

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
 Data File : VL035454.D
 Acq On : 18 Aug 2020 23:04
 Operator : SY/AP
 Sample : L3725-04DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-04DL

Manual Integrations
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 8/20/2020 11:07:28 AM

Quant Time: Aug 19 11:19:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 18 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1148404	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5334316	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5288762	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3829289	10.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	65005	1.123	ppbv	95
13) Ethanol	3.61	45	104854	4.945	ppbv	96
15) Acetone	3.86	43	697688	5.278	ppbv #	79
34) 2-Butanone	5.26	43	276552	1.552	ppbv #	69
41) Tetrahydrofuran	6.08	42	70200	0.714	ppbv #	47
50) 4-Methyl-2-Pentanone	8.78	43	133807	0.523	ppbv #	78
53) Toluene	9.83	91	137044	0.272	ppbv	95
59) m/p-Xylene	12.99	91	100280m	0.186	ppbv	
74) 1,2,4-Trimethylbenzene	16.79	105	99089	0.142	ppbv #	71

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

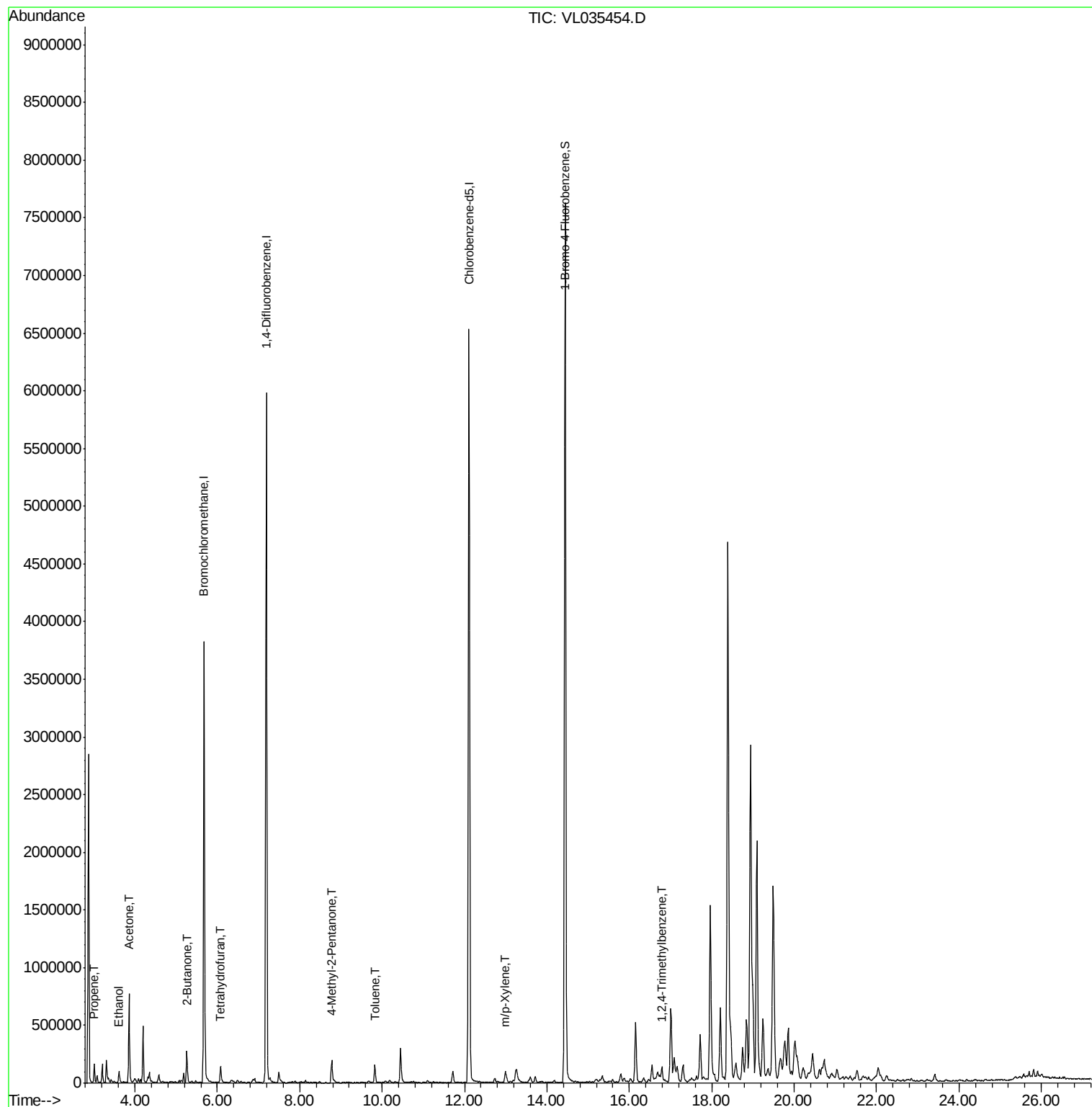
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081820\
Data File : VL035454.D
Acq On : 18 Aug 2020 23:04
Operator : SY/AP
Sample : L3725-04DL 40X
Misc : 400ml/MSVOA L
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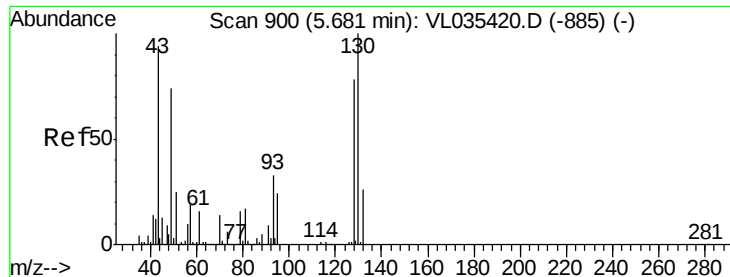
Instrument :
MSVOA_L
ClientSampleId :
SS-04DL

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Quant Time: Aug 19 11:19:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug
QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL035454.D

Acq: 18 Aug 2020 23:04

Instrument :

MSVOA_L

ClientSampleId :

SS-04DL

Tot Ion: 49 Resp: 1148404

Ion Ratio Lower Upper

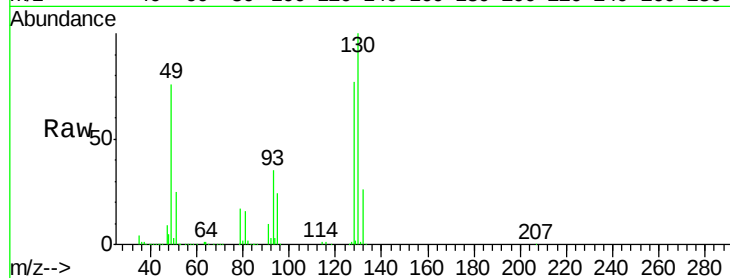
49 100

128 104.8 20.9 62.7#

130 135.3 26.7 80.1#

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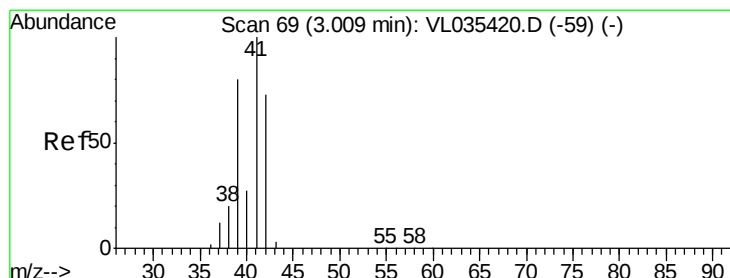
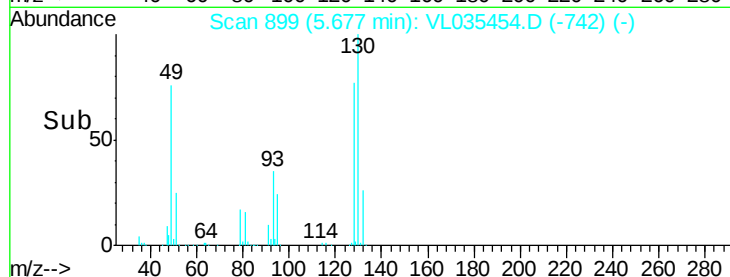
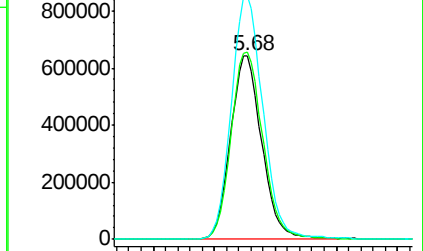
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 1.123 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035454.D

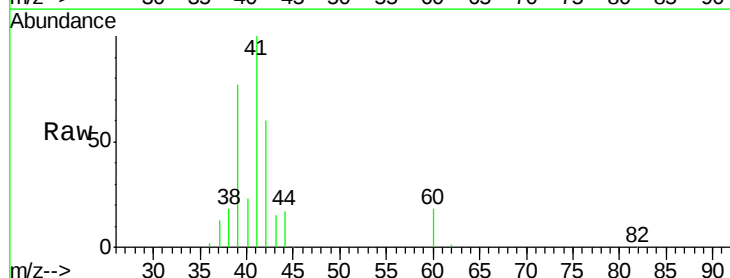
Acq: 18 Aug 2020 23:04

Tgt Ion: 41 Resp: 65005

Ion Ratio Lower Upper

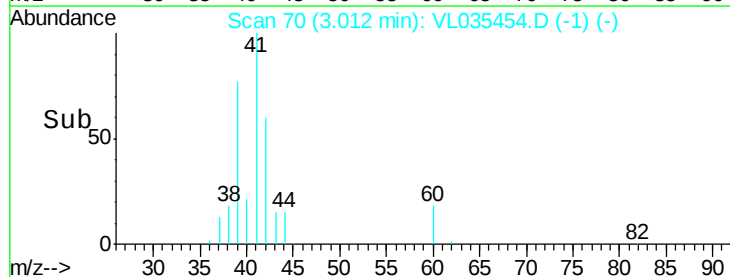
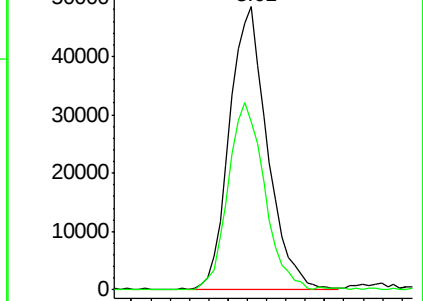
41 100

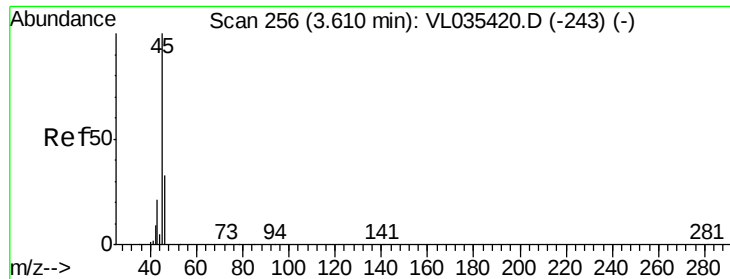
42 65.2 55.5 83.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





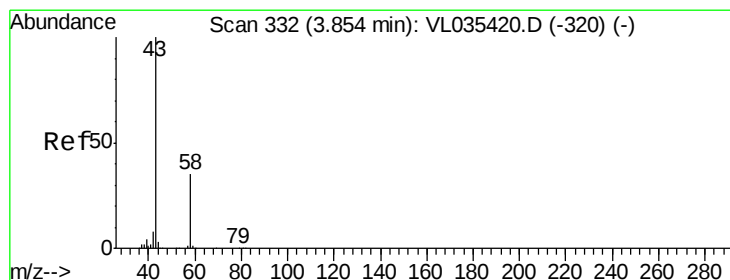
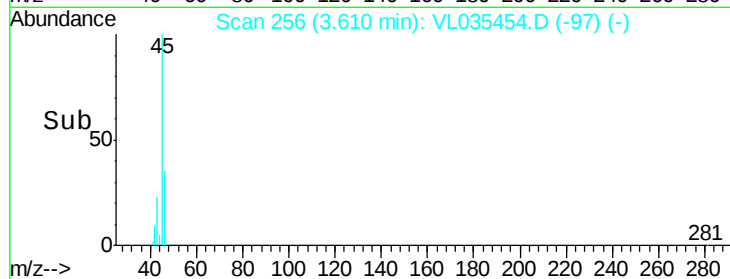
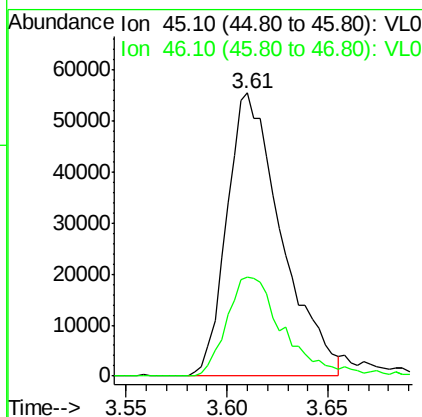
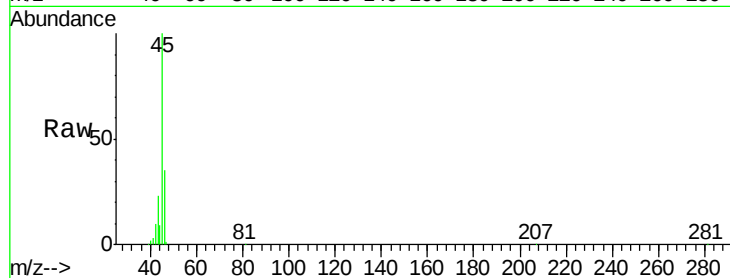
#13
Ethanol
Concen: 4.945 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL035454.D
Acq: 18 Aug 2020 23:04

Instrument :
MSVOA_L
ClientSampleId :
SS-04DL

Tot Ion	45	Resp	104854
Ion Ratio	100	Lower	Upper
45	100		
46	37.6	14.2	56.6

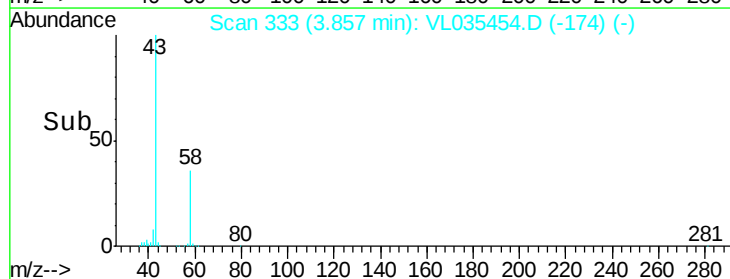
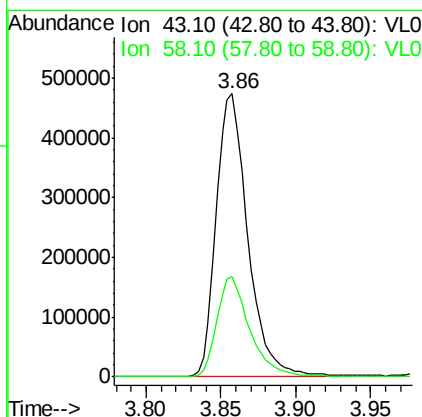
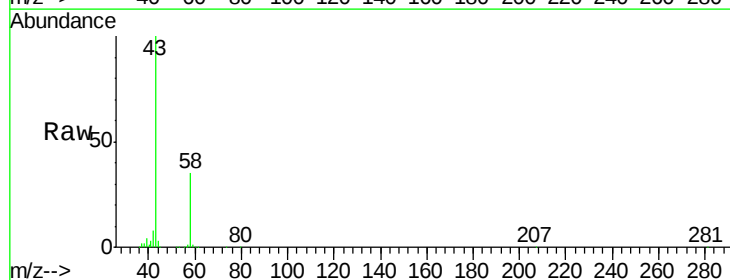
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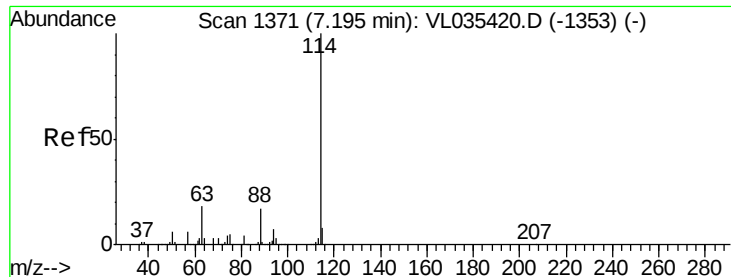
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#15
Acetone
Concen: 5.278 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL035454.D
Acq: 18 Aug 2020 23:04

Tgt Ion	43	Resp	697688
Ion Ratio	100	Lower	Upper
43	100		
58	36.9	21.0	31.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VL035454.D

Acq: 18 Aug 2020 23:04

Instrument :

MSVOA_L

ClientSampleId :

SS-04DL

Tot Ion:114 Resp: 5334316

Ion Ratio Lower Upper

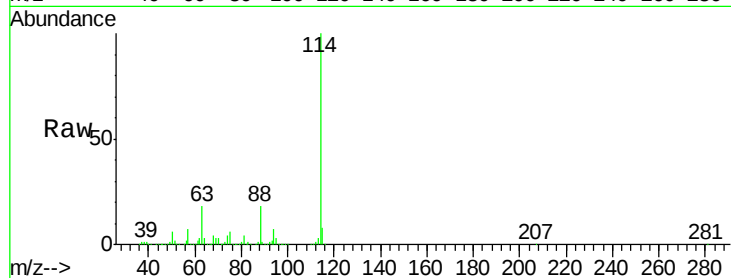
114 100

63 17.5 23.1 34.7#

88 16.6 15.9 23.9

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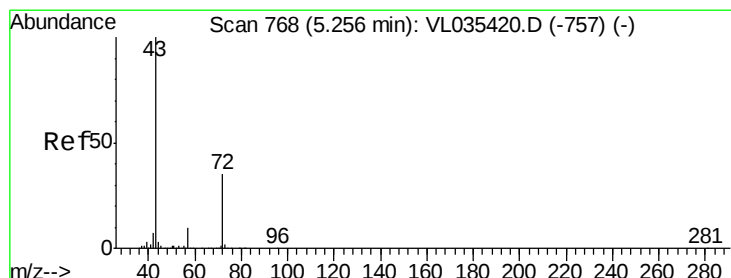
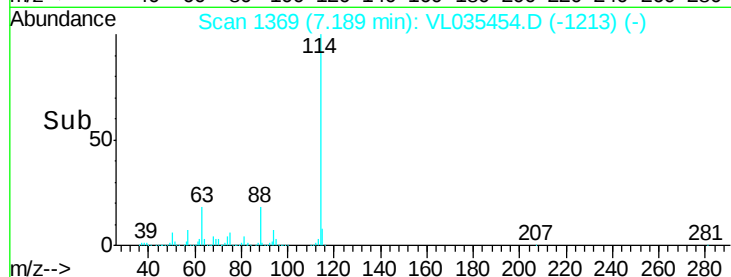
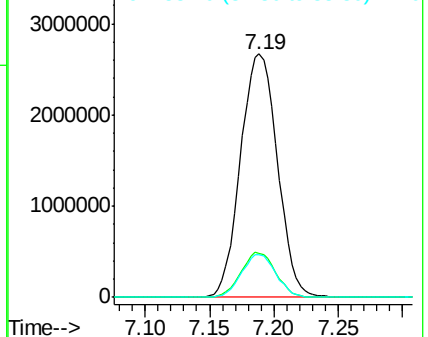
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 1.552 ppbv

RT: 5.26 min Scan# 768

Delta R.T. 0.01 min

Lab File: VL035454.D

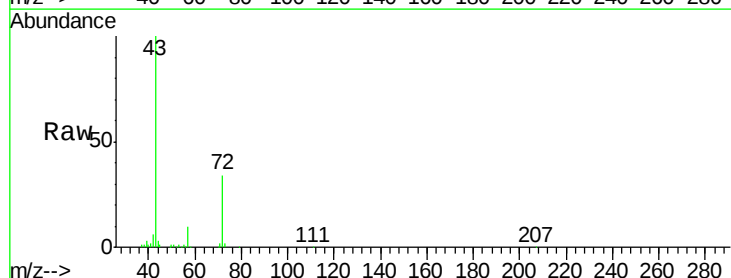
Acq: 18 Aug 2020 23:04

Tgt Ion: 43 Resp: 276552

Ion Ratio Lower Upper

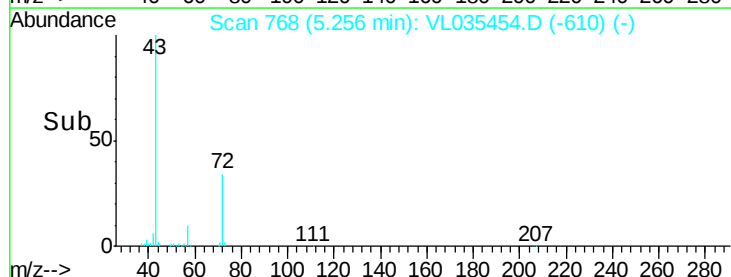
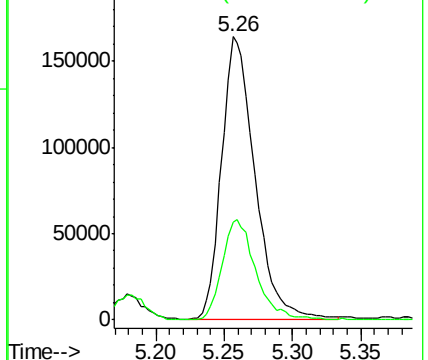
43 100

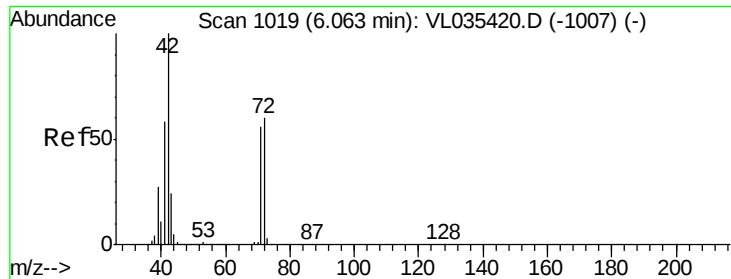
72 36.6 17.6 26.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





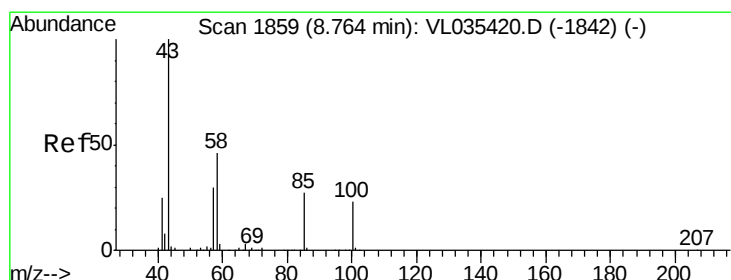
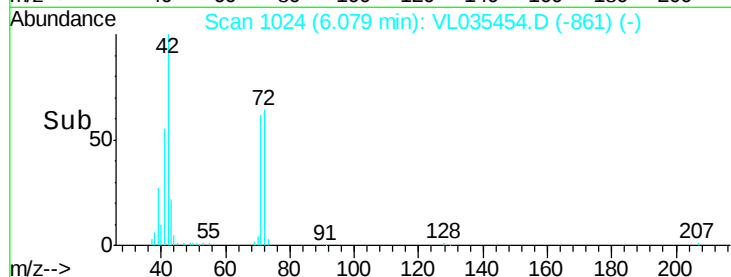
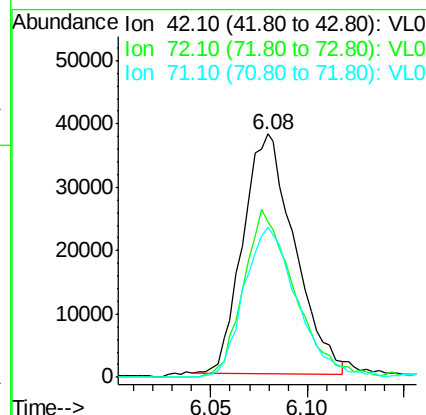
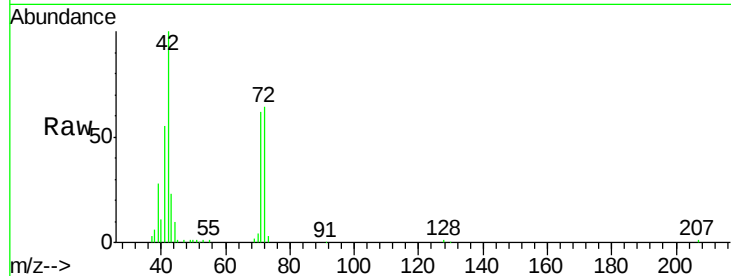
#41
Tetrahydrofuran
Concen: 0.714 ppbv
RT: 6.08 min Scan# 1024
Delta R.T. 0.02 min
Lab File: VL035454.D
Acq: 18 Aug 2020 23:04

Instrument :
MSVOA_L
ClientSampleID :
SS-04DL

Tot Ion	Ratio	Lower	Upper
42	100		
72	70.6	29.4	44.2#
71	65.1	28.9	43.3#

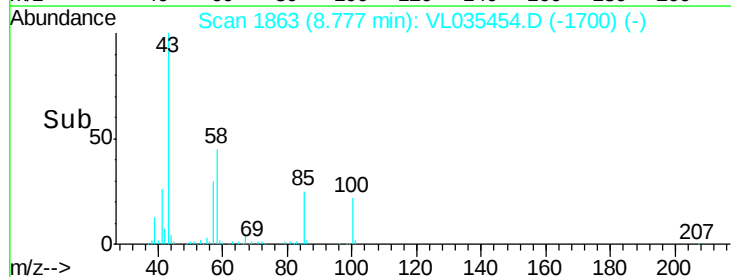
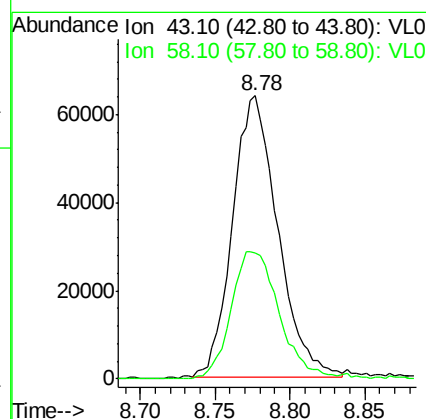
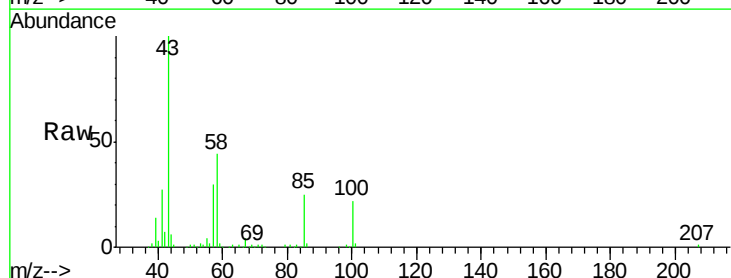
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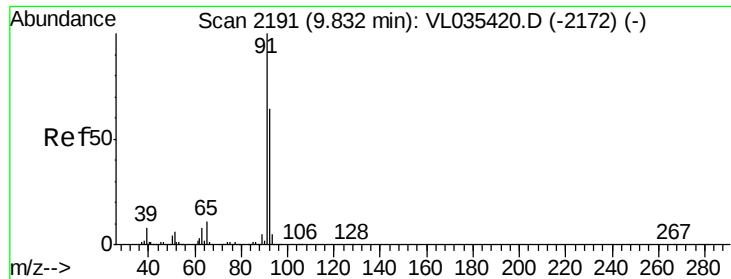
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#50
4-Methyl-2-Pentanone
Concen: 0.523 ppbv
RT: 8.78 min Scan# 1863
Delta R.T. 0.02 min
Lab File: VL035454.D
Acq: 18 Aug 2020 23:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.0	28.7	43.1#





#53

Toluene

Concen: 0.272 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VL035454.D

Acq: 18 Aug 2020 23:04

Instrument :

MSVOA_L

ClientSampled :

SS-04DL

Tot Ion: 91 Resp: 137044

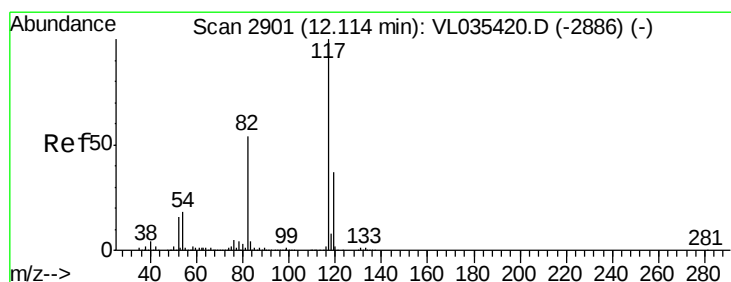
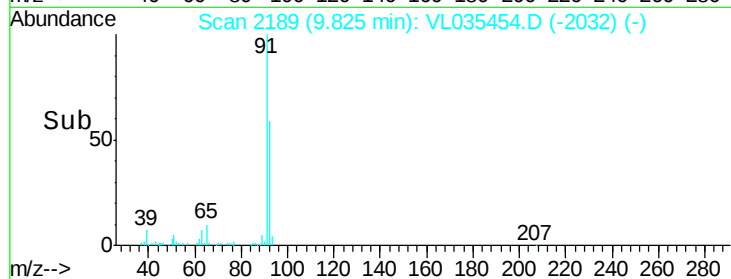
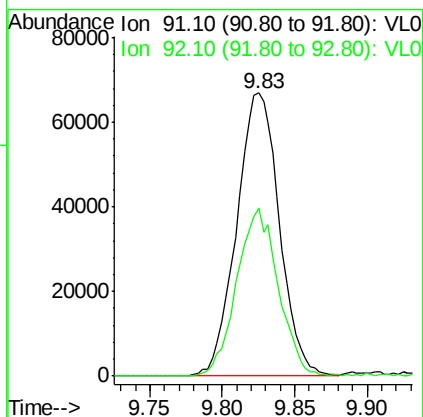
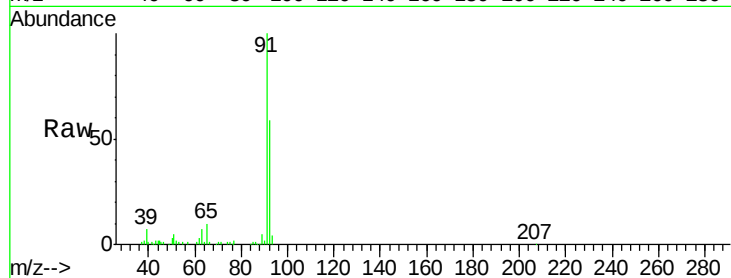
Ion Ratio Lower Upper

91 100

92 57.8 49.1 73.7

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VL035454.D

Acq: 18 Aug 2020 23:04

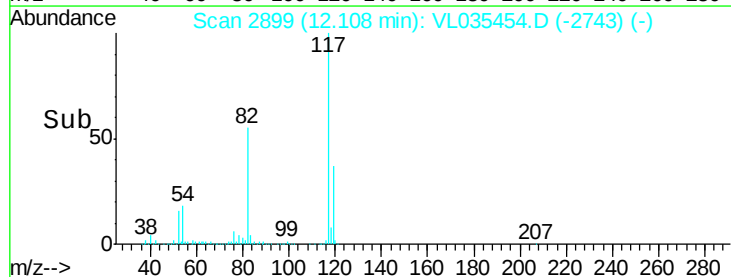
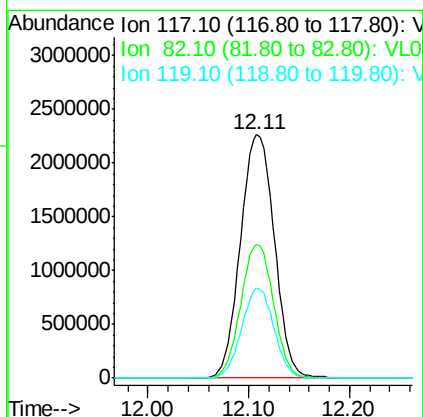
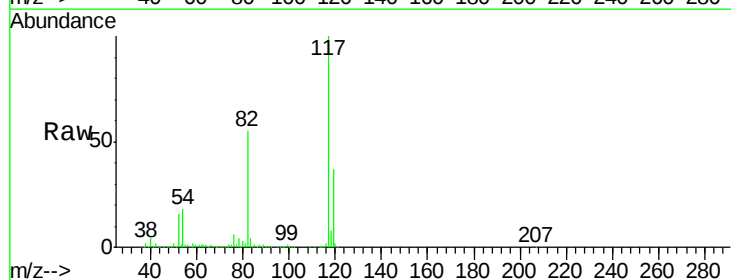
Tgt Ion: 117 Resp: 5288762

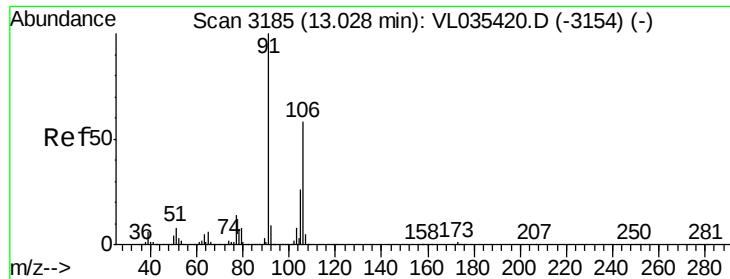
Ion Ratio Lower Upper

117 100

82 53.3 57.4 86.0#

119 35.2 28.4 42.6





#59

m/p-Xylene

Concen: 0.186 ppbv m

RT: 12.99 min Scan# 3174

Delta R.T. -0.03 min

Lab File: VL035454.D

Acq: 18 Aug 2020 23:04

Instrument :

MSVOA_L

ClientSampleId :

SS-04DL

Tot Ion: 91 Resp: 100280

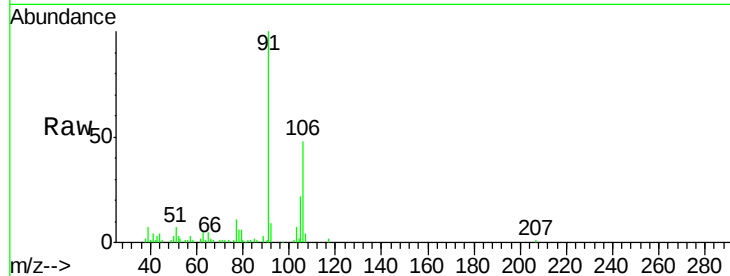
Ion Ratio Lower Upper

91 100

106 0.0 34.0 51.0#

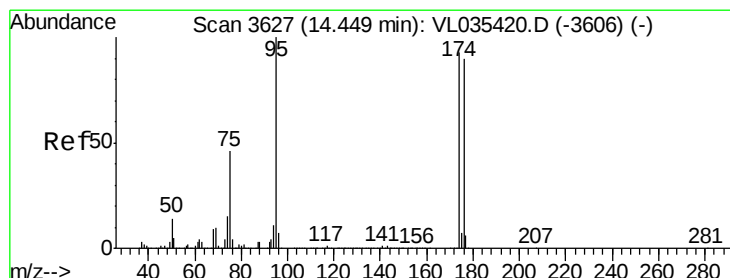
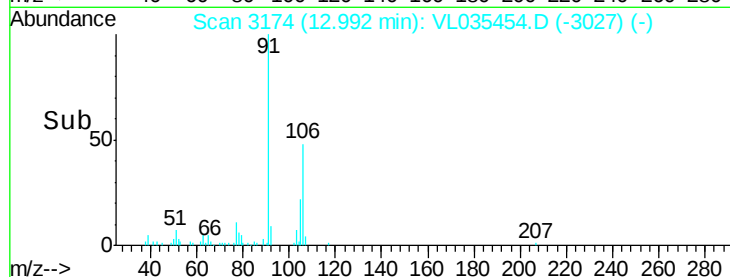
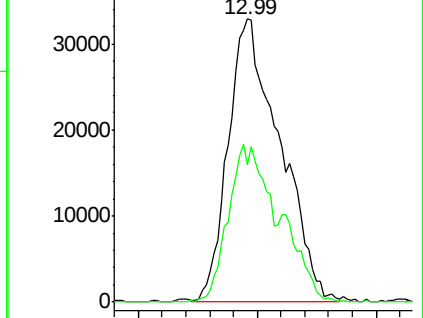
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.342 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. 0.00 min

Lab File: VL035454.D

Acq: 18 Aug 2020 23:04

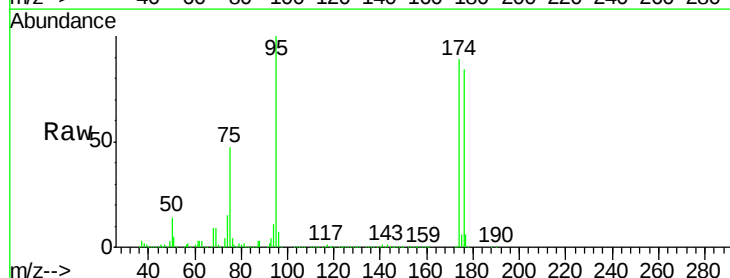
Tgt Ion: 95 Resp: 3829289

Ion Ratio Lower Upper

95 100

174 89.0 44.0 66.0#

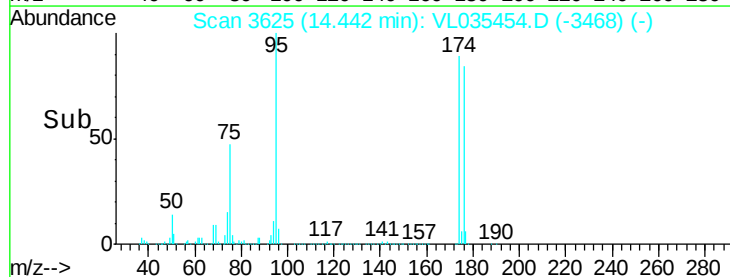
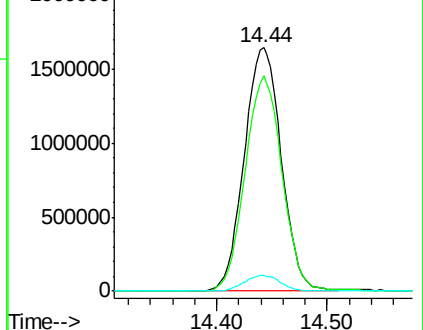
175 6.4 3.2 4.8#

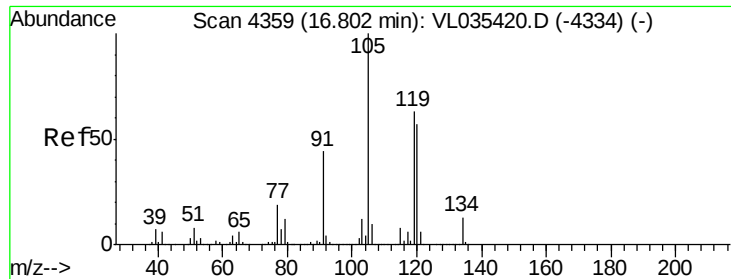


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

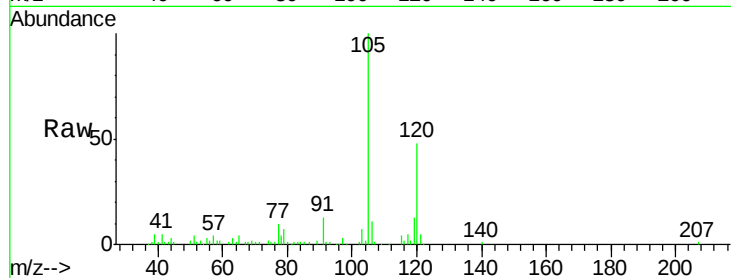
Ion 175.00 (174.70 to 175.70): V





#74
 1,2,4-Trimethylbenzene
 Concen: 0.142 ppbv
 RT: 16.79 min Scan# 4355
 Delta R.T. -0.00 min
 Lab File: VL035454.D
 Acq: 18 Aug 2020 23:04

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-04DL



Tot Ion:	105	Resp:	99089
Ion Ratio		Lower	Upper
105	100		
120	47.9	37.8	56.8
91	12.1	40.0	60.0#
77	9.8	18.8	28.2#

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