

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\
 Data File : VY003707.D
 Acq On : 09 Dec 2020 17:42
 Operator : SY/MD
 Sample : L4979-10
 Misc : 7.09G/10ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1G0

Manual Integrations
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Quant Time: Dec 10 04:04:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 02:27:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	111166	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	59440	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	12459	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	41490	26.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.56%
7) Chloroethane-d5	2.77	69	35828	30.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	120.84%
10) 1,1-Dichloroethene-d2	3.86	63	59142	19.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.96%
20) 2-Butanone-d5	6.90	46	44525	79.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	158.90%#
24) Chloroform-d	7.49	84	79620	27.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.32%
26) 1,2-Dichloroethane-d4	8.15	65	50365	31.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	125.16%
29) Benzene-d6	8.12	84	154693	44.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	179.80%#
33) 1,2-Dichloropropane-d6	9.12	67	45282	44.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	177.88%#
37) Toluene-d8	10.18	98	90699	29.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	117.60%
38) trans-1,3-Dichloropropene-	10.44	79	16145	33.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	132.68%
39) 2-Hexanone-d5	10.79	63	27257	106.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	213.68%#
48) 1,1,2,2-Tetrachloroethane-	12.56	84	22729	25.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.20%
61) 1,2-Dichlorobenzene-d4	13.72	152	10246	22.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.52%

Target Compounds

					Ovalue
13) Acetone	3.96	43	16165	39.347 ug/L	74
16) Methylene chloride	4.74	84	4001	2.050 ug/L #	71
21) 2-Butanone	7.01	43	3326m	4.585 ug/L	
34) Benzene	8.17	78	3364	0.989 ug/L	100
36) Methylcyclohexane	9.19	83	1307m	0.914 ug/L	
44) Toluene	10.25	91	10899	3.039 ug/L	91
53) Ethylbenzene	11.59	91	7695	1.966 ug/L	90
54) m,p-Xylene	11.71	106	866m	0.573 ug/L	
55) o-xylene	12.03	106	285	0.197 ug/L	85

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

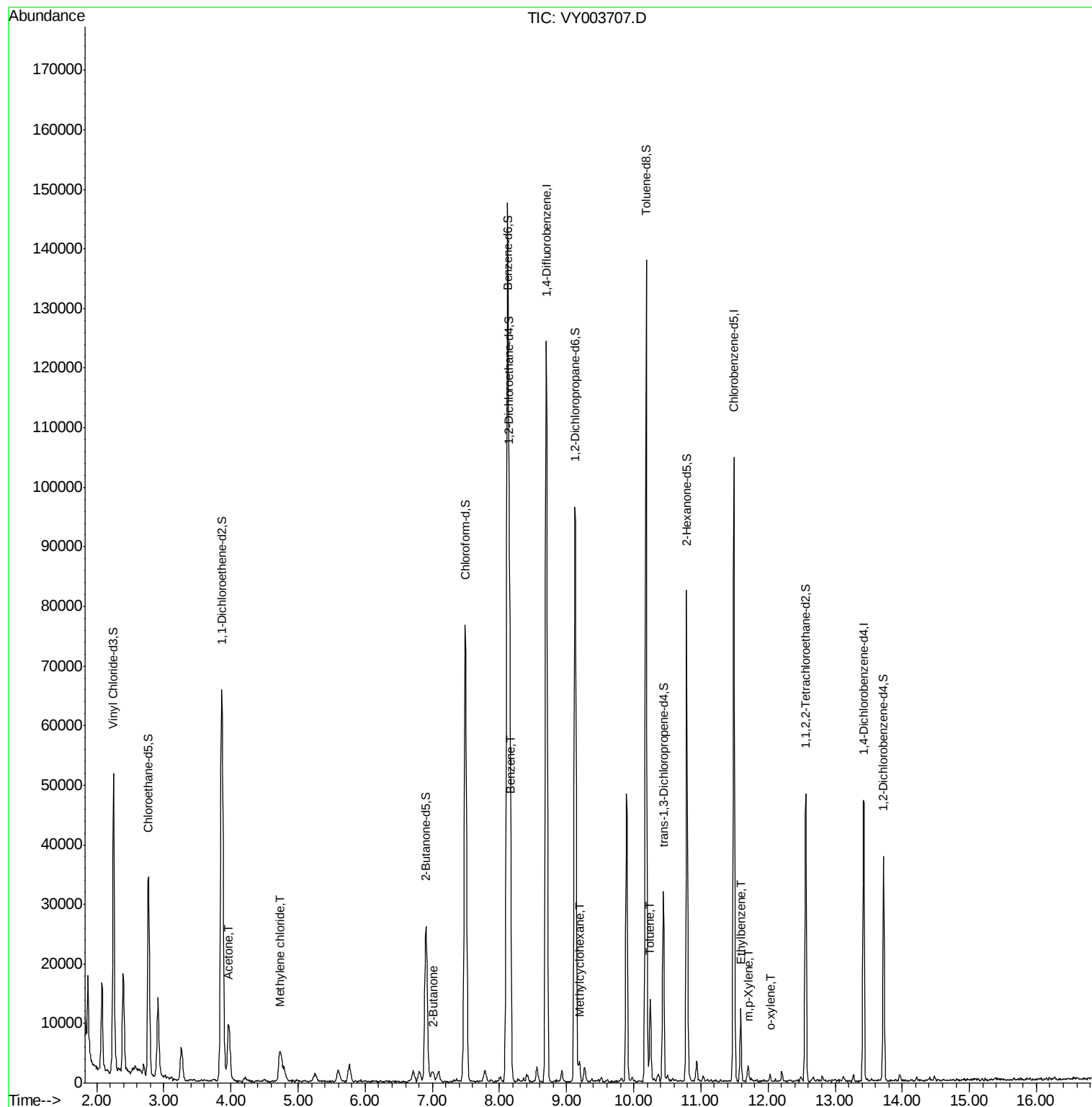
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\
Data File : VY003707.D
Acq On : 09 Dec 2020 17:42
Operator : SY/MD
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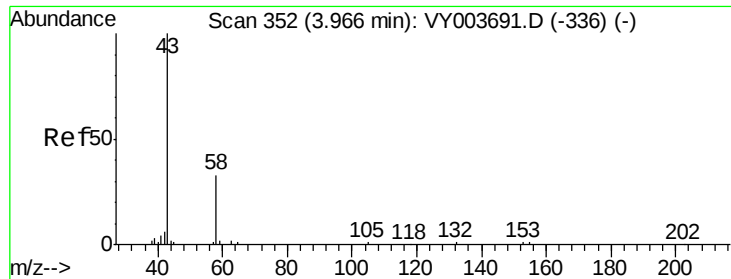
Instrument :
MSVOA_Y
ClientSampleId :
GB1G0

Quant Time: Dec 10 04:04:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 10 02:27:01 2020
Response via : Initial Calibration

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#13

Acetone

Concen: 39.347 ug/L

RT: 3.96 min Scan# 351

Delta R.T. -0.01 min

Lab File: VY003707.D

Acq: 09 Dec 2020 17:42

Instrument :

MSVOA_Y

ClientSampleId :

GB1G0

Tot Ion: 43 Resp: 16165

Ion Ratio Lower Upper

43 100

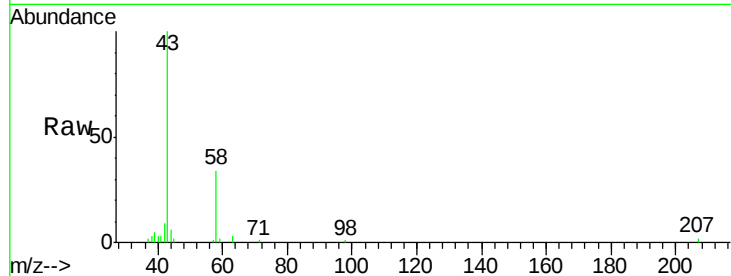
58 19.5 0.0 68.8

Manual Integrations

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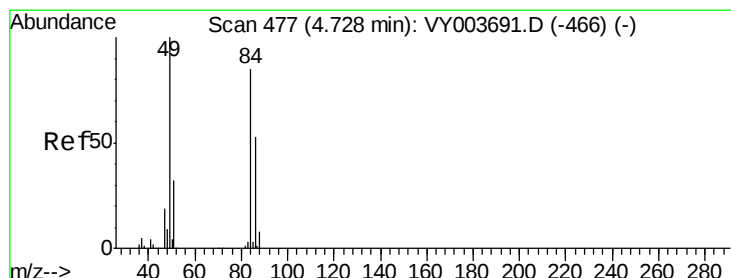
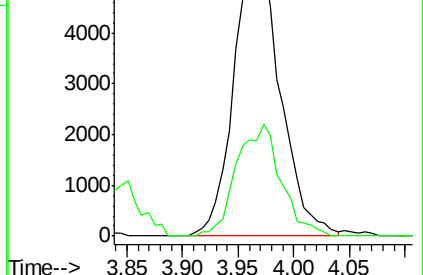
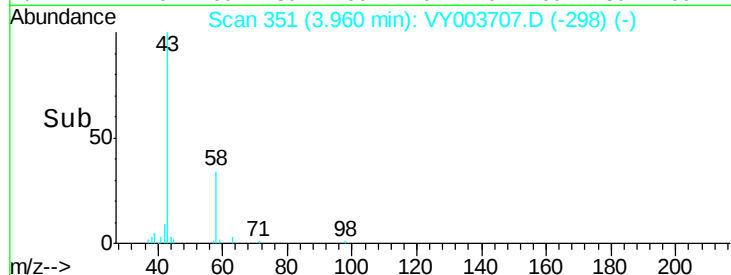


Abundance Ion 43.00 (42.70 to 43.70): VY003707.D (-298) (-)

Ion 58.00 (57.70 to 58.70): VY003707.D (-298) (-)

3.96

3.85 3.90 3.95 4.00 4.05



#16

Methylene chloride

Concen: 2.050 ug/L

RT: 4.74 min Scan# 479

Delta R.T. 0.01 min

Lab File: VY003707.D

Acq: 09 Dec 2020 17:42

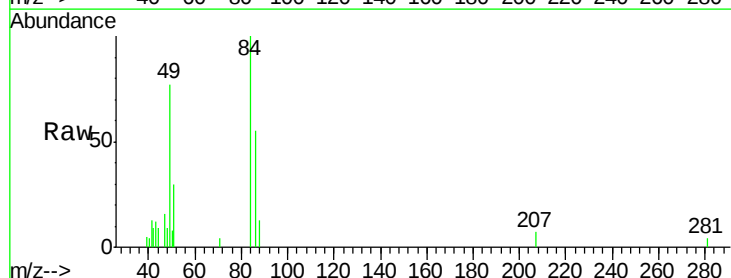
Tgt Ion: 84 Resp: 4001

Ion Ratio Lower Upper

84 100

49 76.7 83.7 155.4#

86 55.5 45.0 83.6



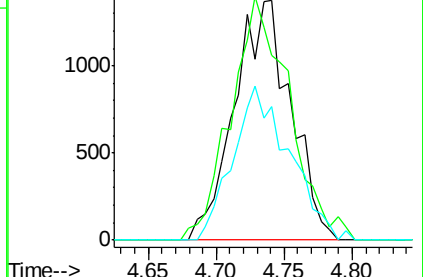
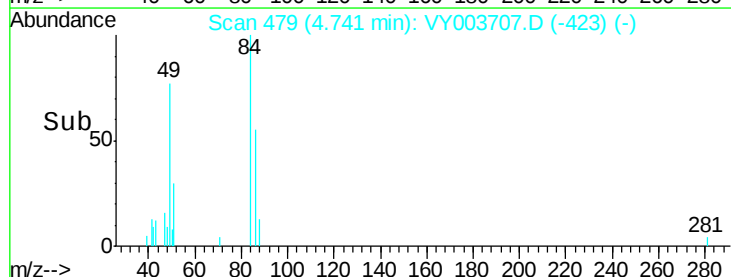
Abundance Ion 84.00 (83.70 to 84.70): VY003707.D (-423) (-)

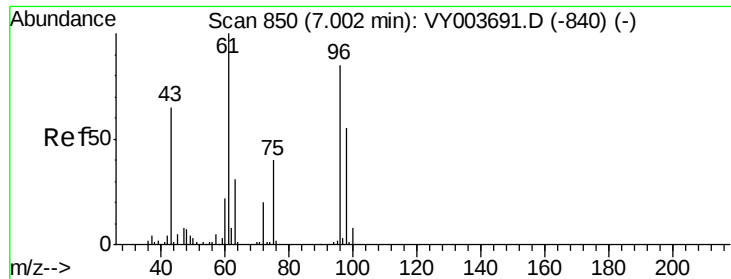
Ion 49.00 (48.70 to 49.70): VY003707.D (-423) (-)

Ion 86.00 (85.70 to 86.70): VY003707.D (-423) (-)

4.74

4.65 4.70 4.75 4.80





#21

2-Butanone

Concen: 4.585 ug/L m

RT: 7.01 min Scan# 852

Delta R.T. 0.01 min

Lab File: VY003707.D

Acq: 09 Dec 2020 17:42

Instrument :

MSVOA_Y

ClientSampleId :

GB1G0

Tot Ion: 43 Resp: 3326

Ion Ratio Lower Upper

43 100

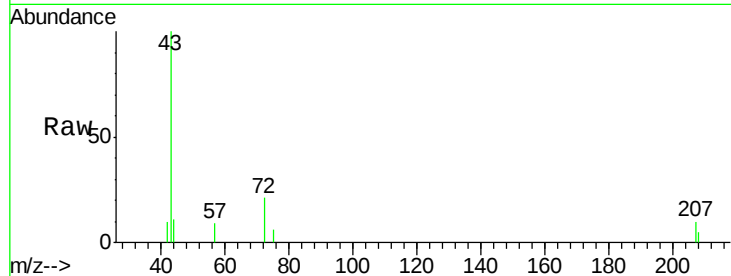
72 17.7 13.3 39.9

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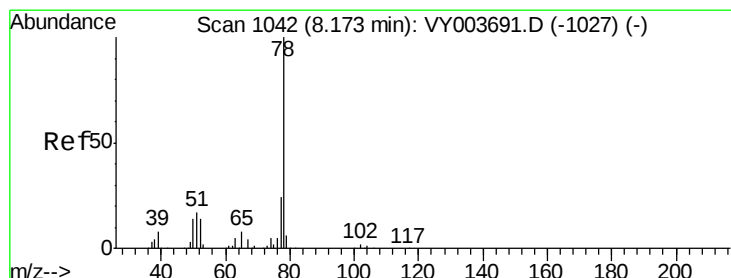
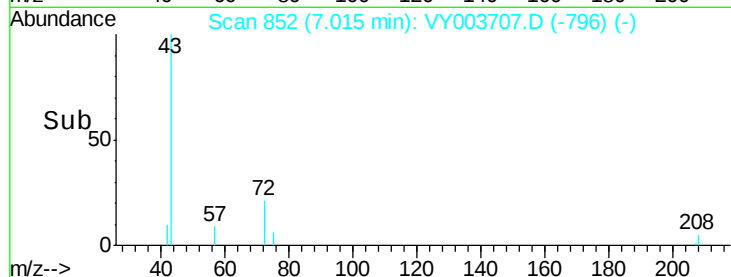
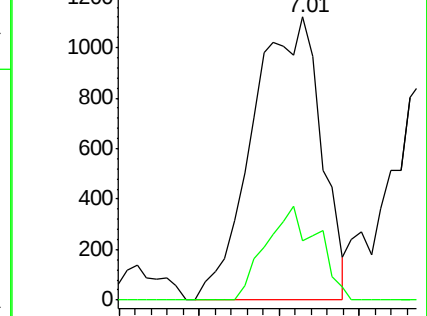
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#34

Benzene

Concen: 0.989 ug/L

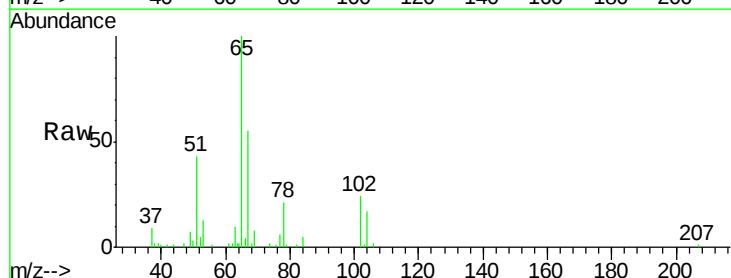
RT: 8.17 min Scan# 1042

Delta R.T. 0.00 min

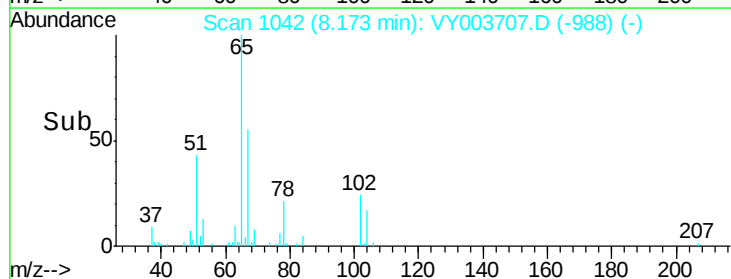
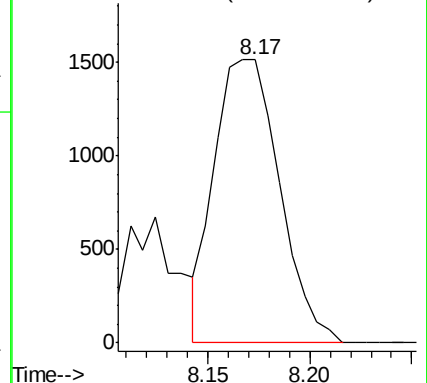
Lab File: VY003707.D

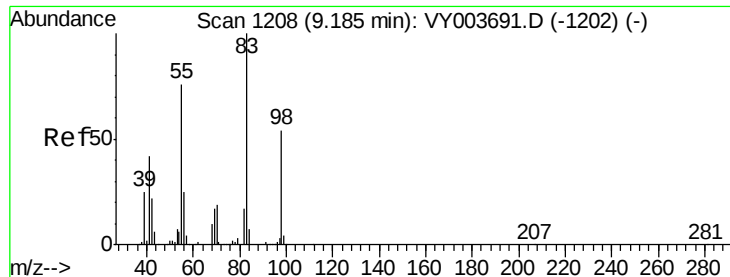
Acq: 09 Dec 2020 17:42

Tgt Ion: 78 Resp: 3364



Abundance Ion 78.00 (77.70 to 78.70): VY0





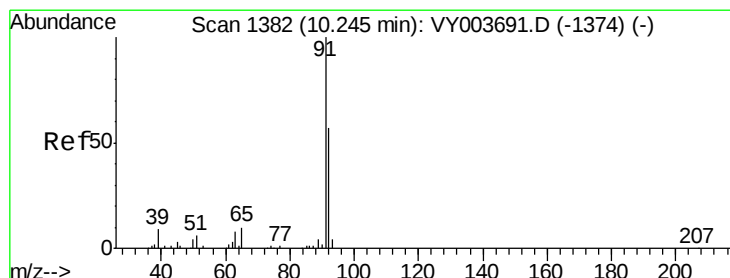
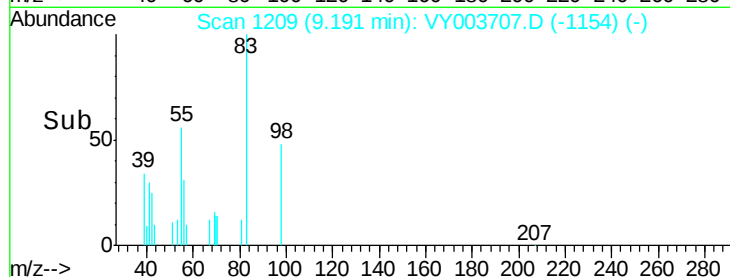
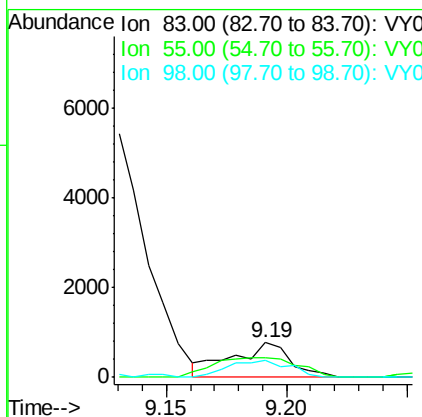
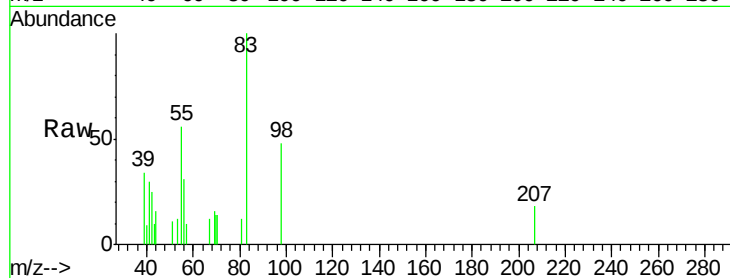
#36
Methvlcvclohexane
Concen: 0.914 ug/L m
RT: 9.19 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VY003707.D
Acq: 09 Dec 2020 17:42

Instrument :
MSVOA_Y
ClientSampleId :
GB1G0

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.4	56.4	84.6
98	51.4	40.3	60.5

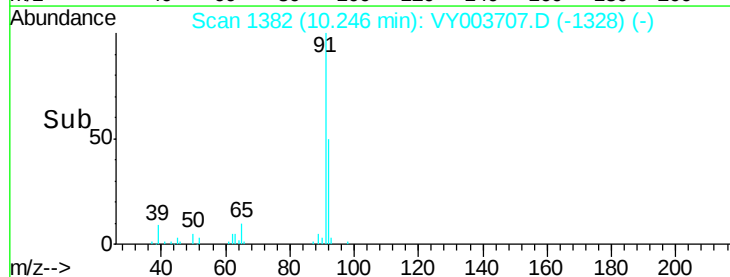
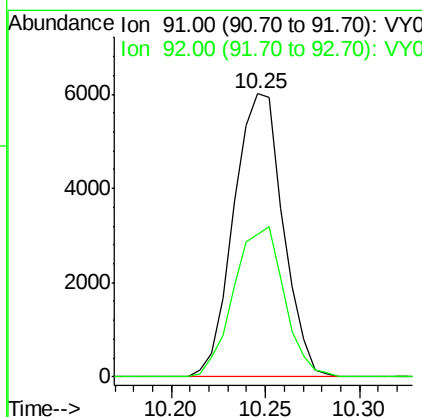
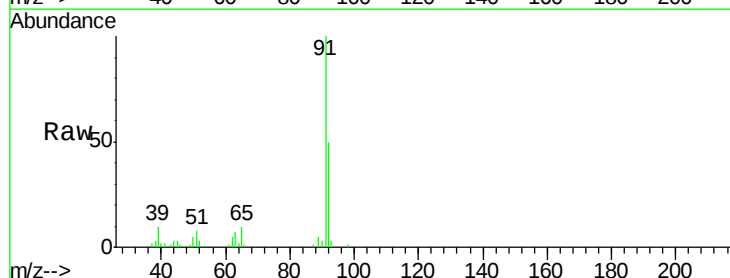
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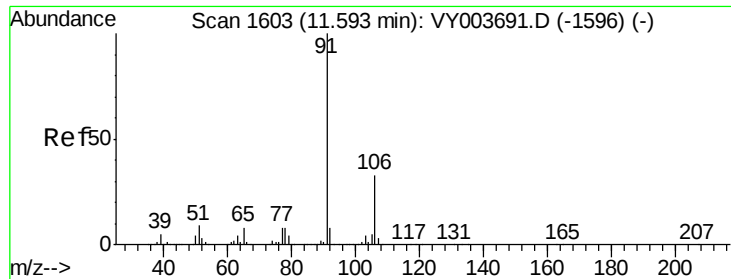
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#44
Toluene
Concen: 3.039 ug/L
RT: 10.25 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VY003707.D
Acq: 09 Dec 2020 17:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.2	39.8	73.8





#53

Ethylbenzene

Concen: 1.966 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003707.D

Acq: 09 Dec 2020 17:42

Instrument :

MSVOA_Y

ClientSampleId :

GB1G0

Tot Ion: 91 Resp: 7695

Ion Ratio Lower Upper

91 100

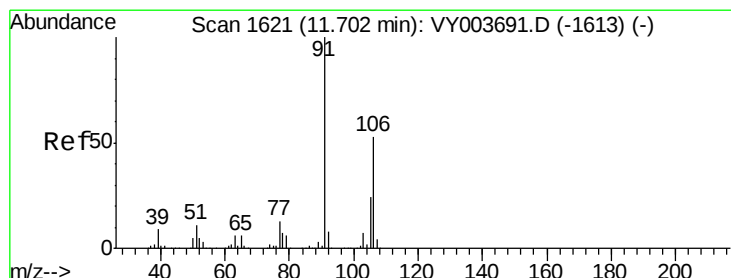
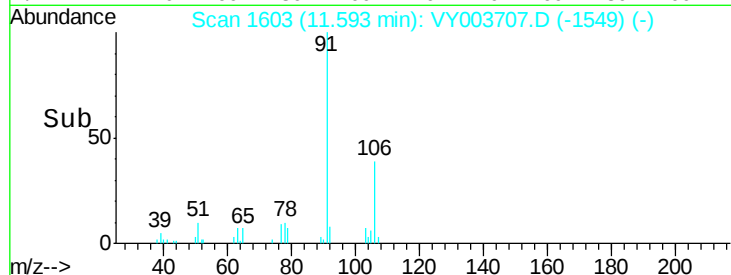
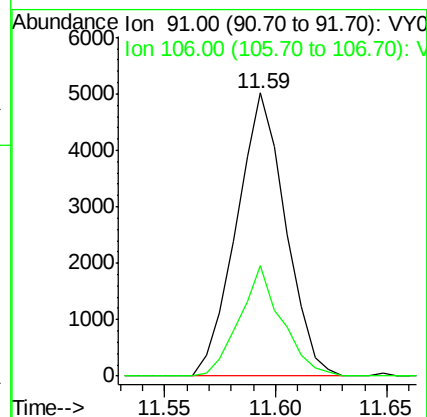
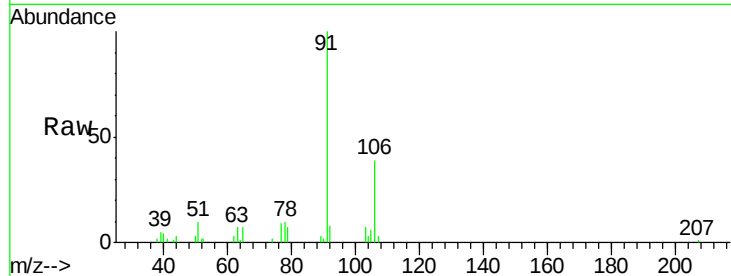
106 38.9 23.3 43.3

Manual Integrations

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#54

m,p-Xylene

Concen: 0.573 ug/L m

RT: 11.71 min Scan# 1622

Delta R.T. 0.01 min

Lab File: VY003707.D

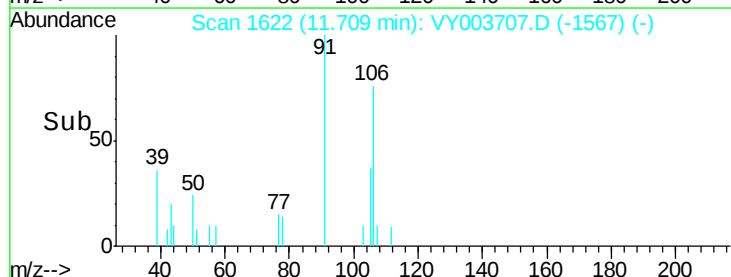
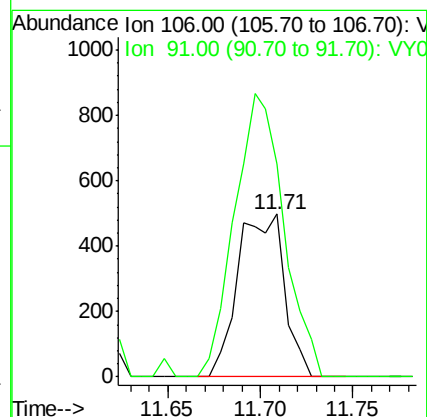
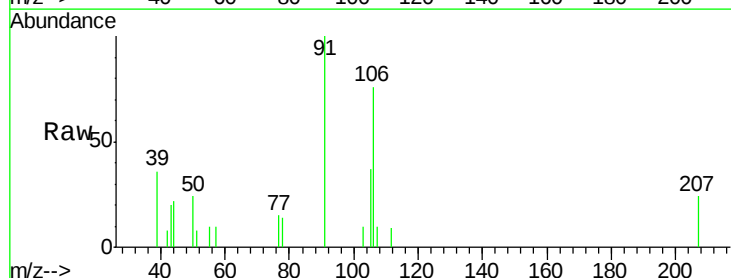
Acq: 09 Dec 2020 17:42

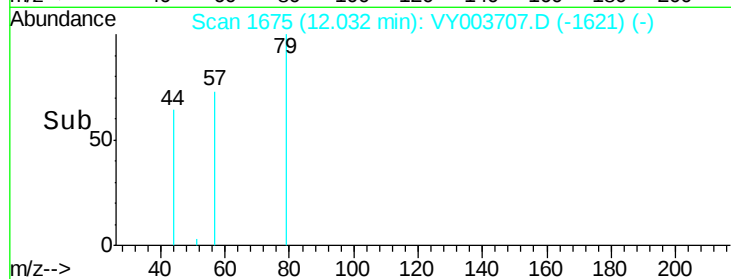
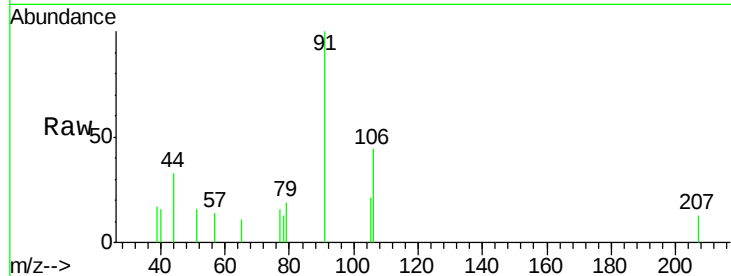
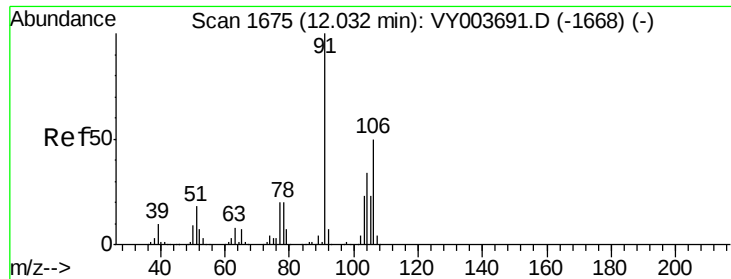
Tgt Ion: 106 Resp: 866

Ion Ratio Lower Upper

106 100

91 131.0 131.3 243.9#





#55
o-xylene
Concen: 0.197 ug/L
RT: 12.03 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VY003707.D
Acq: 09 Dec 2020 17:42

Tot Ion	Ratio	Lower	Upper
106	100		
91	225.2	141.7	263.3

Instrument :
MSVOA_Y
ClientSampleId :
GB1G0

Manual Integrations
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