

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120820\
 Data File : VY003686.D
 Acq On : 08 Dec 2020 19:23
 Operator : SY/MD
 Sample : L4979-04
 Misc : 4.85G/10ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F6

Quant Time: Dec 09 02:01:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 09 01:58:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	138492	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	88053	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	19174	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	57166	29.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.76%
7) Chloroethane-d5	2.77	69	45006	30.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	121.84%
10) 1,1-Dichloroethene-d2	3.86	63	78602	21.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.32%
20) 2-Butanone-d5	6.91	46	30827	44.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.30%
24) Chloroform-d	7.49	84	98313	27.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.36%
26) 1,2-Dichloroethane-d4	8.15	65	54425	27.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.56%
29) Benzene-d6	8.12	84	200661	39.36	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	157.44%#
33) 1,2-Dichloropropane-d6	9.12	67	57426	38.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	152.28%#
37) Toluene-d8	10.18	98	142209	31.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	124.48%
38) trans-1,3-Dichloropropene-	10.44	79	22133	30.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	122.80%
39) 2-Hexanone-d5	10.79	63	21509	56.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.82%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	30378	22.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.40%
61) 1,2-Dichlorobenzene-d4	13.72	152	17151	24.62	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.48%

Target Compounds

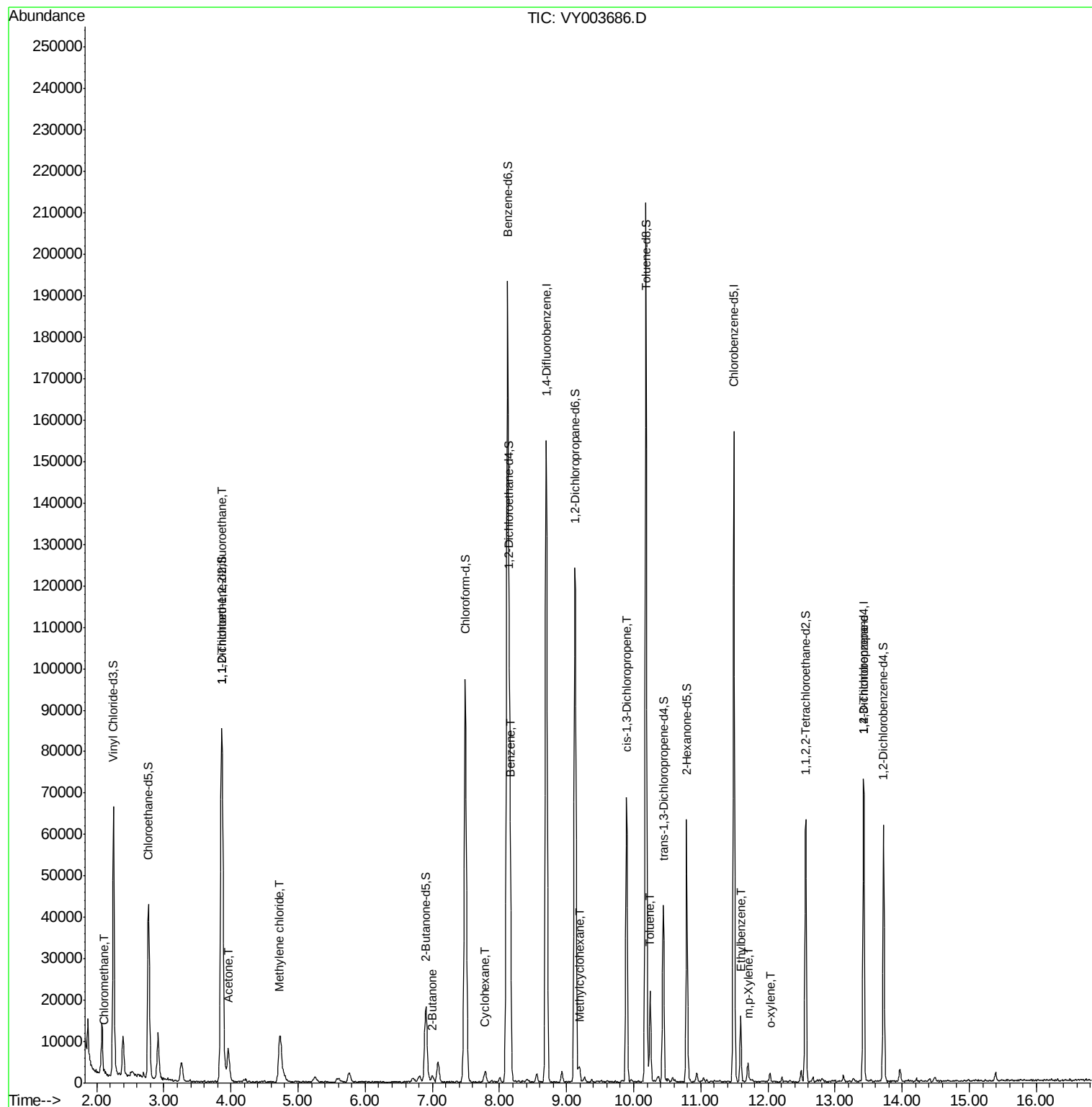
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	2.11	50	492	0.291	ug/L	87
11) 1,1,2-Trichloro-1,2,2-trif	3.86	101	710	0.404	ug/L #	17
13) Acetone	3.96	43	12220	23.876	ug/L	99
16) Methylene chloride	4.72	84	8581	3.529	ug/L	84
21) 2-Butanone	7.00	43	1562	1.728	ug/L	97
30) Cyclohexane	7.79	56	1155	0.609	ug/L #	88
34) Benzene	8.17	78	3509	0.697	ug/L	100
36) Methylcyclohexane	9.19	83	1369	0.646	ug/L #	77
42) cis-1,3-Dichloropropene	9.90	75	1810	0.910	ug/L	87
44) Toluene	10.25	91	15501	2.917	ug/L	92
53) Ethylbenzene	11.59	91	10991	1.895	ug/L	94
54) m,p-Xylene	11.70	106	1607	0.718	ug/L	63
55) o-xylene	12.03	106	645	0.301	ug/L	75
59) 1,2,3-Trichloropropane	13.42	75	2410	2.308	ug/L	97

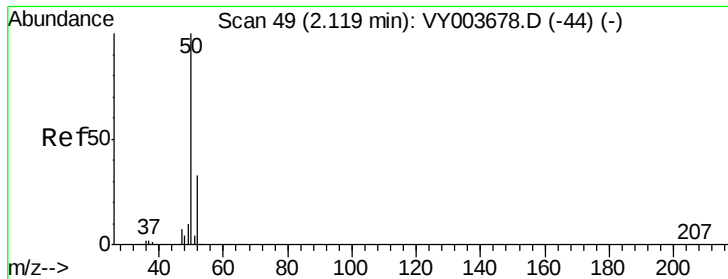
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Dec 09 01:58:23 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.291 ug/L

RT: 2.11 min Scan# 48

Delta R.T. -0.01 min

Lab File: VY003686.D

Acq: 08 Dec 2020 19:23

Instrument :

MSVOA_Y

ClientSampleId :

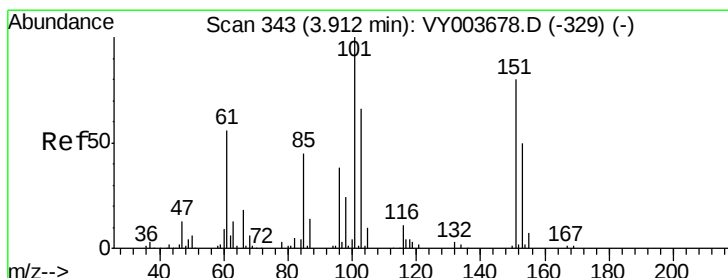
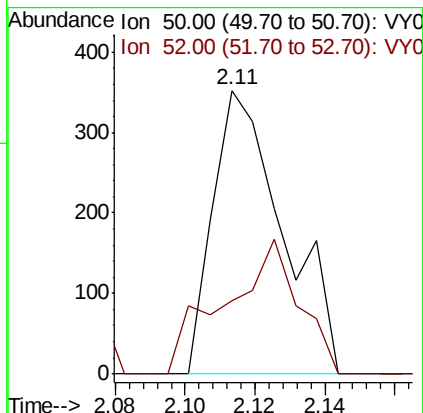
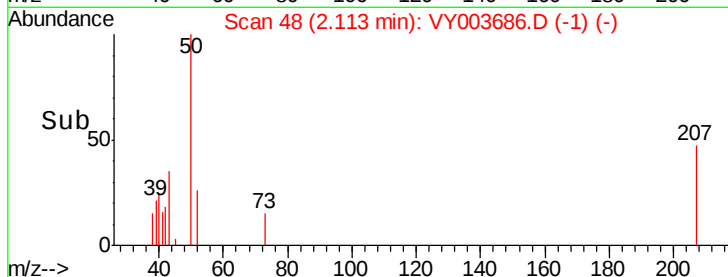
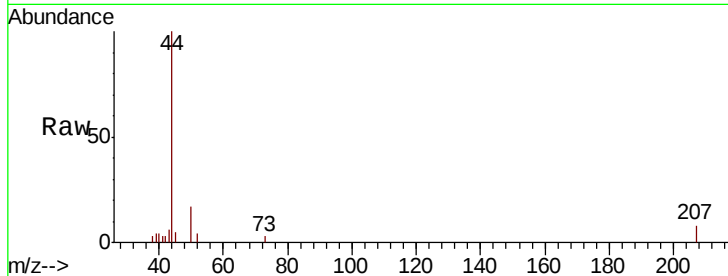
GB1F6

Tot Ion: 50 Resp: 492

Ion Ratio Lower Upper

50 100

52 25.9 23.1 42.9



#11

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

Concen: 0.404 ug/L

RT: 3.86 min Scan# 335

Delta R.T. -0.05 min

Lab File: VY003686.D

Acq: 08 Dec 2020 19:23

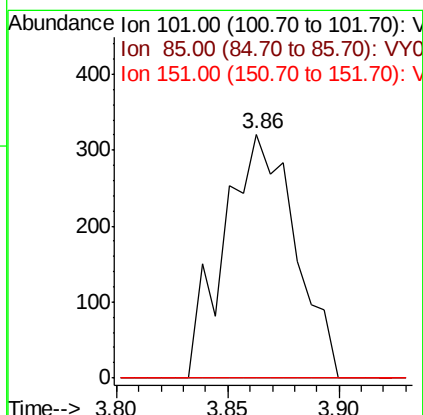
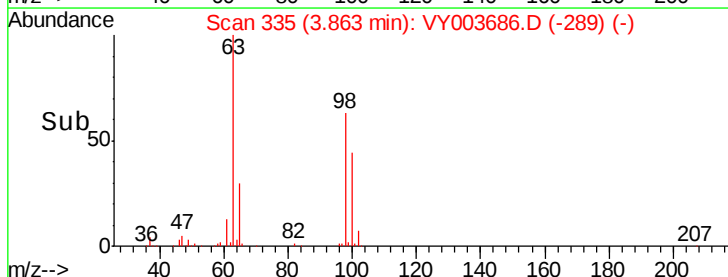
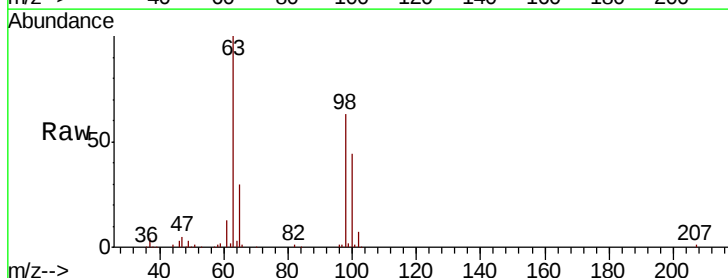
Tgt Ion: 101 Resp: 710

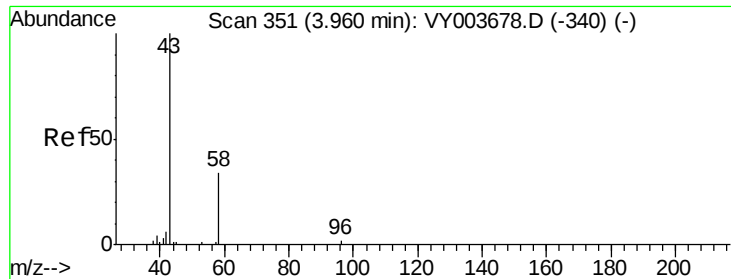
Ion Ratio Lower Upper

101 100

85 0.0 33.9 50.9#

151 0.0 65.0 97.4#





#13

Acetone

Concen: 23.876 ug/L

RT: 3.96 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY003686.D

Acq: 08 Dec 2020 19:23

Instrument :

MSVOA_Y

ClientSampleId :

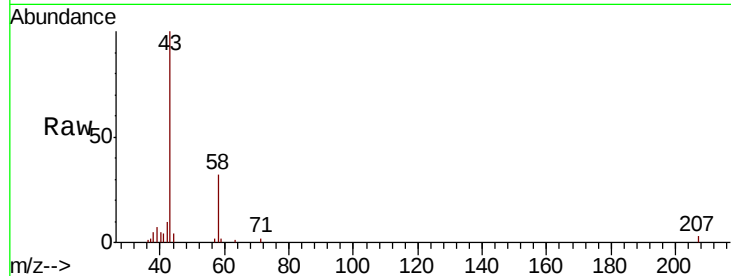
GB1F6

Tot Ion: 43 Resp: 12220

Ion Ratio Lower Upper

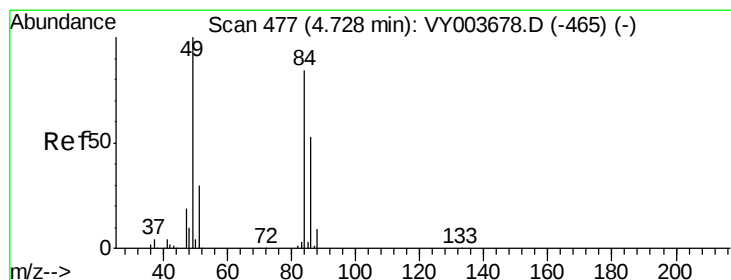
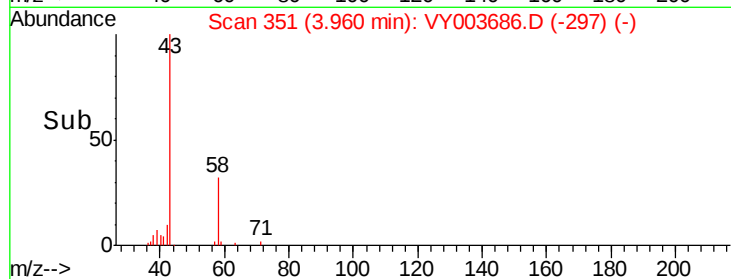
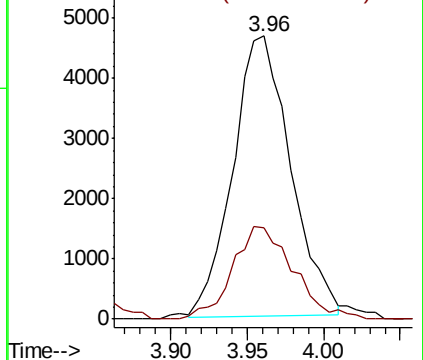
43 100

58 33.8 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#16

Methylene chloride

Concen: 3.529 ug/L

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VY003686.D

Acq: 08 Dec 2020 19:23

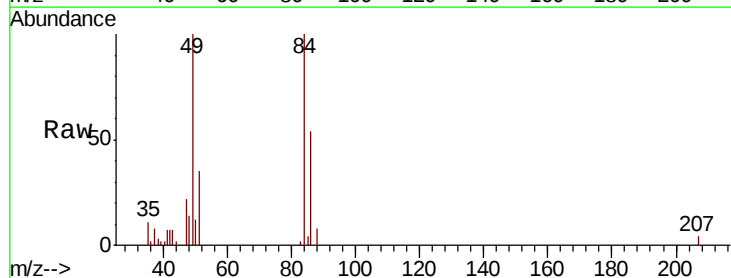
Tgt Ion: 84 Resp: 8581

Ion Ratio Lower Upper

84 100

49 99.7 83.7 155.4

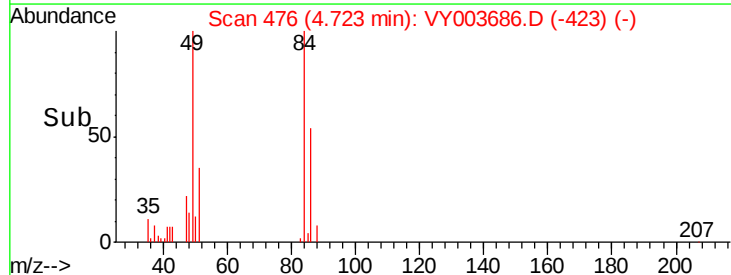
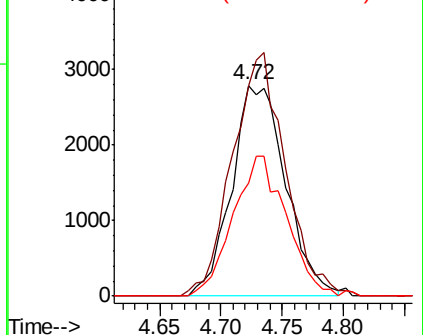
86 53.7 45.0 83.6

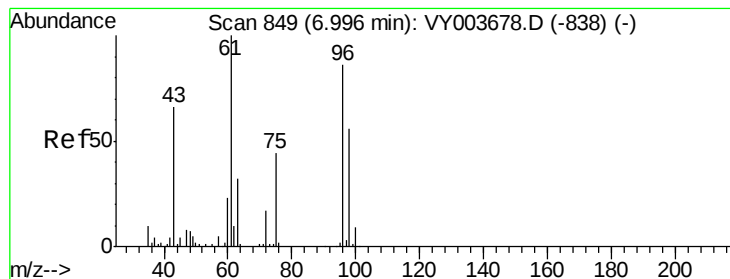


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0





#21

2-Butanone

Concen: 1.728 ug/L

RT: 7.00 min Scan# 850

Delta R.T. 0.01 min

Lab File: VY003686.D

Acq: 08 Dec 2020 19:23

Instrument :

MSVOA_Y

ClientSampleId :

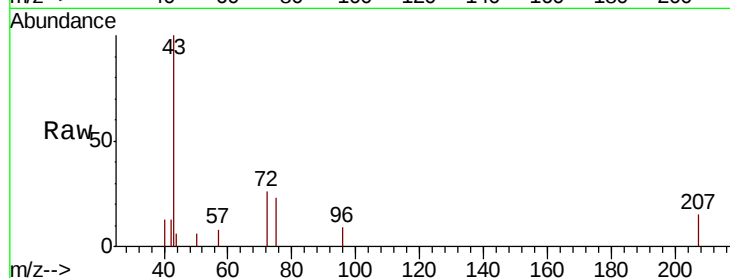
GB1F6

Tot Ion: 43 Resp: 1562

Ion Ratio Lower Upper

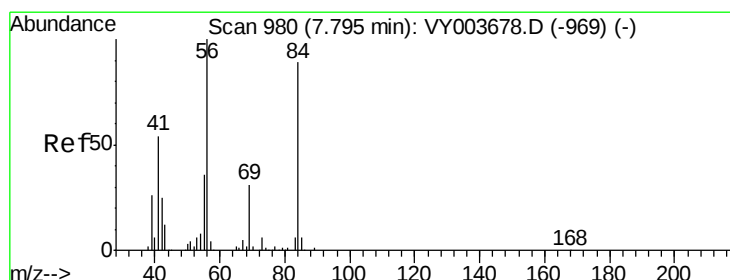
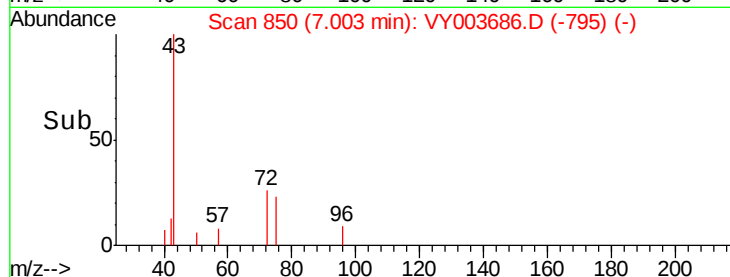
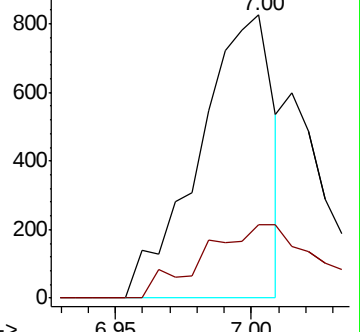
43 100

72 25.0 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#30

Cyclohexane

Concen: 0.609 ug/L

RT: 7.79 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY003686.D

Acq: 08 Dec 2020 19:23

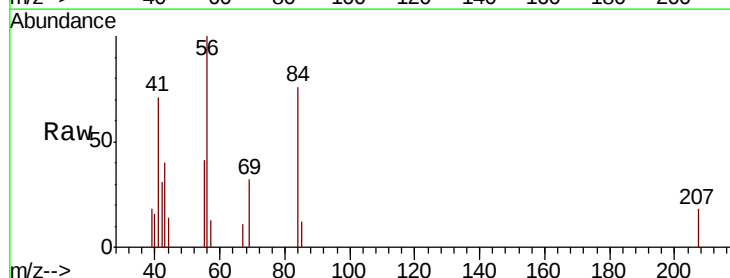
Tgt Ion: 56 Resp: 1155

Ion Ratio Lower Upper

56 100

69 16.5 23.8 35.8#

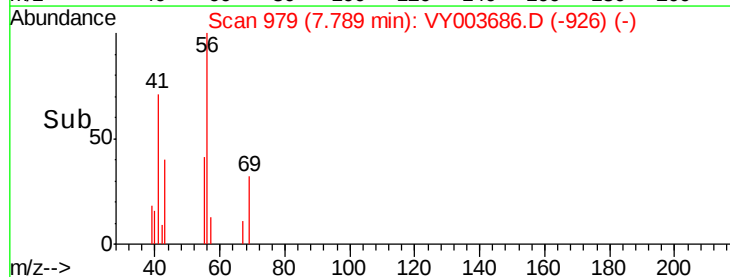
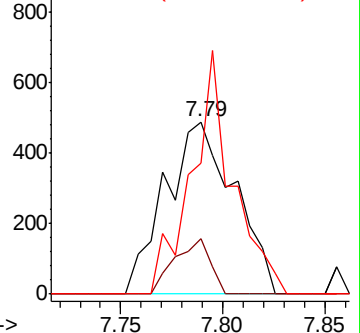
84 83.5 73.2 109.8

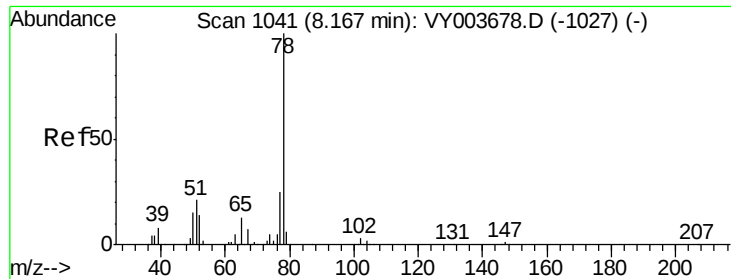


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#34

Benzene

Concen: 0.697 ug/L

RT: 8.17 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VY003686.D

Acq: 08 Dec 2020 19:23

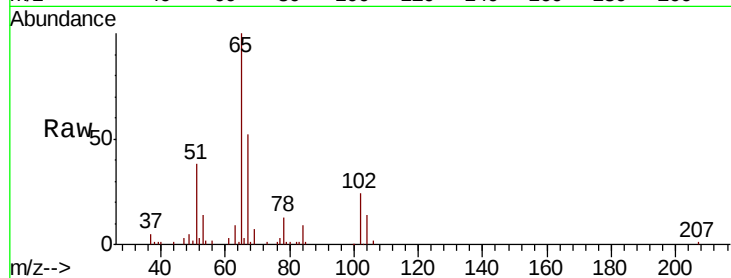
Instrument :

MSVOA_Y

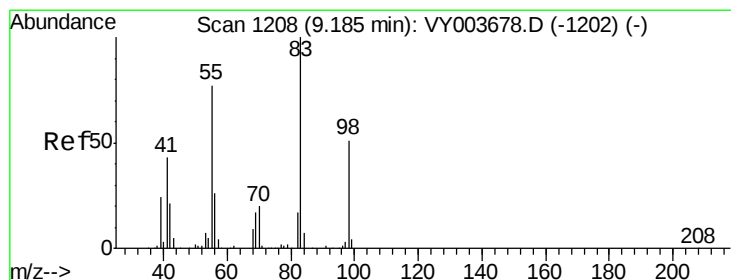
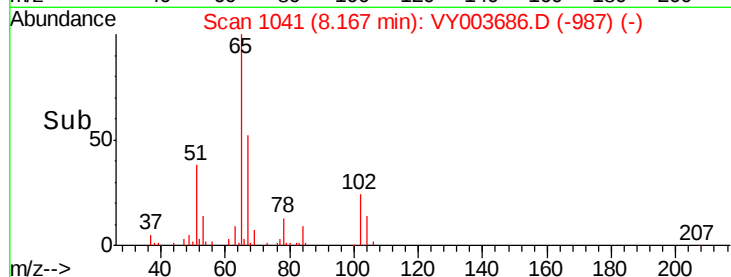
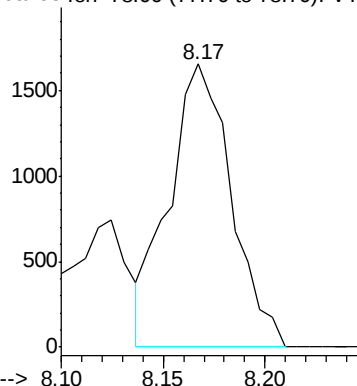
ClientSampleId :

GB1F6

Tgt Ion: 78 Resp: 3509



Abundance Ion 78.00 (77.70 to 78.70): VY0



#36

Methylcyclohexane

Concen: 0.646 ug/L

RT: 9.19 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VY003686.D

Acq: 08 Dec 2020 19:23

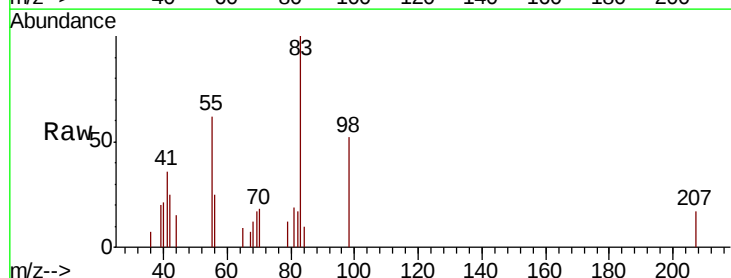
Tgt Ion: 83 Resp: 1369

Ion Ratio Lower Upper

83 100

55 45.1 56.4 84.6#

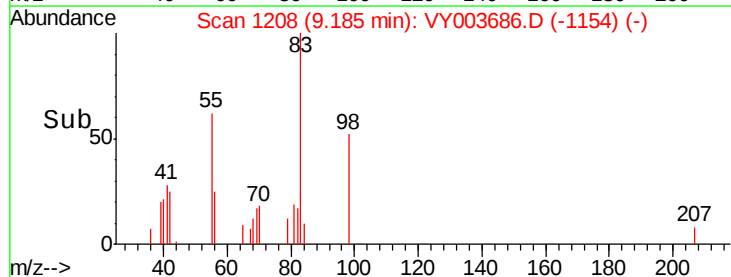
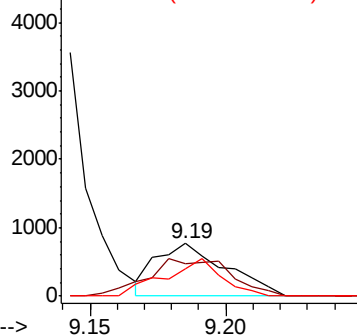
98 58.1 40.3 60.5

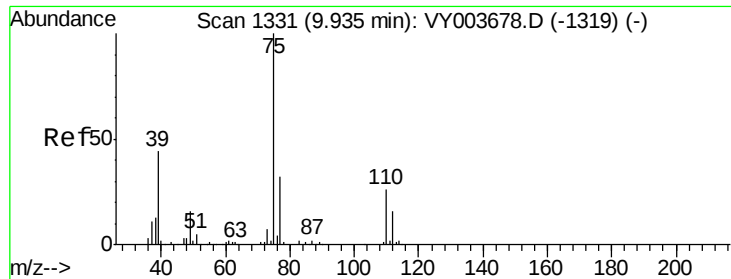


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#42

cis-1,3-Dichloropropene

Concen: 0.910 ug/L

RT: 9.90 min Scan# 1325

Delta R.T. -0.04 min

Lab File: VY003686.D

Acq: 08 Dec 2020 19:23

Instrument :

MSVOA_Y

ClientSampleId :

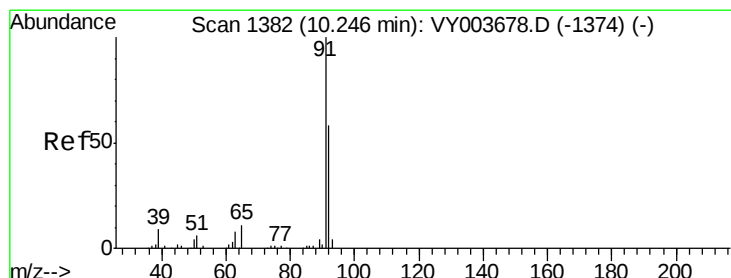
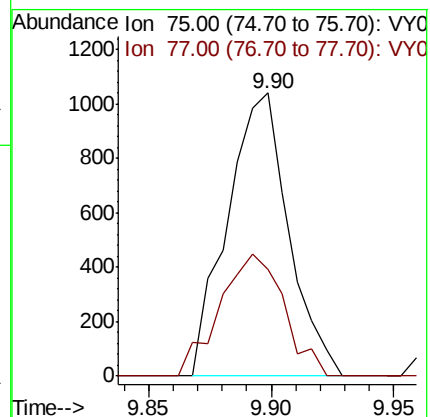
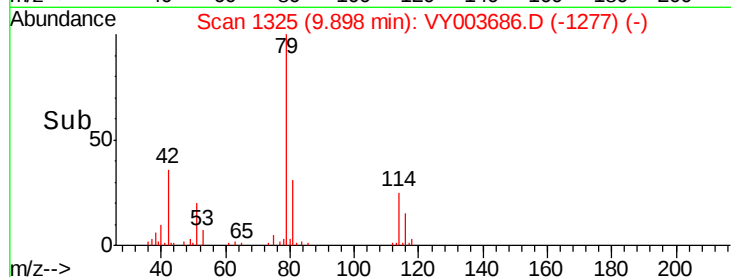
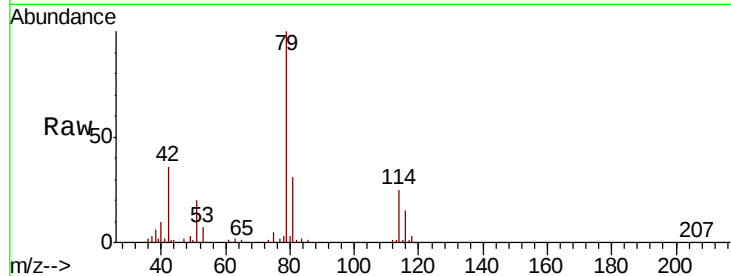
GB1F6

Tot Ion: 75 Resp: 1810

Ion Ratio Lower Upper

75 100

77 37.7 21.3 39.6



#44

Toluene

Concen: 2.917 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003686.D

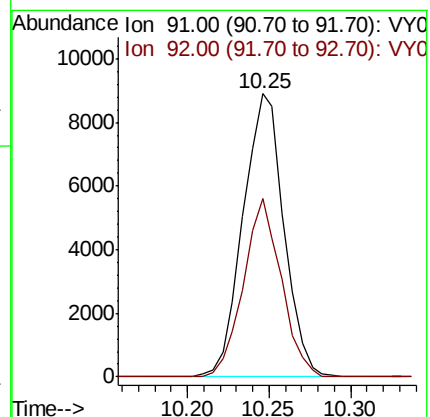
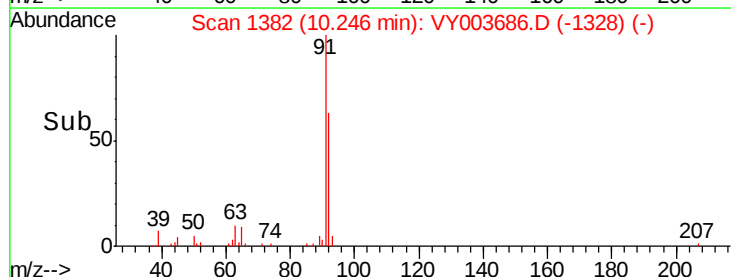
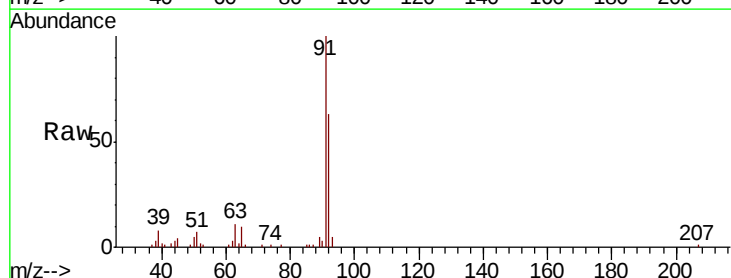
Acq: 08 Dec 2020 19:23

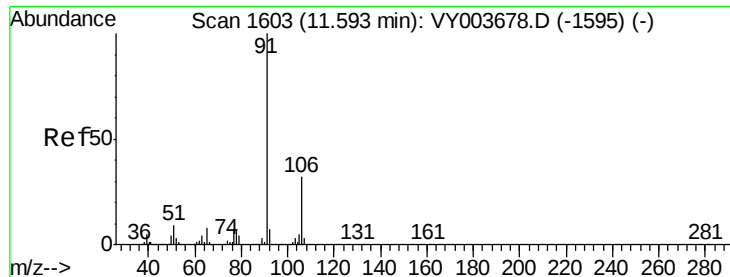
Tgt Ion: 91 Resp: 15501

Ion Ratio Lower Upper

91 100

92 62.9 39.8 73.8





#53

Ethylbenzene

Concen: 1.895 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003686.D

Acq: 08 Dec 2020 19:23

Instrument :

MSVOA_Y

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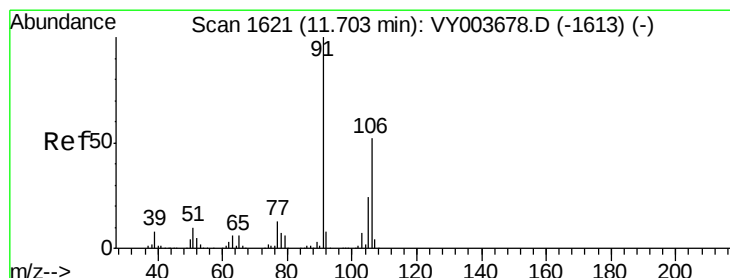
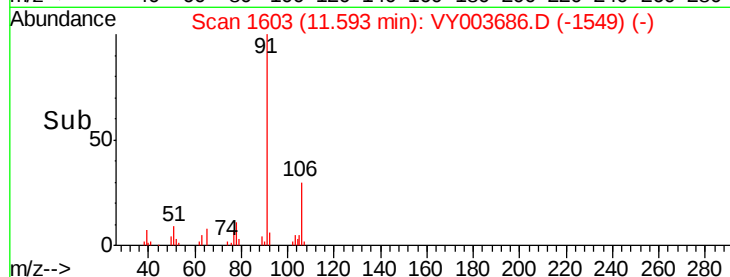
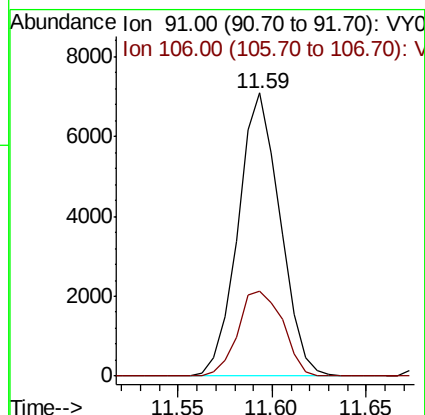
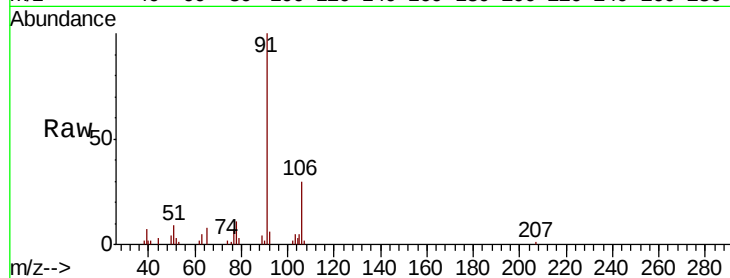
GB1F6

Tot Ion: 91 Resp: 10991

Ion Ratio Lower Upper

91 100

106 29.8 23.3 43.3



#54

m,p-Xylene

Concen: 0.718 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VY003686.D

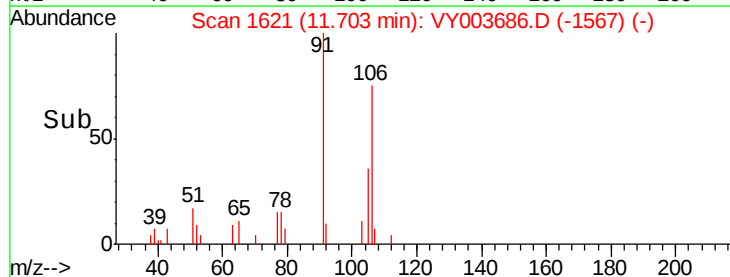
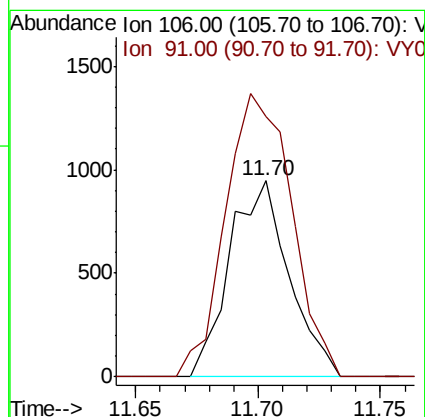
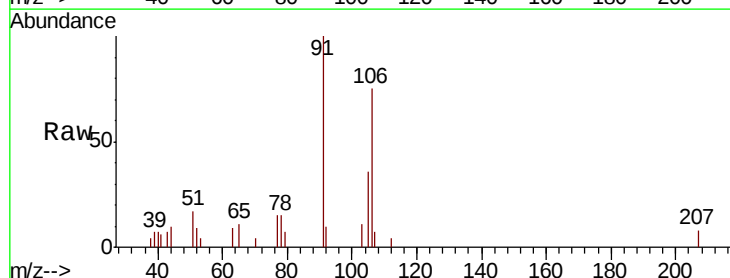
Acq: 08 Dec 2020 19:23

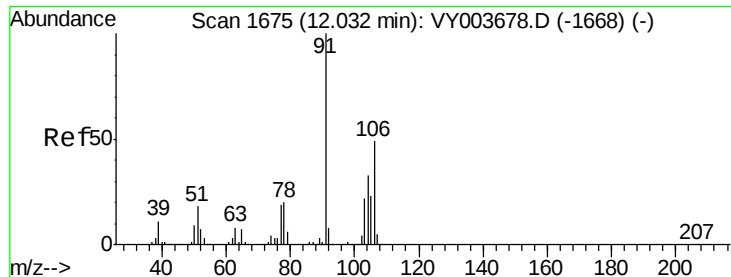
Tgt Ion: 106 Resp: 1607

Ion Ratio Lower Upper

106 100

91 133.1 131.3 243.9

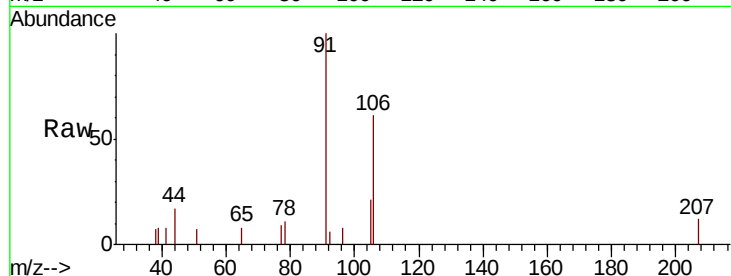




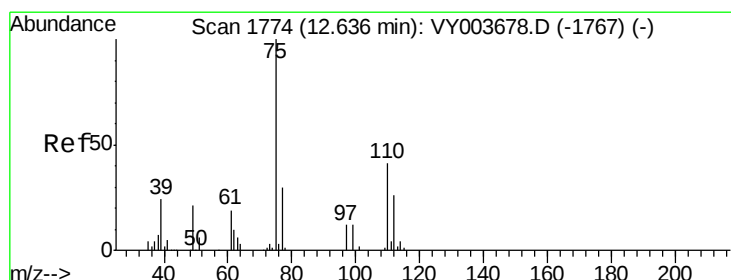
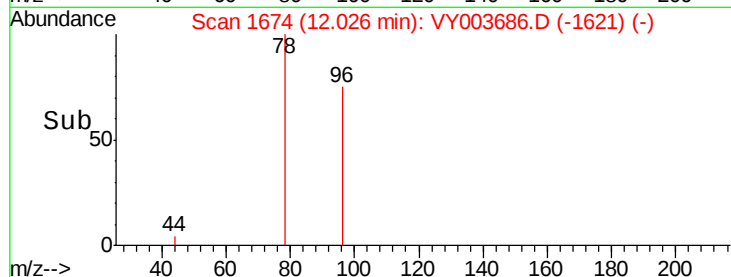
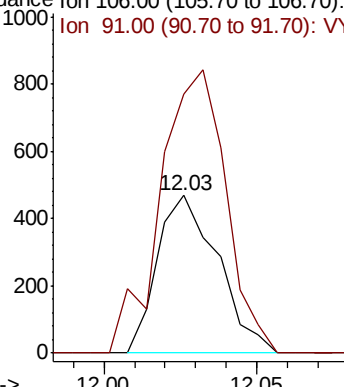
#55
o-xylene
Concen: 0.301 ug/L
RT: 12.03 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VY003686.D
Acq: 08 Dec 2020 19:23

Instrument :
MSVOA_Y
ClientSampleId :
GB1F6

Tot Ion:106 Resp: 645
Ion Ratio Lower Upper
106 100
91 164.7 141.7 263.3

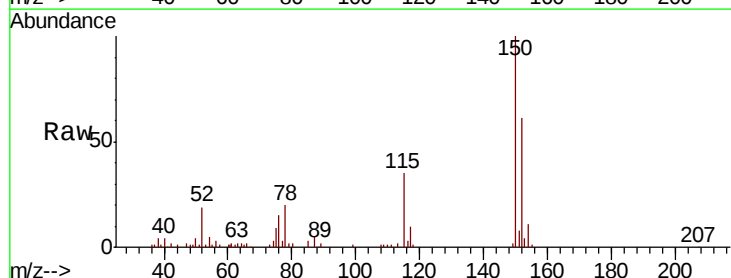


Abundance Ion 106.00 (105.70 to 106.70): VY0
Ion 91.00 (90.70 to 91.70): VY0



#59
1,2,3-Trichloropropane
Concen: 2.308 ug/L
RT: 13.42 min Scan# 1903
Delta R.T. 0.79 min
Lab File: VY003686.D
Acq: 08 Dec 2020 19:23

Tgt Ion: 75 Resp: 2410
Ion Ratio Lower Upper
75 100
77 30.8 25.9 38.9



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

