

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\
 Data File : VL035847.D
 Acq On : 5 Nov 2020 00:40
 Operator : SY/AP
 Sample : L4220-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Manual Integrations
 APPROVED

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 11/5/2020 2:17:51 PM

Quant Time: Nov 05 05:17:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	852346	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	3623201	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	3323489	10.00	ppbv	-0.05

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.38	95	2294711	9.72	ppbv	-0.04	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	13242	0.354	ppbv	85
13) Ethanol	3.58	45	72530m	8.949	ppbv	
15) Acetone	3.83	43	64587m	0.709	ppbv	
19) Isopropyl Alcohol	3.96	45	25002m	0.446	ppbv	
20) Methylene Chloride	4.32	84	24355	0.380	ppbv	87
26) Hexane	5.66	57	17709	0.179	ppbv #	51
53) Toluene	9.77	91	35318	0.109	ppbv	99

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

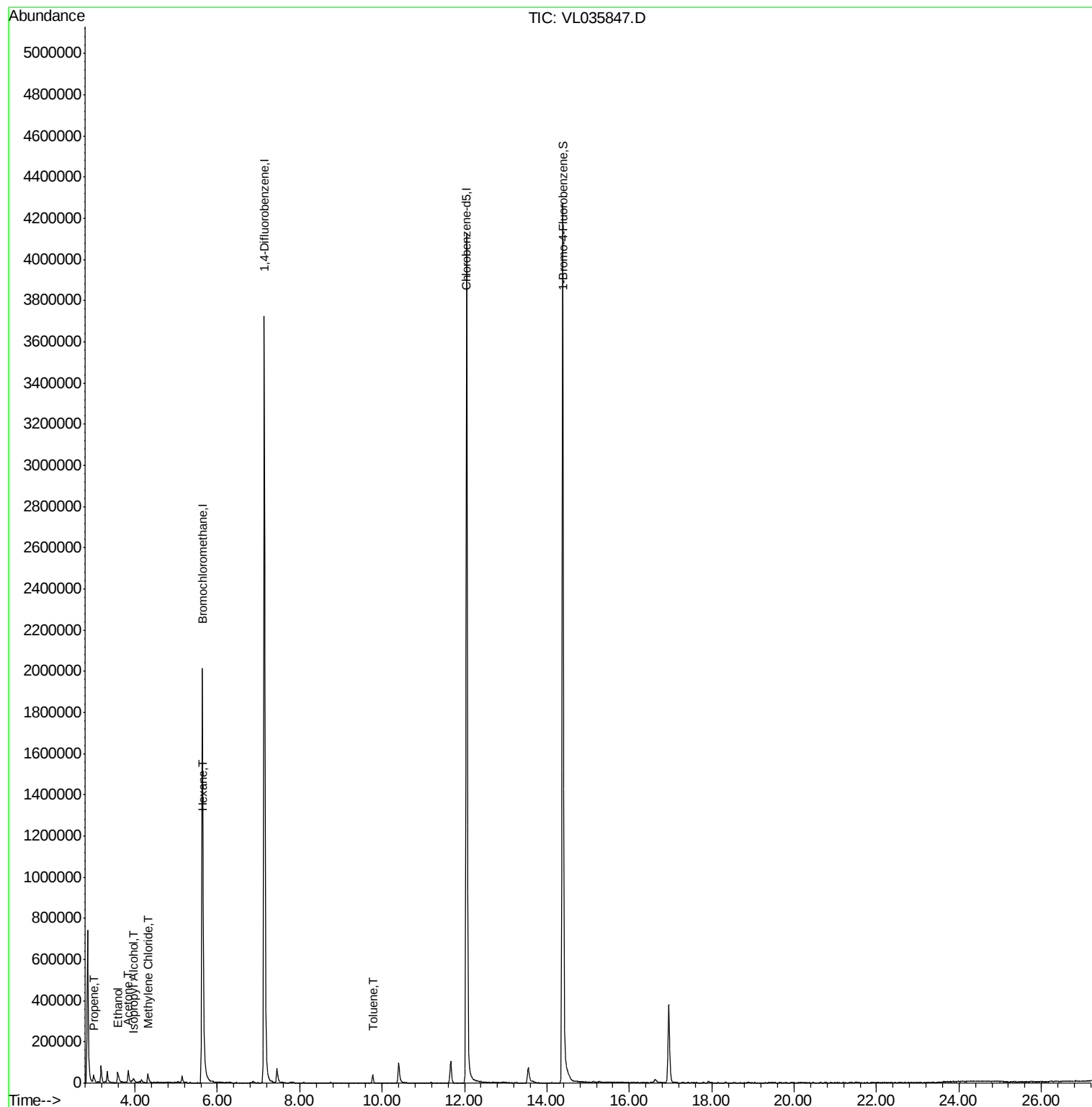
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL110420\
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Quant Time: Nov 05 05:17:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.03 min

Lab File: VL035847.D

Acq: 5 Nov 2020 00:40

Instrument :

MSVOA_L

ClientSampled :

IA2DL

Tot Ion: 49 Resp: 852346

Ion Ratio Lower Upper

49 100

128 89.4 41.5 124.6

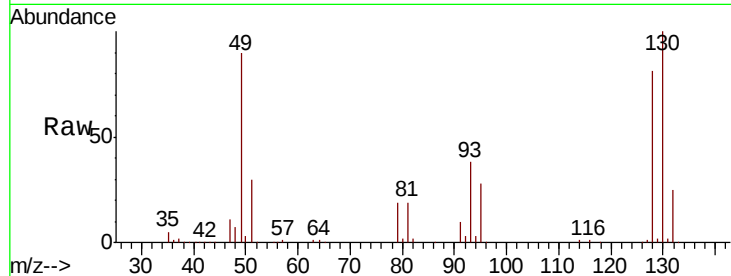
130 113.7 53.7 161.1

Manual Integrations

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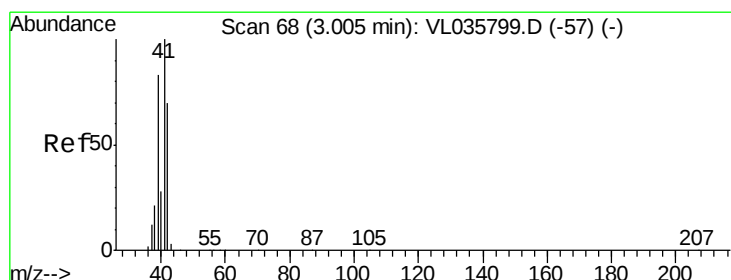
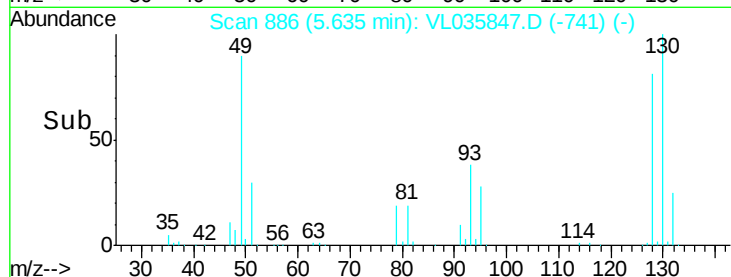
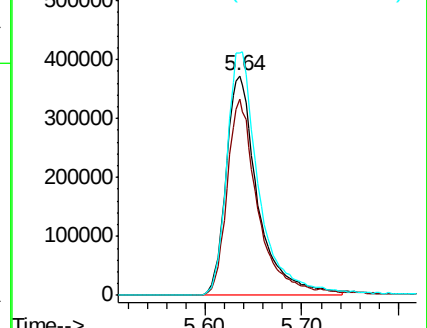
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.354 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035847.D

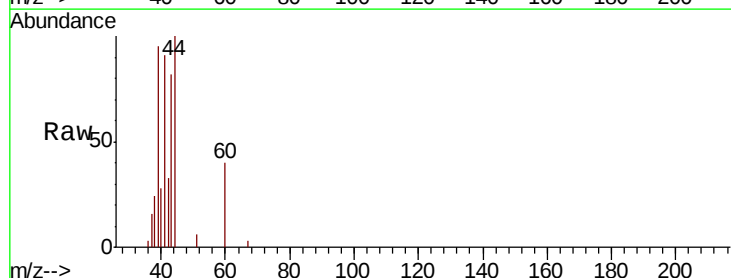
Acq: 5 Nov 2020 00:40

Tgt Ion: 41 Resp: 13242

Ion Ratio Lower Upper

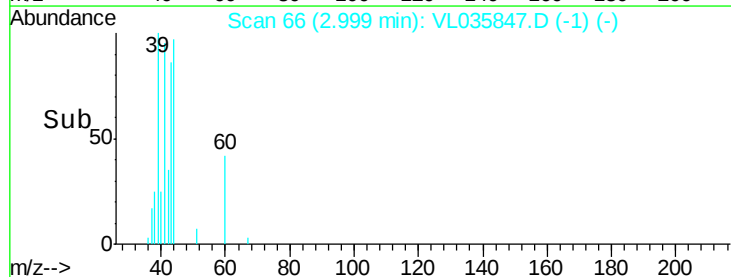
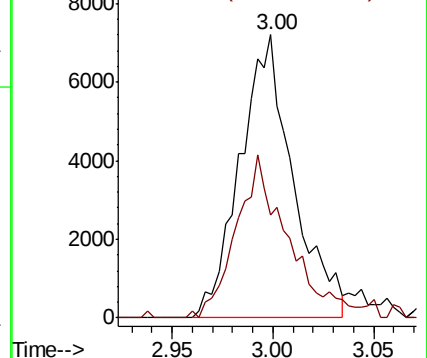
41 100

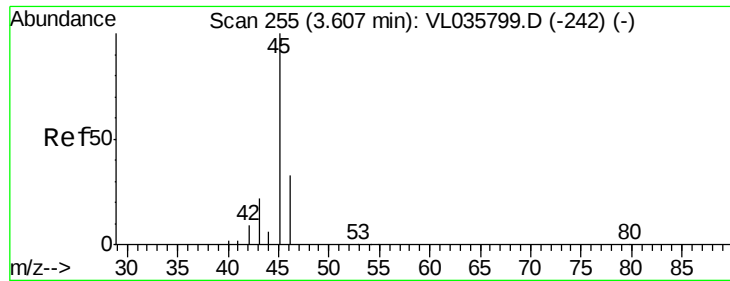
42 58.1 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





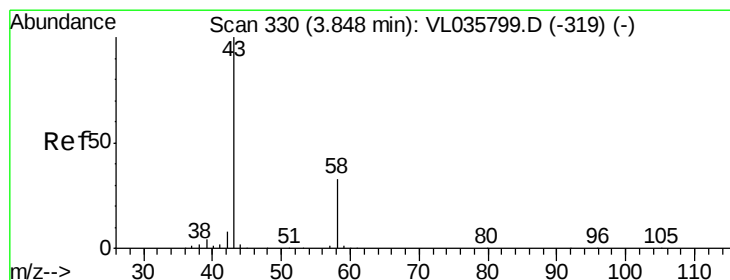
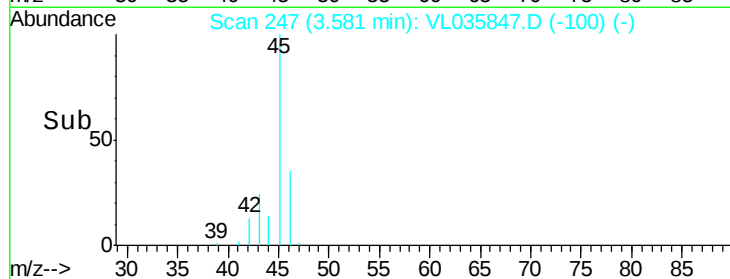
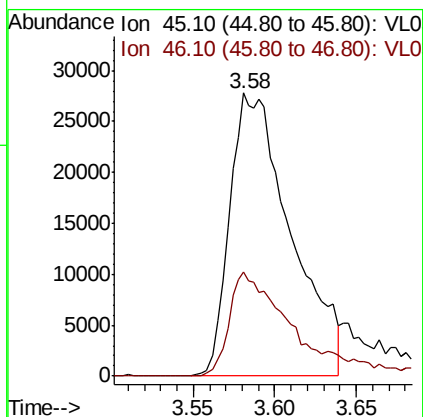
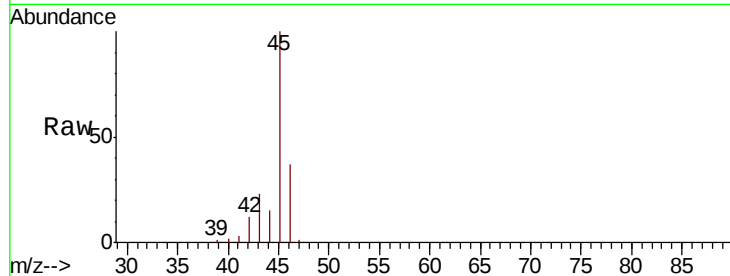
#13
Ethanol
Concen: 8.949 ppbv m
RT: 3.58 min Scan# 247
Delta R.T. -0.03 min
Lab File: VL035847.D
Acq: 5 Nov 2020 00:40

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.1	64.5#

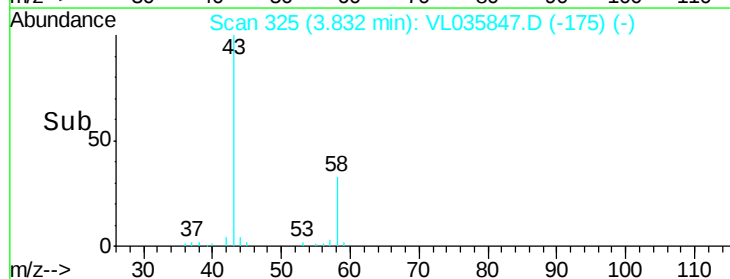
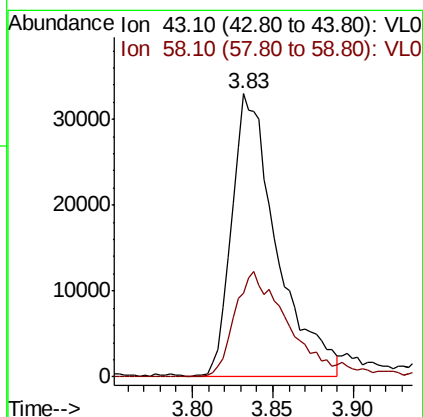
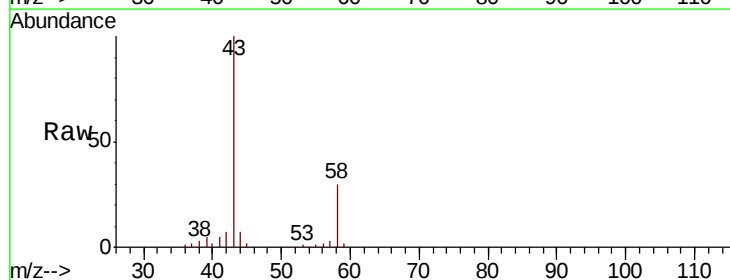
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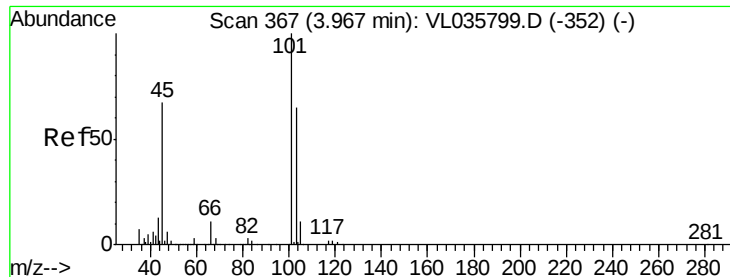
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#15
Acetone
Concen: 0.709 ppbv m
RT: 3.83 min Scan# 325
Delta R.T. -0.02 min
Lab File: VL035847.D
Acq: 5 Nov 2020 00:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	46.2	27.5	41.3#





#19

Isopropyl Alcohol

Concen: 0.446 ppbv m

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL035847.D

Acq: 5 Nov 2020 00:40

Instrument :

MSVOA_L

ClientSampleId :

IA2DL

Tot Ion: 45 Resp: 25002

Ion Ratio Lower Upper

45 100

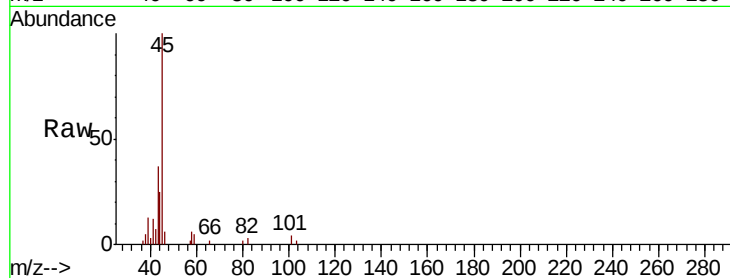
58 8.2 2.6 3.8#

Manual Integrations

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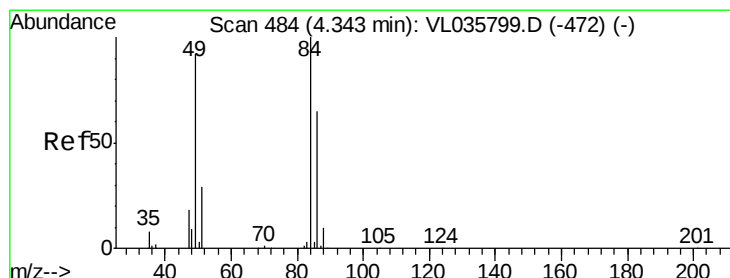
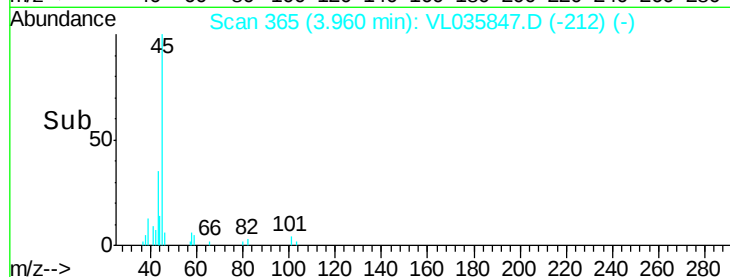
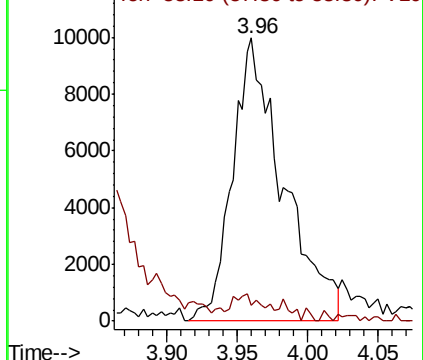
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.380 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL035847.D

Acq: 5 Nov 2020 00:40

Tgt Ion: 84 Resp: 24355

Ion Ratio Lower Upper

84 100

49 76.0 73.8 110.8

51 32.0 23.0 34.4

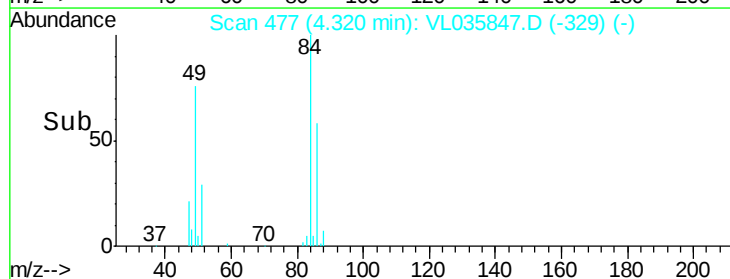
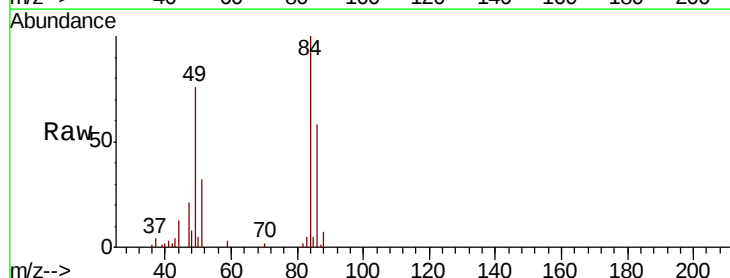
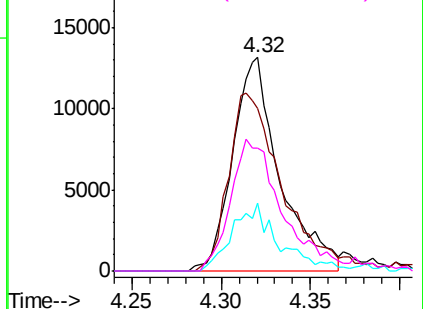
86 57.6 52.1 78.1

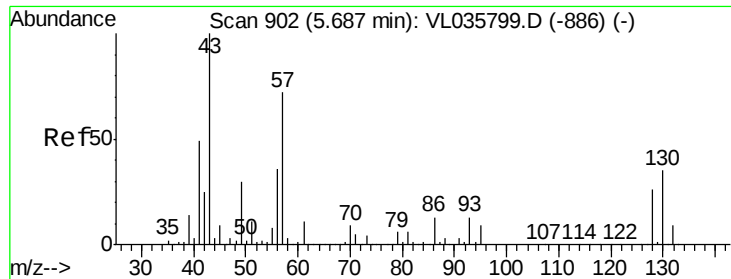
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





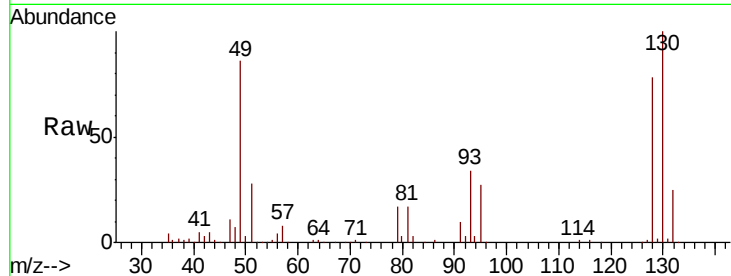
#26
Hexane
Concen: 0.179 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.03 min
Lab File: VL035847.D
Acq: 5 Nov 2020 00:40

Instrument :
MSVOA_L
ClientSampled :
IA2DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	80.1	58.9	88.3
43	75.4	150.2	225.2#
56	58.1	42.4	63.6

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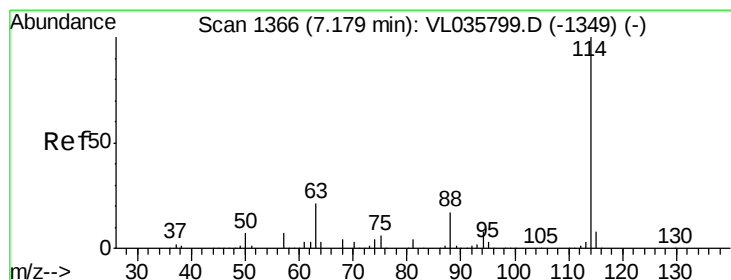
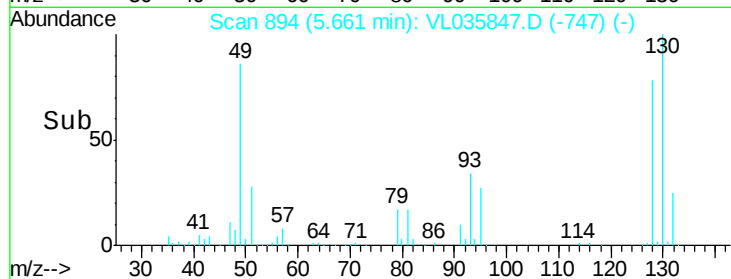
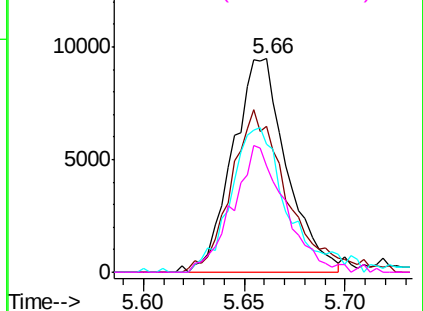
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

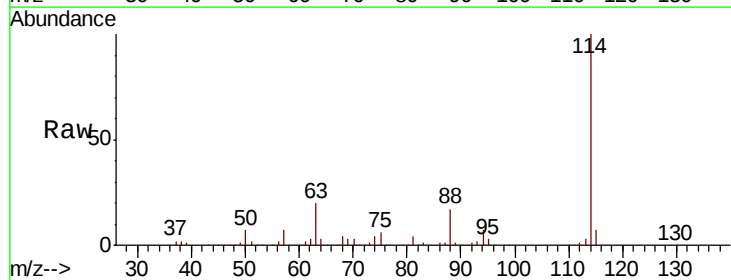
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.04 min
Lab File: VL035847.D
Acq: 5 Nov 2020 00:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.8	16.1	24.1
88	16.4	13.7	20.5

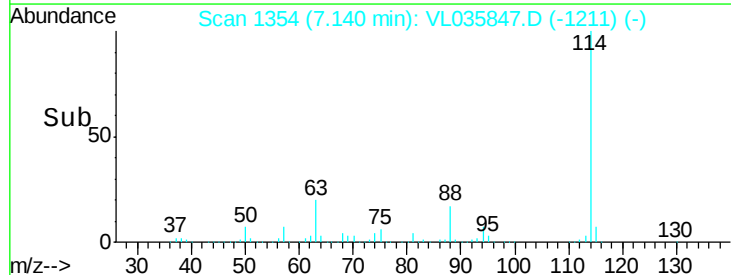
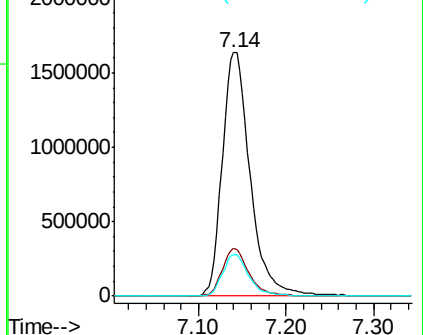


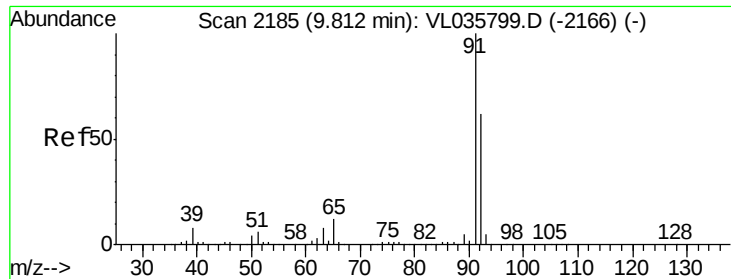
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#53

Toluene

Concen: 0.109 ppbv

RT: 9.77 min Scan# 2172

Delta R.T. -0.04 min

Lab File: VL035847.D

Acq: 5 Nov 2020 00:40

Instrument :

MSVOA_L

ClientSampled :

IA2DL

Tot Ion: 91 Resp: 35318

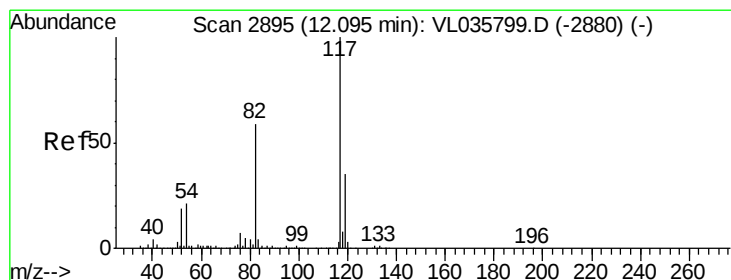
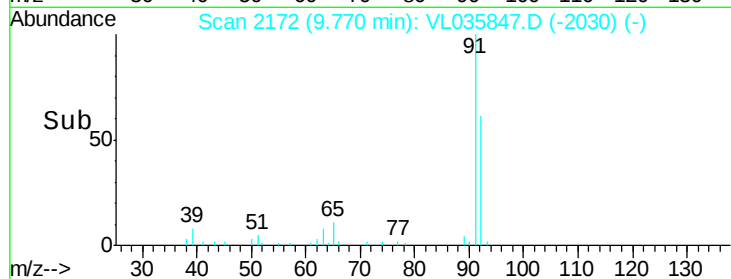
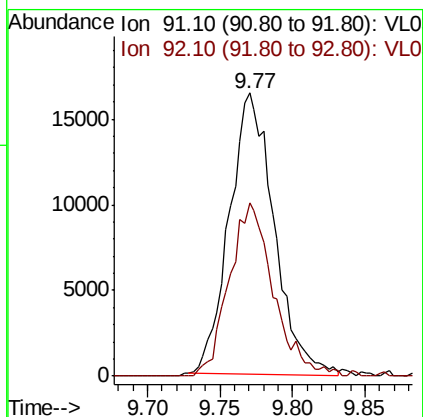
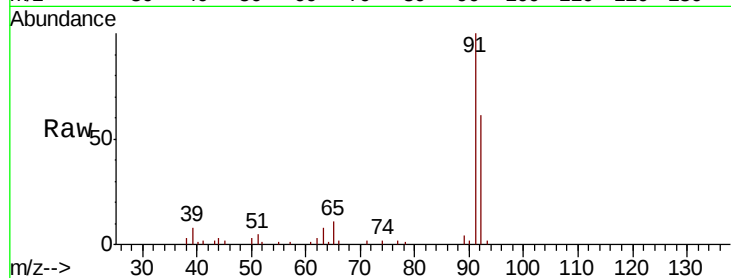
Ion Ratio Lower Upper

91 100

92 61.2 49.8 74.6

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.05 min Scan# 2881

Delta R.T. -0.05 min

Lab File: VL035847.D

Acq: 5 Nov 2020 00:40

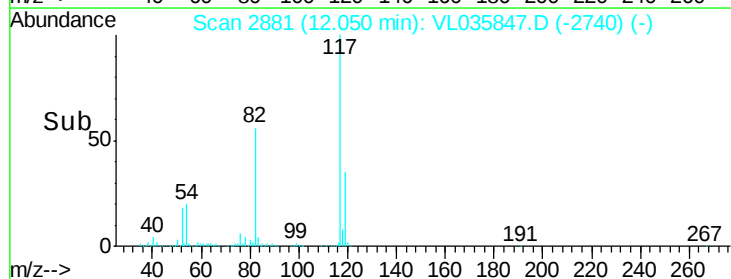
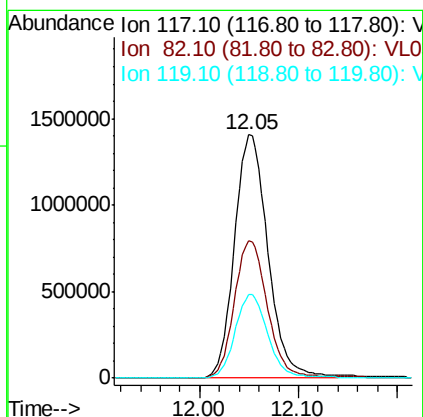
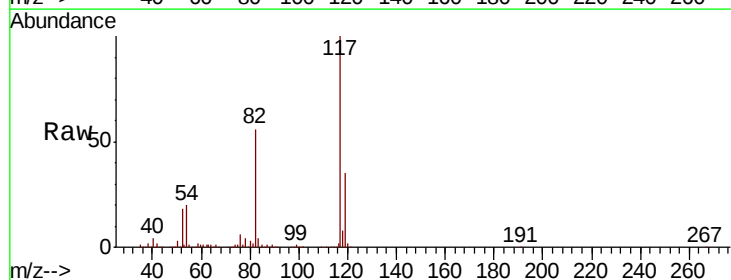
Tgt Ion: 117 Resp: 3323489

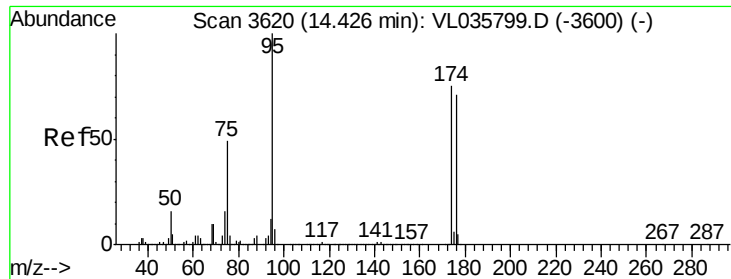
Ion Ratio Lower Upper

117 100

82 56.9 50.6 76.0

119 34.1 52.6 78.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.718 ppbv
 RT: 14.38 min Scan# 3607
 Delta R.T. -0.04 min
 Lab File: VL035847.D
 Acq: 5 Nov 2020 00:40

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Tot Ion:	95	Resp:	2294711
Ion Ratio	Lower	Upper	
95	100		
174	80.5	59.8	89.6
175	5.6	4.3	6.5

Manual Integrations
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