

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\
 Data File : VL035837.D
 Acq On : 4 Nov 2020 17:31
 Operator : SY/AP
 Sample : L4610-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:16:57 PM

Quant Time: Nov 05 04:12:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 2020
 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	1034573	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	4676906	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	4240937	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	2975660	9.88	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	117676m	2.595	ppbv	
10) Heptane	8.09	43	64688	0.516	ppbv	91
13) Ethanol	3.60	45	4647m	0.472	ppbv	
15) Acetone	3.83	43	398981	3.607	ppbv	96
20) Methylene Chloride	4.31	84	51184	0.657	ppbv	92
26) Hexane	5.66	57	200365	1.667	ppbv #	44
53) Toluene	9.77	91	65855	0.157	ppbv	99
59) m/p-Xylene	12.93	91	71886m	0.164	ppbv	

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

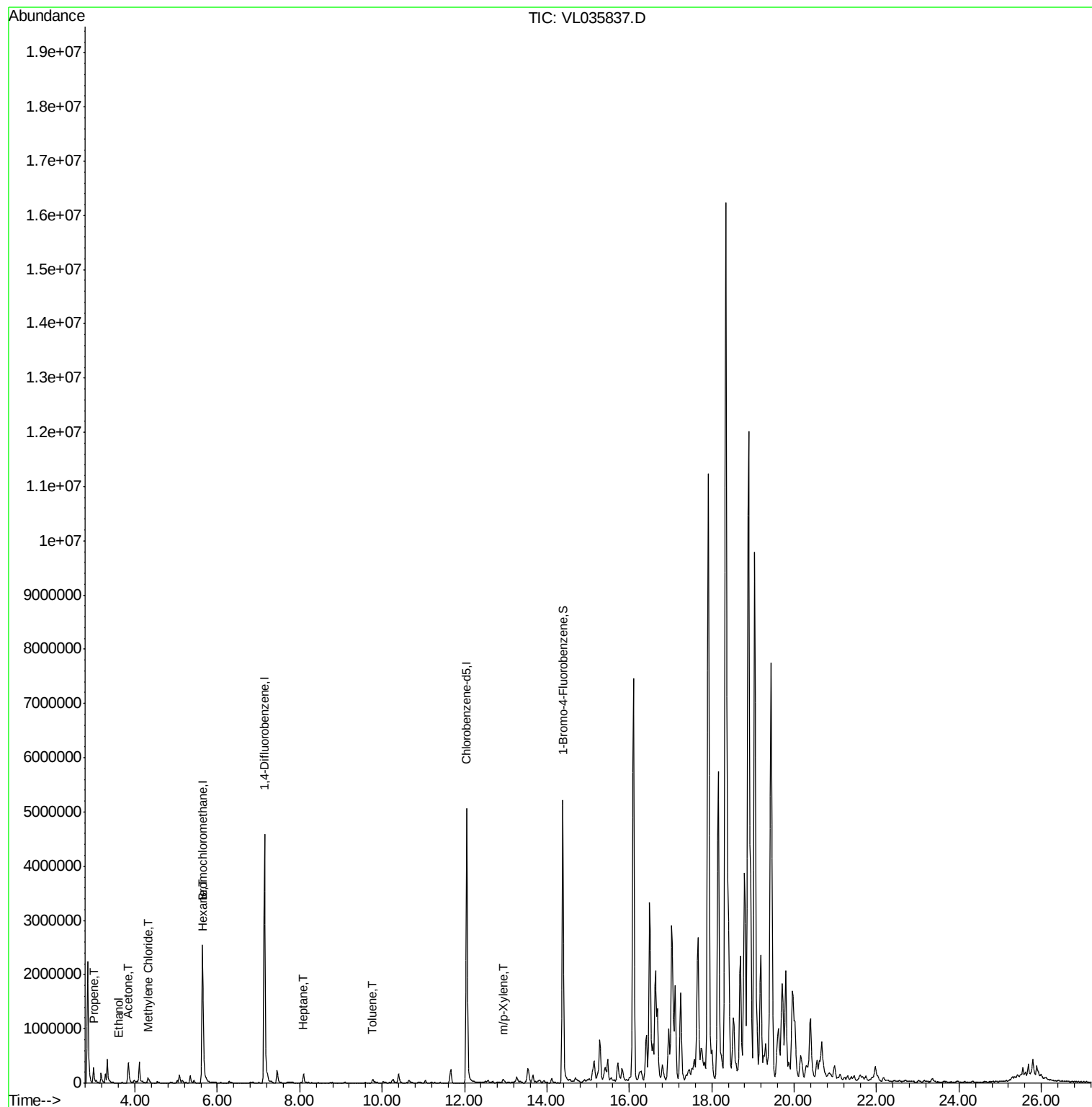
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL110420\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.03 min

Lab File: VL035837.D

Acq: 4 Nov 2020 17:31

Instrument :

MSVOA_L

ClientSampleId :

SV4DL

Tot Ion: 49 Resp: 1034573

Ion Ratio Lower Upper

49 100

128 91.8 41.5 124.6

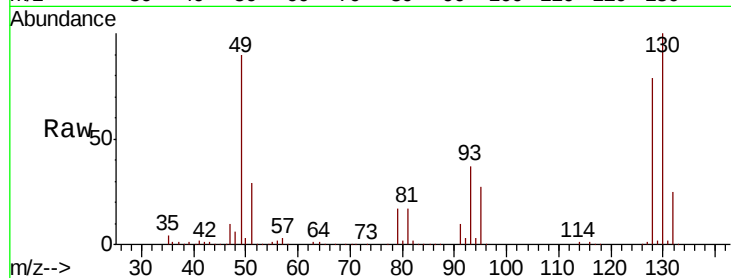
130 115.4 53.7 161.1

Manual Integrations

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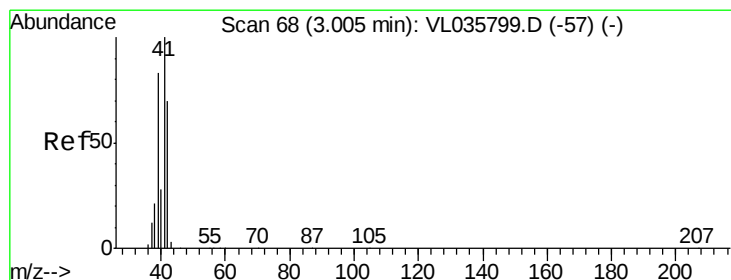
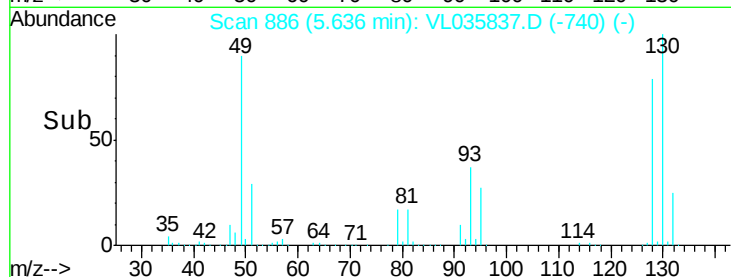
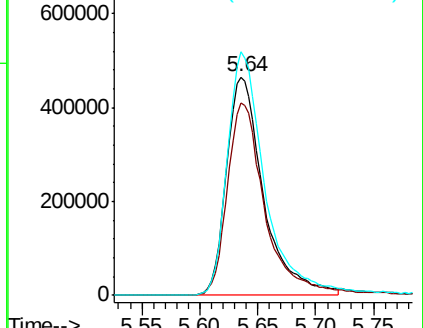
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 2.595 ppbv m

RT: 2.99 min Scan# 63

Delta R.T. -0.02 min

Lab File: VL035837.D

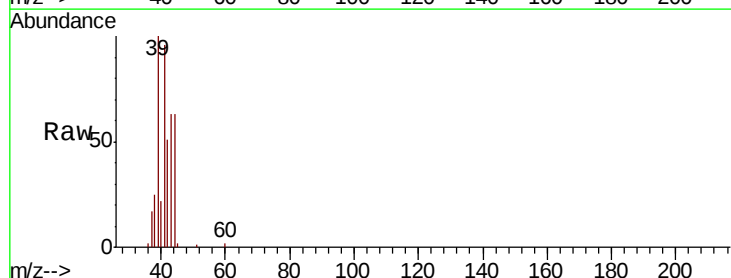
Acq: 4 Nov 2020 17:31

Tgt Ion: 41 Resp: 117676

Ion Ratio Lower Upper

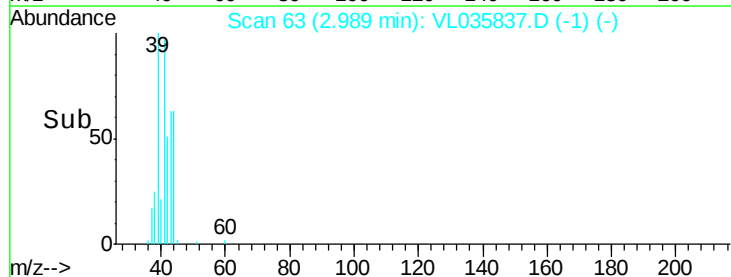
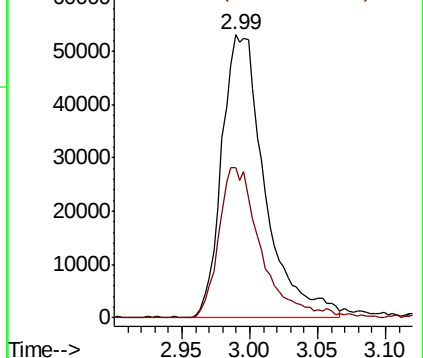
41 100

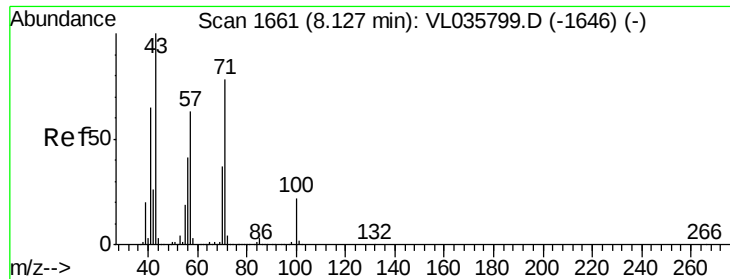
42 37.6 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





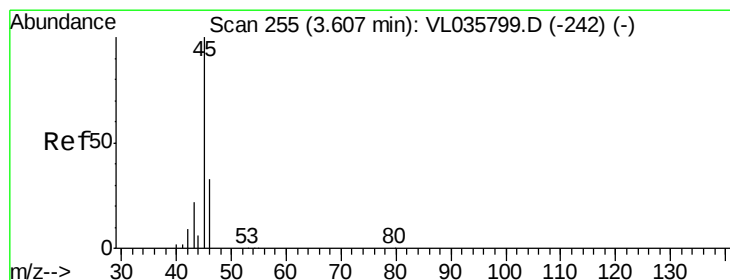
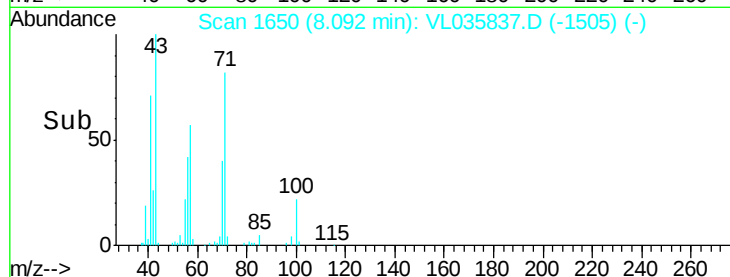
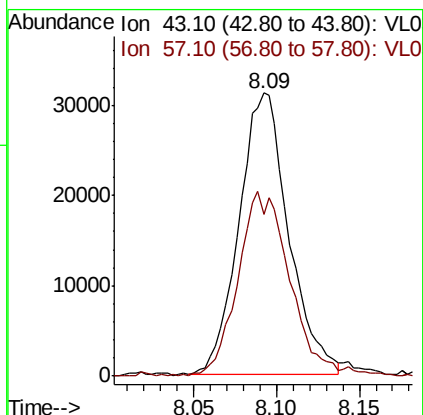
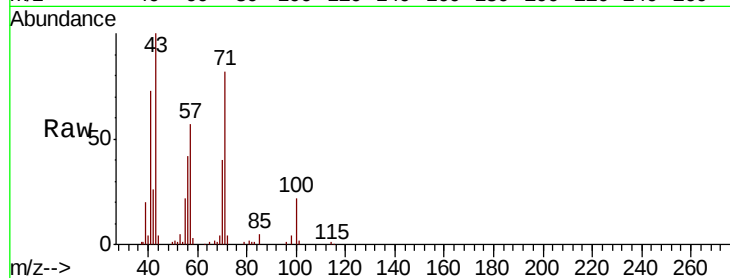
#10
Heptane
Concen: 0.516 ppbv
RT: 8.09 min Scan# 1650
Delta R.T. -0.04 min
Lab File: VL035837.D
Acq: 4 Nov 2020 17:31

Instrument :
MSVOA_L
ClientSampleId :
SV4DL

Tot Ion: 43 Resp: 64688
Ion Ratio Lower Upper
43 100
57 69.2 50.0 75.0

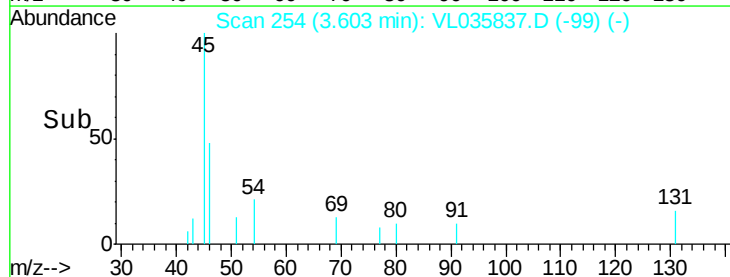
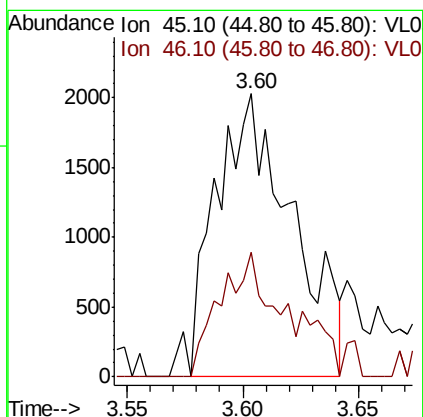
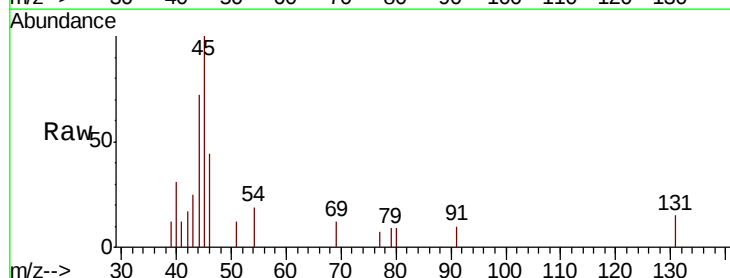
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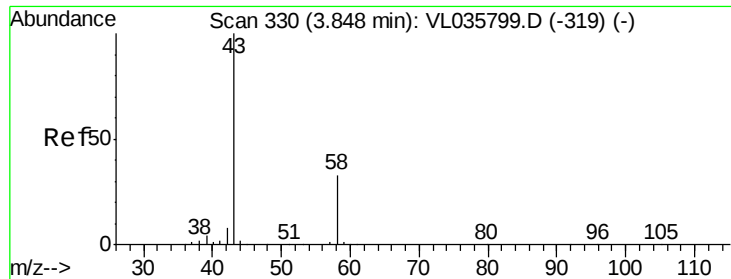
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#13
Ethanol
Concen: 0.472 ppbv m
RT: 3.60 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL035837.D
Acq: 4 Nov 2020 17:31

Tgt Ion: 45 Resp: 4647
Ion Ratio Lower Upper
45 100
46 0.0 16.1 64.5#





#15

Acetone

Concen: 3.607 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.02 min

Lab File: VL035837.D

Acq: 4 Nov 2020 17:31

Instrument :

MSVOA_L

ClientSampleId :

SV4DL

Tot Ion: 43 Resp: 398981

Ion Ratio Lower Upper

43 100

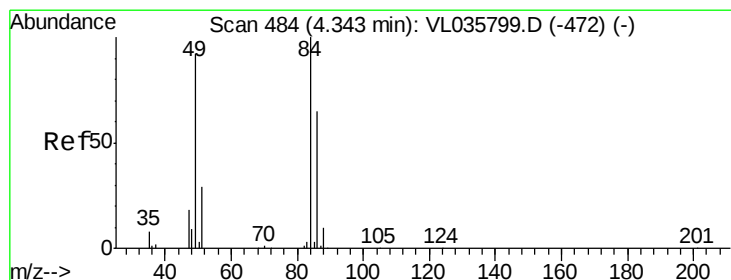
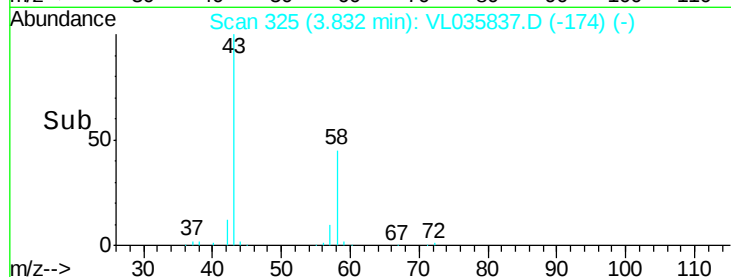
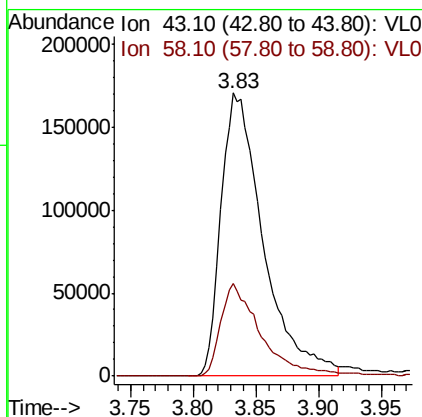
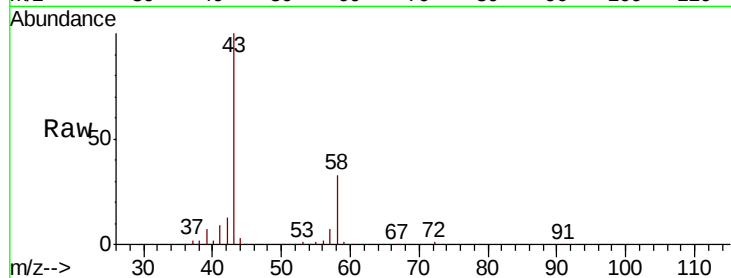
58 32.2 27.5 41.3

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#20

Methylene Chloride

Concen: 0.657 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.03 min

Lab File: VL035837.D

Acq: 4 Nov 2020 17:31

Tgt Ion: 84 Resp: 51184

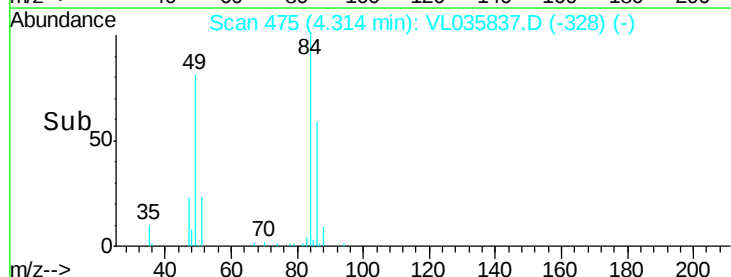
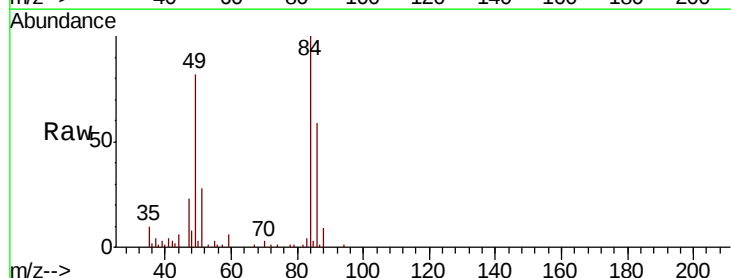
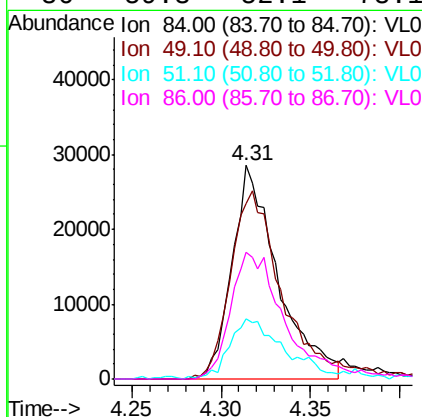
Ion Ratio Lower Upper

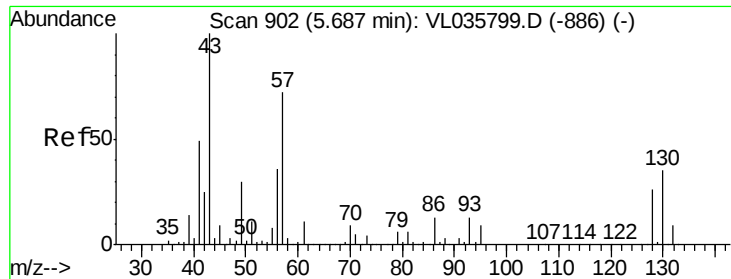
84 100

49 82.0 73.8 110.8

51 27.0 23.0 34.4

86 59.3 52.1 78.1





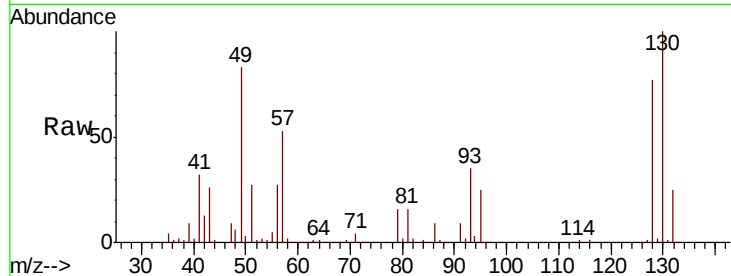
#26
Hexane
Concen: 1.667 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL035837.D
Acq: 4 Nov 2020 17:31

Instrument :
MSVOA_L
ClientSampleID :
SV4DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	68.7	58.9	88.3
43	54.5	150.2	225.2#
56	53.1	42.4	63.6

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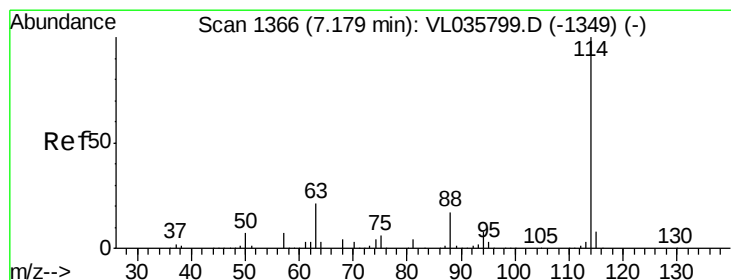
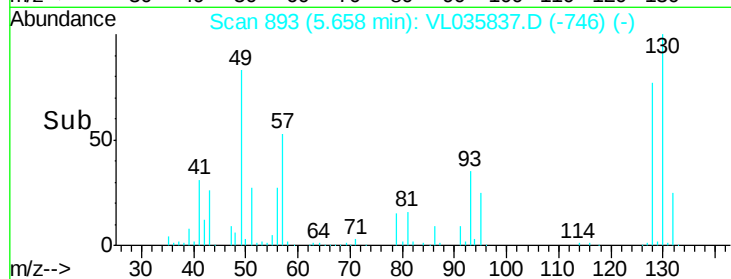
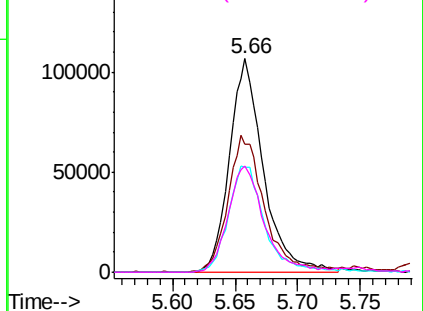
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

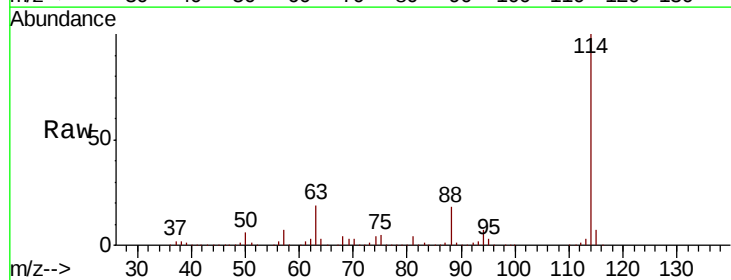
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.04 min
Lab File: VL035837.D
Acq: 4 Nov 2020 17:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.5	16.1	24.1
88	16.8	13.7	20.5

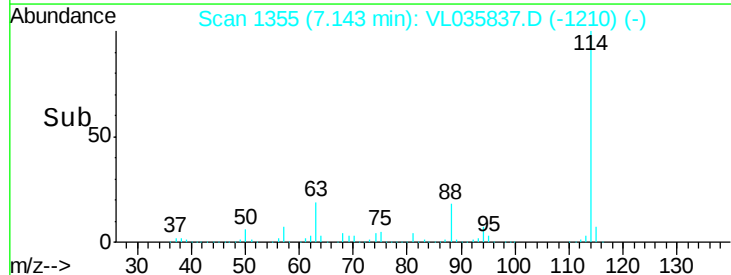
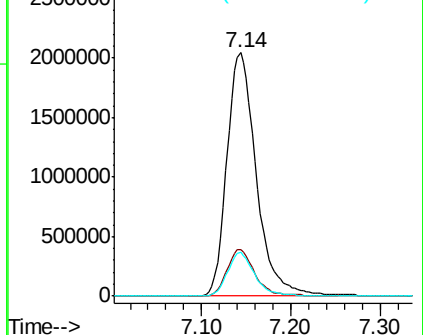


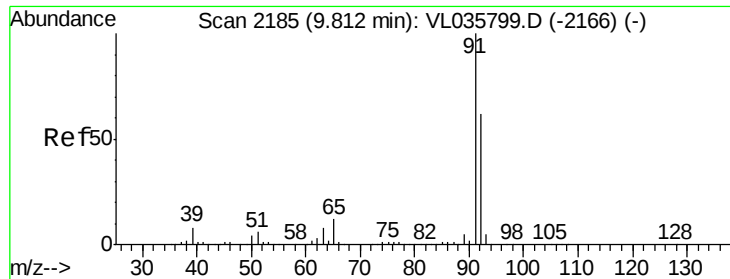
Abundance

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: 0.157 ppbv

RT: 9.77 min Scan# 2172

Delta R.T. -0.04 min

Lab File: VL035837.D

Acq: 4 Nov 2020 17:31

Instrument :

MSVOA_L

ClientSampleId :

SV4DL

Tot Ion: 91 Resp: 65855

Ion Ratio Lower Upper

91 100

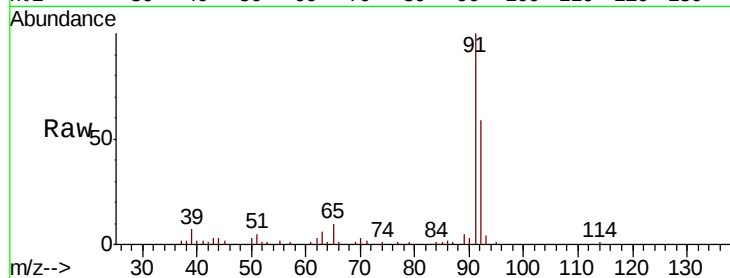
92 62.6 49.8 74.6

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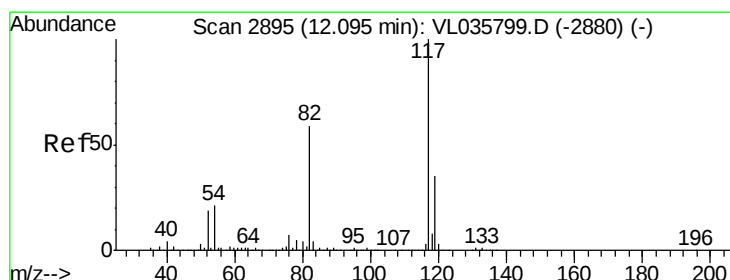
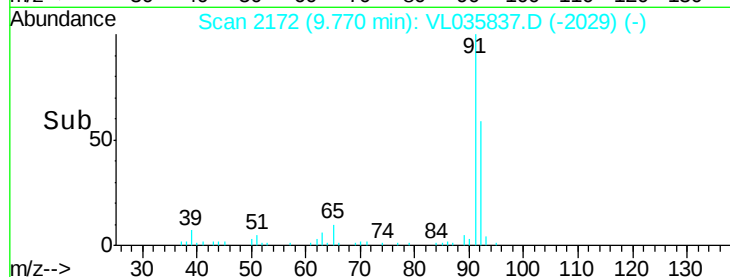
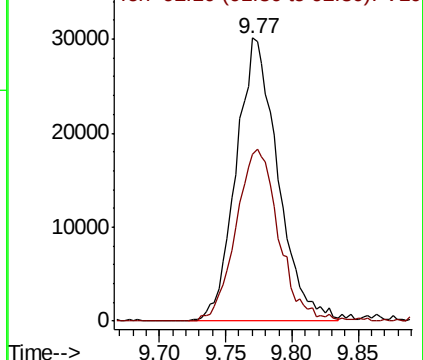
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.05 min Scan# 2882

Delta R.T. -0.04 min

Lab File: VL035837.D

Acq: 4 Nov 2020 17:31

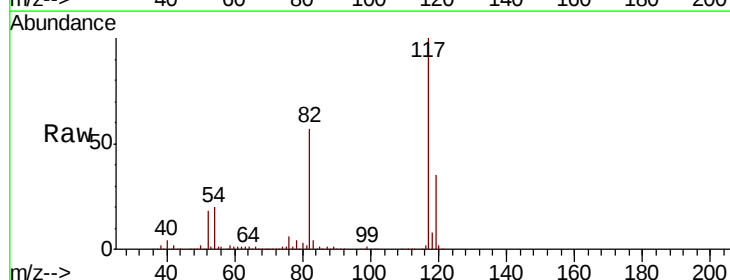
Tgt Ion: 117 Resp: 4240937

Ion Ratio Lower Upper

117 100

82 56.9 50.6 76.0

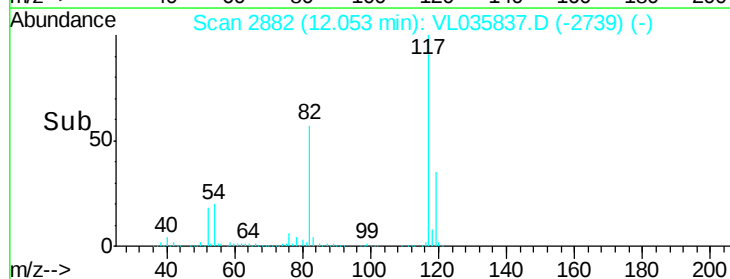
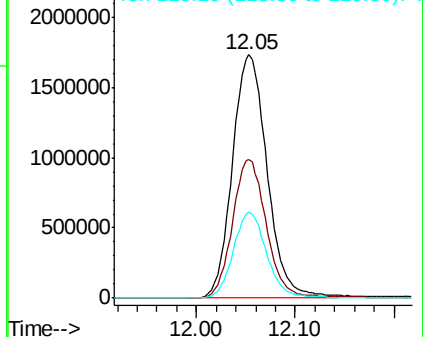
119 34.6 52.6 78.8#

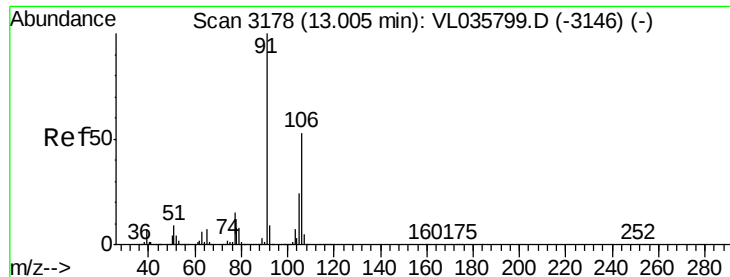


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





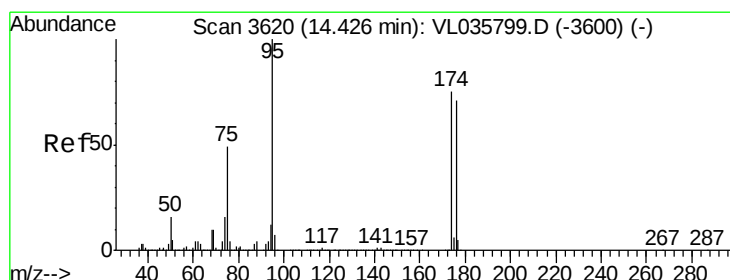
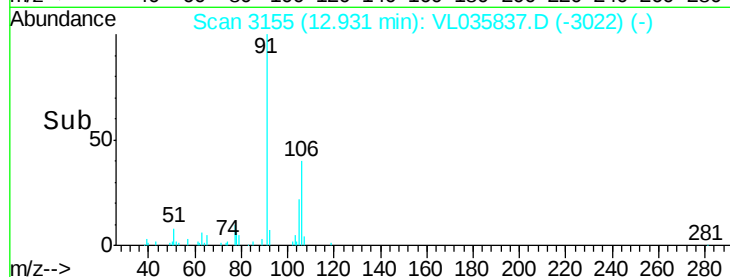
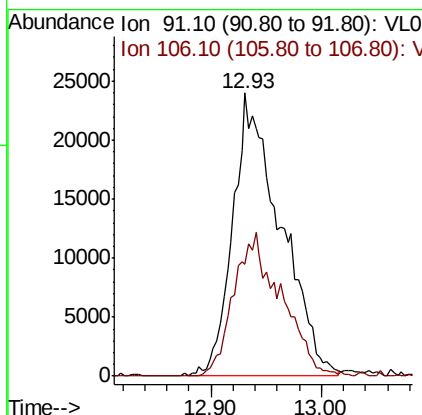
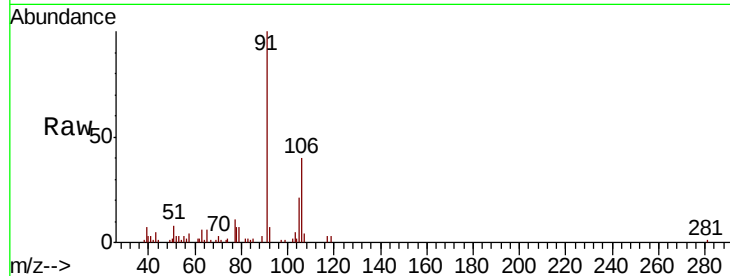
#59
m/p-Xylene
Concen: 0.164 ppbv m
RT: 12.93 min Scan# 3155
Delta R.T. -0.07 min
Lab File: VL035837.D
Acq: 4 Nov 2020 17:31

Instrument :
MSVOA_L
ClientSampled :
SV4DL

Tot Ion: 91 Resp: 71886
Ion Ratio Lower Upper
91 100
106 0.0 39.5 59.3#

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.876 ppbv
RT: 14.38 min Scan# 3607
Delta R.T. -0.04 min
Lab File: VL035837.D
Acq: 4 Nov 2020 17:31

Tgt Ion: 95 Resp: 2975660
Ion Ratio Lower Upper
95 100
174 74.0 59.8 89.6
175 5.2 4.3 6.5

