

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036141.D
 Acq On : 10 Dec 2020 23:31
 Operator : SY/AP
 Sample : L4948-15 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3B

Manual Integrations
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 12/15/2020 4:51:27 PM

Quant Time: Dec 11 04:51:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1320423	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2647823	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2362236	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2079684	11.09	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	43533m	4.184	ppbv	
15) Acetone	3.85	43	250203	1.577	ppbv	97
20) Methylene Chloride	4.33	84	25714m	0.395	ppbv	
30) Cyclohexane	7.12	84	64407m	0.614	ppbv	
34) 2-Butanone	5.24	43	19420m	0.111	ppbv	
52) Tetrachloroethene	11.20	164	119477m	1.471	ppbv	
53) Toluene	9.80	91	23132m	0.092	ppbv	
58) Ethyl Benzene	12.70	91	55903m	0.173	ppbv	
59) m/p-Xylene	12.95	91	255735m	0.938	ppbv	
60) o-Xylene	13.68	91	97607	0.380	ppbv	98

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

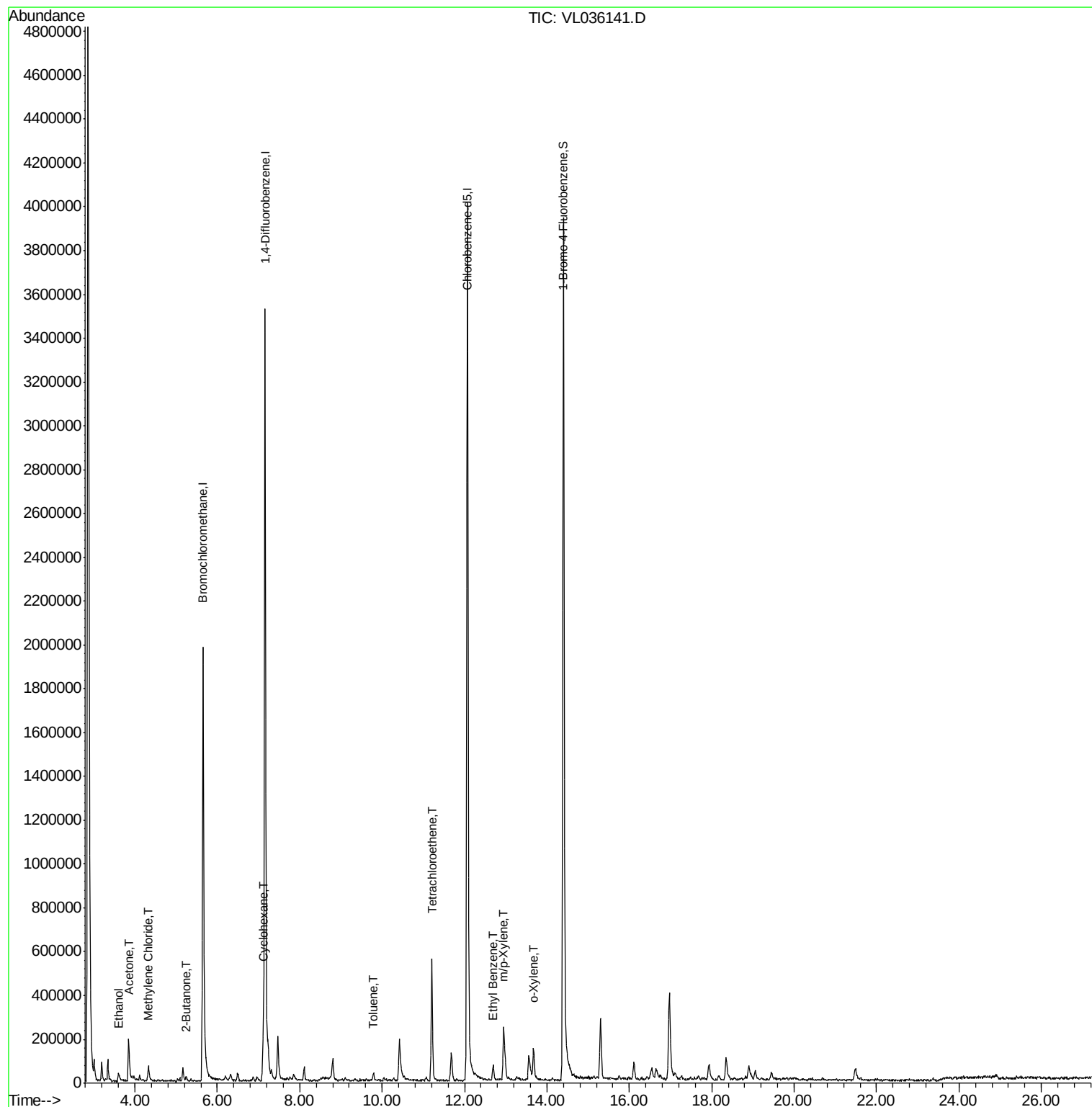
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
Data File : VL036141.D
Acq On : 10 Dec 2020 23:31
Operator : SY/AP
Sample : L4948-15 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

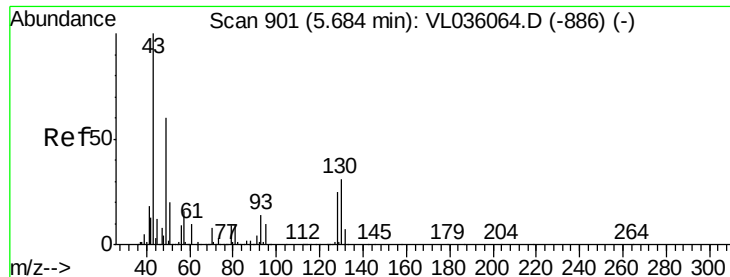
Instrument :
MSVOA_L
ClientSampleId :
SS-3B

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Quant Time: Dec 11 04:51:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.03 min

Lab File: VL036141.D

Acq: 10 Dec 2020 23:31

Instrument :

MSVOA_L

ClientSampleId :

SS-3B

Tot Ion: 49 Resp: 1320423

Ion Ratio Lower Upper

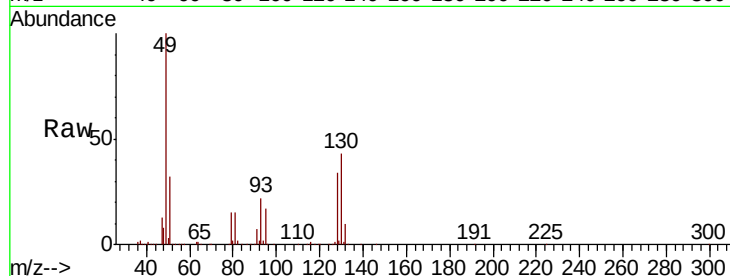
49 100

128 35.8 21.1 63.1

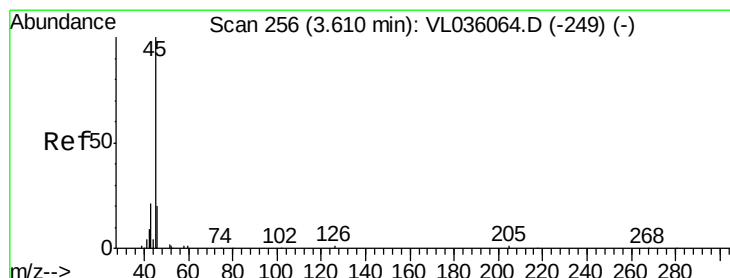
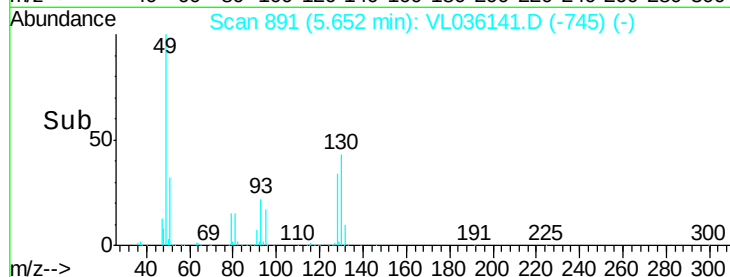
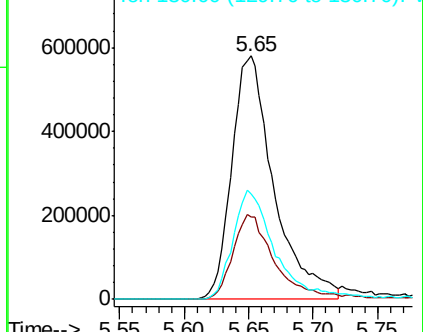
130 46.3 27.1 81.3

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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 4.184 ppbv m

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL036141.D

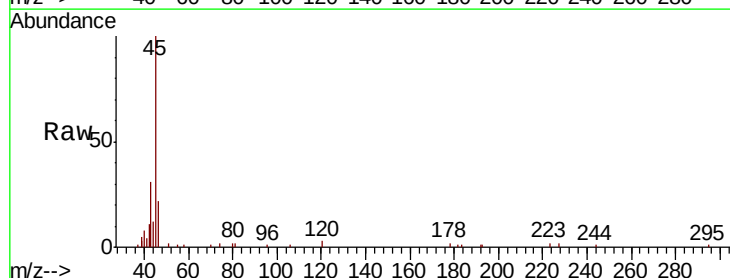
Acq: 10 Dec 2020 23:31

Tgt Ion: 45 Resp: 43533

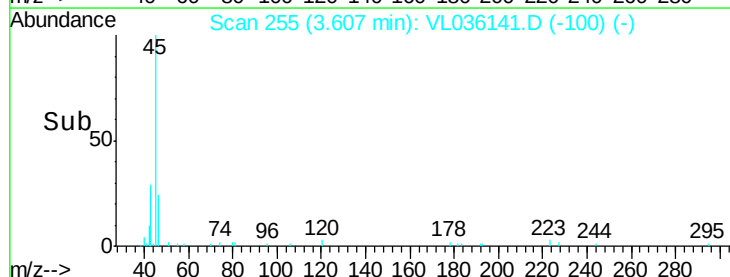
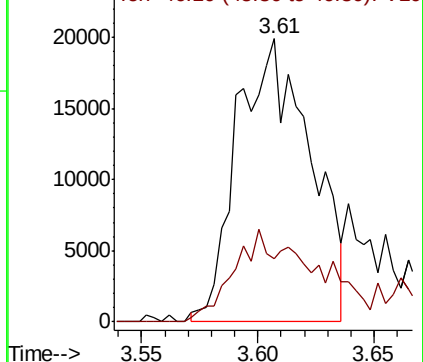
Ion Ratio Lower Upper

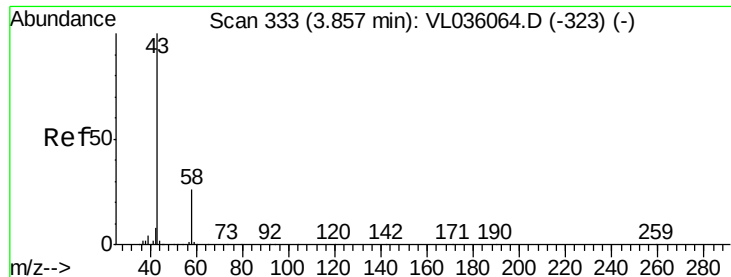
45 100

46 0.0 19.0 75.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 46.10 (45.80 to 46.80): VL0





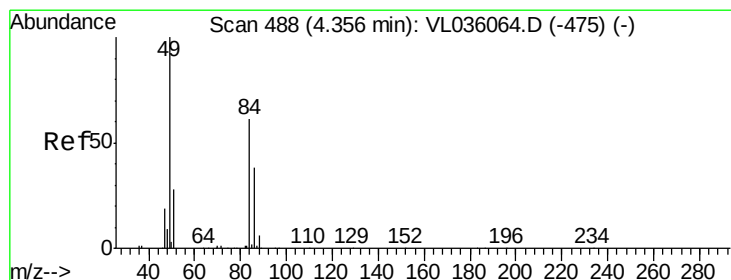
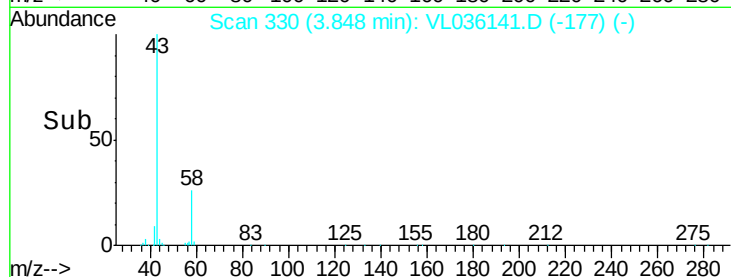
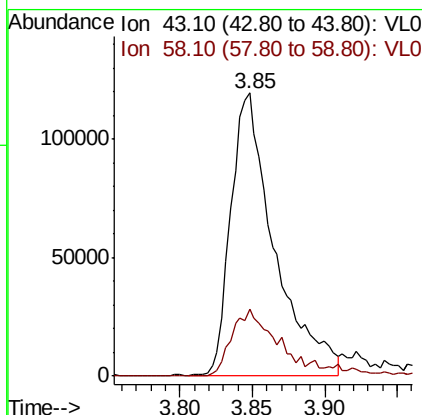
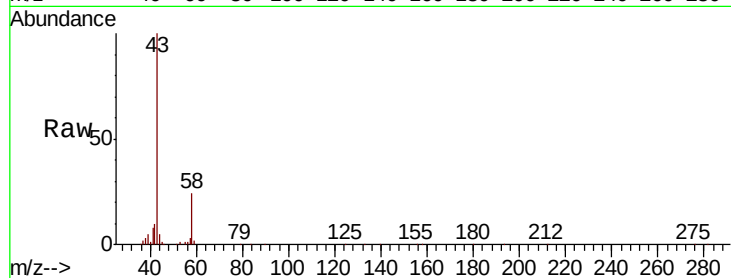
#15
Acetone
Concen: 1.577 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.01 min
Lab File: VL036141.D
Acq: 10 Dec 2020 23:31

Instrument :
MSVOA_L
ClientSampleId :
SS-3B

Tot Ion	Ratio	Lower	Upper
43	100		
58	27.9	20.9	31.3

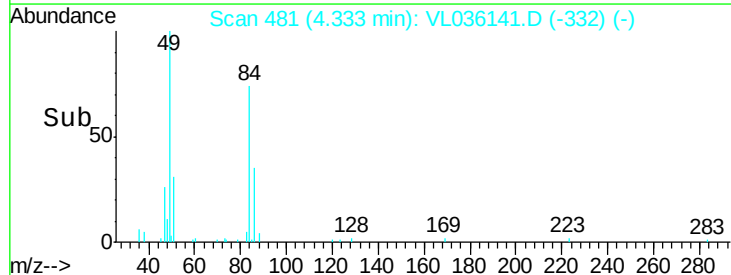
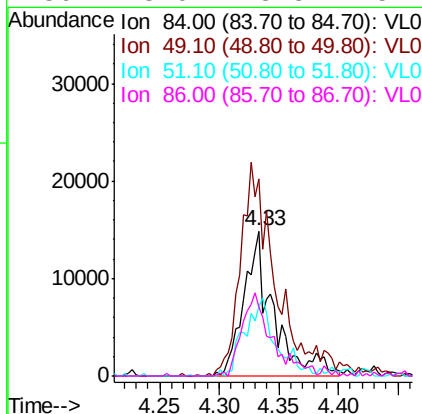
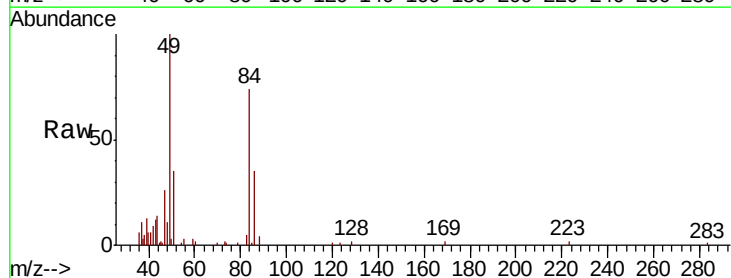
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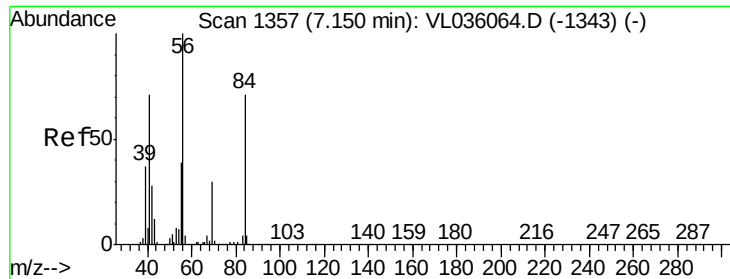
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#20
Methylene Chloride
Concen: 0.395 ppbv m
RT: 4.33 min Scan# 481
Delta R.T. -0.02 min
Lab File: VL036141.D
Acq: 10 Dec 2020 23:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.0	133.0	199.4
51	47.5	38.9	58.3
86	48.0	48.8	73.2#





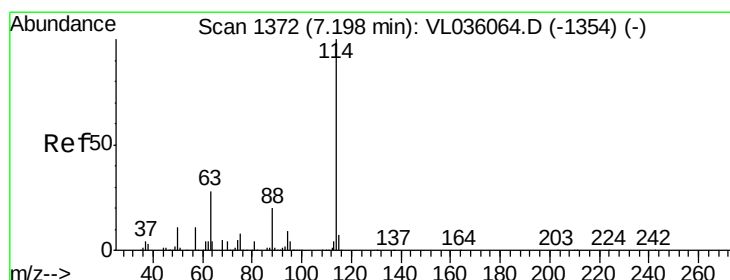
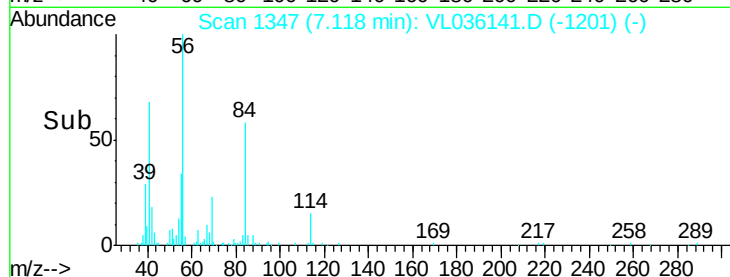
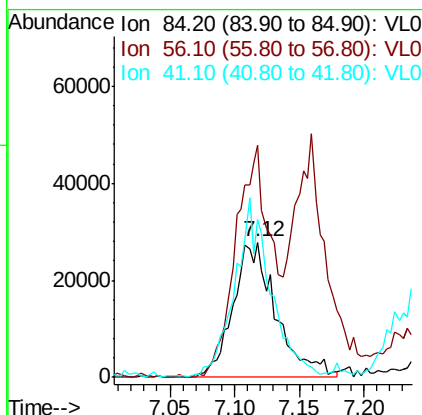
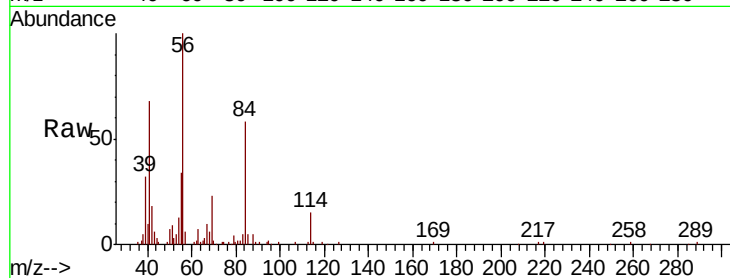
#30
Cyclohexane
Concen: 0.614 ppbv m
RT: 7.12 min Scan# 1347
Delta R.T. -0.03 min
Lab File: VL036141.D
Acq: 10 Dec 2020 23:31

Instrument :
MSVOA_L
ClientSampleId :
SS-3B

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	128.0	192.0#
41	109.5	81.3	121.9

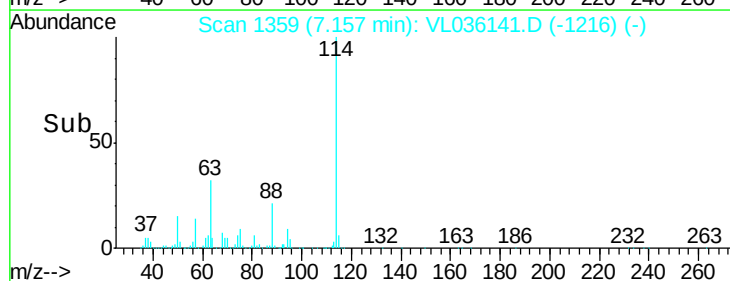
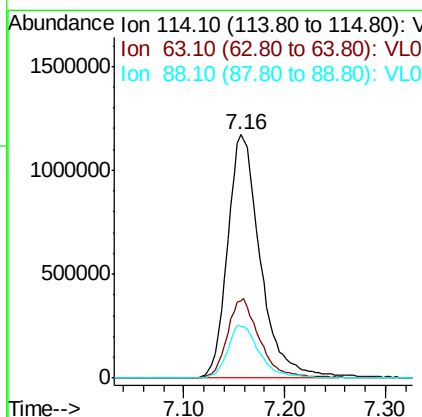
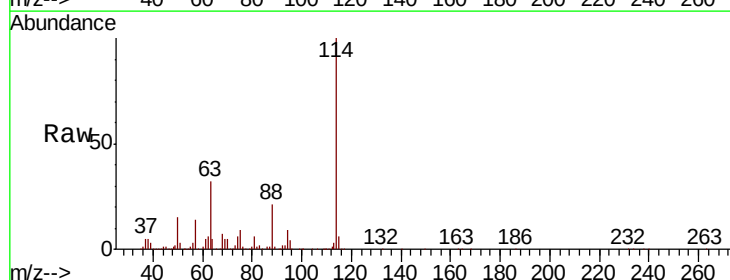
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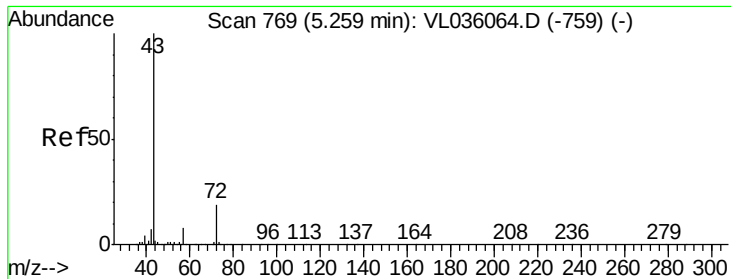
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.04 min
Lab File: VL036141.D
Acq: 10 Dec 2020 23:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	32.6	23.6	35.4
88	21.6	15.8	23.6





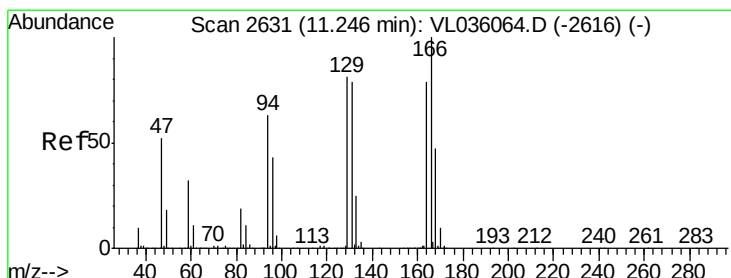
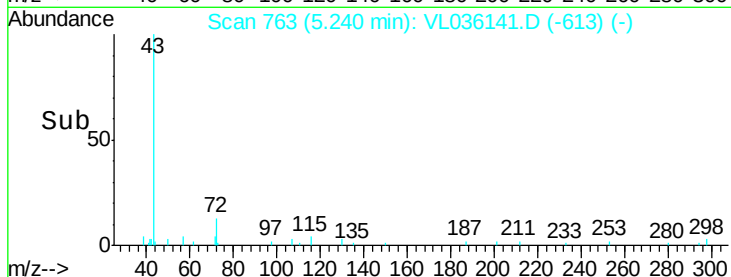
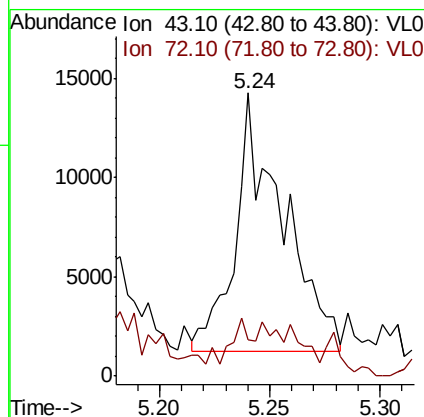
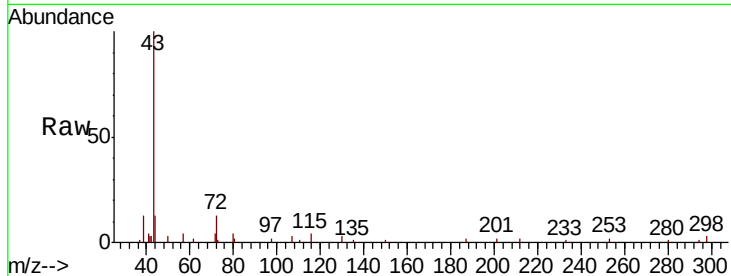
#34
2-Butanone
Concen: 0.111 ppbv m
RT: 5.24 min Scan# 763
Delta R.T. -0.02 min
Lab File: VL036141.D
Acq: 10 Dec 2020 23:31

Instrument :
MSVOA_L
ClientSampleId :
SS-3B

Tot Ion	Ratio	Lower	Upper
43	100		
72	36.2	16.5	24.7#

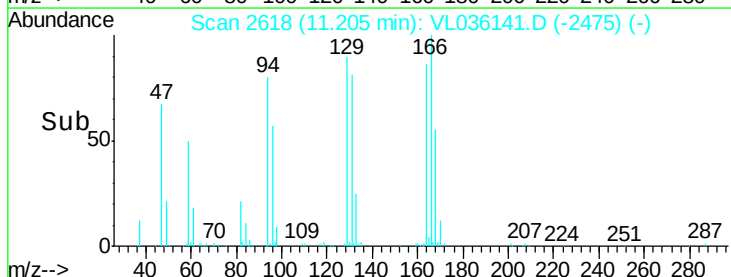
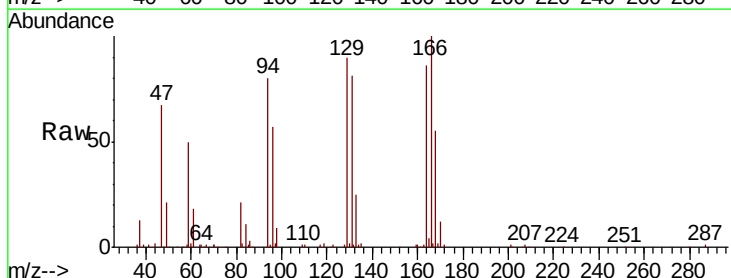
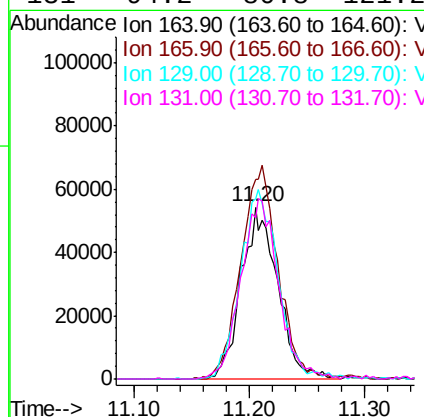
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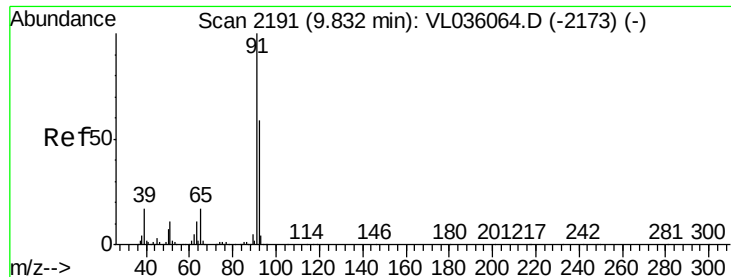
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#52
Tetrachloroethene
Concen: 1.471 ppbv m
RT: 11.20 min Scan# 2618
Delta R.T. -0.04 min
Lab File: VL036141.D
Acq: 10 Dec 2020 23:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	116.0	101.9	152.9
129	104.7	82.1	123.1
131	94.2	80.8	121.2





#53

Toluene

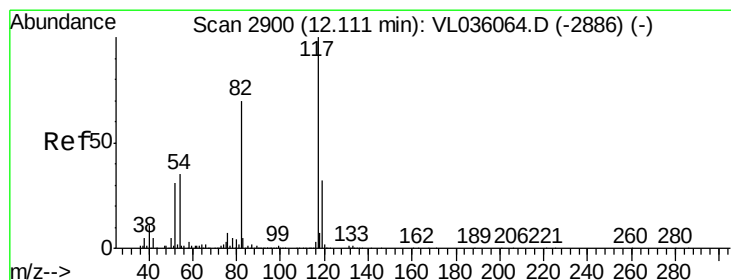
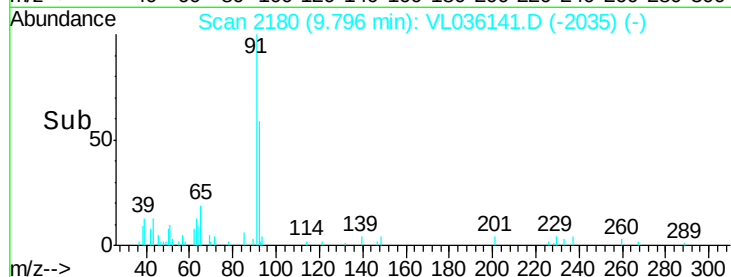
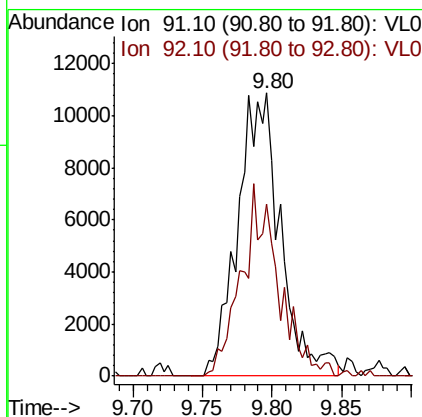
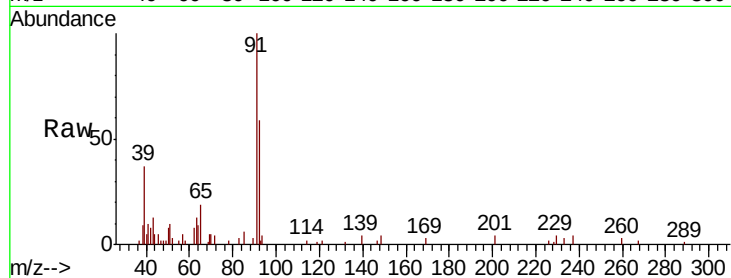
Concen: 0.092 ppbv m
 RT: 9.80 min Scan# 2180
 Delta R.T. -0.04 min
 Lab File: VL036141.D
 Acq: 10 Dec 2020 23:31

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3B

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.9	48.2	72.2

Manual Integrations
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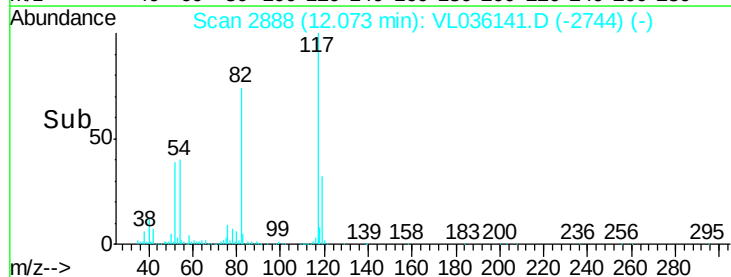
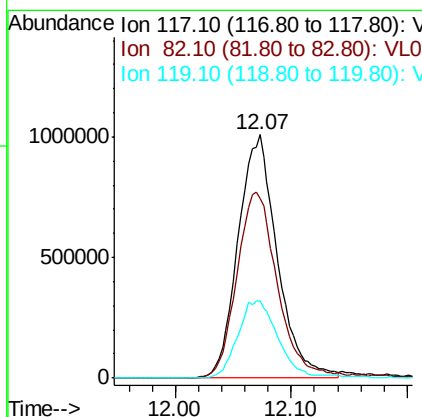
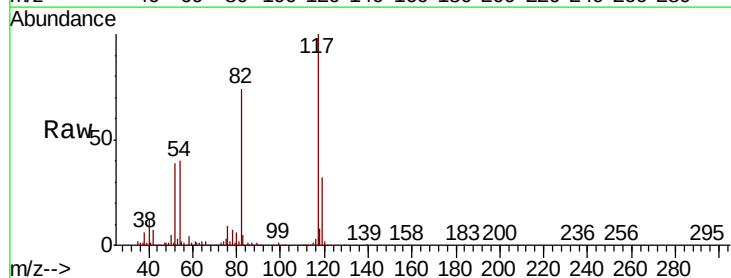


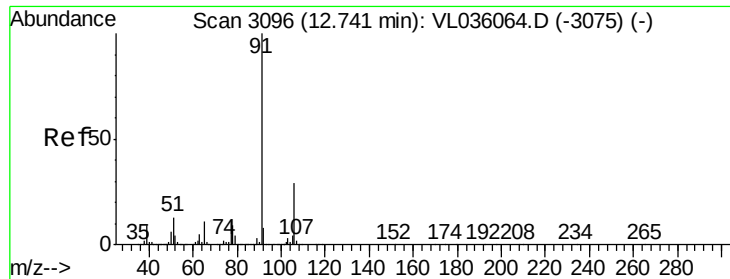
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2888
 Delta R.T. -0.04 min
 Lab File: VL036141.D
 Acq: 10 Dec 2020 23:31

Tgt Ion	Ratio	Lower	Upper
117	100		
82	81.6	0.0	0.0#
119	33.5	0.0	0.0#





#58

Ethyl Benzene

Concen: 0.173 ppbv m

RT: 12.70 min Scan# 3083

Delta R.T. -0.04 min

Lab File: VL036141.D

Acq: 10 Dec 2020 23:31

Instrument :

MSVOA_L

ClientSampled :

SS-3B

Tot Ion: 91 Resp: 55903

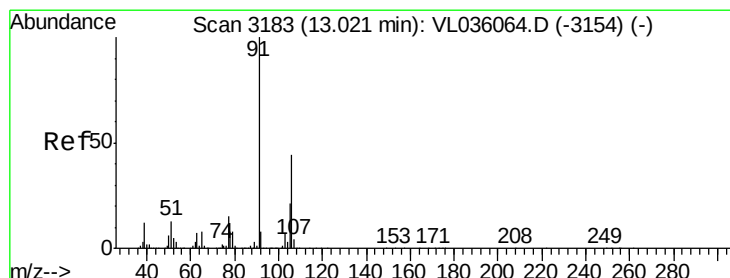
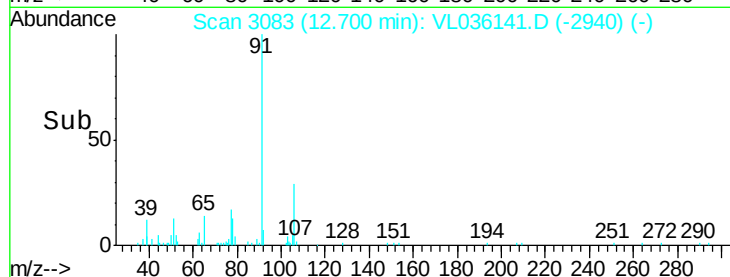
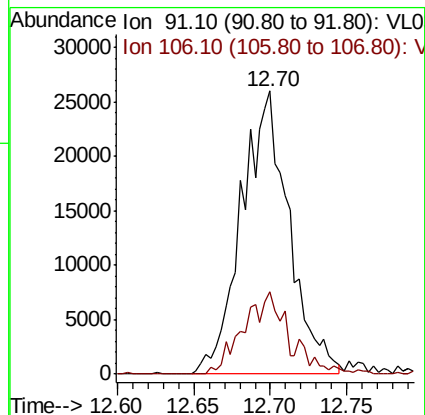
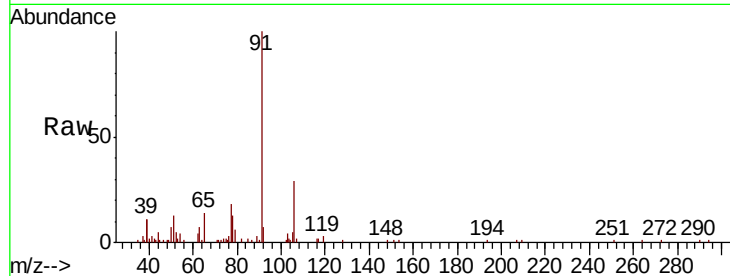
Ion Ratio Lower Upper

91 100

106 29.1 23.0 34.4

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#59

m/p-Xylene

Concen: 0.938 ppbv m

RT: 12.95 min Scan# 3161

Delta R.T. -0.07 min

Lab File: VL036141.D

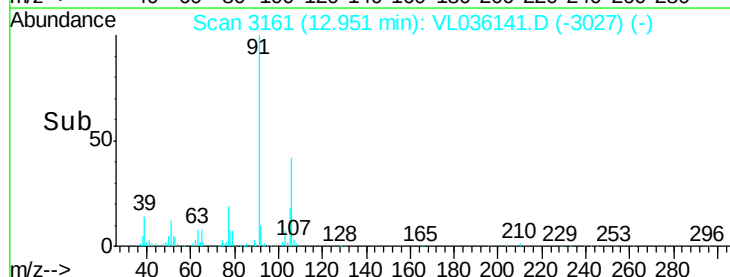
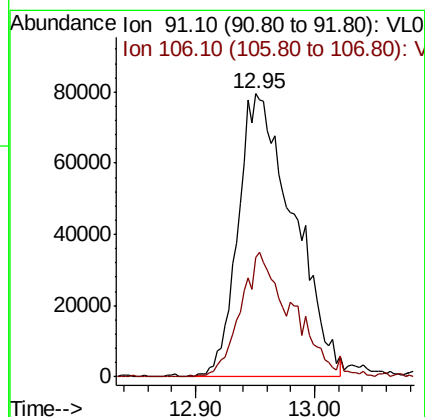
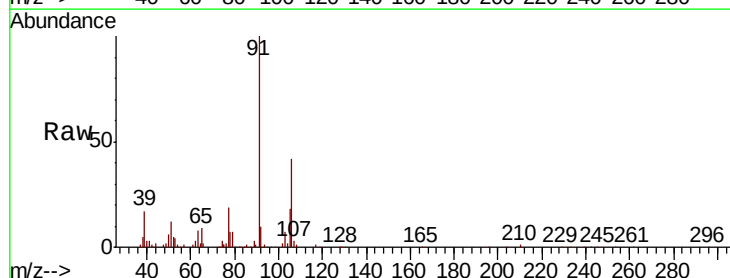
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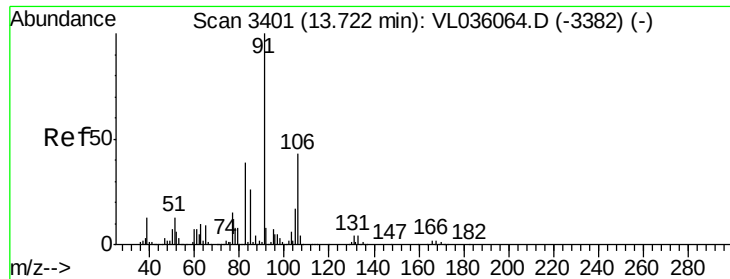
Tgt Ion: 91 Resp: 255735

Ion Ratio Lower Upper

91 100

106 0.0 33.6 50.4#





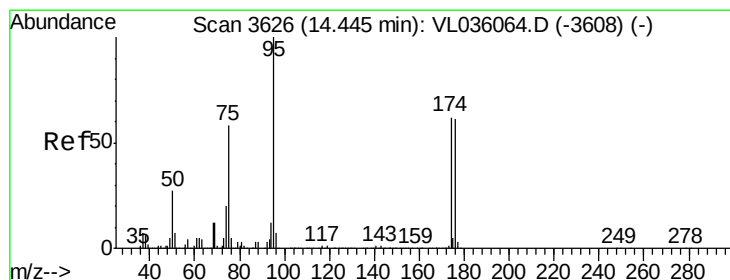
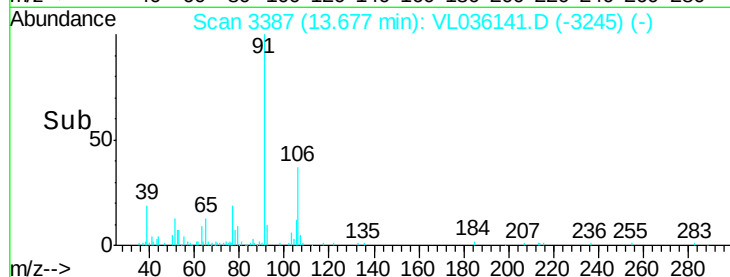
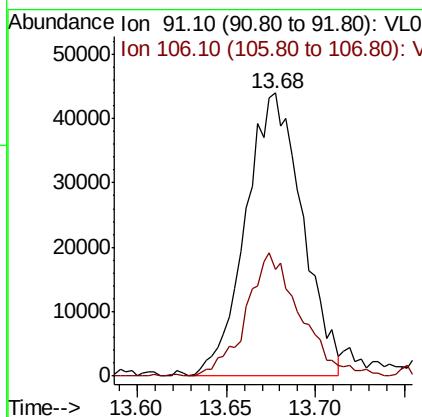
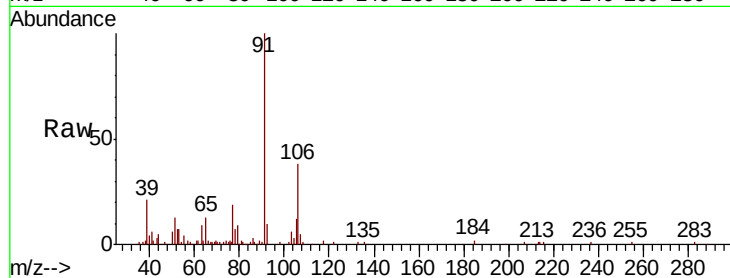
#60
o-Xylene
Concen: 0.380 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.04 min
Lab File: VL036141.D
Acq: 10 Dec 2020 23:31

Instrument :
MSVOA_L
ClientSampleID :
SS-3B

Tot Ion: 91 Resp: 97607
Ion Ratio Lower Upper
91 100
106 41.6 21.6 64.6

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 11.087 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. -0.04 min
Lab File: VL036141.D
Acq: 10 Dec 2020 23:31

Tgt Ion: 95 Resp: 2079684
Ion Ratio Lower Upper
95 100
174 55.1 50.7 76.1
175 3.9 4.0 6.0#

