

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022820\
 Data File : VL034742.D
 Acq On : 28 Feb 2020 18:27
 Operator : SY/AP
 Sample : L1704-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2-4DL

Manual Integrations
 APPROVED

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 3/2/2020 1:01:27 PM

Quant Time: Mar 02 12:01:11 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	5.67	49	1077306	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2236729	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2170873	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1848505	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	24835m	0.511	ppbv	
10) Heptane	8.14	43	991726	7.928	ppbv	99
13) Ethanol	3.59	45	71129	4.633	ppbv	99
15) Acetone	3.82	43	10166872	82.819	ppbv #	66
26) Hexane	5.68	57	88611	0.885	ppbv #	48
30) Cyclohexane	7.14	84	51270m	0.661	ppbv	
53) Toluene	9.83	91	5081112	24.729	ppbv	96
59) m/p-Xylene	13.01	91	64675m	0.282	ppbv	

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

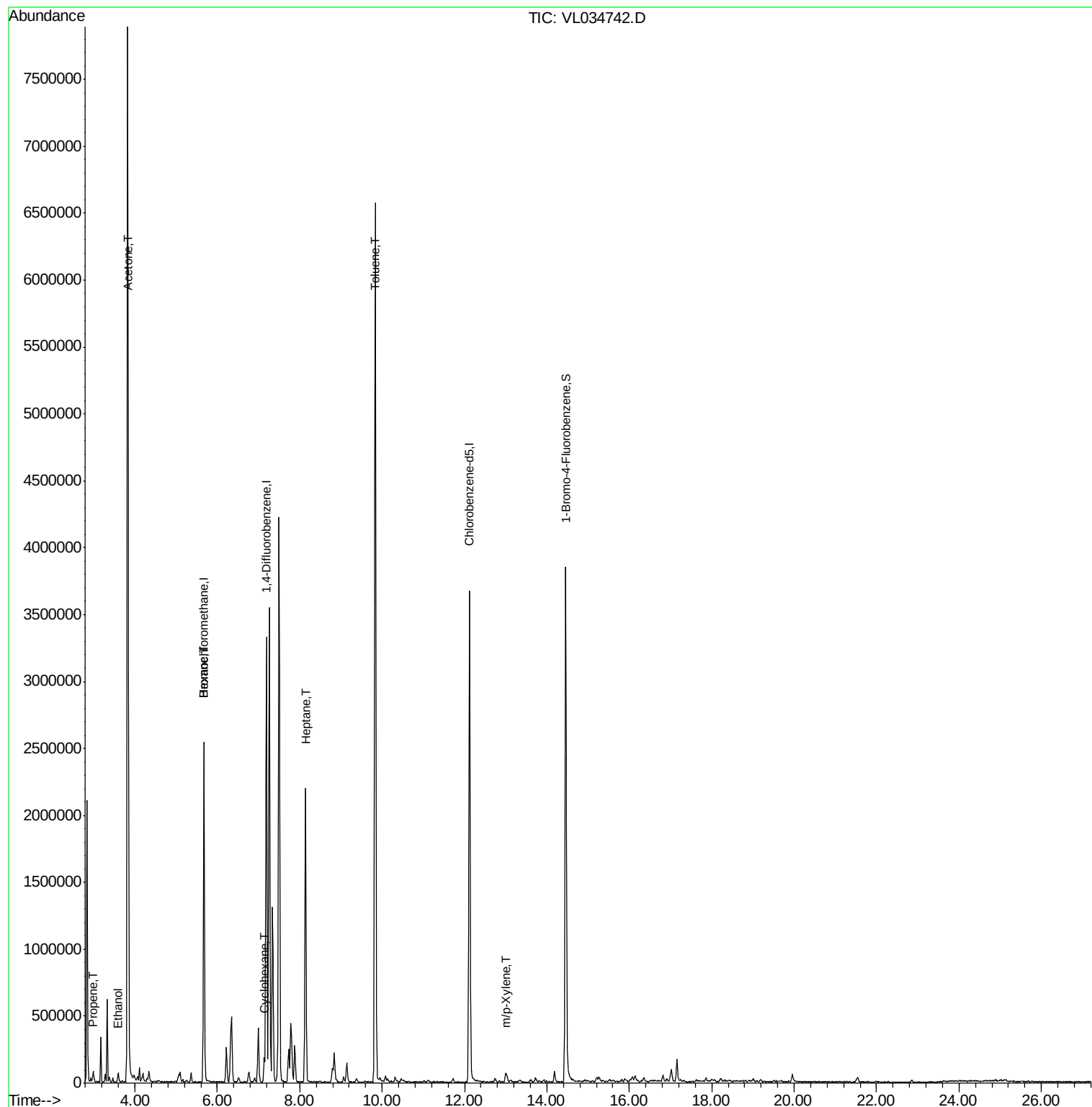
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022820\
Data File : VL034742.D
Acq On : 28 Feb 2020 18:27
Operator : SY/AP
Sample : L1704-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

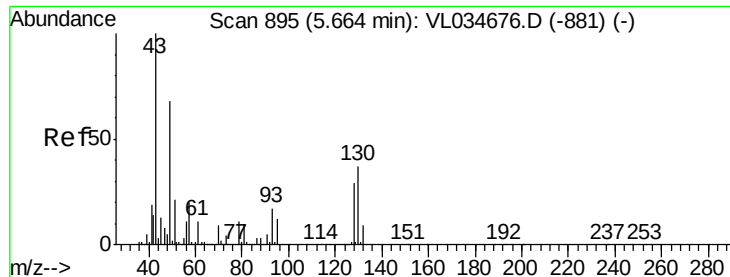
Instrument :
MSVOA_L
ClientSampleId :
IA-2-4DL

Manual Integrations
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Quant Time: Mar 02 12:01:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration





#1

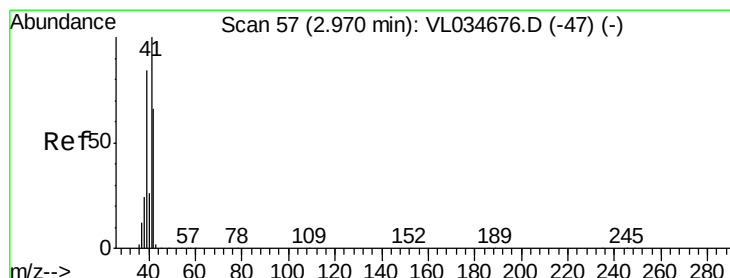
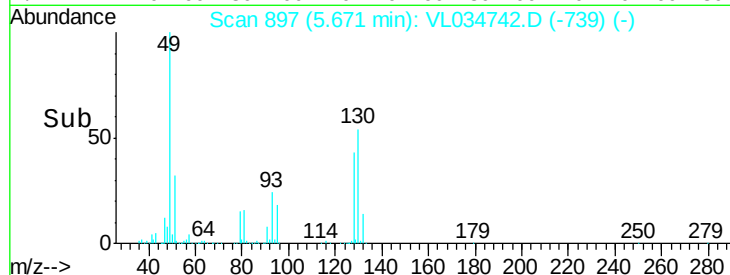
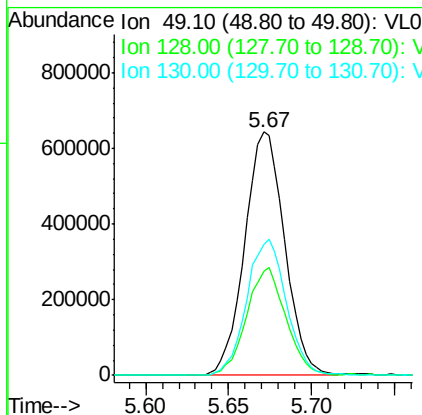
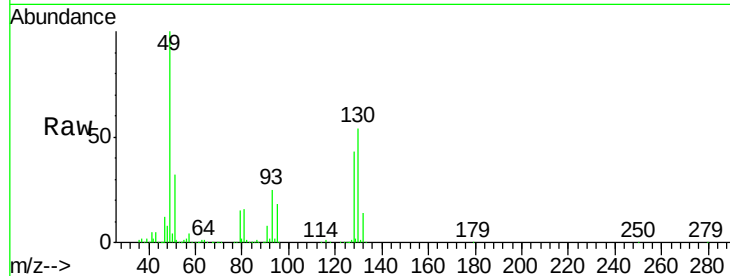
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 897
 Delta R.T. 0.01 min
 Lab File: VL034742.D
 Acq: 28 Feb 2020 18:27

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2-4DL

Tot Ion: 49 Resp: 1077306
 Ion Ratio Lower Upper
 49 100
 128 43.6 21.6 65.0
 130 56.1 27.7 83.1

Manual Integrations
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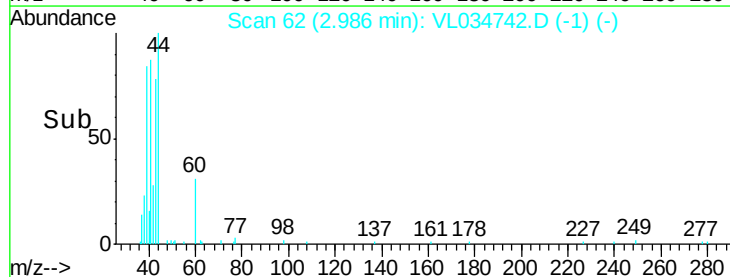
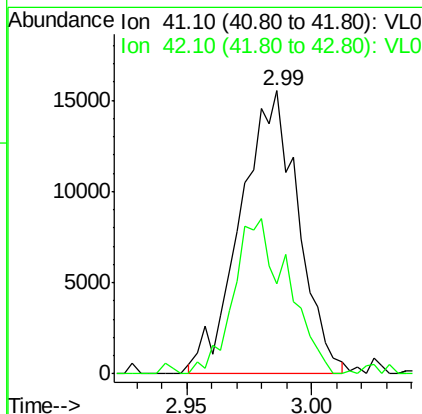
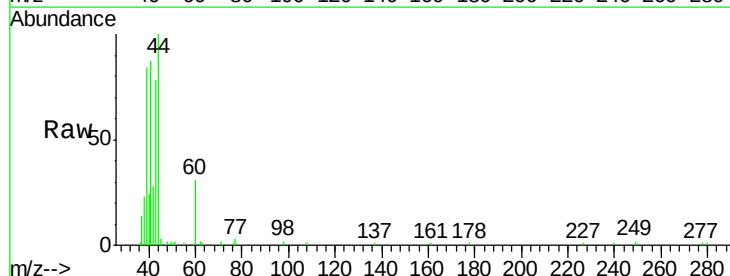
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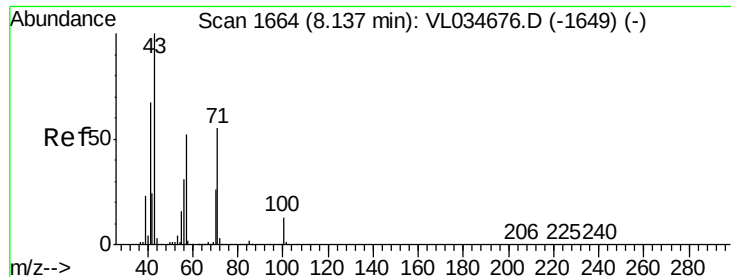


#9

Propene
 Concen: 0.511 ppbv m
 RT: 2.99 min Scan# 62
 Delta R.T. 0.02 min
 Lab File: VL034742.D
 Acq: 28 Feb 2020 18:27

Tgt Ion: 41 Resp: 24835
 Ion Ratio Lower Upper
 41 100
 42 53.3 54.9 82.3#





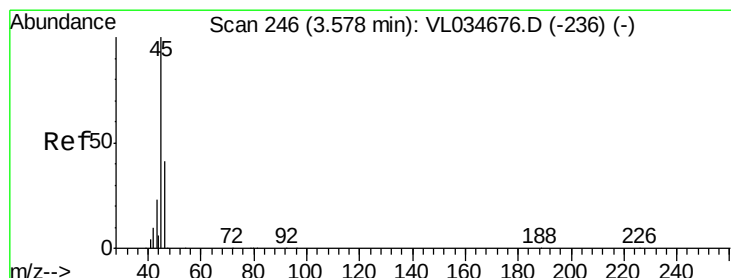
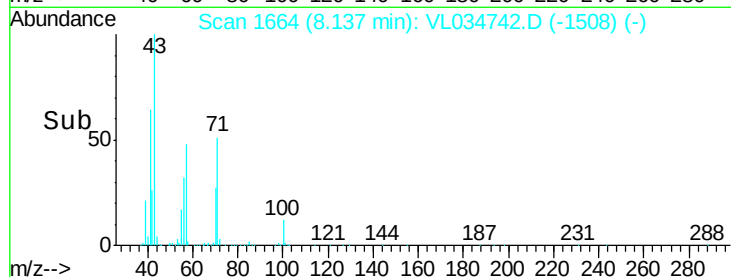
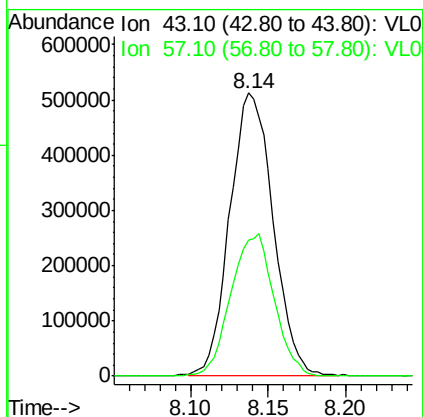
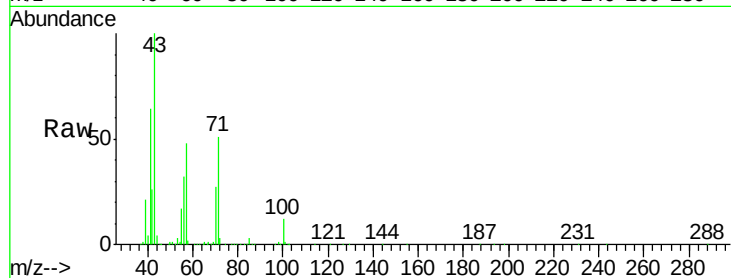
#10
Heptane
Concen: 7.928 ppbv
RT: 8.14 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VL034742.D
Acq: 28 Feb 2020 18:27

Instrument :
MSVOA_L
ClientSampleId :
IA-2-4DL

Tot Ion: 43 Resp: 991726
Ion Ratio Lower Upper
43 100
57 50.6 41.0 61.6

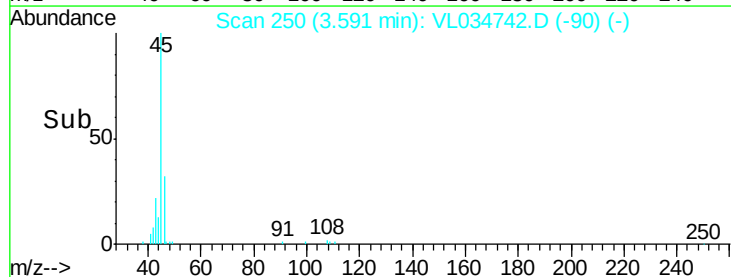
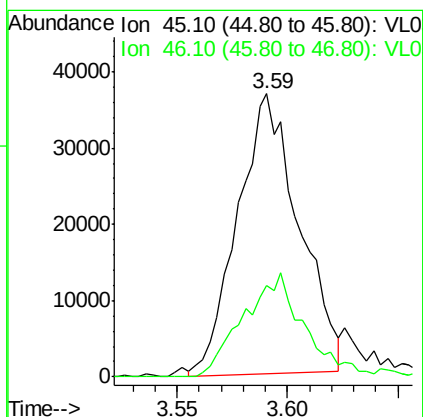
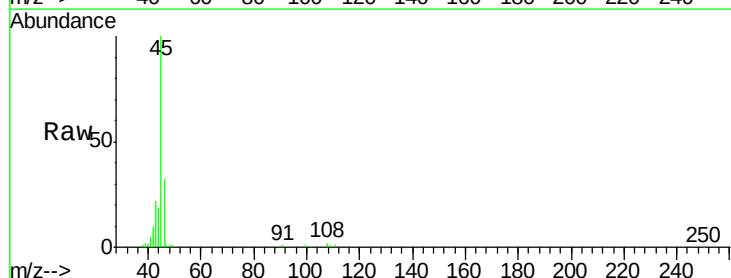
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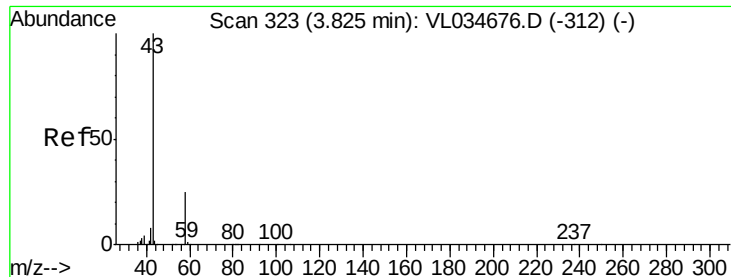
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#13
Ethanol
Concen: 4.633 ppbv
RT: 3.59 min Scan# 250
Delta R.T. 0.01 min
Lab File: VL034742.D
Acq: 28 Feb 2020 18:27

Tgt Ion: 45 Resp: 71129
Ion Ratio Lower Upper
45 100
46 37.7 15.4 61.4





#15

Acetone

Concen: 82.819 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.00 min

Lab File: VL034742.D

Acq: 28 Feb 2020 18:27

Instrument :

MSVOA_L

ClientSampleId :

IA-2-4DL

Tot Ion: 43 Resp:10166872

Ion Ratio Lower Upper

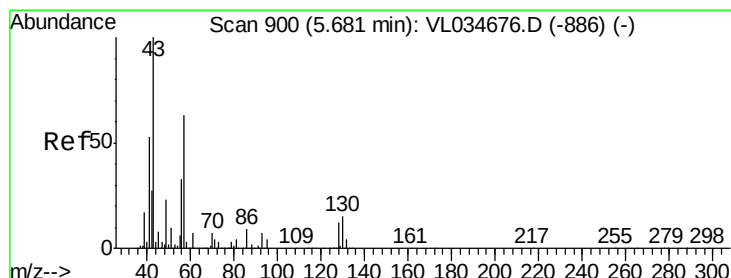
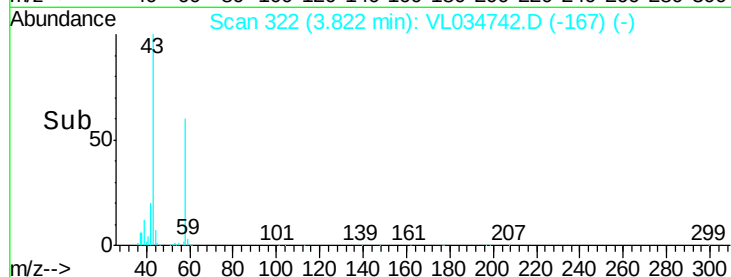
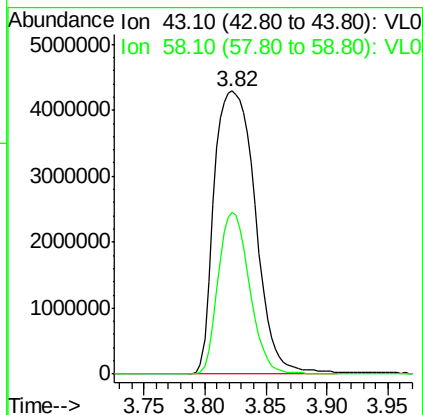
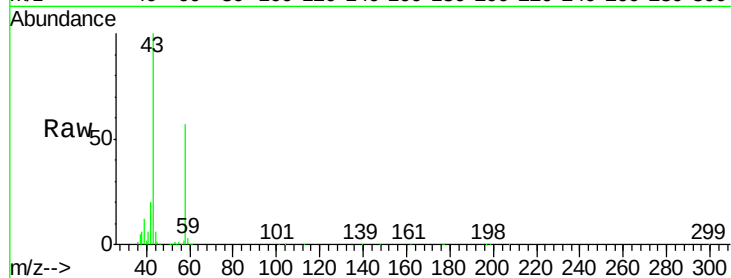
43 100

58 44.1 21.4 32.0#

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#26

Hexane

Concen: 0.885 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.00 min

Lab File: VL034742.D

Acq: 28 Feb 2020 18:27

Tgt Ion: 57 Resp: 88611

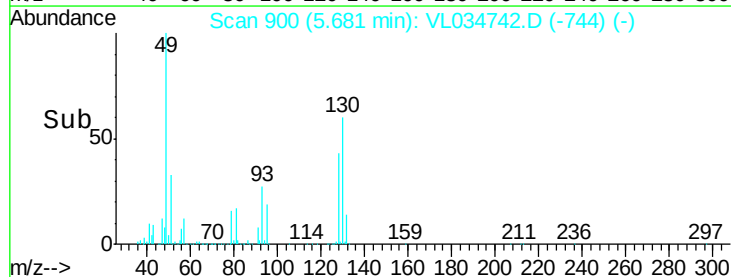
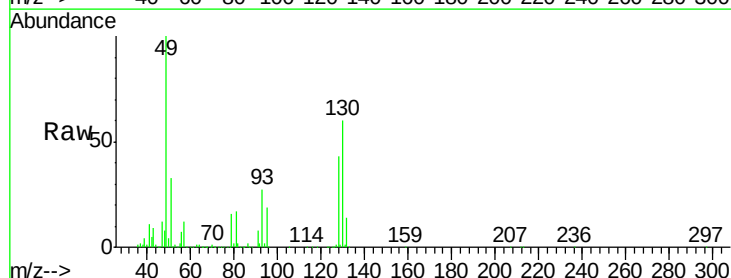
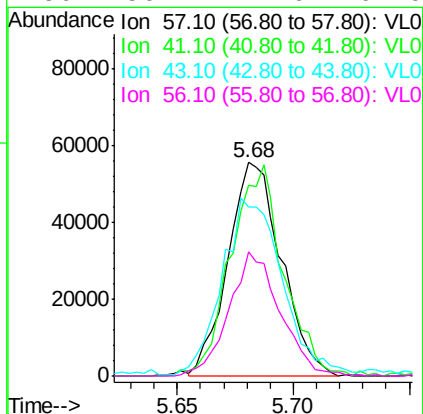
Ion Ratio Lower Upper

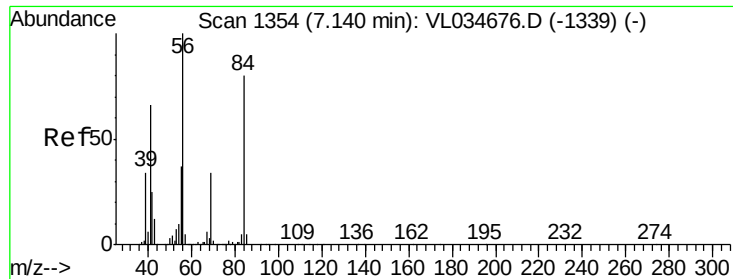
57 100

41 98.8 70.3 105.5

43 91.9 177.0 265.4#

56 56.2 42.6 64.0





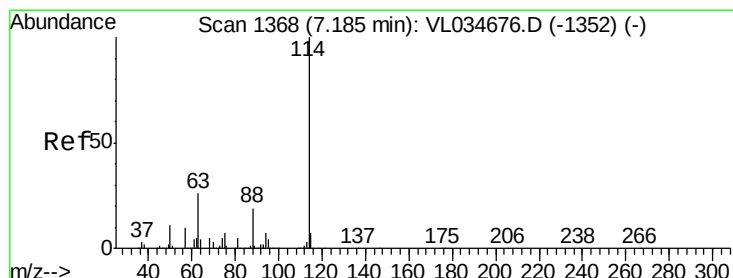
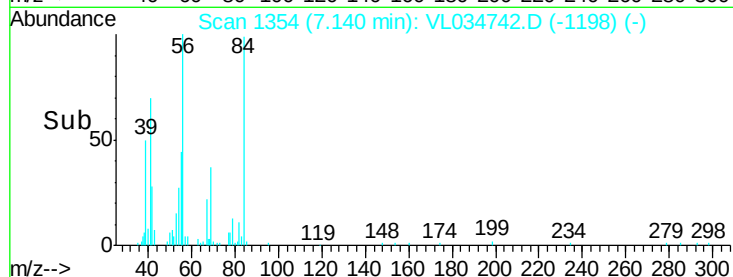
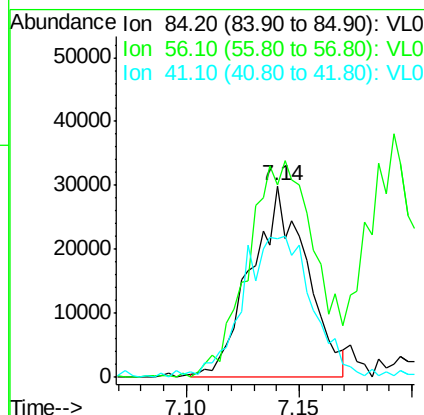
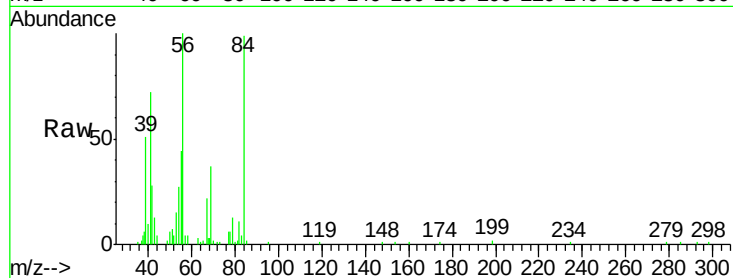
#30
Cyclohexane
Concen: 0.661 ppbv m
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL034742.D
Acq: 28 Feb 2020 18:27

Instrument :
MSVOA_L
ClientSampled :
IA-2-4DL

Tot Ion	84	Resp	51270
Ion Ratio	Lower	Upper	
84	100		
56	138.3	113.4	170.2
41	93.6	68.2	102.4

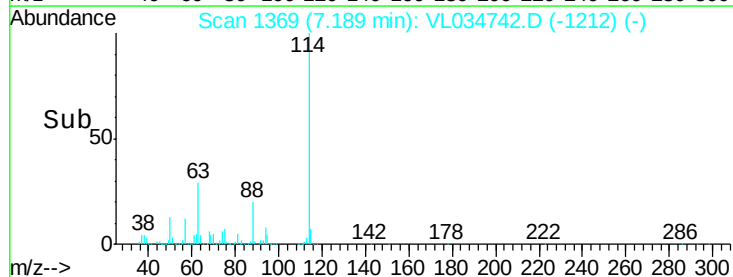
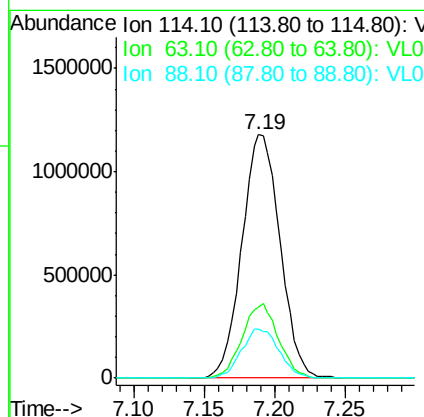
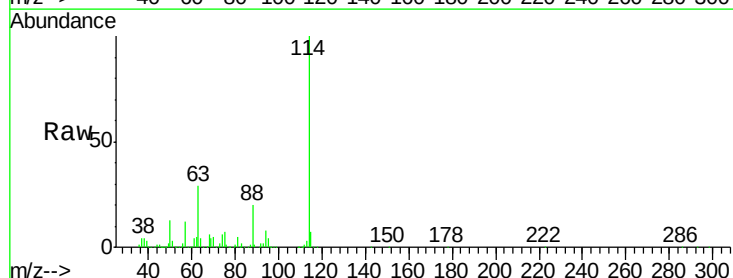
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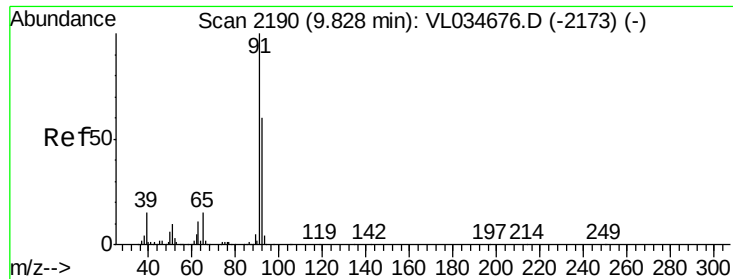
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VL034742.D
Acq: 28 Feb 2020 18:27

Tgt Ion	114	Resp	2236729
Ion Ratio	Lower	Upper	
114	100		
63	29.1	22.9	34.3
88	20.0	15.8	23.6





#53

Toluene

Concen: 24.729 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VL034742.D

Acq: 28 Feb 2020 18:27

Instrument :

MSVOA_L

ClientSampleId :

IA-2-4DL

Tot Ion: 91 Resp: 5081112

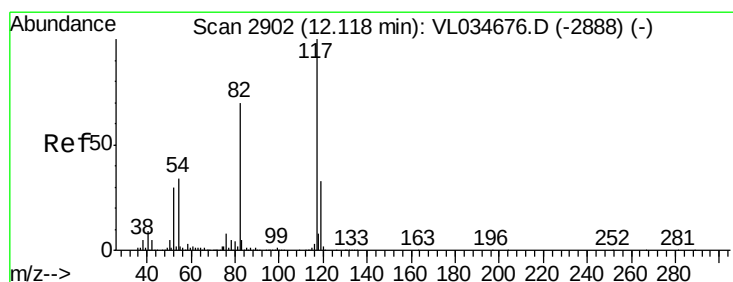
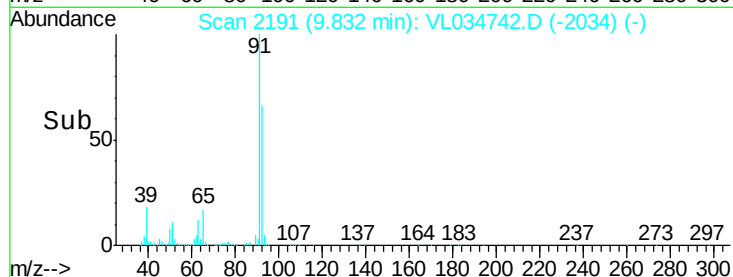
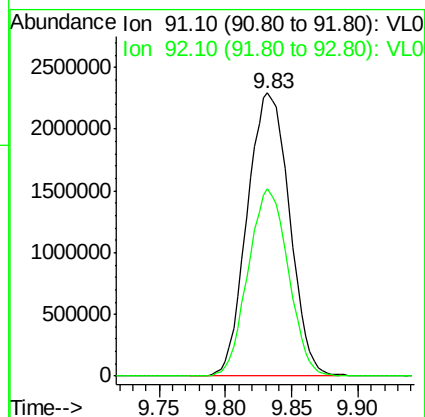
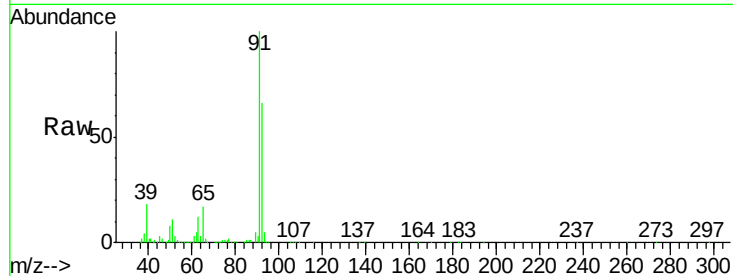
Ion Ratio Lower Upper

91 100

92 63.4 48.5 72.7

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. 0.00 min

Lab File: VL034742.D

Acq: 28 Feb 2020 18:27

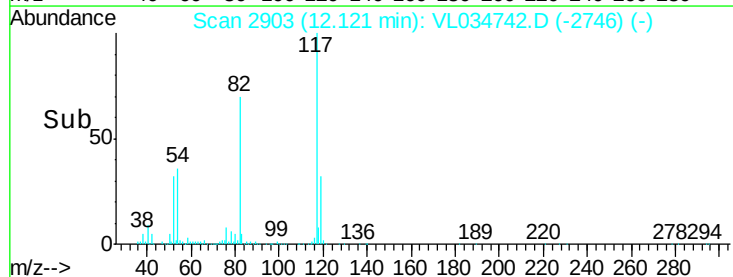
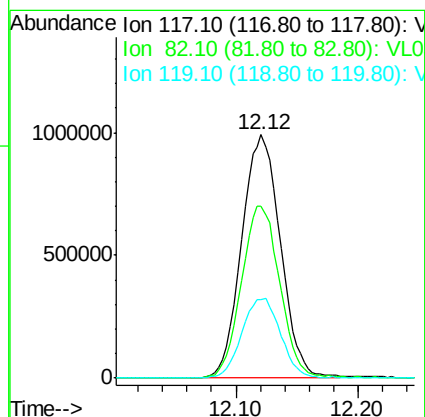
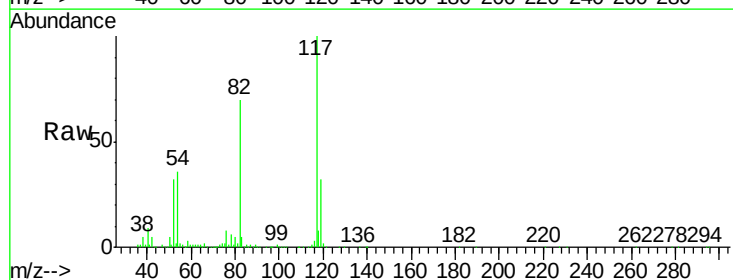
Tgt Ion: 117 Resp: 2170873

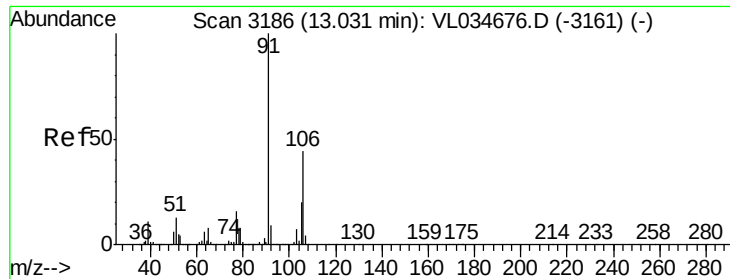
Ion Ratio Lower Upper

117 100

82 70.7 54.1 81.1

119 33.3 27.6 41.4





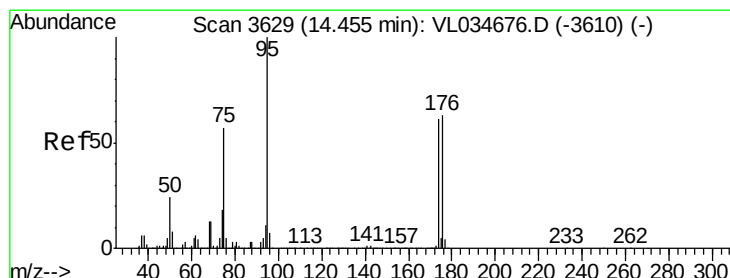
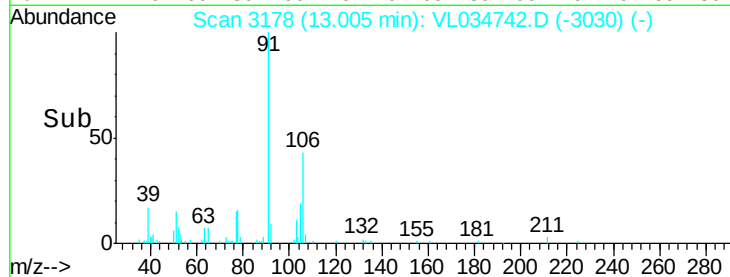
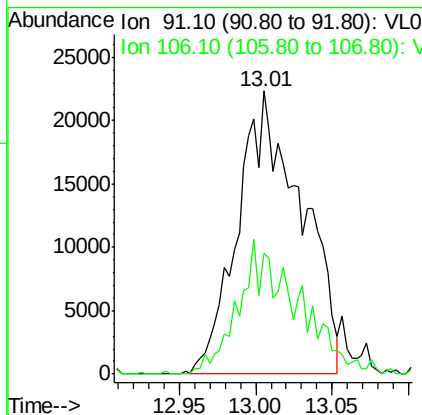
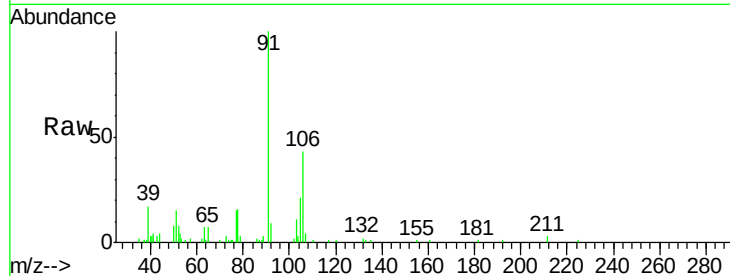
#59
m/p-Xylene
Concen: 0.282 ppbv m
RT: 13.01 min Scan# 3178
Delta R.T. -0.03 min
Lab File: VL034742.D
Acq: 28 Feb 2020 18:27

Instrument :
MSVOA_L
ClientSampled :
IA-2-4DL

Tot Ion: 91 Resp: 64675
Ion Ratio Lower Upper
91 100
106 0.0 35.6 53.4#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.385 ppbv
RT: 14.46 min Scan# 3629
Delta R.T. 0.00 min
Lab File: VL034742.D
Acq: 28 Feb 2020 18:27

Tgt Ion: 95 Resp: 1848505
Ion Ratio Lower Upper
95 100
174 62.5 50.7 76.1
175 4.8 3.9 5.9

