

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040621\
 Data File : VL036704.D
 Acq On : 6 Apr 2021 19:10
 Operator : SY/AP
 Sample : M1929-05DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FS-OA-04DL

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:10:59 AM

Quant Time: Apr 08 12:25:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1266384	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3045812	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2673362	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2044397	9.59	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	36578m	4.072	ppbv	
15) Acetone	3.86	43	142583m	1.144	ppbv	
19) Isopropyl Alcohol	4.00	45	35358m	0.516	ppbv	
20) Methylene Chloride	4.35	84	132743m	2.275	ppbv	
26) Hexane	5.69	57	98848	0.719	ppbv #	45
53) Toluene	9.82	91	30661	0.102	ppbv	92

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

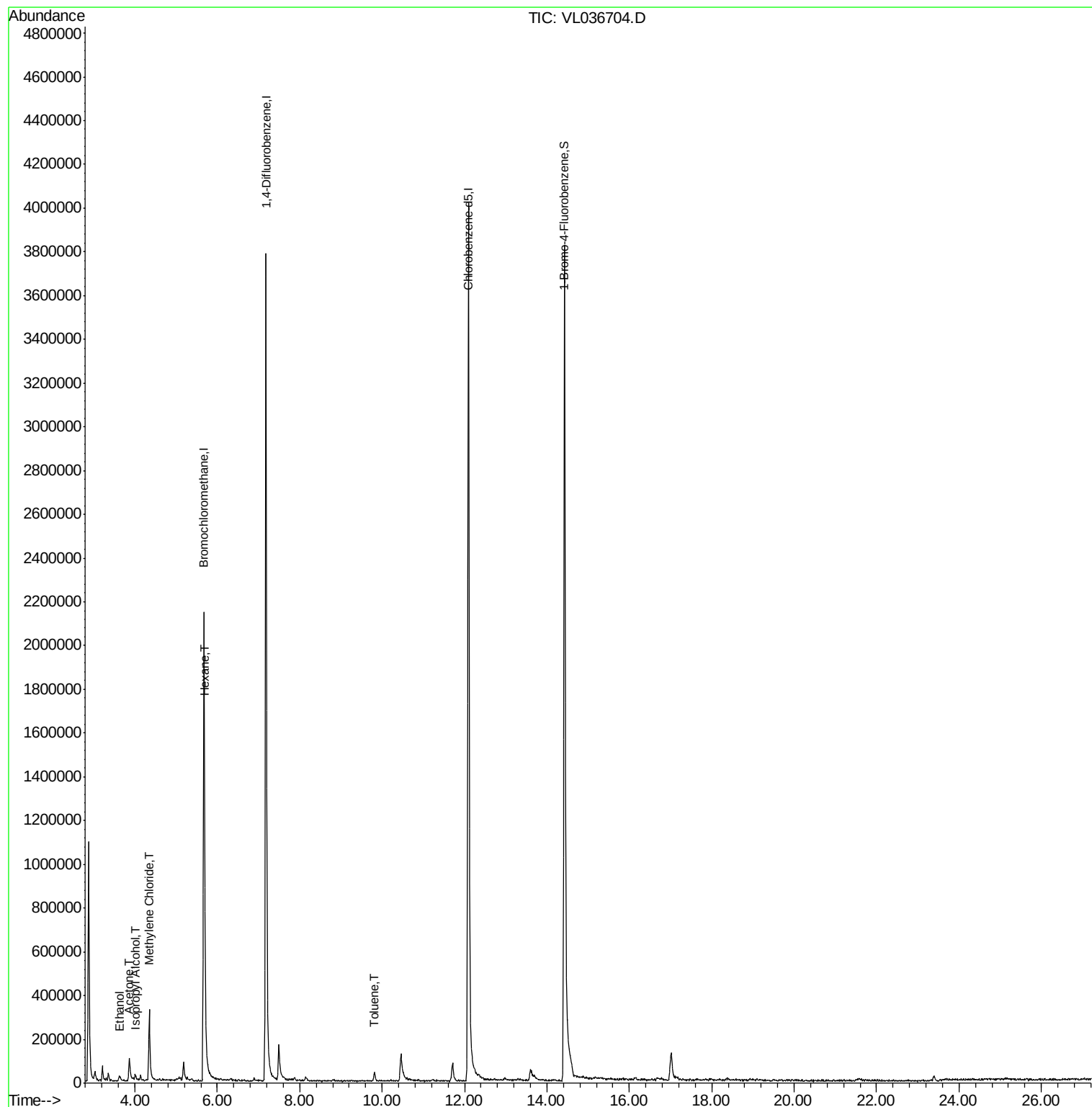
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040621\
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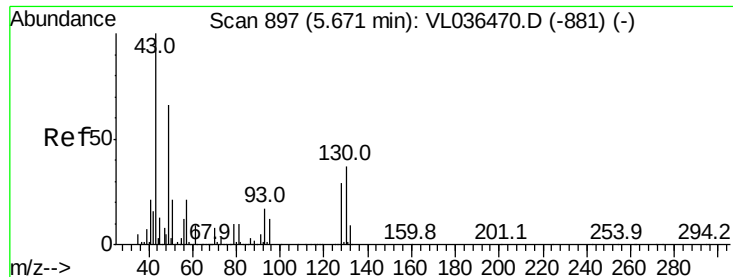
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QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL036704.D

Acq: 6 Apr 2021 19:10

Instrument :

MSVOA_L

ClientSampleId :

FS-OA-04DL

Tot Ion: 49 Resp: 1266384

Ion Ratio Lower Upper

49 100

128 46.6 23.5 70.6

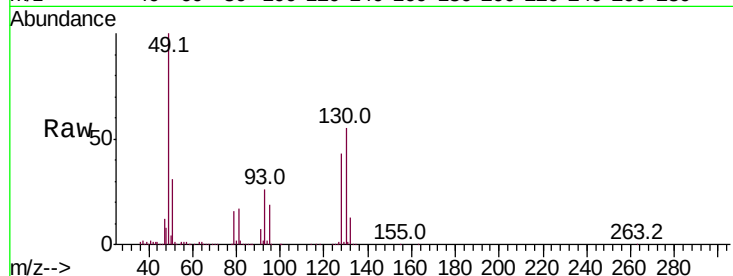
130 60.1 29.1 87.4

Manual Integrations

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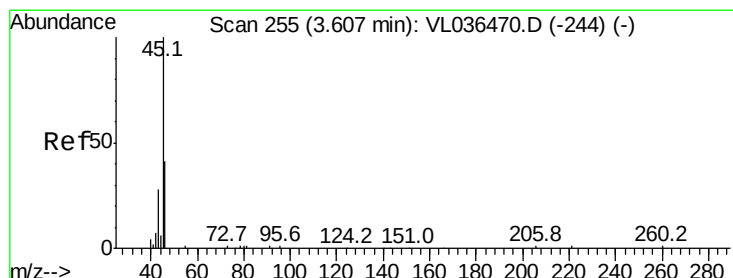
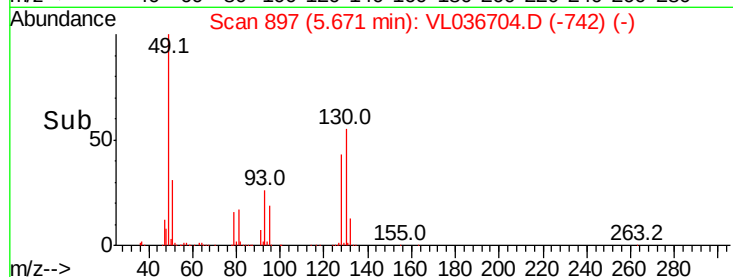
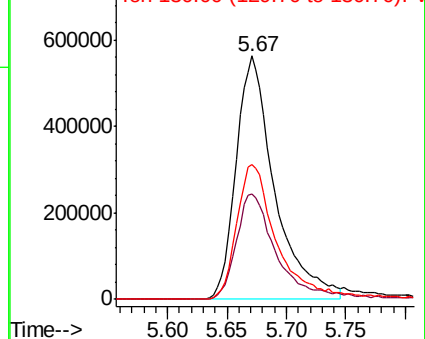
4/12/2021 11:10:59 AM



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



#13

Ethanol

Concen: 4.072 ppbv m

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL036704.D

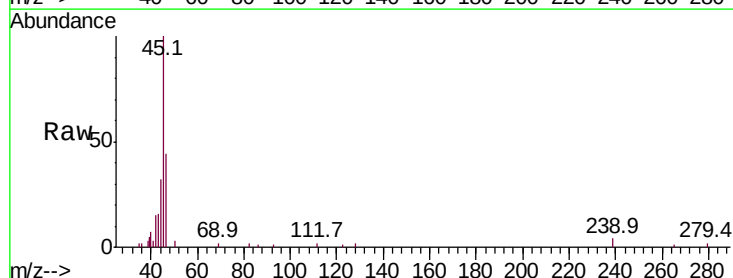
Acq: 6 Apr 2021 19:10

Tgt Ion: 45 Resp: 36578

Ion Ratio Lower Upper

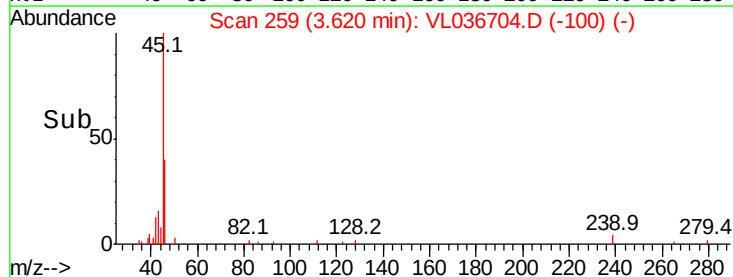
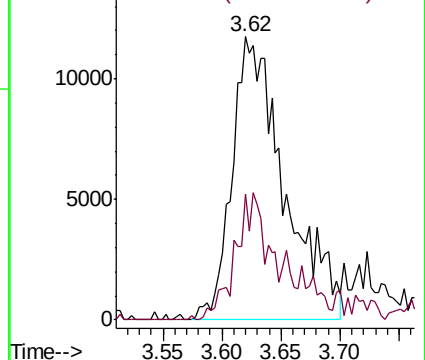
45 100

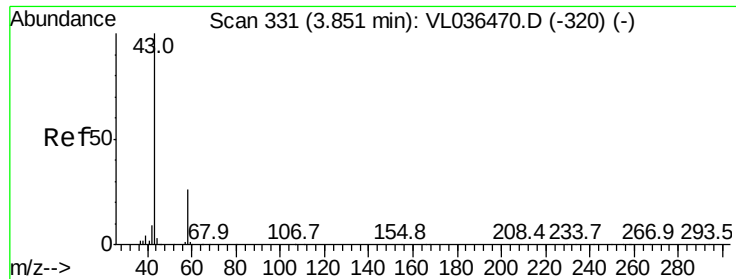
46 39.4 16.6 66.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.144 ppbv m

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL036704.D

Acq: 6 Apr 2021 19:10

Instrument :

MSVOA_L

ClientSampleId :

FS-OA-04DL

Tot Ion: 43 Resp: 142583

Ion Ratio Lower Upper

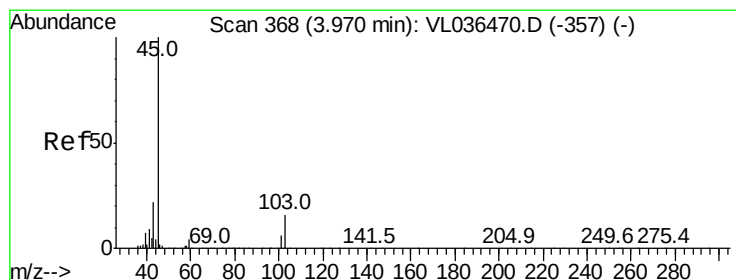
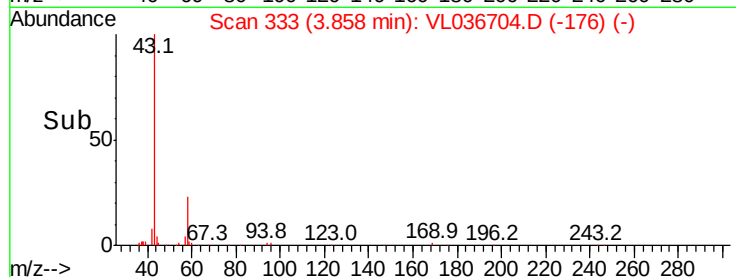
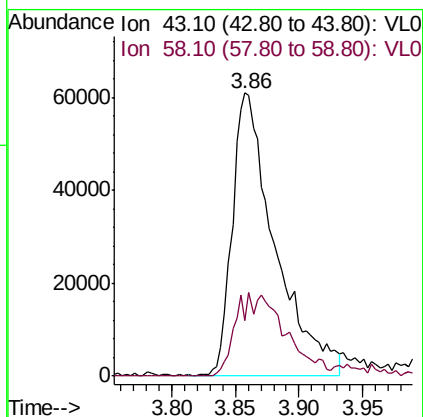
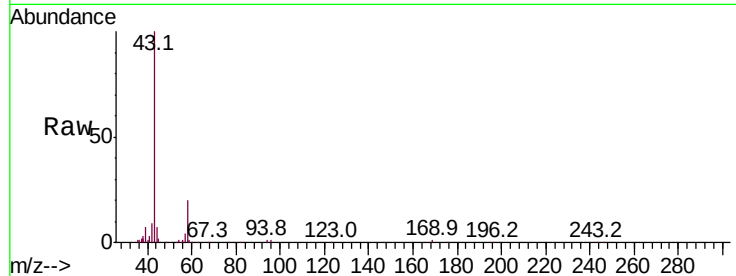
43 100

58 39.1 21.2 31.8#

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#19

Isopropyl Alcohol

Concen: 0.516 ppbv m

RT: 4.00 min Scan# 378

Delta R.T. 0.03 min

Lab File: VL036704.D

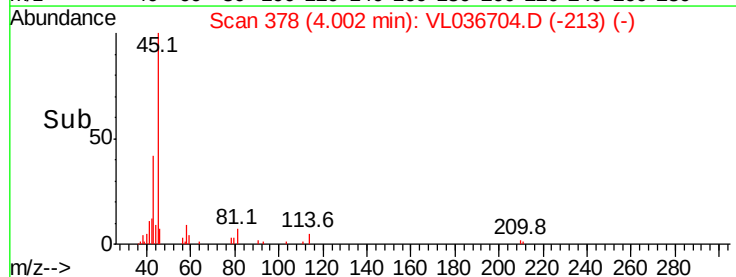
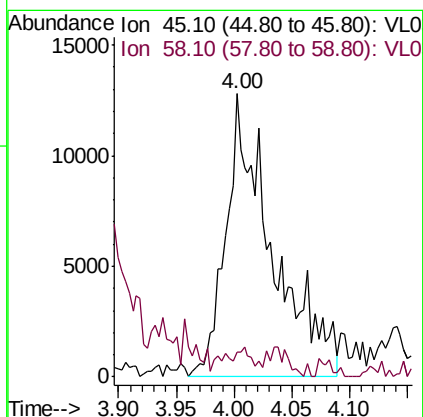
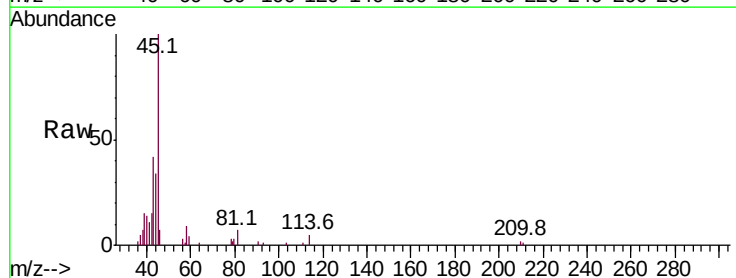
Acq: 6 Apr 2021 19:10

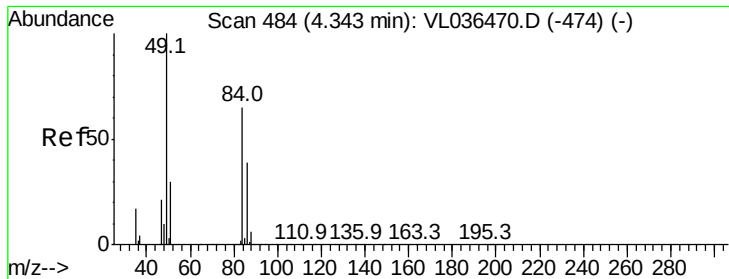
Tgt Ion: 45 Resp: 35358

Ion Ratio Lower Upper

45 100

58 0.0 2.9 4.3#





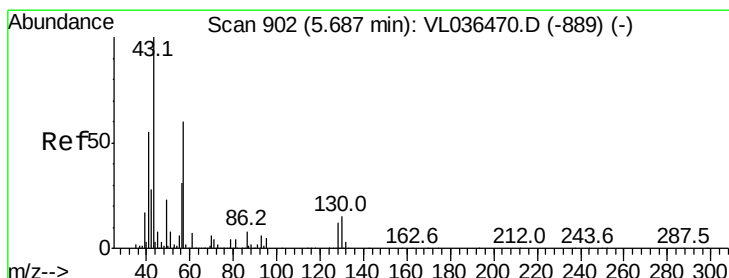
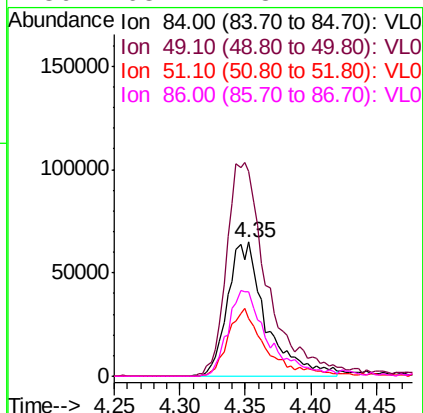
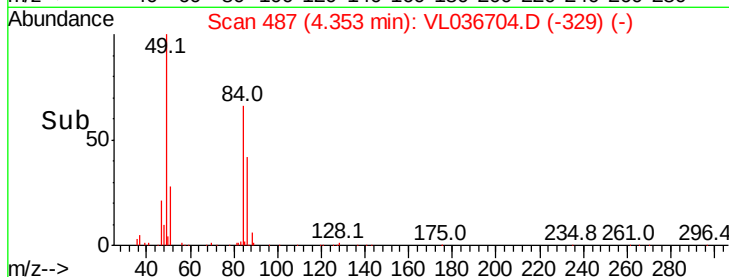
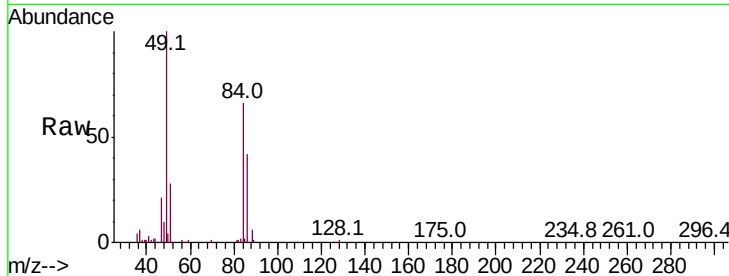
#20
Methvlene Chloride
Concen: 2.275 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL036704.D
Acq: 6 Apr 2021 19:10

Instrument :
MSVOA_L
ClientSampleId :
FS-OA-04DL

Tot Ion	84	Resp	132743
Ion	Ratio	Lower	Upper
84	100		
49	152.4	122.9	184.3
51	42.9	36.9	55.3
86	63.4	48.2	72.4

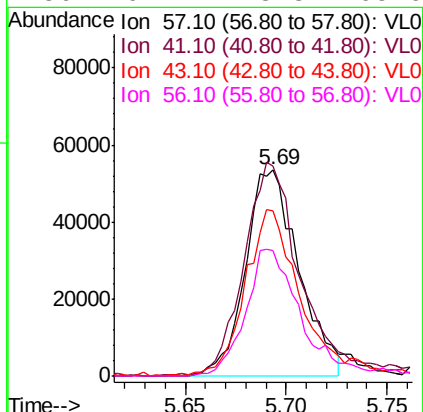
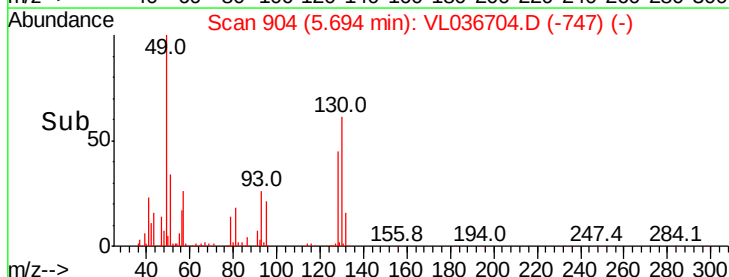
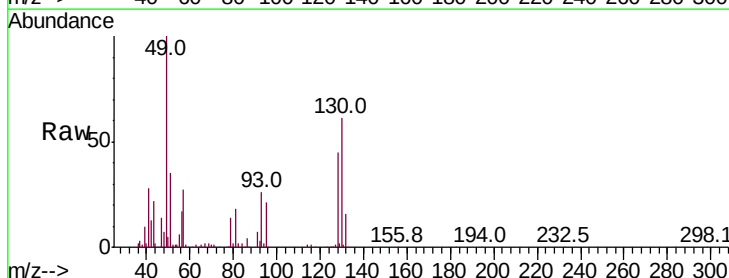
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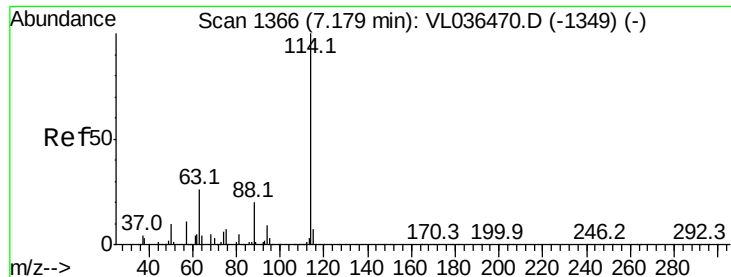
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#26
Hexane
Concen: 0.719 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL036704.D
Acq: 6 Apr 2021 19:10

Tgt Ion	57	Resp	98848
Ion	Ratio	Lower	Upper
57	100		
41	115.2	77.2	115.8
43	87.7	173.8	260.6#
56	64.7	43.8	65.6





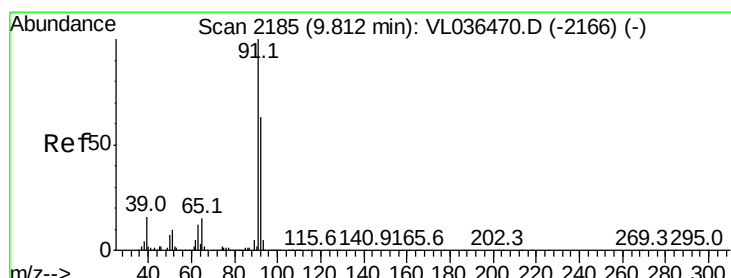
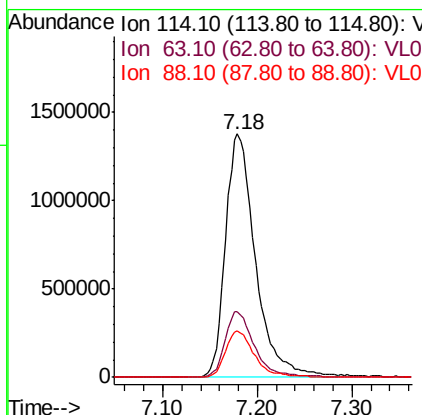
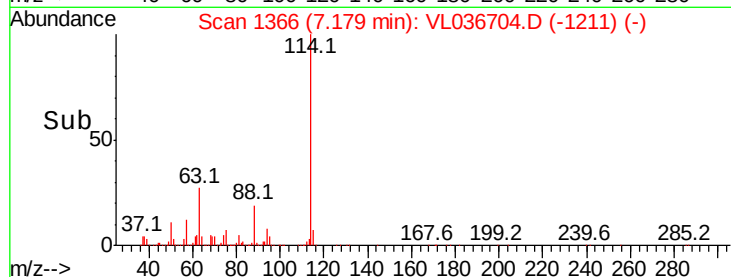
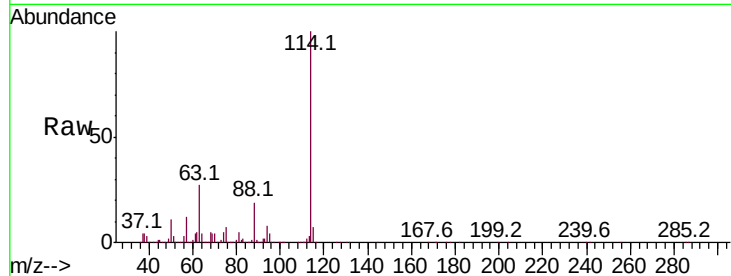
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.00 min
 Lab File: VL036704.D
 Acq: 6 Apr 2021 19:10

Instrument :
 MSVOA_L
 ClientSampleId :
 FS-OA-04DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.9	22.4	33.6
88	18.9	15.4	23.0

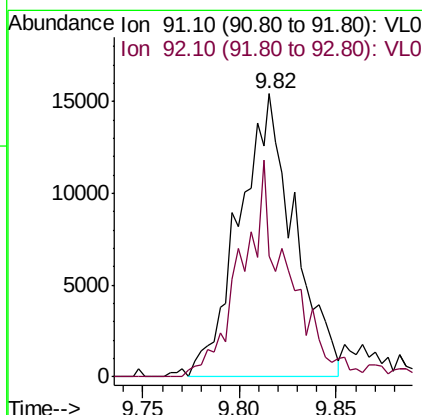
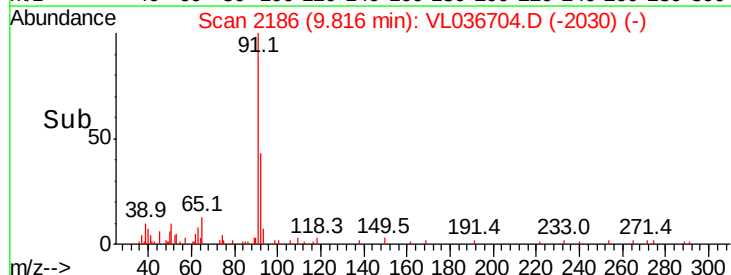
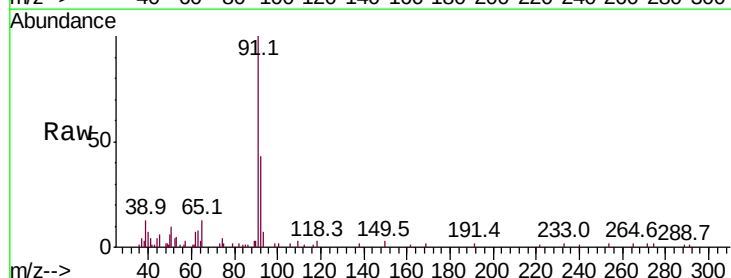
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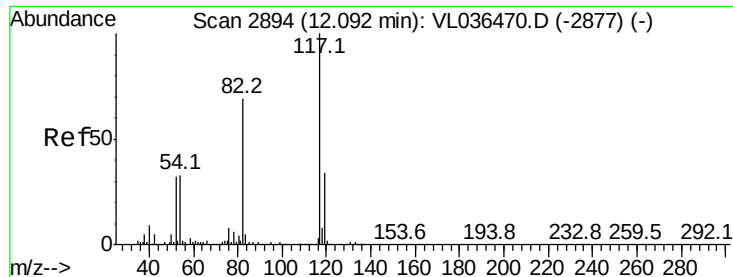
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#53
 Toluene
 Concen: 0.102 ppbv
 RT: 9.82 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VL036704.D
 Acq: 6 Apr 2021 19:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	67.0	48.8	73.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VL036704.D

Acq: 6 Apr 2021 19:10

Instrument :

MSVOA_L

ClientSampleID :

FS-OA-04DL

Tot Ion:117 Resp: 2673362

Ion Ratio Lower Upper

117 100

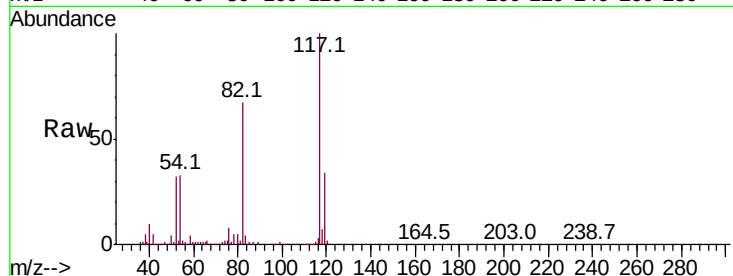
82 71.1 57.4 86.0

119 34.3 47.4 71.0#

Manual Integrations
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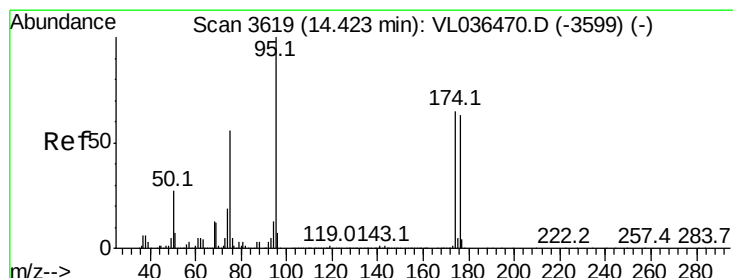
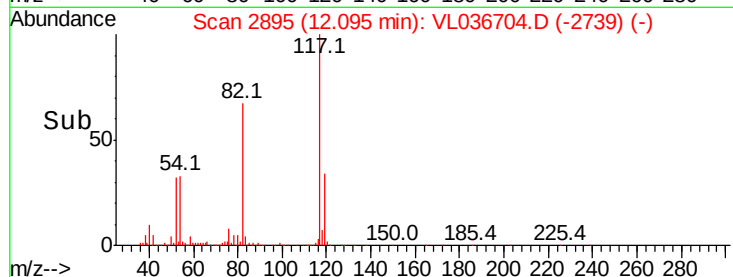
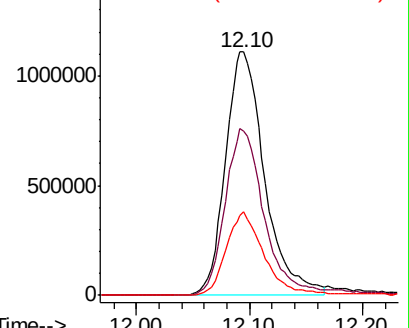
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.595 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.00 min

Lab File: VL036704.D

Acq: 6 Apr 2021 19:10

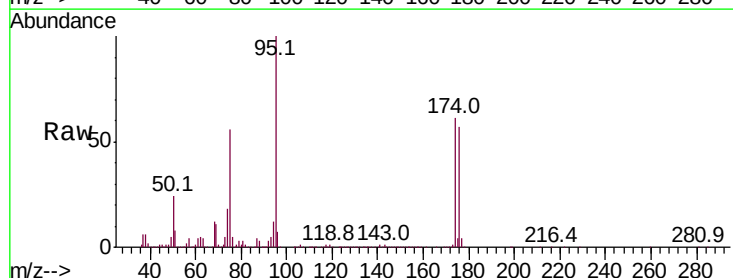
Tgt Ion: 95 Resp: 2044397

Ion Ratio Lower Upper

95 100

174 68.7 51.0 76.6

175 5.0 3.9 5.9



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

