

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121020\
 Data File : VY003723.D
 Acq On : 10 Dec 2020 16:53
 Operator : SY/MD
 Sample : L4980-06MS
 Misc : 6.17G/10ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F0MS

Quant Time: Dec 11 01:37:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 00:47:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	239208	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	225595	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	105394	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	62433	18.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.84%
7) Chloroethane-d5	2.77	69	53933	21.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.52%
10) 1,1-Dichloroethene-d2	3.86	63	127842	20.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.32%
20) 2-Butanone-d5	6.90	46	50047	41.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.00%
24) Chloroform-d	7.49	84	139294	22.63	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.52%
26) 1,2-Dichloroethane-d4	8.15	65	78383	22.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.52%
29) Benzene-d6	8.12	84	297134	22.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.00%
33) 1,2-Dichloropropane-d6	9.12	67	88958	23.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.08%
37) Toluene-d8	10.18	98	274778	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.88%
38) trans-1,3-Dichloropropene-	10.44	79	43200	23.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.56%
39) 2-Hexanone-d5	10.79	63	46897	48.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.86%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	79697	23.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.56%
61) 1,2-Dichlorobenzene-d4	13.72	152	95176	24.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.40%

Target Compounds

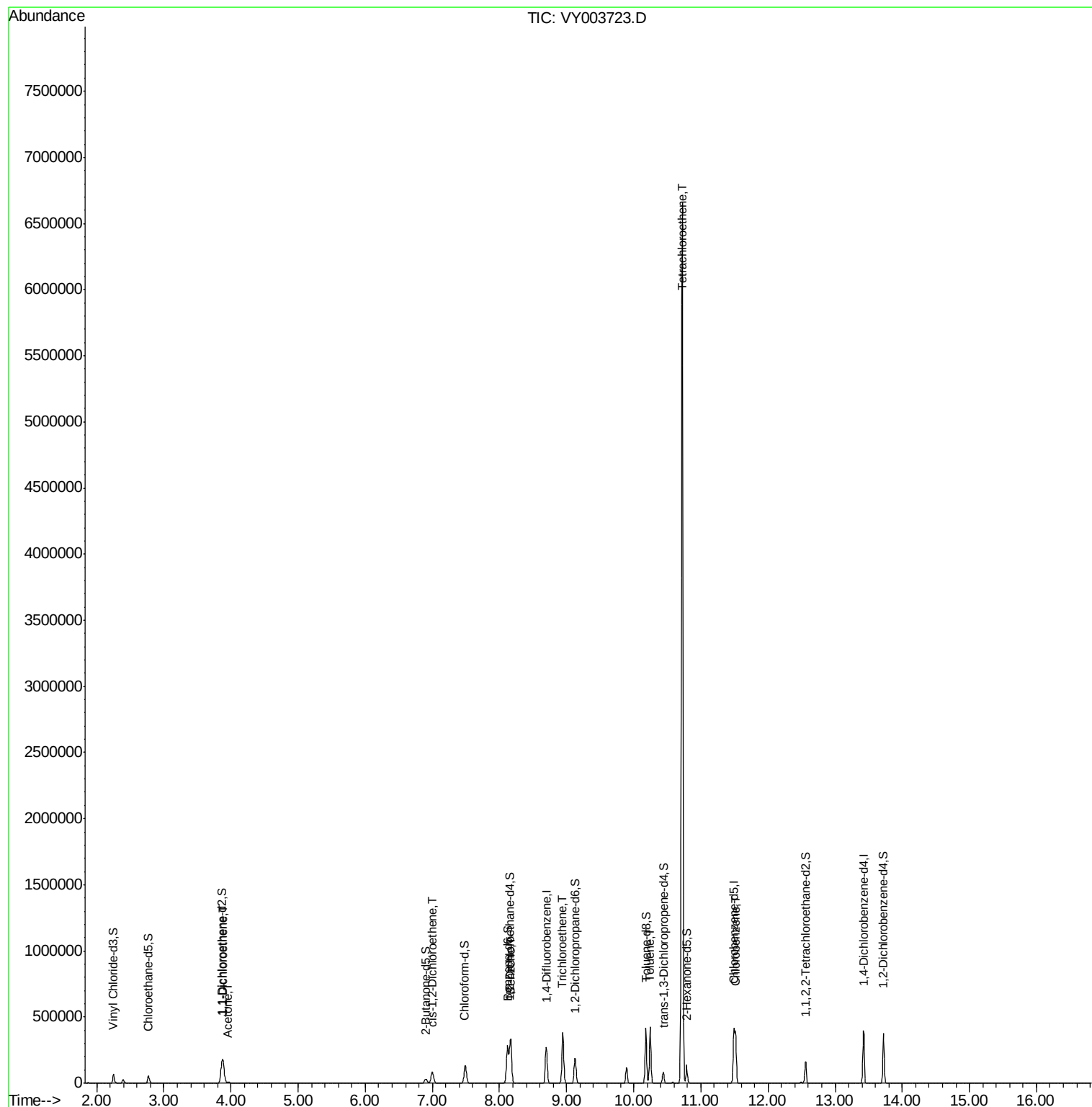
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	3.89	96	65439	22.859	ug/L	86
13) Acetone	3.96	43	8593	9.720	ug/L	99
22) cis-1,2-Dichloroethene	7.00	96	57366	16.700	ug/L	93
34) Benzene	8.17	78	283320	21.954	ug/L	100
35) Trichloroethene	8.94	95	124675	35.188	ug/L	99
44) Toluene	10.25	91	307499	22.588	ug/L	98
47) Tetrachloroethene	10.72	164	1407089	509.945	ug/L	93
52) Chlorobenzene	11.51	112	195388	21.809	ug/L	98

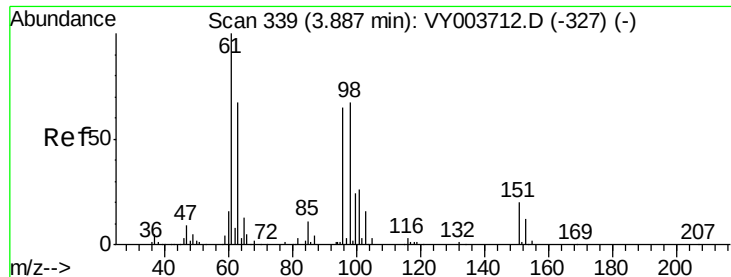
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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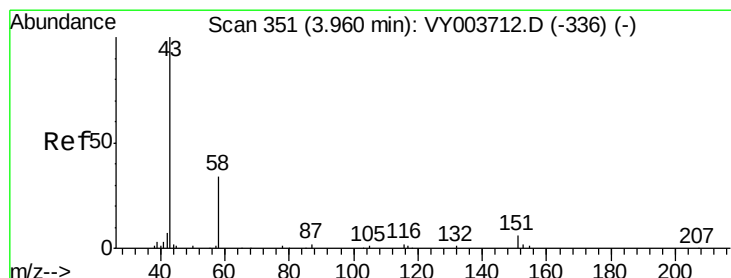
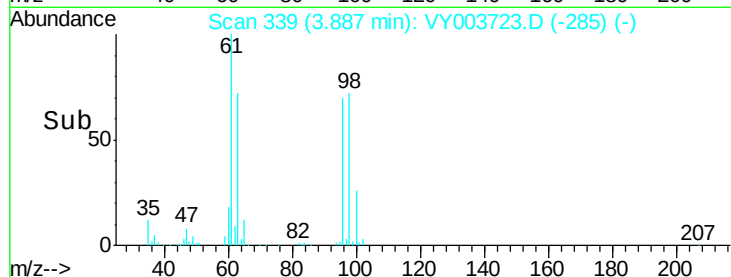
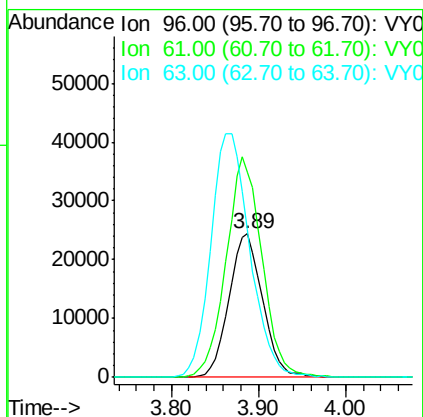
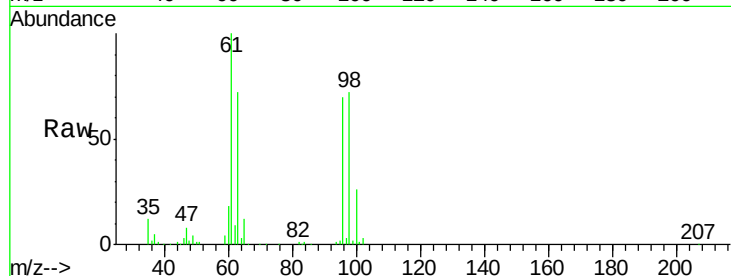




#12
 1,1-Dichloroethene
 Concen: 22.859 ug/L
 RT: 3.89 min Scan# 339
 Delta R.T. 0.00 min
 Lab File: VY003723.D
 Acq: 10 Dec 2020 16:53

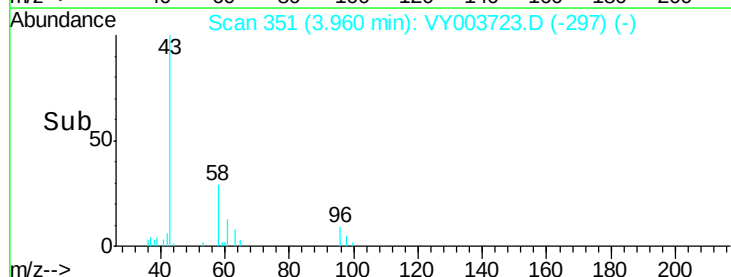
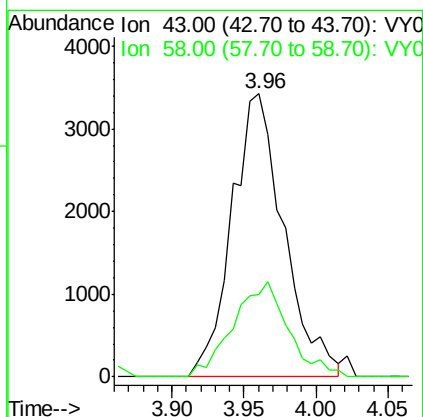
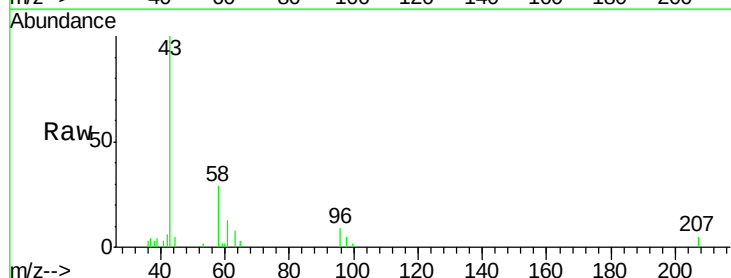
Instrument :
 MSVOA_Y
 ClientSampled :
 GB1F0MS

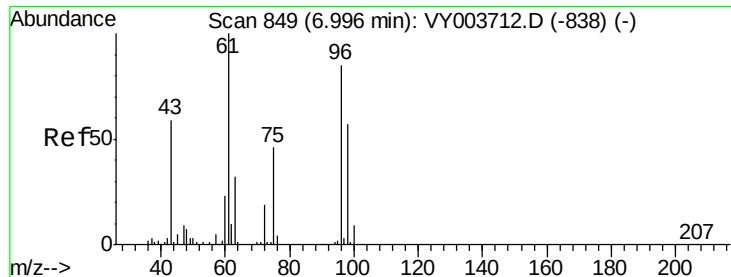
Tot Ion: 96 Resp: 65439
 Ion Ratio Lower Upper
 96 100
 61 143.0 108.5 201.5
 63 102.4 87.8 163.0



#13
 Acetone
 Concen: 9.720 ug/L
 RT: 3.96 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY003723.D
 Acq: 10 Dec 2020 16:53

Tgt Ion: 43 Resp: 8593
 Ion Ratio Lower Upper
 43 100
 58 34.1 0.0 68.8



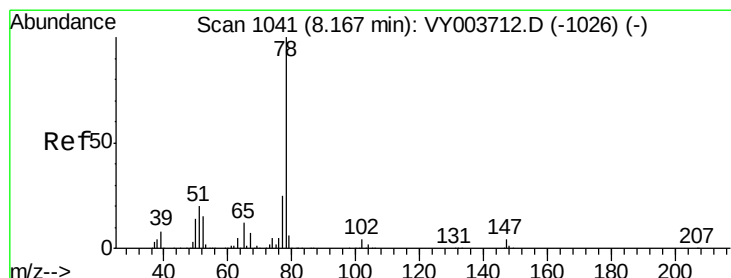
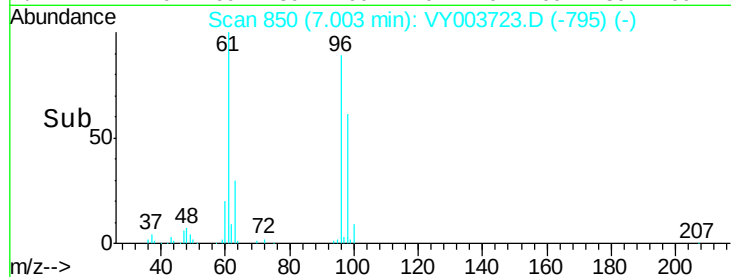
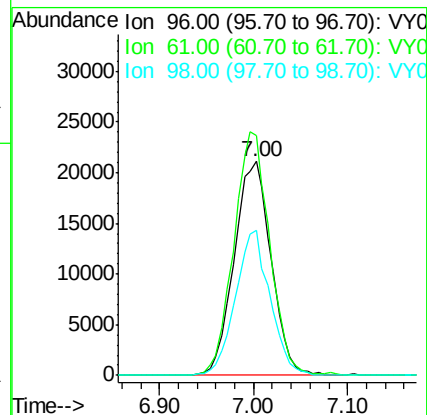
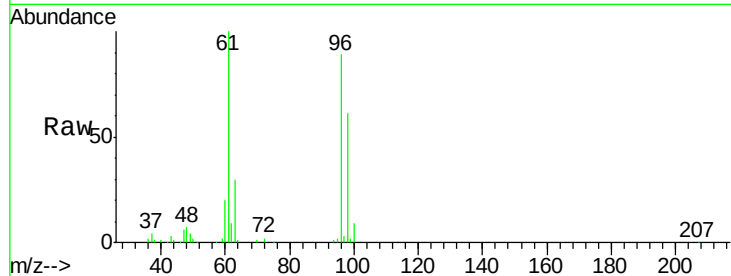


#22

cis-1,2-Dichloroethene
Concen: 16.700 ug/L
RT: 7.00 min Scan# 850
Delta R.T. 0.01 min
Lab File: VY003723.D
Acq: 10 Dec 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :
GB1F0MS

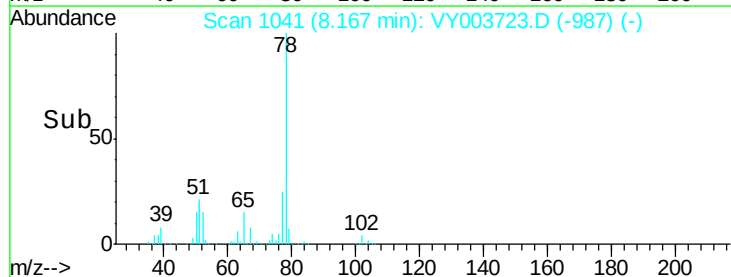
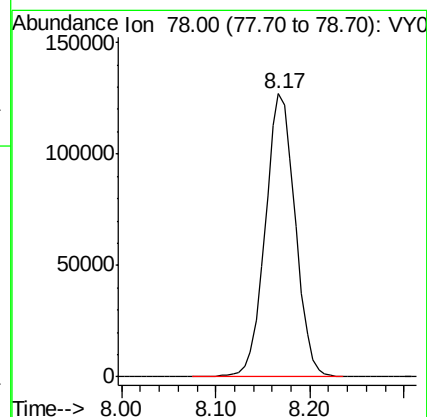
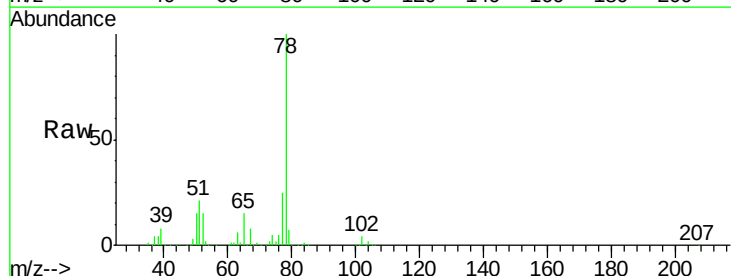
Tot Ion: 96 Resp: 57366
Ion Ratio Lower Upper
96 100
61 112.1 85.8 159.4
98 67.9 46.5 86.3

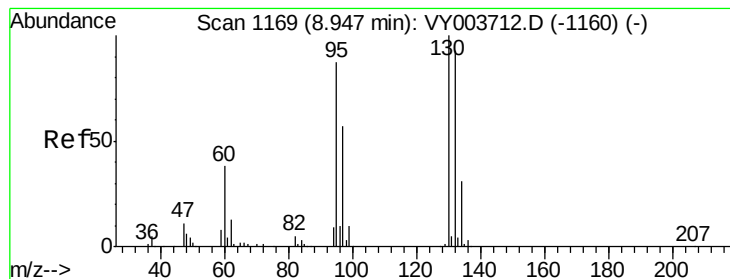


#34

Benzene
Concen: 21.954 ug/L
RT: 8.17 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VY003723.D
Acq: 10 Dec 2020 16:53

Tgt Ion: 78 Resp: 283320





#35

Trichloroethene

Concen: 35.188 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. -0.01 min

Lab File: VY003723.D

Acq: 10 Dec 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

GB1F0MS

Tot Ion: 95 Resp: 124675

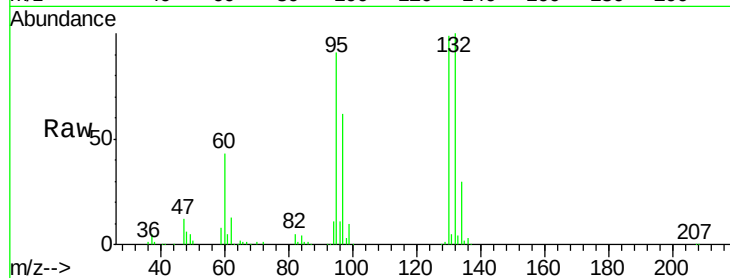
Ion Ratio Lower Upper

95 100

97 65.4 45.8 85.0

132 107.6 74.2 137.8

130 109.7 76.2 141.6

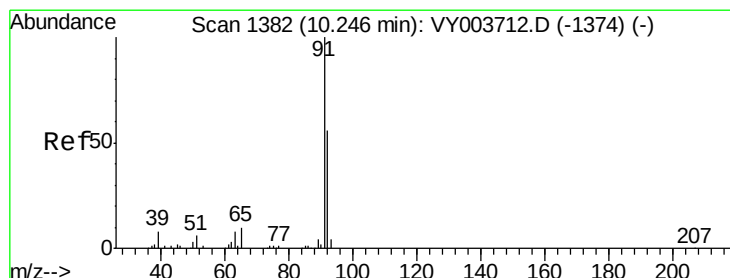
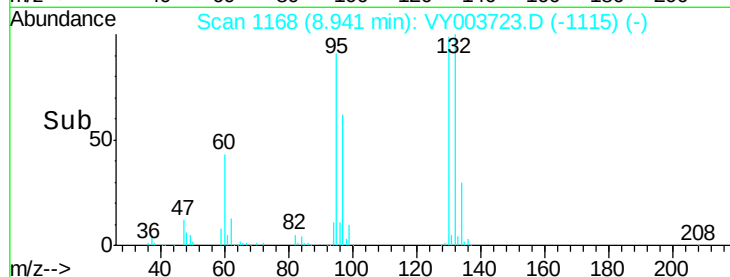
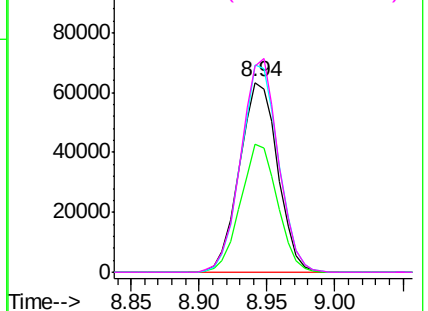


Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#44

Toluene

Concen: 22.588 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003723.D

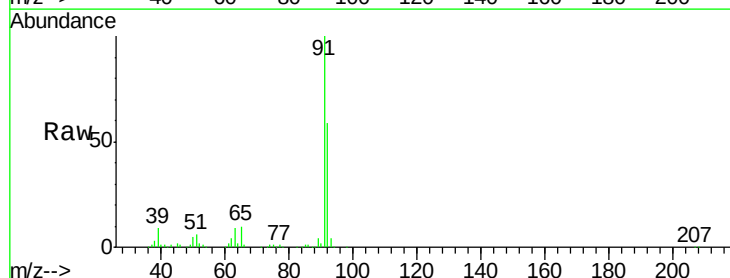
Acq: 10 Dec 2020 16:53

Tgt Ion: 91 Resp: 307499

Ion Ratio Lower Upper

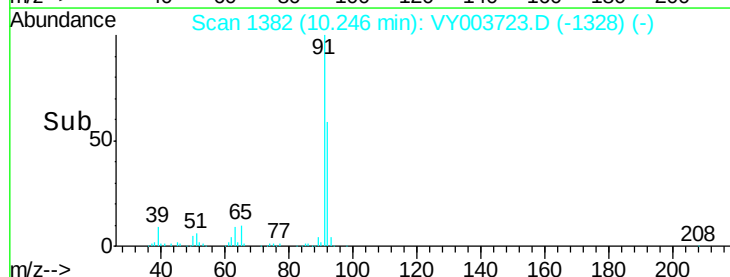
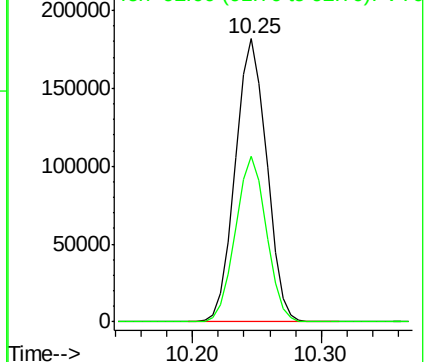
91 100

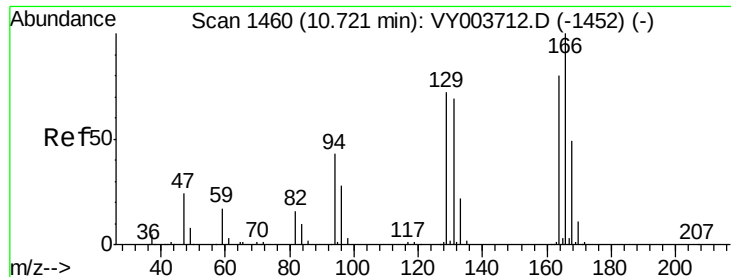
92 58.5 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0





#47

Tetrachloroethene

Concen: 509.945 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. 0.00 min

Lab File: VY003723.D

Acq: 10 Dec 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

GB1F0MS

Tot Ion:164 Resp: 1407089

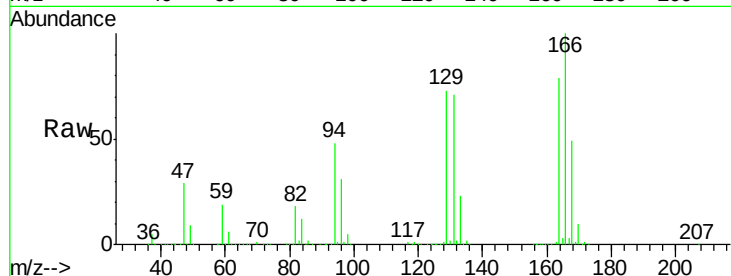
Ion Ratio Lower Upper

164 100

129 92.1 59.6 110.6

131 89.5 57.9 107.5

166 126.6 93.2 173.2

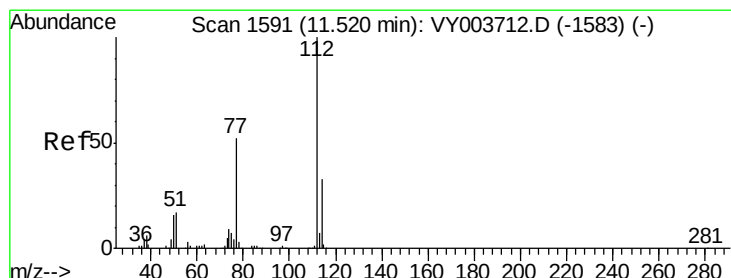
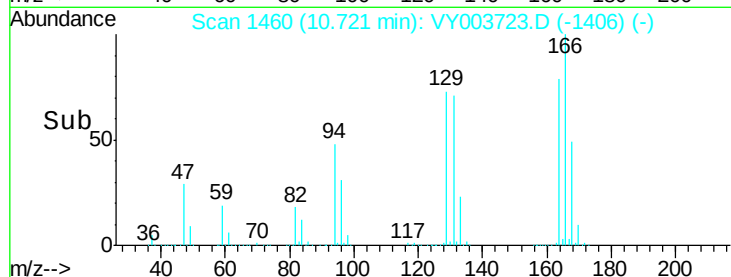
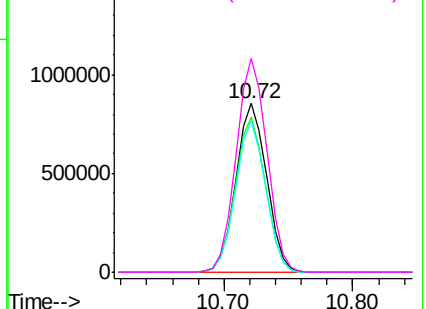


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#52

Chlorobenzene

Concen: 21.809 ug/L

RT: 11.51 min Scan# 1590

Delta R.T. -0.01 min

Lab File: VY003723.D

Acq: 10 Dec 2020 16:53

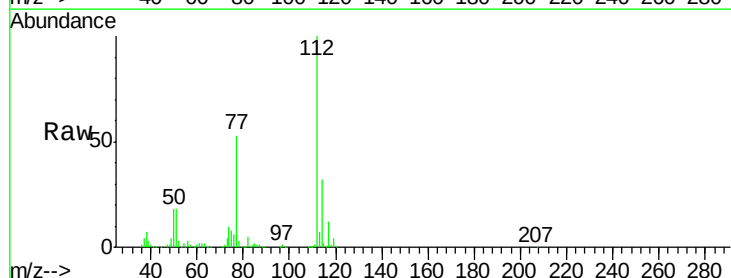
Tgt Ion:112 Resp: 195388

Ion Ratio Lower Upper

112 100

77 53.2 44.4 66.6

114 32.3 22.4 41.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V

