

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121820\
 Data File : VY003814.D
 Acq On : 18 Dec 2020 12:51
 Operator : SY/MD
 Sample : L5134-01RE
 Misc : 5.62G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BFN58RE

Manual Integrations
 APPROVED

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 12/21/2020 1:38:29 PM

Quant Time: Dec 19 00:42:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 19 00:17:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	258259	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	201779	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	65701	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	73459	20.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.36%
7) Chloroethane-d5	2.78	69	59270	22.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.24%
10) 1,1-Dichloroethene-d2	3.87	63	98970	13.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.44%
20) 2-Butanone-d5	6.91	46	35413	23.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	46.12%
24) Chloroform-d	7.49	84	131580	19.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.48%
26) 1,2-Dichloroethane-d4	8.15	65	68186	17.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	71.92%
29) Benzene-d6	8.12	84	293853	25.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.64%
33) 1,2-Dichloropropane-d6	9.12	67	85394	23.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.92%
37) Toluene-d8	10.18	98	250160	23.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.68%
38) trans-1,3-Dichloropropene-	10.44	79	34224	19.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.24%
39) 2-Hexanone-d5	10.79	63	29176	29.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	58.18%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	54289	17.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	68.32%
61) 1,2-Dichlorobenzene-d4	13.72	152	52674	22.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.28%

Target Compounds

					Ovalue
3) Chloromethane	2.13	50	3085	0.766 ug/L	93
14) Carbon disulfide	4.21	76	2527	0.201 ug/L	98
16) Methylene chloride	4.73	84	9083m	1.959 ug/L	
47) Tetrachloroethene	10.72	164	1924	0.702 ug/L	95
53) Ethylbenzene	11.59	91	8031	0.539 ug/L	96
54) m,p-Xylene	11.70	106	14252	2.480 ug/L	83
55) o-xylene	12.03	106	6143	1.139 ug/L	98

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

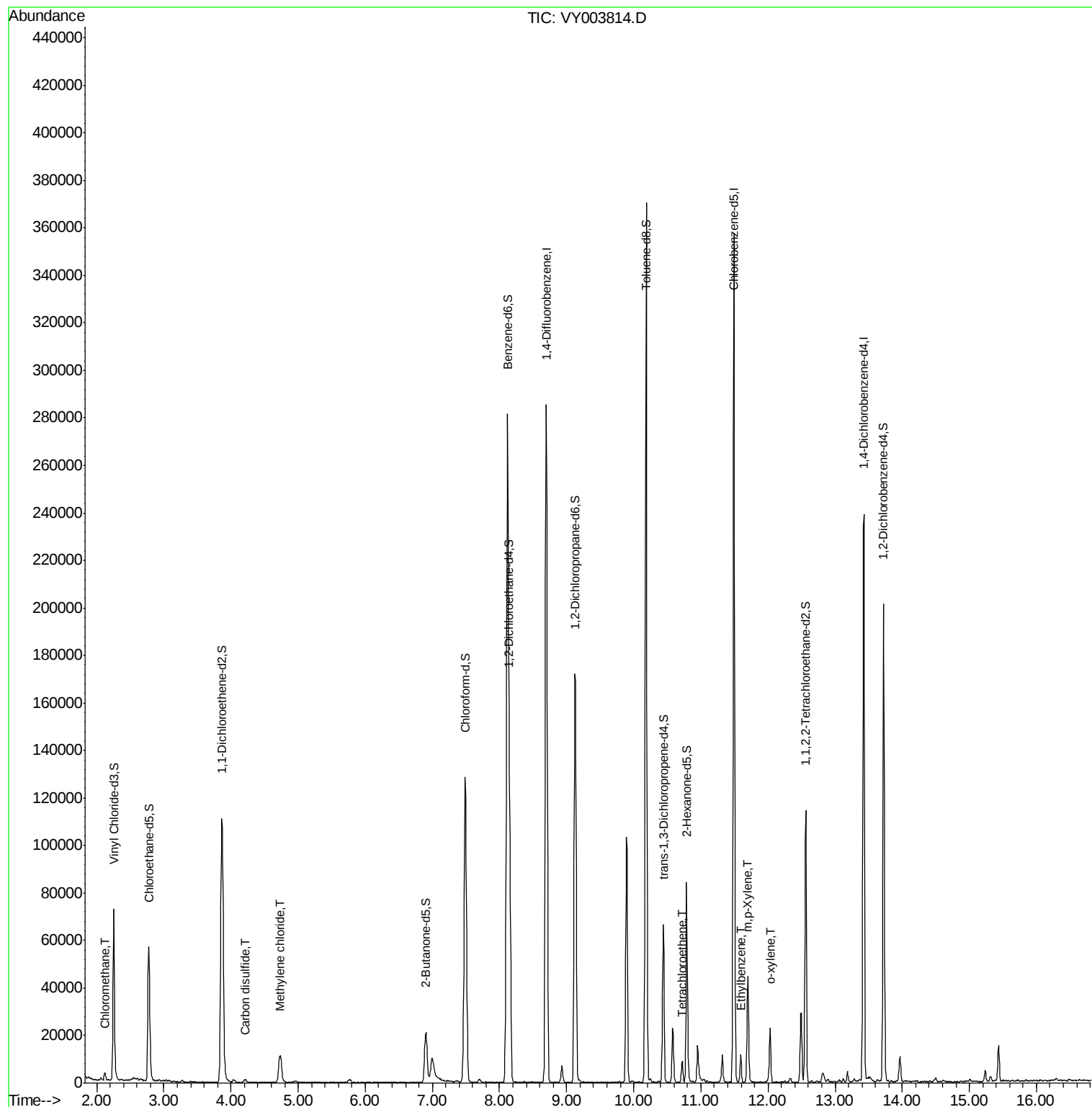
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121820\
Data File : VY003814.D
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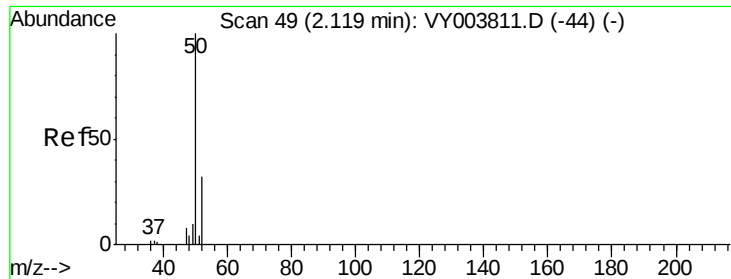
Instrument :
MSVOA_Y
ClientSampleId :
BFN58RE

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Quant Time: Dec 19 00:42:49 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 19 00:17:11 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.766 ug/L

RT: 2.13 min Scan# 50

Delta R.T. 0.01 min

Lab File: VY003814.D

Acq: 18 Dec 2020 12:51

Instrument :

MSVOA_Y

ClientSampleId :

BFN58RE

Tot Ion: 50 Resp: 3085

Ion Ratio Lower Upper

50 100

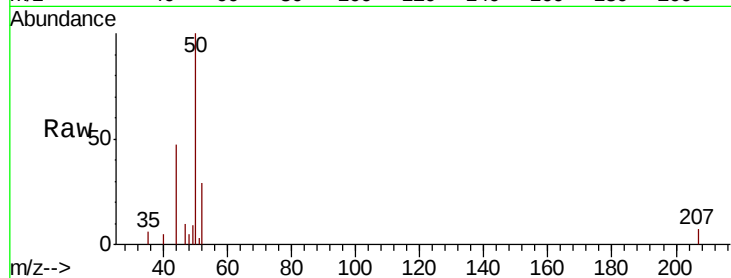
52 28.6 22.8 42.4

Manual Integrations

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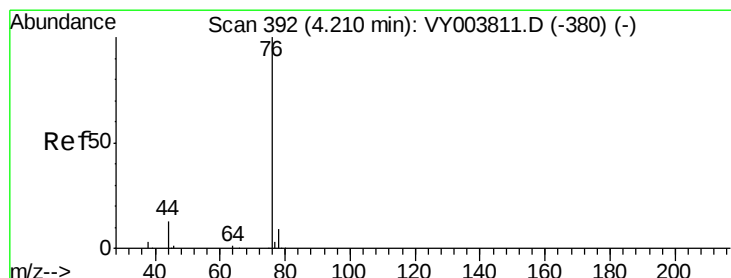
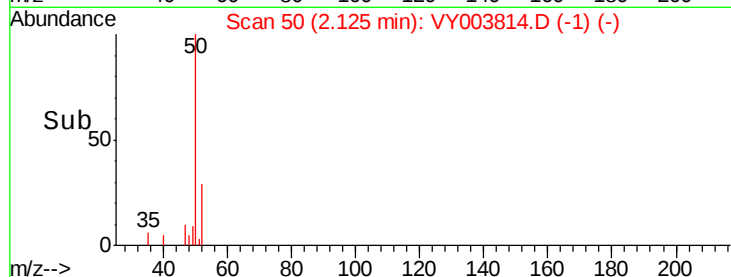
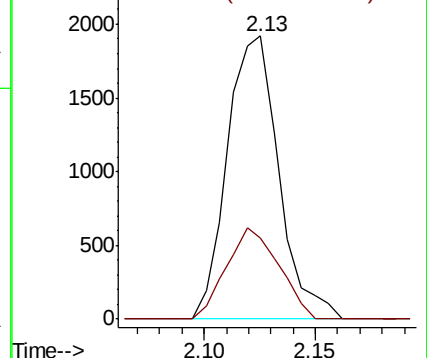
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Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#14

Carbon disulfide

Concen: 0.201 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.00 min

Lab File: VY003814.D

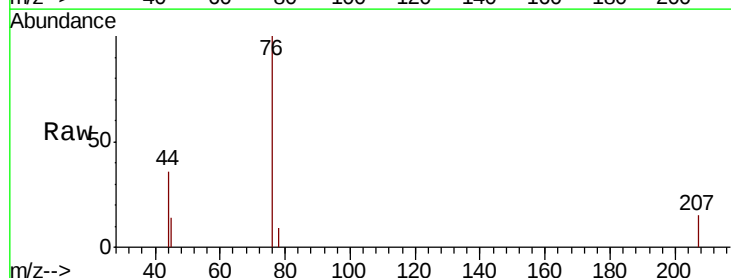
Acq: 18 Dec 2020 12:51

Tgt Ion: 76 Resp: 2527

Ion Ratio Lower Upper

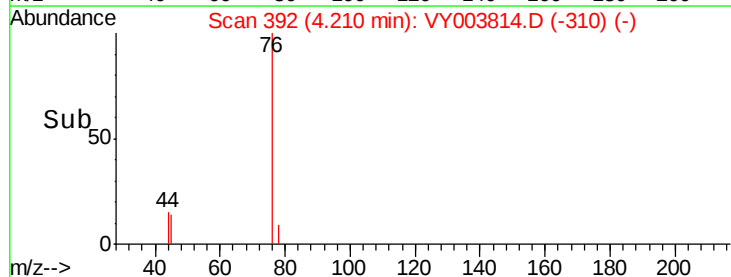
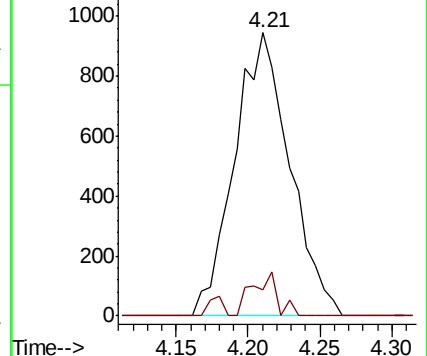
76 100

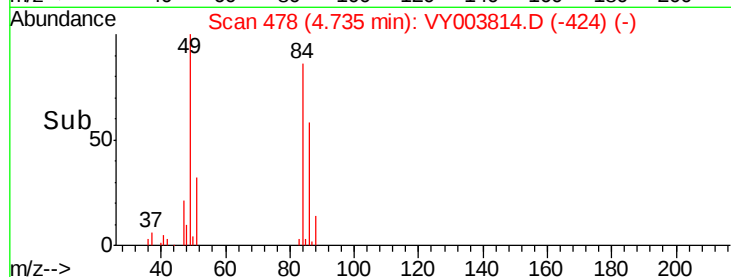
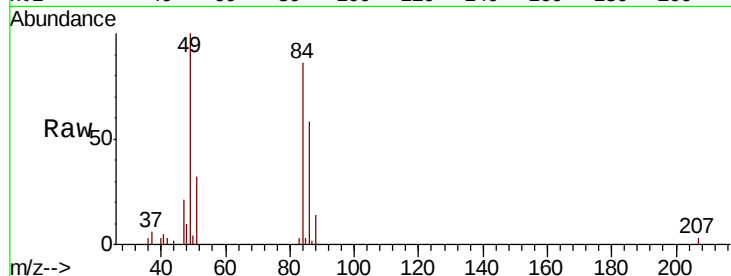
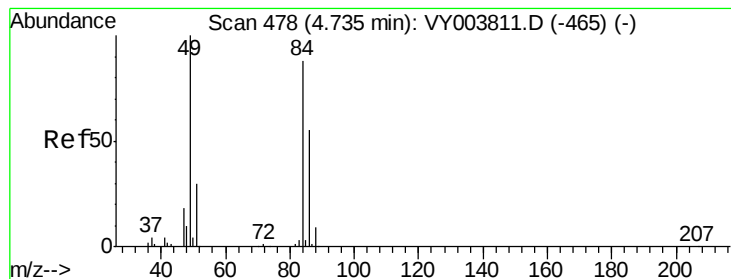
78 9.4 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0





#16

Methylene chloride

Concen: 1.959 ug/L

RT: 4.73 min Scan# 478

Delta R.T. 0.00 min

Lab File: VY003814.D

Acq: 18 Dec 2020 12:51

Tot Ion:	84	Resp:	9083
Ion	Ratio	Lower	Upper
84	100		
49	116.1	88.2	163.8
86	66.8	43.0	79.8

Instrument :

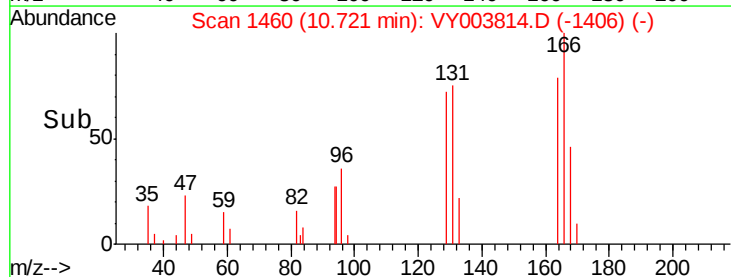
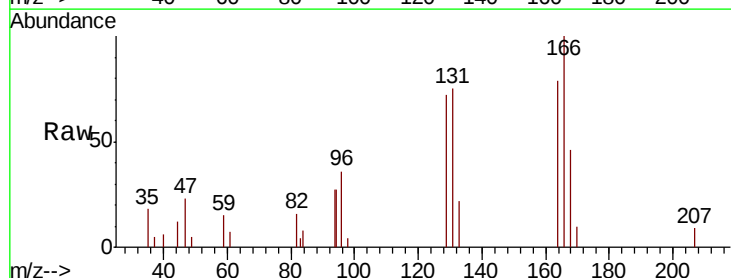
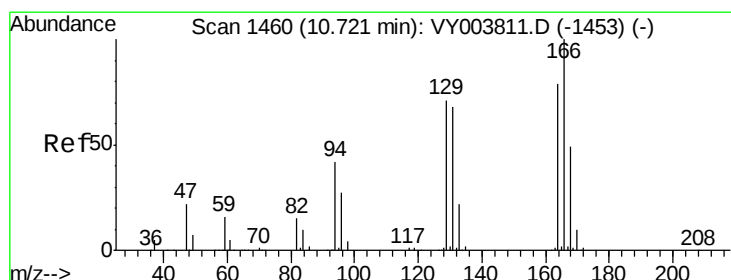
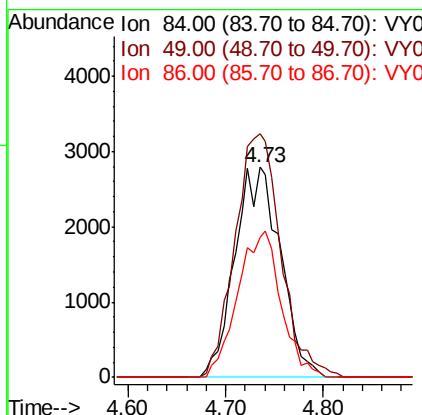
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#47

Tetrachloroethene

Concen: 0.702 ug/L

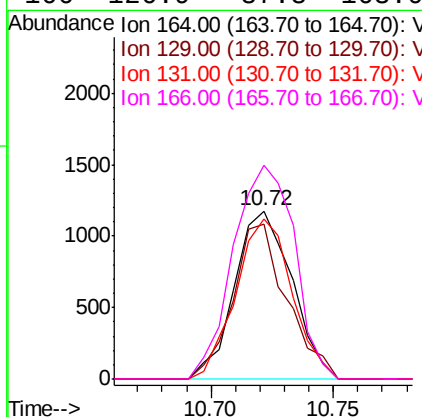
RT: 10.72 min Scan# 1460

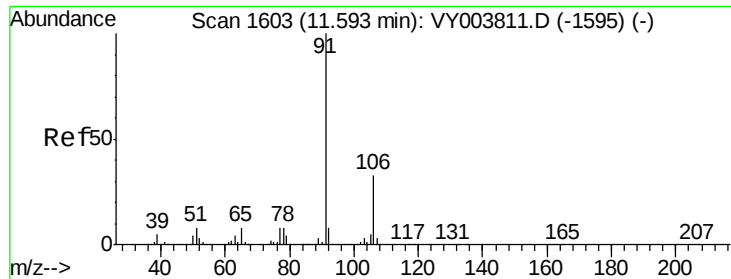
Delta R.T. 0.00 min

Lab File: VY003814.D

Acq: 18 Dec 2020 12:51

Tgt Ion:	164	Resp:	1924
Ion	Ratio	Lower	Upper
164	100		
129	91.9	61.3	113.9
131	95.2	60.4	112.2
166	126.9	87.8	163.0





#53

Ethylbenzene

Concen: 0.539 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003814.D

Acq: 18 Dec 2020 12:51

Instrument :

MSVOA_Y

ClientSampleId :

BFN58RE

Tot Ion: 91 Resp: 8031

Ion Ratio Lower Upper

91 100

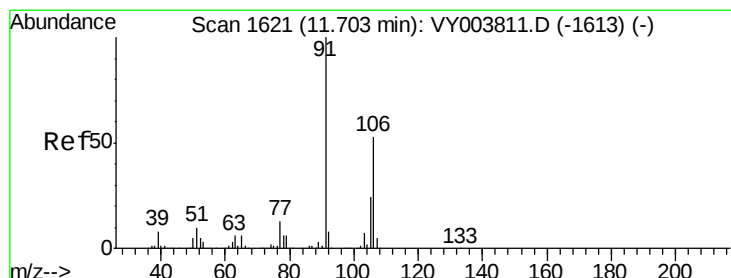
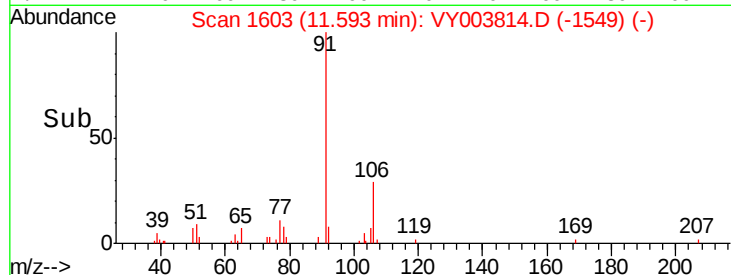
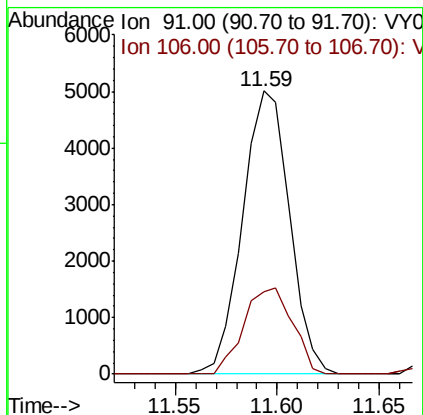
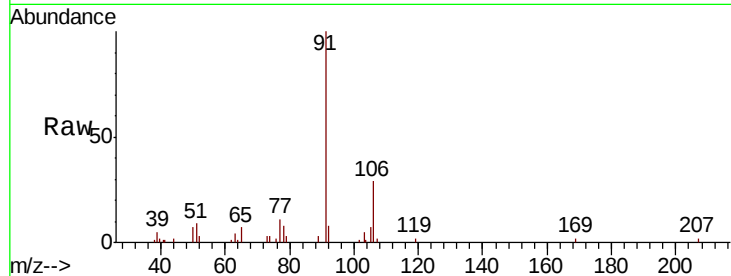
106 29.1 22.0 41.0

Manual Integrations

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#54

m,p-Xylene

Concen: 2.480 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VY003814.D

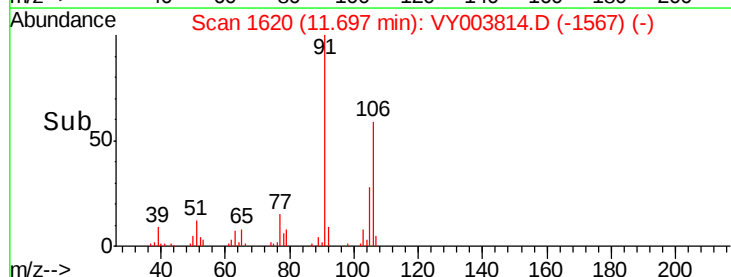
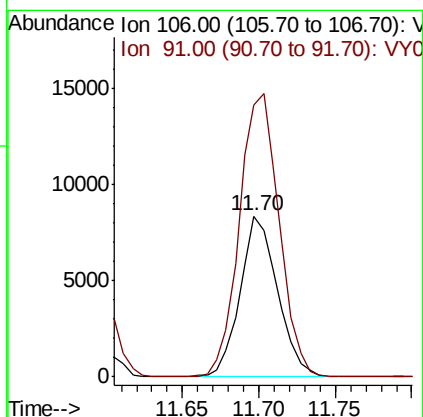
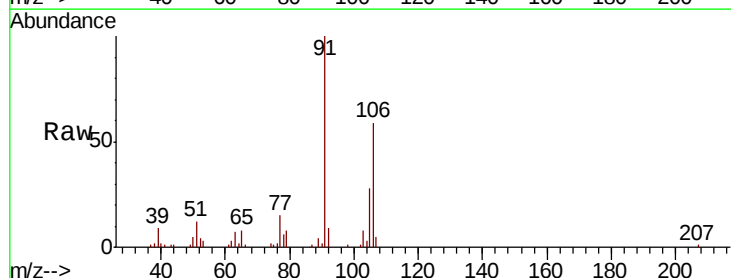
Acq: 18 Dec 2020 12:51

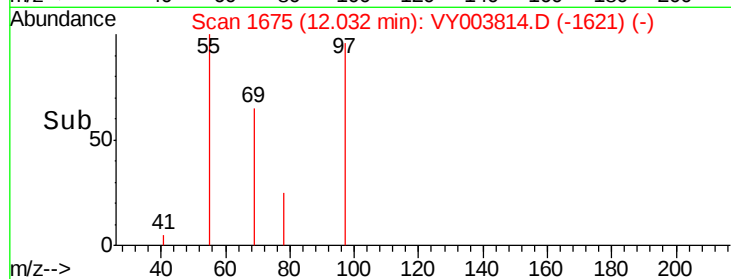
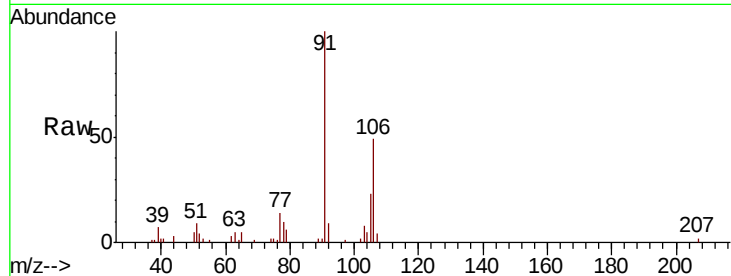
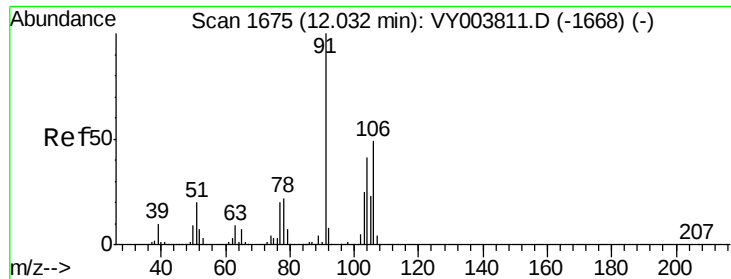
Tgt Ion: 106 Resp: 14252

Ion Ratio Lower Upper

106 100

91 169.2 136.4 253.4





#55
o-xylene
Concen: 1.139 ug/L
RT: 12.03 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VY003814.D
Acq: 18 Dec 2020 12:51

Tot Ion	Ratio	Resp	Lower	Upper
106	100	6143		
91	204.2		145.5	270.1

Instrument :
MSVOA_Y
ClientSampleId :
BFN58RE

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