

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120820\
 Data File : VY003681.D
 Acq On : 08 Dec 2020 17:29
 Operator : SY/MD
 Sample : L4979-06
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F8

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:59:29 AM

Quant Time: Dec 09 02:45:14 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	238802	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.50	117	162361	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	33509	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	87975	26.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.20%
7) Chloroethane-d5	2.77	69	67091	26.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.32%
10) 1,1-Dichloroethene-d2	3.86	63	132043	20.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.12%
20) 2-Butanone-d5	6.89	46	36090	29.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	59.96%
24) Chloroform-d	7.49	84	158593	25.81	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.24%
26) 1,2-Dichloroethane-d4	8.15	65	79289	22.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.72%
29) Benzene-d6	8.12	84	344241	36.62	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	146.48%#
33) 1,2-Dichloropropane-d6	9.12	67	98041	35.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	141.00%#
37) Toluene-d8	10.18	98	283675	33.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	134.68%#
38) trans-1,3-Dichloropropene-	10.44	79	37122	27.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	111.68%
39) 2-Hexanone-d5	10.79	63	26435	37.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.86%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	45446	18.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	73.36%
61) 1,2-Dichlorobenzene-d4	13.73	152	29376	24.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.52%

Target Compounds

					Ovalue
13) Acetone	3.95	43	14582	16.523 ug/L	97
16) Methylene chloride	4.73	84	11588	2.764 ug/L	88
21) 2-Butanone	6.99	43	2795m	1.794 ug/L	
30) Cyclohexane	7.79	56	1775m	0.507 ug/L	
34) Benzene	8.17	78	5931	0.639 ug/L	100
36) Methylcyclohexane	9.18	83	2350	0.601 ug/L #	88
44) Toluene	10.25	91	28364	2.895 ug/L	95
53) Ethylbenzene	11.59	91	20216	1.891 ug/L	95
54) m,p-Xylene	11.70	106	2350	0.570 ug/L	72
55) o-xylene	12.03	106	1071	0.271 ug/L	92

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

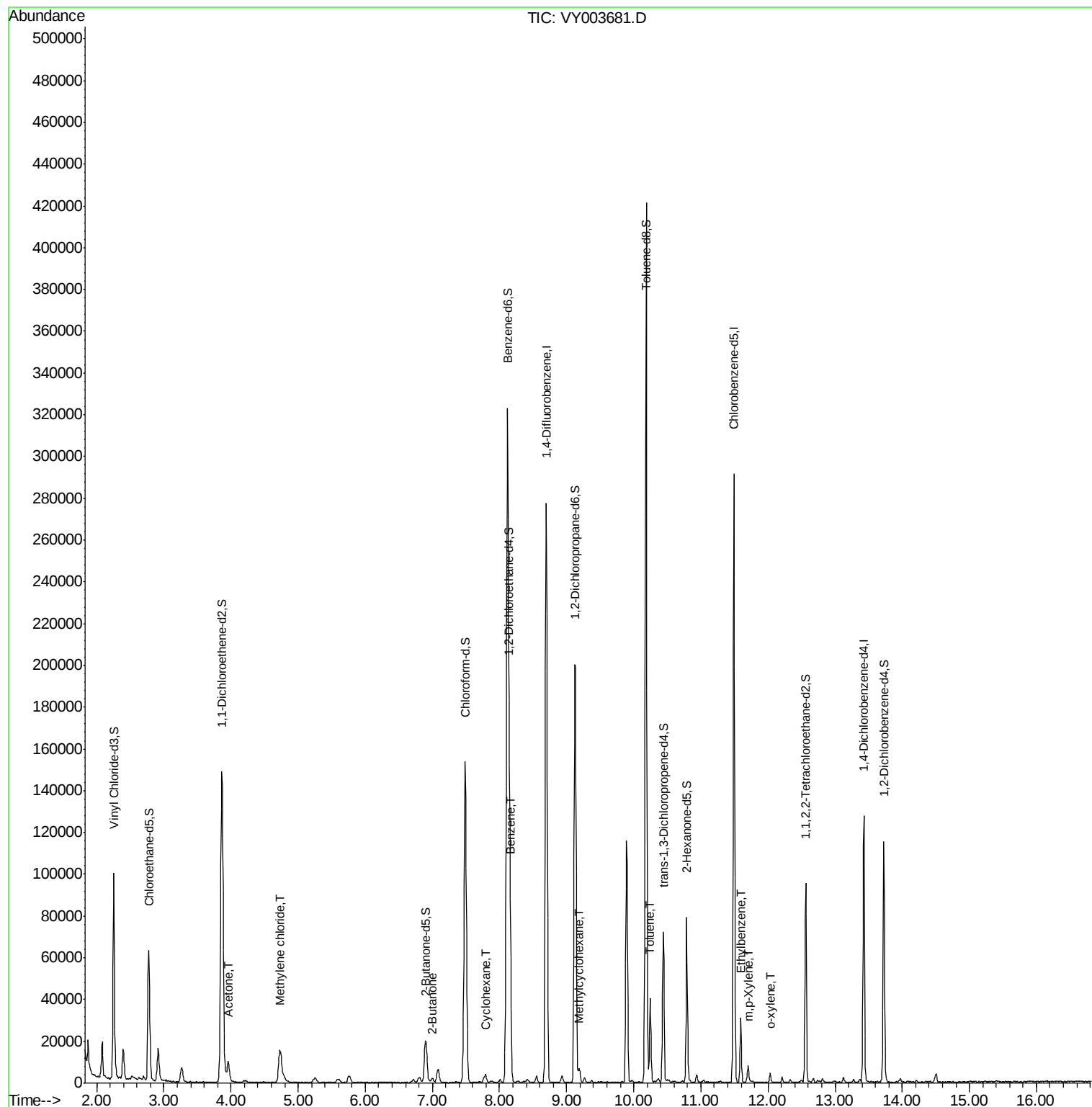
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY120820\
Data File : VY003681.D
Acq On : 08 Dec 2020 17:29
Operator : SY/MD
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Misc : 5.00G/10ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

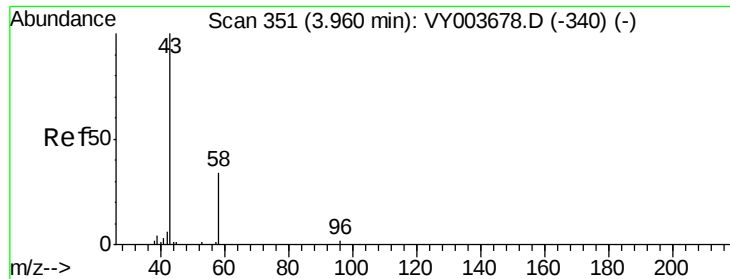
Instrument :
MSVOA_Y
ClientSampleId :
GB1F8

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Quant Time: Dec 09 02:45:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 09 01:58:23 2020
Response via : Initial Calibration





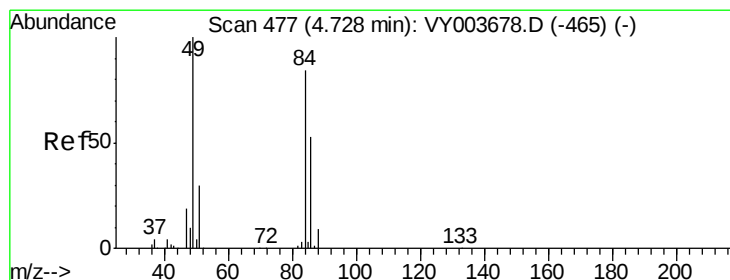
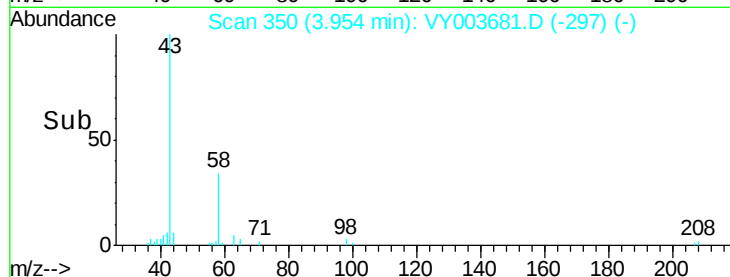
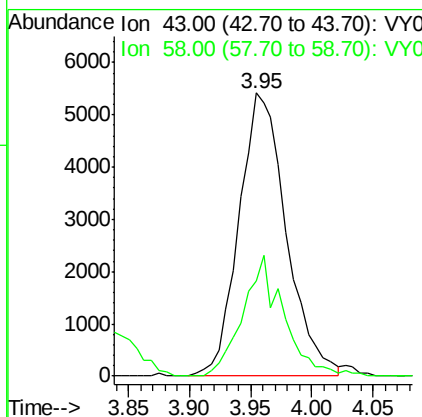
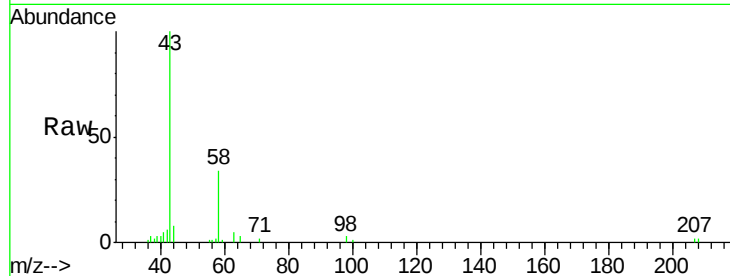
#13
Acetone
Concen: 16.523 ug/L
RT: 3.95 min Scan# 350
Delta R.T. -0.01 min
Lab File: VY003681.D
Acq: 08 Dec 2020 17:29

Instrument :
MSVOA_Y
ClientSampleId :
GB1F8

Tot Ion: 43 Resp: 14582
Ion Ratio Lower Upper
43 100
58 36.2 0.0 68.8

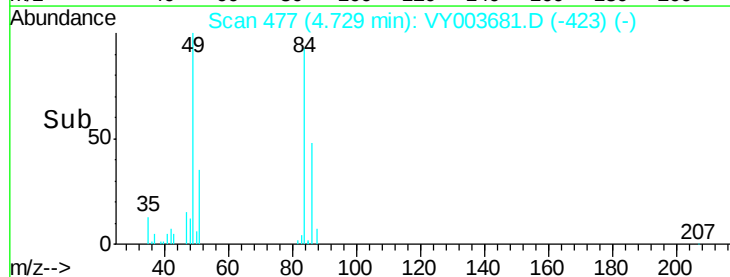
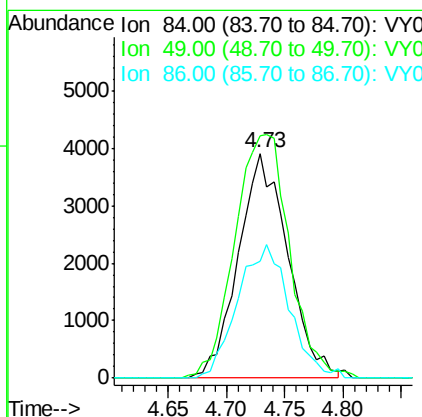
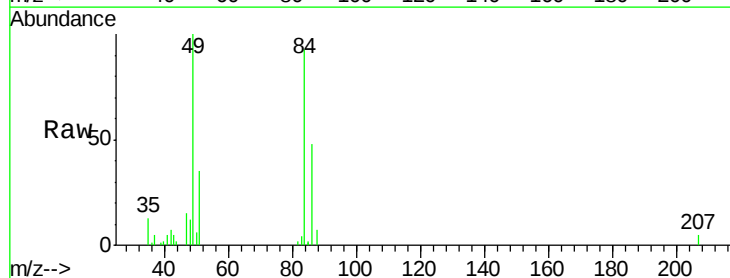
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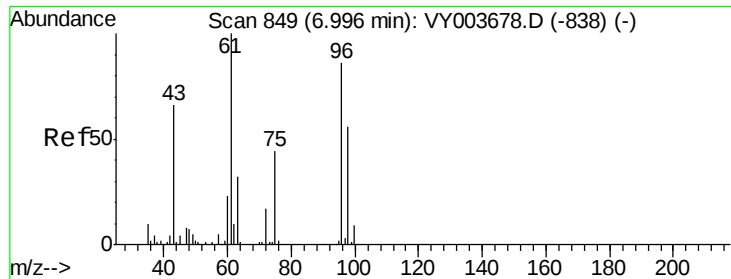
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#16
Methylene chloride
Concen: 2.764 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003681.D
Acq: 08 Dec 2020 17:29

Tgt Ion: 84 Resp: 11588
Ion Ratio Lower Upper
84 100
49 107.8 83.7 155.4
86 51.9 45.0 83.6





#21

2-Butanone

Concen: 1.794 ug/L m

RT: 6.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VY003681.D

Acq: 08 Dec 2020 17:29

Instrument :

MSVOA_Y

ClientSampleId :

GB1F8

Tot Ion: 43 Resp: 2795

Ion Ratio Lower Upper

43 100

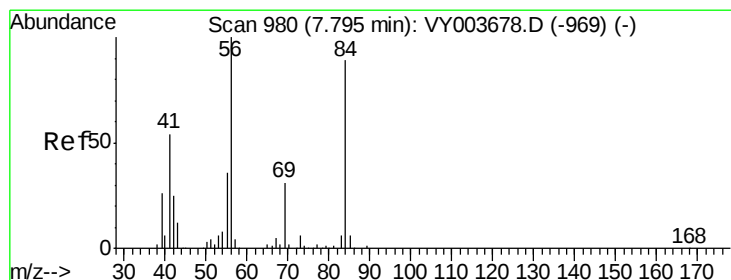
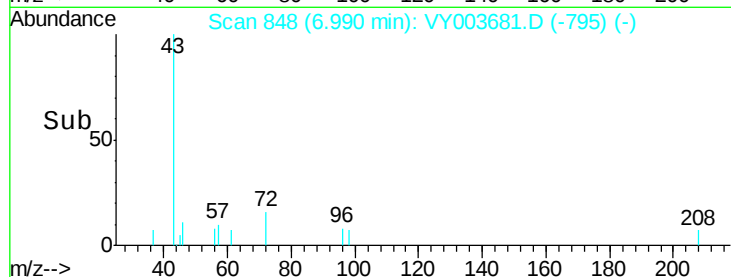
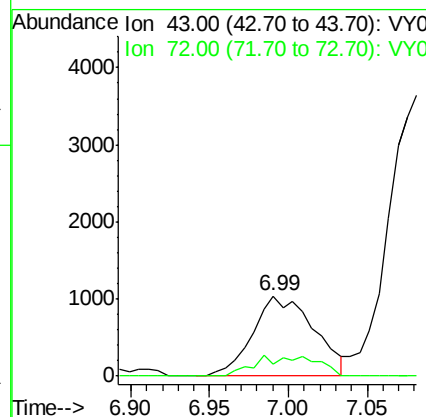
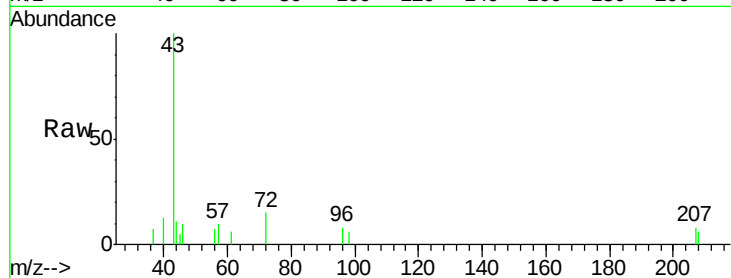
72 9.6 13.3 39.9#

Manual Integrations

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#30

Cyclohexane

Concen: 0.507 ug/L m

RT: 7.79 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY003681.D

Acq: 08 Dec 2020 17:29

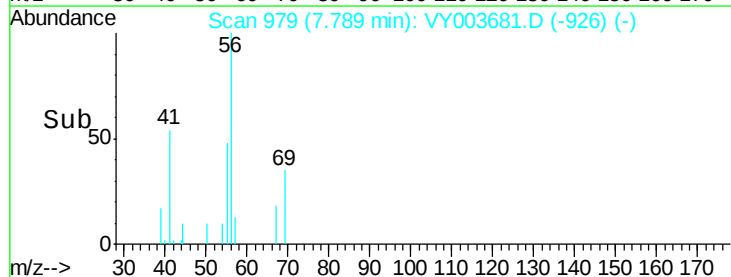
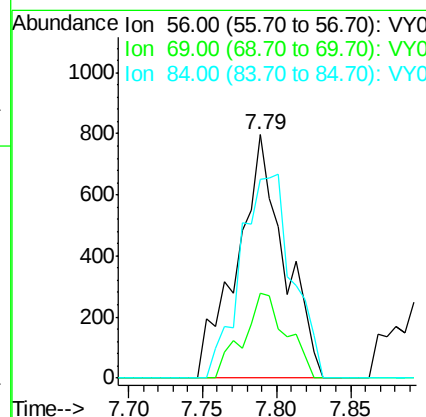
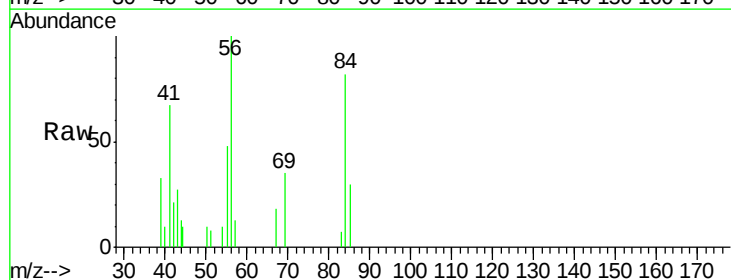
Tgt Ion: 56 Resp: 1775

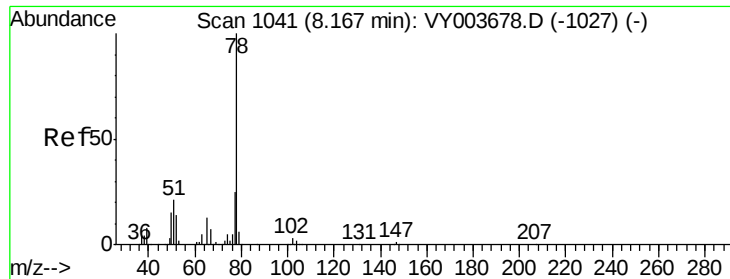
Ion Ratio Lower Upper

56 100

69 13.5 23.8 35.8#

84 91.7 73.2 109.8





#34

Benzene

Concen: 0.639 ug/L

RT: 8.17 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VY003681.D

Acq: 08 Dec 2020 17:29

Instrument :

MSVOA_Y

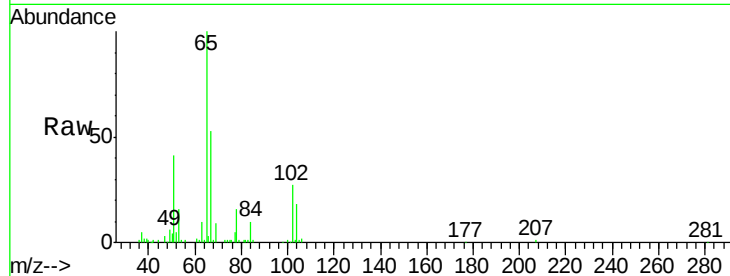
ClientSampleId :

GB1F8

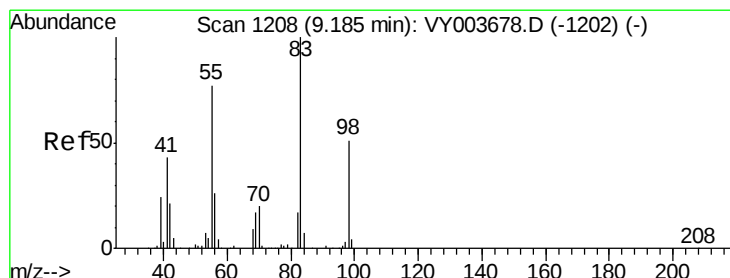
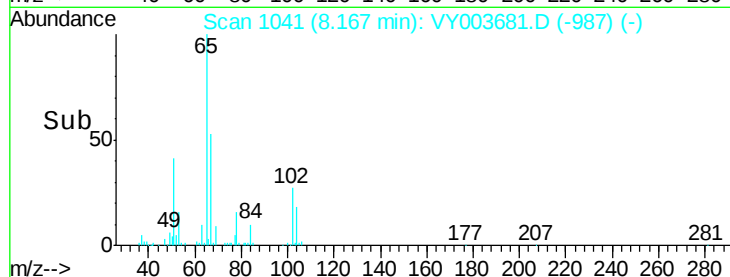
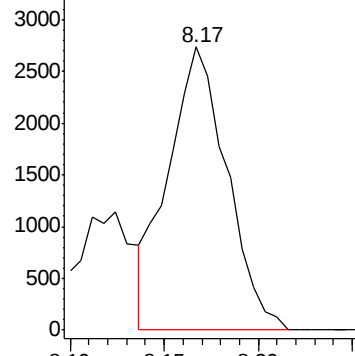
Tgt Ion: 78 Resp: 5931

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Abundance Ion 78.00 (77.70 to 78.70): VY0



#36

Methylcyclohexane

Concen: 0.601 ug/L

RT: 9.18 min Scan# 1207

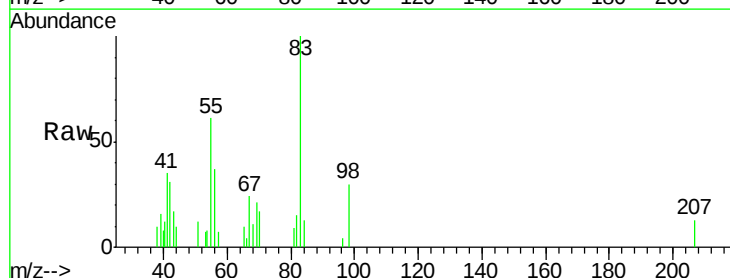
Delta R.T. -0.01 min

Lab File: VY003681.D

Acq: 08 Dec 2020 17:29

Tgt Ion: 83 Resp: 2350

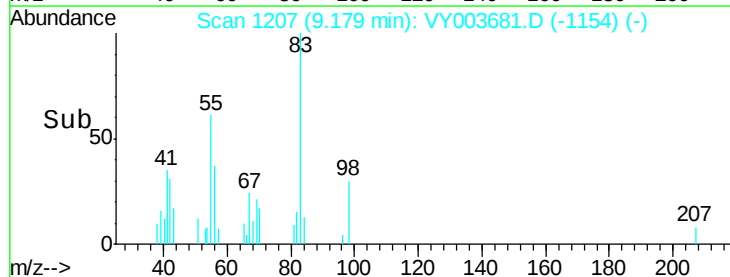
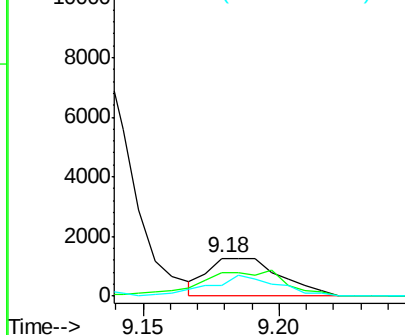
Ion	Ratio	Lower	Upper
83	100		
55	55.1	56.4	84.6#
98	53.0	40.3	60.5

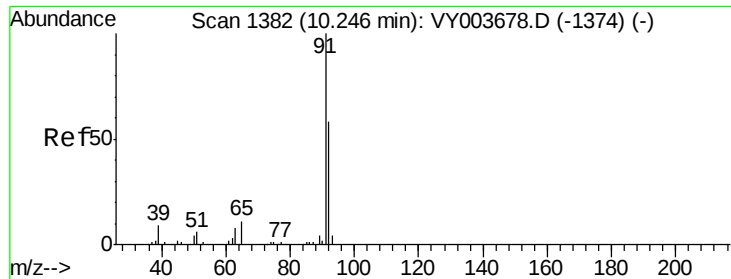


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#44

Toluene

Concen: 2.895 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003681.D

Acq: 08 Dec 2020 17:29

Instrument :

MSVOA_Y

ClientSampleId :

GB1F8

Tot Ion: 91 Resp: 28364

Ion Ratio Lower Upper

91 100

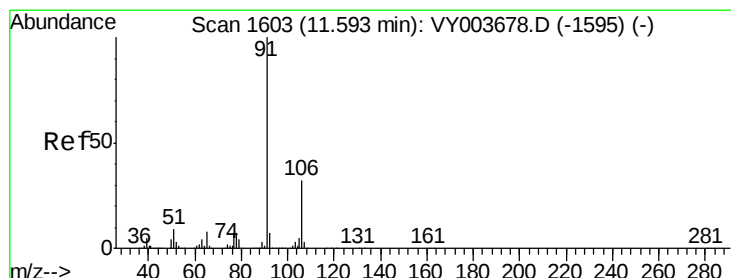
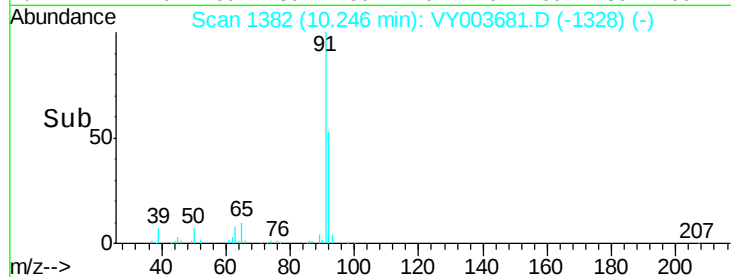
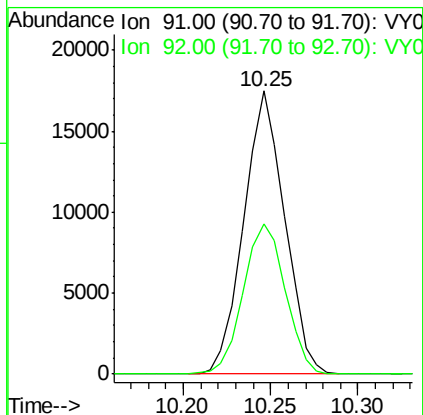
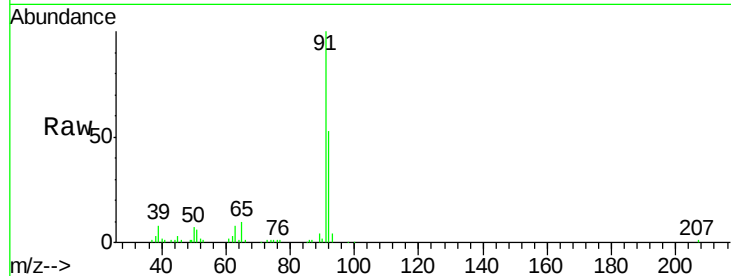
92 52.9 39.8 73.8

Manual Integrations

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#53

Ethylbenzene

Concen: 1.891 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003681.D

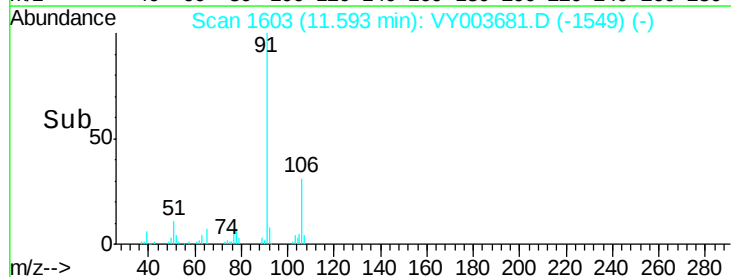
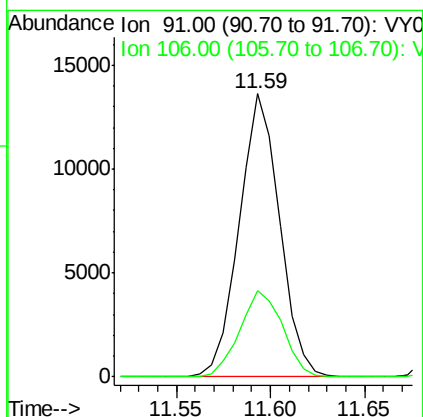
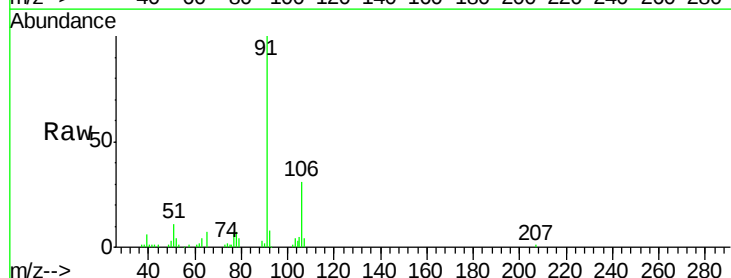
Acq: 08 Dec 2020 17:29

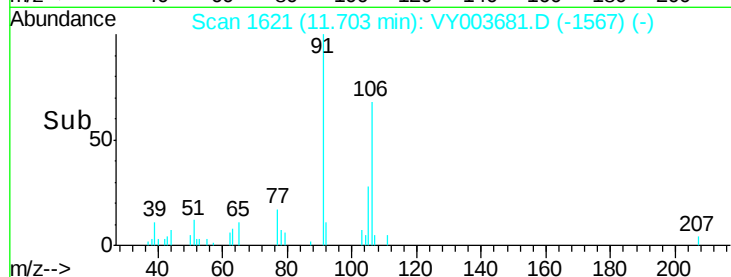
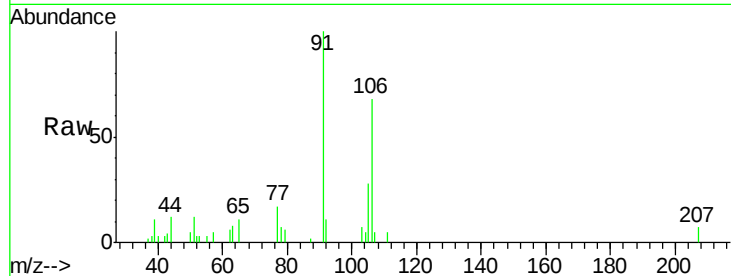
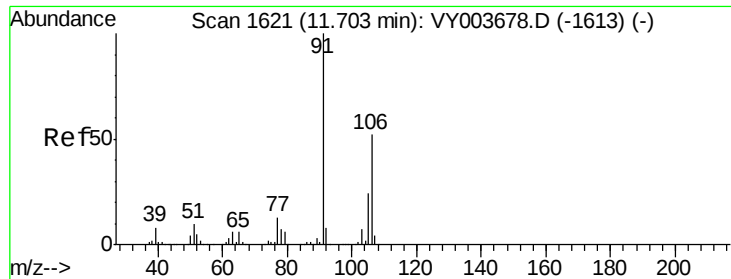
Tgt Ion: 91 Resp: 20216

Ion Ratio Lower Upper

91 100

106 30.7 23.3 43.3





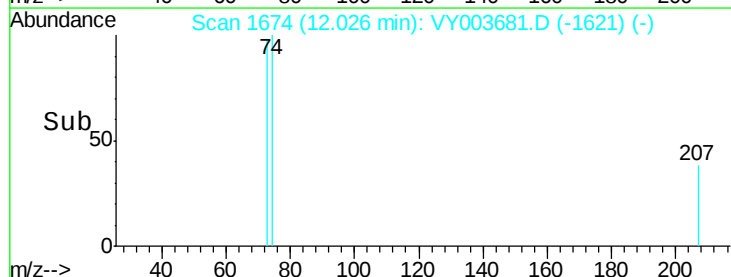
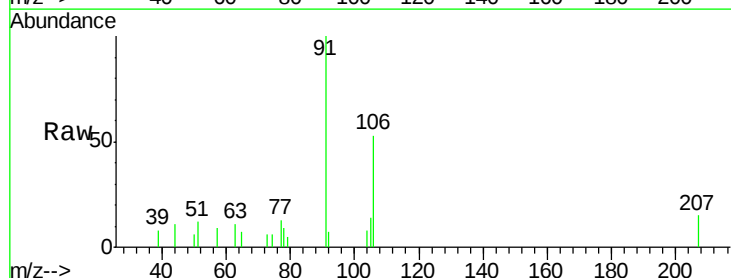
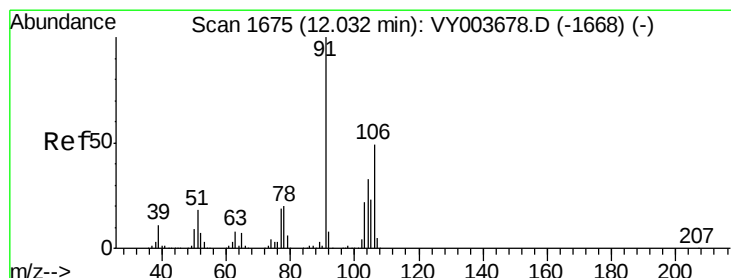
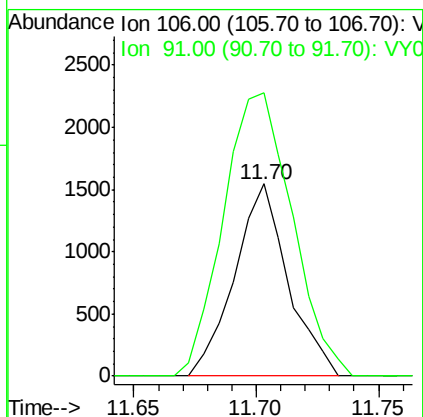
#54
m,p-Xylene
Concen: 0.570 ug/L
RT: 11.70 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VY003681.D
Acq: 08 Dec 2020 17:29

Tot Ion:106 Resp: 2350
Ion Ratio Lower Upper
106 100
91 147.2 131.3 243.9

Instrument :
MSVOA_Y
ClientSampled :
GB1F8

Manual Integrations
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#55
o-xylene
Concen: 0.271 ug/L
RT: 12.03 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VY003681.D
Acq: 08 Dec 2020 17:29

Tgt Ion:106 Resp: 1071
Ion Ratio Lower Upper
106 100
91 189.7 141.7 263.3

