

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122320\
 Data File : VY003839.D
 Acq On : 23 Dec 2020 16:01
 Operator : SY/MD
 Sample : VSTD00580
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00580

Quant Time: Dec 23 16:54:33 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	180735	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	228314	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	126103	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	19324	7.72	ug/L	0.00
7) Chloroethane-d5	2.77	69	12253	6.68	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	20529	4.05	ug/L	0.00
20) 2-Butanone-d5	6.89	46	3373	3.30	ug/L	0.00
24) Chloroform-d	7.49	84	21445	4.71	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	13897	5.25	ug/L	0.00
29) Benzene-d6	8.11	84	41916	3.17	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.12	67	15215	3.78	ug/L	0.00
37) Toluene-d8	10.18	98	62543	5.17	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.43	79	9524	4.78	ug/L	0.00
39) 2-Hexanone-d5	10.78	63	9601	8.86	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	17980	5.12	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	24923	5.39	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	21146	6.737 ug/L	99
3) Chloromethane	2.12	50	20099	7.009 ug/L	100
5) Vinyl chloride	2.25	62	21604	7.422 ug/L	96
6) Bromomethane	2.65	94	11637	6.687 ug/L	98
8) Chloroethane	2.80	64	10182	6.109 ug/L	85
9) Trichlorofluoromethane	3.13	101	24460	5.618 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	5536	2.108 ug/L #	69
12) 1,1-Dichloroethene	3.88	96	10190	4.056 ug/L	88
13) Acetone	3.95	43	4641	6.528 ug/L	92
14) Carbon disulfide	4.20	76	29833	3.417 ug/L #	95
15) Methyl Acetate	4.48	43	4696	2.580 ug/L #	97
16) Methylene chloride	4.72	84	6697	2.059 ug/L	87
17) Methyl tert-butyl Ether	5.23	73	27912	4.023 ug/L #	85
18) trans-1,2-Dichloroethene	5.23	96	10868	3.989 ug/L	93
19) 1,1-Dichloroethane	6.03	63	15553	3.393 ug/L	95
21) 2-Butanone	7.00	43	6341	5.190 ug/L	89
22) cis-1,2-Dichloroethene	7.00	96	11944	4.129 ug/L	97
23) Bromochloromethane	7.34	128	6881	5.028 ug/L #	81
25) Chloroform	7.51	83	20664	4.631 ug/L	100
27) 1,2-Dichloroethane	8.24	62	15903	5.013 ug/L #	91
30) Cyclohexane	7.78	56	13062	2.170 ug/L	88
31) 1,1,1-Trichloroethane	7.71	97	21515	3.848 ug/L	99
32) Carbon tetrachloride	7.90	117	21299	4.256 ug/L	98
34) Benzene	8.17	78	44050	3.031 ug/L	100
35) Trichloroethene	8.94	95	15321	3.940 ug/L	97
36) Methylcyclohexane	9.19	83	26708	4.057 ug/L	97
40) 1,2-Dichloropropane	9.22	63	14312	3.879 ug/L	100
41) Bromodichloromethane	9.50	83	21749	4.633 ug/L	99
42) cis-1,3-Dichloropropene	9.93	75	26401	4.454 ug/L	99
43) 4-Methyl-2-pentanone	10.07	43	27325	7.882 ug/L	99

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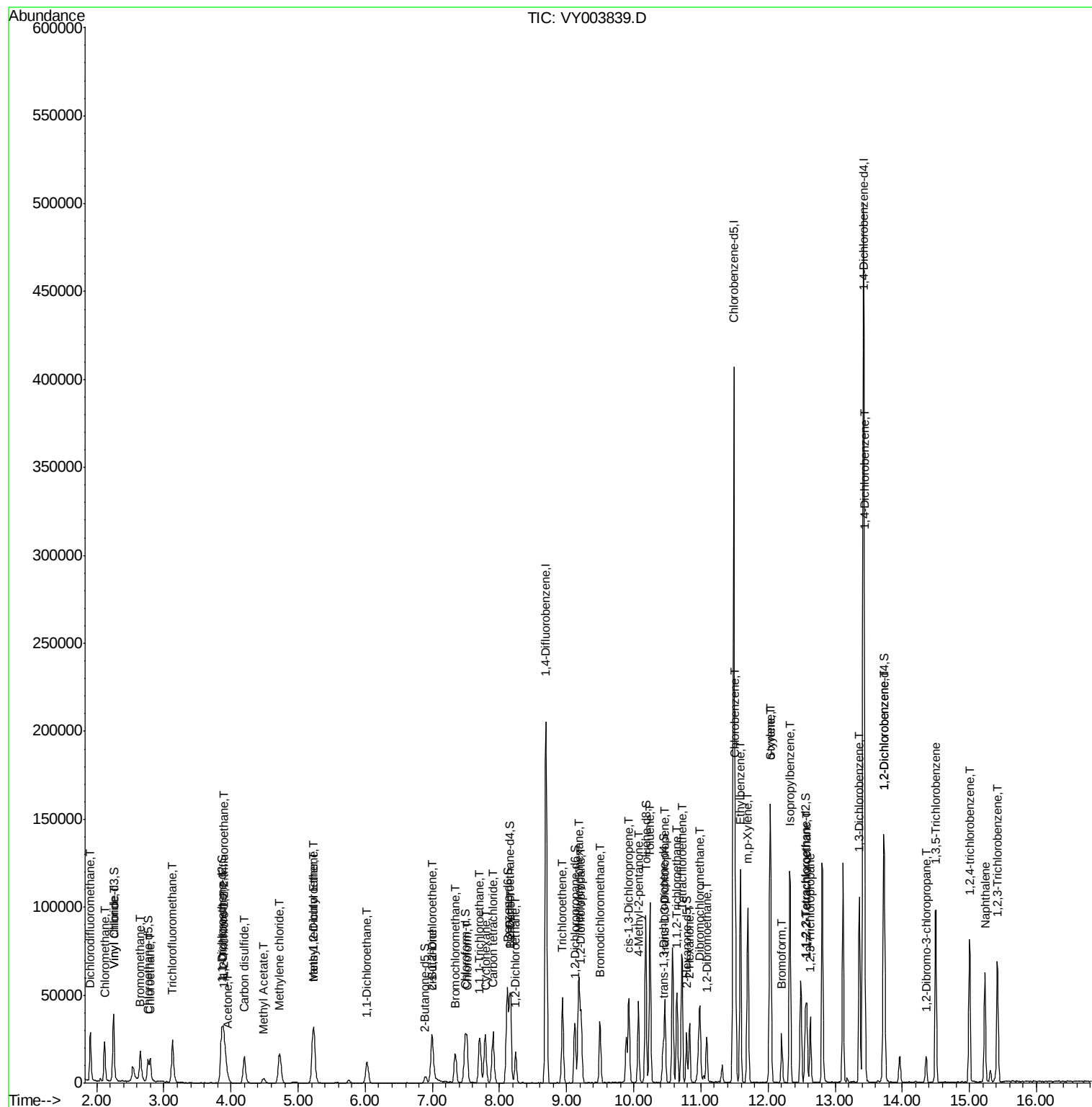
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.25	91	77727	4.989	ug/L	100
45) trans-1,3-Dichloropropene	10.47	75	25338	4.678	ug/L	99
46) 1,1,2-Trichloroethane	10.64	97	15289	5.012	ug/L	98
47) Tetrachloroethene	10.72	164	16839	5.309	ug/L	97
49) 2-Hexanone	10.83	43	18708	7.878	ug/L	97
50) Dibromochloromethane	10.98	129	18271	5.064	ug/L	87
51) 1,2-Dibromoethane	11.09	107	15079	5.021	ug/L #	92
52) Chlorobenzene	11.51	112	52173	5.194	ug/L	96
53) Ethylbenzene	11.59	91	83073	4.891	ug/L	98
54) m,p-Xylene	11.70	106	33720	5.108	ug/L	99
55) o-xylene	12.03	106	31351	5.064	ug/L	87
56) Styrene	12.04	104	51880	4.893	ug/L	93
57) Isopropylbenzene	12.32	105	75324	4.558	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	17973	5.197	ug/L	100
59) 1,2,3-Trichloropropane	12.64	75	14672	5.043	ug/L	98
62) Bromoform	12.20	173	12079	4.622	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	42775	5.190	ug/L	97
64) 1,4-Dichlorobenzene	13.44	146	43910	5.200	ug/L	99
65) 1,2-Dichlorobenzene	13.73	146	38757	5.052	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.35	75	3330	4.560	ug/L	92
67) 1,3,5-Trichlorobenzene	14.50	180	31123	5.343	ug/L	98
68) 1,2,4-trichlorobenzene	15.00	180	26022	5.218	ug/L	99
69) Naphthalene	15.23	128	53790	4.823	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	23416	5.185	ug/L	98

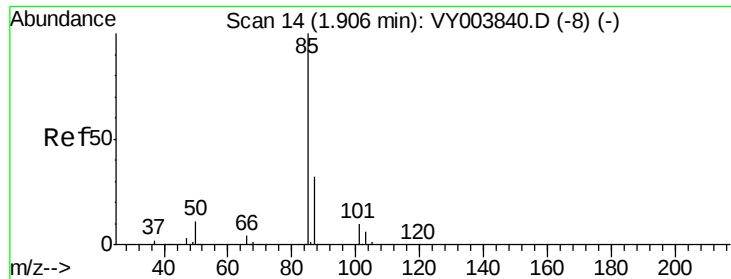
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 6.737 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003839.D

Acq: 23 Dec 2020 16:01

Instrument :

MSVOA_Y

ClientSampleId :

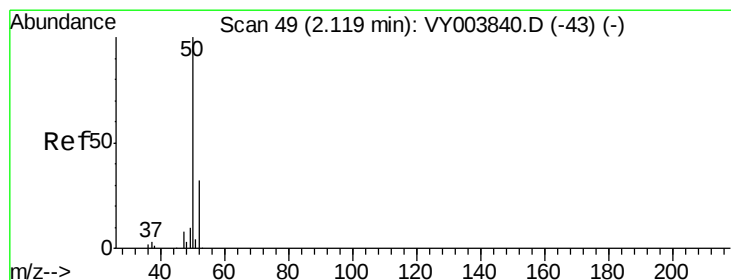
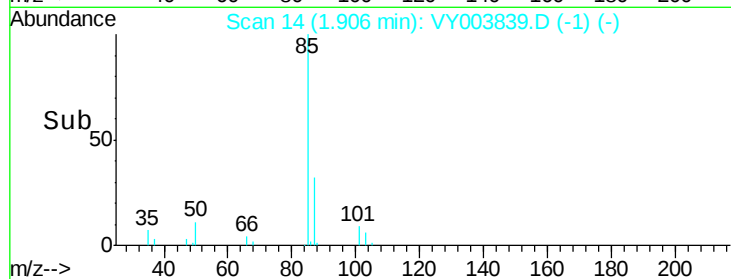
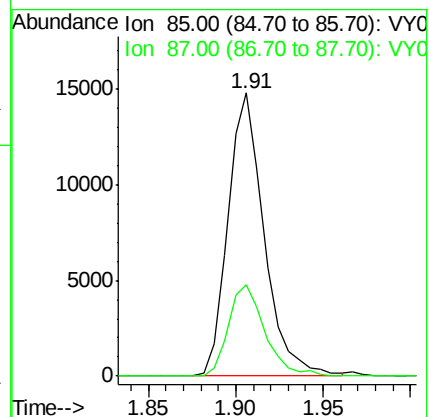
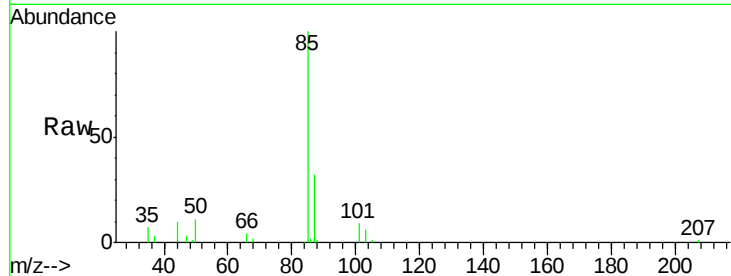
VSTD00580

Tgt Ion: 85 Resp: 21146

Ion Ratio Lower Upper

85 100

87 32.7 23.4 43.6



#3

Chloromethane

Concen: 7.009 ug/L

RT: 2.12 min Scan# 49

Delta R.T. -0.00 min

Lab File: VY003839.D

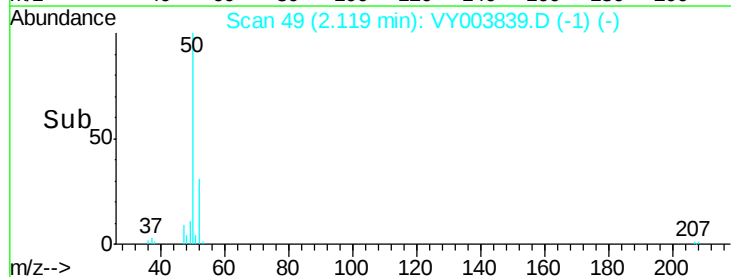
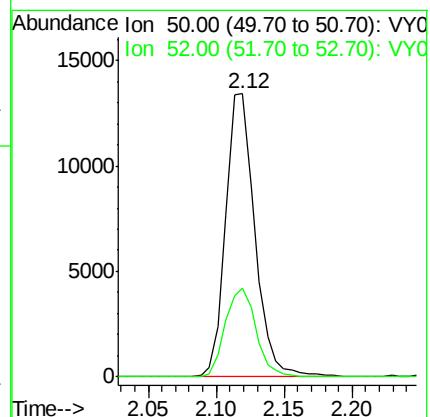
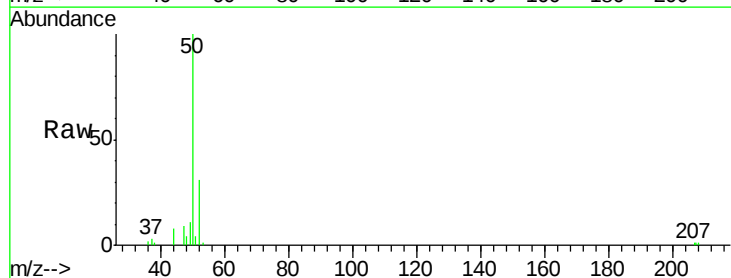
Acq: 23 Dec 2020 16:01

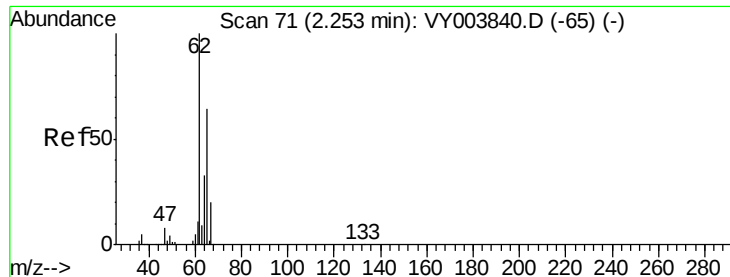
Tgt Ion: 50 Resp: 20099

Ion Ratio Lower Upper

50 100

52 31.4 22.2 41.2





#5

Vinyl chloride

Concen: 7.422 ug/L

RT: 2.25 min Scan# 71

Delta R.T. -0.00 min

Lab File: VY003839.D

Acq: 23 Dec 2020 16:01

Instrument :

MSVOA_Y

ClientSampleId :

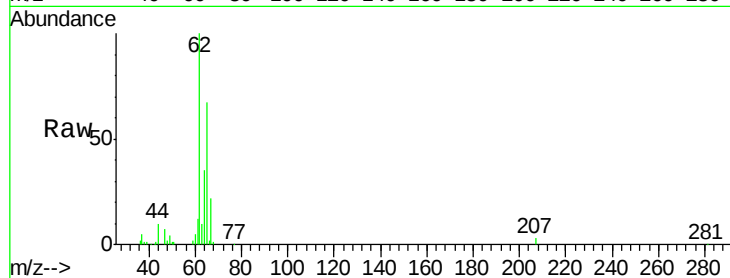
VSTD00580

Tgt Ion: 62 Resp: 21604

Ion Ratio Lower Upper

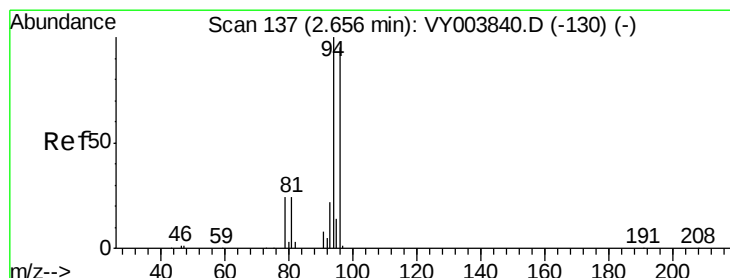
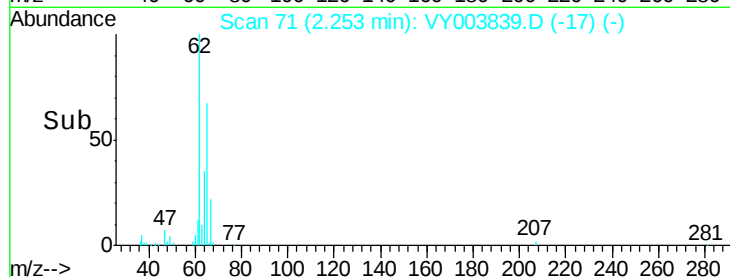
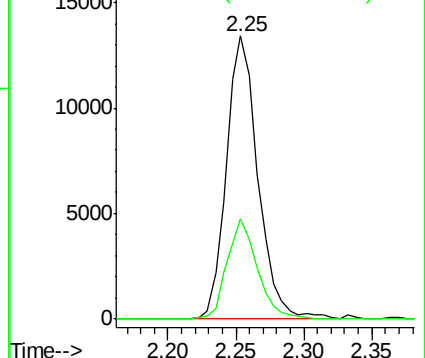
62 100

64 35.3 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: 6.687 ug/L

RT: 2.65 min Scan# 136

Delta R.T. -0.01 min

Lab File: VY003839.D

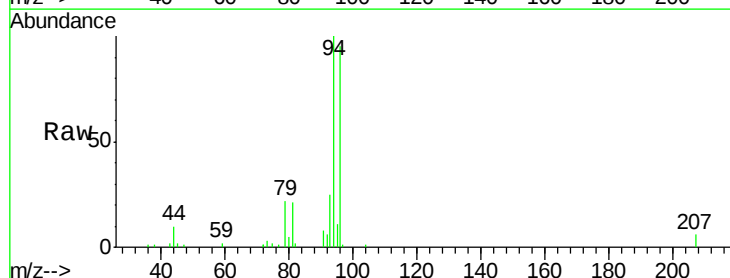
Acq: 23 Dec 2020 16:01

Tgt Ion: 94 Resp: 11637

Ion Ratio Lower Upper

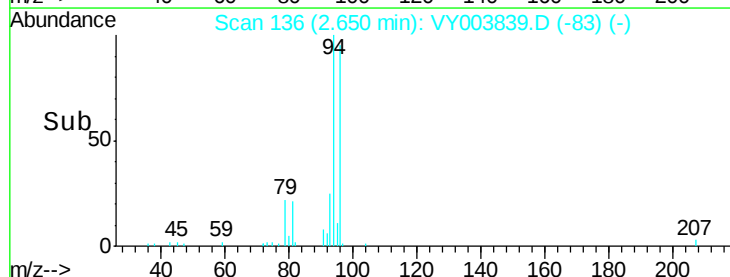
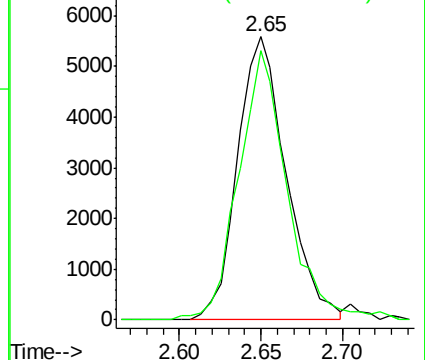
94 100

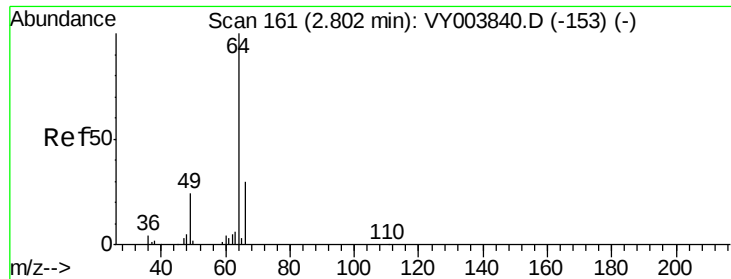
96 94.1 9.6 182.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 6.109 ug/L

RT: 2.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VY003839.D

Acq: 23 Dec 2020 16:01

Instrument :

MSVOA_Y

ClientSampleId :

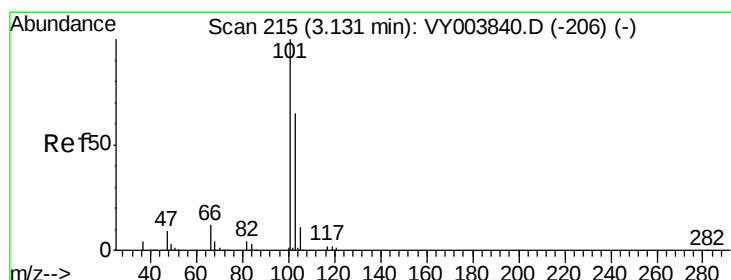
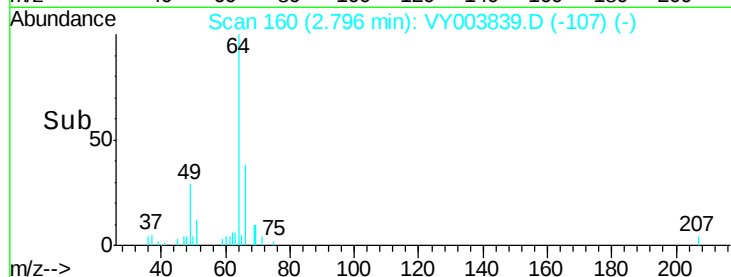
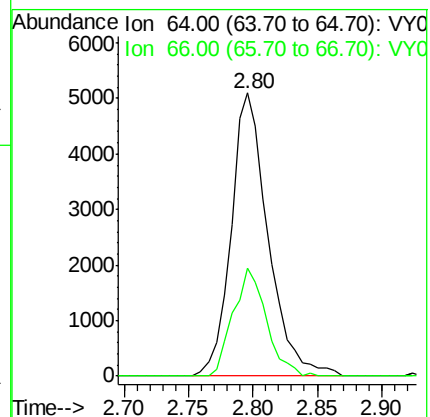
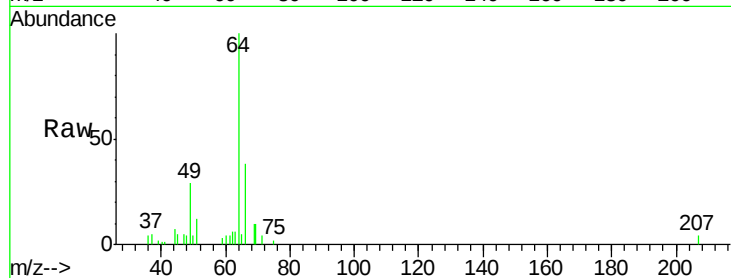
VSTD00580

Tgt Ion: 64 Resp: 10182

Ion Ratio Lower Upper

64 100

66 37.9 20.9 38.9



#9

Trichlorofluoromethane

Concen: 5.618 ug/L

RT: 3.13 min Scan# 215

Delta R.T. -0.00 min

Lab File: VY003839.D

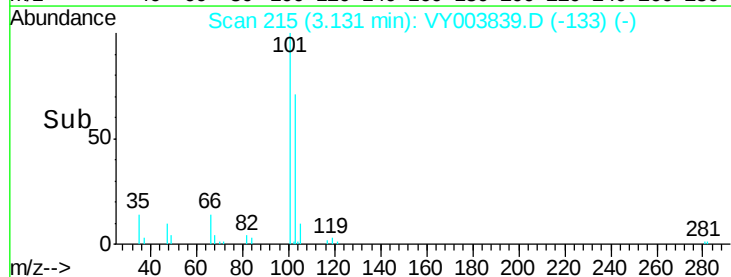
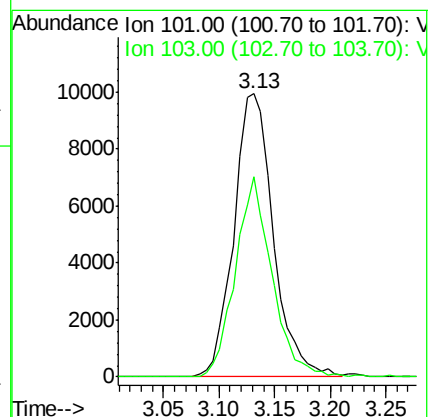
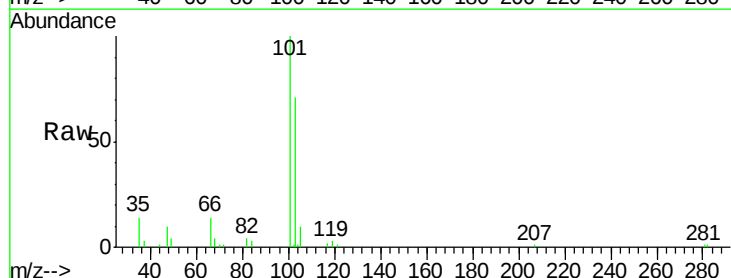
Acq: 23 Dec 2020 16:01

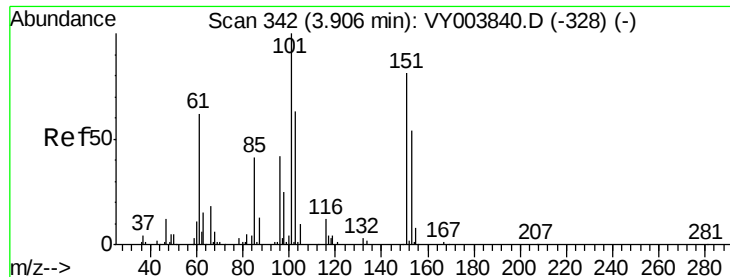
Tgt Ion: 101 Resp: 24460

Ion Ratio Lower Upper

101 100

103 65.2 45.1 83.9





#11

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

Concen: 2.108 ug/L

RT: 3.90 min Scan# 341

Delta R.T. -0.01 min

Lab File: VY003839.D

Acq: 23 Dec 2020 16:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00580

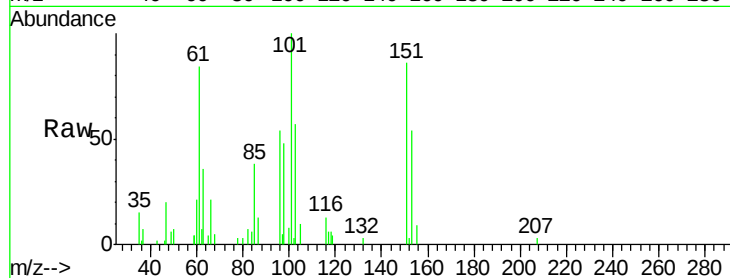
Tgt Ion:101 Resp: 5536

Ion Ratio Lower Upper

101 100

85 90.2 34.5 51.7#

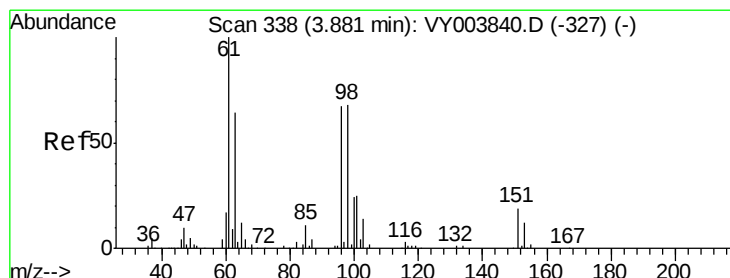
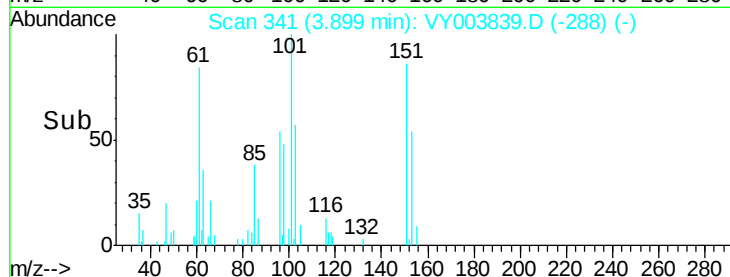
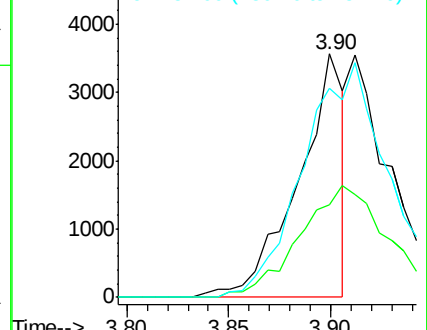
151 92.7 67.6 101.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VY0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.056 ug/L

RT: 3.88 min Scan# 337

Delta R.T. -0.01 min

Lab File: VY003839.D

Acq: 23 Dec 2020 16:01

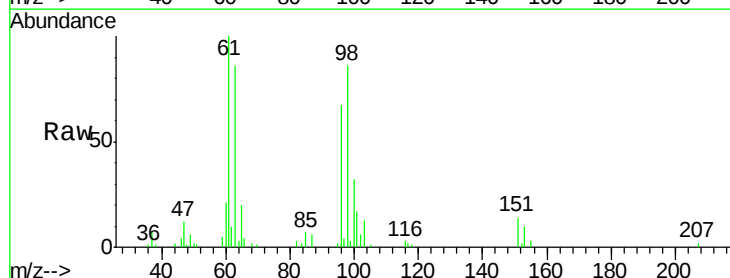
Tgt Ion: 96 Resp: 10190

Ion Ratio Lower Upper

96 100

61 149.4 104.7 194.5

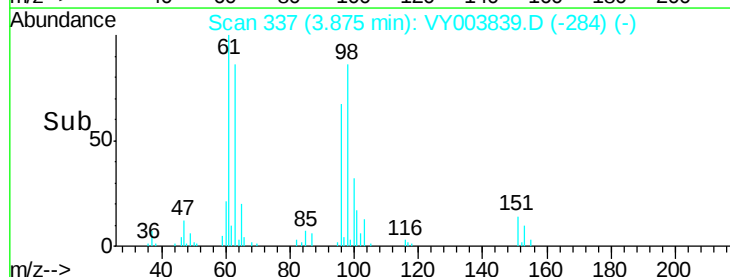
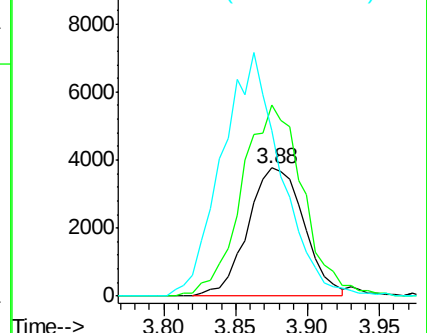
63 129.0 69.9 129.7

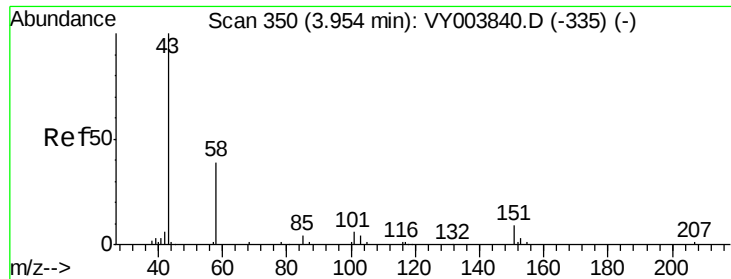


Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 63.00 (62.70 to 63.70): VY0





#13

Acetone

Concen: 6.528 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.00 min

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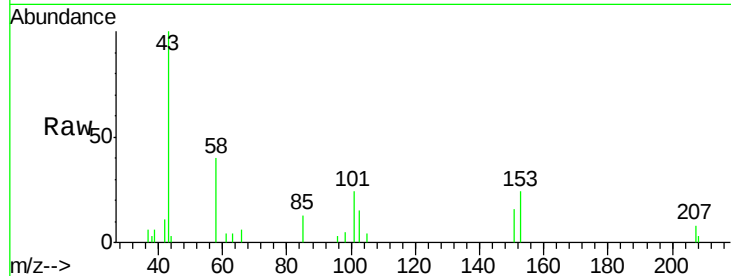
VSTD00580

Tgt Ion: 43 Resp: 4641

Ion Ratio Lower Upper

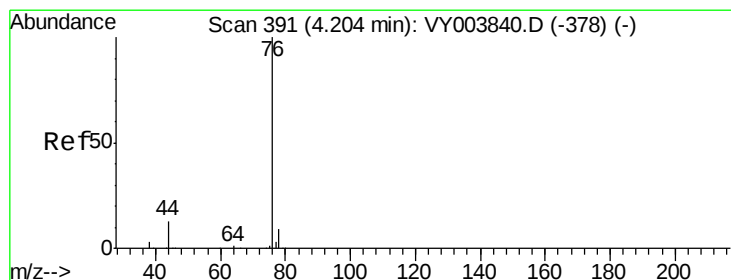
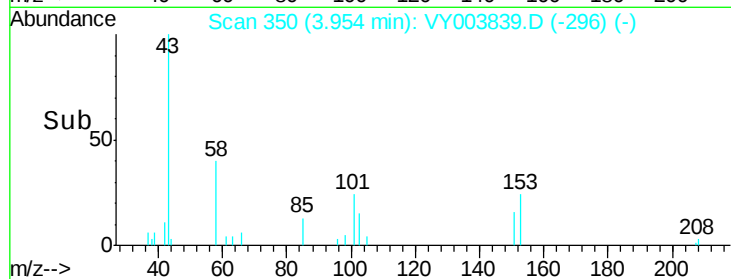
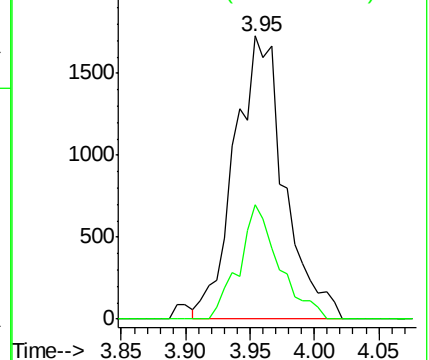
43 100

58 30.9 0.0 71.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 3.417 ug/L

RT: 4.20 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY003839.D

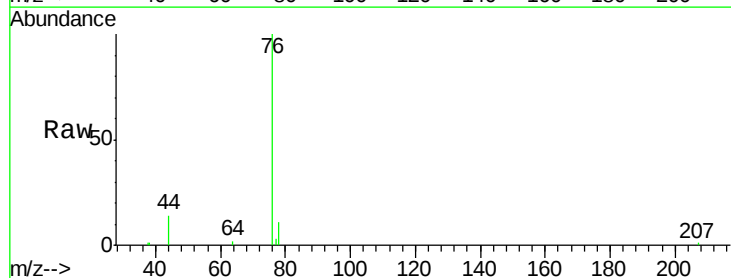
Acq: 23 Dec 2020 16:01

Tgt Ion: 76 Resp: 29833

Ion Ratio Lower Upper

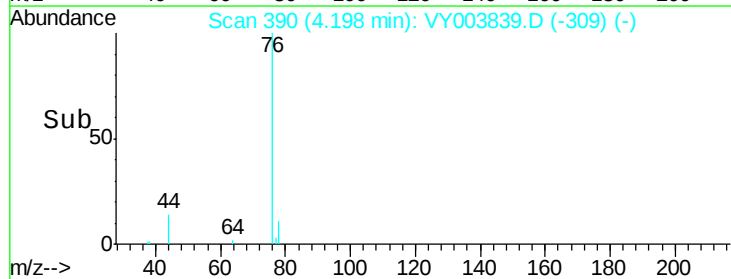
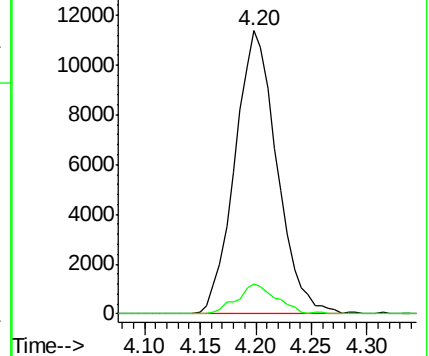
76 100

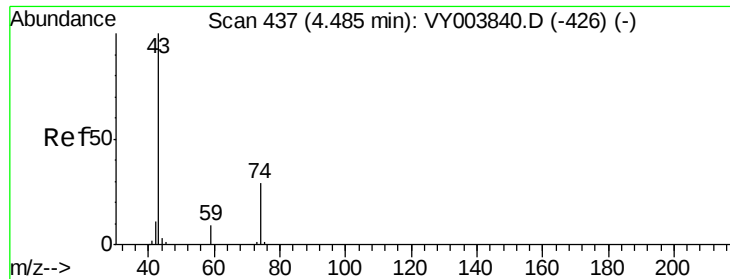
78 10.8 7.0 10.6#



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

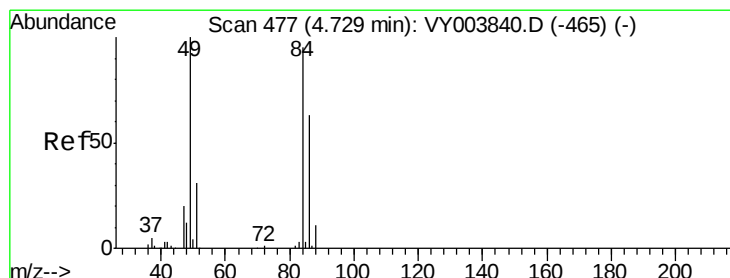
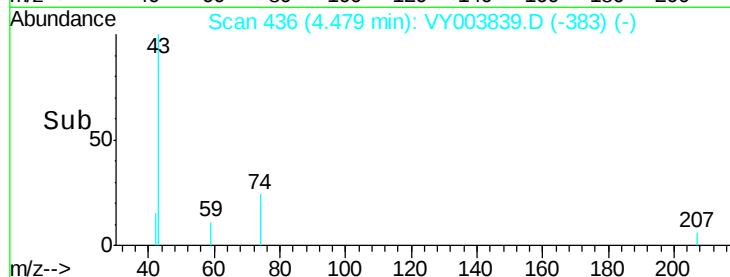
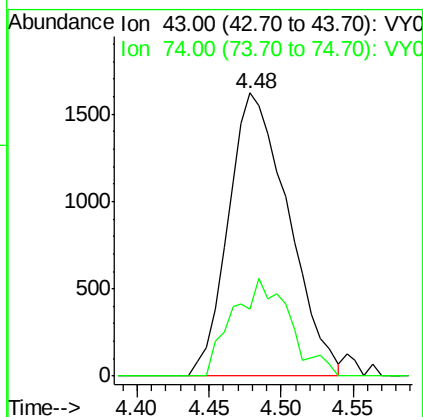
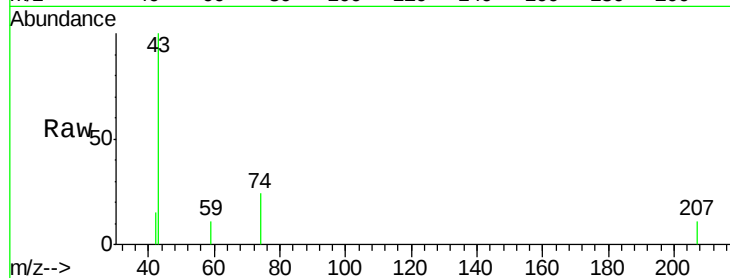




#15
Methyl Acetate
Concen: 2.580 ug/L
RT: 4.48 min Scan# 436
Delta R.T. -0.01 min
Lab File: VY003839.D
Acq: 23 Dec 2020 16:01

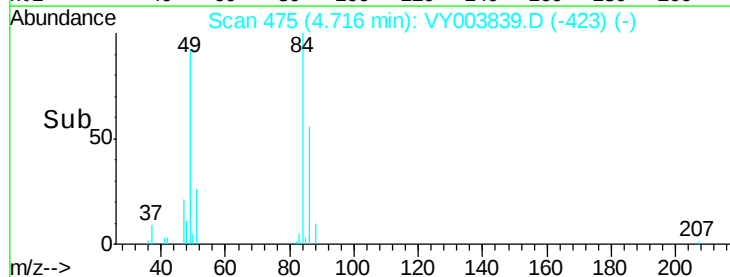
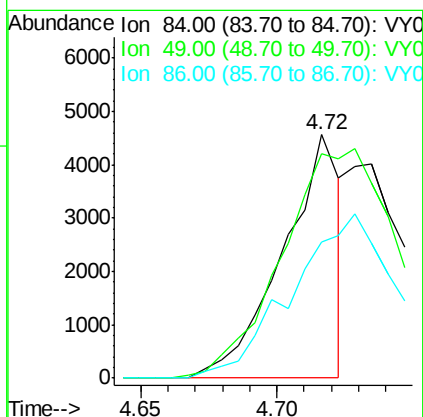
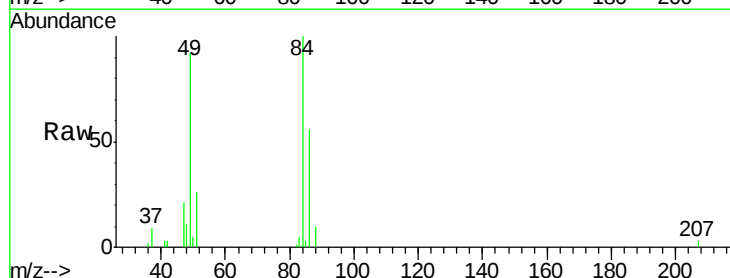
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00580

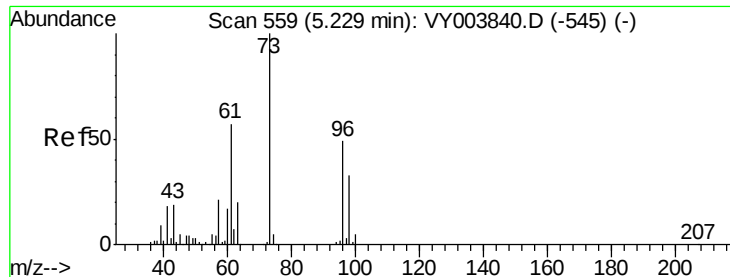
Tgt Ion: 43 Resp: 4696
Ion Ratio Lower Upper
43 100
74 7.8 0.1 0.1#



#16
Methylene chloride
Concen: 2.059 ug/L
RT: 4.72 min Scan# 475
Delta R.T. -0.01 min
Lab File: VY003839.D
Acq: 23 Dec 2020 16:01

Tgt Ion: 84 Resp: 6697
Ion Ratio Lower Upper
84 100
49 92.0 74.1 137.5
86 56.1 46.6 86.6

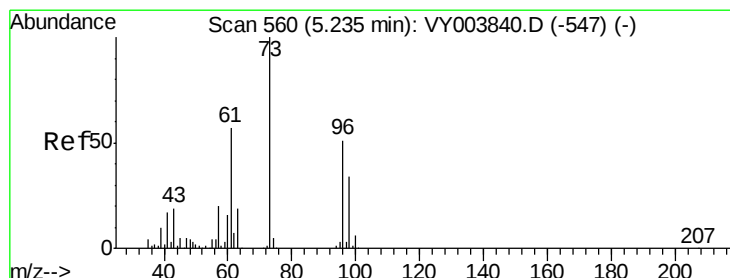
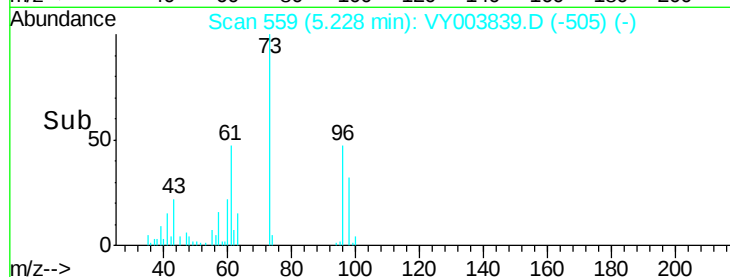
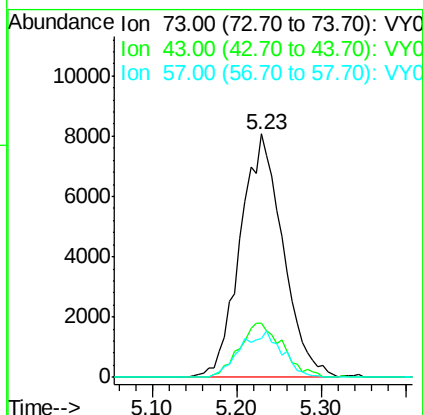
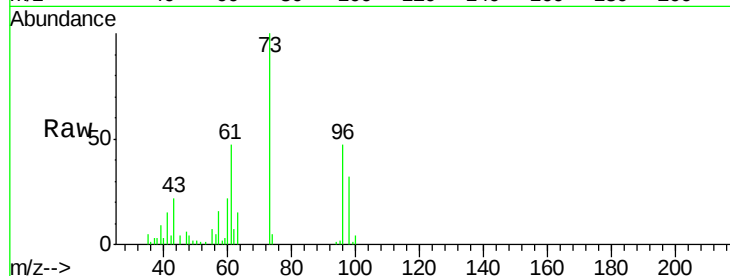




#17
Methyl tert-butyl Ether
Concen: 4.023 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.00 min
Lab File: VY003839.D
Acq: 23 Dec 2020 16:01

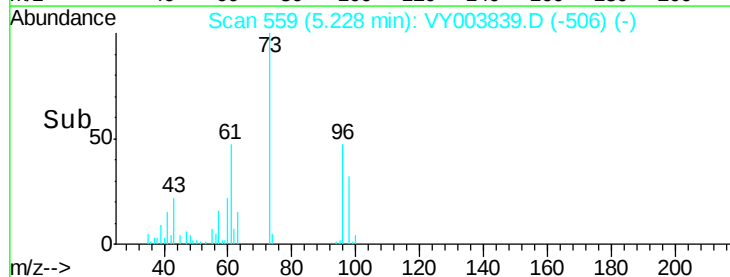
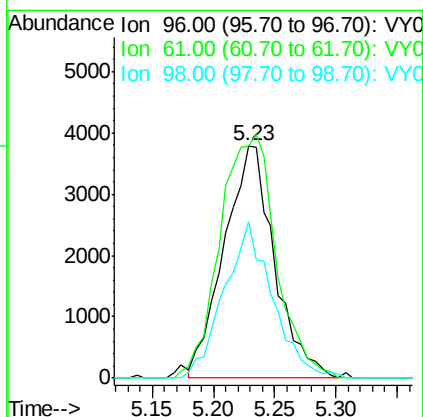
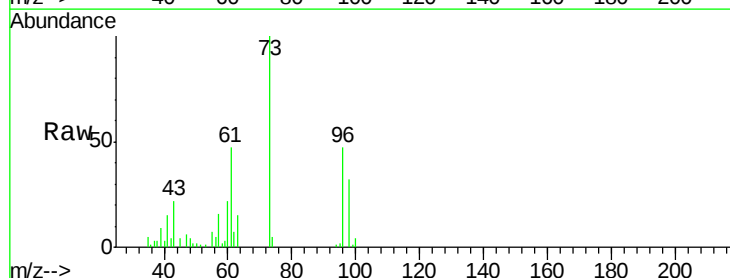
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00580

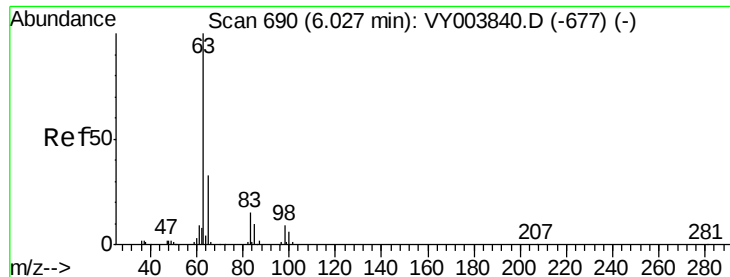
Tgt Ion: 73 Resp: 27912
Ion Ratio Lower Upper
73 100
43 21.7 15.3 22.9
57 10.2 16.9 25.3#



#18
trans-1,2-Dichloroethene
Concen: 3.989 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003839.D
Acq: 23 Dec 2020 16:01

Tgt Ion: 96 Resp: 10868
Ion Ratio Lower Upper
96 100
61 99.7 78.3 145.3
98 67.2 46.8 87.0

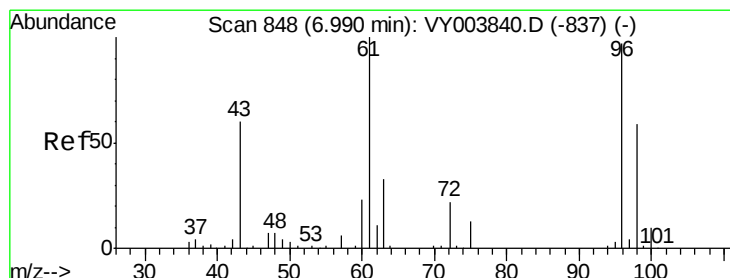
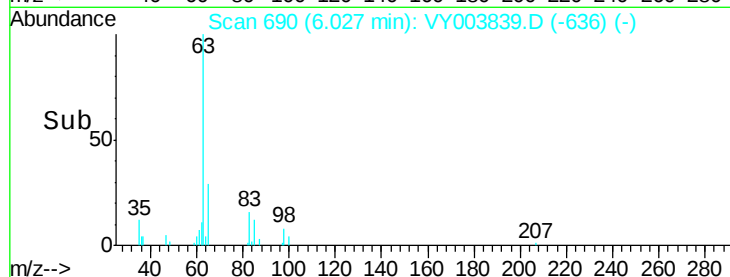
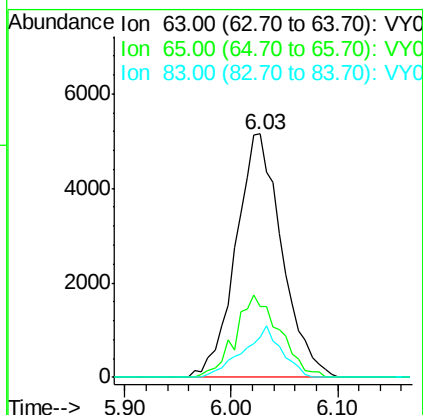
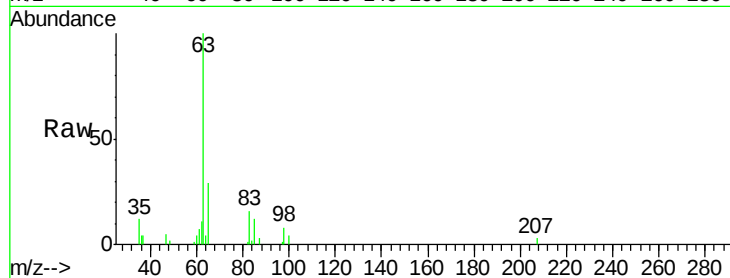




#19
 1,1-Dichloroethane
 Concen: 3.393 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VY003839.D
 Acq: 23 Dec 2020 16:01

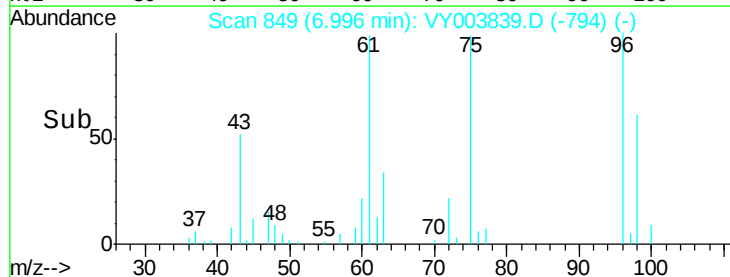
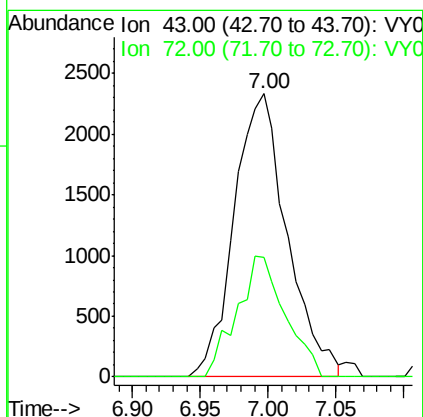
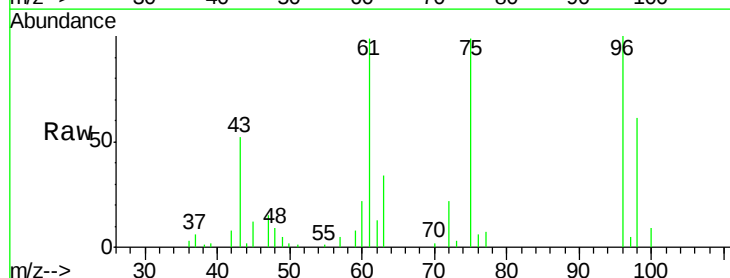
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00580

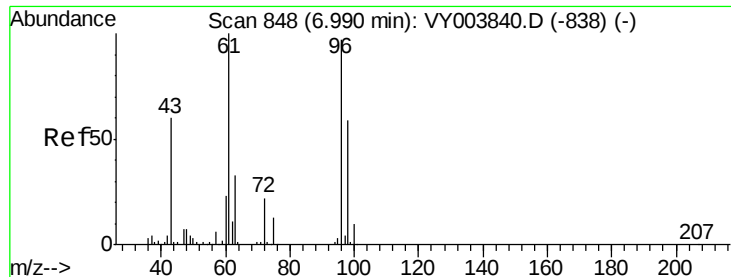
Tgt Ion: 63 Resp: 15553
 Ion Ratio Lower Upper
 63 100
 65 29.3 22.9 42.5
 83 16.2 10.4 19.2



#21
 2-Butanone
 Concen: 5.190 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.01 min
 Lab File: VY003839.D
 Acq: 23 Dec 2020 16:01

Tgt Ion: 43 Resp: 6341
 Ion Ratio Lower Upper
 43 100
 72 38.8 16.3 48.8



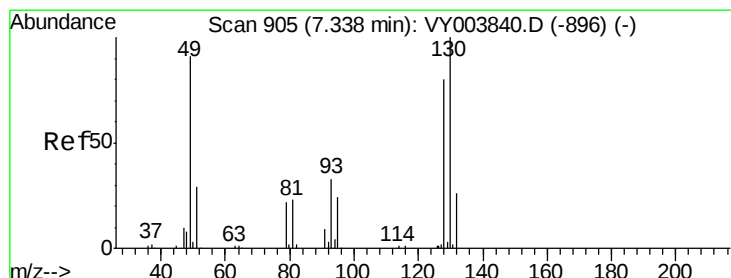
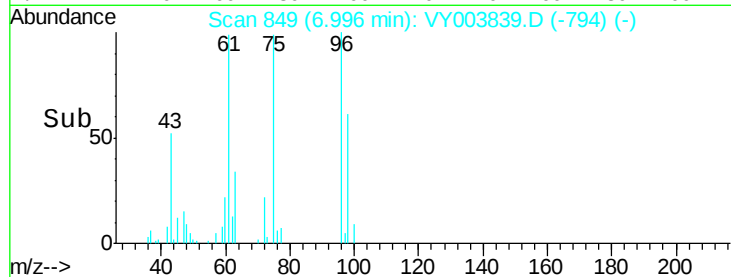
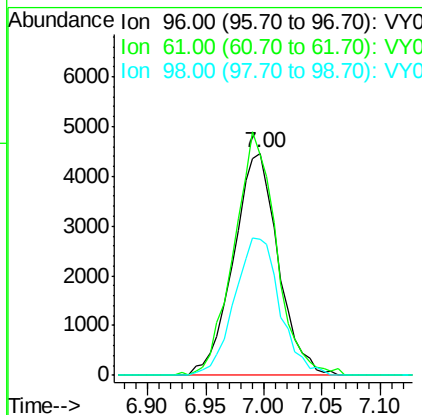
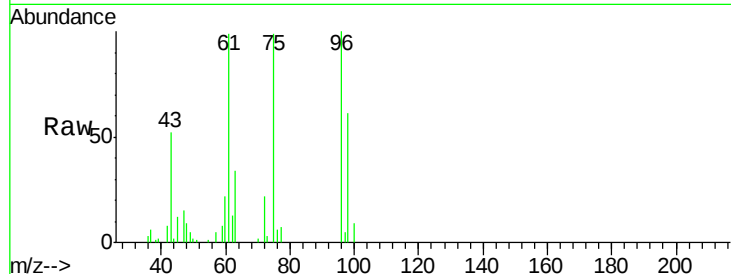


#22

cis-1,2-Dichloroethene
 Concen: 4.129 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.01 min
 Lab File: VY003839.D
 Acq: 23 Dec 2020 16:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00580

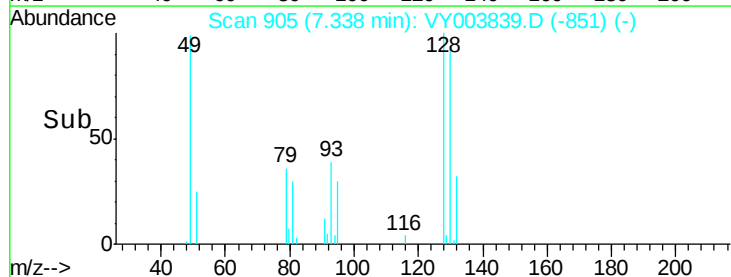
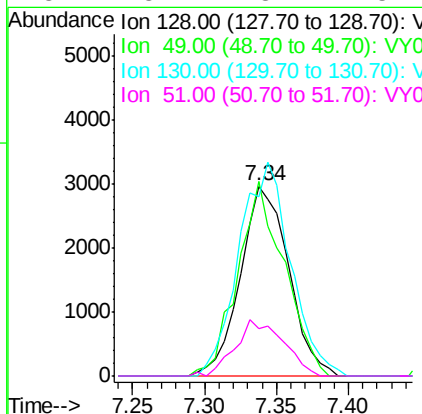
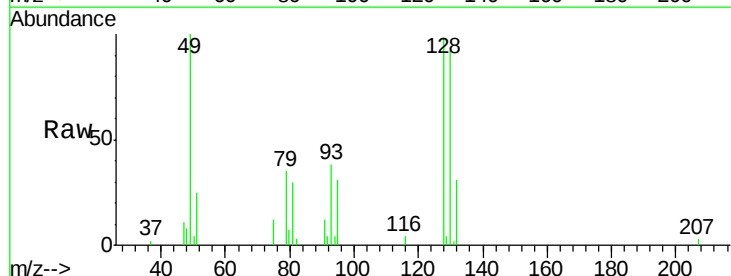
Tgt Ion: 96 Resp: 11944
 Ion Ratio Lower Upper
 96 100
 61 98.9 72.2 134.2
 98 61.4 42.9 79.7

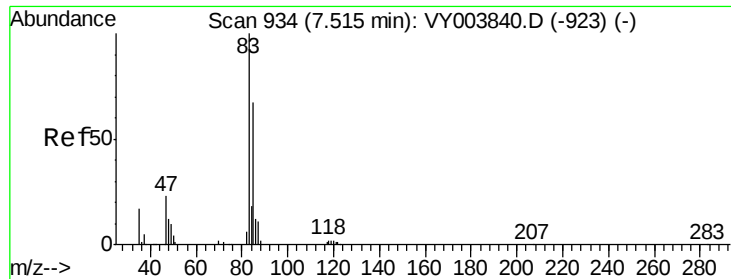


#23

Bromochloromethane
 Concen: 5.028 ug/L
 RT: 7.34 min Scan# 905
 Delta R.T. -0.00 min
 Lab File: VY003839.D
 Acq: 23 Dec 2020 16:01

Tgt Ion: 128 Resp: 6881
 Ion Ratio Lower Upper
 128 100
 49 102.4 79.9 148.5
 130 94.4 87.3 162.1
 51 25.1 28.7 43.1#





#25

Chloroform

Concen: 4.631 ug/L

RT: 7.51 min Scan# 934

Delta R.T. -0.00 min

Lab File: VY003839.D

Acq: 23 Dec 2020 16:01

Instrument :

MSVOA_Y

ClientSampleId :

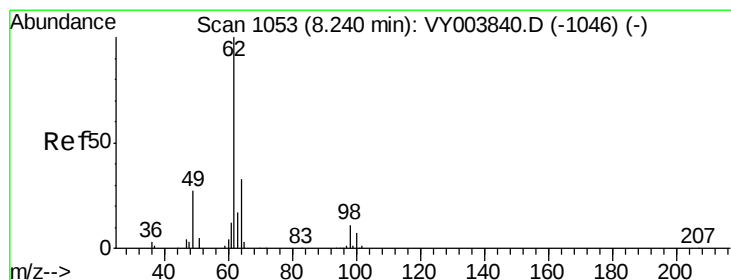
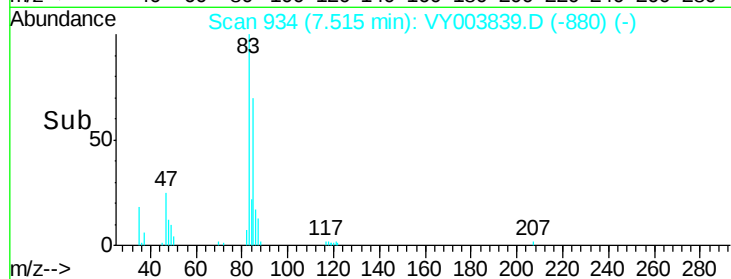
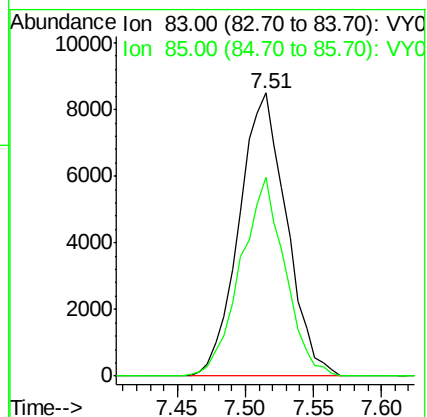
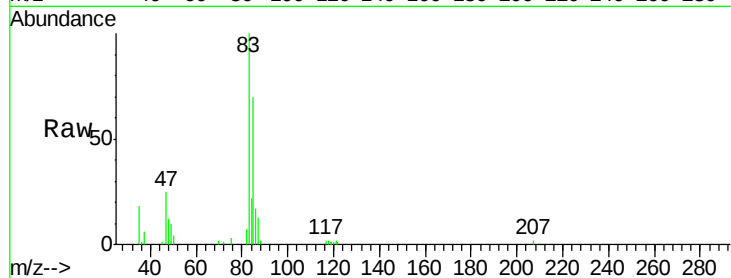
VSTD00580

Tgt Ion: 83 Resp: 20664

Ion Ratio Lower Upper

83 100

85 66.1 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.013 ug/L

RT: 8.24 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY003839.D

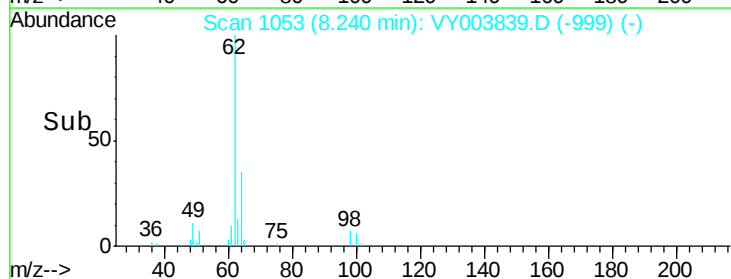
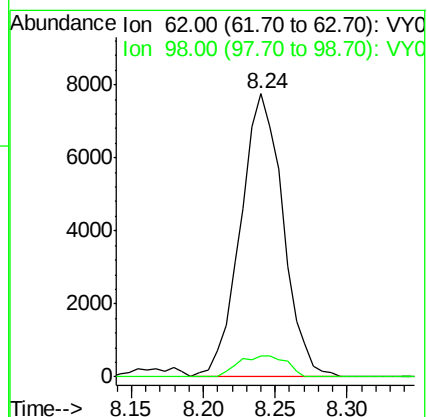
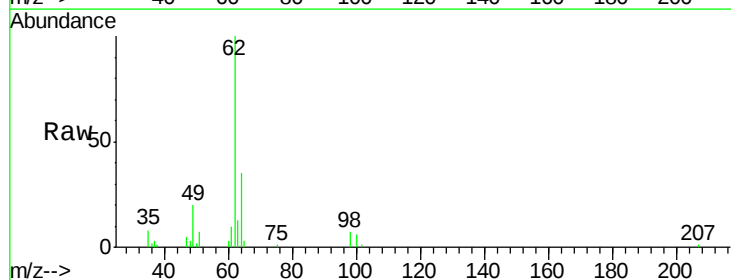
Acq: 23 Dec 2020 16:01

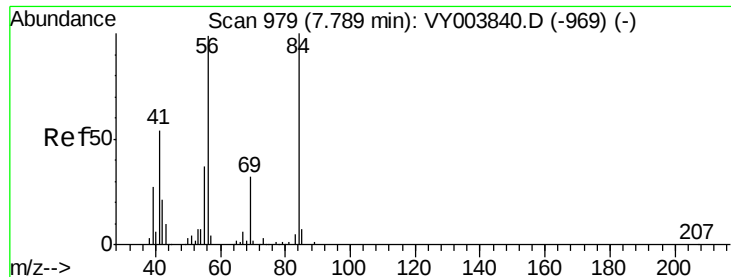
Tgt Ion: 62 Resp: 15903

Ion Ratio Lower Upper

62 100

98 7.4 8.6 12.8#

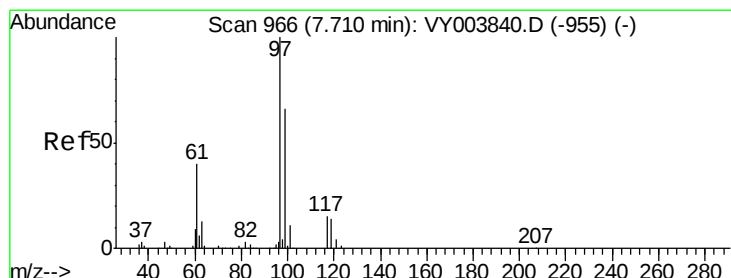
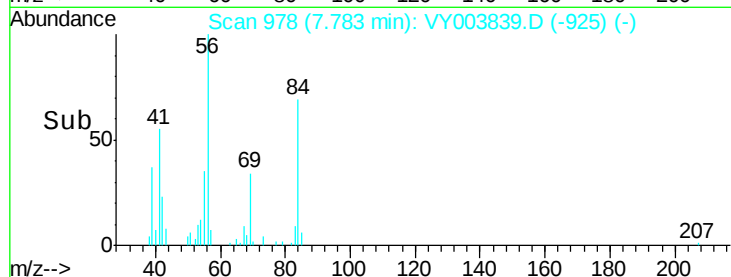
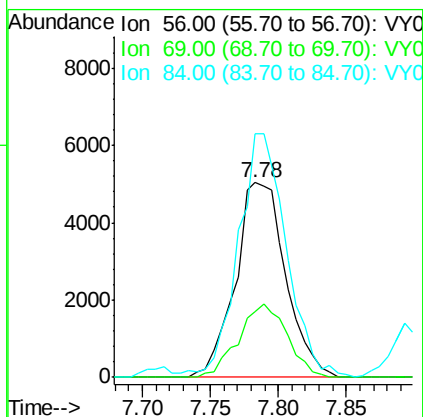
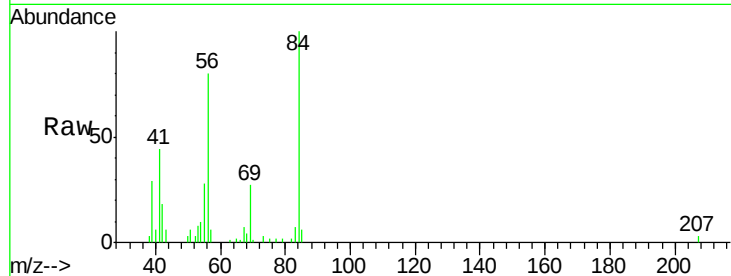




#30
Cyclohexane
Concen: 2.170 ug/L
RT: 7.78 min Scan# 978
Delta R.T. -0.01 min
Lab File: VY003839.D
Acq: 23 Dec 2020 16:01

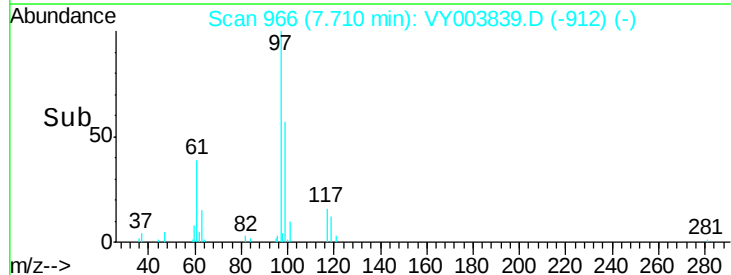
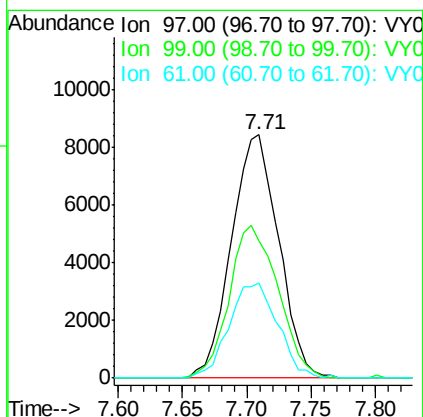
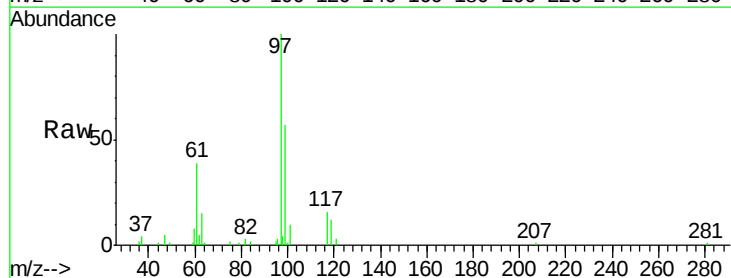
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00580

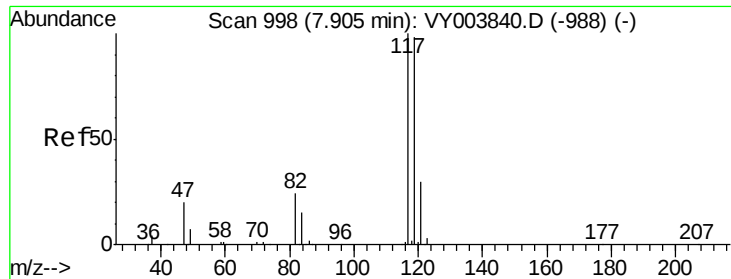
Tgt Ion: 56 Resp: 13062
Ion Ratio Lower Upper
56 100
69 36.4 26.5 39.7
84 118.4 83.3 124.9



#31
1,1,1-Trichloroethane
Concen: 3.848 ug/L
RT: 7.71 min Scan# 966
Delta R.T. -0.00 min
Lab File: VY003839.D
Acq: 23 Dec 2020 16:01

Tgt Ion: 97 Resp: 21515
Ion Ratio Lower Upper
97 100
99 65.1 51.8 77.8
61 40.1 32.4 48.6





#32

Carbon tetrachloride

Concen: 4.256 ug/L

RT: 7.90 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY003839.D

Acq: 23 Dec 2020 16:01

Instrument :

MSVOA_Y

ClientSampleId :

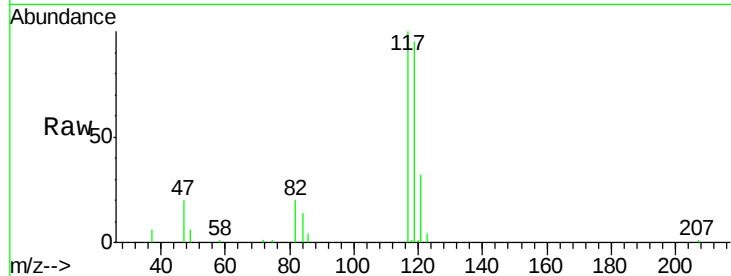
VSTD00580

Tgt Ion:117 Resp: 21299

Ion Ratio Lower Upper

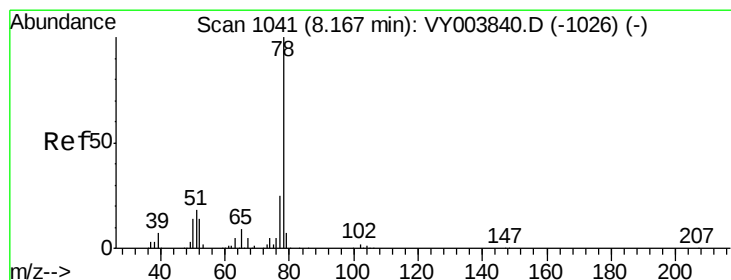
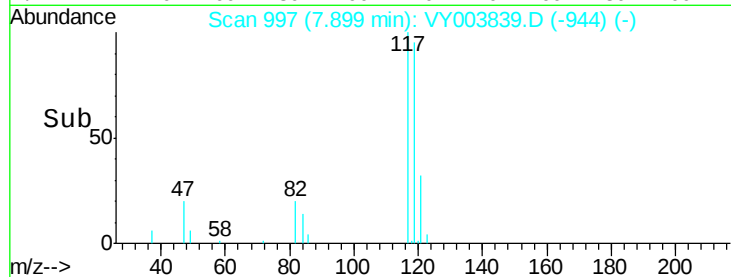
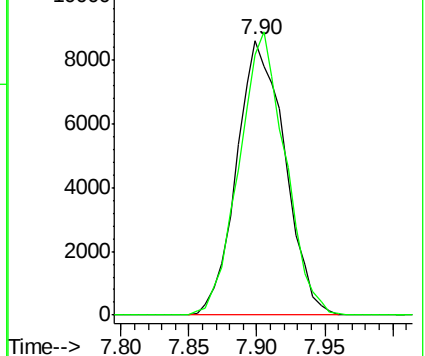
117 100

119 99.0 77.5 116.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 3.031 ug/L

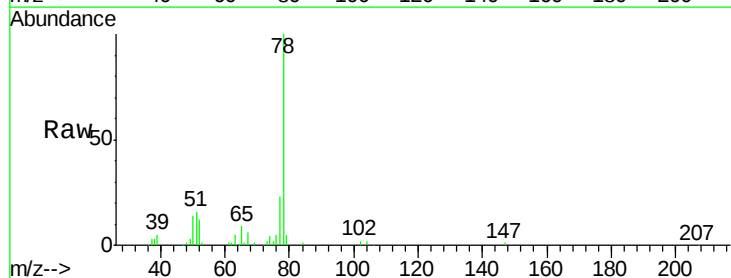
RT: 8.17 min Scan# 1041

Delta R.T. -0.00 min

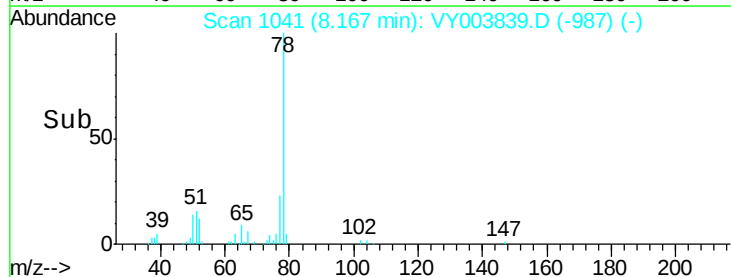
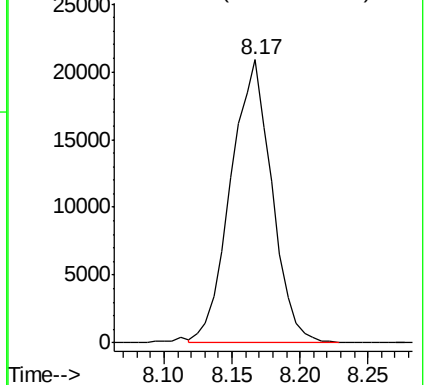
Lab File: VY003839.D

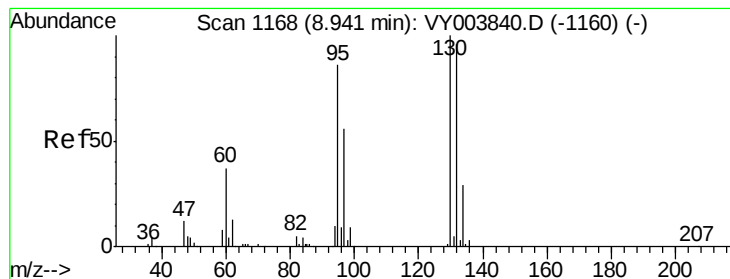
Acq: 23 Dec 2020 16:01

Tgt Ion: 78 Resp: 44050



Abundance Ion 78.00 (77.70 to 78.70): VY0





#35

Trichloroethene

Concen: 3.940 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. -0.00 min

Lab File: VY003839.D

Acq: 23 Dec 2020 16:01

Instrument :

MSVOA_Y

ClientSampled :

VSTD00580

Tgt Ion: 95 Resp: 15321

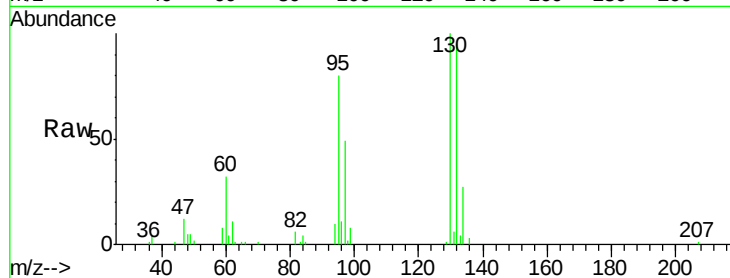
Ion Ratio Lower Upper

95 100

97 62.1 44.9 83.3

132 110.6 76.2 141.4

130 118.6 79.7 148.1

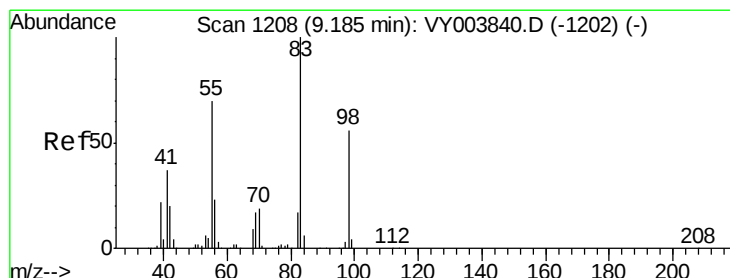
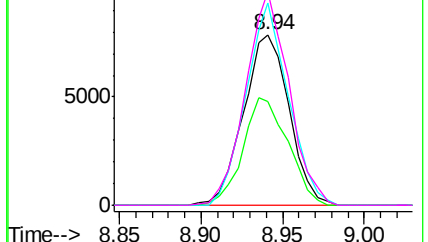
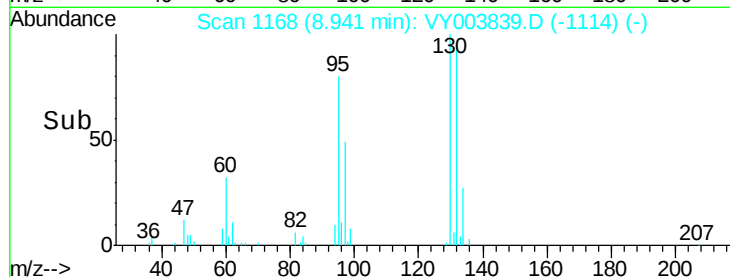


Abundance Ion 95.00 (94.70 to 95.70): VY0

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: 4.057 ug/L

RT: 9.19 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VY003839.D

Acq: 23 Dec 2020 16:01

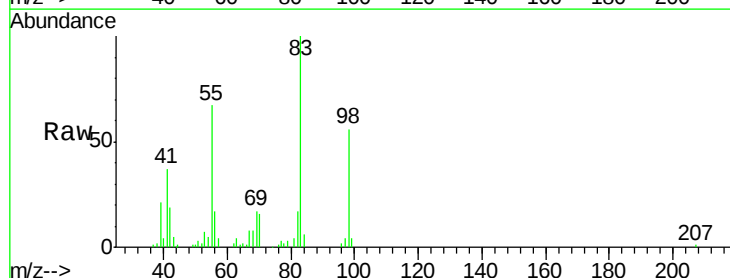
Tgt Ion: 83 Resp: 26708

Ion Ratio Lower Upper

83 100

55 63.3 53.5 80.3

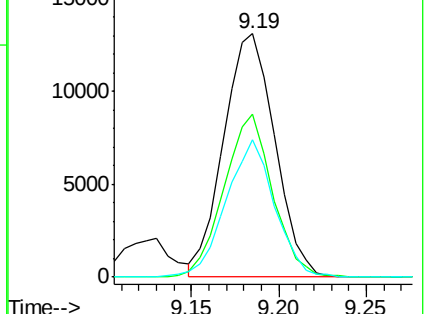
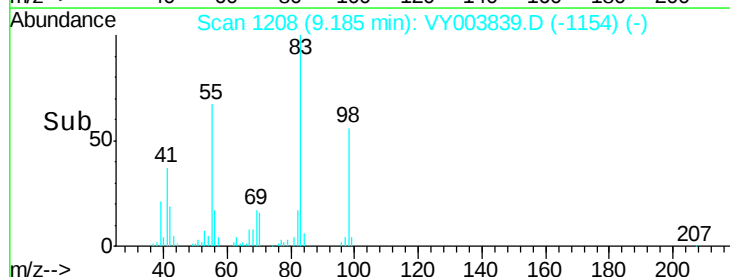
98 53.2 42.8 64.2

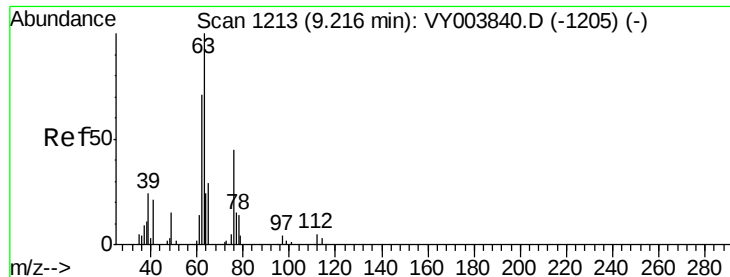


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

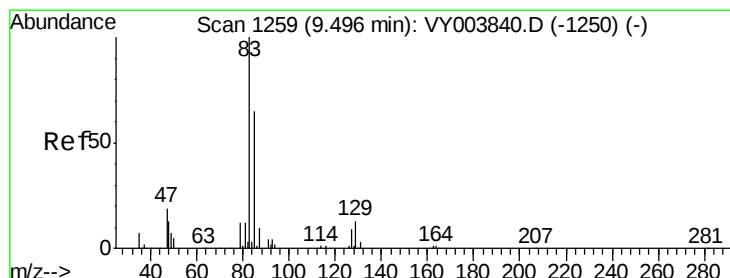
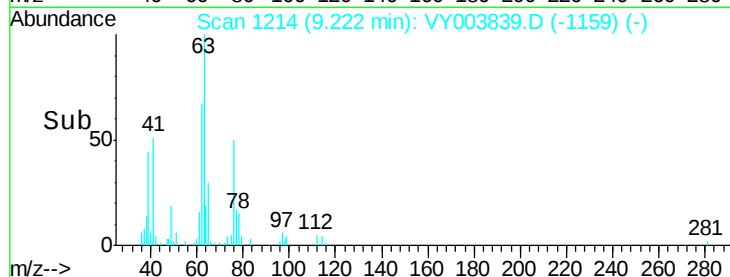
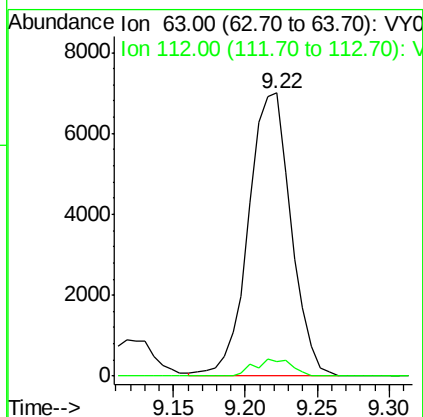
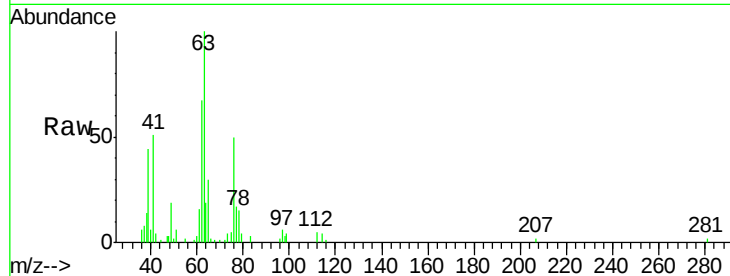




#40
 1,2-Dichloropropane
 Concen: 3.879 ug/L
 RT: 9.22 min Scan# 1214
 Delta R.T. 0.01 min
 Lab File: VY003839.D
 Acq: 23 Dec 2020 16:01

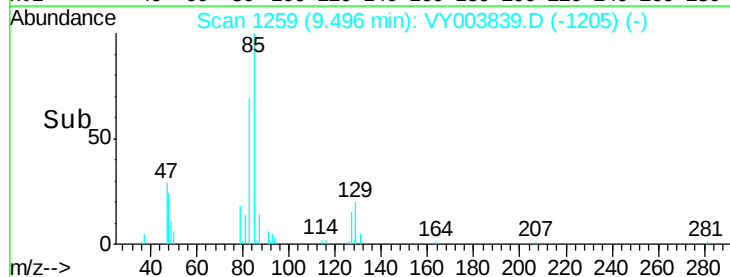
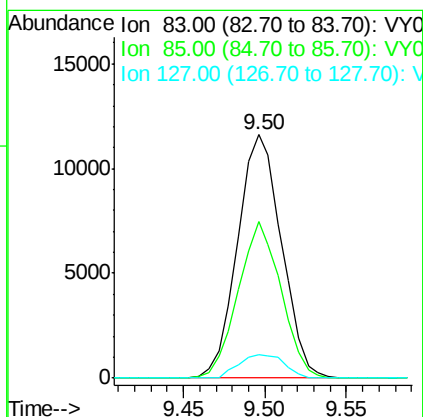
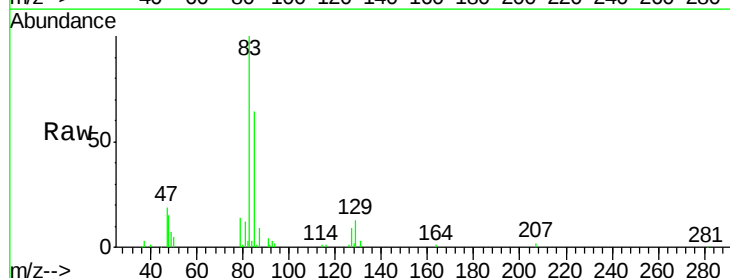
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00580

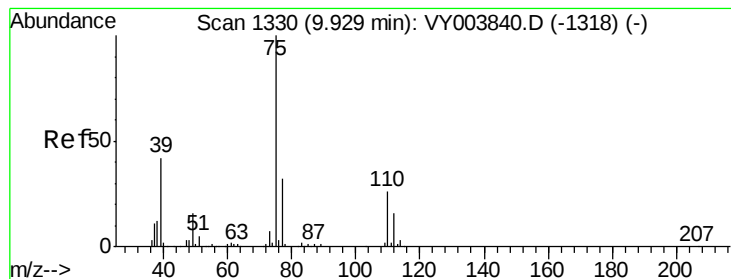
Tgt Ion: 63 Resp: 14312
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.2 6.4



#41
 Bromodichloromethane
 Concen: 4.633 ug/L
 RT: 9.50 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VY003839.D
 Acq: 23 Dec 2020 16:01

Tgt Ion: 83 Resp: 21749
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.8 85.0
 127 9.4 7.4 11.2





#42

cis-1,3-Dichloropropene

Concen: 4.454 ug/L

RT: 9.93 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VY003839.D

Acq: 23 Dec 2020 16:01

Instrument :

MSVOA_Y

ClientSampleId :

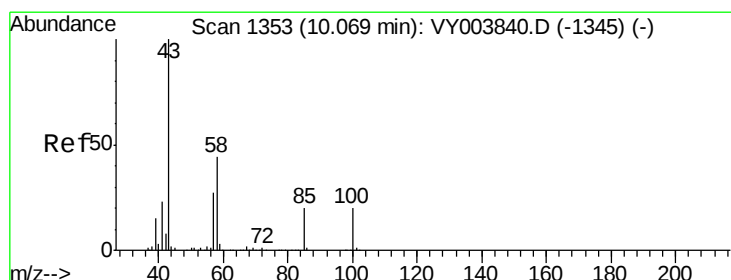
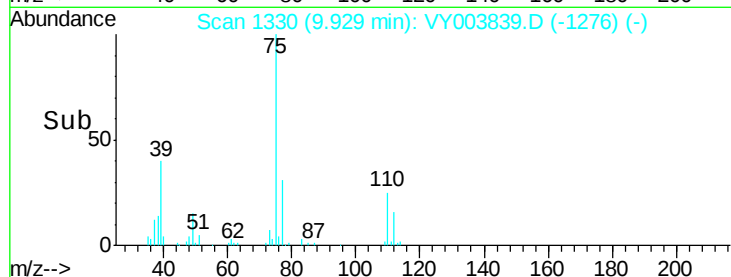
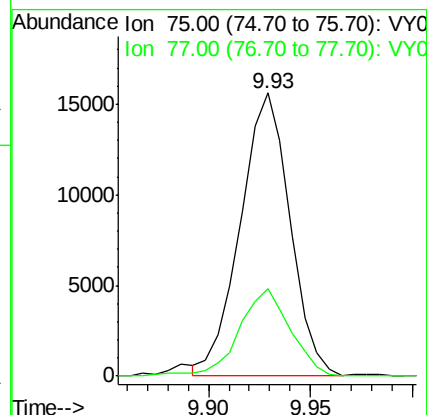
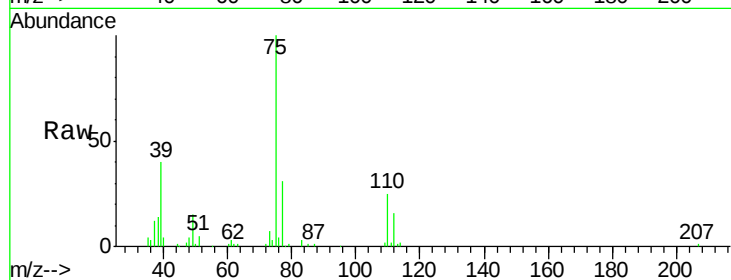
VSTD00580

Tgt Ion: 75 Resp: 26401

Ion Ratio Lower Upper

75 100

77 30.8 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 7.882 ug/L

RT: 10.07 min Scan# 1353

Delta R.T. -0.00 min

Lab File: VY003839.D

Acq: 23 Dec 2020 16:01

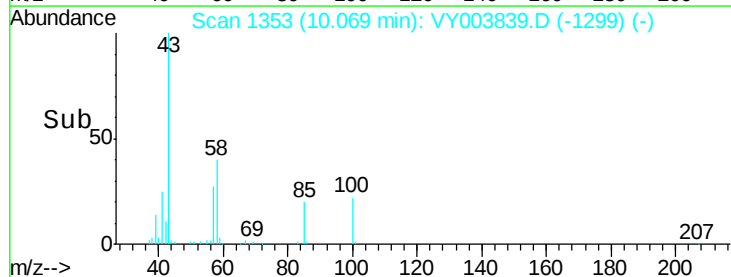
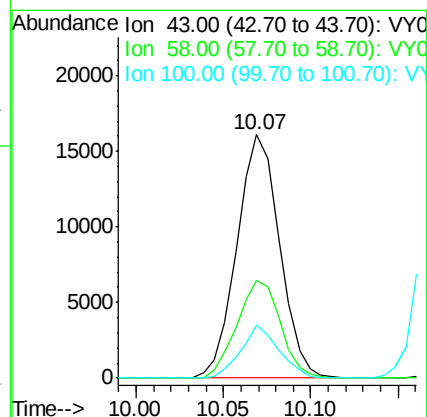
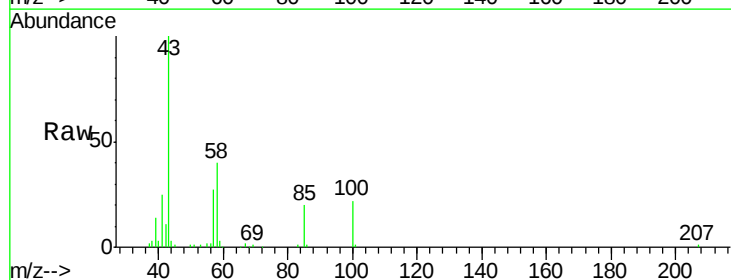
Tgt Ion: 43 Resp: 27325

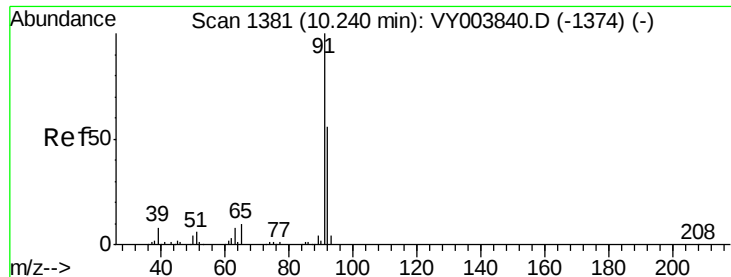
Ion Ratio Lower Upper

43 100

58 40.8 33.6 50.4

100 19.5 15.6 23.4





#44

Toluene

Concen: 4.989 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VY003839.D

Acq: 23 Dec 2020 16:01

Instrument :

MSVOA_Y

ClientSampleId :

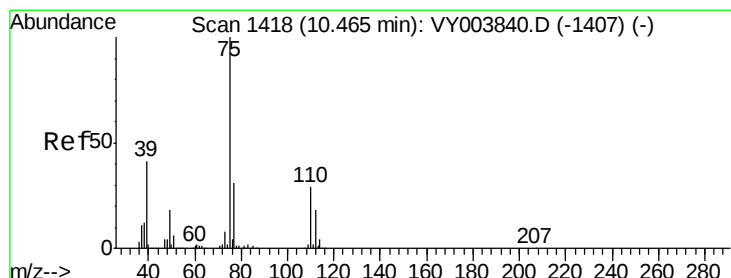
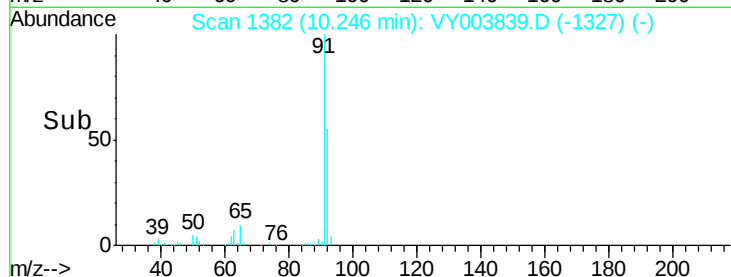
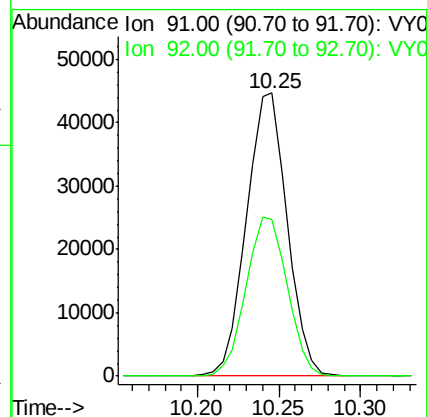
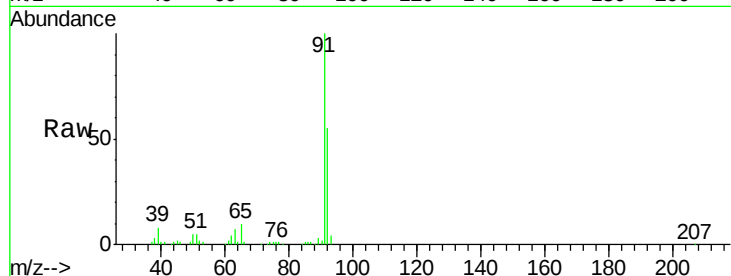
VSTD00580

Tgt Ion: 91 Resp: 77727

Ion Ratio Lower Upper

91 100

92 55.4 38.9 72.2



#45

trans-1,3-Dichloropropene

Concen: 4.678 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003839.D

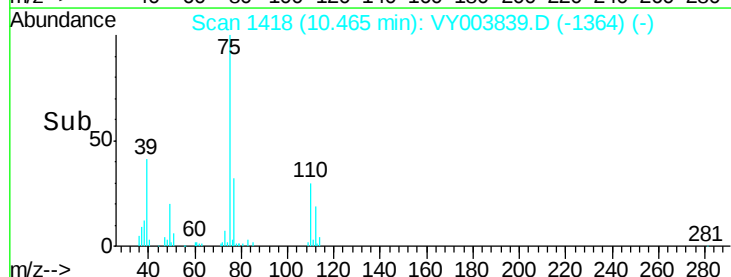
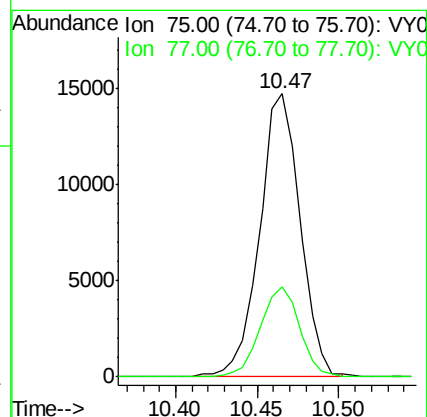
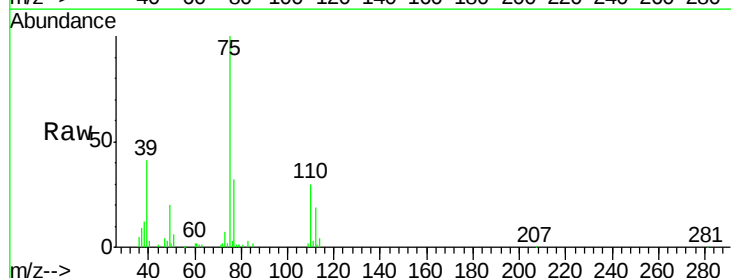
Acq: 23 Dec 2020 16:01

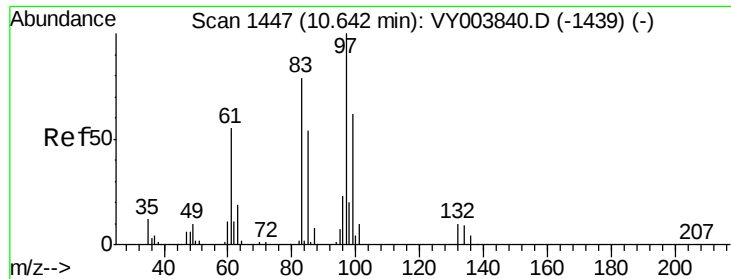
Tgt Ion: 75 Resp: 25338

Ion Ratio Lower Upper

75 100

77 31.6 21.9 40.7

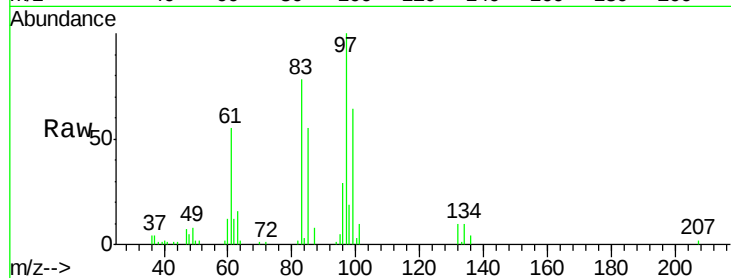




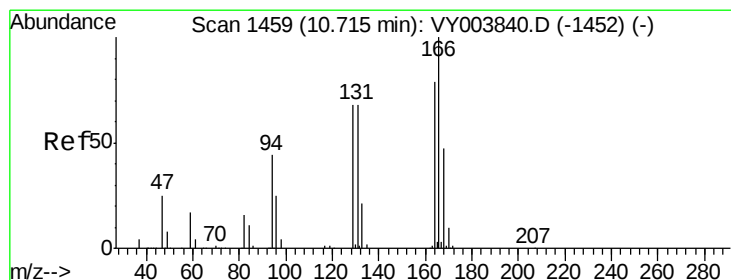
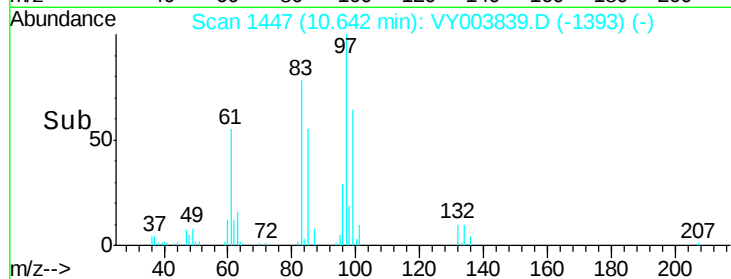
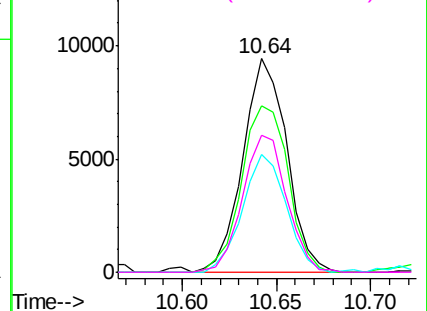
#46
 1,1,2-Trichloroethane
 Concen: 5.012 ug/L
 RT: 10.64 min Scan# 1447
 Delta R.T. -0.00 min
 Lab File: VY003839.D
 Acq: 23 Dec 2020 16:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00580

Tgt Ion:	97	Resp:	15289
Ion	Ratio	Lower	Upper
97	100		
83	77.8	55.5	103.1
85	55.0	37.5	69.7
99	64.4	43.8	81.3

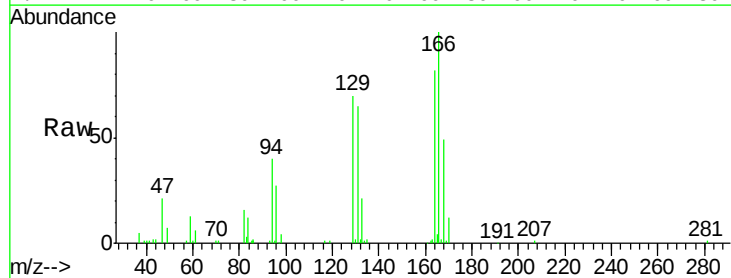


Abundance Ion 97.00 (96.70 to 97.70): VY003839.D (-1439) (-)
 Ion 83.00 (82.70 to 83.70): VY003839.D (-1439) (-)
 Ion 85.00 (84.70 to 85.70): VY003839.D (-1439) (-)
 Ion 99.00 (98.70 to 99.70): VY003839.D (-1439) (-)

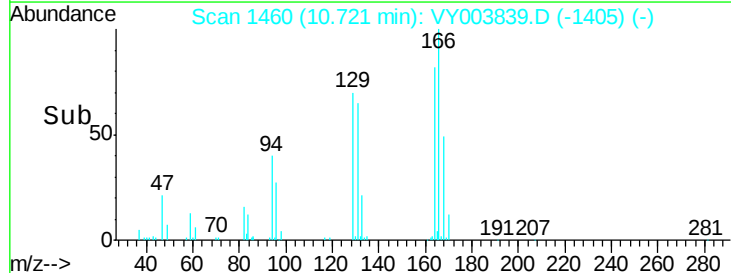
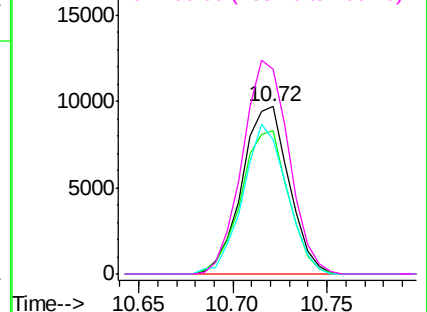


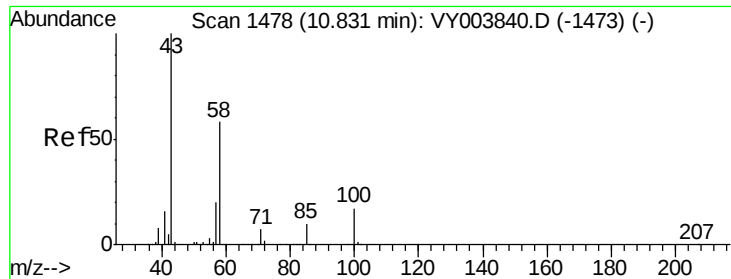
#47
 Tetrachloroethene
 Concen: 5.309 ug/L
 RT: 10.72 min Scan# 1460
 Delta R.T. 0.01 min
 Lab File: VY003839.D
 Acq: 23 Dec 2020 16:01

Tgt Ion:	164	Resp:	16839
Ion	Ratio	Lower	Upper
164	100		
129	85.4	60.3	111.9
131	80.2	59.7	110.9
166	122.6	88.4	164.2



Abundance Ion 164.00 (163.70 to 164.70): VY003839.D (-1405) (-)
 Ion 129.00 (128.70 to 129.70): VY003839.D (-1405) (-)
 Ion 131.00 (130.70 to 131.70): VY003839.D (-1405) (-)
 Ion 166.00 (165.70 to 166.70): VY003839.D (-1405) (-)

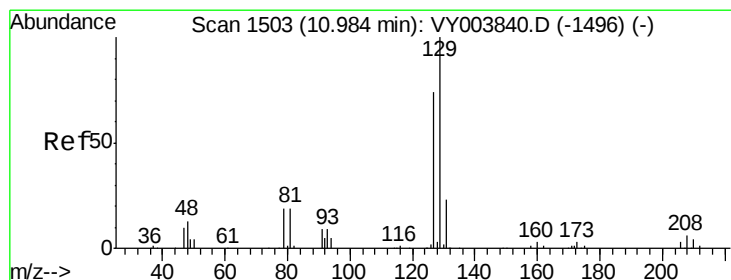
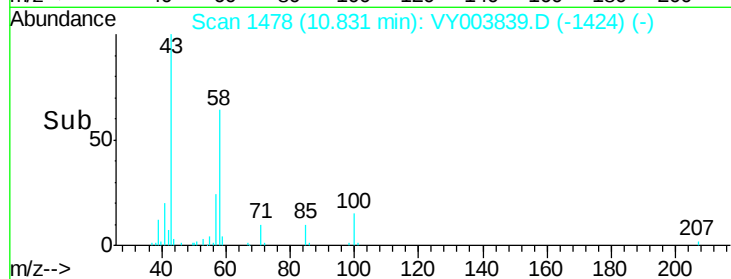
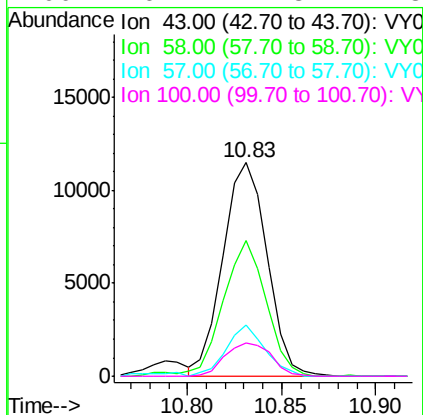
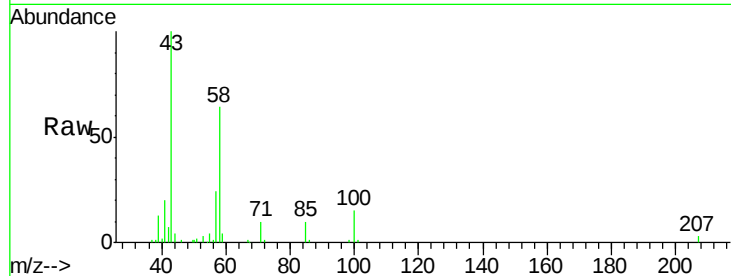




#49
2-Hexanone
Concen: 7.878 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003839.D
Acq: 23 Dec 2020 16:01

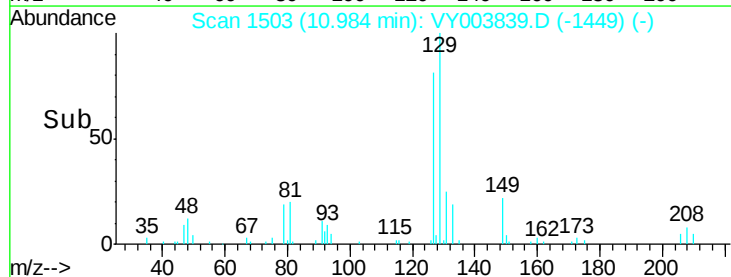
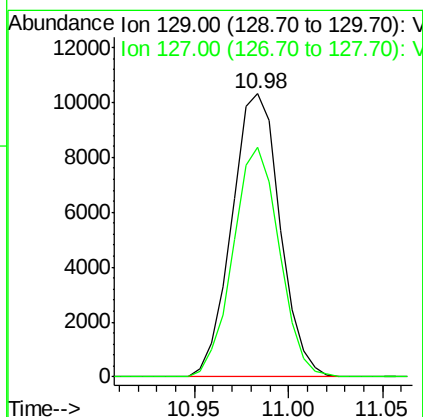
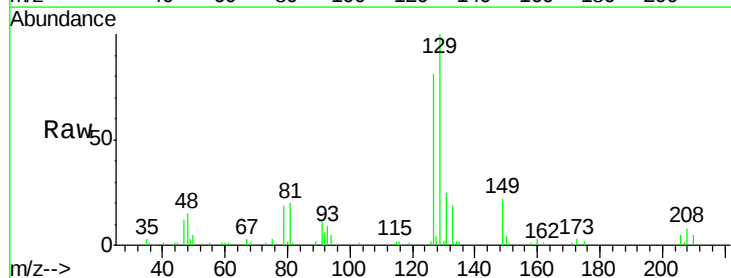
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00580

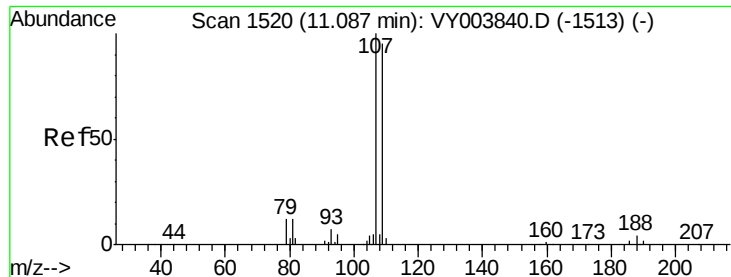
Tgt Ion:	43	Resp:	18708
Ion	Ratio	Lower	Upper
43	100		
58	61.3	47.1	70.7
57	20.9	15.5	23.3
100	16.2	11.8	17.8



#50
Dibromochloromethane
Concen: 5.064 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003839.D
Acq: 23 Dec 2020 16:01

Tgt Ion:	129	Resp:	18271
Ion	Ratio	Lower	Upper
129	100		
127	85.2	52.0	96.6

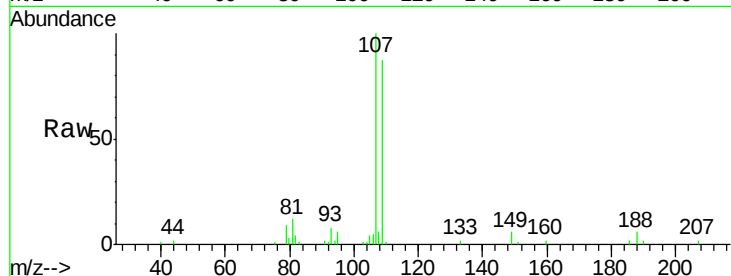




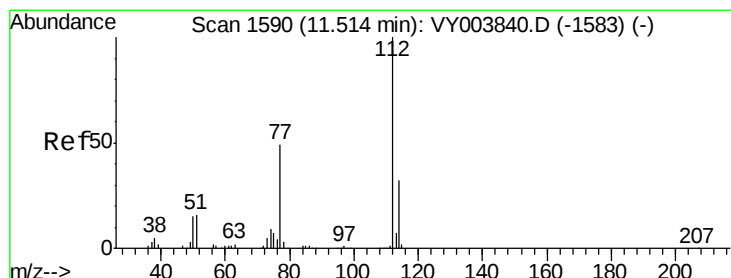
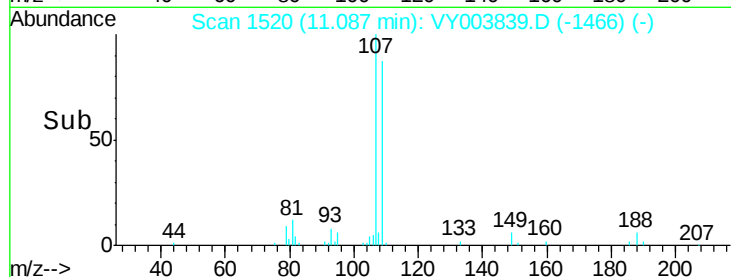
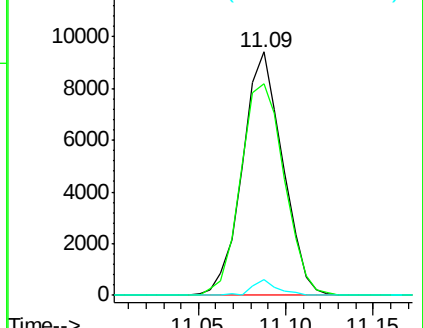
#51
1,2-Dibromoethane
Concen: 5.021 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. -0.00 min
Lab File: VY003839.D
Acq: 23 Dec 2020 16:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTD00580

Tgt Ion:107 Resp: 15079
Ion Ratio Lower Upper
107 100
109 87.0 66.4 123.2
188 6.2 3.4 5.2#

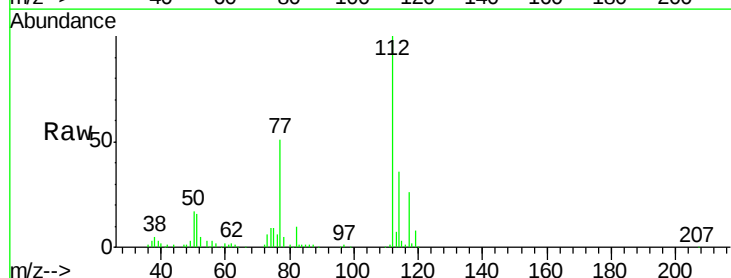


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

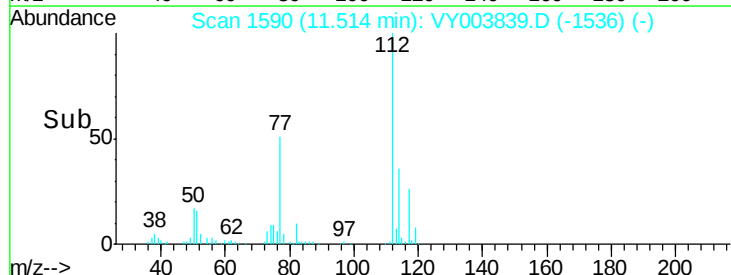
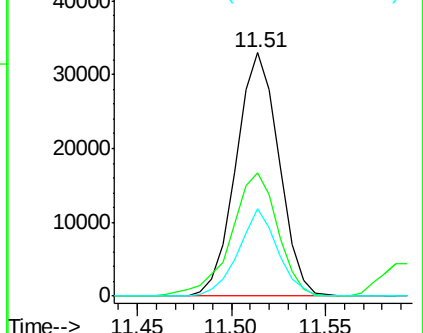


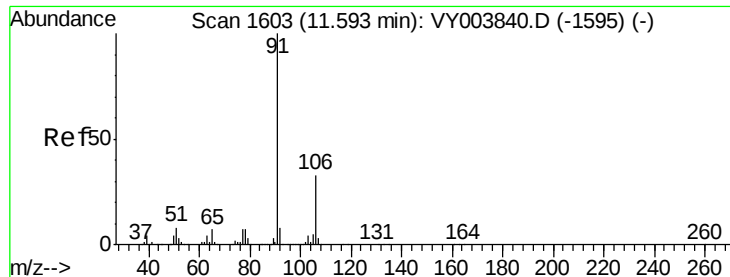
#52
Chlorobenzene
Concen: 5.194 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VY003839.D
Acq: 23 Dec 2020 16:01

Tgt Ion:112 Resp: 52173
Ion Ratio Lower Upper
112 100
77 50.7 39.7 59.5
114 35.9 22.5 41.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): VYD
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 4.891 ug/L

RT: 11.59 min Scan# 1602

Delta R.T. -0.01 min

Lab File: VY003839.D

Acq: 23 Dec 2020 16:01

Instrument :

MSVOA_Y

ClientSampleId :

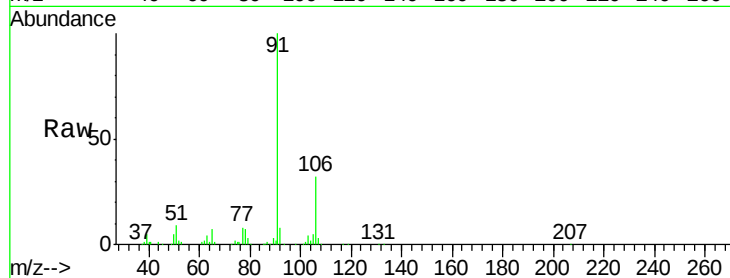
VSTD00580

Tgt Ion: 91 Resp: 83073

Ion Ratio Lower Upper

91 100

106 31.7 23.2 43.0



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

Ion 106.00 (105.70 to 106.70): VY003840.D (-1595) (-)

11.59

60000

50000

40000

30000

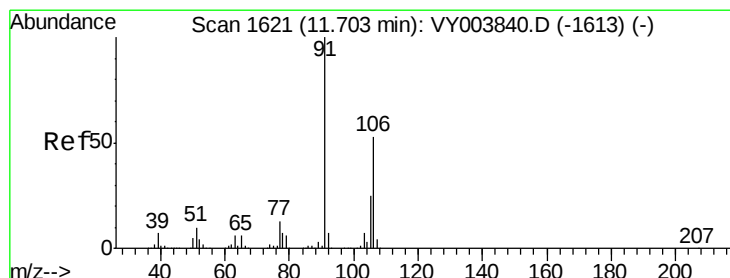
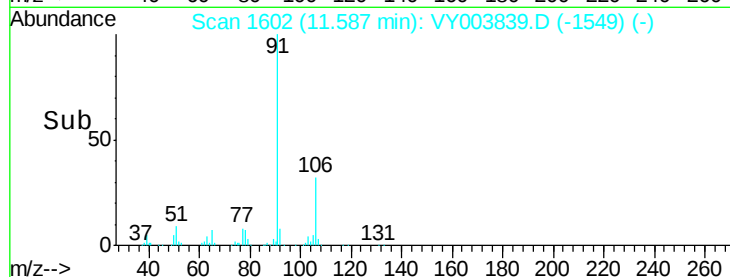
20000

10000

0

Time-->

11.55 11.60 11.65



#54

m,p-Xylene

Concen: 5.108 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VY003839.D

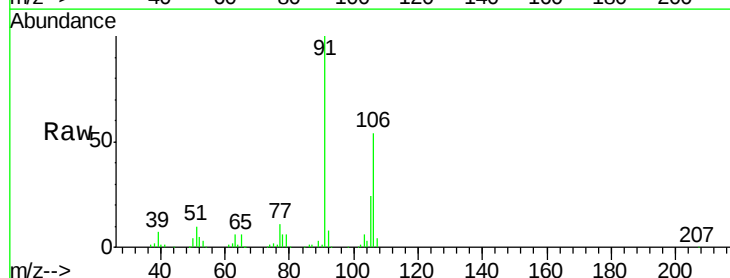
Acq: 23 Dec 2020 16:01

Tgt Ion: 106 Resp: 33720

Ion Ratio Lower Upper

106 100

91 186.7 131.3 243.9



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

Ion 91.00 (90.70 to 91.70): VY003840.D (-1613) (-)

11.70

40000

30000

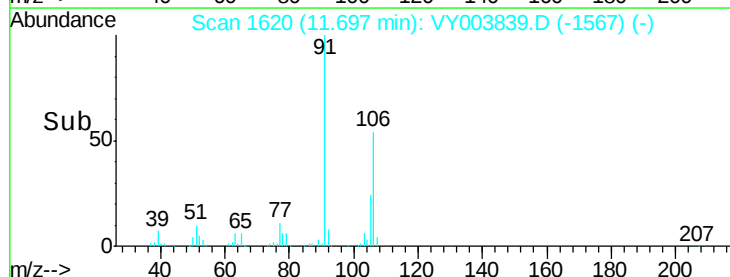
20000

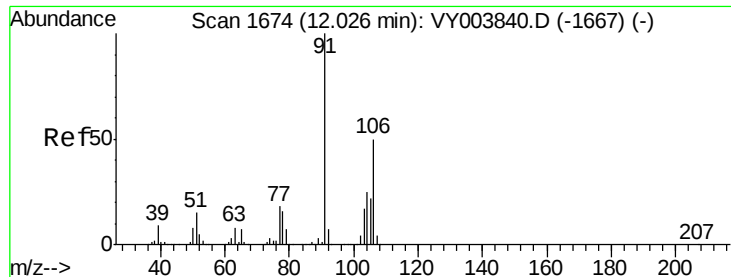
10000

0

Time-->

11.65 11.70 11.75





#55

o-xylene

Concen: 5.064 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VY003839.D

Acq: 23 Dec 2020 16:01

Instrument :

MSVOA_Y

ClientSampleId :

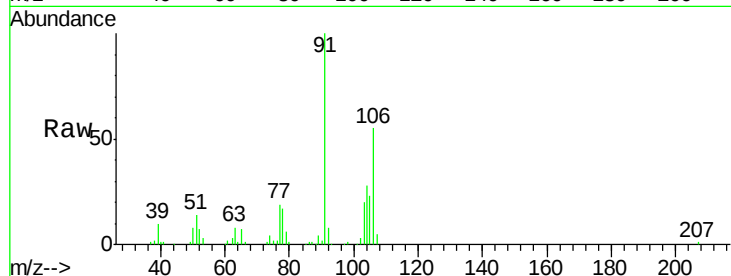
VSTD00580

Tgt Ion:106 Resp: 31351

Ion Ratio Lower Upper

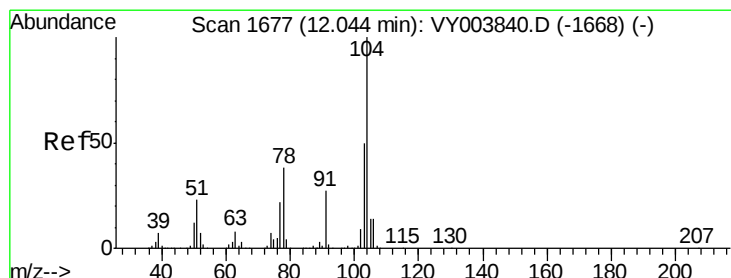
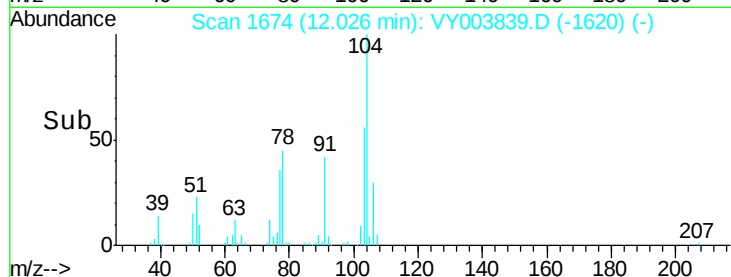
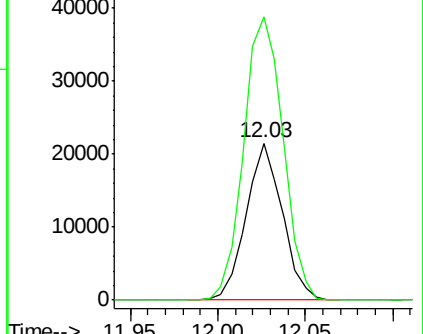
106 100

91 180.3 140.2 260.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 4.893 ug/L

RT: 12.04 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VY003839.D

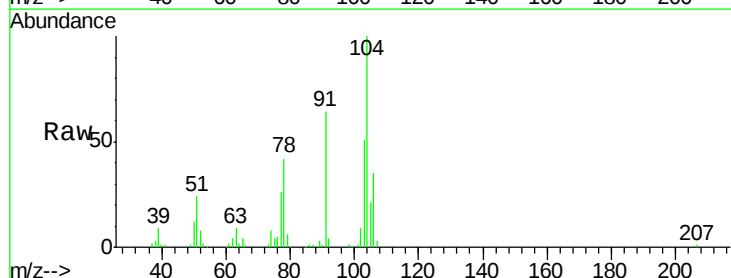
Acq: 23 Dec 2020 16:01

Tgt Ion:104 Resp: 51880

Ion Ratio Lower Upper

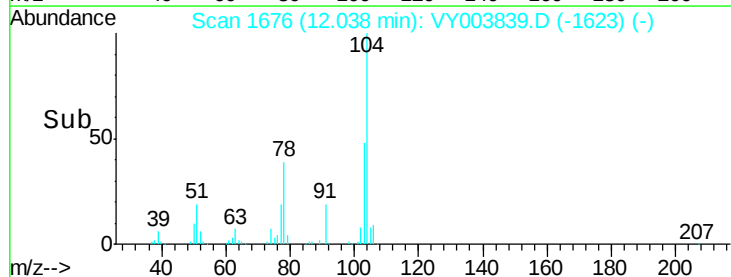
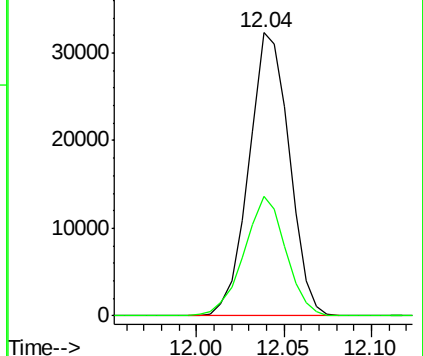
104 100

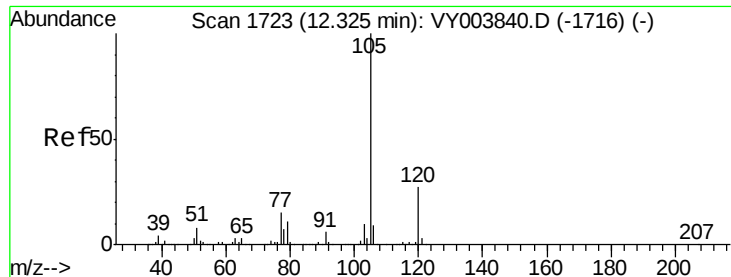
78 42.3 26.7 49.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 4.558 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. -0.00 min

Lab File: VY003839.D

Acq: 23 Dec 2020 16:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00580

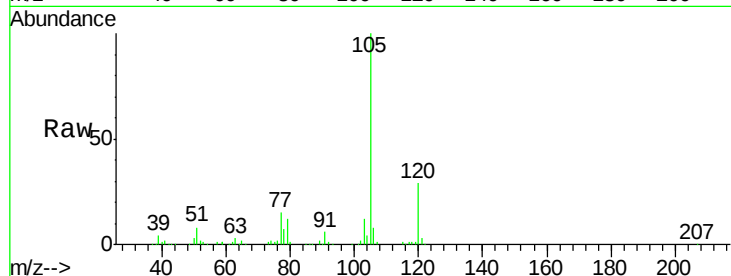
Tgt Ion: 105 Resp: 75324

Ion Ratio Lower Upper

105 100

120 28.8 22.6 34.0

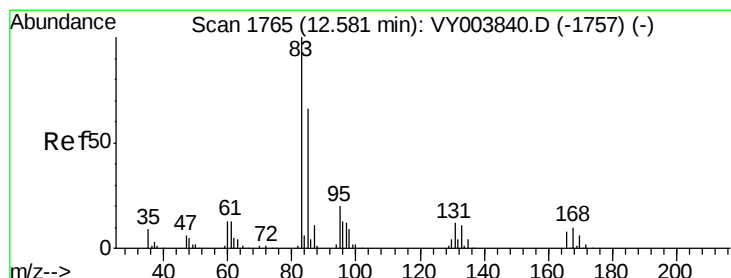
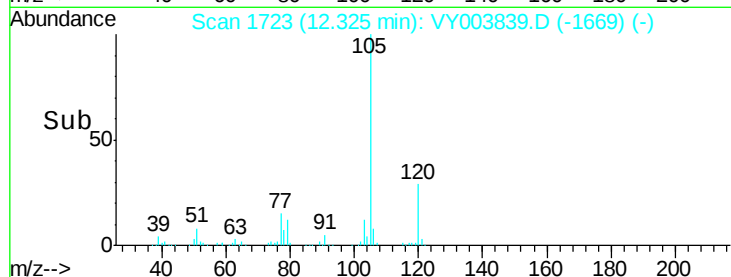
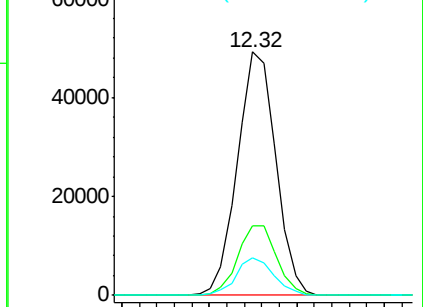
77 15.2 11.7 17.5



Abundance Ion 105.00 (104.70 to 105.70): VY003839.D (-1669) (-)

Ion 120.00 (119.70 to 120.70): VY003839.D (-1669) (-)

Ion 77.00 (76.70 to 77.70): VY003839.D (-1669) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.197 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.00 min

Lab File: VY003839.D

Acq: 23 Dec 2020 16:01

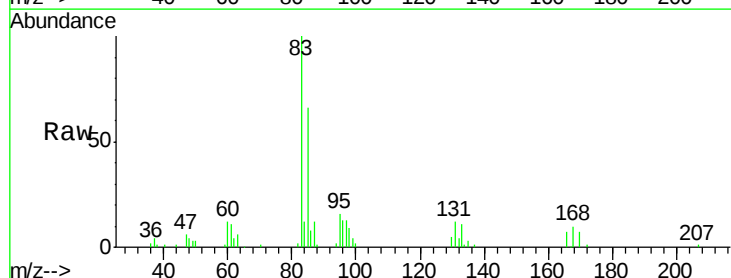
Tgt Ion: 83 Resp: 17973

Ion Ratio Lower Upper

83 100

85 65.7 46.1 85.5

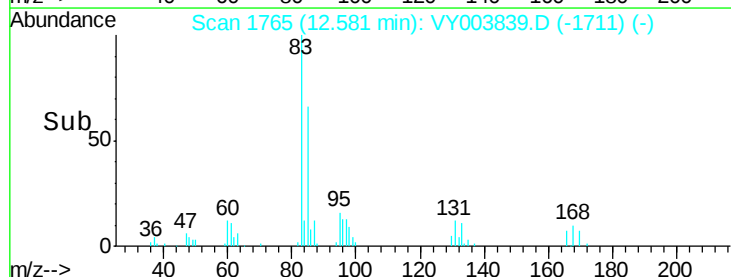
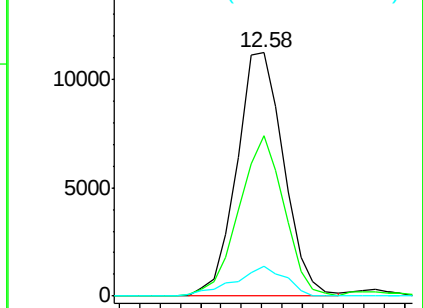
131 12.0 9.4 14.0

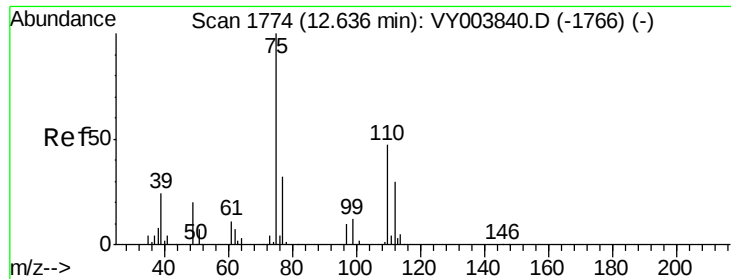


Abundance Ion 83.00 (82.70 to 83.70): VY003839.D (-1711) (-)

Ion 85.00 (84.70 to 85.70): VY003839.D (-1711) (-)

Ion 131.00 (130.70 to 131.70): VY003839.D (-1711) (-)

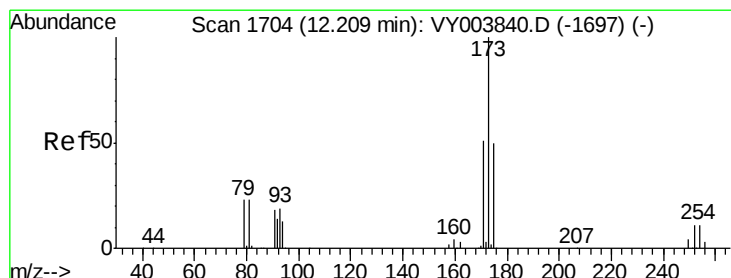
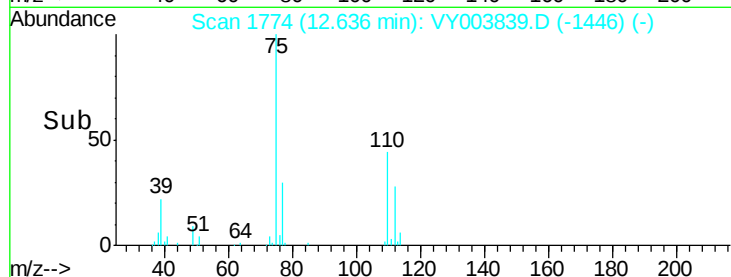
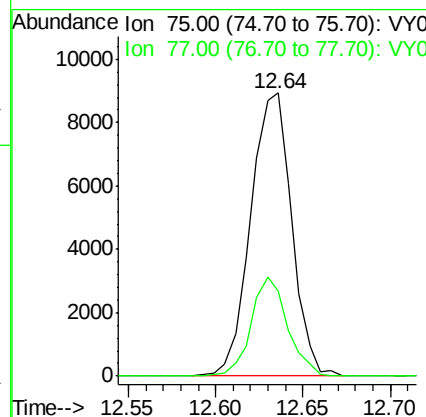
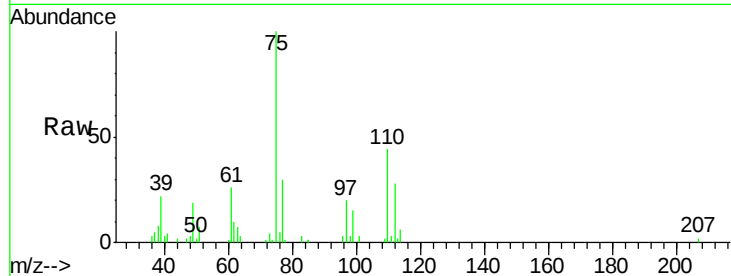




#59
 1,2,3-Trichloropropane
 Concen: 5.043 ug/L
 RT: 12.64 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VY003839.D
 Acq: 23 Dec 2020 16:01

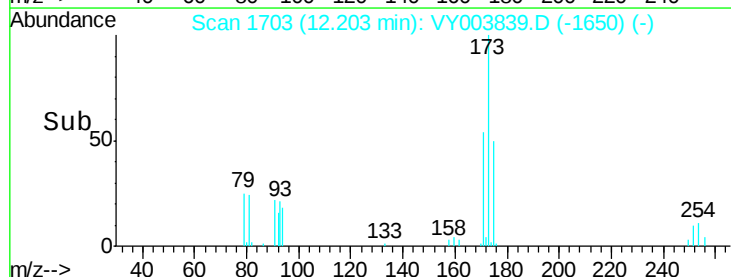
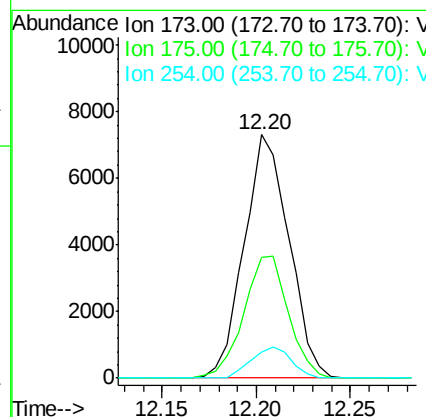
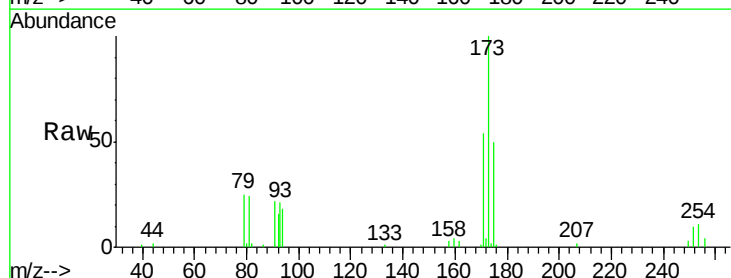
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00580

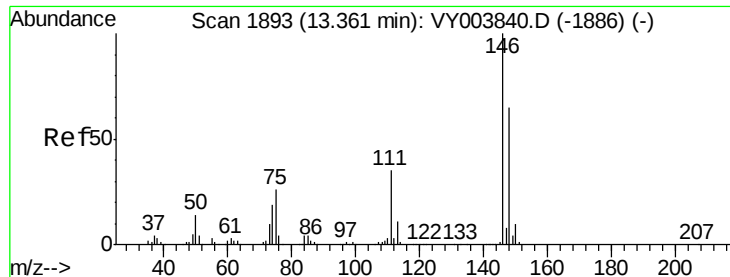
Tgt Ion: 75 Resp: 14672
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.8 38.8



#62
 Bromoform
 Concen: 4.622 ug/L
 RT: 12.20 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: VY003839.D
 Acq: 23 Dec 2020 16:01

Tgt Ion: 173 Resp: 12079
 Ion Ratio Lower Upper
 173 100
 175 49.8 39.4 59.0
 254 11.3 8.1 12.1

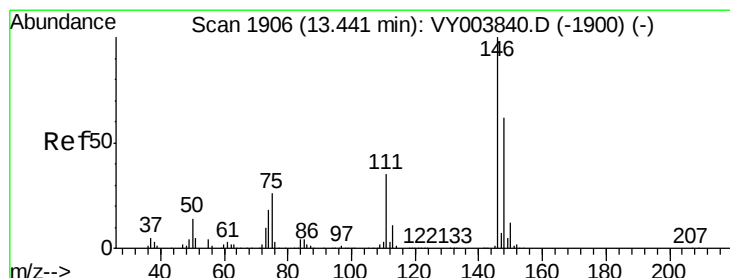
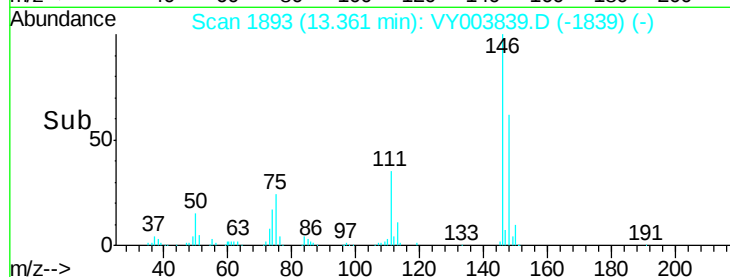
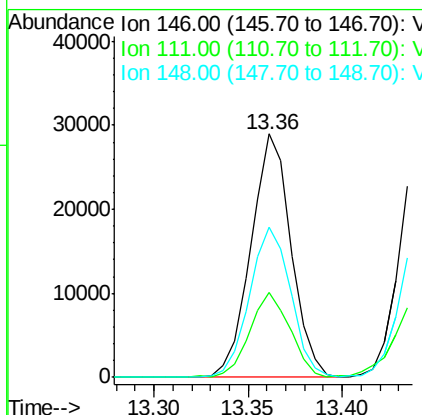
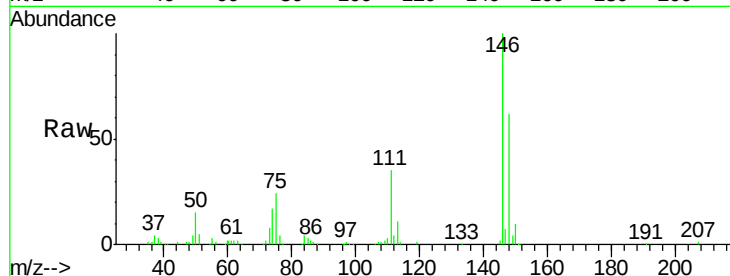




#63
 1,3-Dichlorobenzene
 Concen: 5.190 ug/L
 RT: 13.36 min Scan# 1893
 Delta R.T. -0.00 min
 Lab File: VY003839.D
 Acq: 23 Dec 2020 16:01

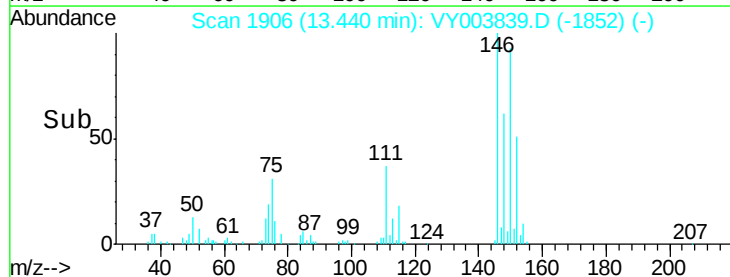
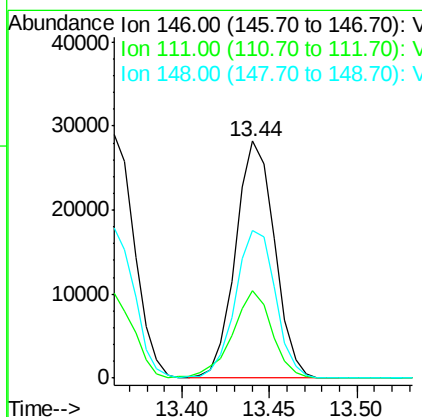
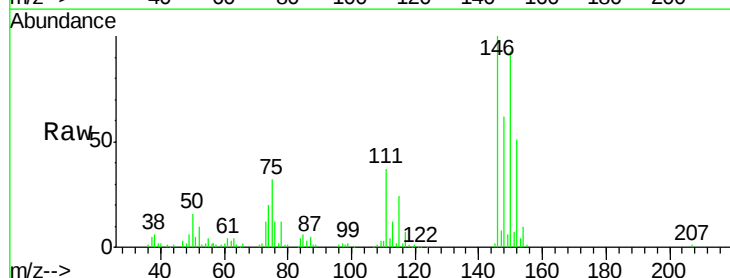
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00580

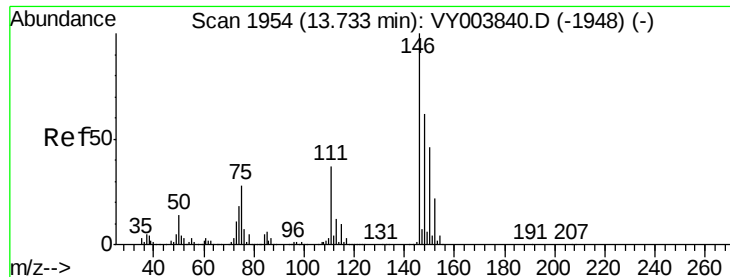
Tgt Ion:146 Resp: 42775
 Ion Ratio Lower Upper
 146 100
 111 35.0 24.4 45.2
 148 61.8 45.4 84.4



#64
 1,4-Dichlorobenzene
 Concen: 5.200 ug/L
 RT: 13.44 min Scan# 1906
 Delta R.T. -0.00 min
 Lab File: VY003839.D
 Acq: 23 Dec 2020 16:01

Tgt Ion:146 Resp: 43910
 Ion Ratio Lower Upper
 146 100
 111 36.7 24.6 45.6
 148 62.0 43.3 80.3

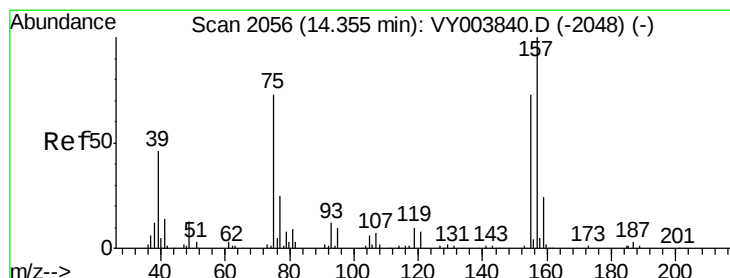
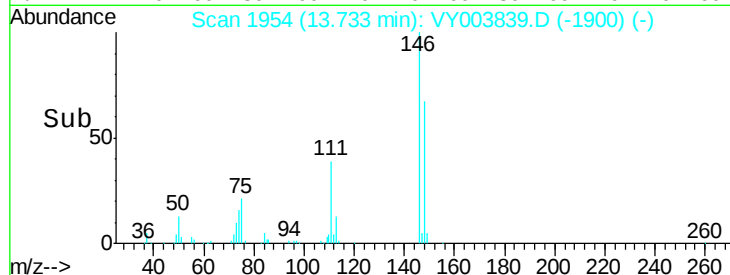
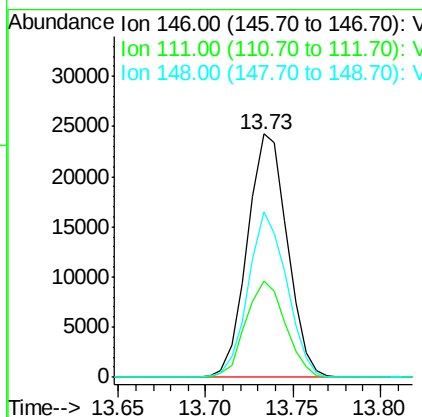
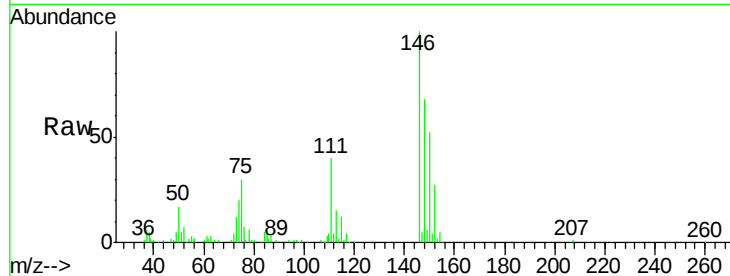




#65
 1,2-Dichlorobenzene
 Concen: 5.052 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VY003839.D
 Acq: 23 Dec 2020 16:01

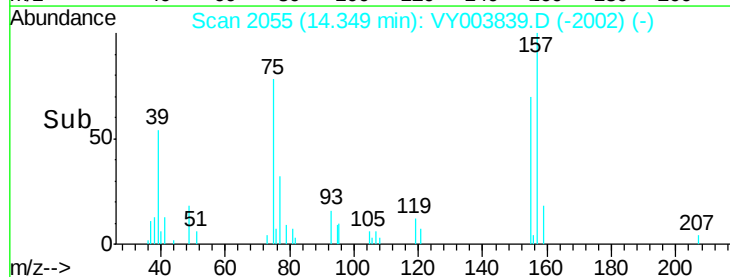
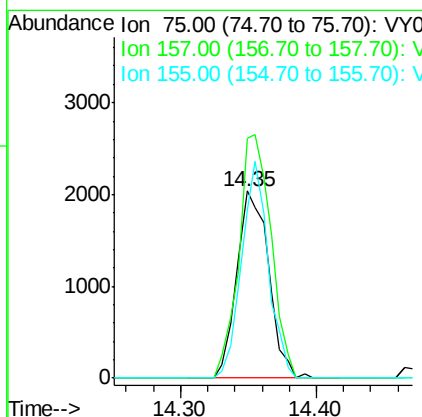
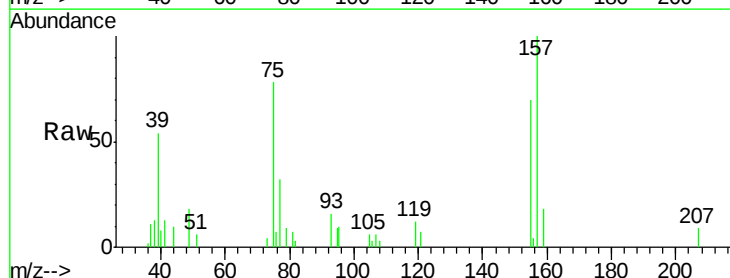
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00580

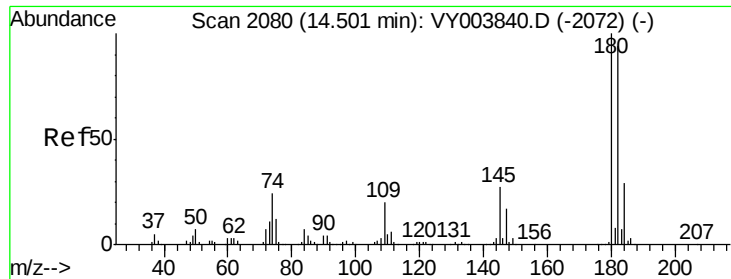
Tgt Ion: 146 Resp: 38757
 Ion Ratio Lower Upper
 146 100
 111 39.6 29.8 44.8
 148 68.0 49.8 74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.560 ug/L
 RT: 14.35 min Scan# 2055
 Delta R.T. -0.01 min
 Lab File: VY003839.D
 Acq: 23 Dec 2020 16:01

Tgt Ion: 75 Resp: 3330
 Ion Ratio Lower Upper
 75 100
 157 128.2 109.7 164.5
 155 90.1 80.0 120.0





#67

1,3,5-Trichlorobenzene

Concen: 5.343 ug/L

RT: 14.50 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VY003839.D

Acq: 23 Dec 2020 16:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00580

Tgt Ion:180 Resp: 31123

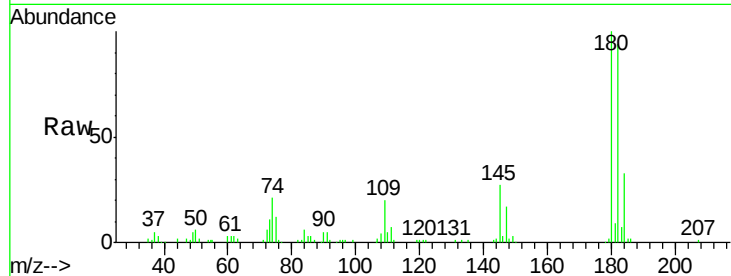
Ion Ratio Lower Upper

180 100

182 97.4 76.0 114.0

184 30.4 24.1 36.1

145 28.4 22.0 33.0

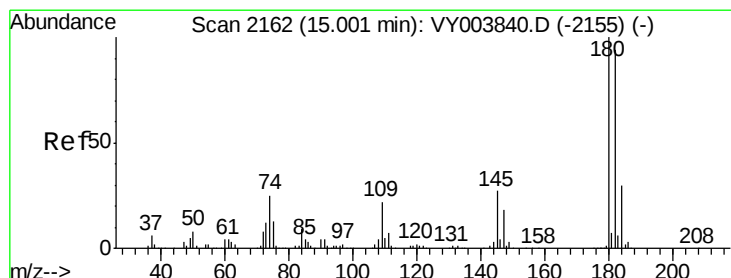
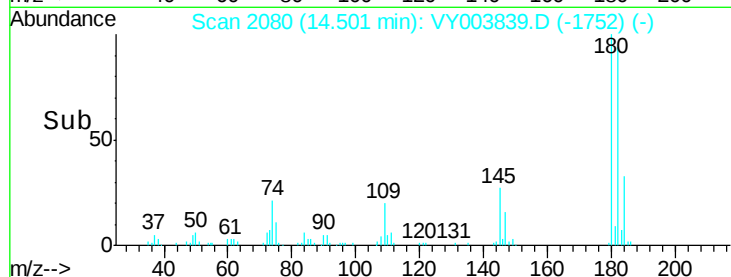
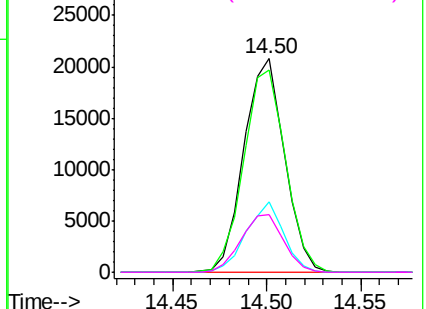


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 5.218 ug/L

RT: 15.00 min Scan# 2162

Delta R.T. -0.00 min

Lab File: VY003839.D

Acq: 23 Dec 2020 16:01

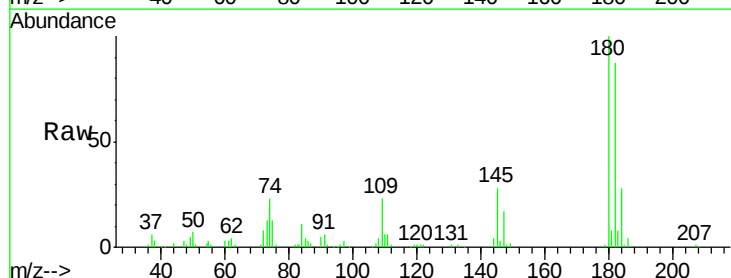
Tgt Ion:180 Resp: 26022

Ion Ratio Lower Upper

180 100

182 93.3 75.2 112.8

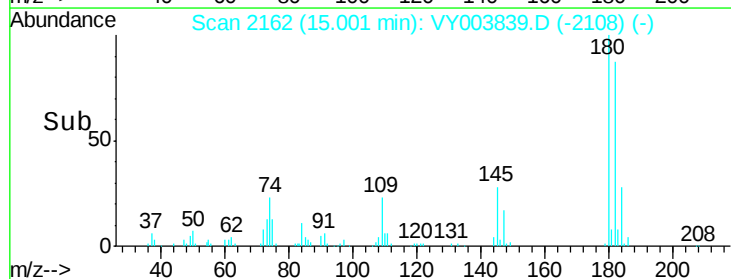
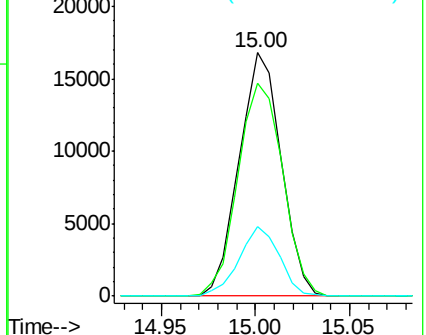
145 27.3 22.2 33.2

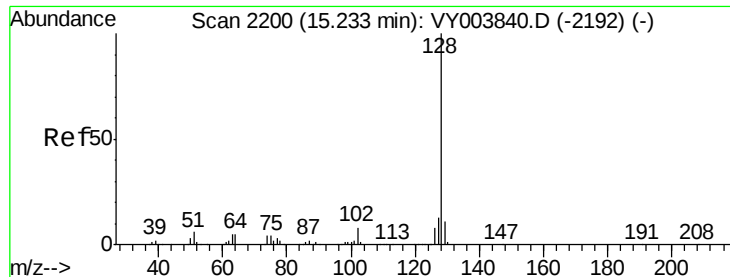


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 4.823 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VY003839.D

Acq: 23 Dec 2020 16:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00580

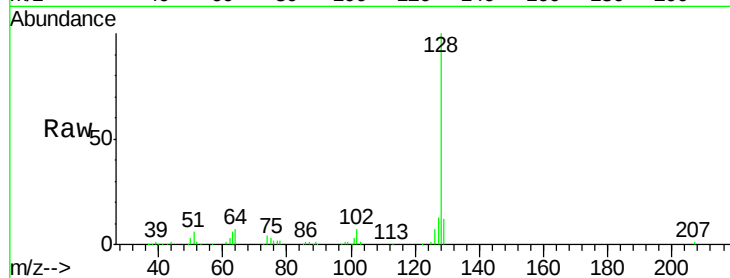
Tgt Ion:128 Resp: 53790

Ion Ratio Lower Upper

128 100

129 10.4 8.6 13.0

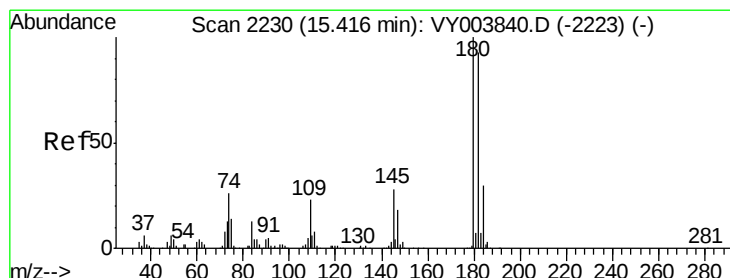
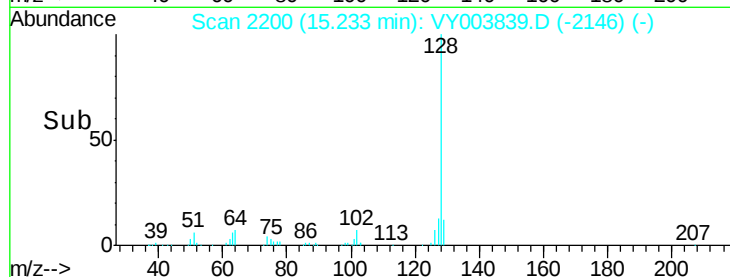
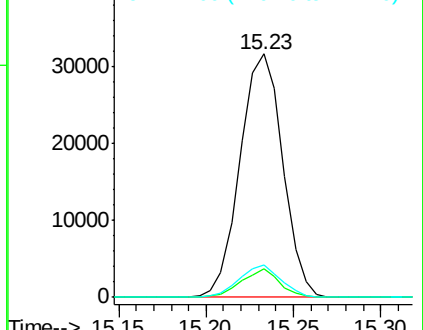
127 13.0 10.7 16.1



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: 5.185 ug/L

RT: 15.42 min Scan# 2230

Delta R.T. -0.00 min

Lab File: VY003839.D

Acq: 23 Dec 2020 16:01

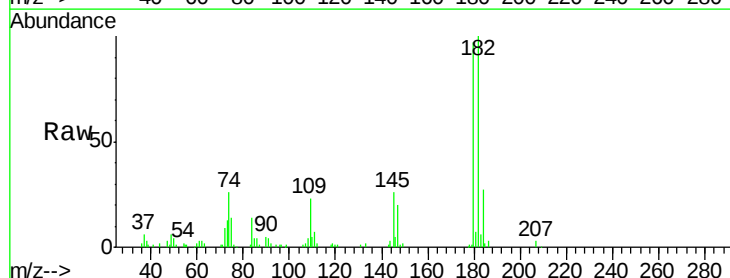
Tgt Ion:180 Resp: 23416

Ion Ratio Lower Upper

180 100

182 97.4 76.5 114.7

145 28.4 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

