

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120820\
 Data File : VY003683.D
 Acq On : 08 Dec 2020 18:15
 Operator : SY/MD
 Sample : L4979-08MSD
 Misc : 4.68G/10ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F8MSD

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:59:31 AM

Quant Time: Dec 09 02:51:22 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	185632	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	118759	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	24116	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	73112	27.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.40%
7) Chloroethane-d5	2.77	69	56920	28.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.96%
10) 1,1-Dichloroethene-d2	3.86	63	130547	26.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.68%
20) 2-Butanone-d5	6.90	46	35849	38.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.62%
24) Chloroform-d	7.49	84	120713	25.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.08%
26) 1,2-Dichloroethane-d4	8.15	65	64549	24.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.04%
29) Benzene-d6	8.12	84	257868	37.51	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	150.04%#
33) 1,2-Dichloropropane-d6	9.12	67	73283	36.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	144.08%#
37) Toluene-d8	10.18	98	190949	30.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	123.92%
38) trans-1,3-Dichloropropene-	10.44	79	27712	28.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	114.00%
39) 2-Hexanone-d5	10.79	63	24880	48.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.62%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	34689	19.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.56%
61) 1,2-Dichlorobenzene-d4	13.72	152	19984	22.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	3.89	96	62102	27.955	ug/L	87
13) Acetone	3.96	43	14730	21.472	ug/L	99
14) Carbon disulfide	4.21	76	2057	0.278	ug/L #	93
16) Methylene chloride	4.73	84	7966	2.444	ug/L	93
21) 2-Butanone	6.99	43	2348	1.938	ug/L	91
30) Cyclohexane	7.78	56	1691m	0.661	ug/L	
34) Benzene	8.17	78	250200	36.828	ug/L	100
35) Trichloroethene	8.95	95	54368	29.149	ug/L	98
36) Methylcyclohexane	9.19	83	1692	0.592	ug/L #	80
44) Toluene	10.25	91	241152	33.651	ug/L	97
52) Chlorobenzene	11.52	112	108062	22.913	ug/L	96
53) Ethylbenzene	11.59	91	15338	1.961	ug/L	93
54) m,p-Xylene	11.70	106	1907	0.632	ug/L	83
55) o-xylene	12.02	106	794	0.274	ug/L #	58

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

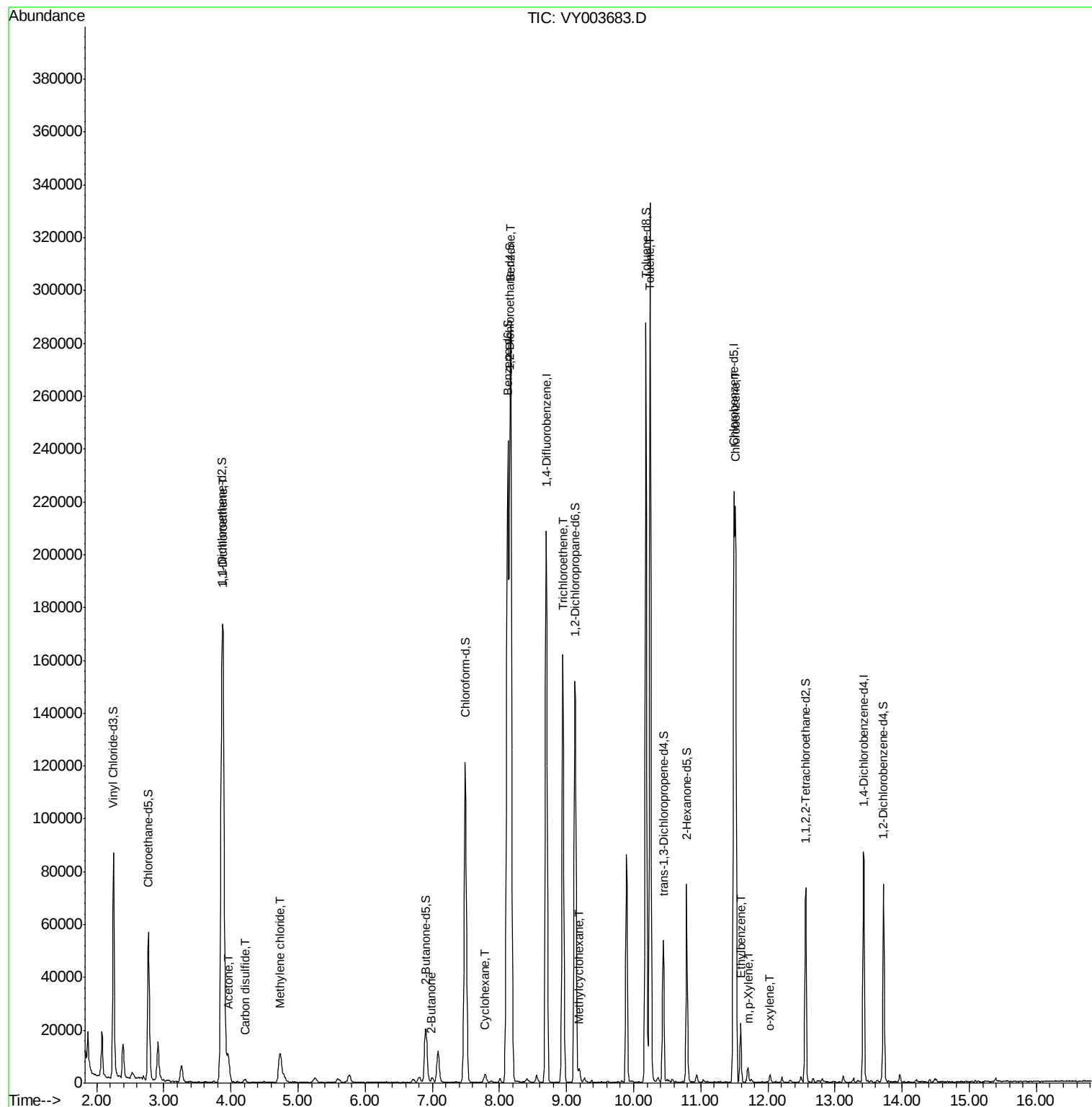
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY120820\
Data File : VY003683.D
Acq On : 08 Dec 2020 18:15
Operator : SY/MD
Sample : L4979-08MSD
Misc : 4.68G/10ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

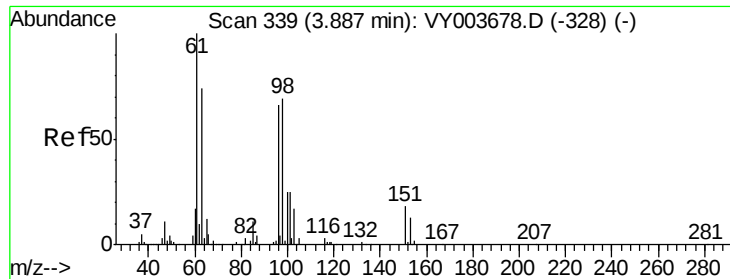
Instrument :
MSVOA_Y
ClientSampleId :
GB1F8MSD

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:59:31 AM

Quant Time: Dec 09 02:51:22 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





#12

1,1-Dichloroethene

Concen: 27.955 ug/L

RT: 3.89 min Scan# 339

Delta R.T. 0.00 min

Lab File: VY003683.D

Acq: 08 Dec 2020 18:15

Instrument :

MSVOA_Y

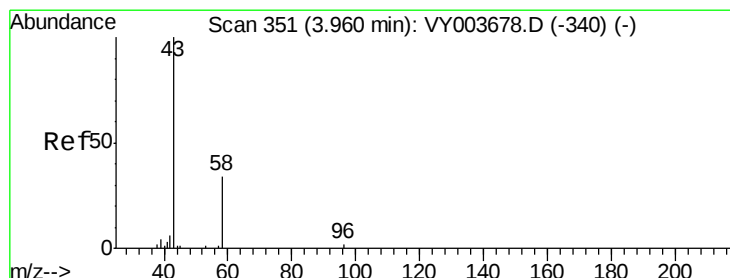
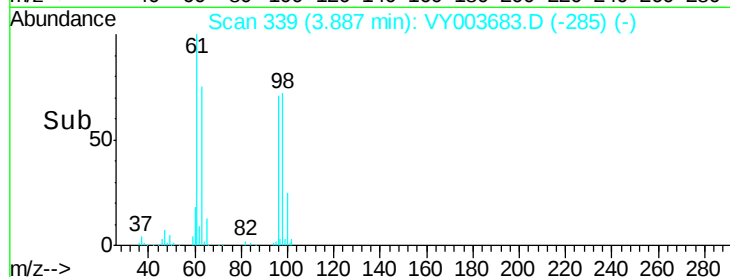
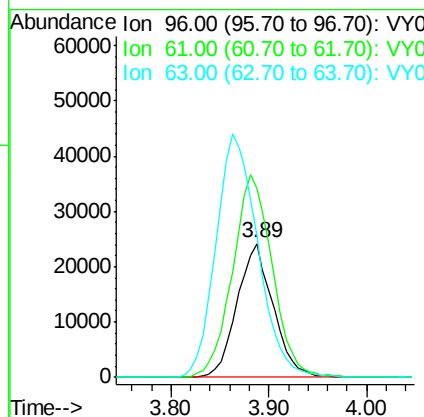
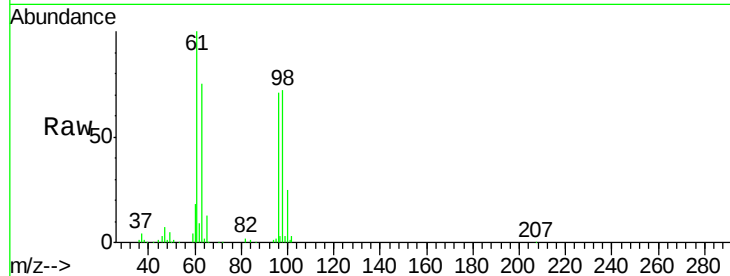
ClientSampleId :

GB1F8MSD

Tot Ion:	96	Resp:	62102
Ion	Ratio	Lower	Upper
96	100		
61	141.5	108.5	201.5
63	105.8	87.8	163.0

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:59:31 AM



#13

Acetone

Concen: 21.472 ug/L

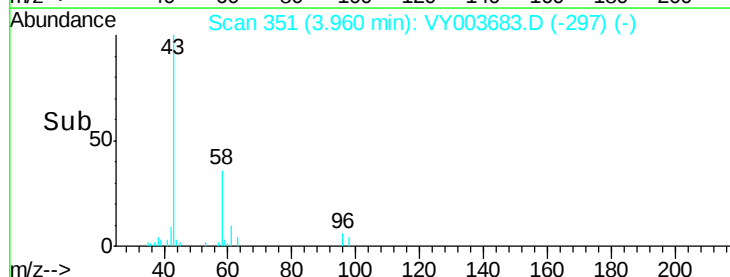
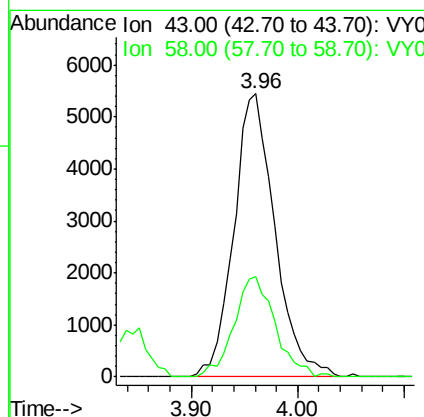
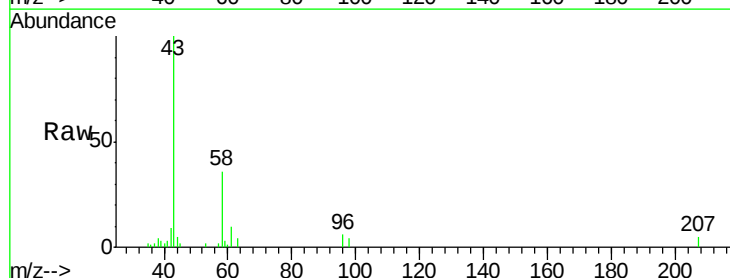
RT: 3.96 min Scan# 351

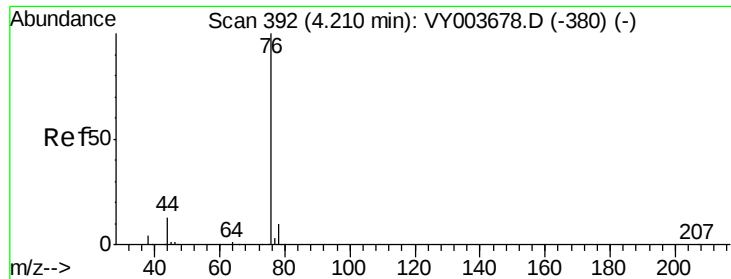
Delta R.T. 0.00 min

Lab File: VY003683.D

Acq: 08 Dec 2020 18:15

Tgt Ion:	43	Resp:	14730
Ion	Ratio	Lower	Upper
43	100		
58	35.2	0.0	68.8





#14

Carbon disulfide

Concen: 0.278 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.00 min

Lab File: VY003683.D

Acq: 08 Dec 2020 18:15

Instrument :

MSVOA_Y

ClientSampleId :

GB1F8MSD

Tot Ion: 76 Resp: 2057

Ion Ratio Lower Upper

76 100

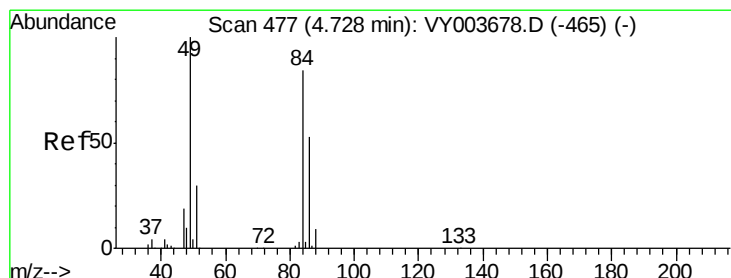
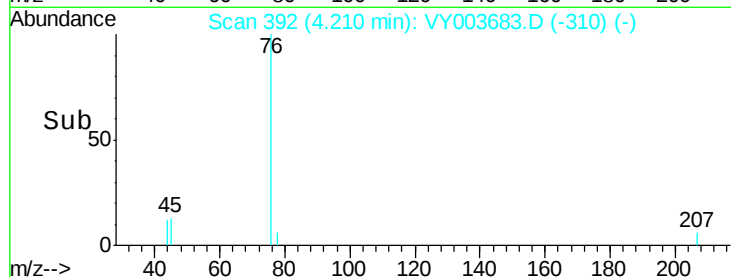
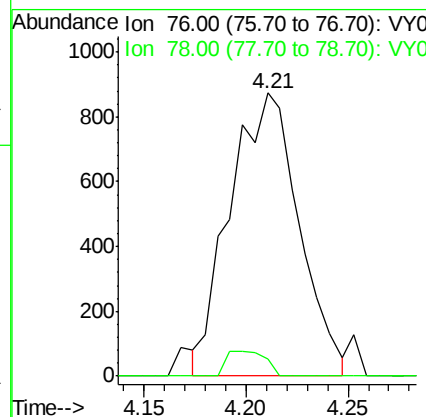
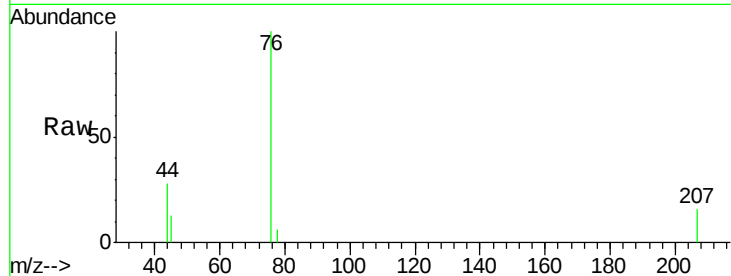
78 6.3 7.0 10.6#

Manual Integrations

APPROVED

MMDadoda

12/10/2020 9:59:31 AM



#16

Methylene chloride

Concen: 2.444 ug/L

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VY003683.D

Acq: 08 Dec 2020 18:15

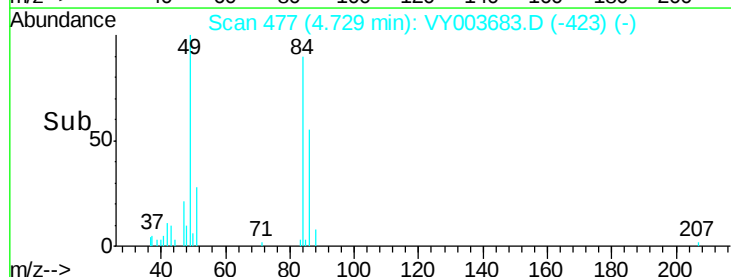
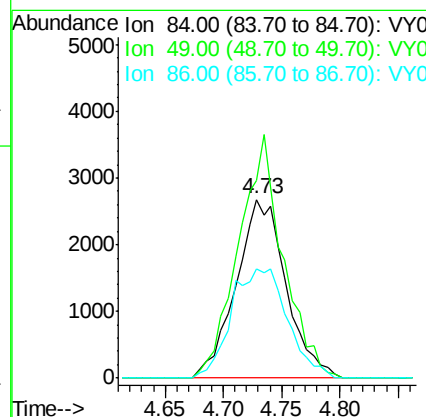
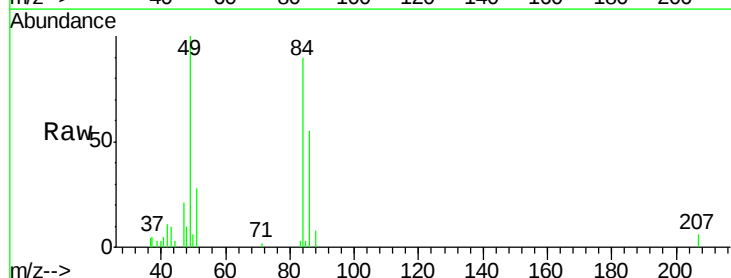
Tgt Ion: 84 Resp: 7966

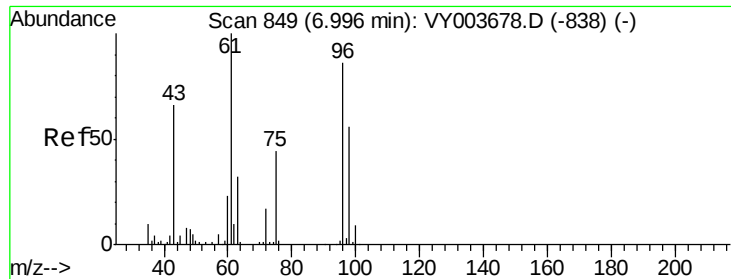
Ion Ratio Lower Upper

84 100

49 110.6 83.7 155.4

86 61.0 45.0 83.6





#21

2-Butanone

Concen: 1.938 ug/L

RT: 6.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VY003683.D

Acq: 08 Dec 2020 18:15

Instrument :

MSVOA_Y

ClientSampleId :

GB1F8MSD

Tot Ion: 43 Resp: 2348

Ion Ratio Lower Upper

43 100

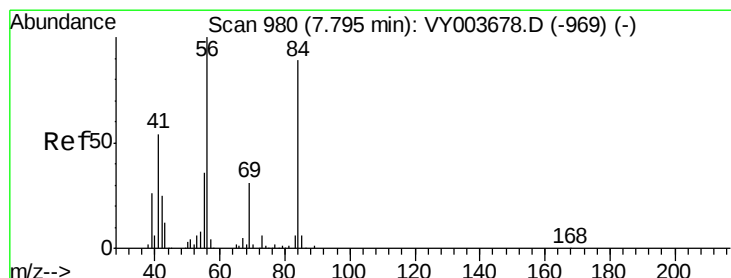
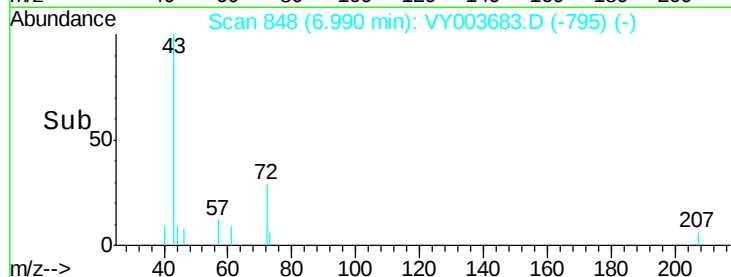
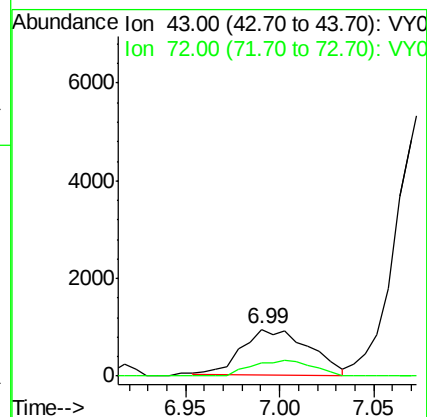
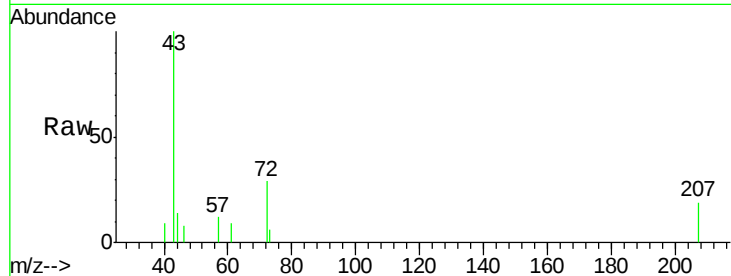
72 31.1 13.3 39.9

Manual Integrations

APPROVED

MMDadoda

12/10/2020 9:59:31 AM



#30

Cyclohexane

Concen: 0.661 ug/L m

RT: 7.78 min Scan# 978

Delta R.T. -0.01 min

Lab File: VY003683.D

Acq: 08 Dec 2020 18:15

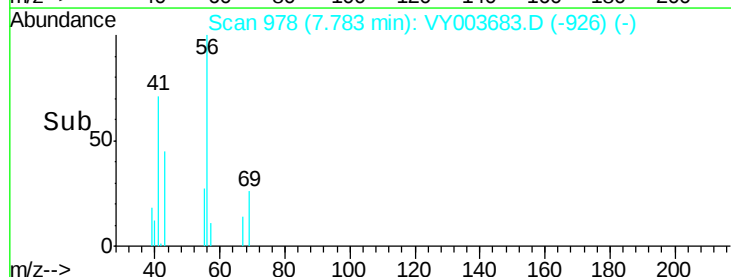
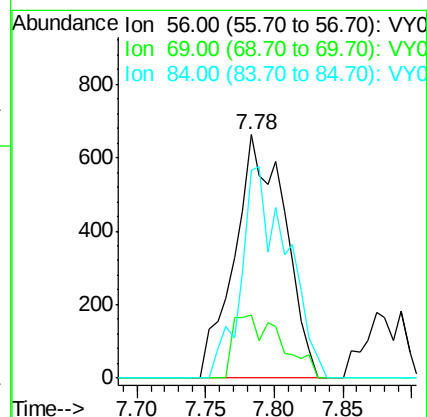
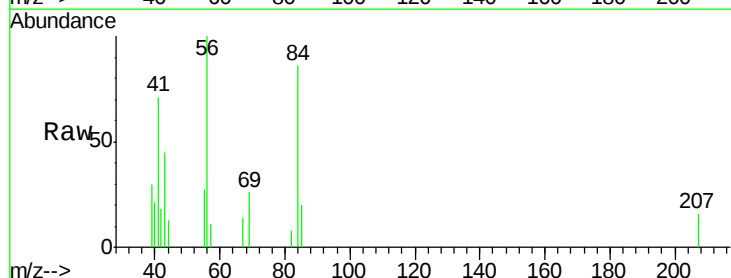
Tgt Ion: 56 Resp: 1691

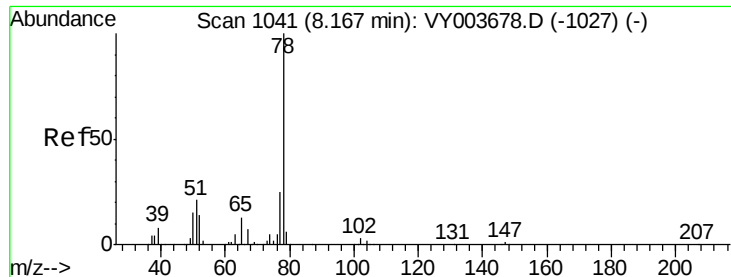
Ion Ratio Lower Upper

56 100

69 13.1 23.8 35.8#

84 29.0 73.2 109.8#





#34

Benzene

Concen: 36.828 ug/L

RT: 8.17 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VY003683.D

Acq: 08 Dec 2020 18:15

Instrument :

MSVOA_Y

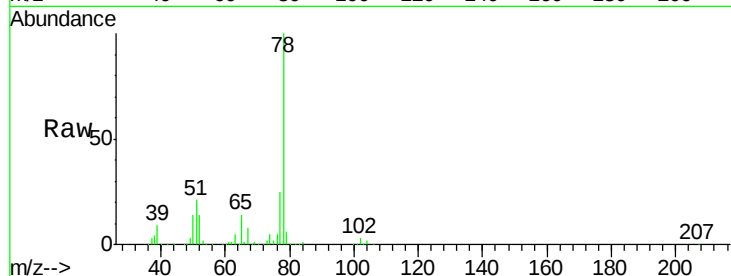
ClientSampleId :

GB1F8MSD

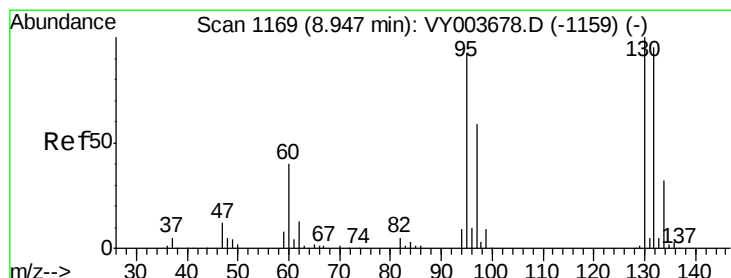
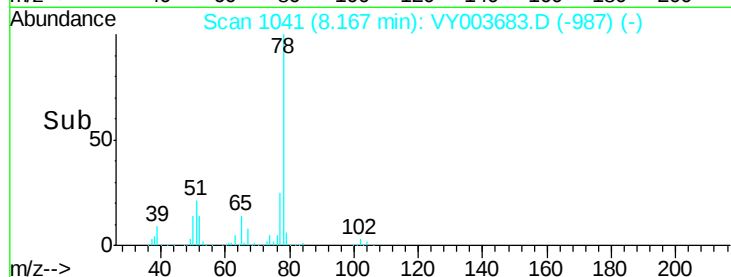
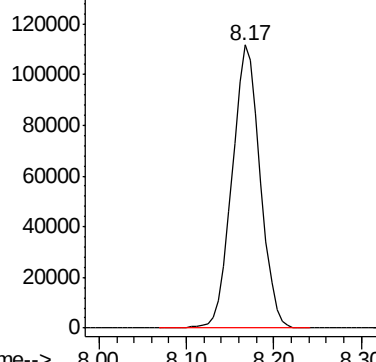
Tgt Ion: 78 Resp: 250200

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:59:31 AM



Abundance Ion 78.00 (77.70 to 78.70): VY0



#35

Trichloroethene

Concen: 29.149 ug/L

RT: 8.95 min Scan# 1169

Delta R.T. 0.00 min

Lab File: VY003683.D

Acq: 08 Dec 2020 18:15

Tgt Ion: 95 Resp: 54368

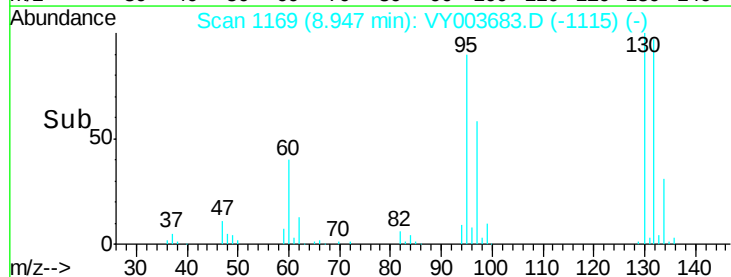
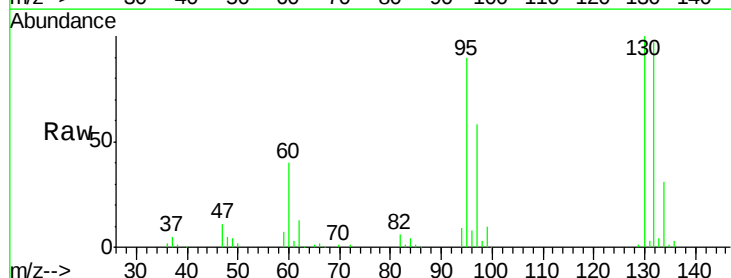
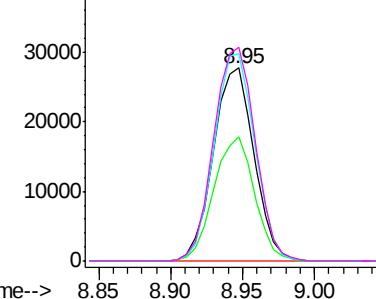
Ion	Ratio	Lower	Upper
95	100		
97	64.0	45.8	85.0
132	107.2	74.2	137.8
130	112.8	76.2	141.6

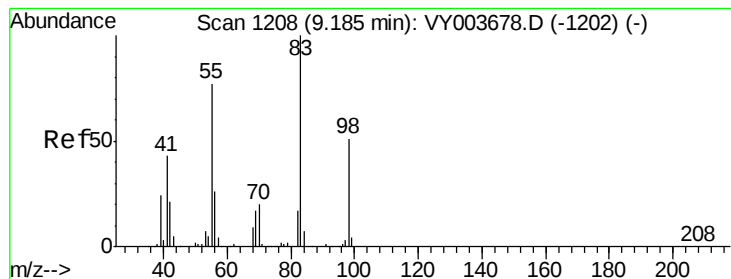
Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0





#36

Methvlcvclohexane

Concen: 0.592 ug/L

RT: 9.19 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VY003683.D

Acq: 08 Dec 2020 18:15

Instrument :

MSVOA_Y

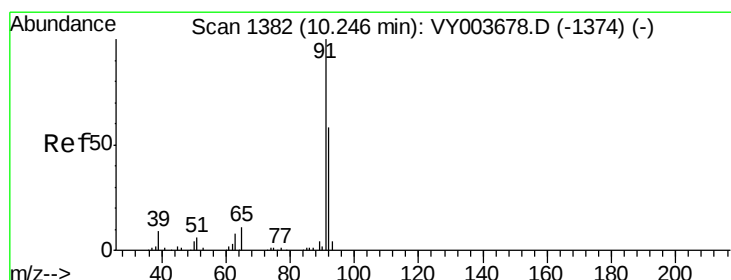
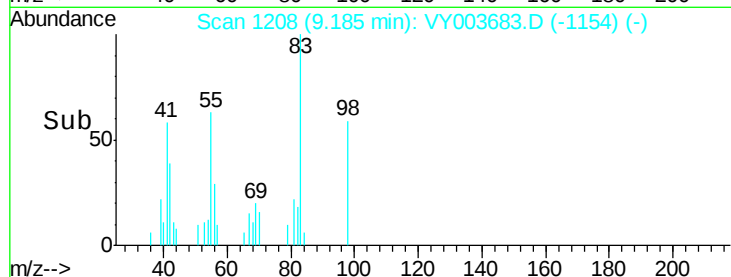
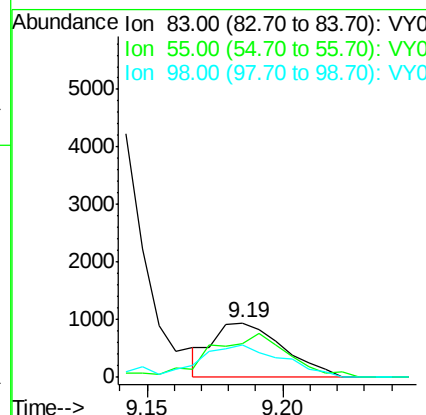
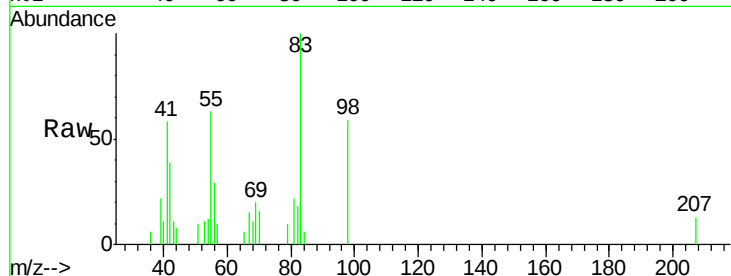
ClientSampleId :

GB1F8MSD

Tot Ion:	83	Resp:	1692
Ion	Ratio	Lower	Upper
83	100		
55	57.2	56.4	84.6
98	68.4	40.3	60.5#

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:59:31 AM



#44

Toluene

Concen: 33.651 ug/L

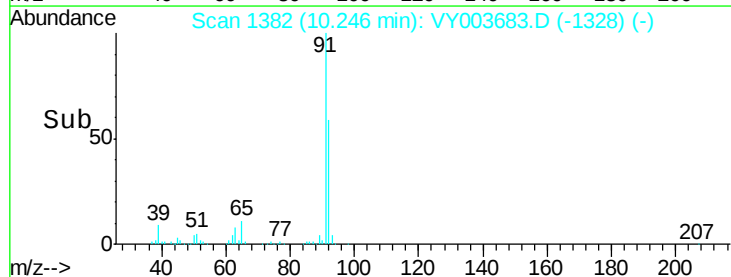
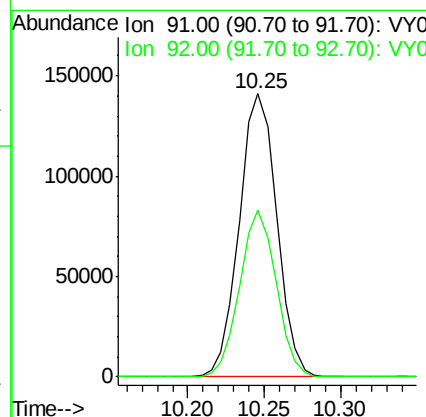
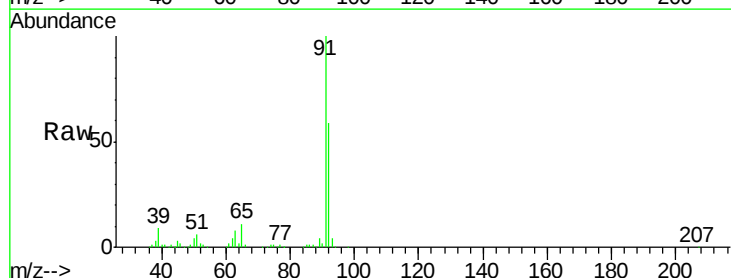
RT: 10.25 min Scan# 1382

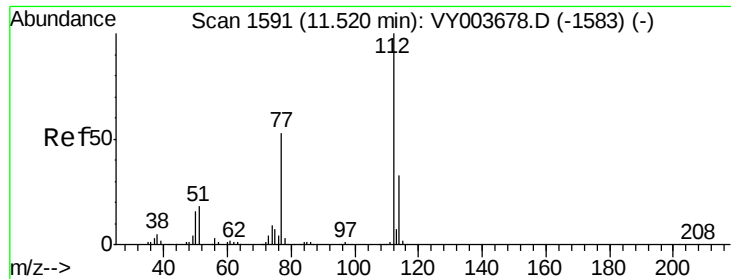
Delta R.T. 0.00 min

Lab File: VY003683.D

Acq: 08 Dec 2020 18:15

Tgt Ion:	91	Resp:	241152
Ion	Ratio	Lower	Upper
91	100		
92	58.9	39.8	73.8





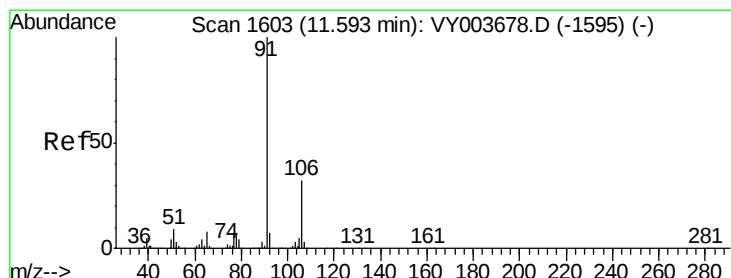
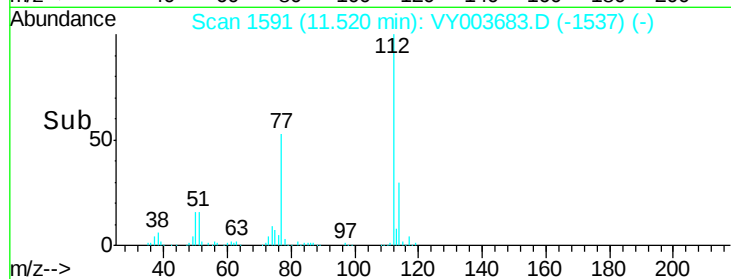
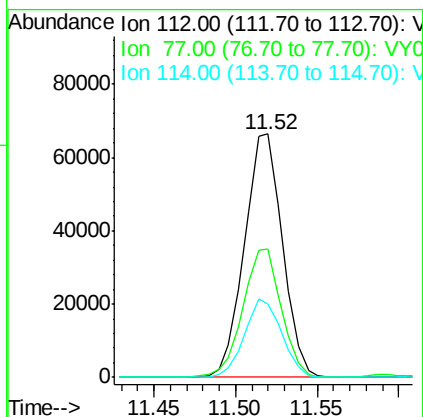
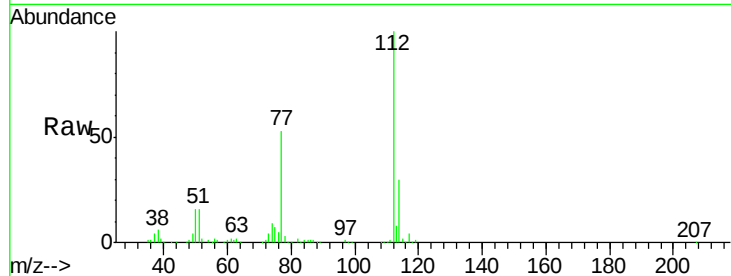
#52
Chlorobenzene
Concen: 22.913 ug/L
RT: 11.52 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VY003683.D
Acq: 08 Dec 2020 18:15

Instrument :
MSVOA_Y
ClientSampleId :
GB1F8MSD

Tot Ion	Ratio	Lower	Upper
112	100		
77	52.7	44.4	66.6
114	30.3	22.4	41.6

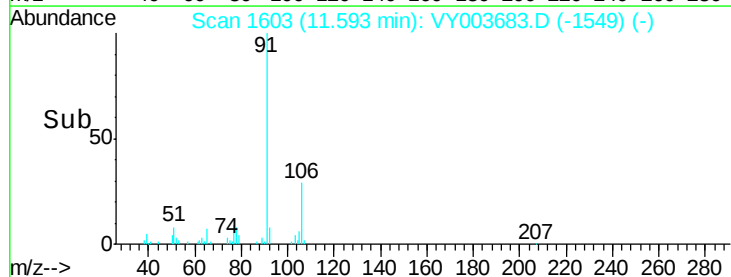
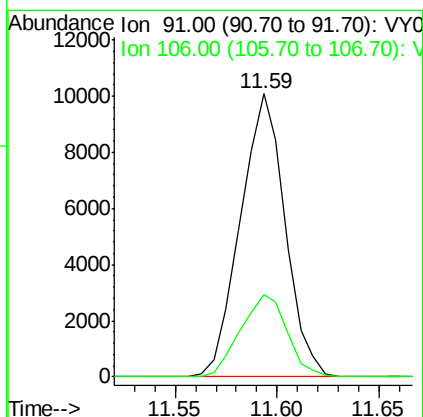
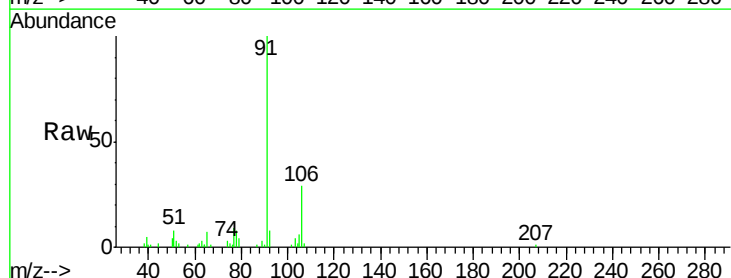
Manual Integrations
APPROVED

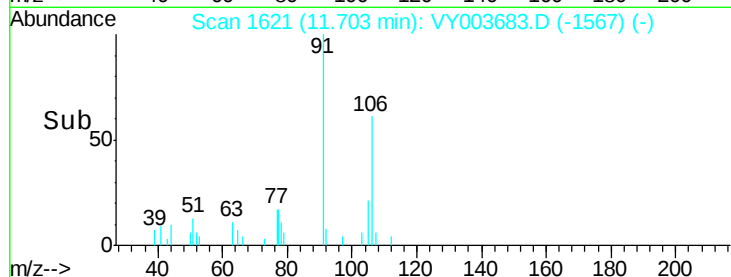
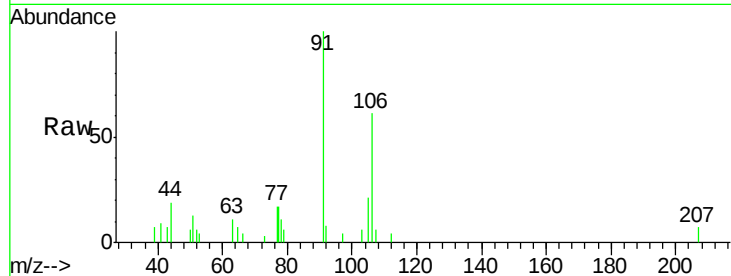
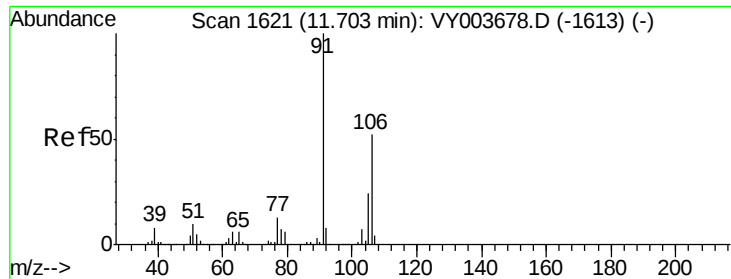
MMDadoda
12/10/2020 9:59:31 AM



#53
Ethylbenzene
Concen: 1.961 ug/L
RT: 11.59 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VY003683.D
Acq: 08 Dec 2020 18:15

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.3	43.3





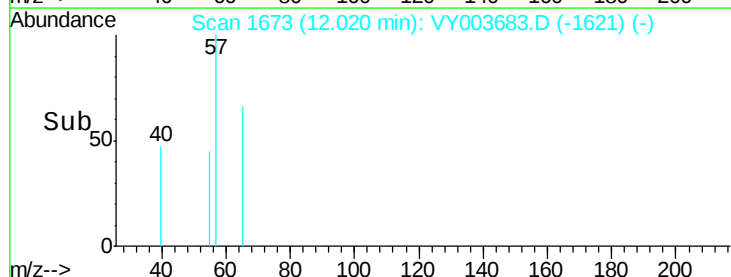
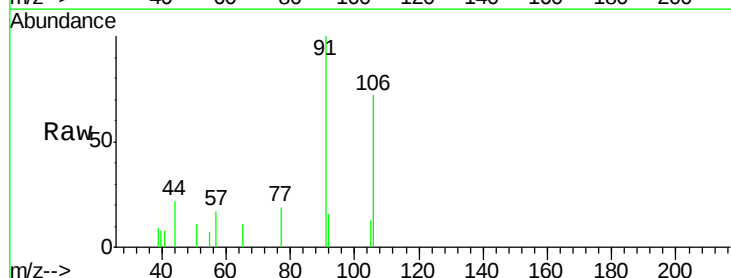
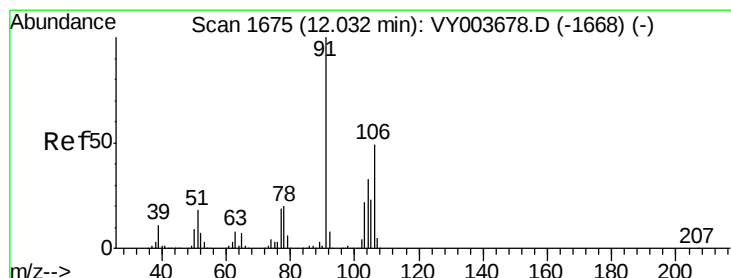
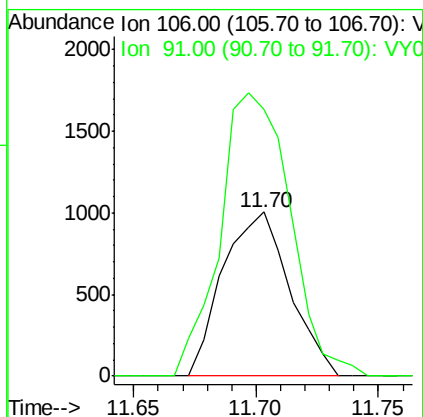
#54
m,p-Xylene
Concen: 0.632 ug/L
RT: 11.70 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VY003683.D
Acq: 08 Dec 2020 18:15

Tot Ion:106 Resp: 1907
Ion Ratio Lower Upper
106 100
91 162.8 131.3 243.9

Instrument :
MSVOA_Y
ClientSampleId :
GB1F8MSD

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:59:31 AM



#55
o-xylene
Concen: 0.274 ug/L
RT: 12.02 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VY003683.D
Acq: 08 Dec 2020 18:15

Tgt Ion:106 Resp: 794
Ion Ratio Lower Upper
106 100
91 138.9 141.7 263.3#

