

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101419\
 Data File : VL034291.D
 Acq On : 14 Oct 2019 21:17
 Operator : SY/AP
 Sample : K5302-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
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 10/16/2019 12:59:36 AM

Quant Time: Oct 15 07:39:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1043445	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1794052	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1757174	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.49	95	1559394	10.21	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	10724m	0.178	ppbv	
13) Ethanol	3.59	45	504648	34.526	ppbv	98
15) Acetone	3.85	43	299938	2.145	ppbv #	82
19) Isopropyl Alcohol	3.97	45	146219	1.700	ppbv #	96
20) Methylene Chloride	4.35	84	13853	0.344	ppbv #	75
25) Ethyl Acetate	5.70	43	109957	0.416	ppbv	98
26) Hexane	5.71	57	46774	0.425	ppbv	94
34) 2-Butanone	5.27	43	20372m	0.111	ppbv	
53) Toluene	9.86	91	89140	0.412	ppbv	95

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

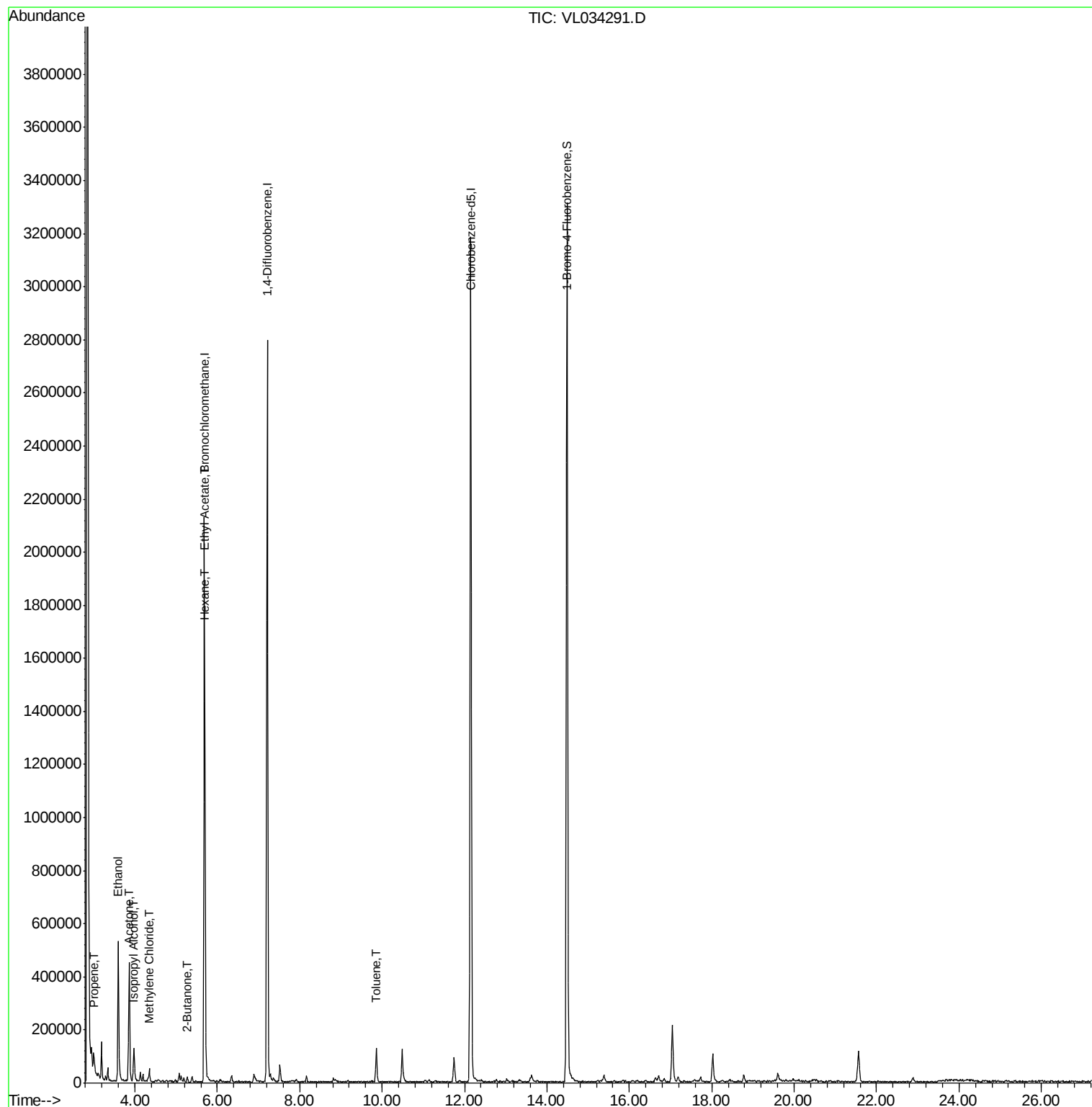
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101419\
Data File : VL034291.D
Acq On : 14 Oct 2019 21:17
Operator : SY/AP
Sample : K5302-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

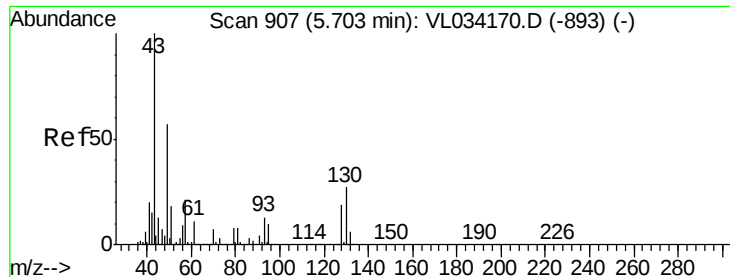
Instrument :
MSVOA_L
ClientSampleId :
IA1DL

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10/16/2019 12:59:36 AM

Quant Time: Oct 15 07:39:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.02 min

Lab File: VL034291.D

Acq: 14 Oct 2019 21:17

Instrument :

MSVOA_L

ClientSampled :

IA1DL

Tot Ion: 49 Resp: 1043445

Ion Ratio Lower Upper

49 100

128 36.9 17.6 52.9

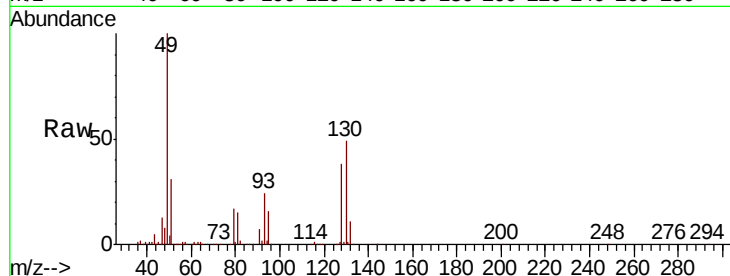
130 46.0 22.3 66.9

Manual Integrations

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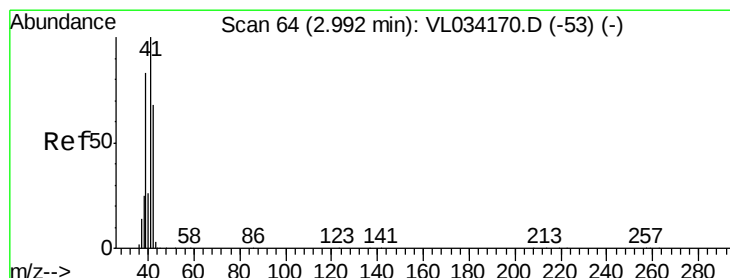
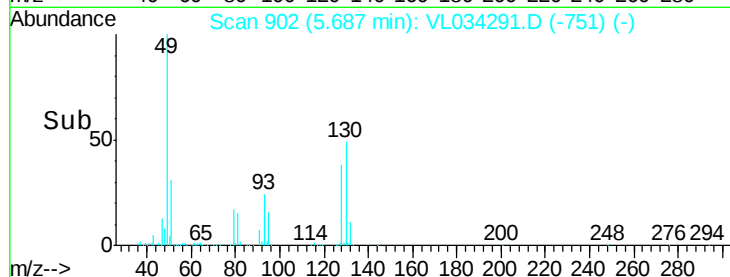
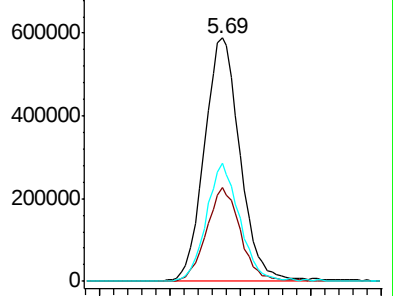
10/16/2019 12:59:36 AM



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



#9

Propene

Concen: 0.178 ppbv m

RT: 3.00 min Scan# 65

Delta R.T. 0.00 min

Lab File: VL034291.D

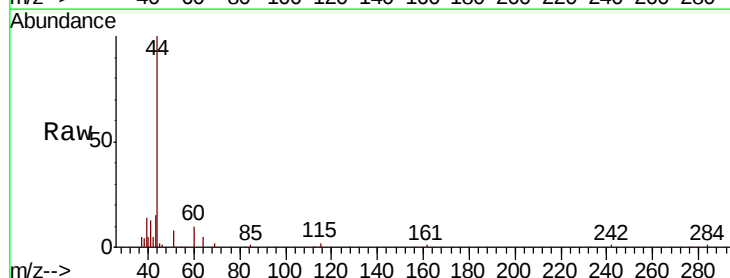
Acq: 14 Oct 2019 21:17

Tgt Ion: 41 Resp: 10724

Ion Ratio Lower Upper

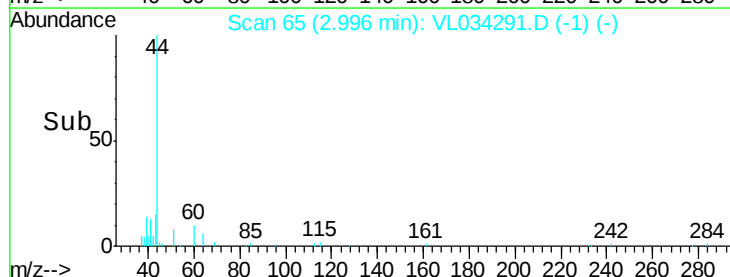
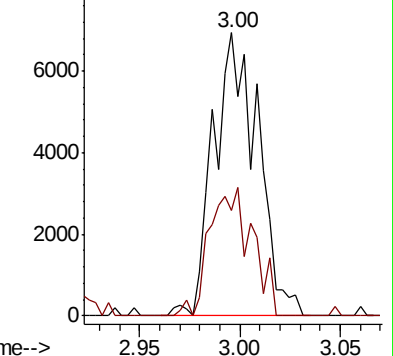
41 100

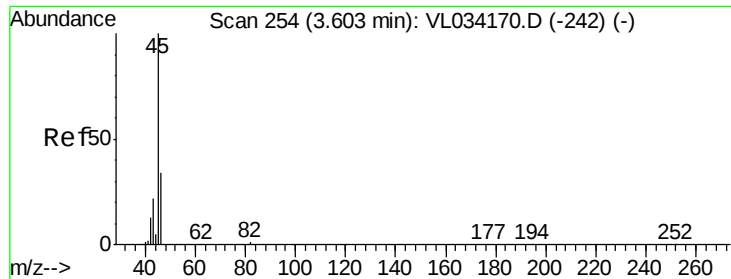
42 211.2 55.8 83.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 34.526 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.01 min

Lab File: VL034291.D

Acq: 14 Oct 2019 21:17

Instrument :

MSVOA_L

ClientSampled :

IA1DL

Tot Ion: 45 Resp: 504648

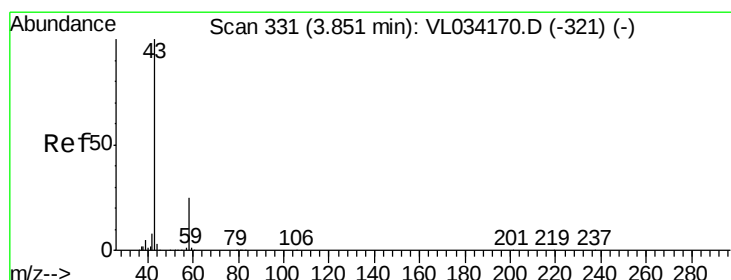
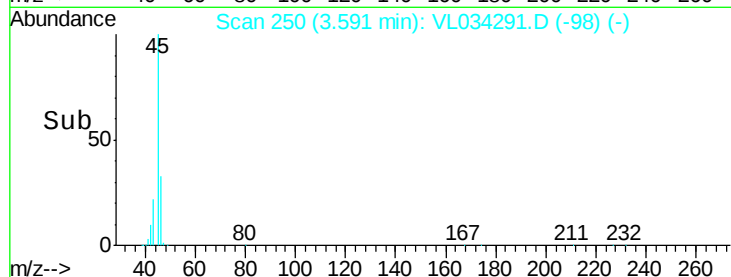
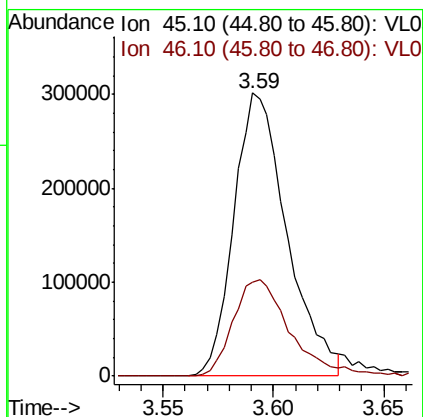
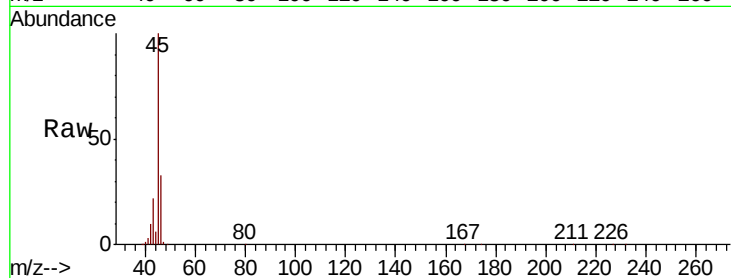
Ion Ratio Lower Upper

45 100

46 37.7 15.5 61.9

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#15

Acetone

Concen: 2.145 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL034291.D

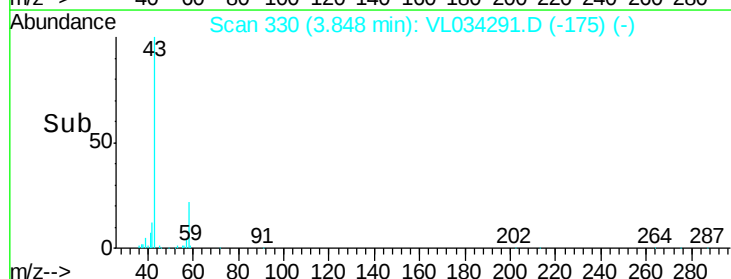
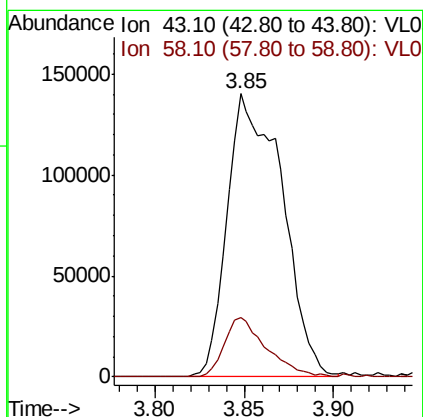
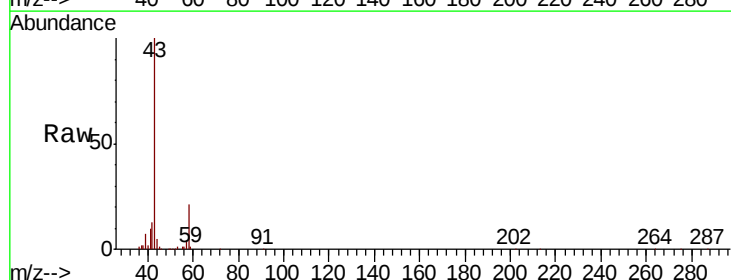
Acq: 14 Oct 2019 21:17

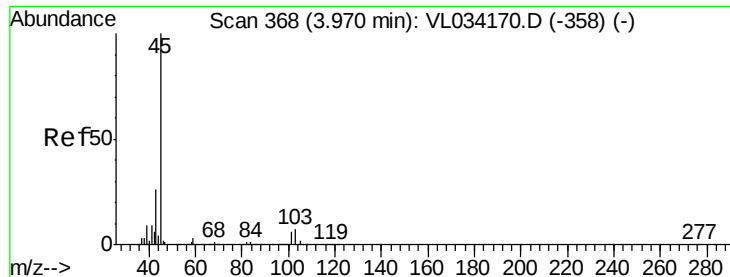
Tgt Ion: 43 Resp: 299938

Ion Ratio Lower Upper

43 100

58 16.5 20.5 30.7#





#19

Isopropyl Alcohol

Concen: 1.700 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL034291.D

Acq: 14 Oct 2019 21:17

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tot Ion: 45 Resp: 146219

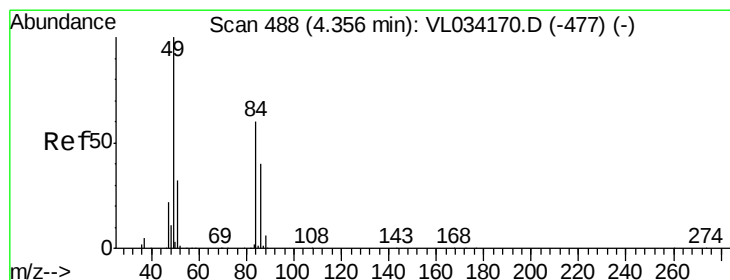
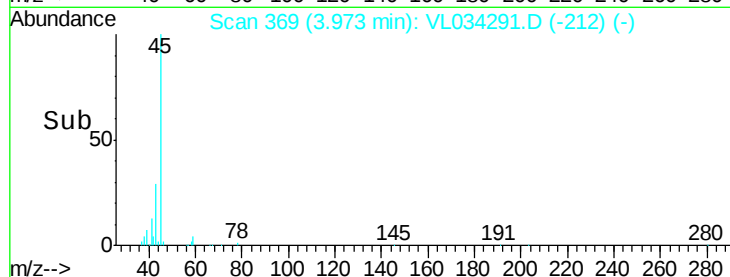
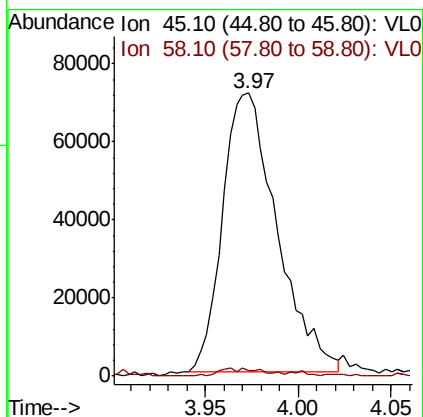
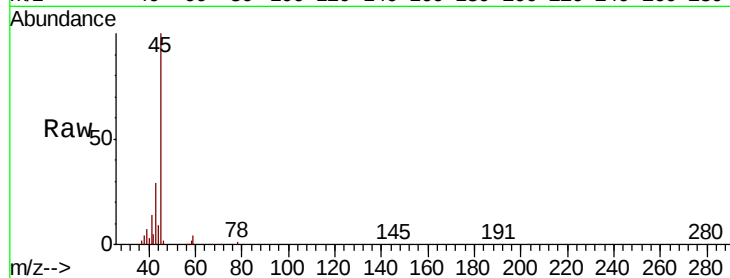
Ion Ratio Lower Upper

45 100

58 3.2 1.4 2.0#

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#20

Methylene Chloride

Concen: 0.344 ppbv

RT: 4.35 min Scan# 486

Delta R.T. -0.01 min

Lab File: VL034291.D

Acq: 14 Oct 2019 21:17

Tgt Ion: 84 Resp: 13853

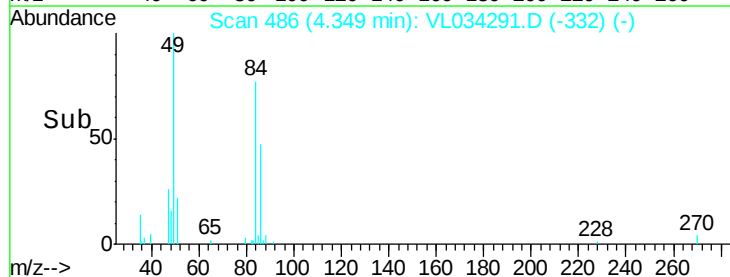
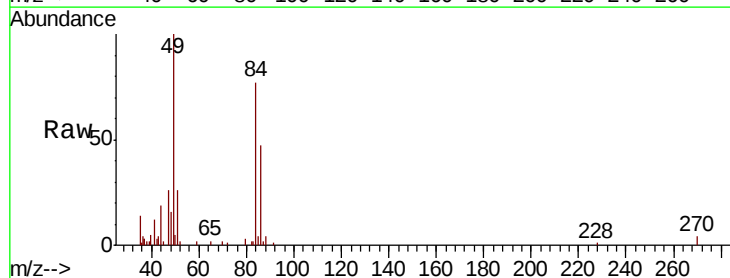
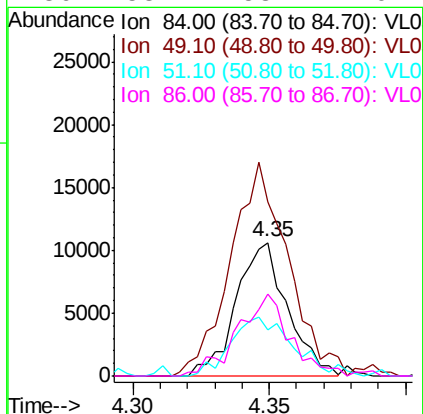
Ion Ratio Lower Upper

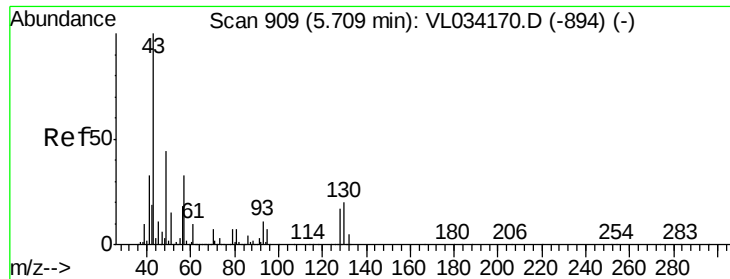
84 100

49 126.9 133.8 200.8#

51 34.1 43.6 65.4#

86 58.7 53.1 79.7





#25

Ethyl Acetate

Concen: 0.416 ppbv

RT: 5.70 min Scan# 907

Delta R.T. -0.01 min

Lab File: VL034291.D

Acq: 14 Oct 2019 21:17

Instrument :

MSVOA_L

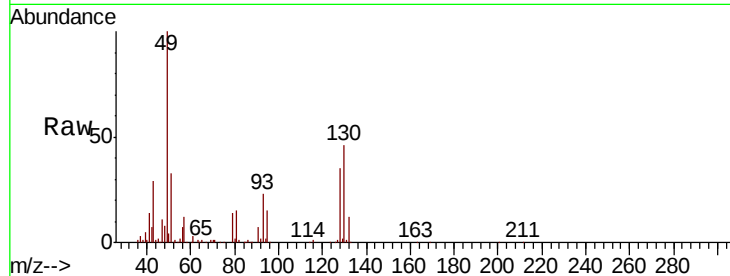
ClientSampled :

IA1DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		109957		
45	9.8	8.4	12.6		
61	10.2	7.2	10.8		
70	6.5	5.3	7.9		

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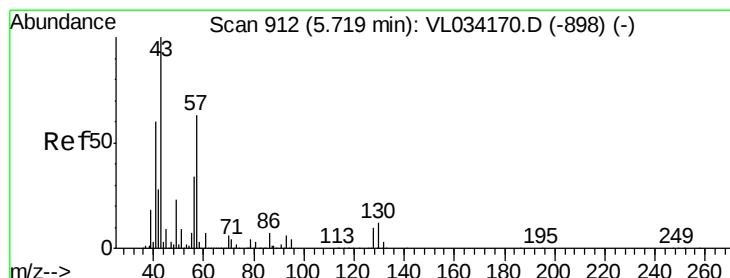
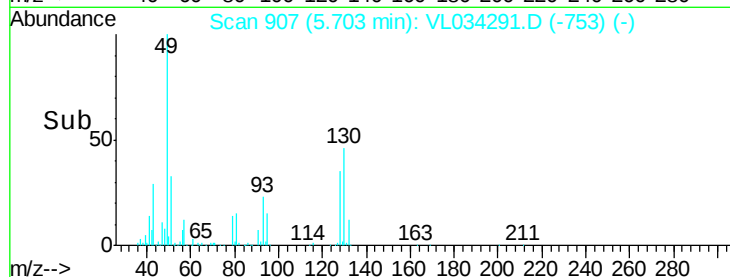
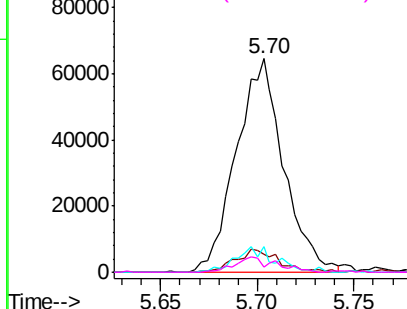
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.425 ppbv

RT: 5.71 min Scan# 908

Delta R.T. -0.01 min

Lab File: VL034291.D

Acq: 14 Oct 2019 21:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		46774		
41	109.7	78.5	117.7		
43	240.5	189.5	284.3		
56	61.4	43.2	64.8		

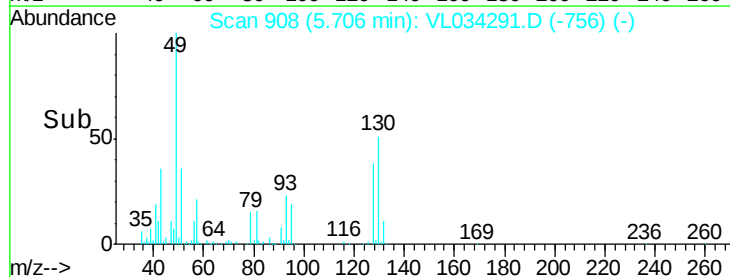
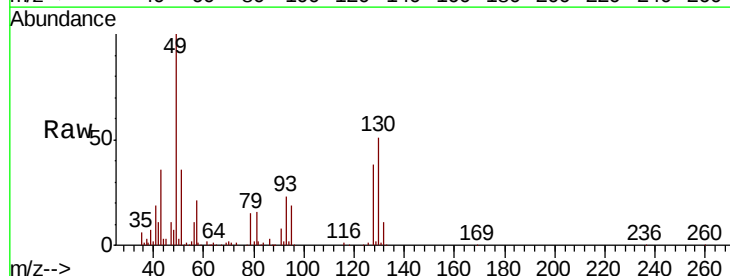
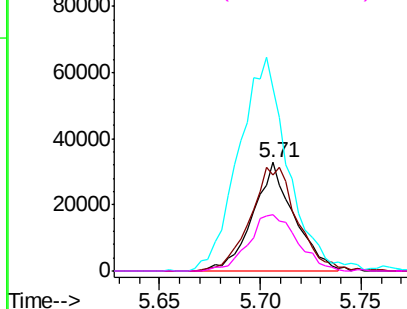
Abundance

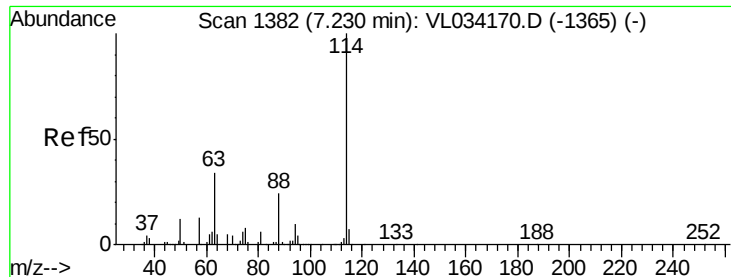
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





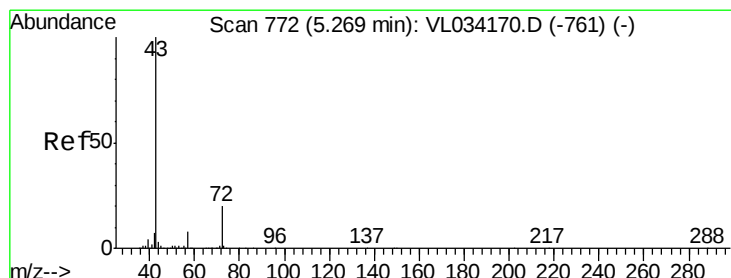
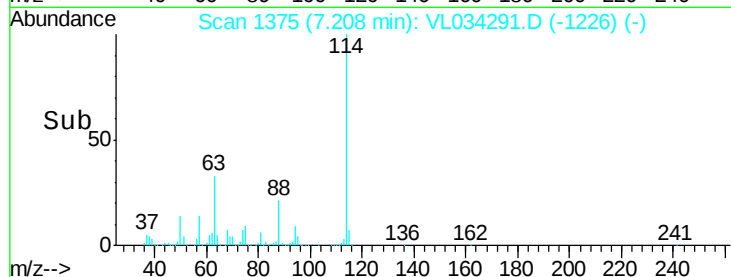
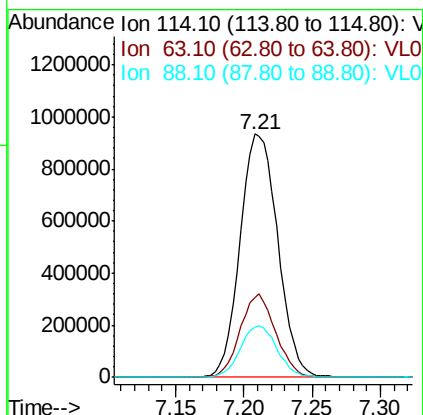
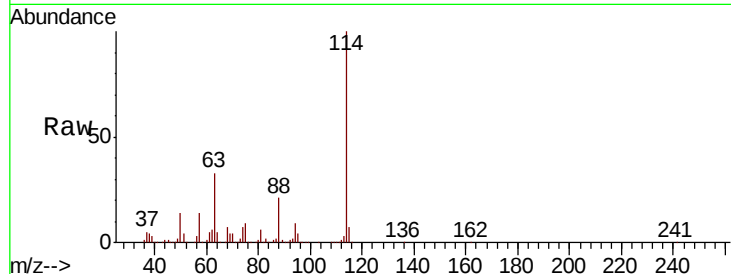
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VL034291.D
 Acq: 14 Oct 2019 21:17

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	32.3	27.8	41.6
88	20.7	17.1	25.7

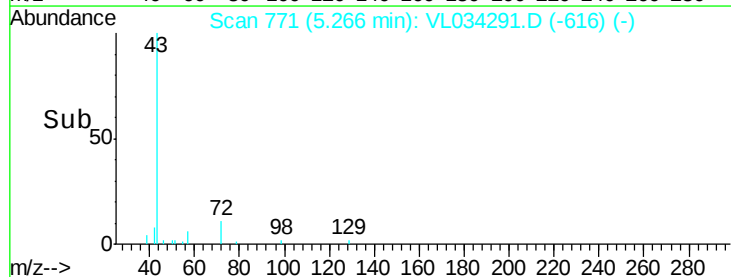
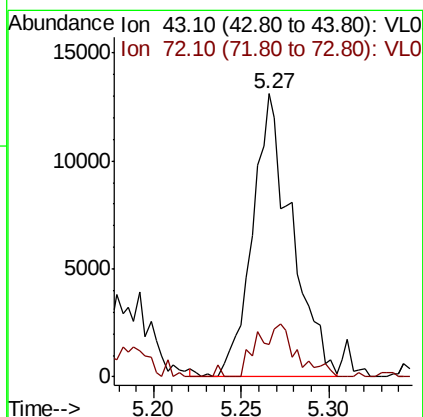
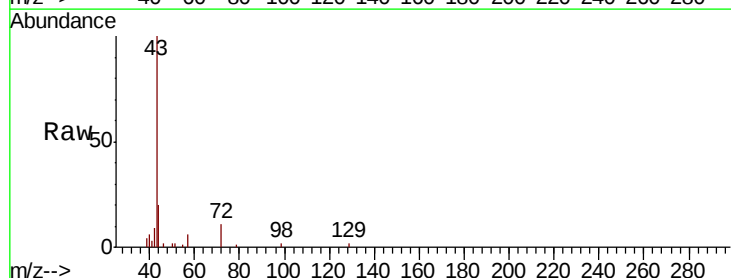
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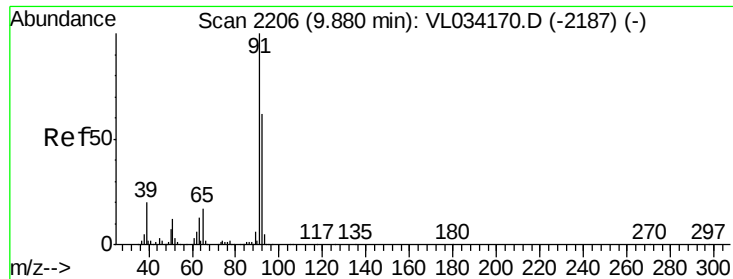
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#34
 2-Butanone
 Concen: 0.111 ppbv m
 RT: 5.27 min Scan# 771
 Delta R.T. -0.00 min
 Lab File: VL034291.D
 Acq: 14 Oct 2019 21:17

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.0	22.6#





#53

Toluene

Concen: 0.412 ppbv

RT: 9.86 min Scan# 2201

Delta R.T. -0.02 min

Lab File: VL034291.D

Acq: 14 Oct 2019 21:17

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tot Ion: 91 Resp: 89140

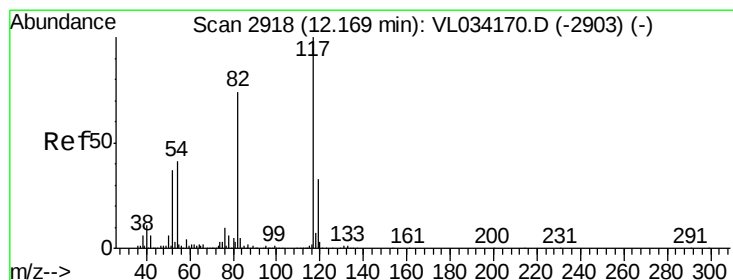
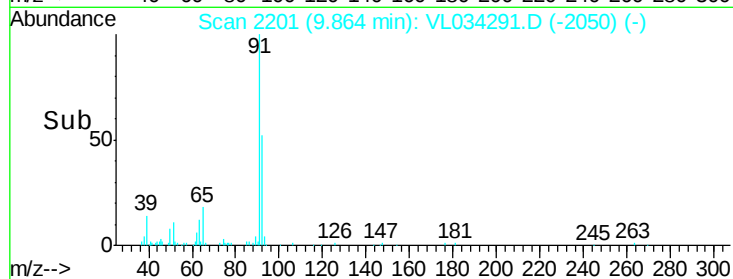
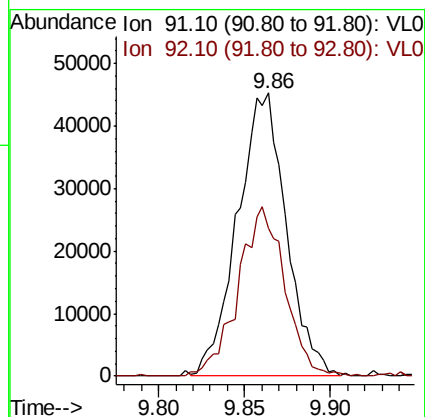
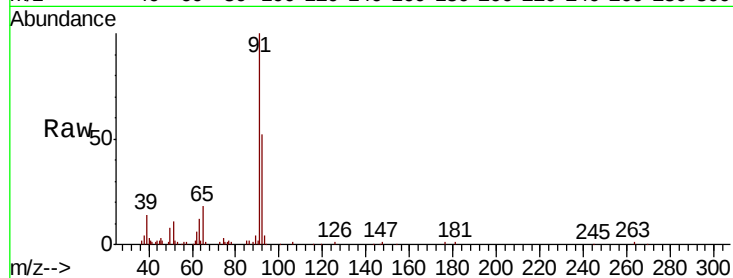
Ion Ratio Lower Upper

91 100

92 57.6 49.0 73.6

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.02 min

Lab File: VL034291.D

Acq: 14 Oct 2019 21:17

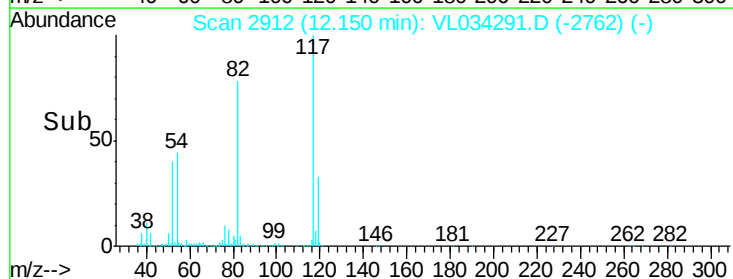
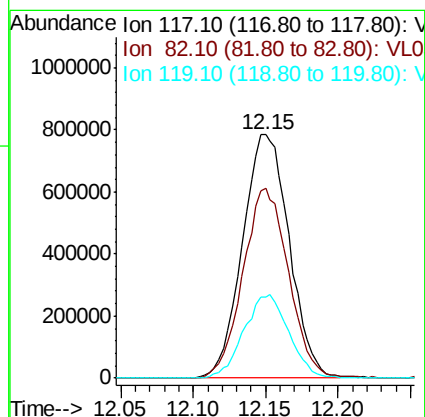
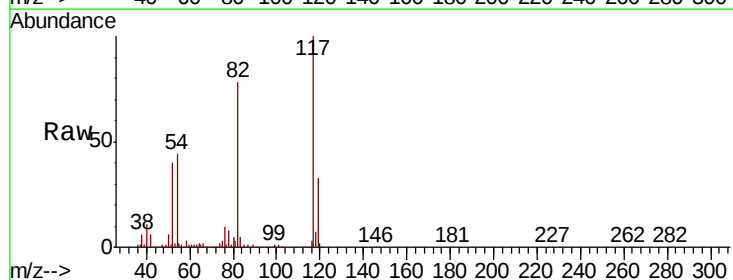
Tgt Ion: 117 Resp: 1757174

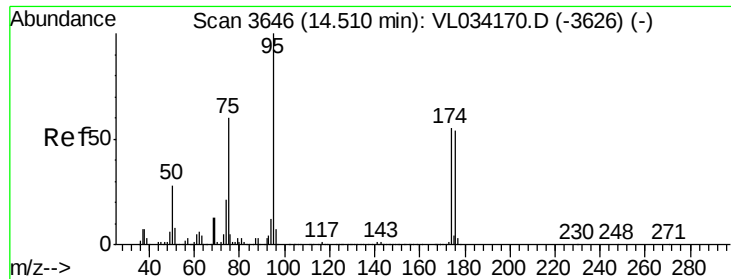
Ion Ratio Lower Upper

117 100

82 76.7 58.2 87.4

119 33.1 23.7 35.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.213 ppbv
 RT: 14.49 min Scan# 3639
 Delta R.T. -0.02 min
 Lab File: VL034291.D
 Acq: 14 Oct 2019 21:17

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	56.3	45.1	67.7
175	4.0	3.3	4.9

Manual Integrations
 APPROVED

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 10/16/2019 12:59:36 AM

