

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\
 Data File : VY003695.D
 Acq On : 09 Dec 2020 13:09
 Operator : SY/MD
 Sample : L4979-07MS
 Misc : 5.77G/10ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F8

Manual Integrations
 APPROVED

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 12/11/2020 12:25:20 PM

Quant Time: Dec 10 03:09:13 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	167365	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	106118	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	19373	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	50788	21.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.84%
7) Chloroethane-d5	2.77	69	41790	23.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.60%
10) 1,1-Dichloroethene-d2	3.87	63	104614	23.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.96%
20) 2-Butanone-d5	6.90	46	32493	38.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.02%
24) Chloroform-d	7.49	84	99103	23.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.04%
26) 1,2-Dichloroethane-d4	8.15	65	52321	21.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.36%
29) Benzene-d6	8.12	84	209578	34.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	136.44%#
33) 1,2-Dichloropropane-d6	9.13	67	59054	32.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	129.92%#
37) Toluene-d8	10.18	98	159781	29.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	116.04%
38) trans-1,3-Dichloropropene-	10.44	79	23158	26.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.60%
39) 2-Hexanone-d5	10.79	63	21506	47.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.44%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	25759	15.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	63.60%
61) 1,2-Dichlorobenzene-d4	13.73	152	14957	21.25	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	3.89	96	55244	27.582	ug/L	91
13) Acetone	3.96	43	14360	23.217	ug/L	99
14) Carbon disulfide	4.21	76	3189	0.478	ug/L #	93
16) Methylene chloride	4.73	84	6359m	2.164	ug/L	
21) 2-Butanone	7.00	43	2714	2.485	ug/L	77
34) Benzene	8.17	78	222076	36.583	ug/L	100
35) Trichloroethene	8.95	95	49736	29.842	ug/L	98
36) Methylcyclohexane	9.19	83	1643	0.643	ug/L #	82
44) Toluene	10.25	91	212204	33.138	ug/L	100
52) Chlorobenzene	11.52	112	94963	22.534	ug/L	97
53) Ethylbenzene	11.59	91	14452	2.068	ug/L	99
54) m,p-Xylene	11.70	106	1589	0.589	ug/L	68
55) o-xylene	12.03	106	863	0.334	ug/L	83

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

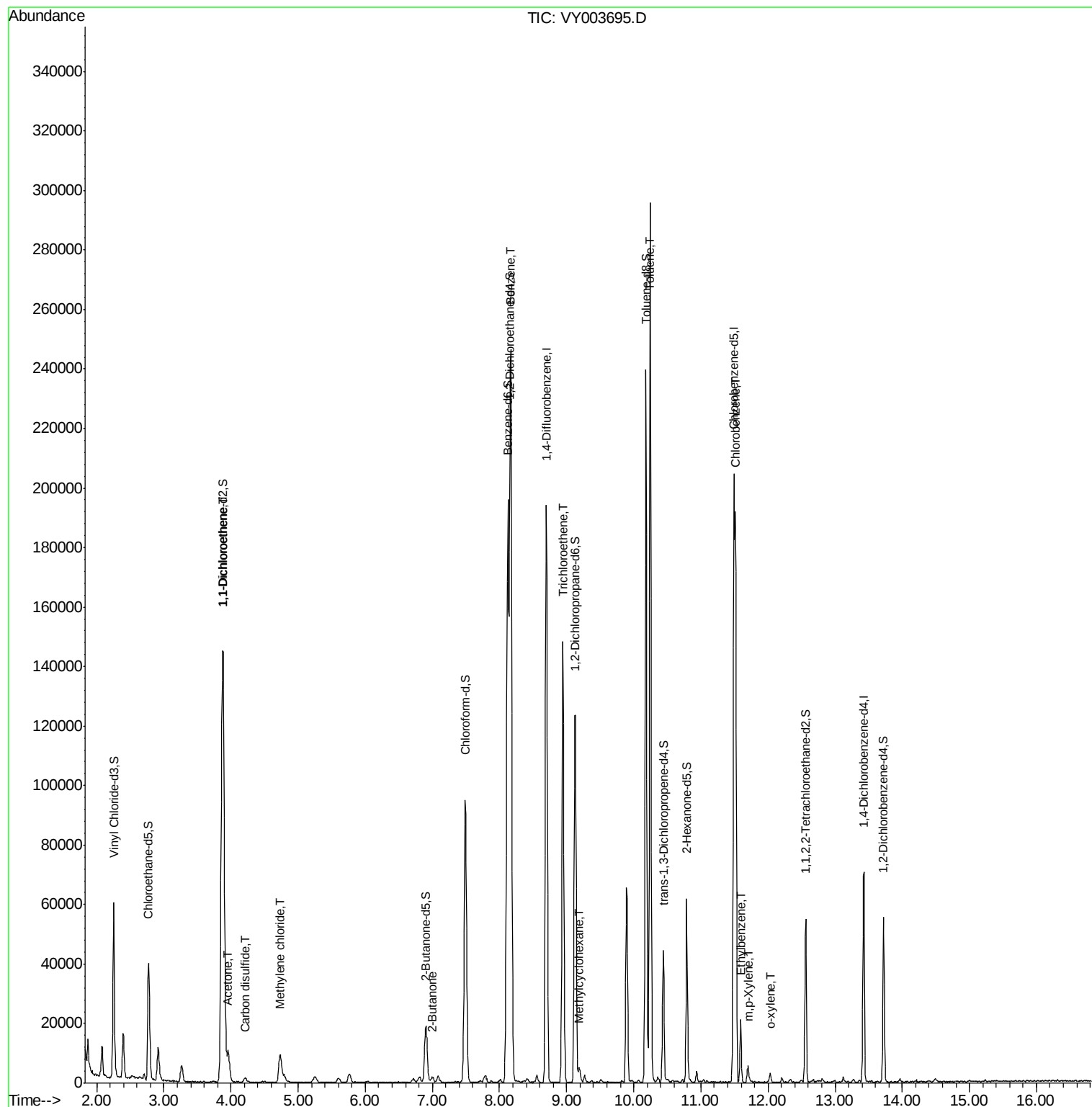
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\
Data File : VY003695.D
Acq On : 09 Dec 2020 13:09
Operator : SY/MD
Sample : L4979-07MS
Misc : 5.77G/10ML/MSVOA Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

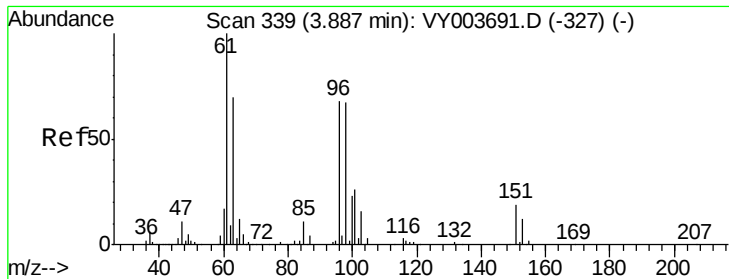
Instrument :
MSVOA_Y
ClientSampleId :
GB1F8

Manual Integrations
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12/11/2020 12:25:20 PM

Quant Time: Dec 10 03:09:13 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





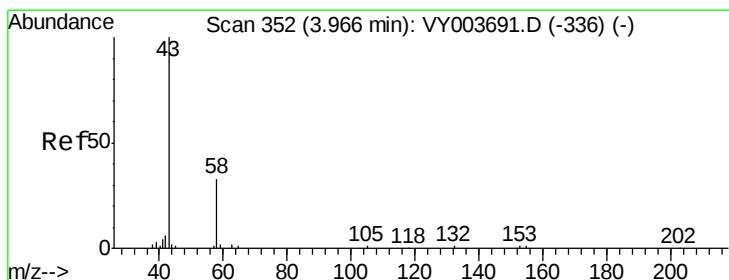
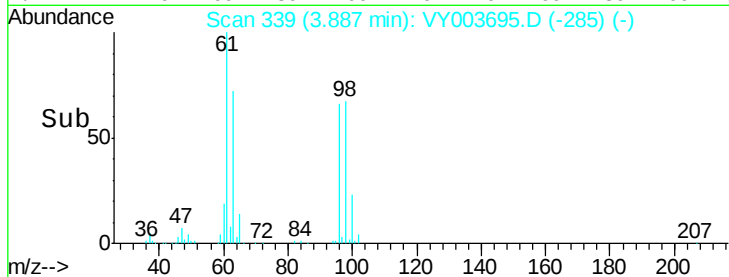
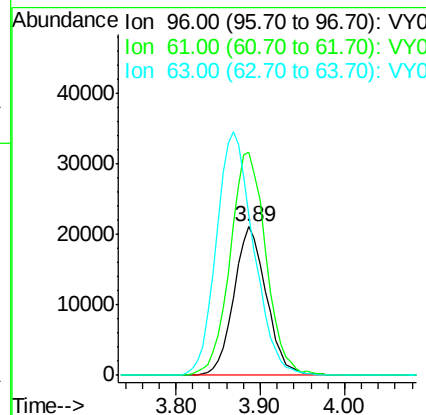
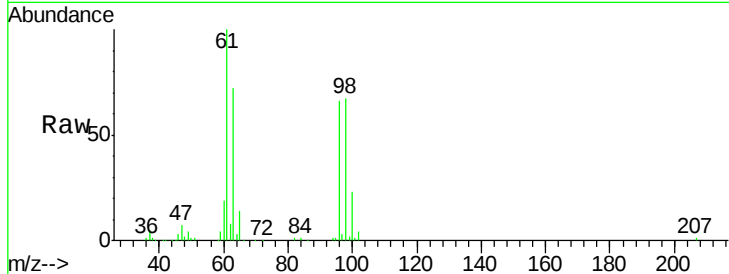
#12
 1,1-Dichloroethene
 Concen: 27.582 ug/L
 RT: 3.89 min Scan# 339
 Delta R.T. 0.00 min
 Lab File: VY003695.D
 Acq: 09 Dec 2020 13:09

Instrument :
 MSVOA_Y
 ClientSampled :
 GB1F8

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.6	108.5	201.5
63	108.2	87.8	163.0

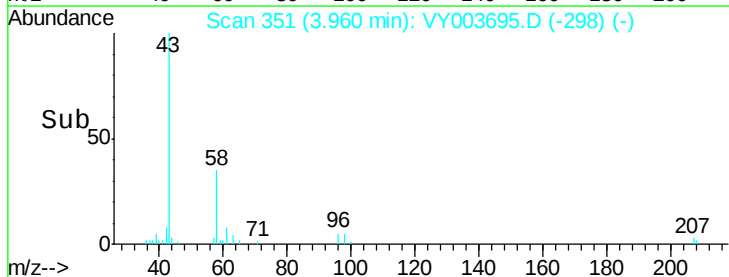
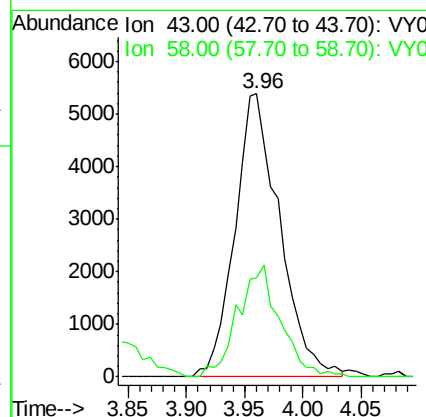
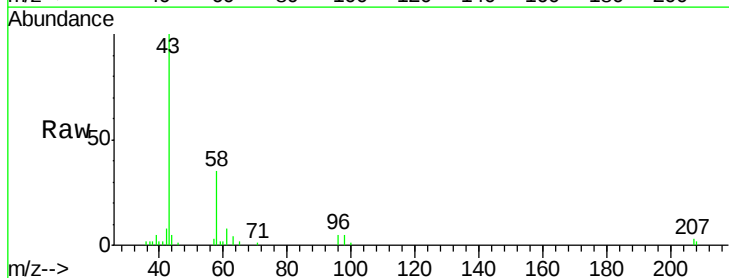
Manual Integrations
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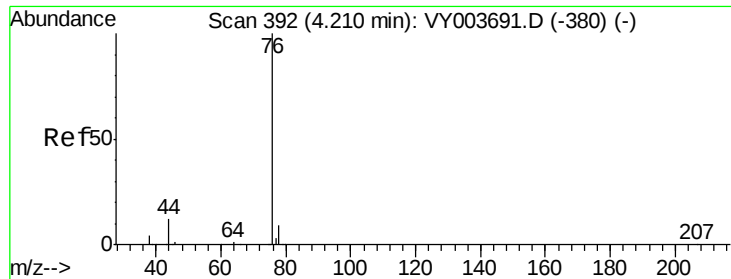
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#13
 Acetone
 Concen: 23.217 ug/L
 RT: 3.96 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VY003695.D
 Acq: 09 Dec 2020 13:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.0	0.0	68.8





#14

Carbon disulfide

Concen: 0.478 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.00 min

Lab File: VY003695.D

Acq: 09 Dec 2020 13:09

Instrument :

MSVOA_Y

ClientSampled :

GB1F8

Tot Ion: 76 Resp: 3189

Ion Ratio Lower Upper

76 100

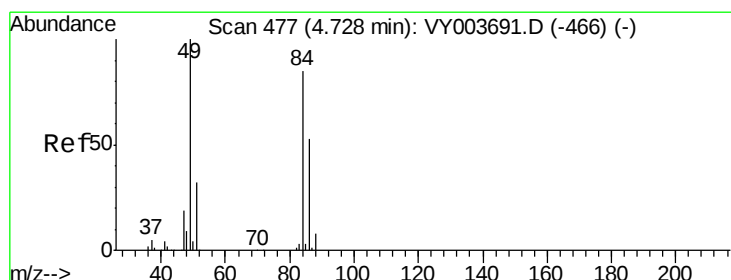
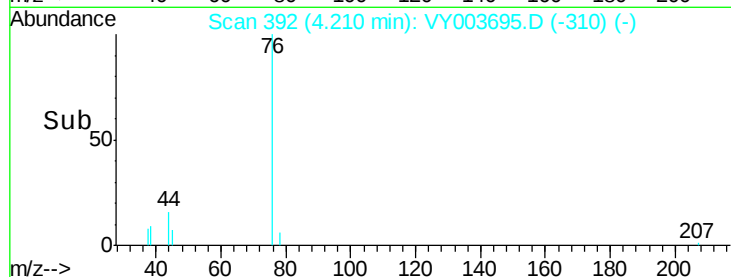
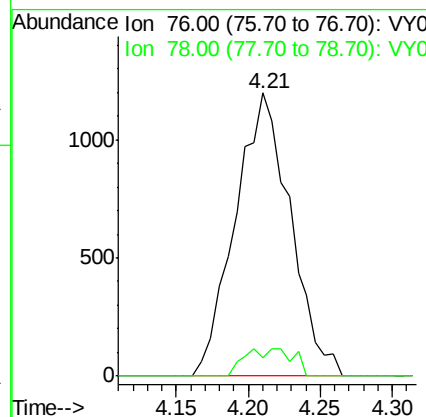
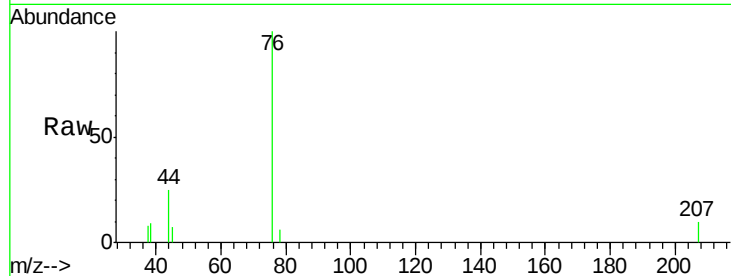
78 6.4 7.0 10.6#

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#16

Methylene chloride

Concen: 2.164 ug/L m

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VY003695.D

Acq: 09 Dec 2020 13:09

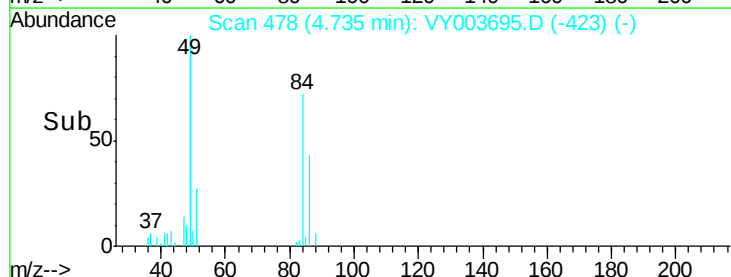
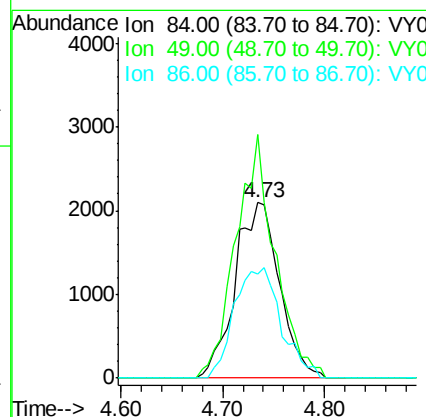
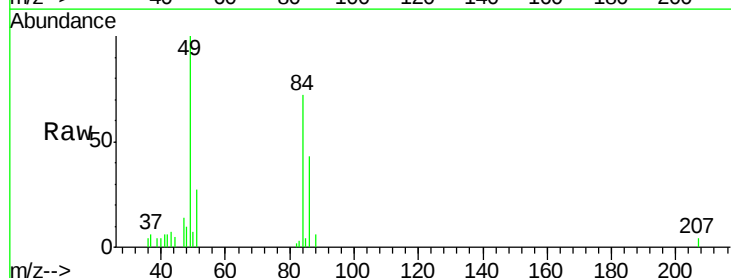
Tgt Ion: 84 Resp: 6359

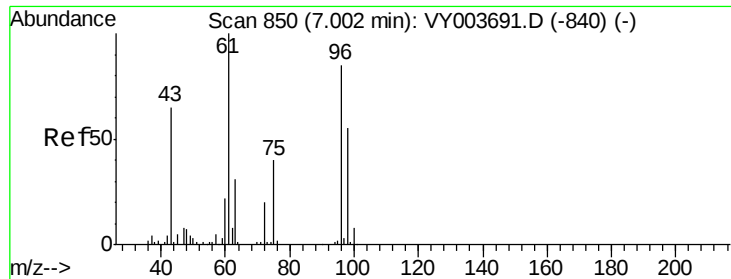
Ion Ratio Lower Upper

84 100

49 138.7 83.7 155.4

86 59.3 45.0 83.6





#21

2-Butanone

Concen: 2.485 ug/L

RT: 7.00 min Scan# 849

Delta R.T. -0.01 min

Lab File: VY003695.D

Acq: 09 Dec 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

GB1F8

Tot Ion: 43 Resp: 2714

Ion Ratio Lower Upper

43 100

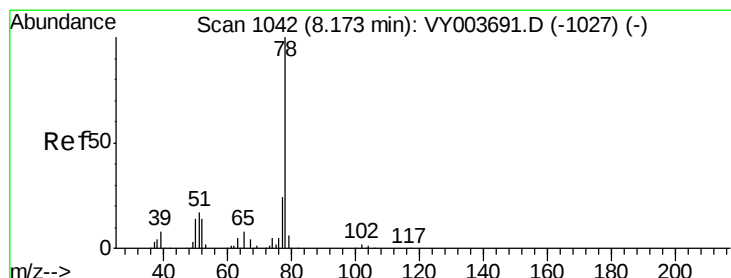
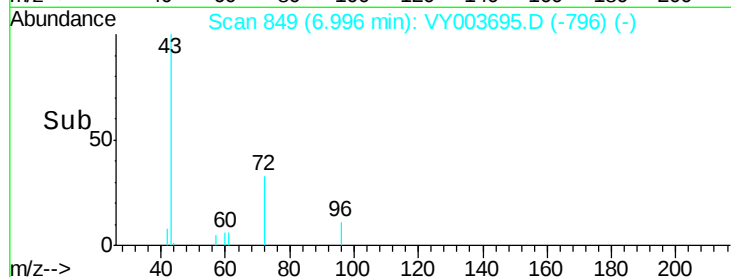
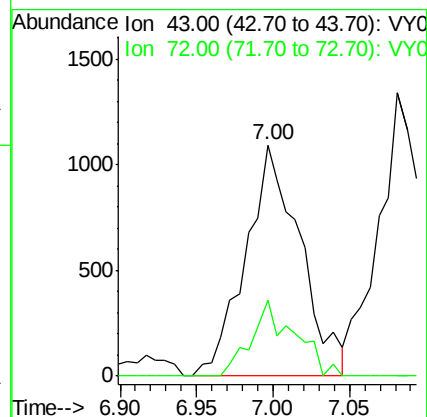
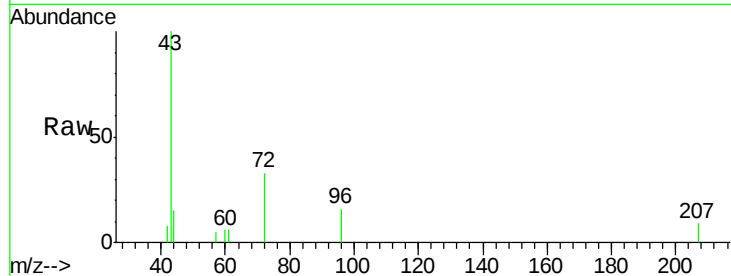
72 14.8 13.3 39.9

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#34

Benzene

Concen: 36.583 ug/L

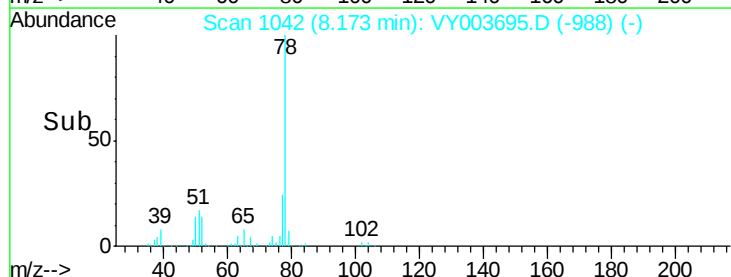
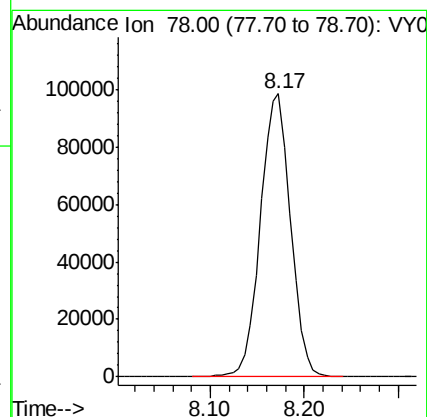
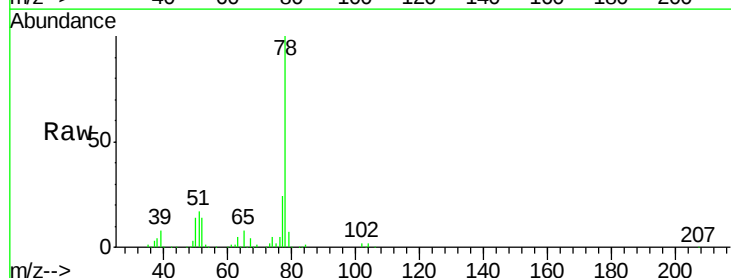
RT: 8.17 min Scan# 1042

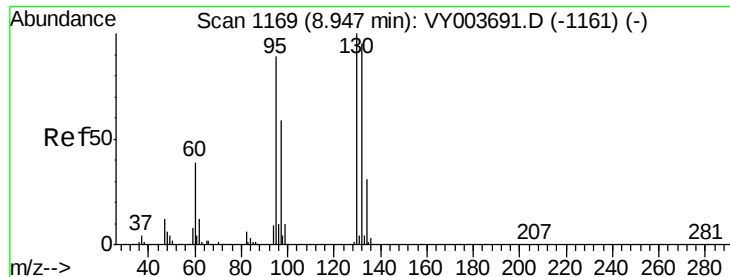
Delta R.T. 0.00 min

Lab File: VY003695.D

Acq: 09 Dec 2020 13:09

Tgt Ion: 78 Resp: 222076





#35

Trichloroethene

Concen: 29.842 ug/L

RT: 8.95 min Scan# 1169

Delta R.T. 0.00 min

Lab File: VY003695.D

Acq: 09 Dec 2020 13:09

Instrument :

MSVOA_Y

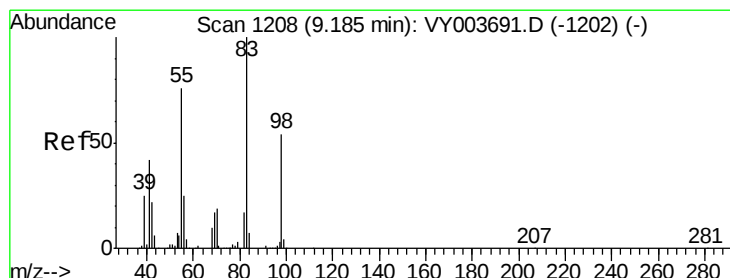
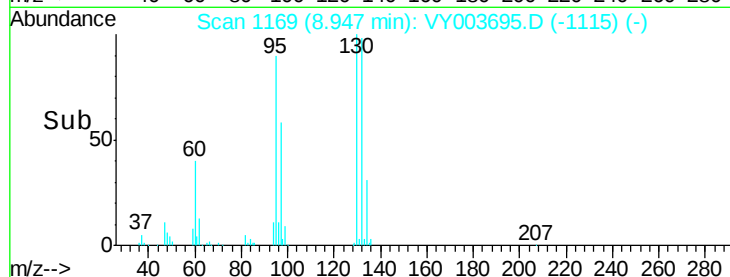
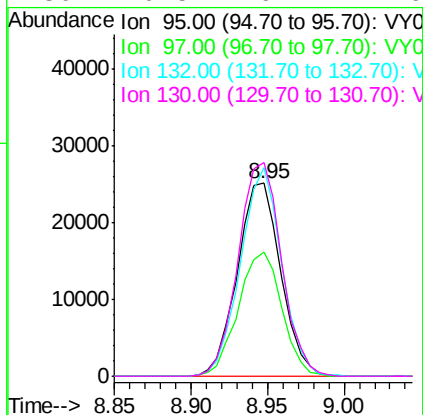
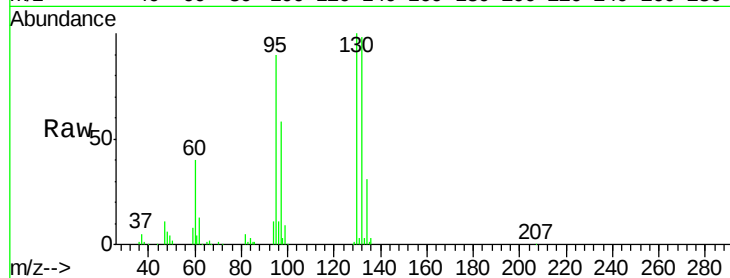
ClientSampleId :

GB1F8

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		49736		
97	64.4	45.8	85.0		
132	102.3	74.2	137.8		
130	110.5	76.2	141.6		

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#36

Methylcyclohexane

Concen: 0.643 ug/L

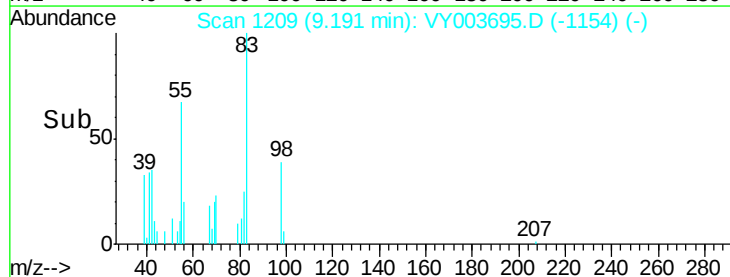
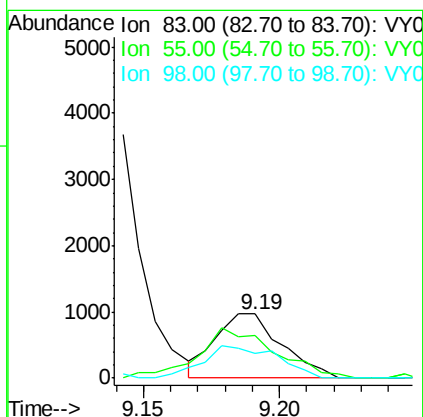
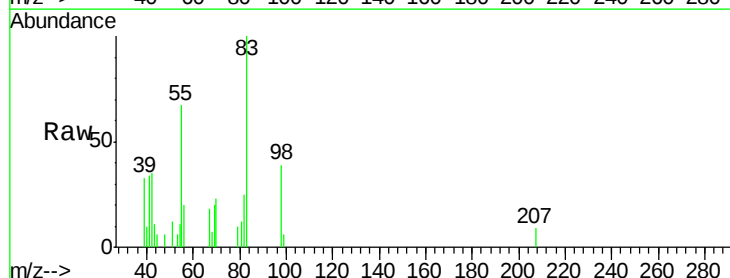
RT: 9.19 min Scan# 1209

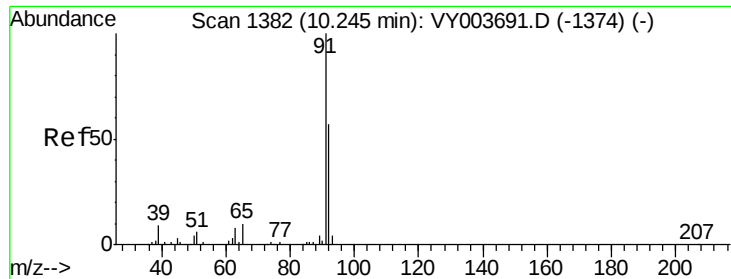
Delta R.T. 0.01 min

Lab File: VY003695.D

Acq: 09 Dec 2020 13:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		1643		
55	90.4	56.4	84.6#		
98	57.1	40.3	60.5		





#44

Toluene

Concen: 33.138 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003695.D

Acq: 09 Dec 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

GB1F8

Tot Ion: 91 Resp: 212204

Ion Ratio Lower Upper

91 100

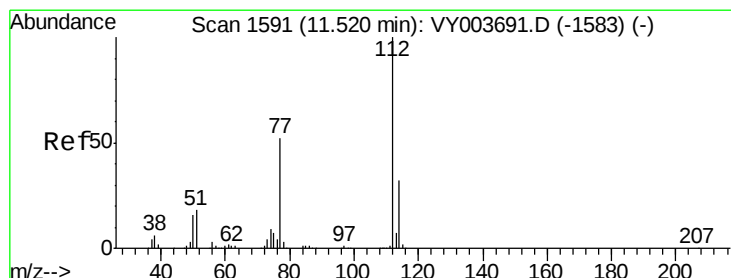
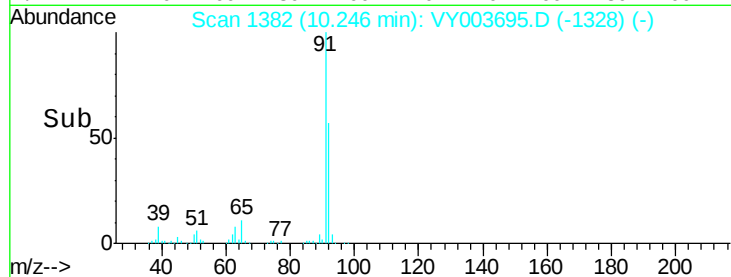
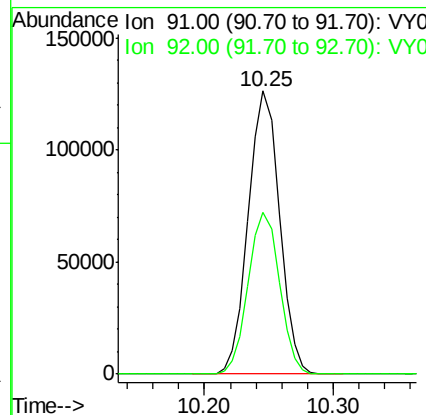
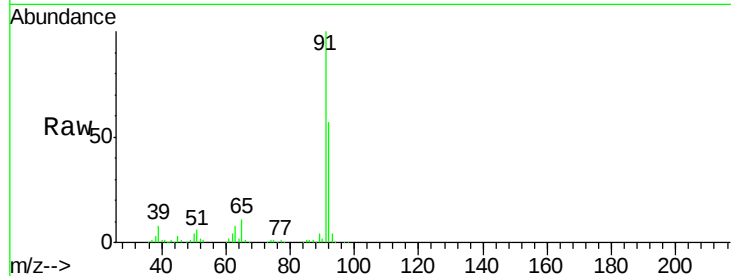
92 57.0 39.8 73.8

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#52

Chlorobenzene

Concen: 22.534 ug/L

RT: 11.52 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VY003695.D

Acq: 09 Dec 2020 13:09

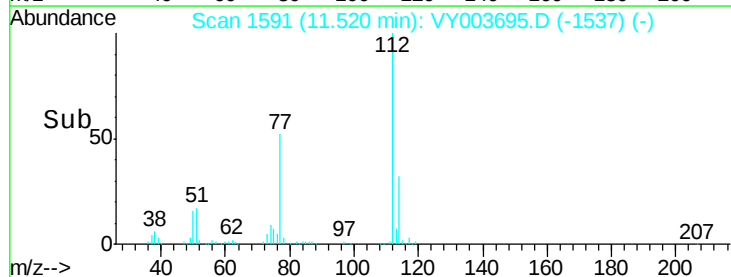
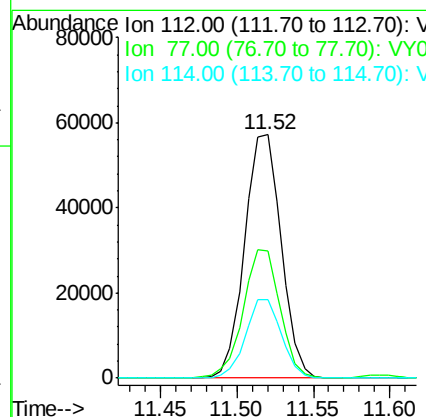
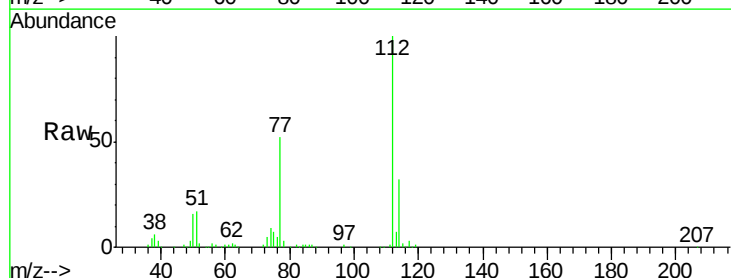
Tgt Ion: 112 Resp: 94963

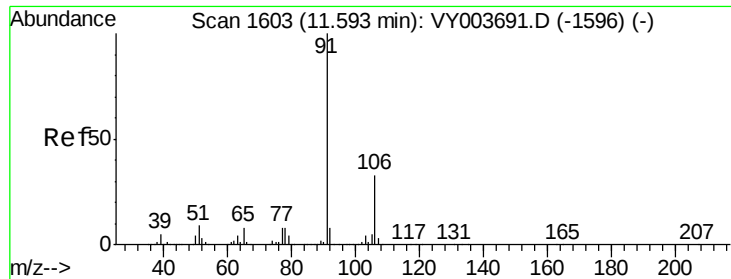
Ion Ratio Lower Upper

112 100

77 52.3 44.4 66.6

114 32.3 22.4 41.6





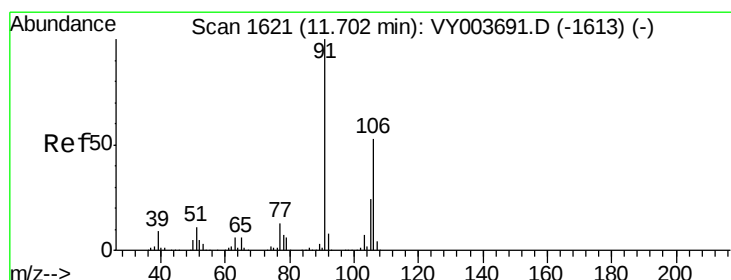
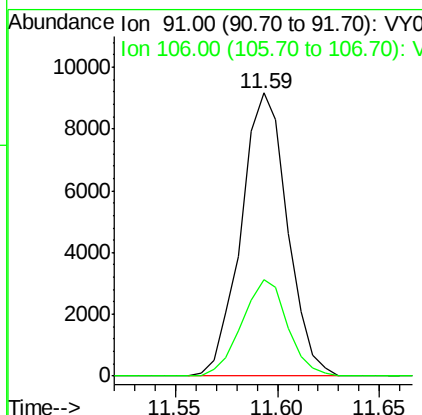
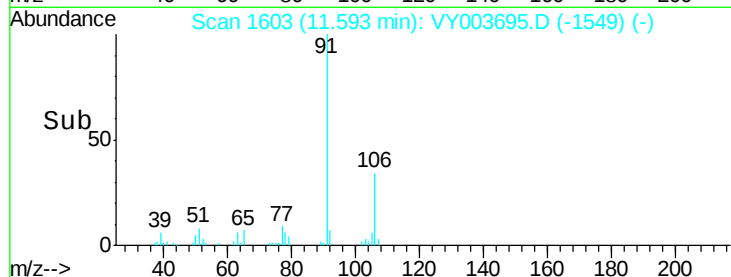
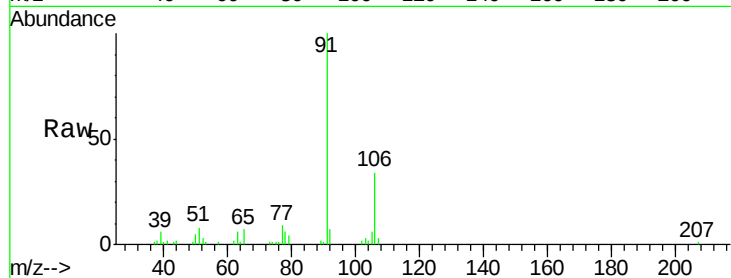
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Ethylbenzene
Concen: 2.068 ug/L
RT: 11.59 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VY003695.D
Acq: 09 Dec 2020 13:09

Instrument :
MSVOA_Y
ClientSampleId :
GB1F8

Tot Ion: 91 Resp: 14452
Ion Ratio Lower Upper
91 100
106 34.1 23.3 43.3

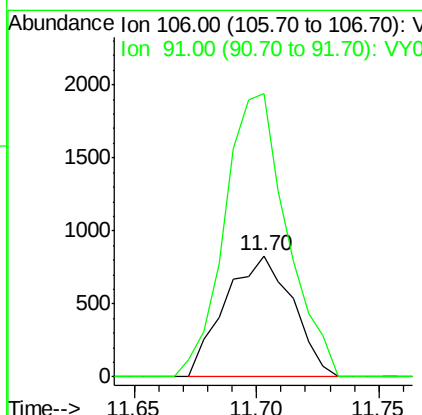
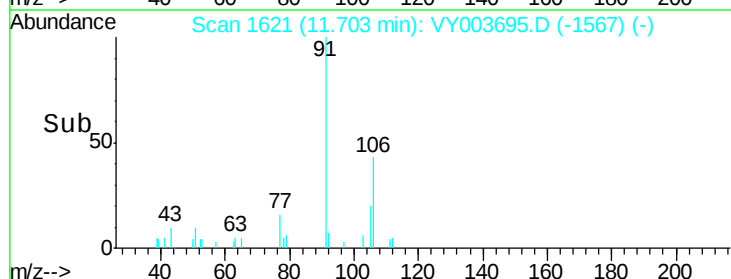
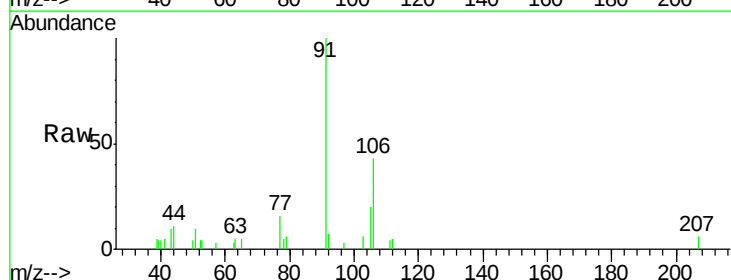
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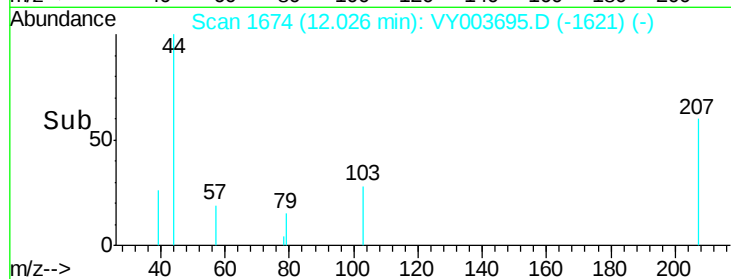
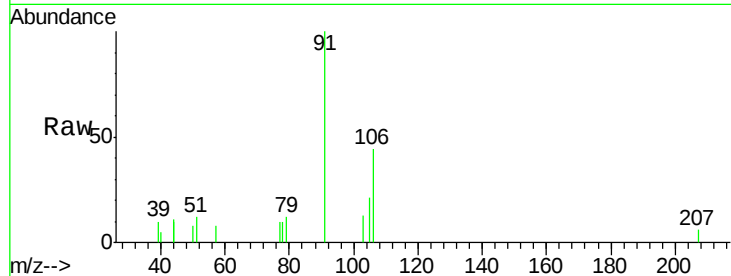
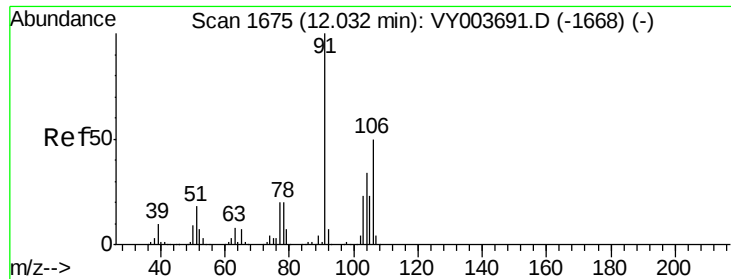
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#54
m,p-Xylene
Concen: 0.589 ug/L
RT: 11.70 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VY003695.D
Acq: 09 Dec 2020 13:09

Tgt Ion: 106 Resp: 1589
Ion Ratio Lower Upper
106 100
91 233.5 131.3 243.9





#55
o-xylene
Concen: 0.334 ug/L
RT: 12.03 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VY003695.D
Acq: 09 Dec 2020 13:09

Tot Ion	Ratio	Lower	Upper
106	100		
91	228.2	141.7	263.3

Instrument :
MSVOA_Y
ClientSampleId :
GB1F8

Manual Integrations
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