

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020420\
 Data File : VL034594.D
 Acq On : 5 Feb 2020 00:29
 Operator : SY/AP
 Sample : L1359-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1DL

Manual Integrations
 APPROVED

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 2/5/2020 2:51:04 PM

Quant Time: Feb 05 07:49:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1016227	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2058734	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2092855	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1805214	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.59	45	19278m	1.505	ppbv	
15) Acetone	3.83	43	146999	0.984	ppbv	97
17) tert-Butyl alcohol	4.31	59	12776m	0.116	ppbv	
34) 2-Butanone	5.26	43	23947m	0.160	ppbv	
53) Toluene	9.83	91	29050	0.144	ppbv	96
59) m/p-Xylene	13.01	91	32731m	0.132	ppbv	

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

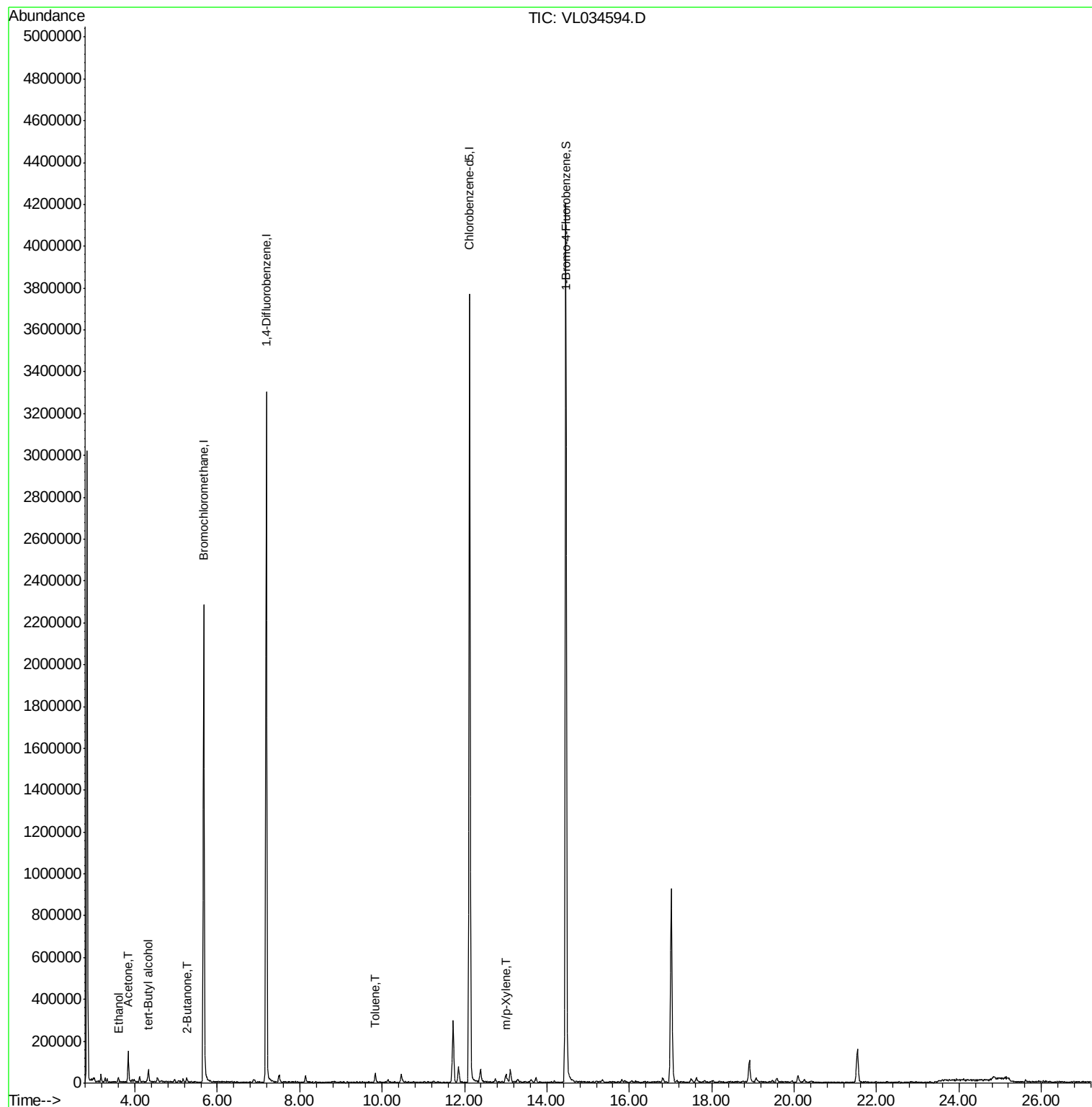
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL020420\
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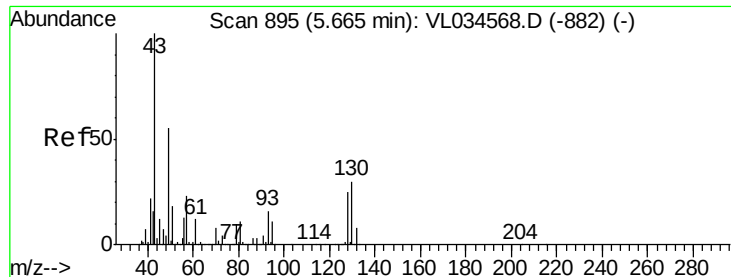
Instrument :
MSVOA_L
ClientSampleId :
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Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL034594.D

Acq: 5 Feb 2020 00:29

Instrument :

MSVOA_L

ClientSampled :

SG-1DL

Tot Ion: 49 Resp: 1016227

Ion Ratio Lower Upper

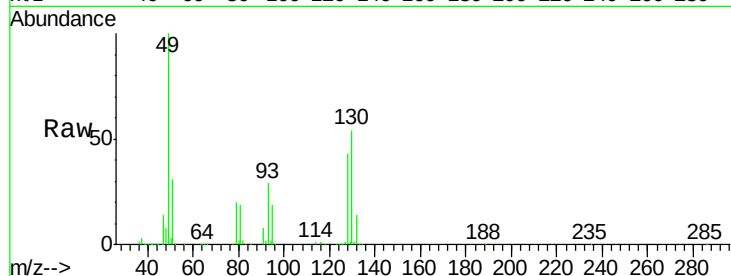
49 100

128 45.8 22.7 68.1

130 57.5 28.6 85.8

Manual Integrations
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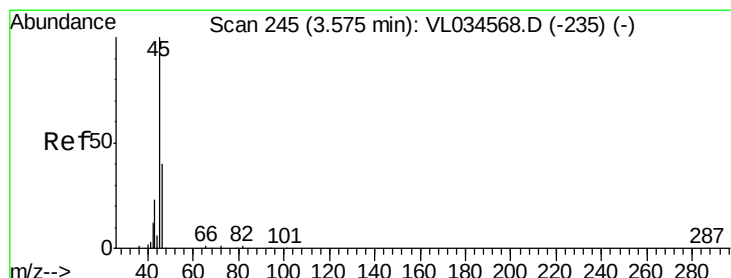
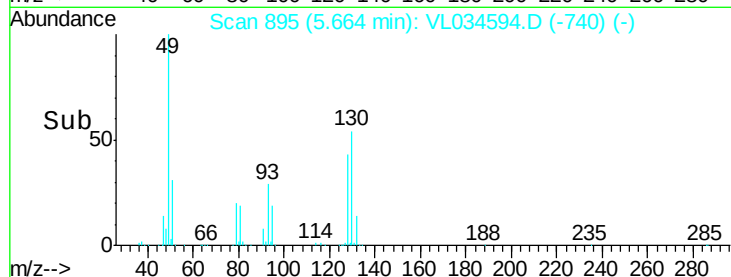
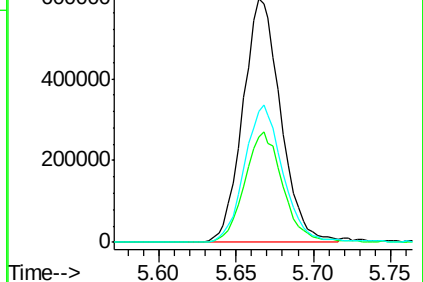
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 1.505 ppbv m

RT: 3.59 min Scan# 251

Delta R.T. 0.02 min

Lab File: VL034594.D

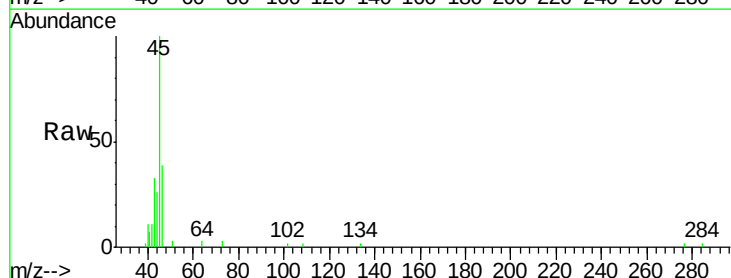
Acq: 5 Feb 2020 00:29

Tgt Ion: 45 Resp: 19278

Ion Ratio Lower Upper

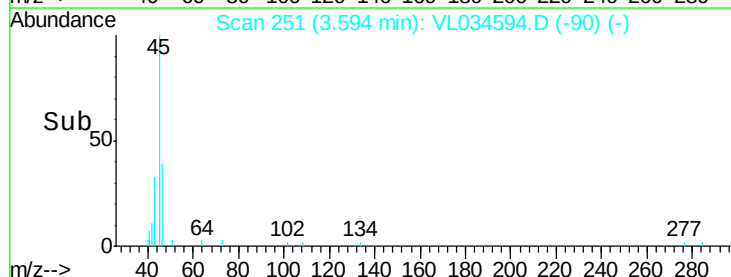
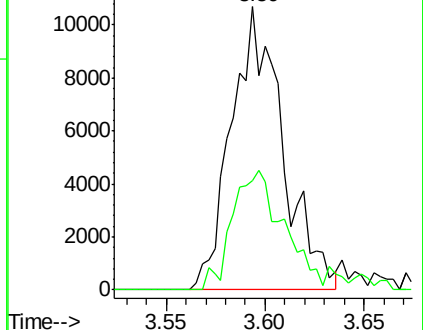
45 100

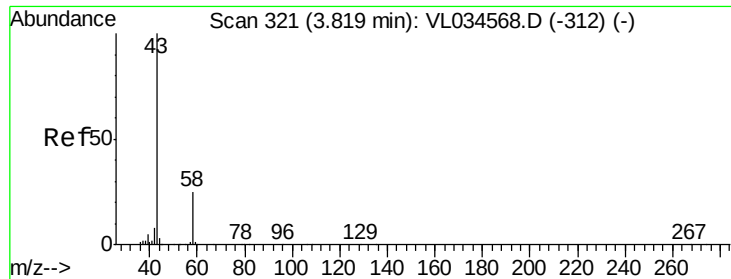
46 0.0 14.8 59.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.984 ppbv

RT: 3.83 min Scan# 326

Delta R.T. 0.02 min

Lab File: VL034594.D

Acq: 5 Feb 2020 00:29

Instrument :

MSVOA_L

ClientSampled :

SG-1DL

Tot Ion: 43 Resp: 146999

Ion Ratio Lower Upper

43 100

58 26.9

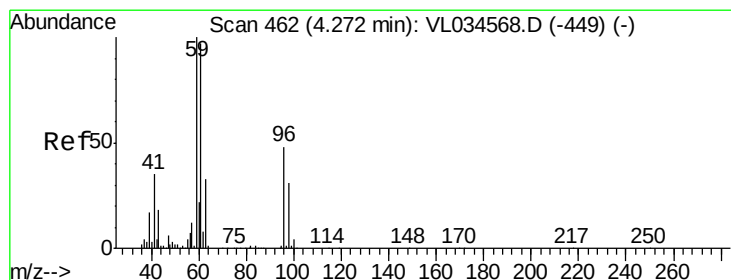
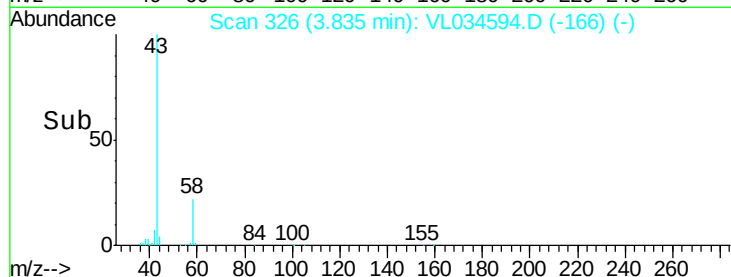
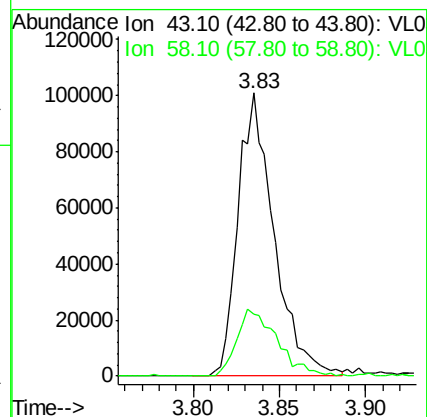
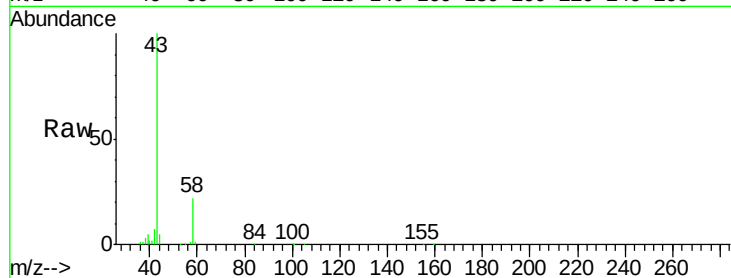
20.3

30.5

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#17

tert-Butyl alcohol

Concen: 0.116 ppbv m

RT: 4.31 min Scan# 473

Delta R.T. 0.04 min

Lab File: VL034594.D

Acq: 5 Feb 2020 00:29

Tgt Ion: 59 Resp: 12776

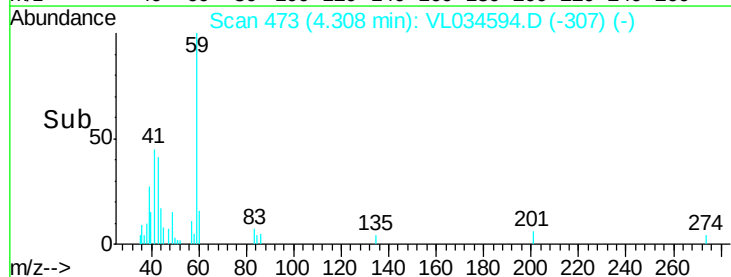
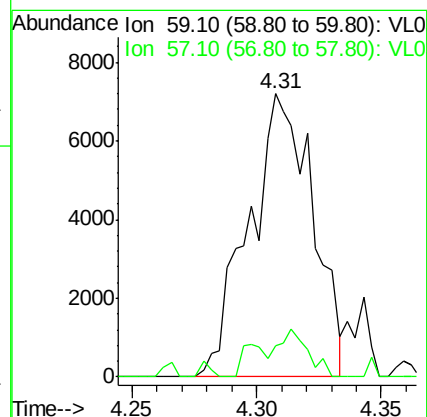
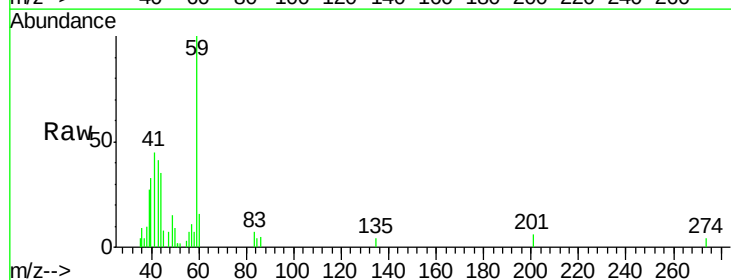
Ion Ratio Lower Upper

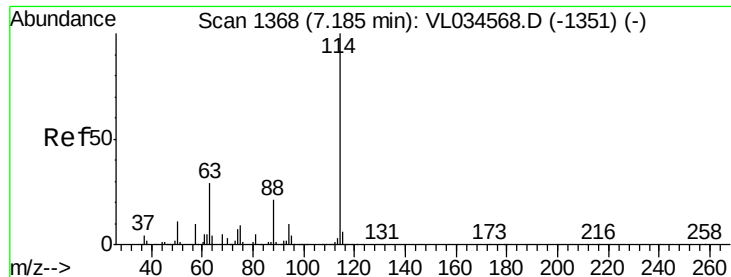
59 100

57 0.0

8.7

13.1#





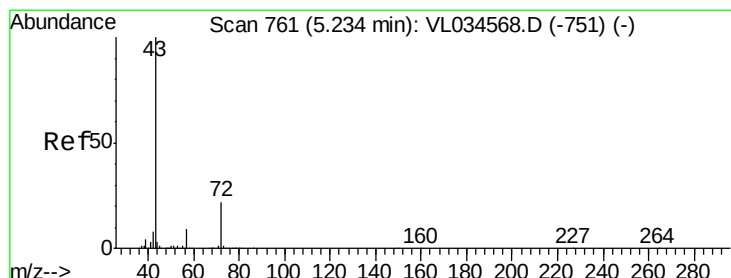
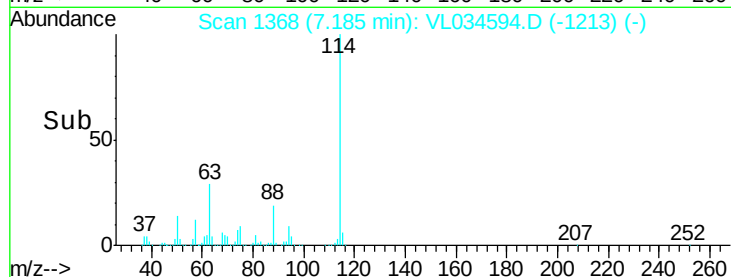
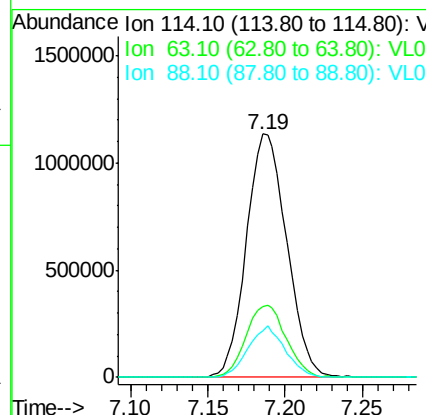
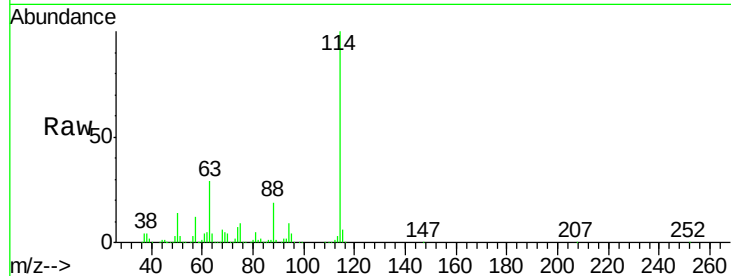
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL034594.D
 Acq: 5 Feb 2020 00:29

Instrument :
 MSVOA_L
 ClientSampled :
 SG-1DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.7	24.1	36.1
88	19.4	15.9	23.9

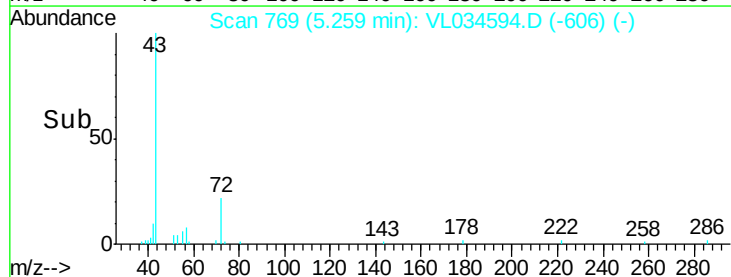
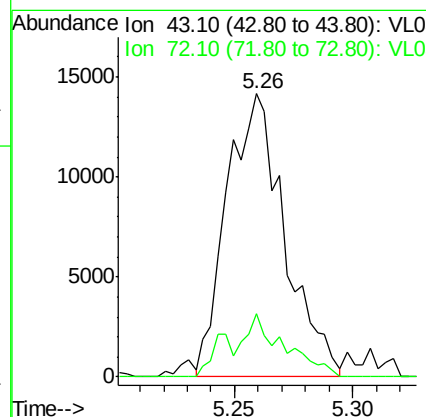
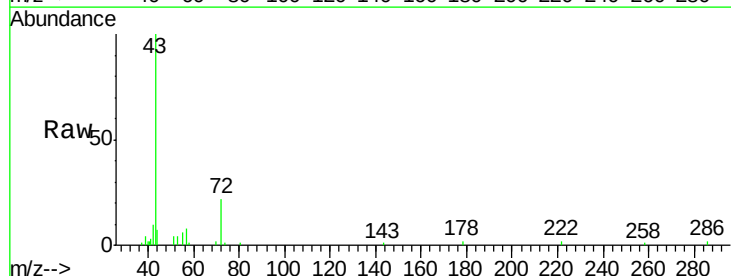
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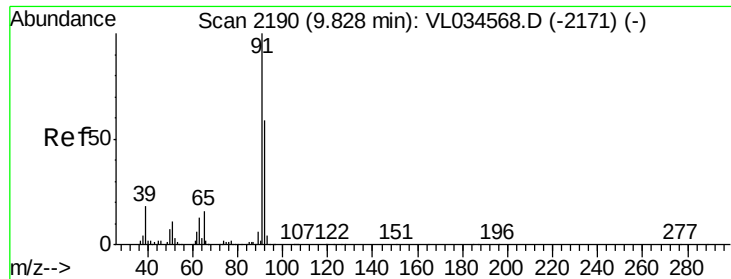
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#34
 2-Butanone
 Concen: 0.160 ppbv m
 RT: 5.26 min Scan# 769
 Delta R.T. 0.03 min
 Lab File: VL034594.D
 Acq: 5 Feb 2020 00:29

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.2	25.8#





#53

Toluene

Concen: 0.144 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.01 min

Lab File: VL034594.D

Acq: 5 Feb 2020 00:29

Instrument :

MSVOA_L

ClientSampleId :

SG-1DL

Tot Ion: 91 Resp: 29050

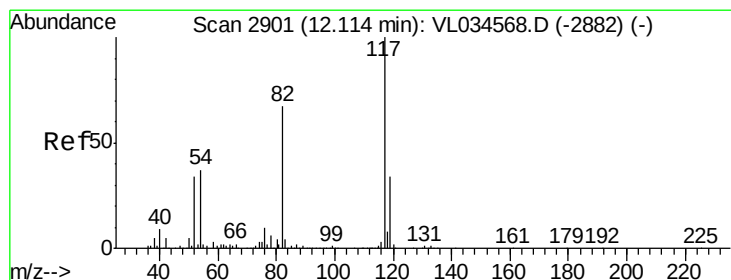
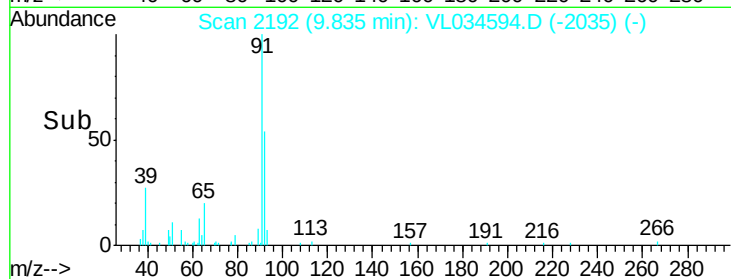
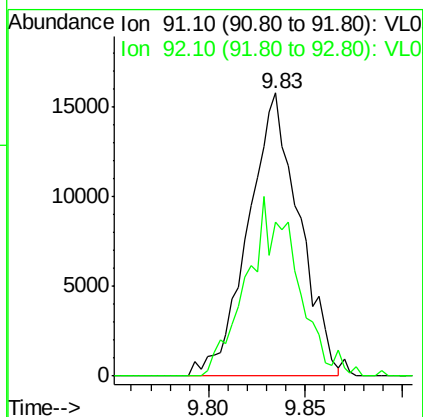
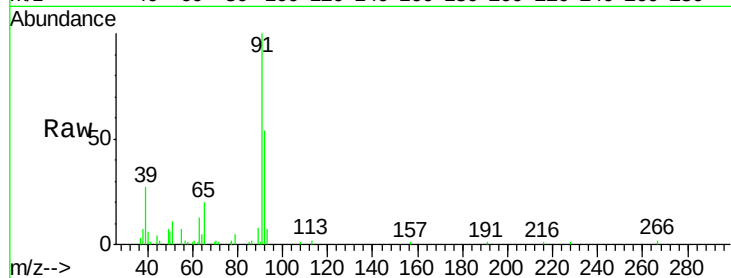
Ion Ratio Lower Upper

91 100

92 63.1 48.2 72.2

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. 0.01 min

Lab File: VL034594.D

Acq: 5 Feb 2020 00:29

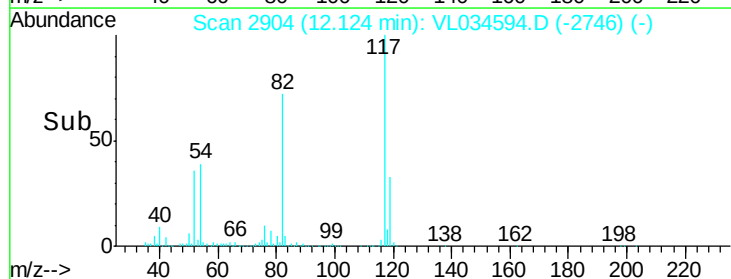
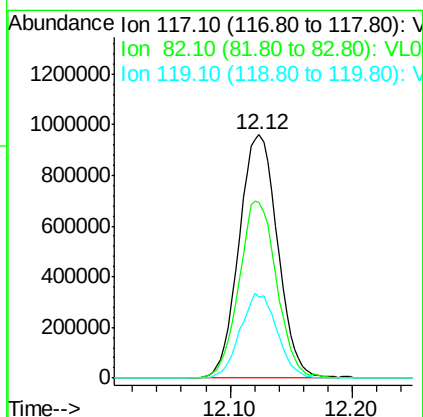
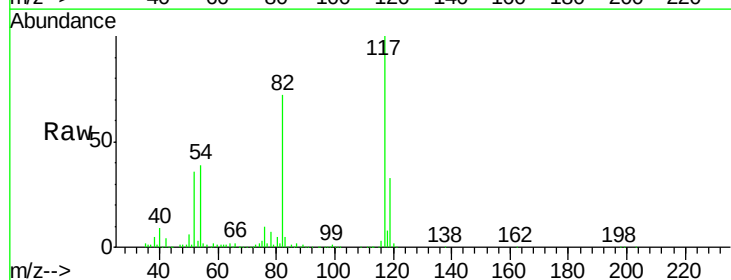
Tgt Ion: 117 Resp: 2092855

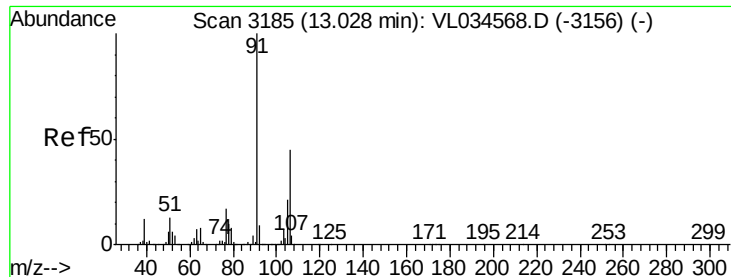
Ion Ratio Lower Upper

117 100

82 71.4 54.2 81.4

119 33.3 26.1 39.1





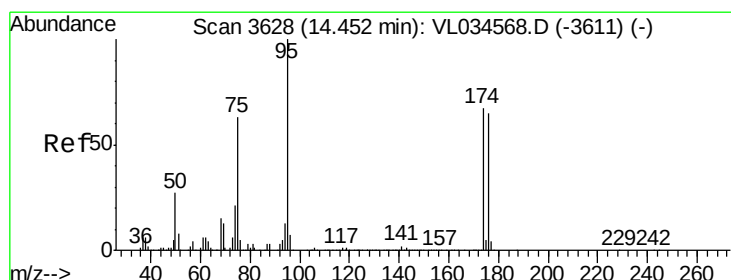
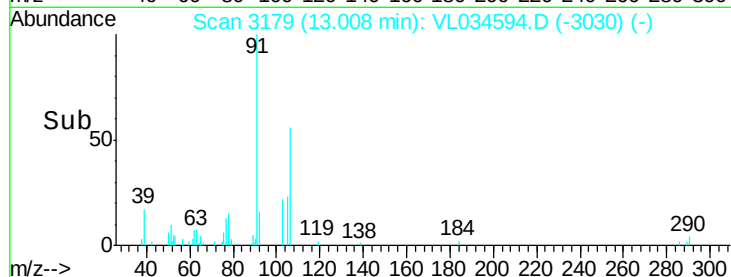
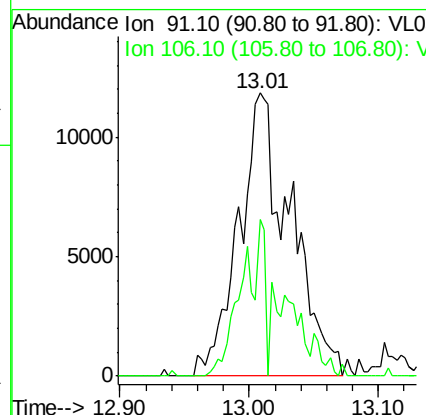
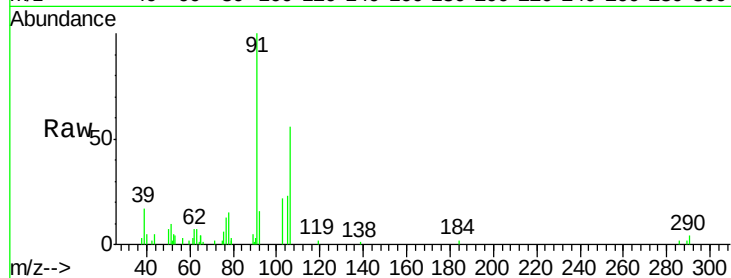
#59
m/p-Xylene
Concen: 0.132 ppbv m
RT: 13.01 min Scan# 3179
Delta R.T. -0.02 min
Lab File: VL034594.D
Acq: 5 Feb 2020 00:29

Instrument :
MSVOA_L
ClientSampled :
SG-1DL

Tot Ion: 91 Resp: 32731
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.206 ppbv
RT: 14.46 min Scan# 3629
Delta R.T. 0.00 min
Lab File: VL034594.D
Acq: 5 Feb 2020 00:29

Tgt Ion: 95 Resp: 1805214
Ion Ratio Lower Upper
95 100
174 63.7 52.3 78.5
175 4.6 3.8 5.6

