

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091620\
 Data File : VL035638.D
 Acq On : 16 Sep 2020 21:04
 Operator : SY/AP
 Sample : L4036-01DL 4X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DB-IA-Y01DL

Manual Integrations
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Quant Time: Sep 17 07:55:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1262803	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4930734	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4881916	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3588948	10.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.13	50	11158	0.149	ppbv	96
9) Propene	3.02	41	6914m	0.128	ppbv	
13) Ethanol	3.60	45	39112	2.930	ppbv	96
15) Acetone	3.85	43	122335	0.878	ppbv	89
19) Isopropyl Alcohol	3.98	45	28973	0.349	ppbv #	84
20) Methylene Chloride	4.34	84	82589	0.796	ppbv	93
26) Hexane	5.68	57	25282m	0.181	ppbv	

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

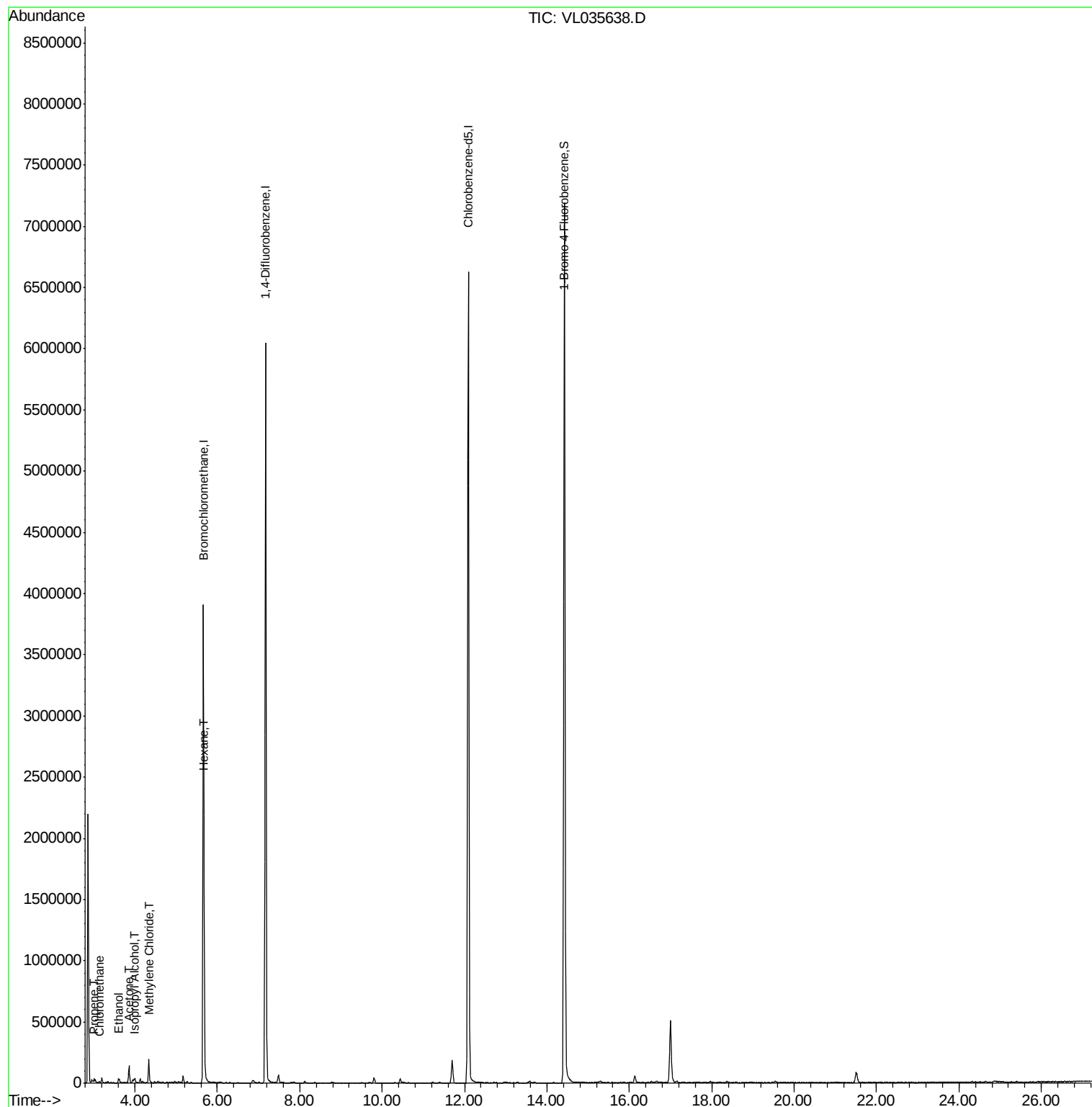
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091620\
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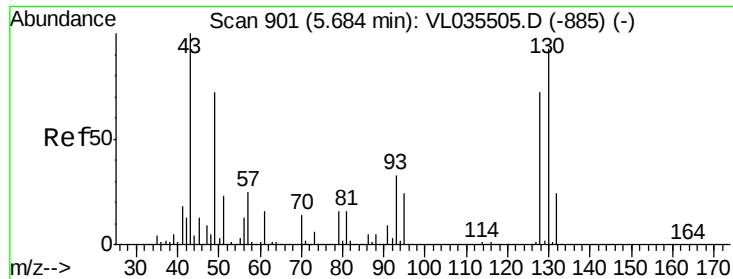
Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
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QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL035638.D

Acq: 16 Sep 2020 21:04

Instrument :

MSVOA_L

ClientSampleId :

DB-IA-Y01DL

Tot Ion: 49 Resp: 1262803

Ion Ratio Lower Upper

49 100

128 91.4 50.0 150.1

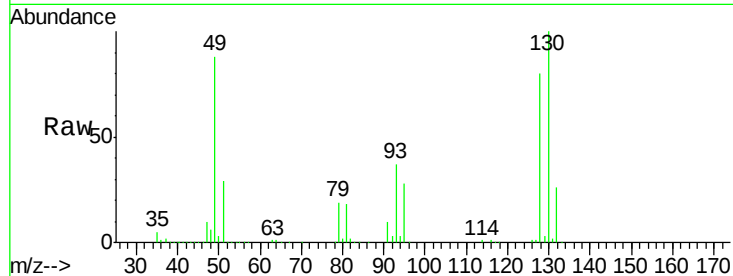
130 115.7 64.4 193.2

Manual Integrations

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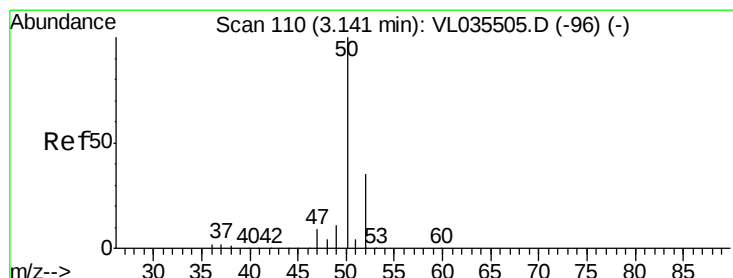
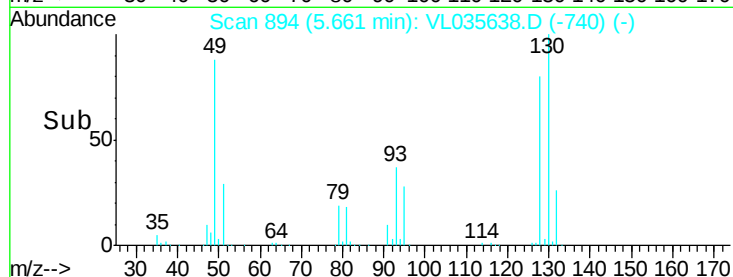
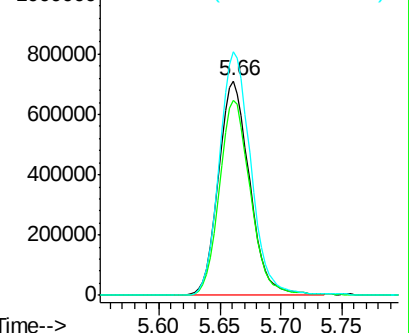
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#4

Chloromethane

Concen: 0.149 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL035638.D

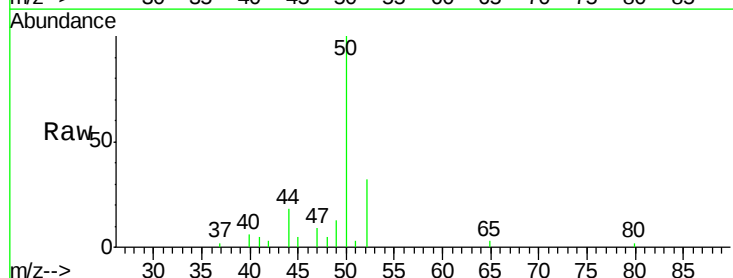
Acq: 16 Sep 2020 21:04

Tgt Ion: 50 Resp: 11158

Ion Ratio Lower Upper

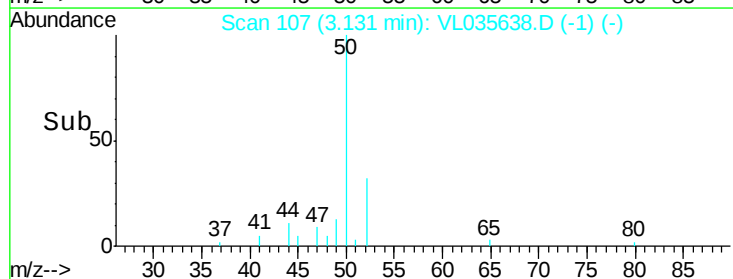
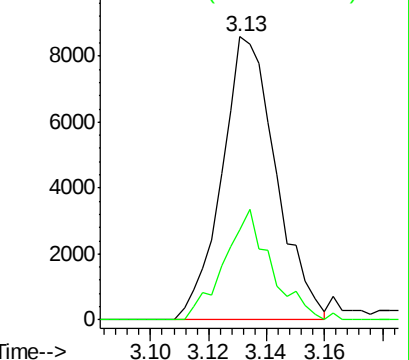
50 100

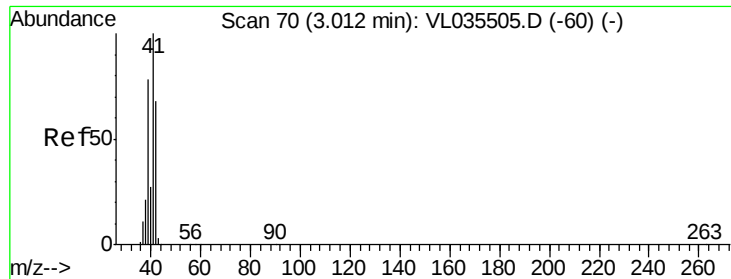
52 32.0 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.128 ppbv m

RT: 3.02 min Scan# 71

Delta R.T. 0.02 min

Lab File: VL035638.D

Acq: 16 Sep 2020 21:04

Instrument :

MSVOA_L

ClientSampleId :

DB-IA-Y01DL

Tot Ion: 41 Resp: 6914

Ion Ratio Lower Upper

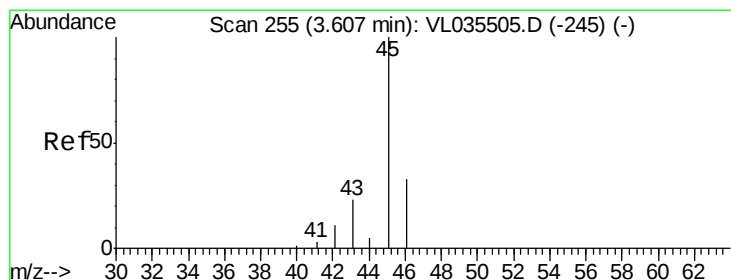
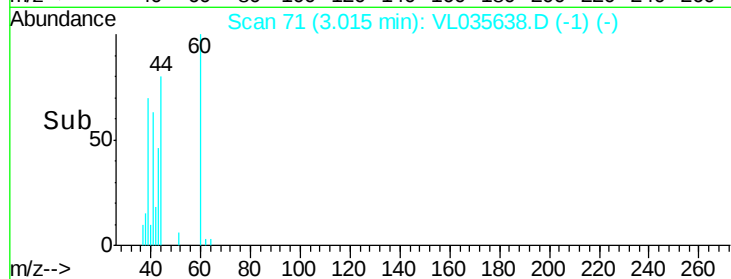
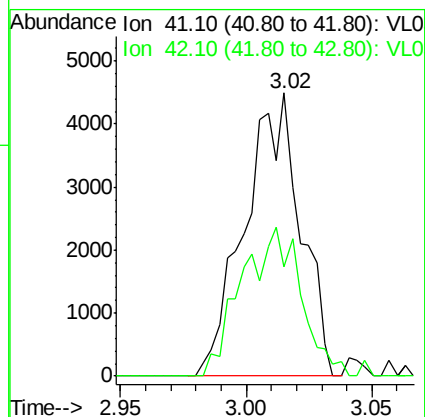
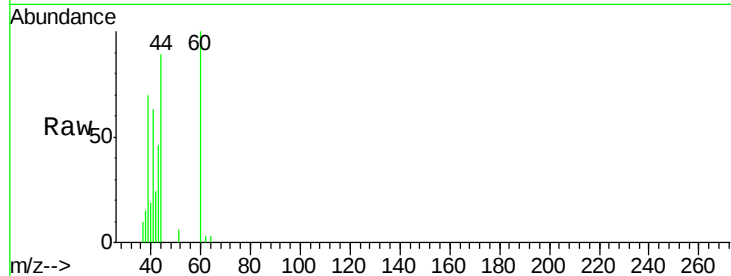
41 100

42 56.6 56.3 84.5

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#13

Ethanol

Concen: 2.930 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.01 min

Lab File: VL035638.D

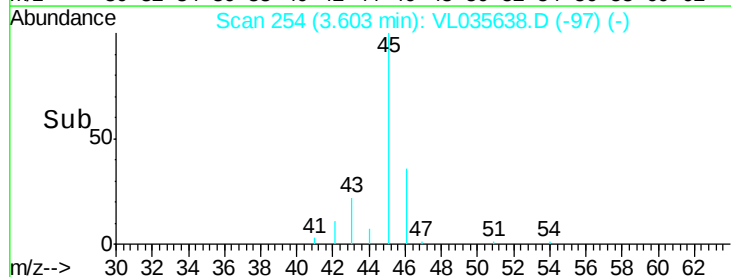
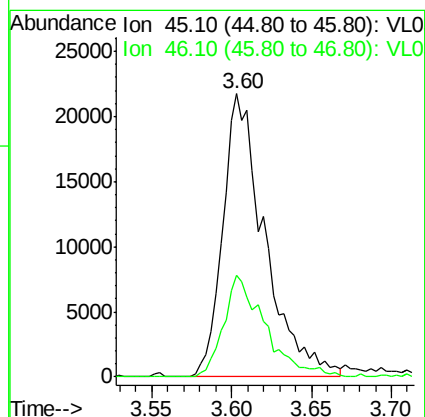
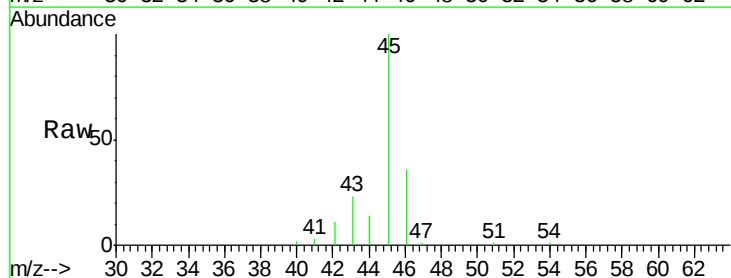
Acq: 16 Sep 2020 21:04

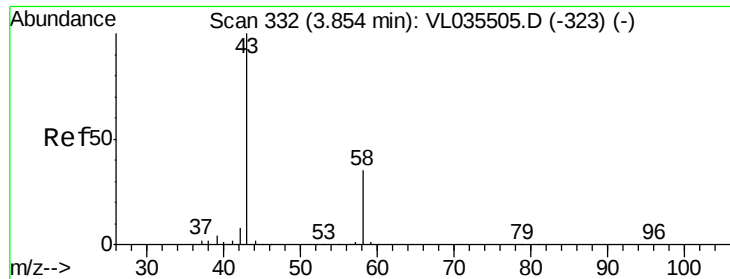
Tgt Ion: 45 Resp: 39112

Ion Ratio Lower Upper

45 100

46 35.7 15.2 60.6





#15

Acetone

Concen: 0.878 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.02 min

Lab File: VL035638.D

Acq: 16 Sep 2020 21:04

Instrument :

MSVOA_L

ClientSampleId :

DB-IA-Y01DL

Tot Ion: 43 Resp: 122335

Ion Ratio Lower Upper

43 100

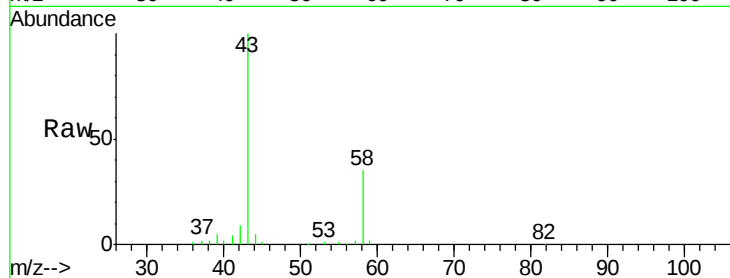
58 42.0 28.4 42.6

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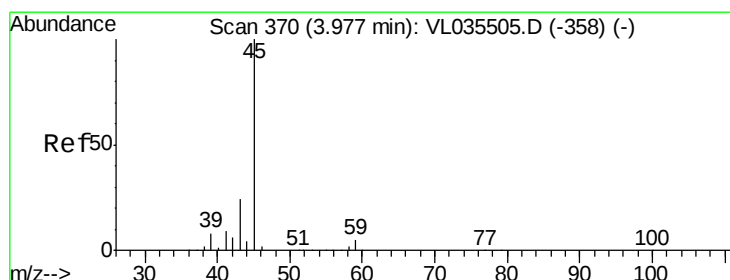
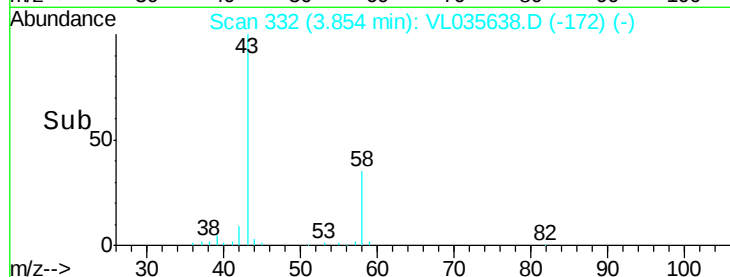
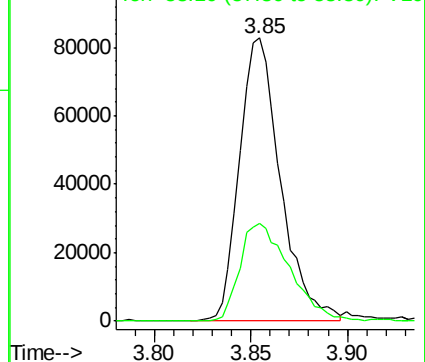
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 0.349 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.03 min

Lab File: VL035638.D

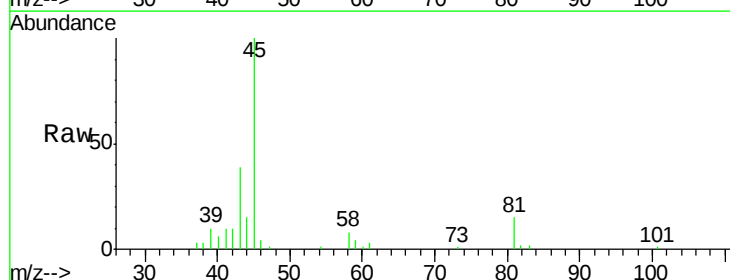
Acq: 16 Sep 2020 21:04

Tgt Ion: 45 Resp: 28973

Ion Ratio Lower Upper

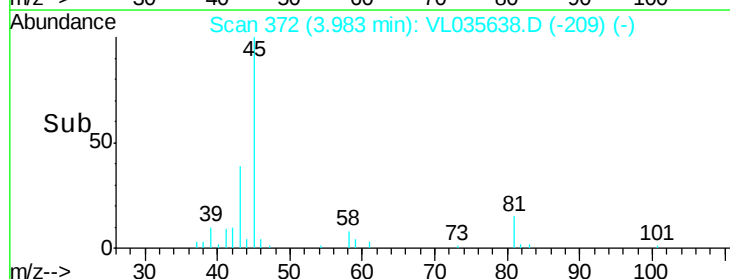
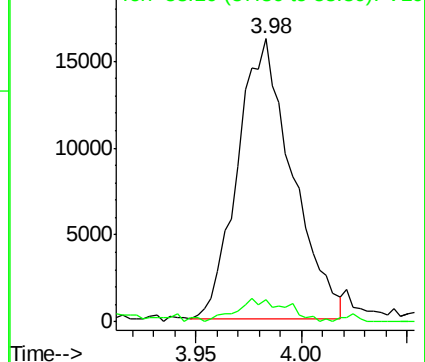
45 100

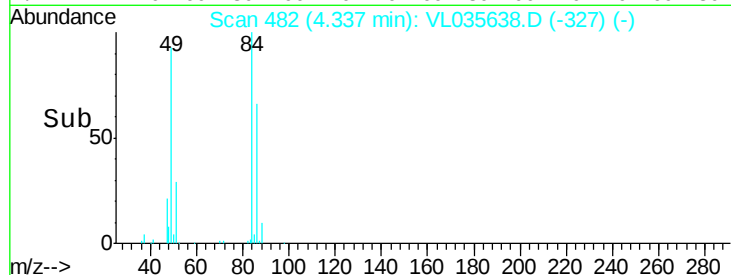
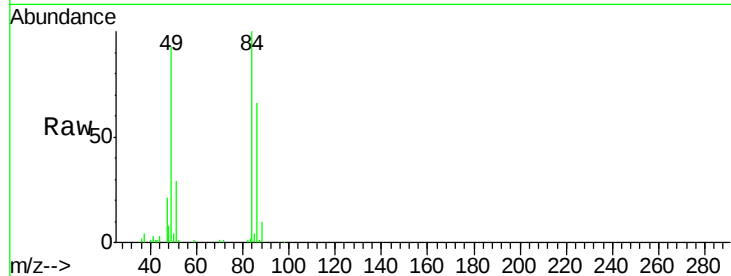
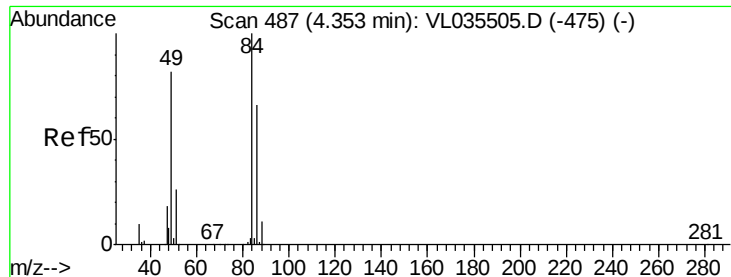
58 7.8 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





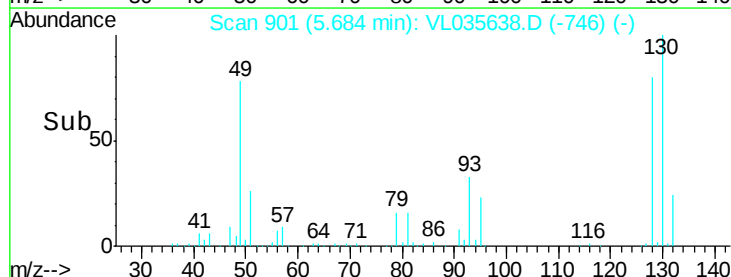
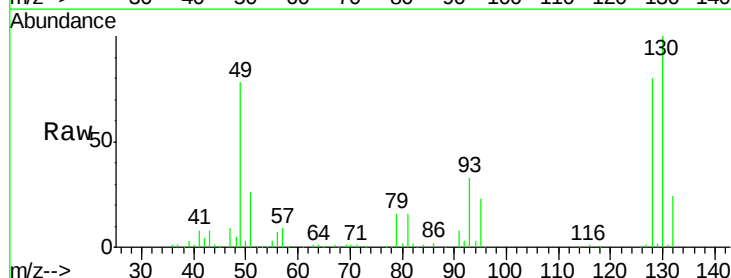
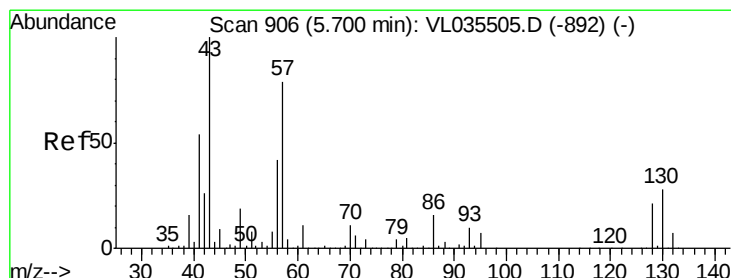
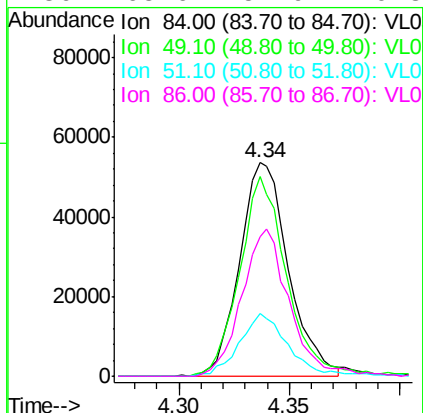
#20
Methvlene Chloride
Concen: 0.796 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL035638.D
Acq: 16 Sep 2020 21:04

Tot Ion	84	Resp	82589
Ion Ratio	Lower	Upper	
84	100		
49	93.5	65.4	98.0
51	29.3	21.5	32.3
86	65.6	52.9	79.3

Instrument :
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DB-IA-Y01DL

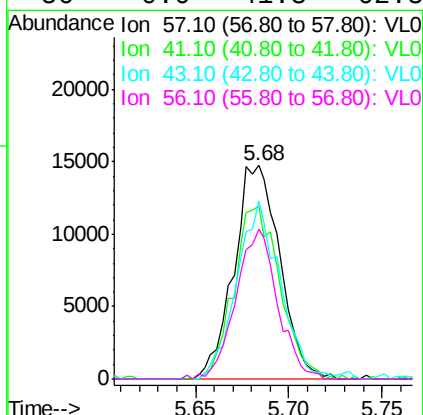
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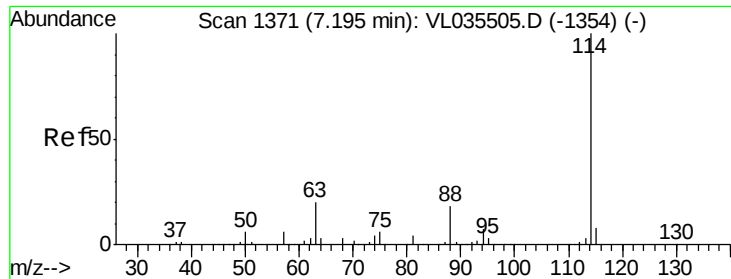
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#26
Hexane
Concen: 0.181 ppbv m
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL035638.D
Acq: 16 Sep 2020 21:04

Tgt Ion	57	Resp	25282
Ion Ratio	Lower	Upper	
57	100		
41	0.0	55.9	83.9#
43	0.0	141.8	212.8#
56	0.0	41.8	62.8#





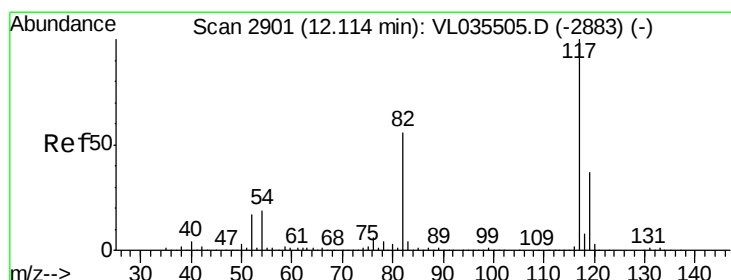
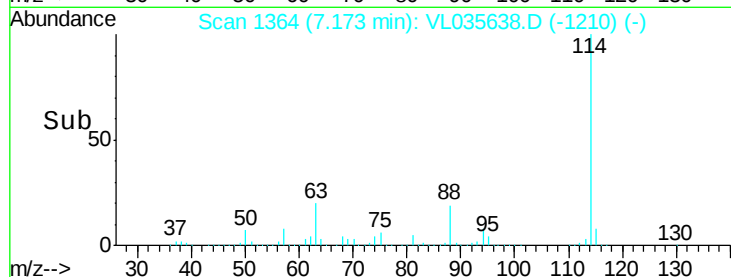
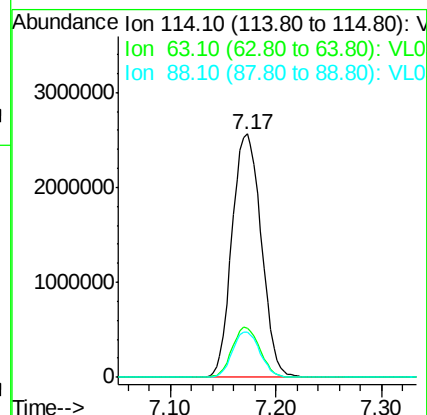
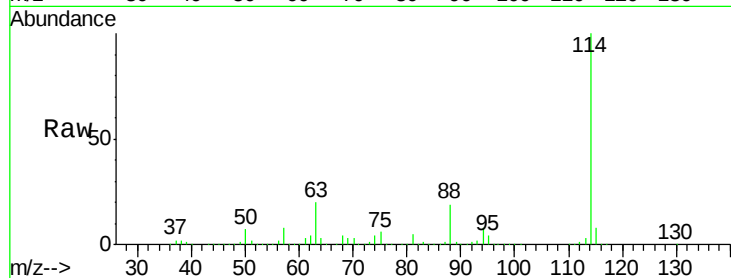
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VL035638.D
 Acq: 16 Sep 2020 21:04

Instrument :
 MSVOA_L
 ClientSampleId :
 DB-IA-Y01DL

Tot Ion:114 Resp: 4930734
 Ion Ratio Lower Upper
 114 100
 63 19.5 14.7 22.1
 88 17.6 13.4 20.2

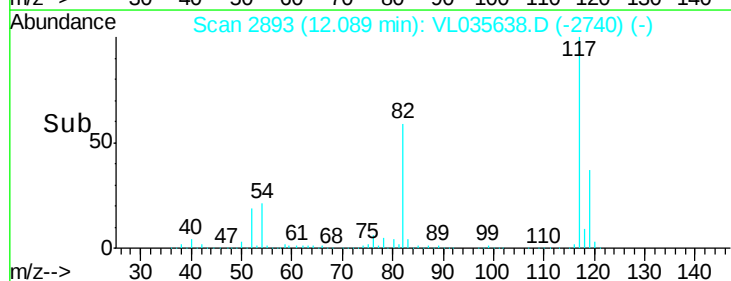
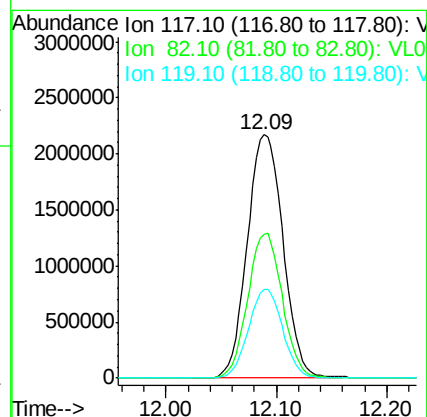
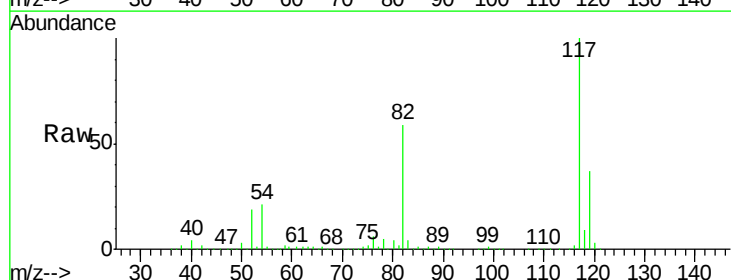
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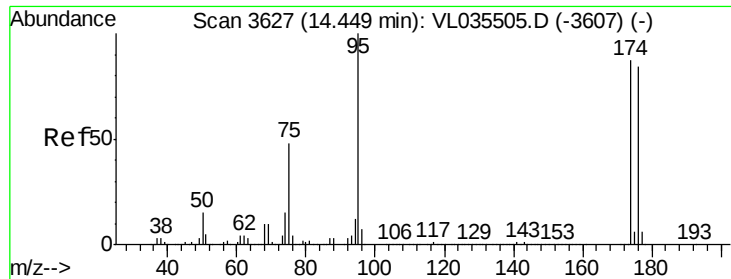
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#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2893
 Delta R.T. -0.01 min
 Lab File: VL035638.D
 Acq: 16 Sep 2020 21:04

Tgt Ion:117 Resp: 4881916
 Ion Ratio Lower Upper
 117 100
 82 57.7 41.6 62.4
 119 35.0 29.3 43.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.352 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. -0.01 min
 Lab File: VL035638.D
 Acq: 16 Sep 2020 21:04

Instrument :
 MSVOA_L
 ClientSampleId :
 DB-IA-Y01DL

Tot Ion: 95 Resp: 3588948
 Ion Ratio Lower Upper
 95 100
 174 79.9 69.6 104.4
 175 5.7 5.1 7.7

Manual Integrations
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