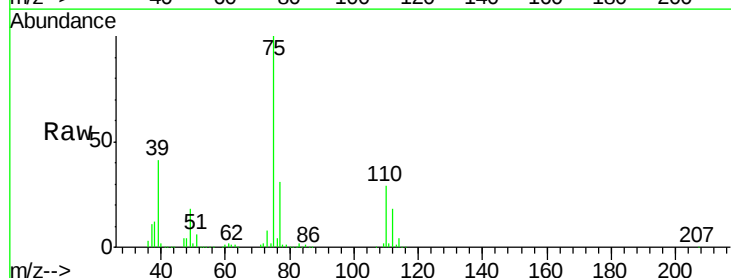
Acq: 23 Dec 2020 16:24

Tgt Ion: 75 Resp: 134070

Ion Ratio Lower Upper

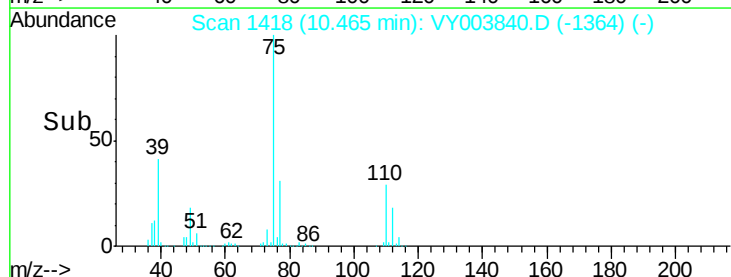
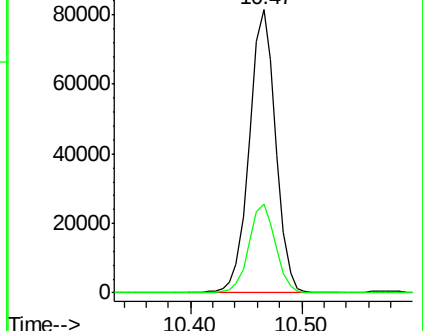
75 100

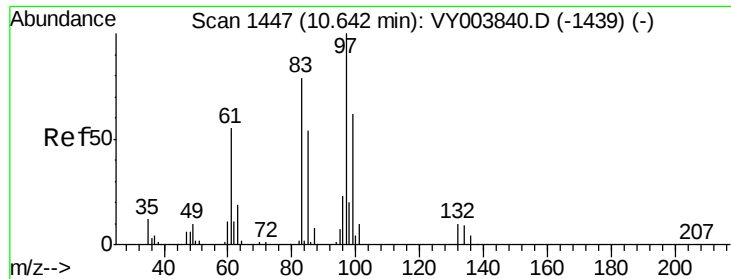
77 31.3 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

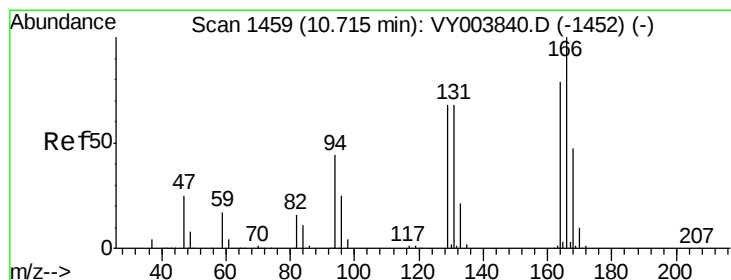
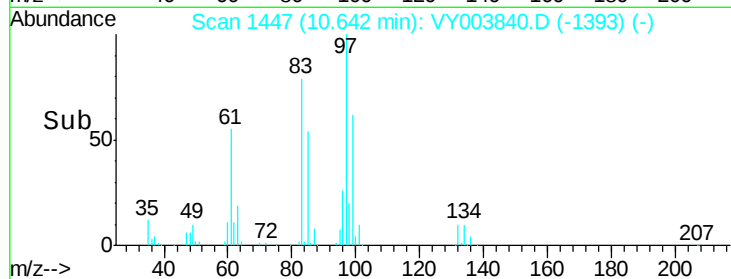
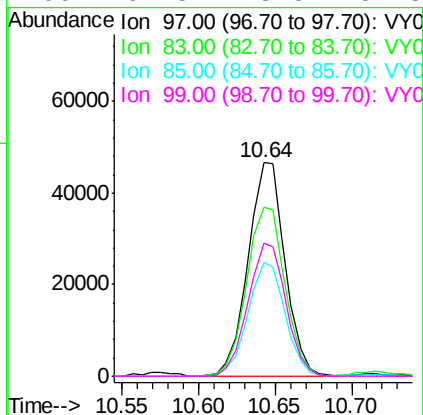
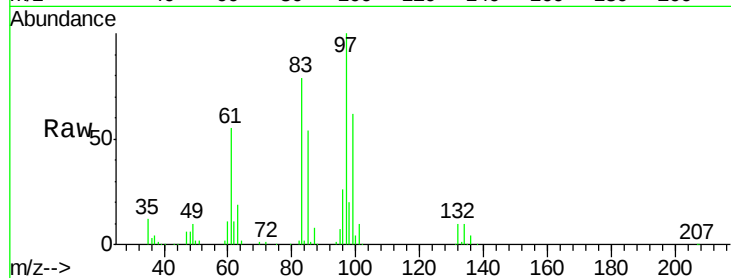




#46
 1,1,2-Trichloroethane
 Concen: 25.361 ug/L
 RT: 10.64 min Scan# 1447
 Delta R.T. 0.00 min
 Lab File: VY003840.D
 Acq: 23 Dec 2020 16:24

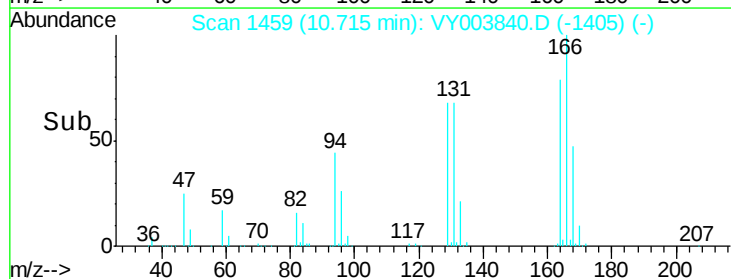
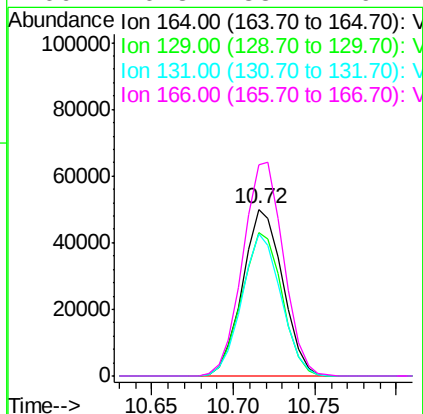
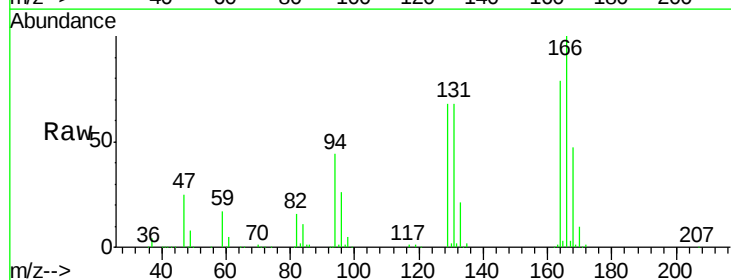
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02581

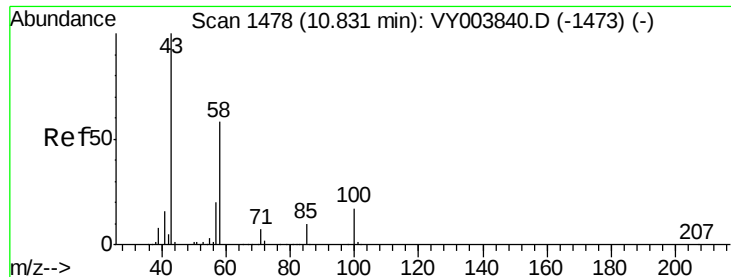
Tgt Ion:	97	Resp:	78310
Ion	Ratio	Lower	Upper
97	100		
83	79.3	55.5	103.1
85	53.6	37.5	69.7
99	62.5	43.8	81.3



#47
 Tetrachloroethene
 Concen: 26.760 ug/L
 RT: 10.72 min Scan# 1459
 Delta R.T. 0.00 min
 Lab File: VY003840.D
 Acq: 23 Dec 2020 16:24

Tgt Ion:	164	Resp:	85929
Ion	Ratio	Lower	Upper
164	100		
129	86.1	60.3	111.9
131	85.3	59.7	110.9
166	126.3	88.4	164.2

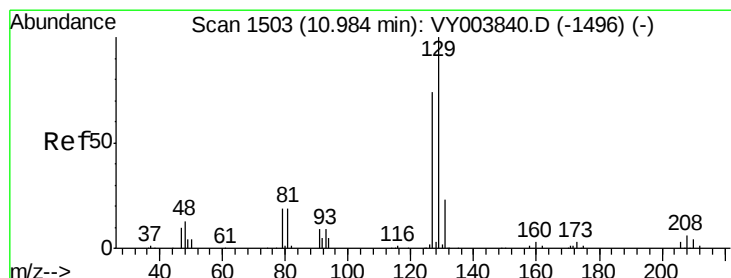
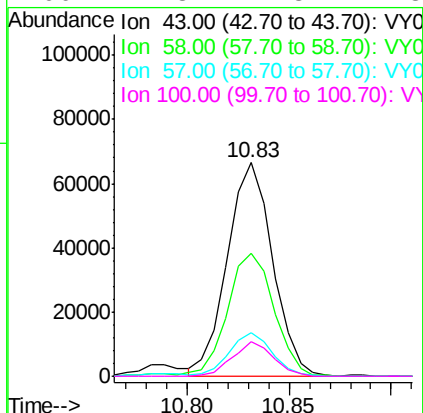
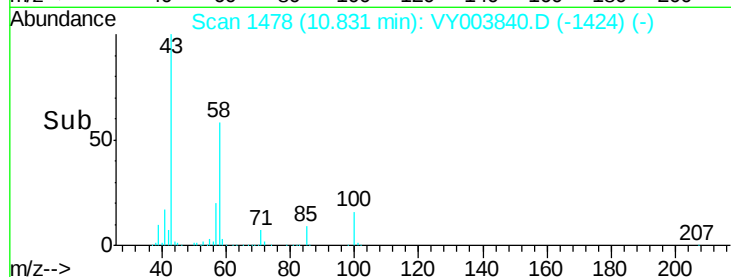
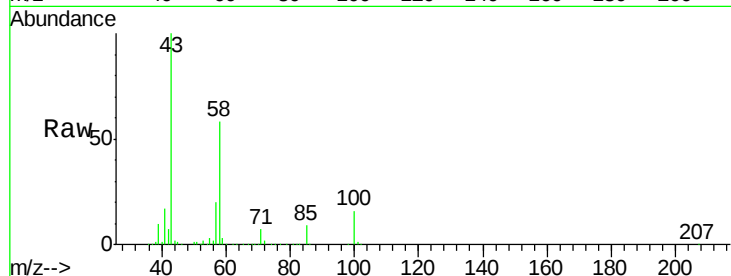




#49
2-Hexanone
Concen: 42.716 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003840.D
Acq: 23 Dec 2020 16:24

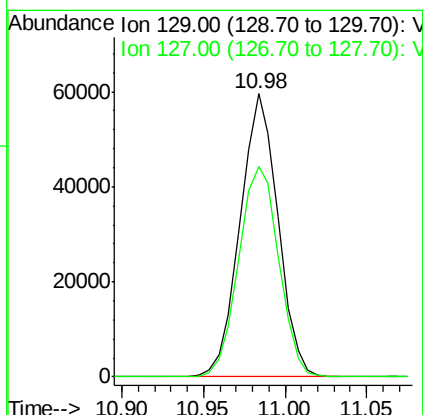
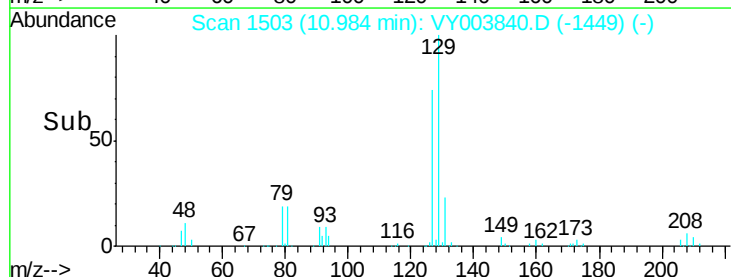
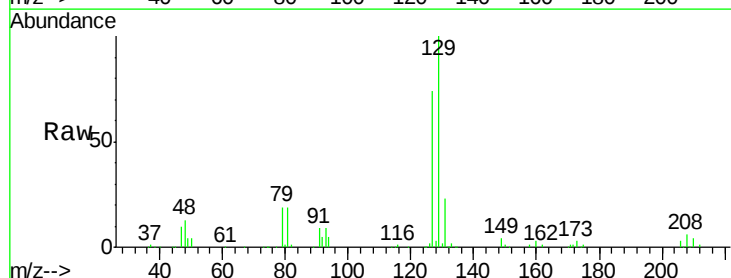
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02581

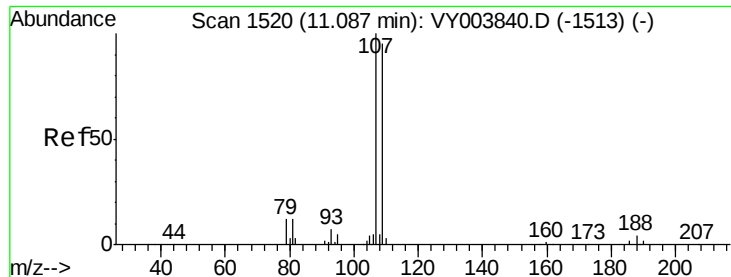
Tgt Ion:	43	Resp:	102689
Ion	Ratio	Lower	Upper
43	100		
58	58.9	47.1	70.7
57	19.4	15.5	23.3
100	14.8	11.8	17.8



#50
Dibromochloromethane
Concen: 26.369 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. 0.00 min
Lab File: VY003840.D
Acq: 23 Dec 2020 16:24

Tgt Ion:	129	Resp:	96309
Ion	Ratio	Lower	Upper
129	100		
127	74.3	52.0	96.6

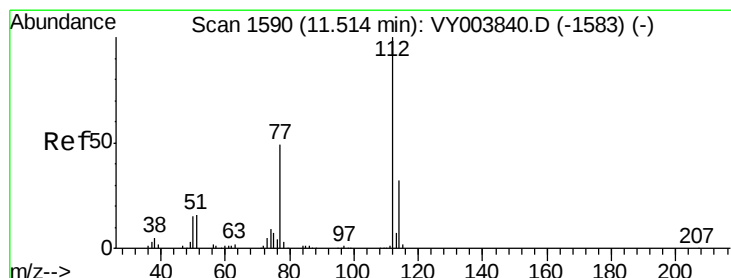
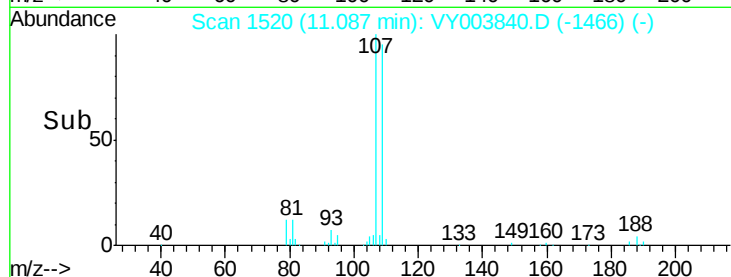
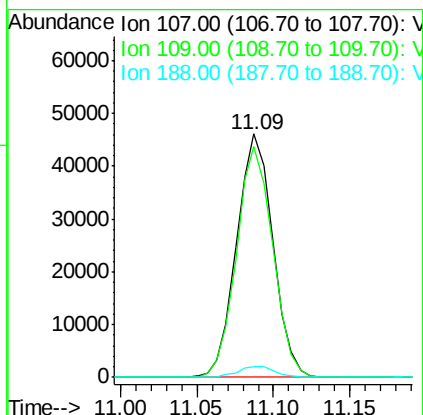
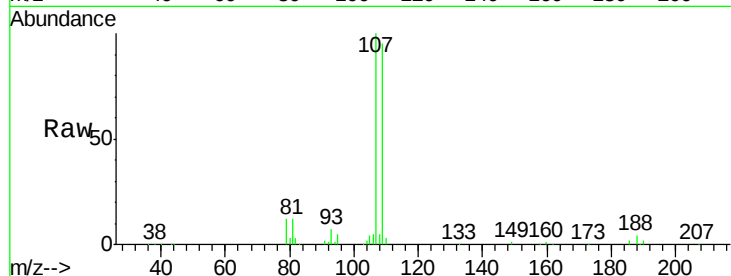




#51
 1,2-Dibromoethane
 Concen: 24.952 ug/L
 RT: 11.09 min Scan# 1520
 Delta R.T. 0.00 min
 Lab File: VY003840.D
 Acq: 23 Dec 2020 16:24

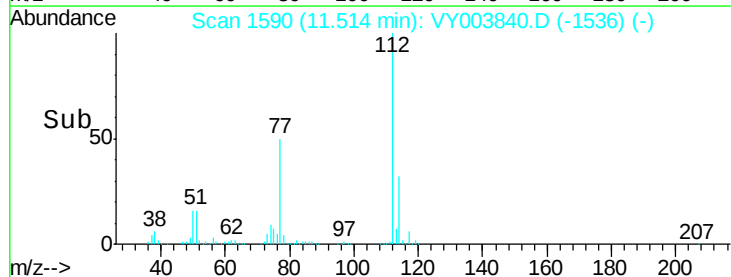
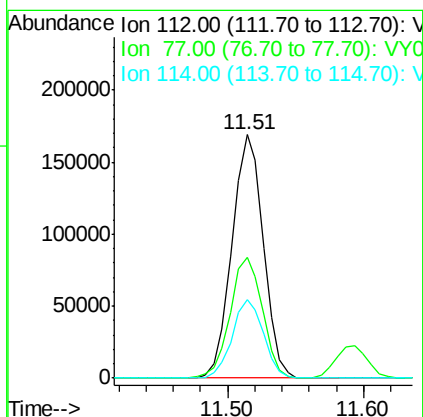
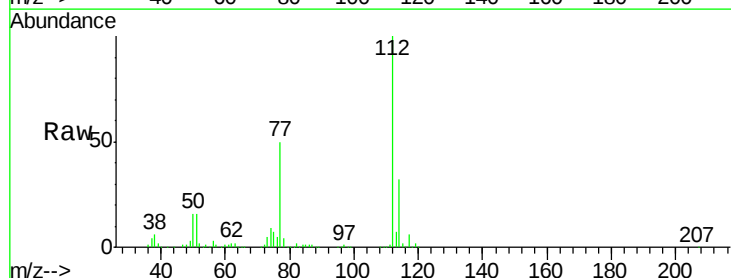
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02581

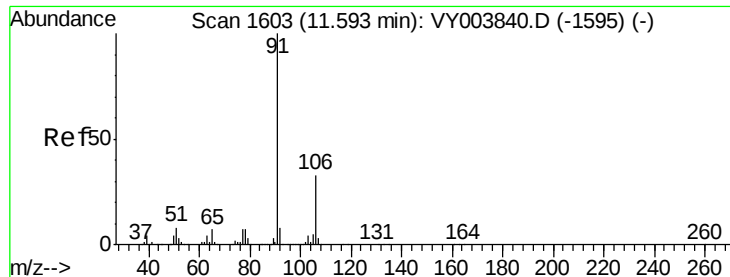
Tgt Ion:107 Resp: 75855
 Ion Ratio Lower Upper
 107 100
 109 94.8 66.4 123.2
 188 4.3 3.4 5.2



#52
 Chlorobenzene
 Concen: 26.585 ug/L
 RT: 11.51 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: VY003840.D
 Acq: 23 Dec 2020 16:24

Tgt Ion:112 Resp: 270358
 Ion Ratio Lower Upper
 112 100
 77 49.6 39.7 59.5
 114 32.1 22.5 41.7





#53

Ethylbenzene

Concen: 25.787 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003840.D

Acq: 23 Dec 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

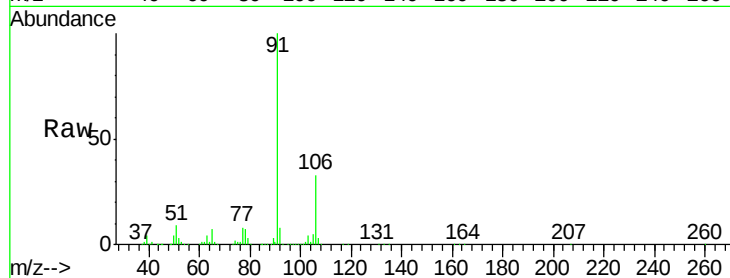
VSTD02581

Tgt Ion: 91 Resp: 443357

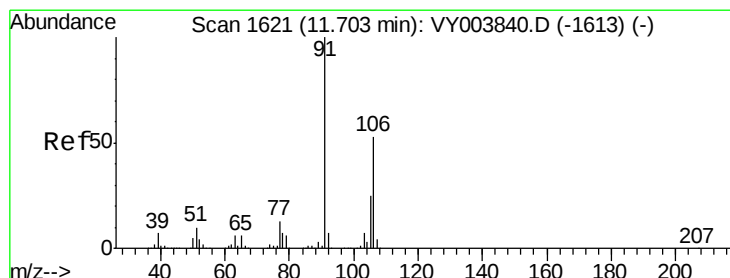
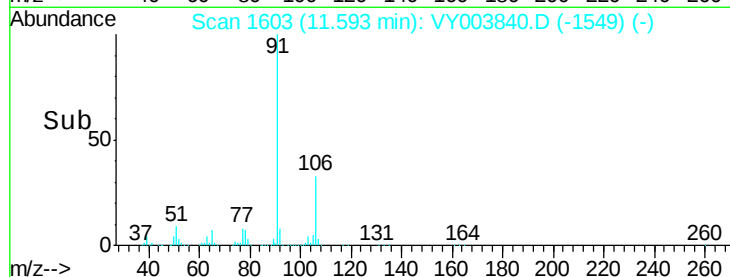
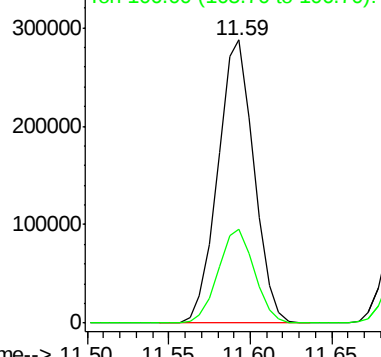
Ion Ratio Lower Upper

91 100

106 33.1 23.2 43.0



Abundance Ion 91.00 (90.70 to 91.70): VY003840.D (-1595) (-)



#54

m,p-Xylene

Concen: 26.695 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VY003840.D

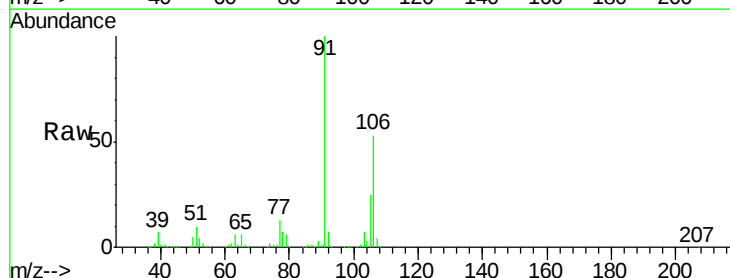
Acq: 23 Dec 2020 16:24

Tgt Ion: 106 Resp: 178383

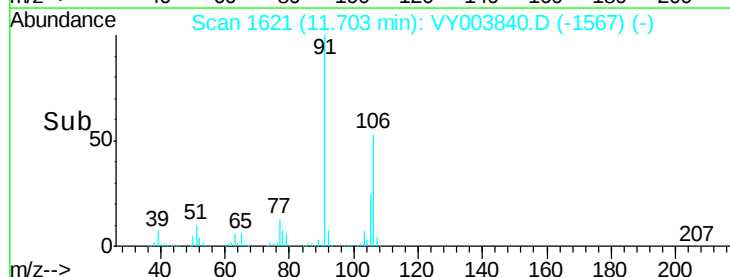
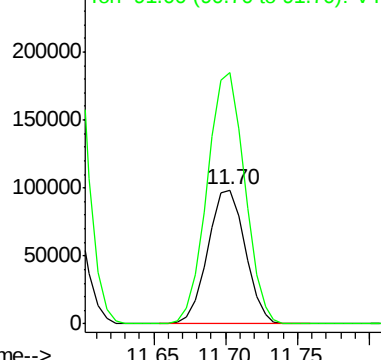
Ion Ratio Lower Upper

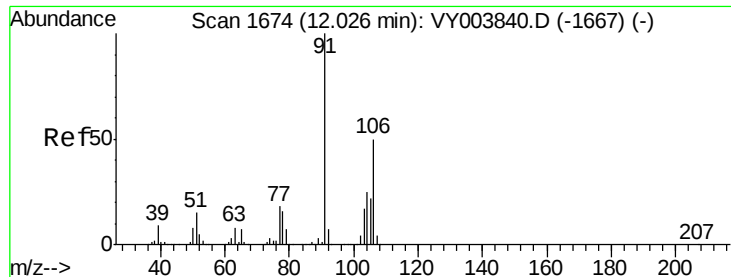
106 100

91 187.6 131.3 243.9



Abundance Ion 106.00 (105.70 to 106.70): VY003840.D (-1613) (-)





#55

o-xylene

Concen: 26.958 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VY003840.D

Acq: 23 Dec 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

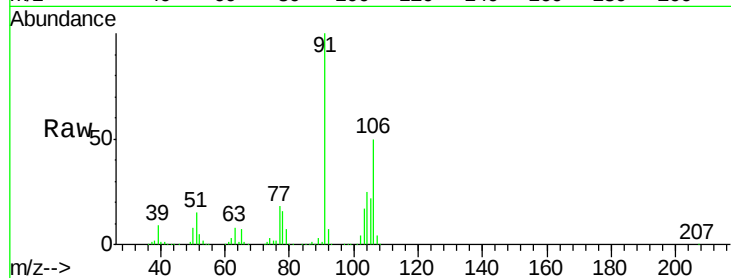
VSTD02581

Tgt Ion:106 Resp: 168953

Ion Ratio Lower Upper

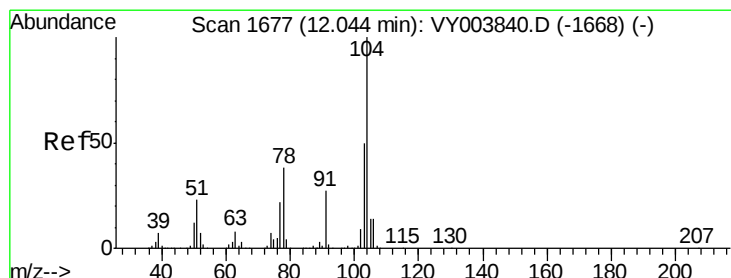
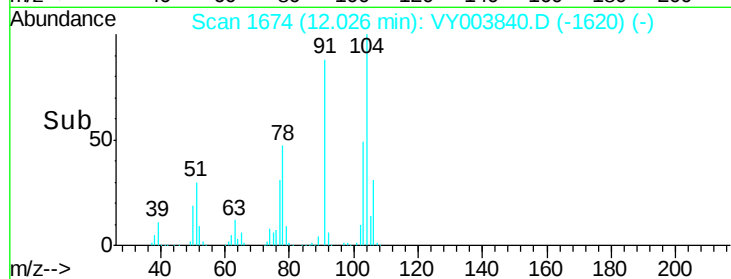
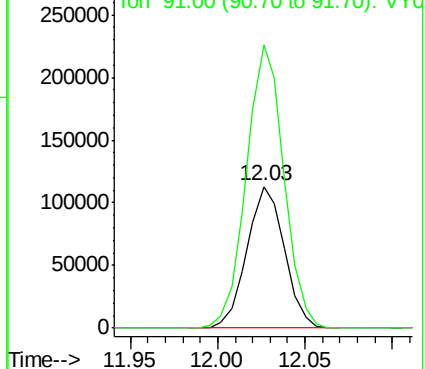
106 100

91 200.3 140.2 260.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 27.428 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VY003840.D

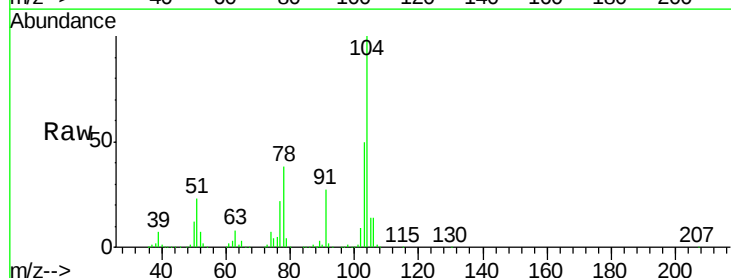
Acq: 23 Dec 2020 16:24

Tgt Ion:104 Resp: 294421

Ion Ratio Lower Upper

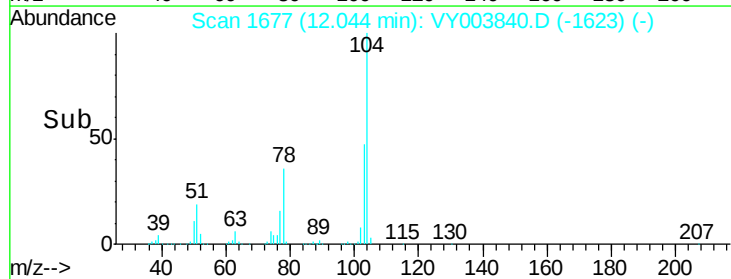
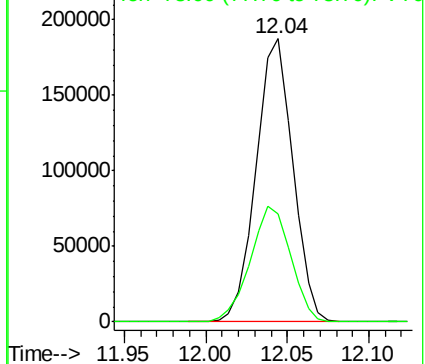
104 100

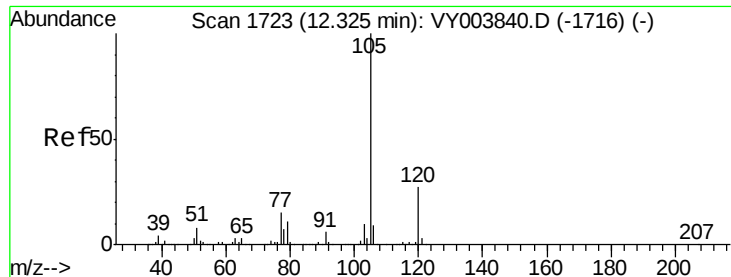
78 38.1 26.7 49.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 26.704 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. 0.00 min

Lab File: VY003840.D

Acq: 23 Dec 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02581

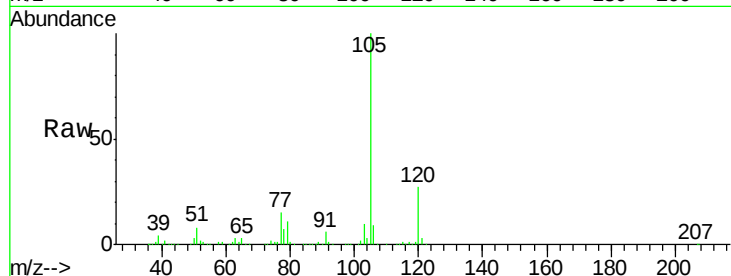
Tgt Ion: 105 Resp: 446779

Ion Ratio Lower Upper

105 100

120 28.3 22.6 34.0

77 14.6 11.7 17.5

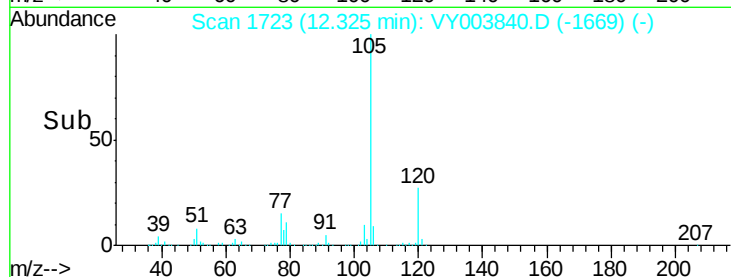


Abundance Ion 105.00 (104.70 to 105.70): VY003840.D (-1716) (-)

Ion 120.00 (119.70 to 120.70): VY003840.D (-1716) (-)

Ion 77.00 (76.70 to 77.70): VY003840.D (-1716) (-)

Time-->



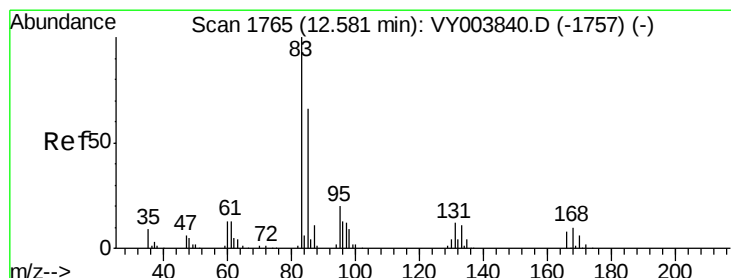
Abundance

Ion 105.00 (104.70 to 105.70): VY003840.D (-1716) (-)

Ion 120.00 (119.70 to 120.70): VY003840.D (-1716) (-)

Ion 77.00 (76.70 to 77.70): VY003840.D (-1716) (-)

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 22.783 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VY003840.D

Acq: 23 Dec 2020 16:24

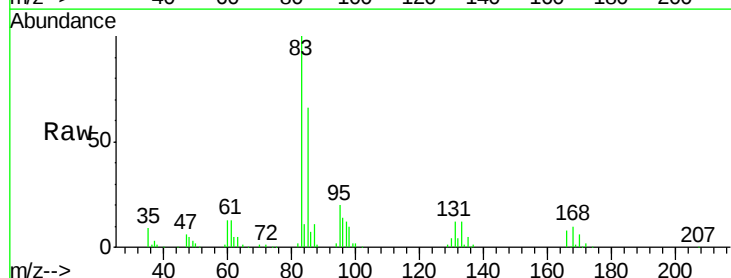
Tgt Ion: 83 Resp: 79764

Ion Ratio Lower Upper

83 100

85 65.8 46.1 85.5

131 11.7 9.4 14.0

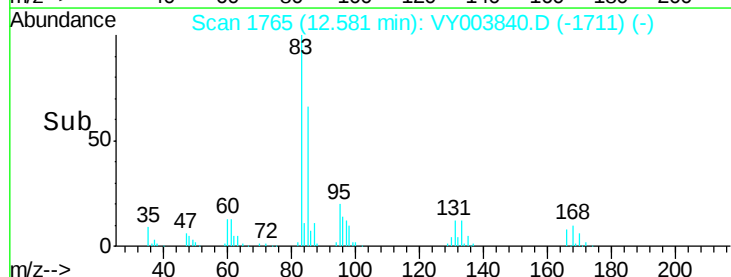


Abundance Ion 83.00 (82.70 to 83.70): VY003840.D (-1757) (-)

Ion 85.00 (84.70 to 85.70): VY003840.D (-1757) (-)

Ion 131.00 (130.70 to 131.70): VY003840.D (-1757) (-)

Time-->



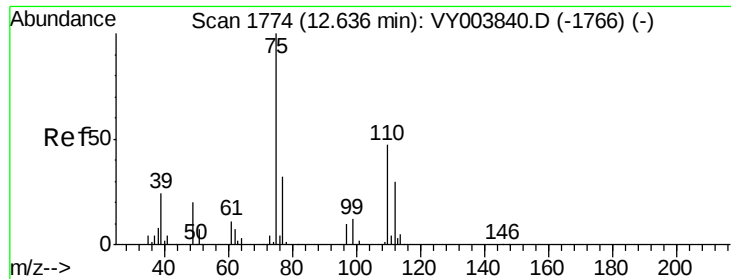
Abundance

Ion 83.00 (82.70 to 83.70): VY003840.D (-1757) (-)

Ion 85.00 (84.70 to 85.70): VY003840.D (-1757) (-)

Ion 131.00 (130.70 to 131.70): VY003840.D (-1757) (-)

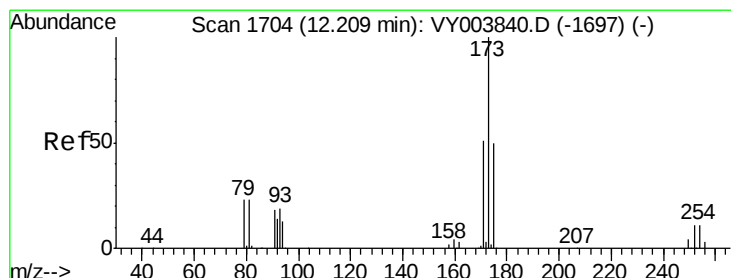
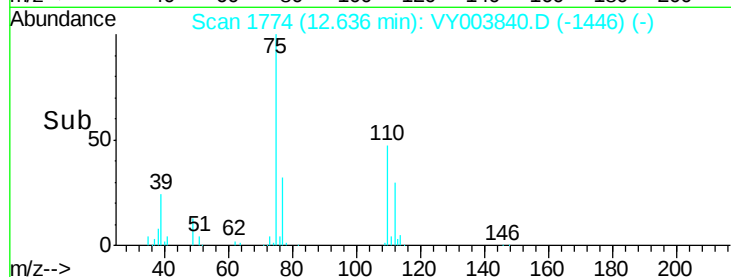
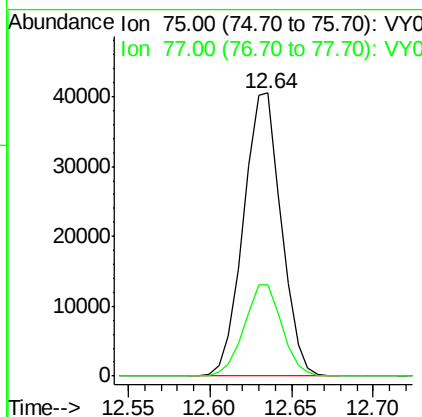
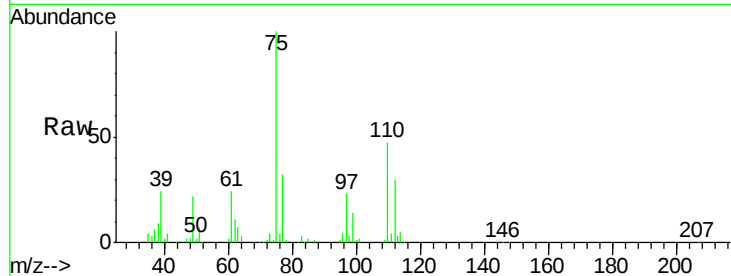
Time-->



#59
 1,2,3-Trichloropropane
 Concen: 22.237 ug/L
 RT: 12.64 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VY003840.D
 Acq: 23 Dec 2020 16:24

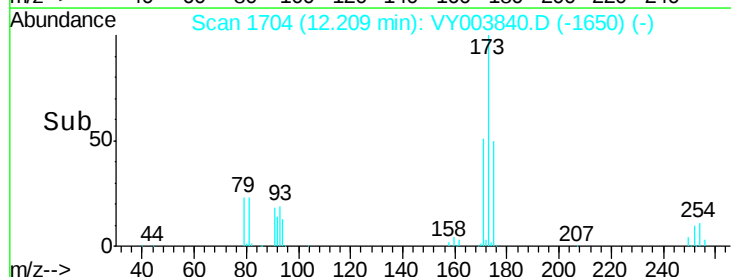
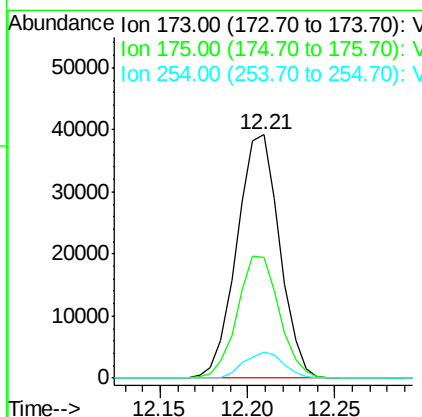
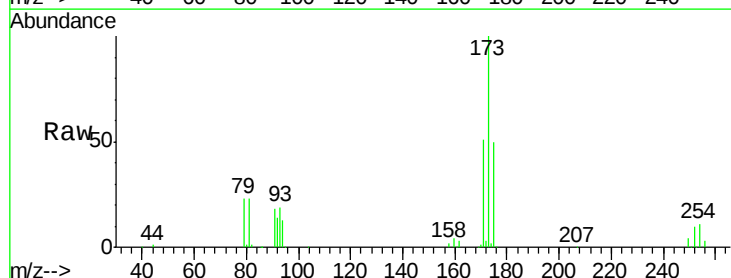
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02581

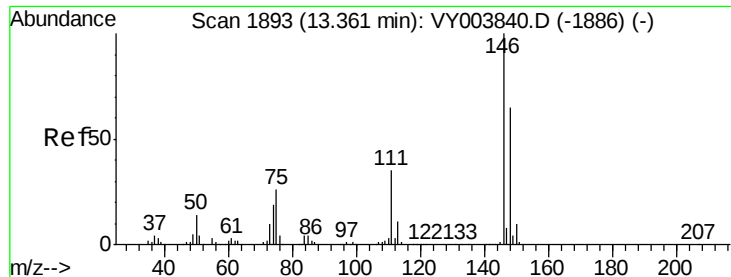
Tgt Ion: 75 Resp: 65492
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.8



#62
 Bromoform
 Concen: 25.821 ug/L
 RT: 12.21 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VY003840.D
 Acq: 23 Dec 2020 16:24

Tgt Ion: 173 Resp: 66613
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.4 59.0
 254 10.1 8.1 12.1

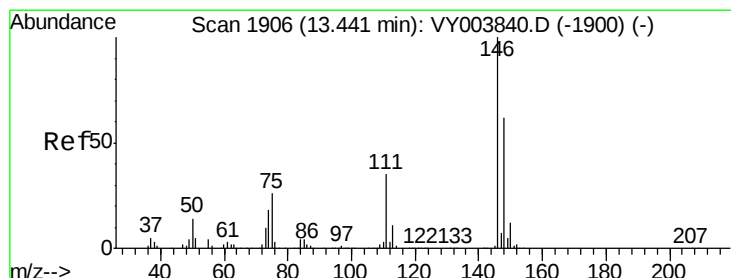
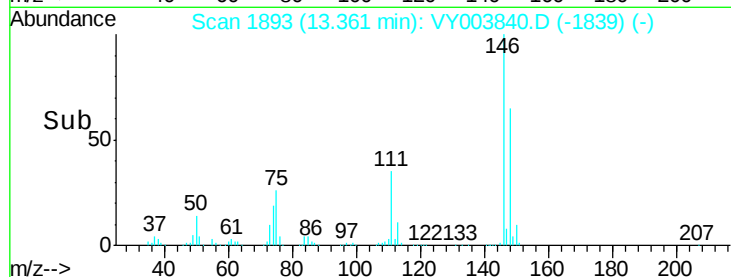
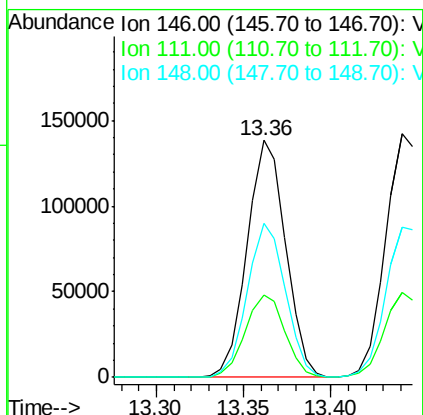
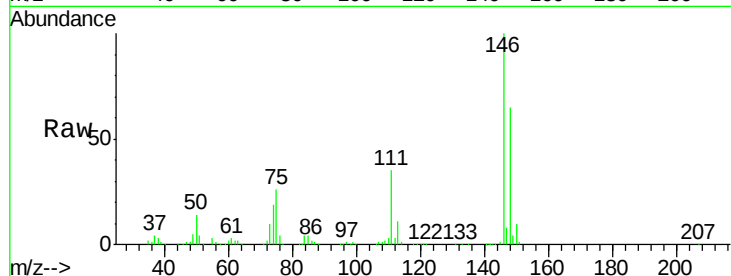




#63
 1,3-Dichlorobenzene
 Concen: 26.132 ug/L
 RT: 13.36 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VY003840.D
 Acq: 23 Dec 2020 16:24

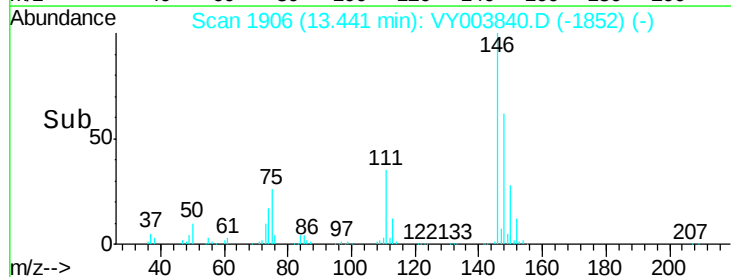
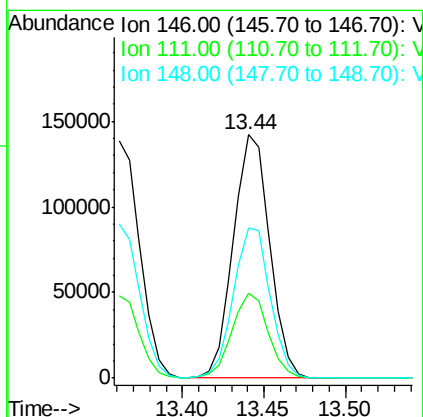
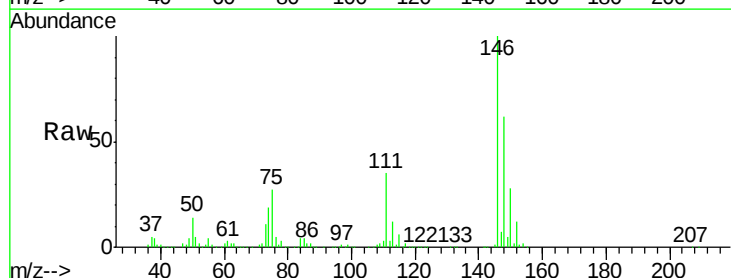
Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD02581

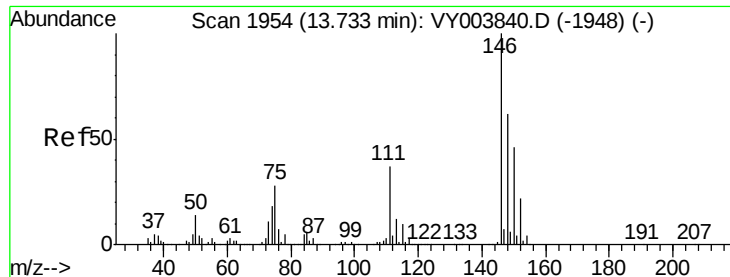
Tgt Ion:146 Resp: 212602
 Ion Ratio Lower Upper
 146 100
 111 34.8 24.4 45.2
 148 64.9 45.4 84.4



#64
 1,4-Dichlorobenzene
 Concen: 26.558 ug/L
 RT: 13.44 min Scan# 1906
 Delta R.T. 0.00 min
 Lab File: VY003840.D
 Acq: 23 Dec 2020 16:24

Tgt Ion:146 Resp: 221364
 Ion Ratio Lower Upper
 146 100
 111 35.1 24.6 45.6
 148 61.8 43.3 80.3

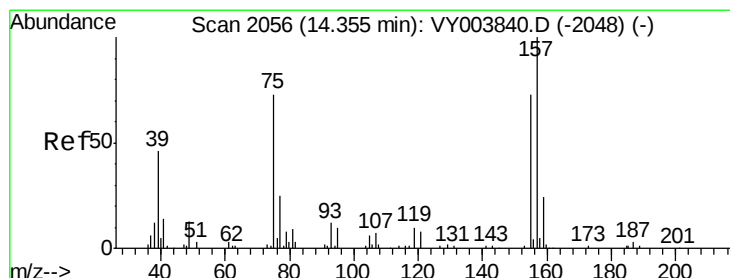
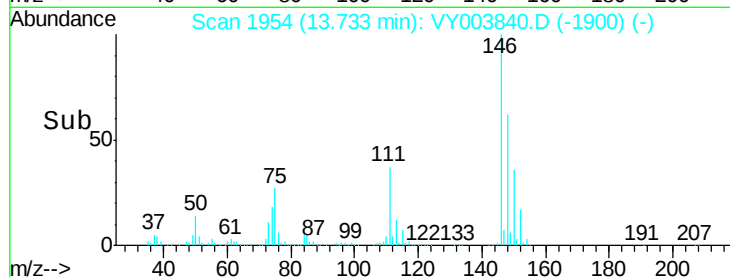
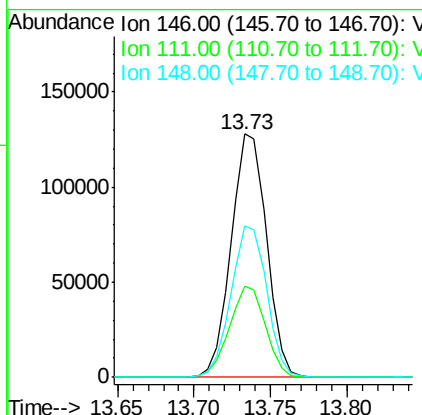
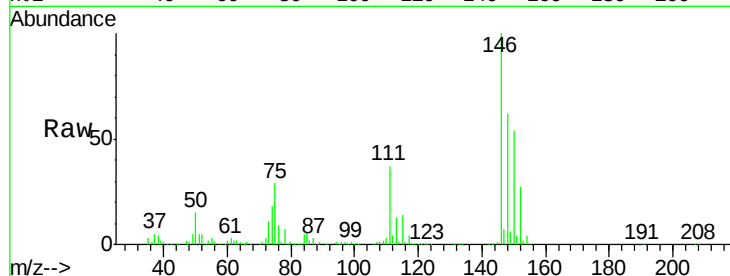




#65
 1,2-Dichlorobenzene
 Concen: 27.115 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VY003840.D
 Acq: 23 Dec 2020 16:24

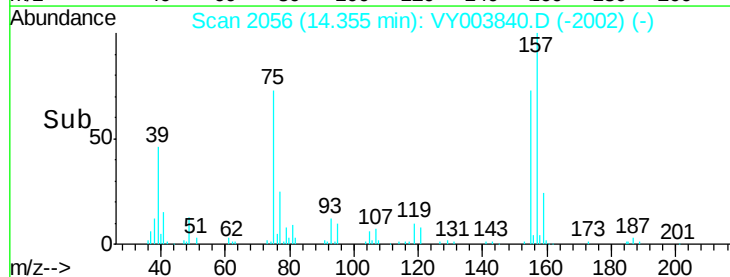
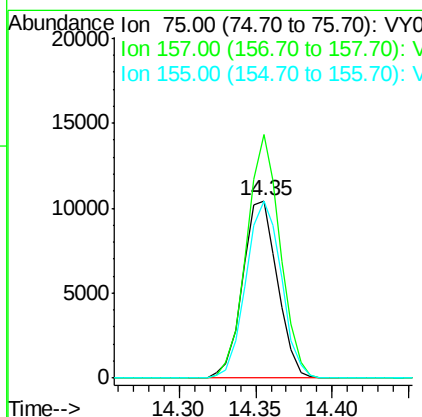
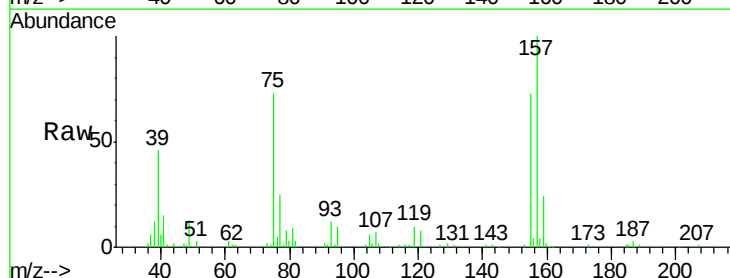
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02581

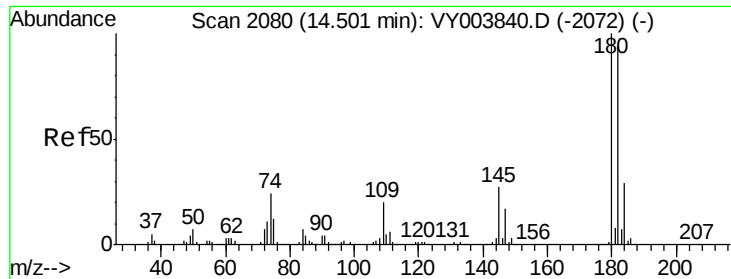
Tgt Ion: 146 Resp: 205329
 Ion Ratio Lower Upper
 146 100
 111 37.3 29.8 44.8
 148 62.3 49.8 74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.869 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: VY003840.D
 Acq: 23 Dec 2020 16:24

Tgt Ion: 75 Resp: 16486
 Ion Ratio Lower Upper
 75 100
 157 137.1 109.7 164.5
 155 100.0 80.0 120.0

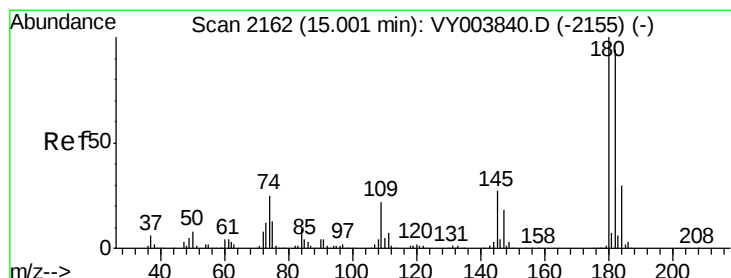
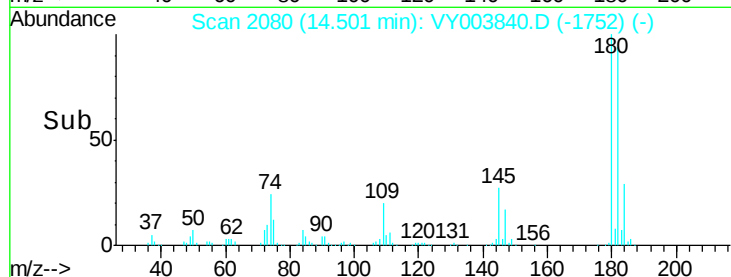
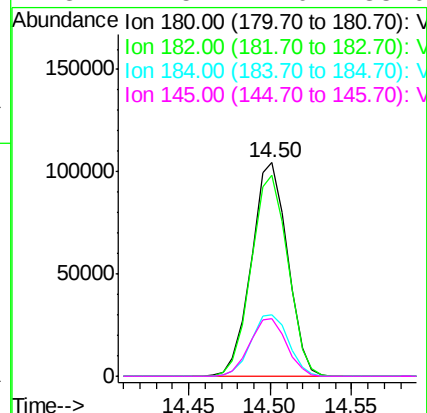
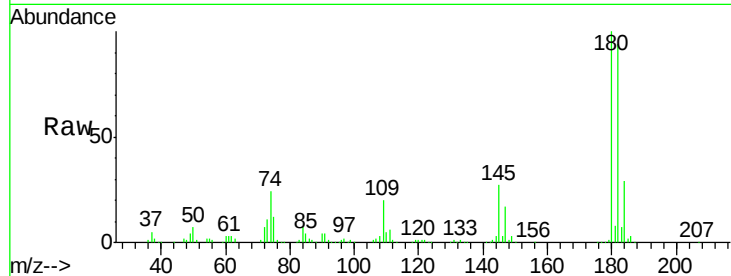




#67
 1,3,5-Trichlorobenzene
 Concen: 28.103 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003840.D
 Acq: 23 Dec 2020 16:24

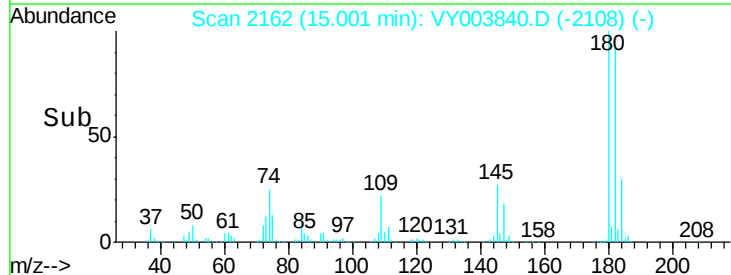
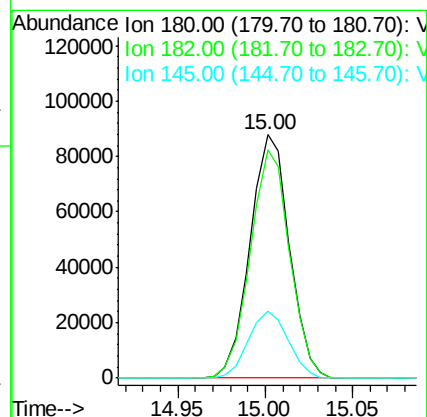
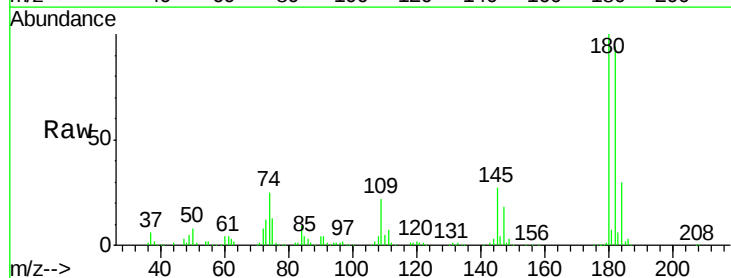
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02581

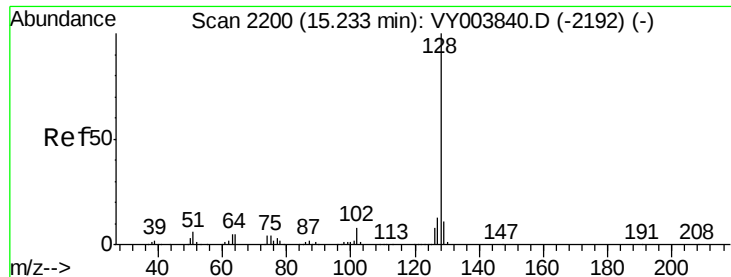
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
184	30.1	24.1	36.1
145	27.5	22.0	33.0



#68
 1,2,4-trichlorobenzene
 Concen: 27.954 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. 0.00 min
 Lab File: VY003840.D
 Acq: 23 Dec 2020 16:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.2	112.8
145	27.7	22.2	33.2





#69

Naphthalene

Concen: 27.218 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VY003840.D

Acq: 23 Dec 2020 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02581

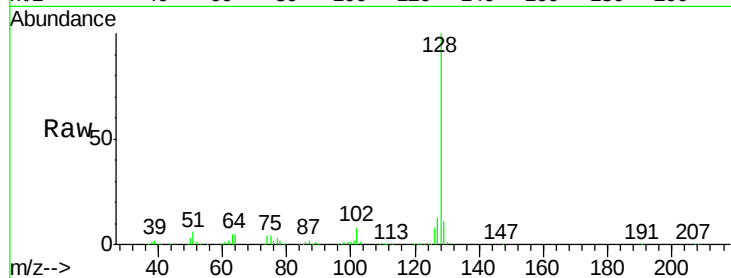
Tgt Ion:128 Resp: 299652

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

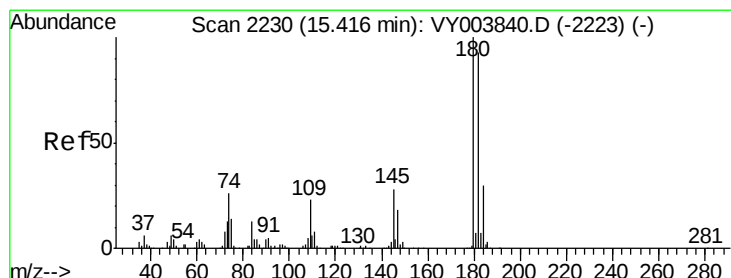
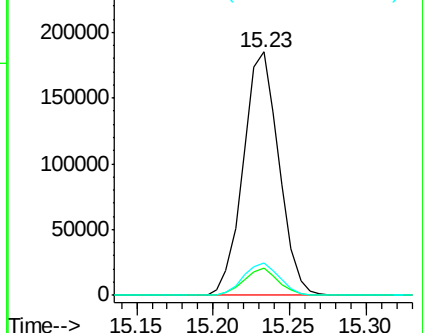
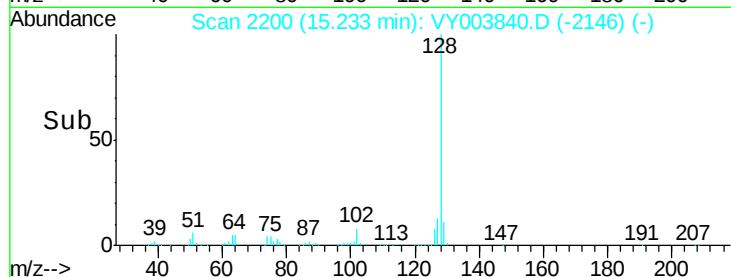
127 13.4 10.7 16.1



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: 27.446 ug/L

RT: 15.42 min Scan# 2230

Delta R.T. 0.00 min

Lab File: VY003840.D

Acq: 23 Dec 2020 16:24

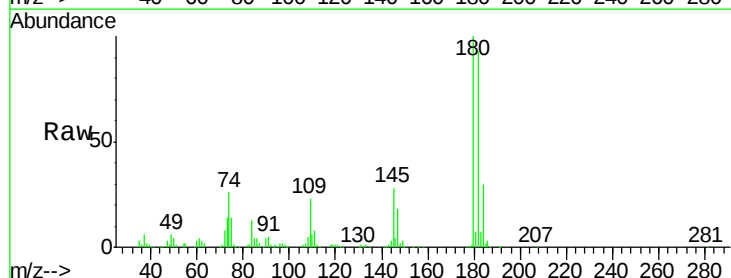
Tgt Ion:180 Resp: 122340

Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

145 30.2 24.2 36.2



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

