

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030320\
 Data File : VL034761.D
 Acq On : 3 Mar 2020 13:08
 Operator : SY/AP
 Sample : L1704-02DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4-4DL2

Manual Integrations
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Quant Time: Mar 04 07:08:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1092473	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	2233244	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2251185	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1872140	10.14	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	12575m	0.808	ppbv	
15) Acetone	3.84	43	408039	3.278	ppbv	98
20) Methylene Chloride	4.34	84	32065	0.693	ppbv	94
23) Vinyl Acetate	5.08	43	60810	0.359	ppbv	98
53) Toluene	9.85	91	119752	0.584	ppbv	98

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

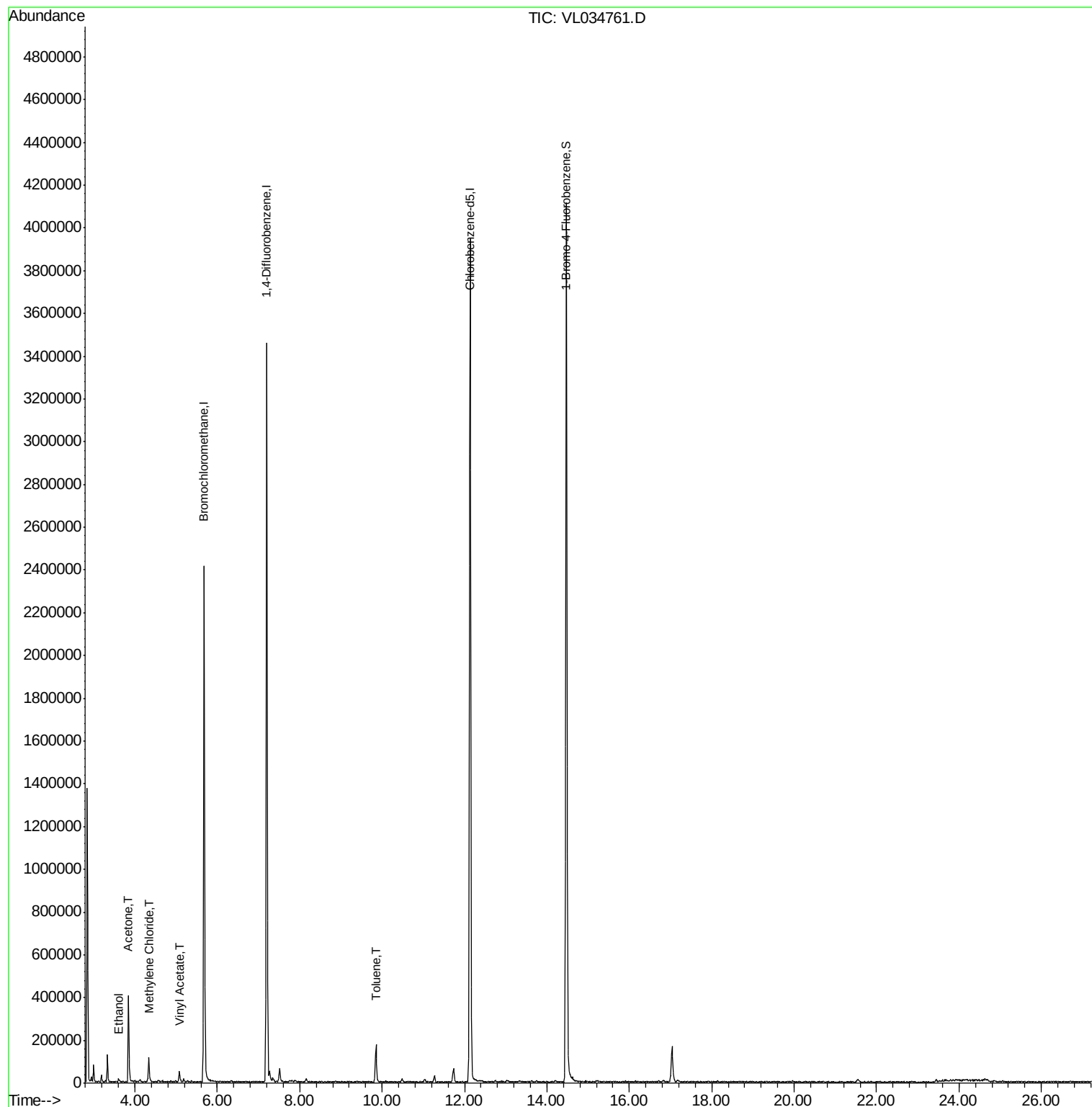
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030320\
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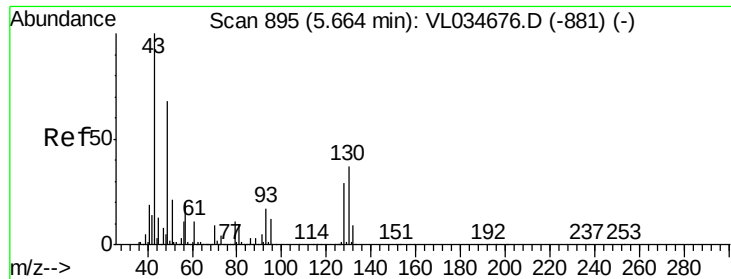
Instrument :
MSVOA_L
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Quant Time: Mar 04 07:08:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
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QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

Lab File: VL034761.D

Acq: 3 Mar 2020 13:08

Instrument :

MSVOA_L

ClientSampleId :

IA-4-4DL2

Tot Ion: 49 Resp: 1092473

Ion Ratio Lower Upper

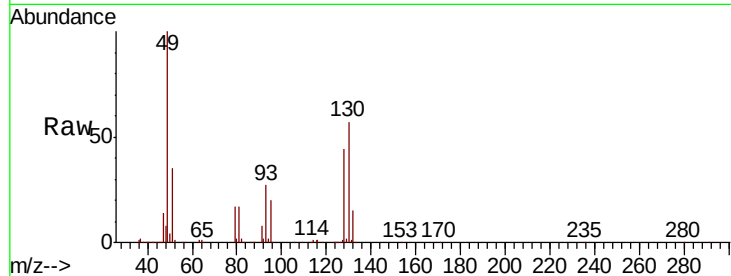
49 100

128 44.4 21.6 65.0

130 57.9 27.7 83.1

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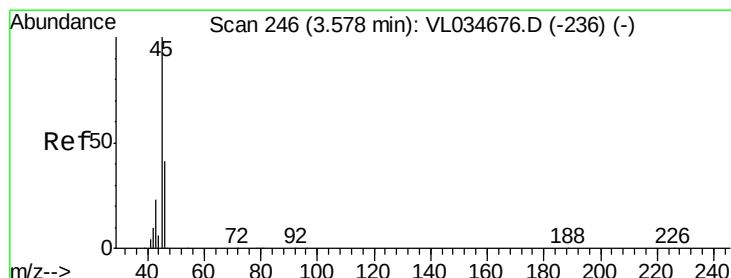
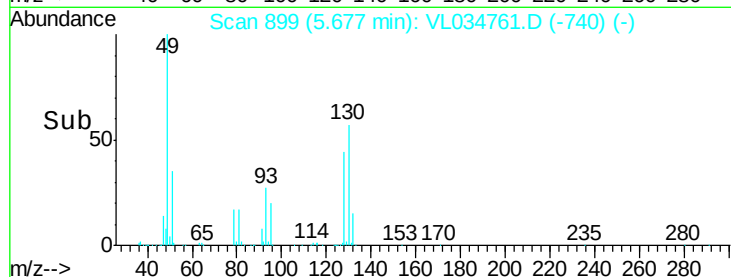
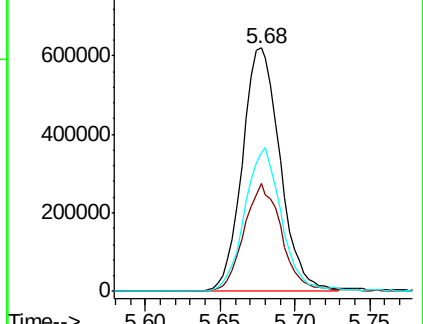
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 0.808 ppbv m

RT: 3.61 min Scan# 255

Delta R.T. 0.03 min

Lab File: VL034761.D

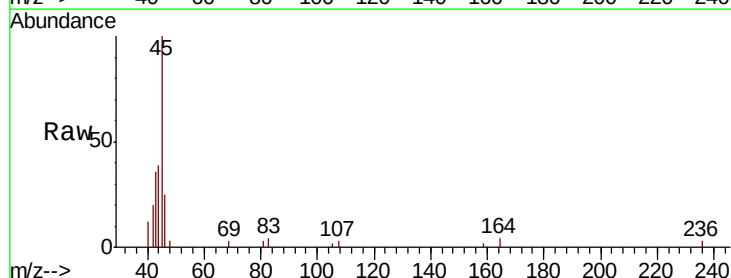
Acq: 3 Mar 2020 13:08

Tgt Ion: 45 Resp: 12575

Ion Ratio Lower Upper

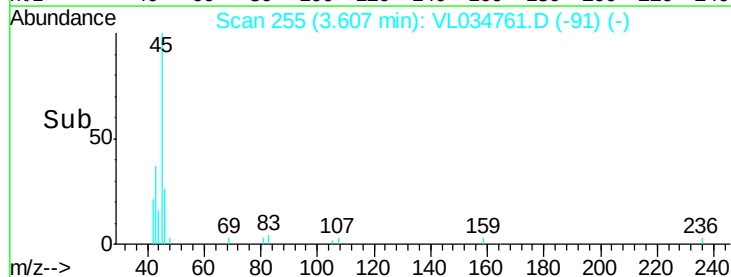
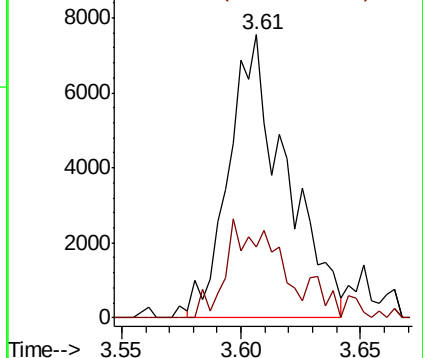
45 100

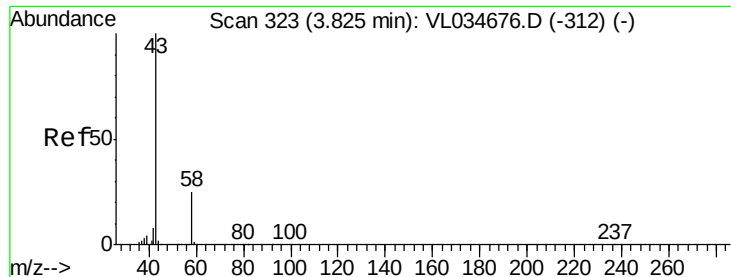
46 0.0 15.4 61.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 3.278 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.02 min

Lab File: VL034761.D

Acq: 3 Mar 2020 13:08

Instrument :

MSVOA_L

ClientSampleId :

IA-4-4DL2

Tot Ion: 43 Resp: 408039

Ion Ratio Lower Upper

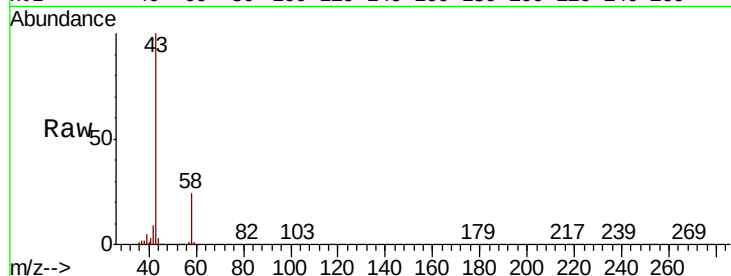
43 100

58 25.4 21.4 32.0

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

250000

200000

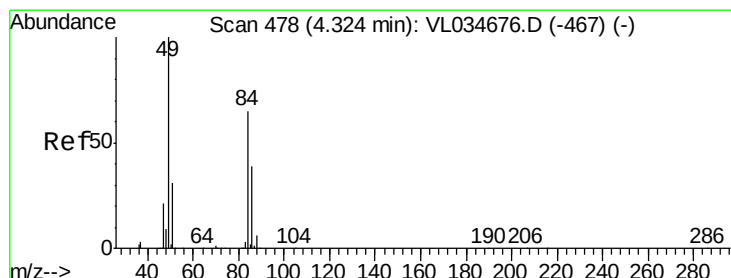
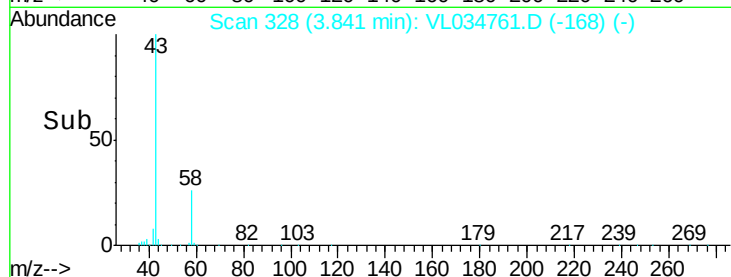
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 0.693 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.02 min

Lab File: VL034761.D

Acq: 3 Mar 2020 13:08

Tgt Ion: 84 Resp: 32065

Ion Ratio Lower Upper

84 100

49 146.5 122.8 184.2

51 42.1 38.6 58.0

86 64.3 47.7 71.5

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

50000

40000

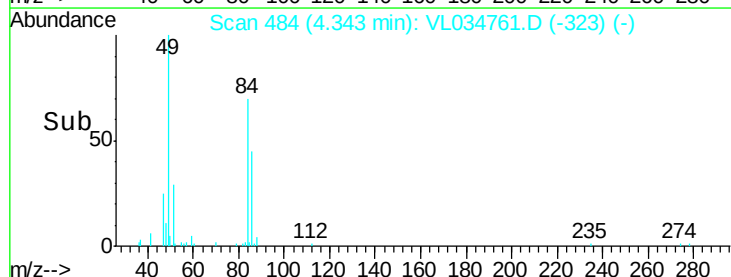
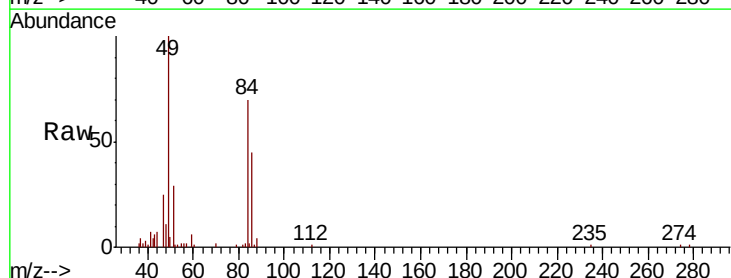
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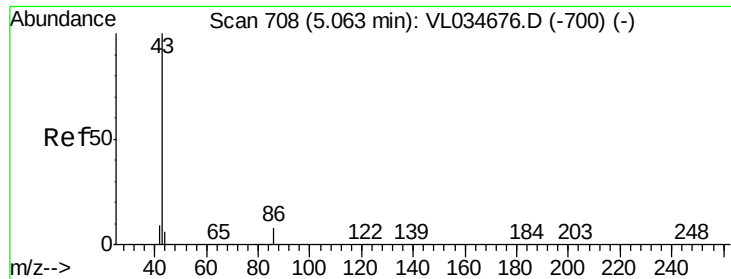
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10000

0

Time-->





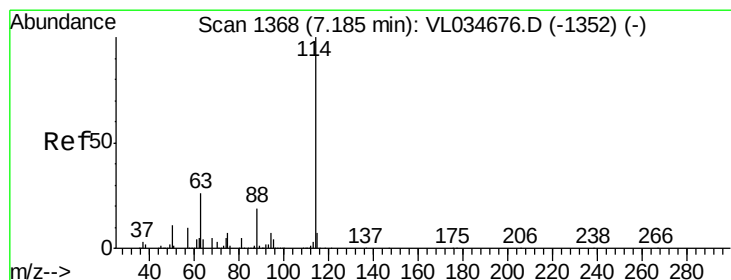
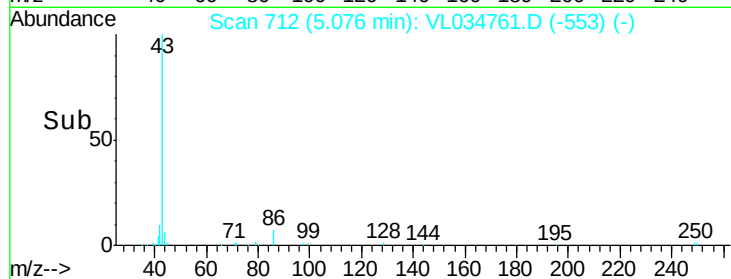
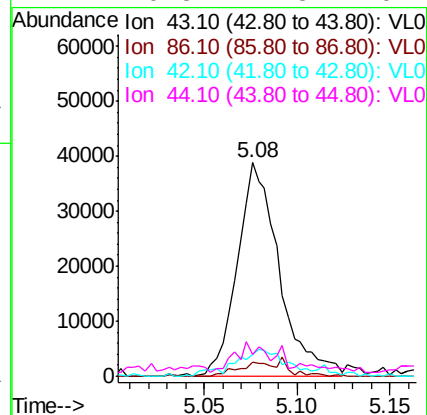
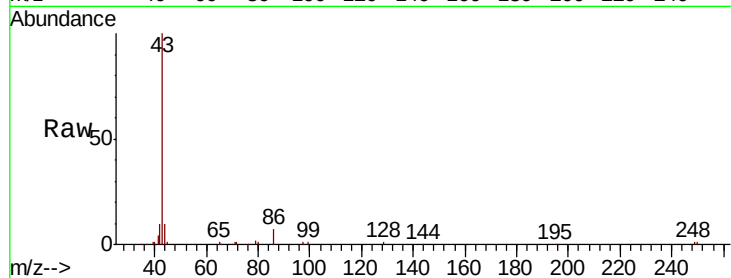
#23
 Vinyl Acetate
 Concen: 0.359 ppbv
 RT: 5.08 min Scan# 712
 Delta R.T. 0.01 min
 Lab File: VL034761.D
 Acq: 3 Mar 2020 13:08

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4-4DL2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		60810		
86	6.5		6.0	9.0	
42	10.5		8.0	12.0	
44	6.3		4.5	6.7	

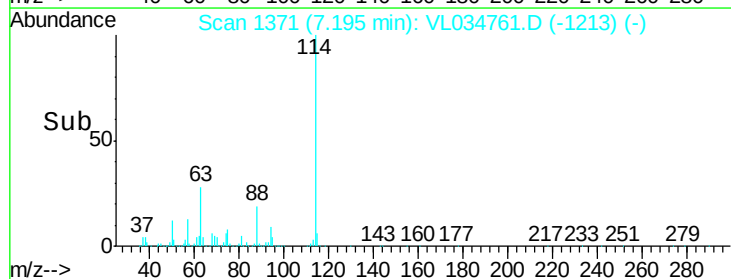
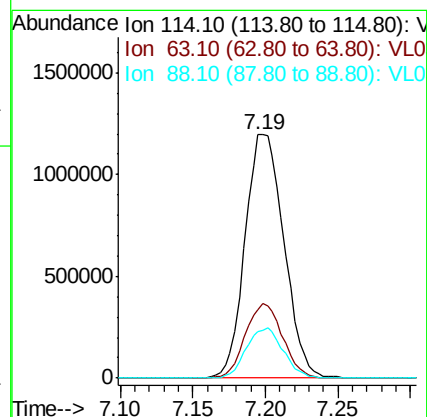
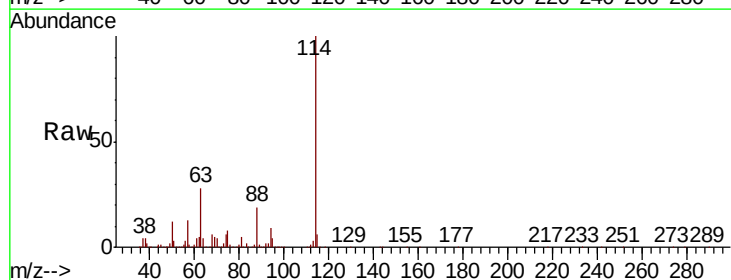
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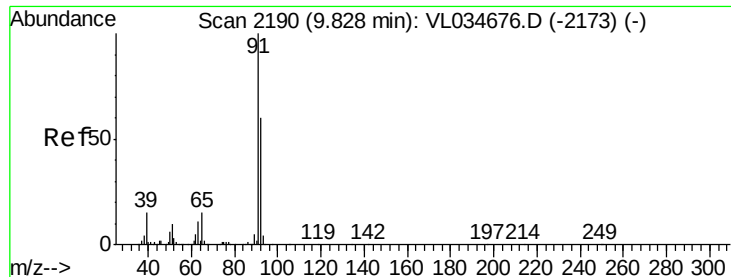
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. 0.01 min
 Lab File: VL034761.D
 Acq: 3 Mar 2020 13:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
114	100		2233244		
63	29.4		22.9	34.3	
88	19.7		15.8	23.6	





#53

Toluene

Concen: 0.584 ppbv

RT: 9.85 min Scan# 2197

Delta R.T. 0.02 min

Lab File: VL034761.D

Acq: 3 Mar 2020 13:08

Instrument :

MSVOA_L

ClientSampleId :

IA-4-4DL2

Tot Ion: 91 Resp: 119752

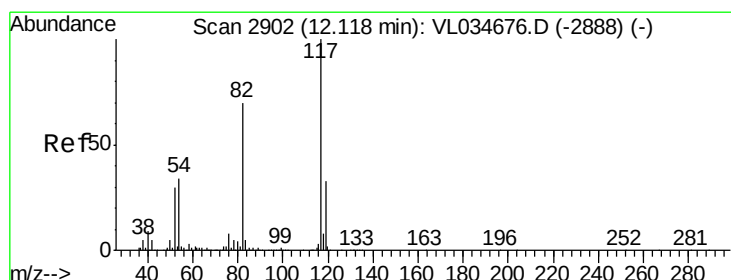
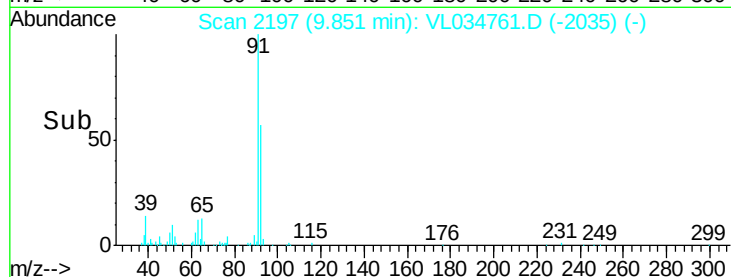
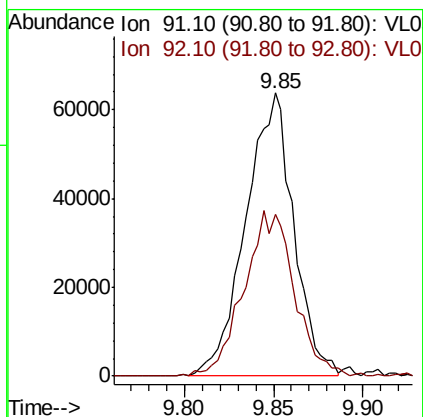
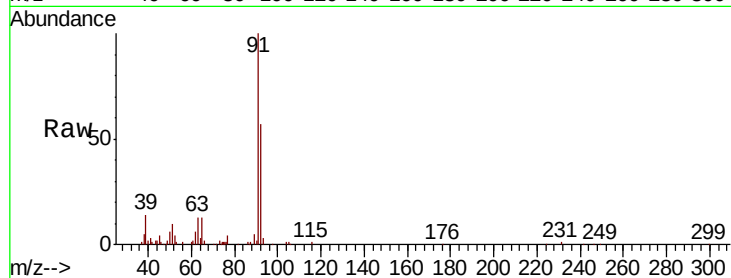
Ion Ratio Lower Upper

91 100

92 61.9 48.5 72.7

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. 0.02 min

Lab File: VL034761.D

Acq: 3 Mar 2020 13:08

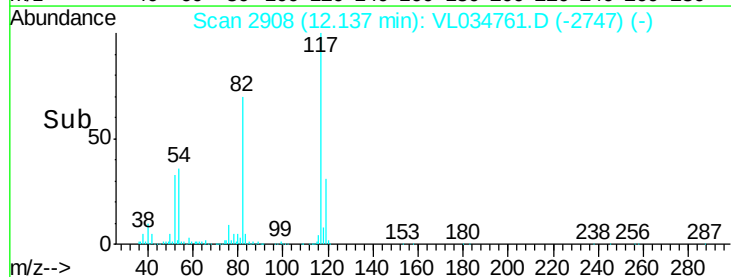
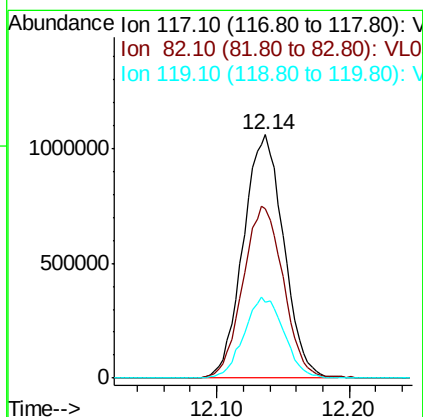
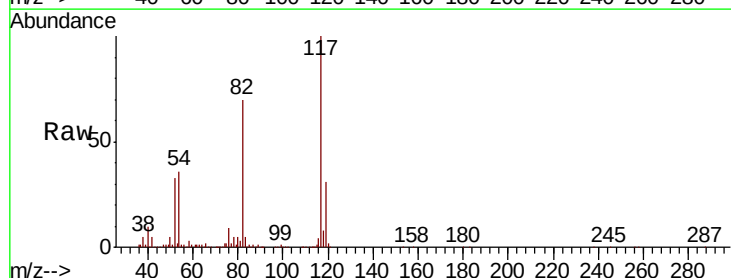
Tgt Ion: 117 Resp: 2251185

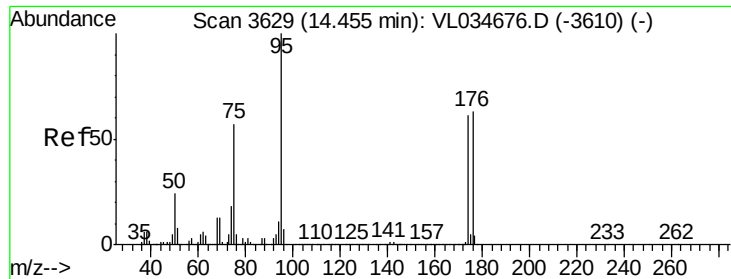
Ion Ratio Lower Upper

117 100

82 71.0 54.1 81.1

119 33.0 27.6 41.4





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.142 ppbv
 RT: 14.47 min Scan# 3634
 Delta R.T. 0.02 min
 Lab File: VL034761.D
 Acq: 3 Mar 2020 13:08

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4-4DL2

Tot Ion: 95 Resp: 1872140
 Ion Ratio Lower Upper
 95 100
 174 63.7 50.7 76.1
 175 4.7 3.9 5.9

Manual Integrations
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