

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120820\
 Data File : VY003685.D
 Acq On : 08 Dec 2020 19:00
 Operator : SY/MD
 Sample : L4979-03
 Misc : 5.36G/10ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F5

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:59:34 AM

Quant Time: Dec 09 02:56:48 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	213661	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	199044	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	93063	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	73090	24.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.76%
7) Chloroethane-d5	2.77	69	57297	25.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.56%
10) 1,1-Dichloroethene-d2	3.86	63	109014	19.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.68%
20) 2-Butanone-d5	6.90	46	38016	35.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.58%
24) Chloroform-d	7.49	84	135783	24.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	8.15	65	74554	24.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.40%
29) Benzene-d6	8.12	84	297021	25.77	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.08%
33) 1,2-Dichloropropane-d6	9.12	67	87310	25.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.40%
37) Toluene-d8	10.18	98	268782	26.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.08%
38) trans-1,3-Dichloropropene-	10.44	79	40818	25.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.16%
39) 2-Hexanone-d5	10.79	63	32148	37.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.26%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	74744	24.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.40%
61) 1,2-Dichlorobenzene-d4	13.72	152	91089	26.94	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	2.12	50	785	0.301	ug/L	93
13) Acetone	3.96	43	5565	7.048	ug/L	93
16) Methylene chloride	4.74	84	8405m	2.240	ug/L	
21) 2-Butanone	7.00	43	1306	0.937	ug/L	93
34) Benzene	8.17	78	4558	0.400	ug/L	100
36) Methylcyclohexane	9.19	83	1610	0.336	ug/L	93
44) Toluene	10.25	91	21258	1.770	ug/L	97
53) Ethylbenzene	11.59	91	13208	1.008	ug/L	96
54) m,p-Xylene	11.70	106	1607	0.318	ug/L	96

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

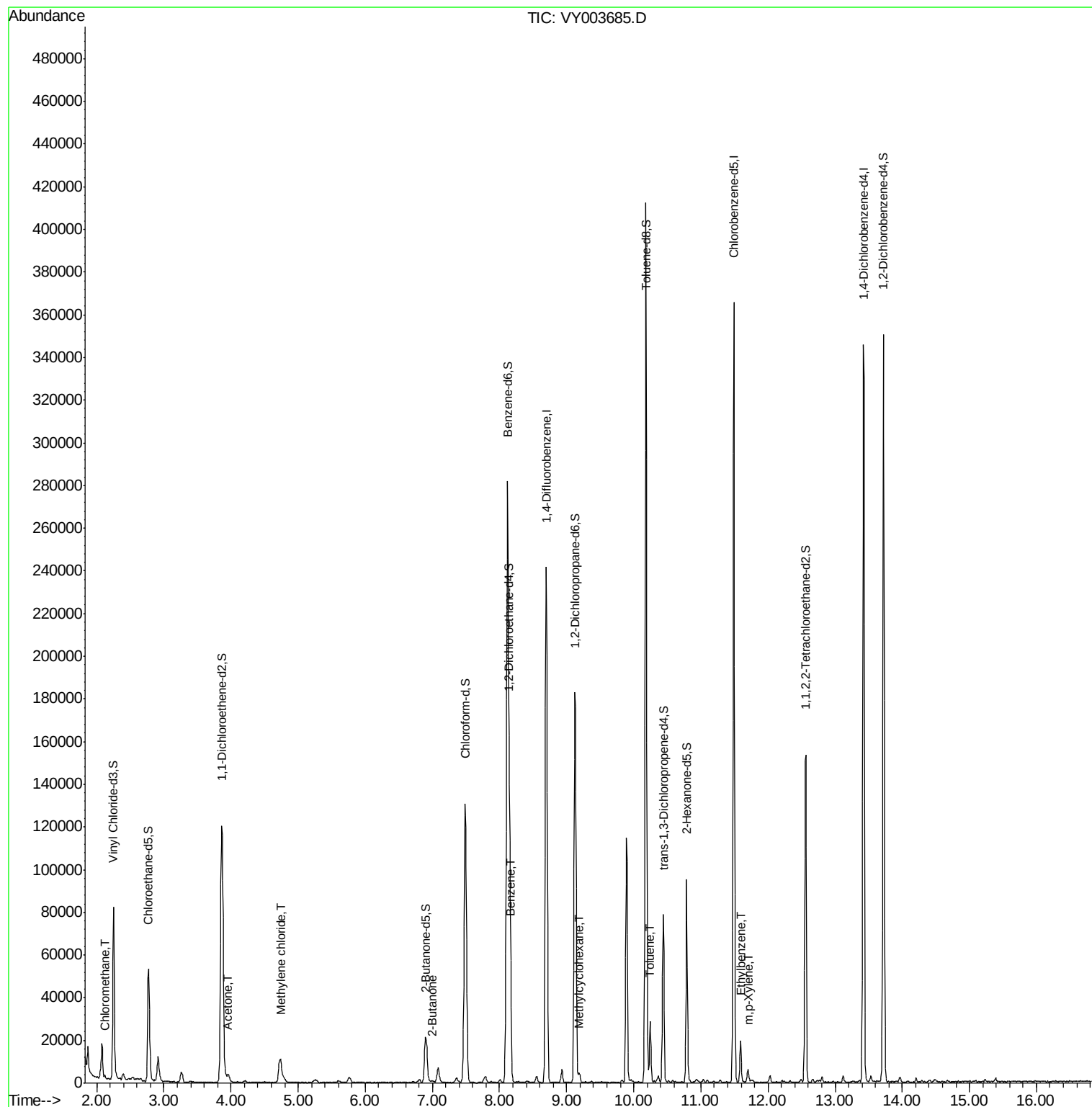
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY120820\
Data File : VY003685.D
Acq On : 08 Dec 2020 19:00
Operator : SY/MD
Sample : L4979-03
Misc : 5.36G/10ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

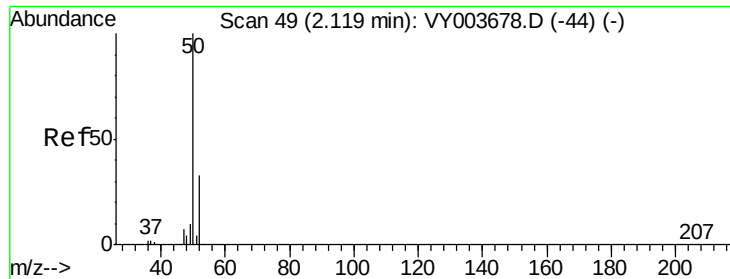
Instrument :
MSVOA_Y
ClientSampleId :
GB1F5

Manual Integrations
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Quant Time: Dec 09 02:56:48 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





#3

Chloromethane

Concen: 0.301 ug/L

RT: 2.12 min Scan# 49

Delta R.T. -0.00 min

Lab File: VY003685.D

Acq: 08 Dec 2020 19:00

Instrument :

MSVOA_Y

ClientSampleId :

GB1F5

Tot Ion: 50 Resp: 785

Ion Ratio Lower Upper

50 100

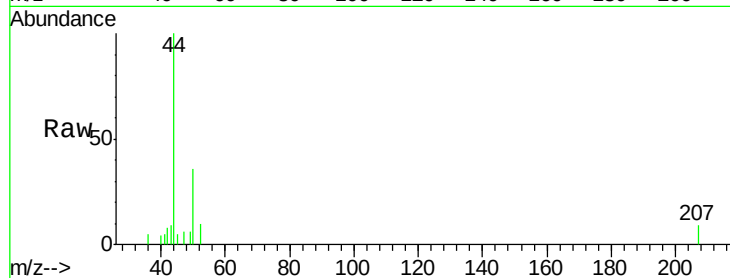
52 29.1 23.1 42.9

Manual Integrations

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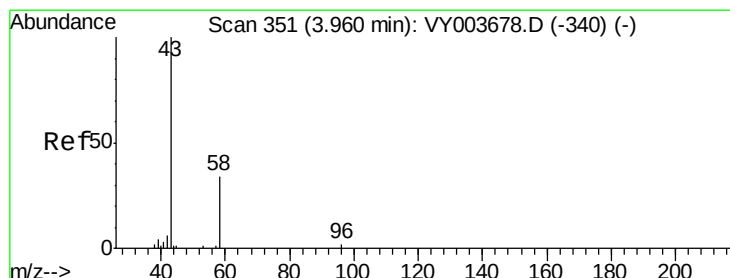
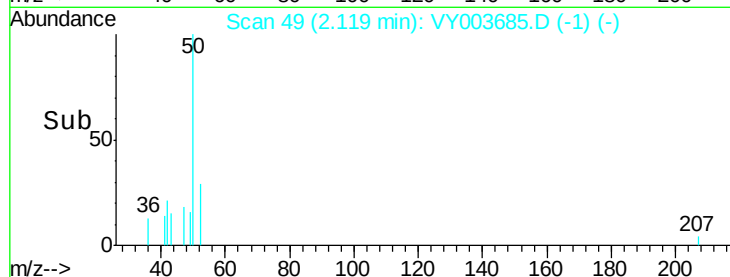
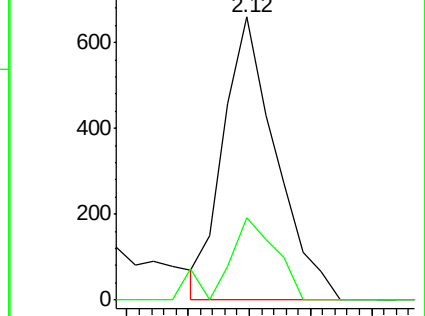
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Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#13

Acetone

Concen: 7.048 ug/L

RT: 3.96 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY003685.D

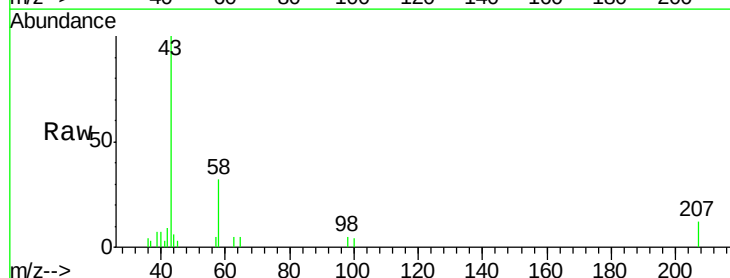
Acq: 08 Dec 2020 19:00

Tgt Ion: 43 Resp: 5565

Ion Ratio Lower Upper

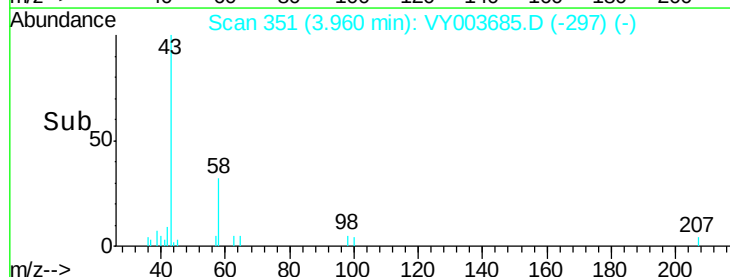
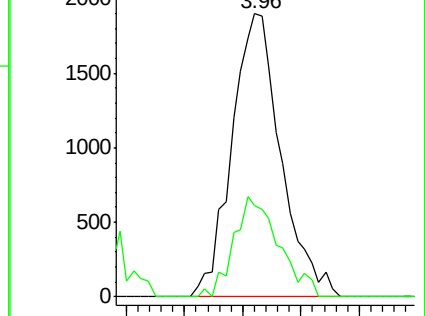
43 100

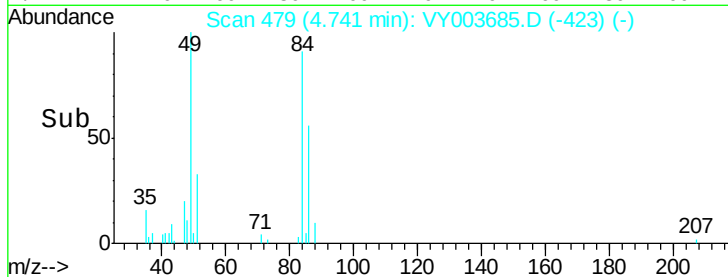
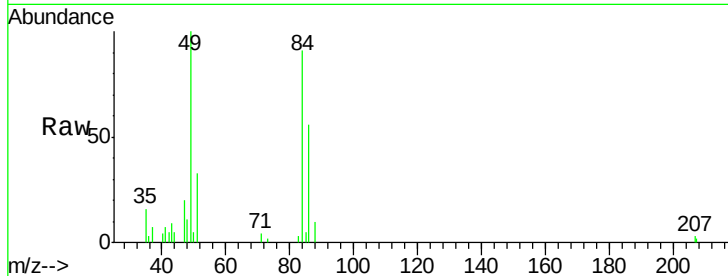
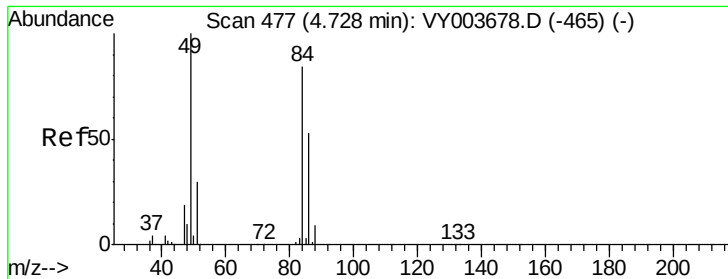
58 30.2 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





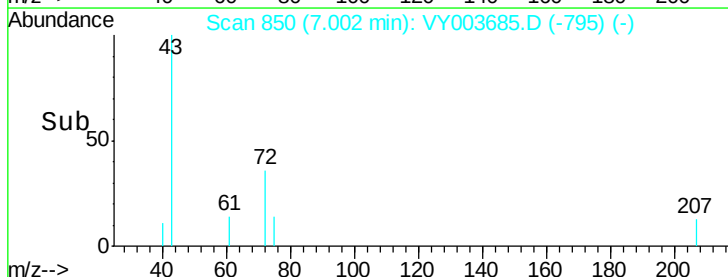
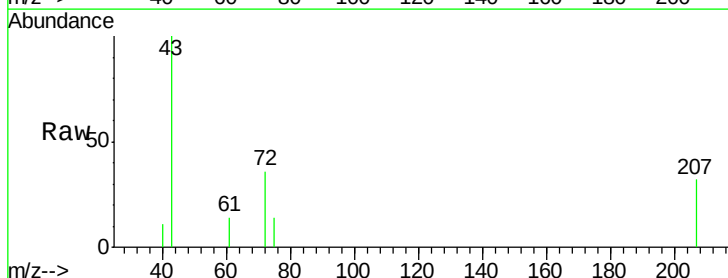
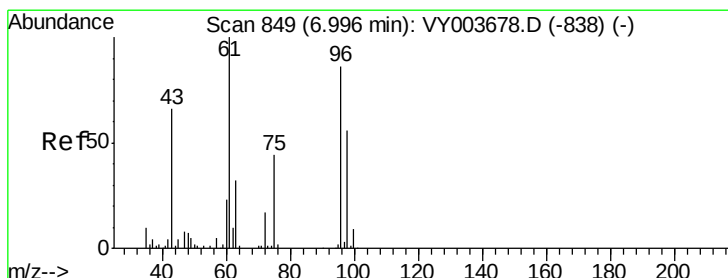
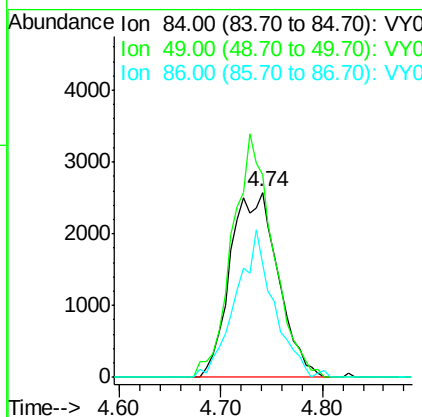
#16
Methylene chloride
Concen: 2.240 ug/L m
RT: 4.74 min Scan# 479
Delta R.T. 0.01 min
Lab File: VY003685.D
Acq: 08 Dec 2020 19:00

Tot Ion: 84 Resp: 8405
Ion Ratio Lower Upper
84 100
49 109.4 83.7 155.4
86 61.4 45.0 83.6

Instrument :
MSVOA_Y
ClientSampled :
GB1F5

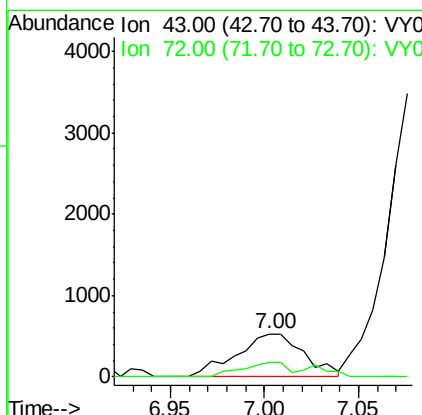
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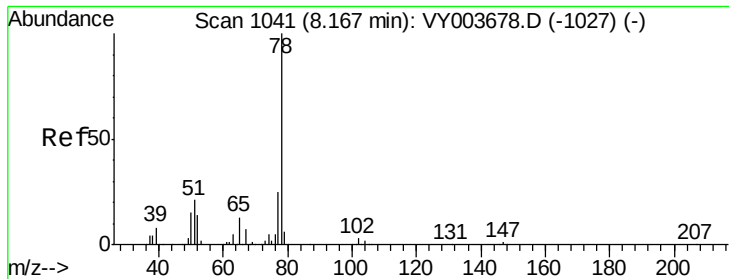
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#21
2-Butanone
Concen: 0.937 ug/L
RT: 7.00 min Scan# 850
Delta R.T. 0.01 min
Lab File: VY003685.D
Acq: 08 Dec 2020 19:00

Tgt Ion: 43 Resp: 1306
Ion Ratio Lower Upper
43 100
72 23.0 13.3 39.9





#34

Benzene

Concen: 0.400 ug/L

RT: 8.17 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VY003685.D

Acq: 08 Dec 2020 19:00

Instrument :

MSVOA_Y

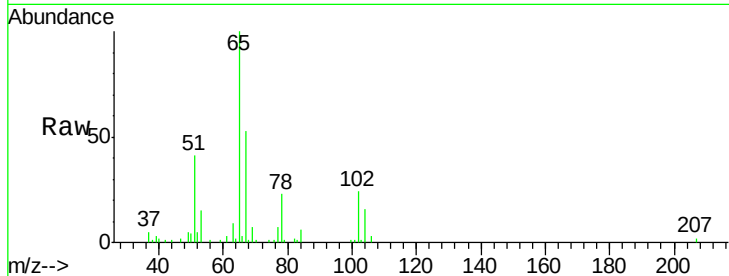
ClientSampleId :

GB1F5

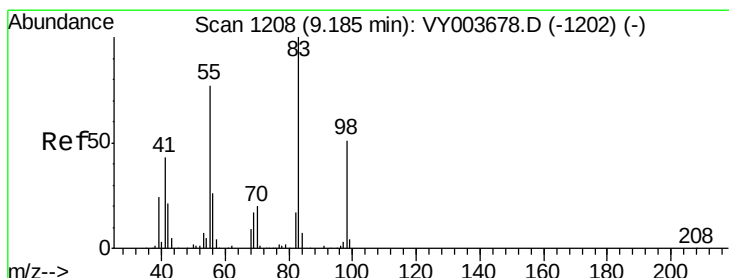
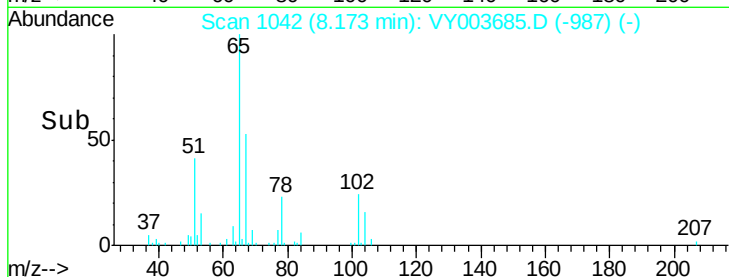
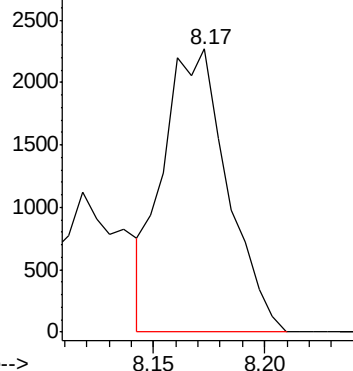
Tgt Ion: 78 Resp: 4558

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Abundance Ion 78.00 (77.70 to 78.70): VY0



#36

Methylcyclohexane

Concen: 0.336 ug/L

RT: 9.19 min Scan# 1209

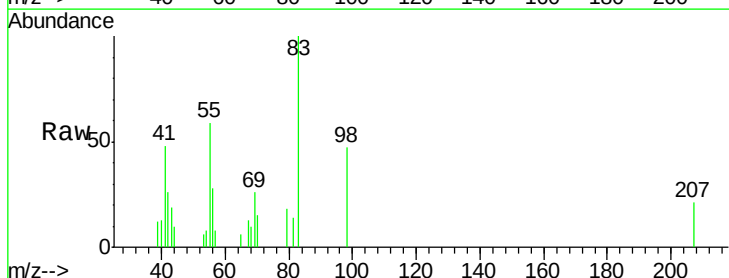
Delta R.T. 0.01 min

Lab File: VY003685.D

Acq: 08 Dec 2020 19:00

Tgt Ion: 83 Resp: 1610

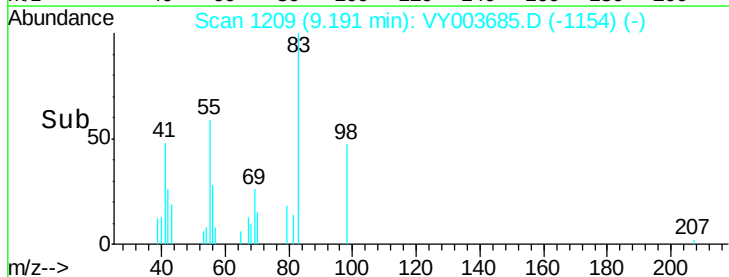
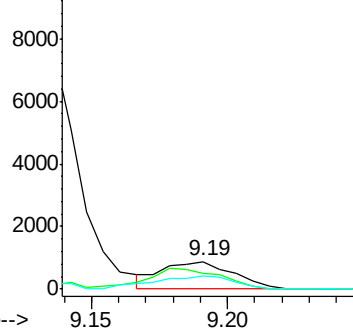
Ion	Ratio	Lower	Upper
83	100		
55	77.8	56.4	84.6
98	52.7	40.3	60.5

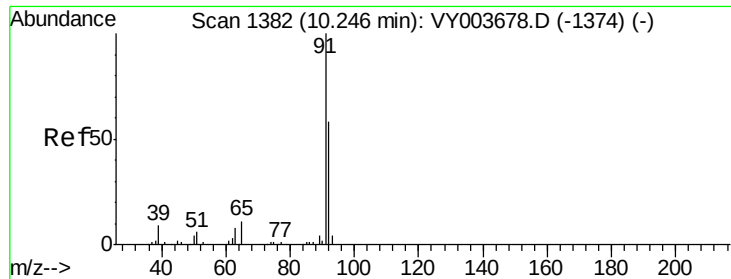


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#44

Toluene

Concen: 1.770 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003685.D

Acq: 08 Dec 2020 19:00

Instrument :

MSVOA_Y

ClientSampleId :

GB1F5

Tot Ion: 91 Resp: 21258

Ion Ratio Lower Upper

91 100

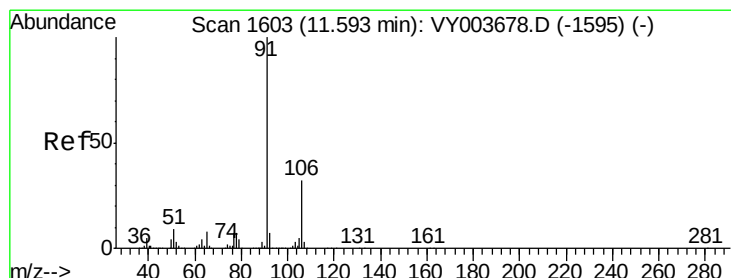
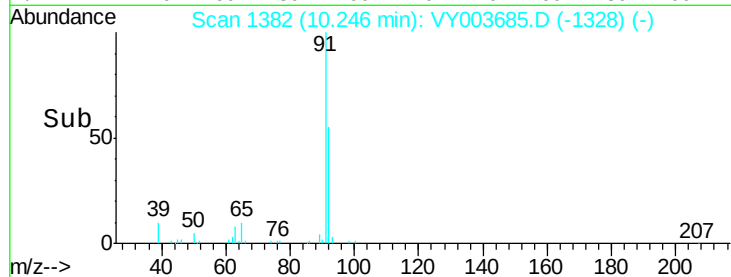
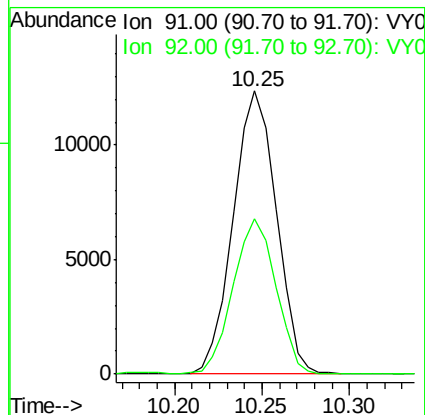
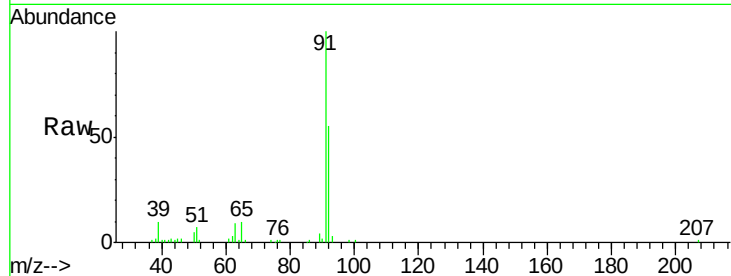
92 54.7 39.8 73.8

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#53

Ethylbenzene

Concen: 1.008 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003685.D

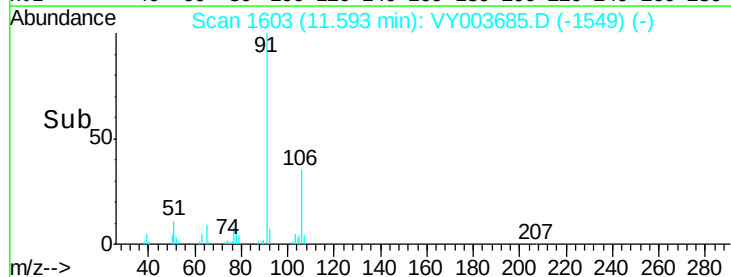
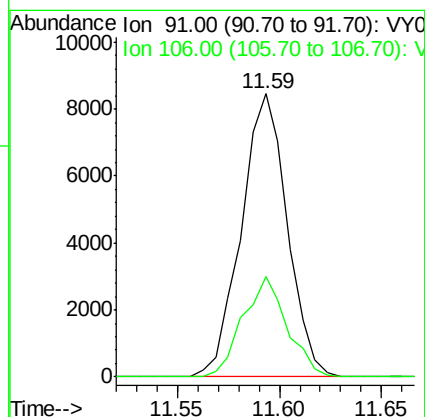
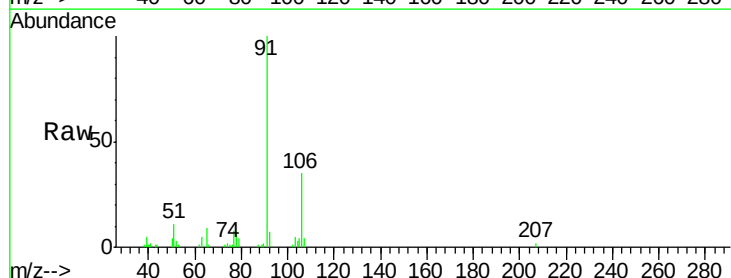
Acq: 08 Dec 2020 19:00

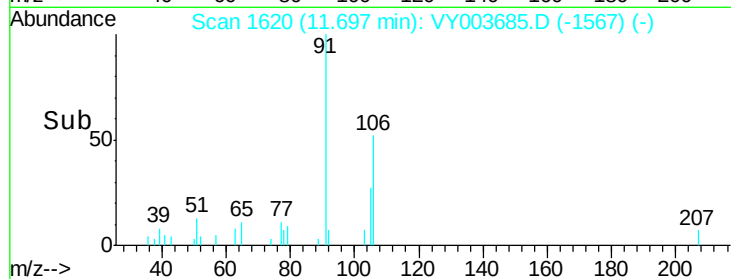
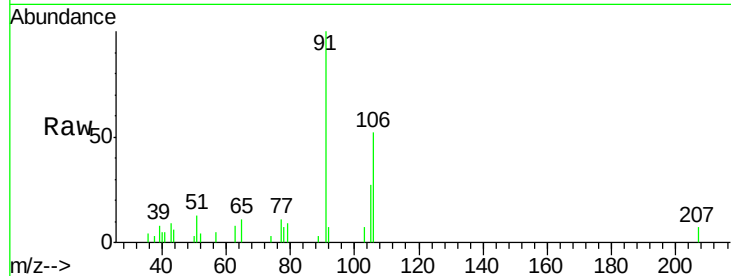
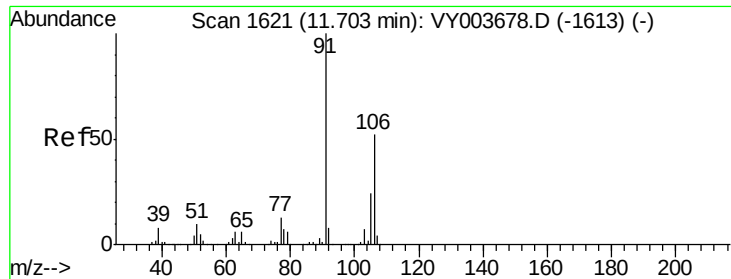
Tgt Ion: 91 Resp: 13208

Ion Ratio Lower Upper

91 100

106 35.3 23.3 43.3





#54
 m,p-Xylene
 Concen: 0.318 ug/L
 RT: 11.70 min Scan# 1620
 Delta R.T. -0.01 min
 Lab File: VY003685.D
 Acq: 08 Dec 2020 19:00

Tot Ion	Ratio	Resp	Lower	Upper
106	100	1607		
91	193.1		131.3	243.9

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F5

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:59:34 AM

