

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL040521\
 Data File : VL036686.D
 Acq On : 5 Apr 2021 23:50
 Operator : SY/AP
 Sample : M1945-02DLDUP 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DLDUP

Manual Integrations
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 4/6/2021 5:14:12 PM

Quant Time: Apr 17 04:41:14 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	1270521	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3236582	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2997081	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2354619	9.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) Heptane	8.12	43	21091m	0.109	ppbv	
13) Ethanol	3.64	45	20602m	2.286	ppbv	
15) Acetone	3.85	43	385827m	3.085	ppbv	
20) Methylene Chloride	4.35	84	29957m	0.512	ppbv	
26) Hexane	5.69	57	289397	2.098	ppbv #	46
29) Chloroform	5.75	83	23030m	0.104	ppbv	
34) 2-Butanone	5.26	43	33451m	0.212	ppbv	
53) Toluene	9.81	91	66990	0.211	ppbv	95
58) Ethyl Benzene	12.72	91	49549m	0.114	ppbv	
59) m/p-Xylene	12.97	91	106676m	0.280	ppbv	
60) o-Xylene	13.70	91	54804m	0.149	ppbv	

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

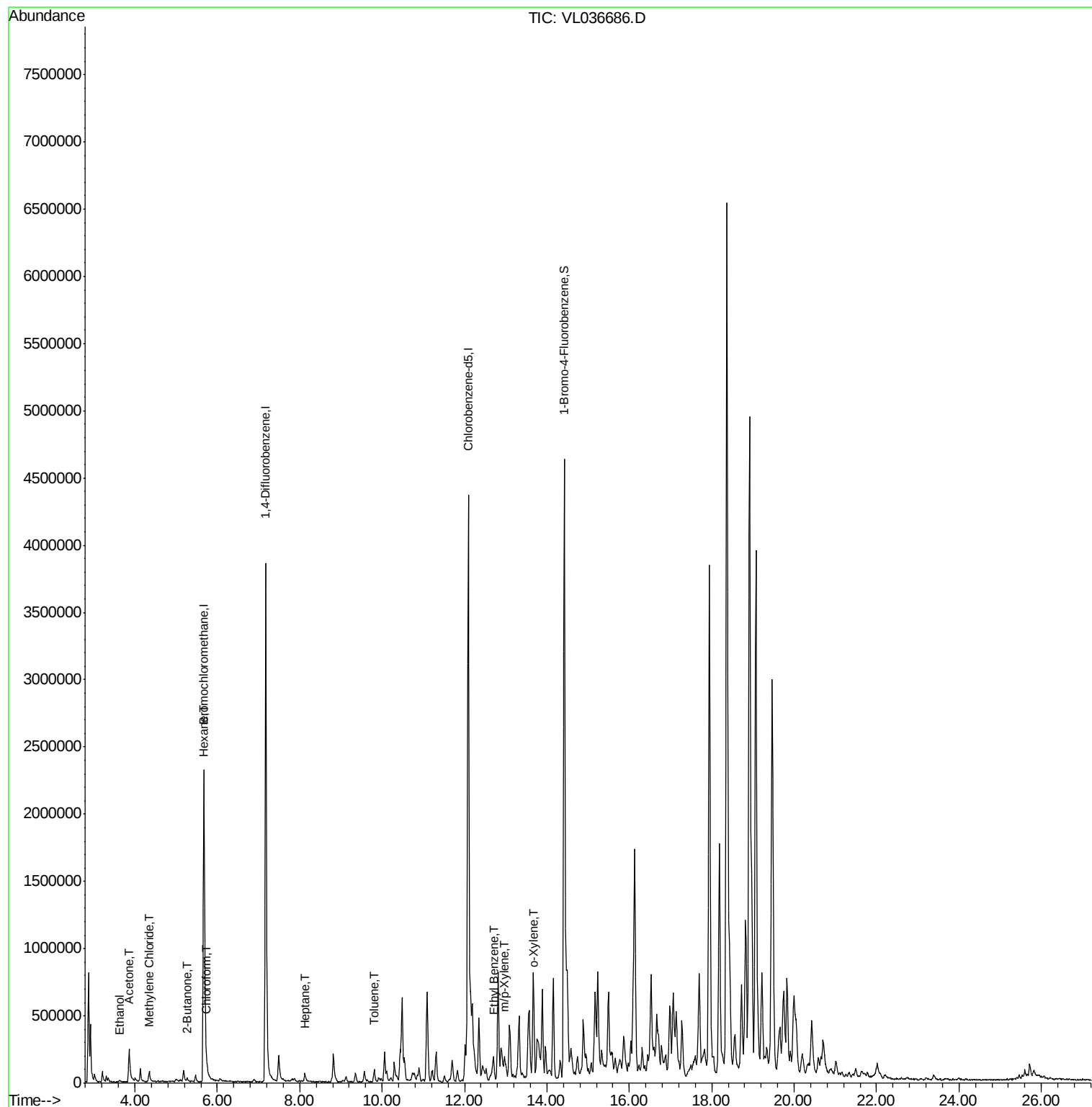
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL040521\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL036686.D

Acq: 5 Apr 2021 23:50

Instrument :

MSVOA_L

ClientSampleId :

SV2DLDUP

Tot Ion: 49 Resp: 1270521

Ion Ratio Lower Upper

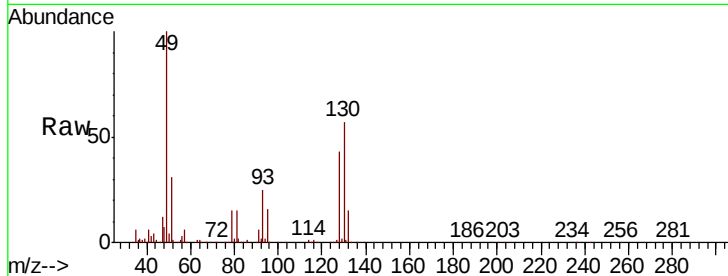
49 100

128 48.3 23.5 70.6

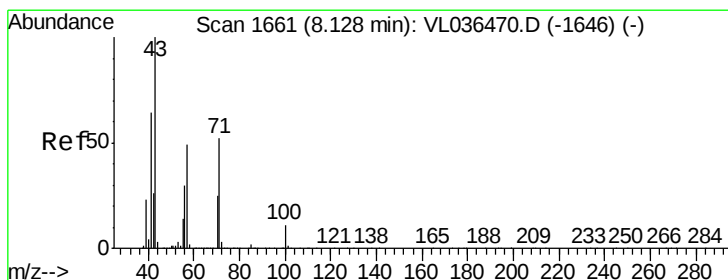
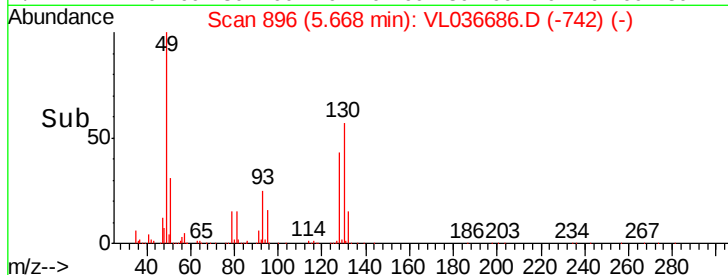
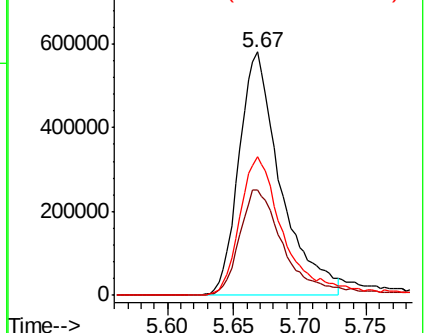
130 61.6 29.1 87.4

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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



#10

Heptane

Concen: 0.109 ppbv m

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL036686.D

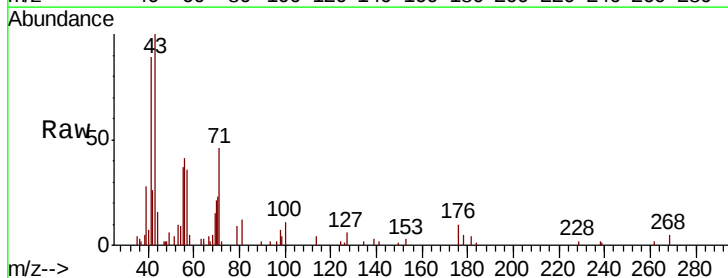
Acq: 5 Apr 2021 23:50

Tgt Ion: 43 Resp: 21091

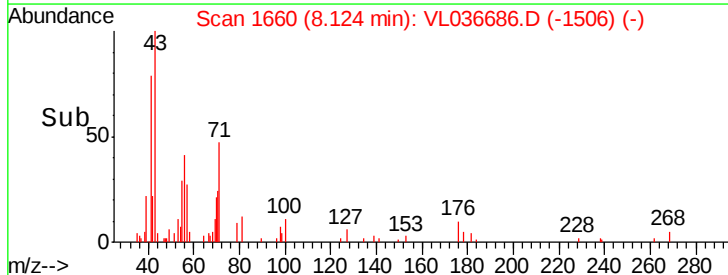
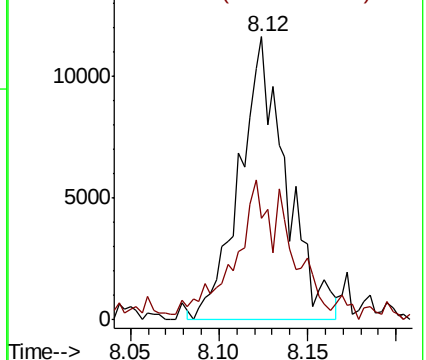
Ion Ratio Lower Upper

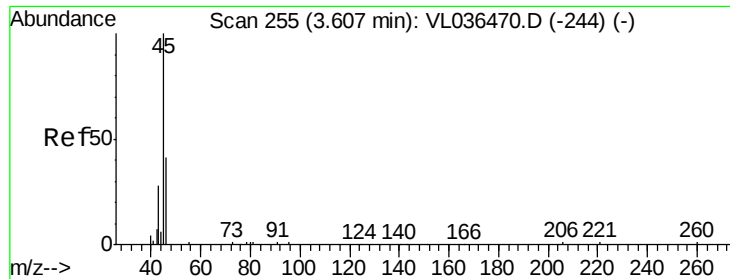
43 100

57 62.2 39.0 58.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





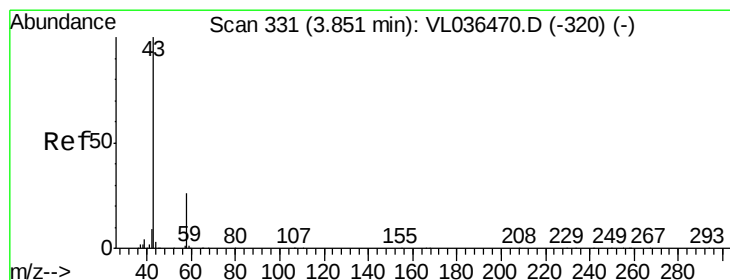
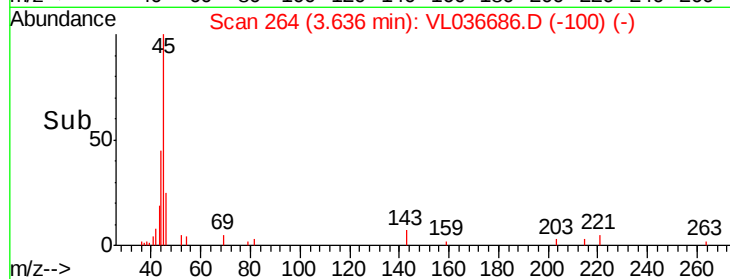
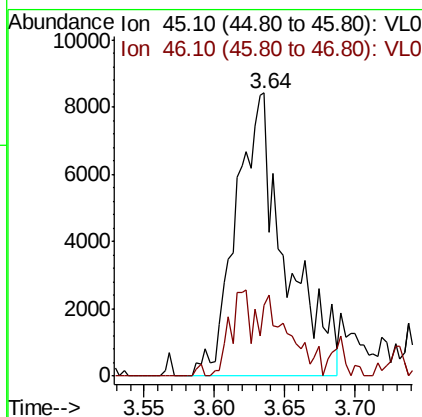
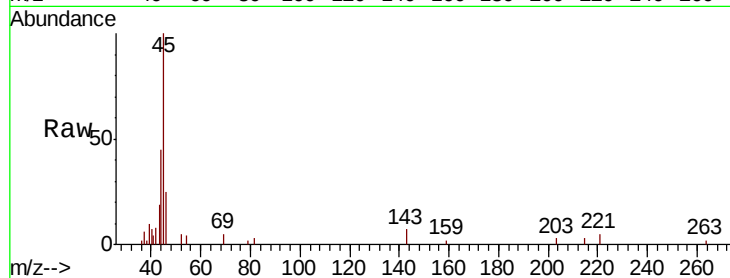
#13
Ethanol
Concen: 2.286 ppbv m
RT: 3.64 min Scan# 264
Delta R.T. 0.03 min
Lab File: VL036686.D
Acq: 5 Apr 2021 23:50

Instrument :
MSVOA_L
ClientSampleId :
SV2DLDUP

Tot Ion: 45 Resp: 20602
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.2#

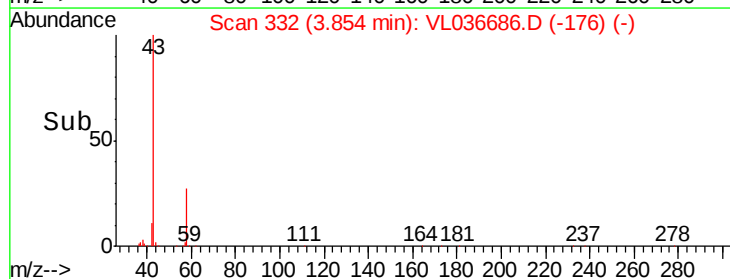
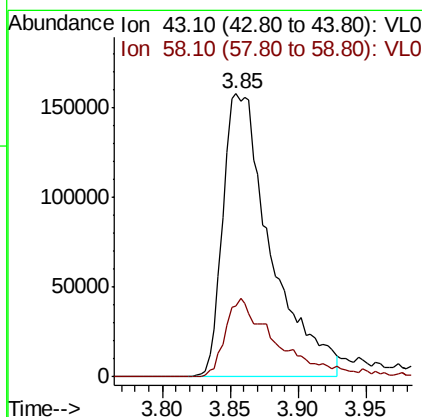
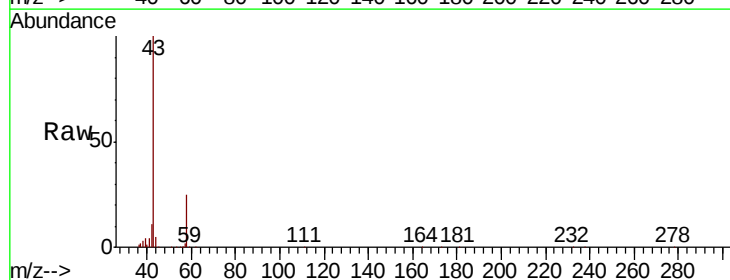
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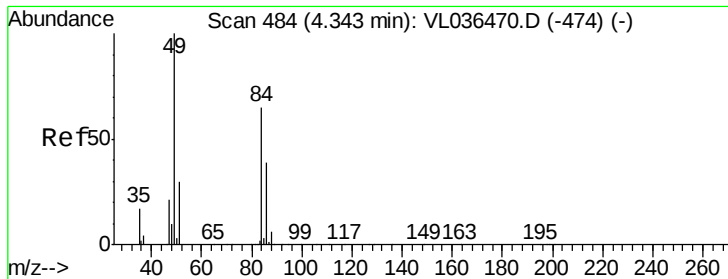
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#15
Acetone
Concen: 3.085 ppbv m
RT: 3.85 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL036686.D
Acq: 5 Apr 2021 23:50

Tgt Ion: 43 Resp: 385827
Ion Ratio Lower Upper
43 100
58 31.1 21.2 31.8





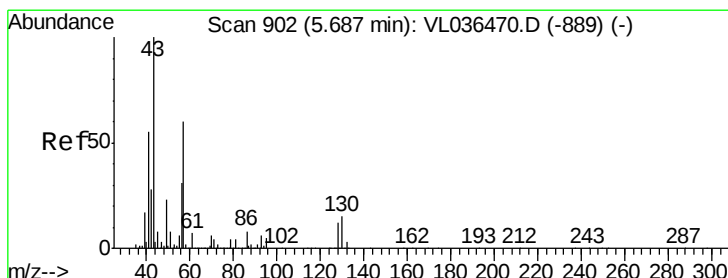
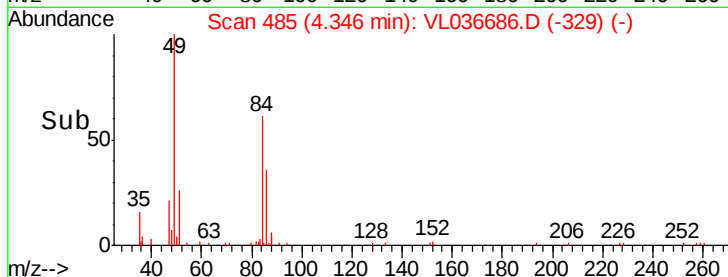
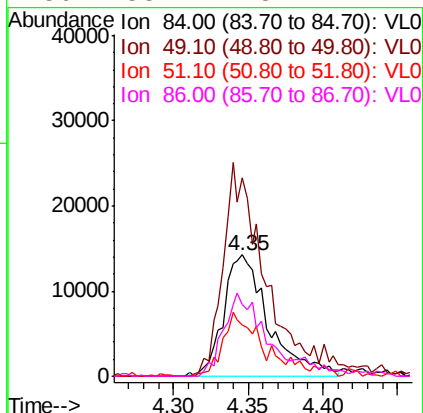
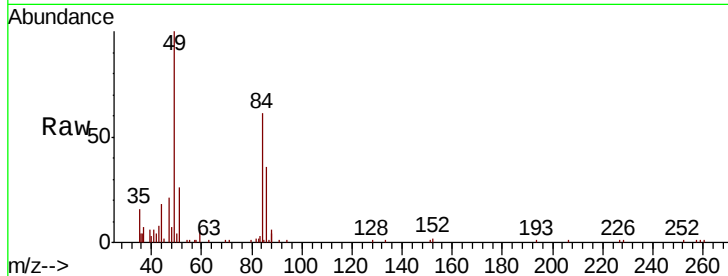
#20
Methylene Chloride
Concen: 0.512 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.00 min
Lab File: VL036686.D
Acq: 5 Apr 2021 23:50

Instrument :
MSVOA_L
ClientSampleId :
SV2DLDUP

Tot Ion	84	Resp	29957
Ion	Ratio	Lower	Upper
84	100		
49	164.2	122.9	184.3
51	42.3	36.9	55.3
86	58.7	48.2	72.4

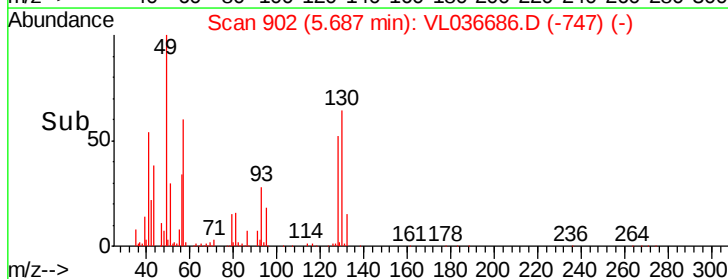
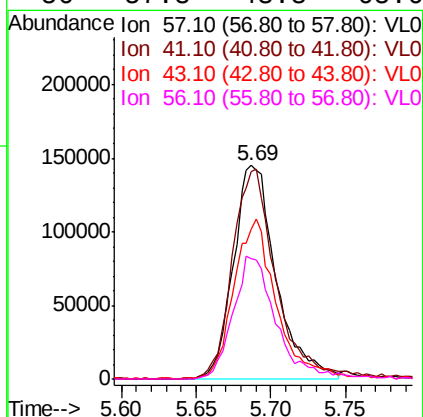
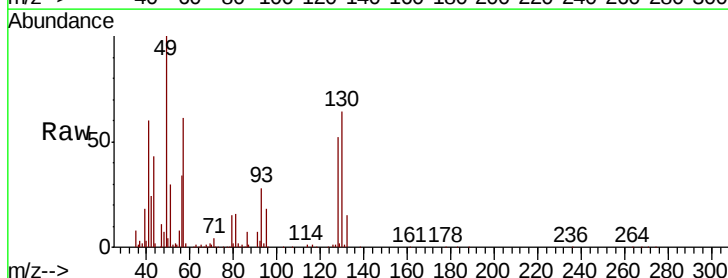
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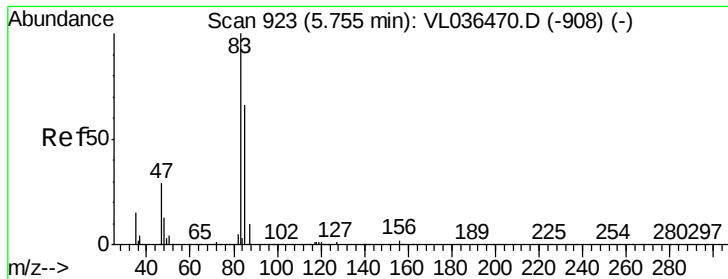
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#26
Hexane
Concen: 2.098 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL036686.D
Acq: 5 Apr 2021 23:50

Tgt Ion	57	Resp	289397
Ion	Ratio	Lower	Upper
57	100		
41	100.9	77.2	115.8
43	75.3	173.8	260.6#
56	57.8	43.8	65.6





#29

Chloroform

Concen: 0.104 ppbv m

RT: 5.75 min Scan# 921

Delta R.T. -0.01 min

Lab File: VL036686.D

Acq: 5 Apr 2021 23:50

Instrument :

MSVOA_L

ClientSampled :

SV2DLDUP

Tot Ion: 83 Resp: 23030

Ion Ratio Lower Upper

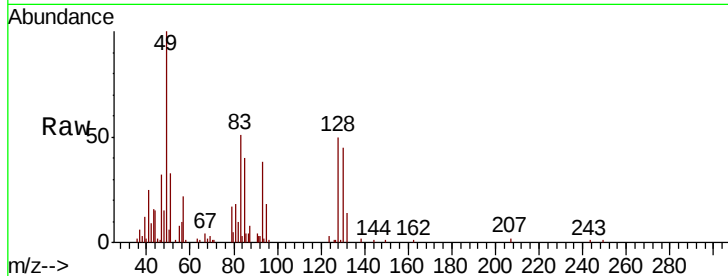
83 100

85 79.4 52.6 78.8#

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

12000

10000

8000

6000

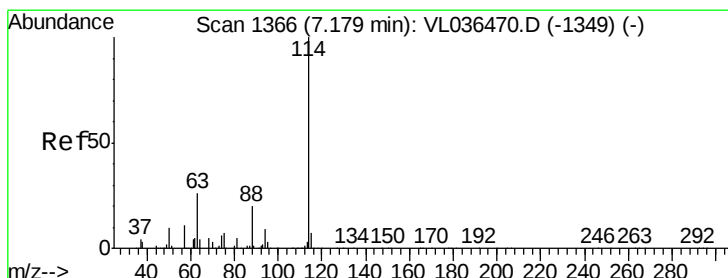
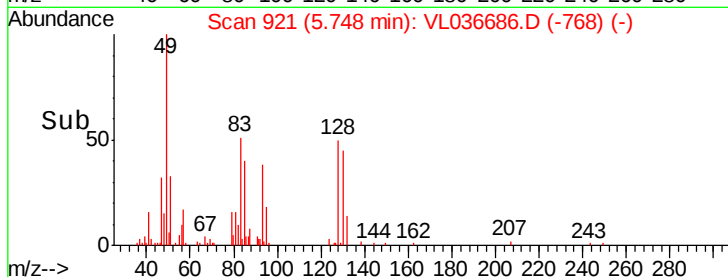
4000

2000

0

5.70 5.75 5.80 5.85

Time-->



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VL036686.D

Acq: 5 Apr 2021 23:50

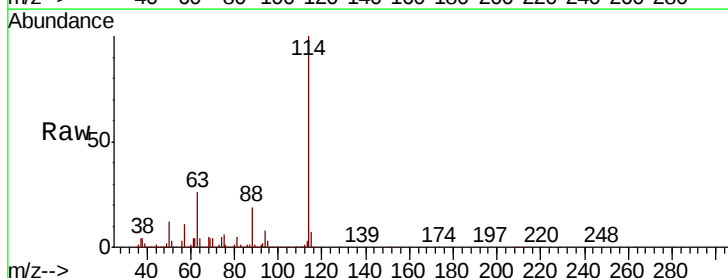
Tgt Ion: 114 Resp: 3236582

Ion Ratio Lower Upper

114 100

63 26.8 22.4 33.6

88 18.5 15.4 23.0



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

2000000

1500000

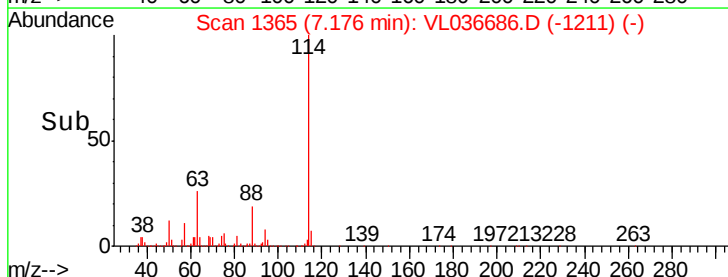
1000000

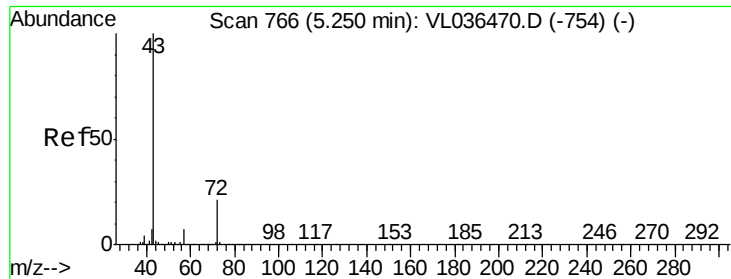
500000

0

7.10 7.20 7.30

Time-->





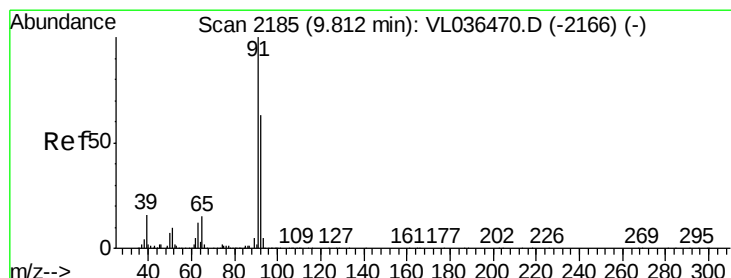
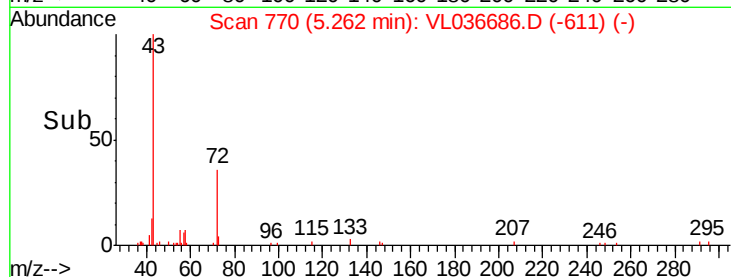
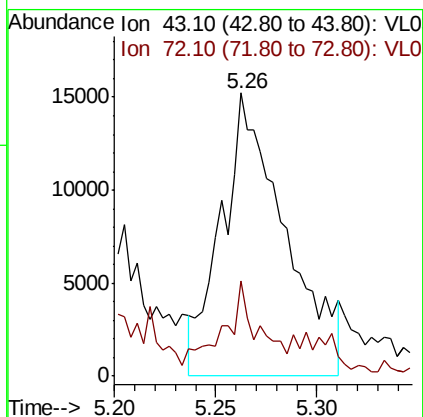
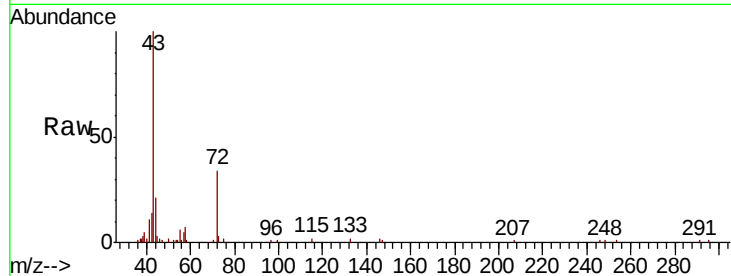
#34
2-Butanone
Concen: 0.212 ppbv m
RT: 5.26 min Scan# 770
Delta R.T. 0.01 min
Lab File: VL036686.D
Acq: 5 Apr 2021 23:50

Instrument :
MSVOA_L
ClientSampleId :
SV2DLDUP

Tot Ion: 43 Resp: 33451
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.6#

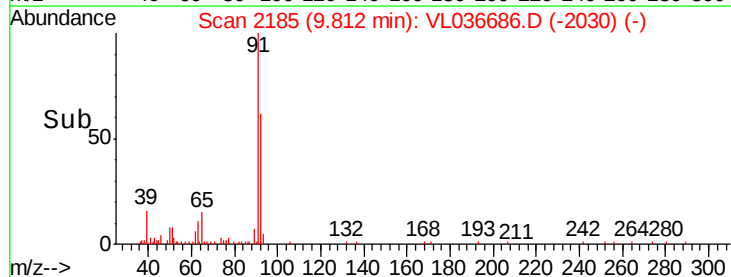
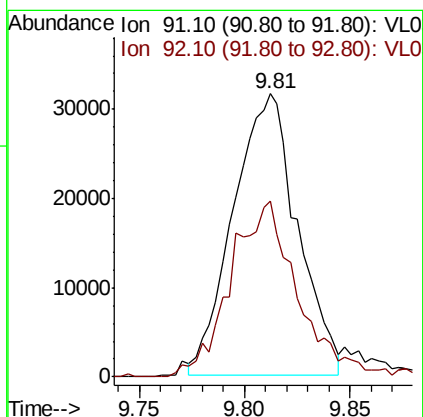
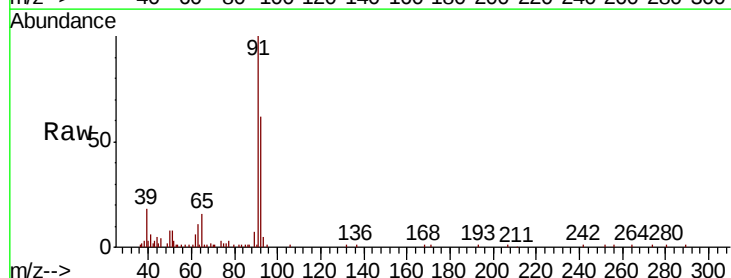
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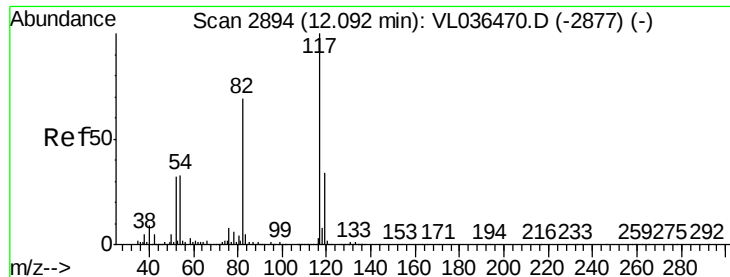
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#53
Toluene
Concen: 0.211 ppbv
RT: 9.81 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VL036686.D
Acq: 5 Apr 2021 23:50

Tgt Ion: 91 Resp: 66990
Ion Ratio Lower Upper
91 100
92 64.7 48.8 73.2





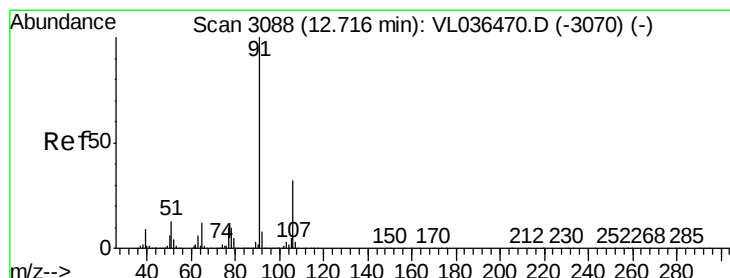
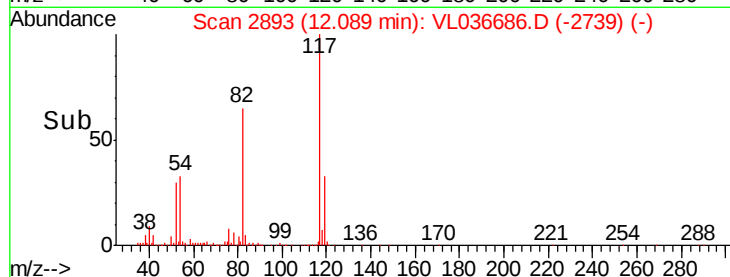
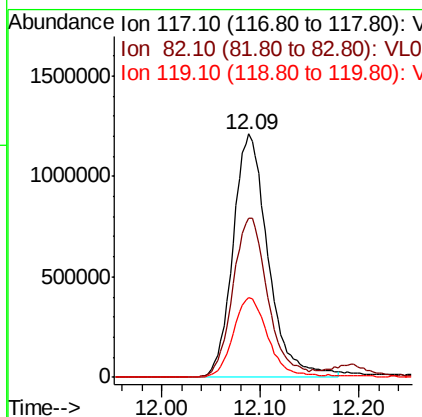
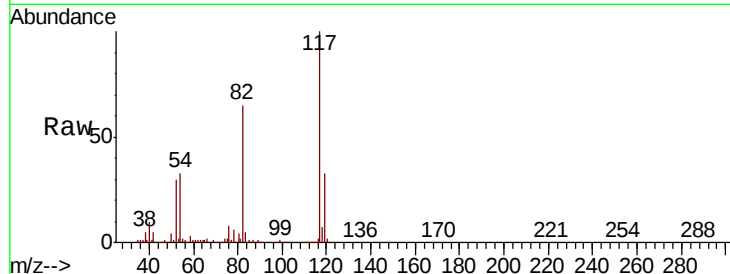
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL036686.D
Acq: 5 Apr 2021 23:50

Instrument :
MSVOA_L
ClientSampleId :
SV2DLDUP

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.9	57.4	86.0
119	33.8	47.4	71.0#

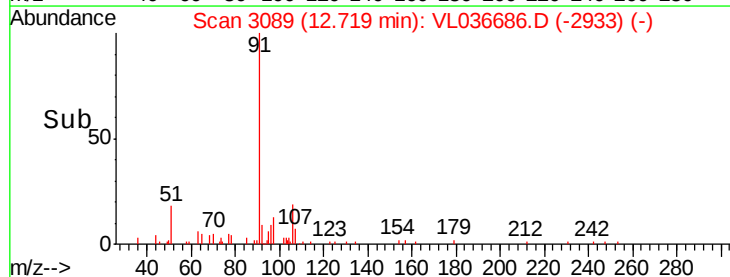
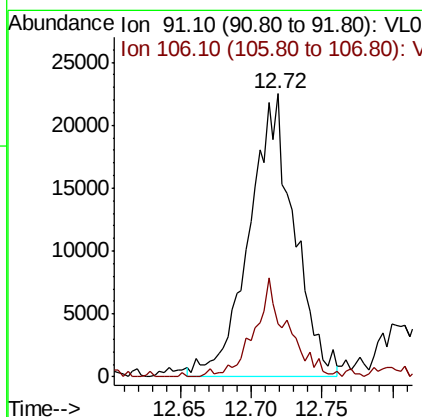
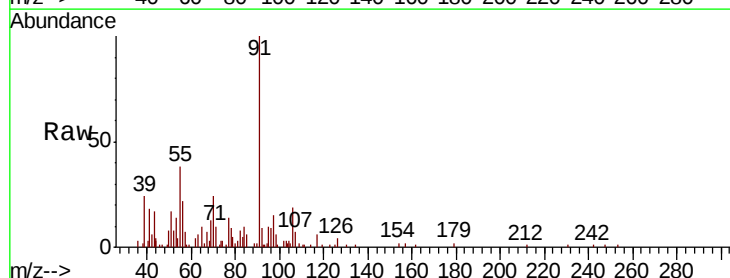
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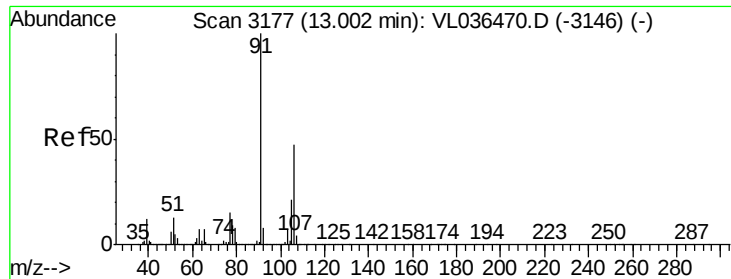
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#58
Ethyl Benzene
Concen: 0.114 ppbv m
RT: 12.72 min Scan# 3089
Delta R.T. 0.00 min
Lab File: VL036686.D
Acq: 5 Apr 2021 23:50

Tgt Ion	Ratio	Lower	Upper
91	100		
106	18.7	25.3	37.9#





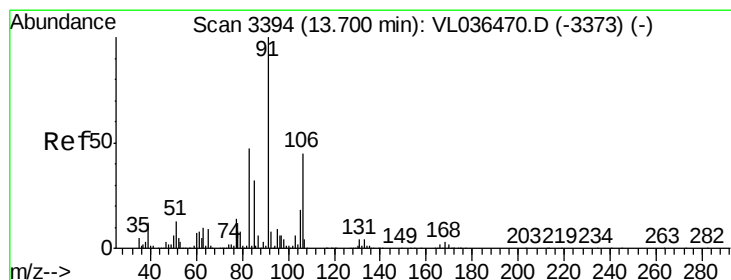
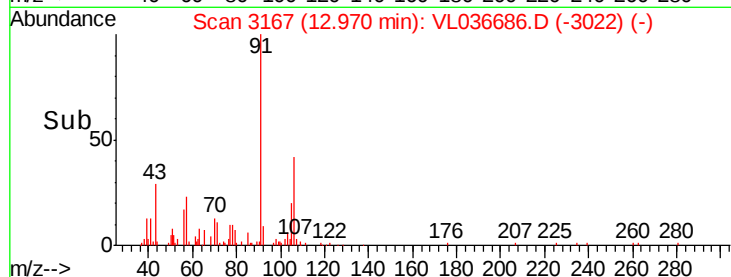
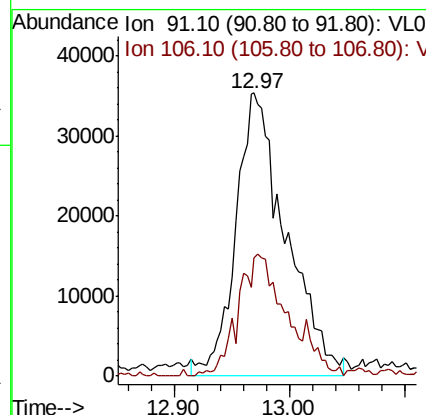
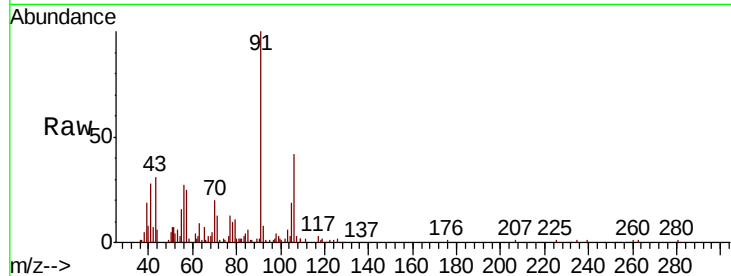
#59
m/p-Xylene
Concen: 0.280 ppbv m
RT: 12.97 min Scan# 3167
Delta R.T. -0.03 min
Lab File: VL036686.D
Acq: 5 Apr 2021 23:50

Instrument :
MSVOA_L
ClientSampleId :
SV2DLDUP

Tot Ion: 91 Resp: 106676
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#

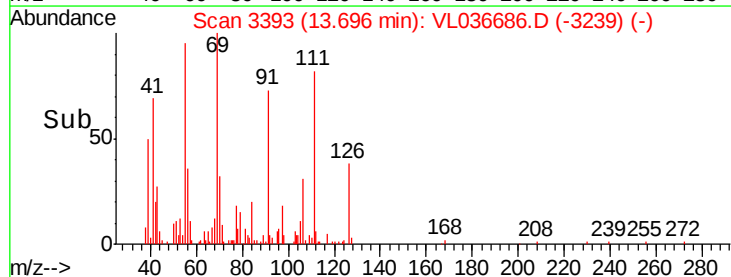
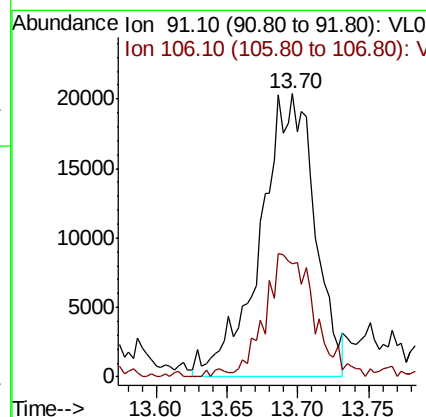
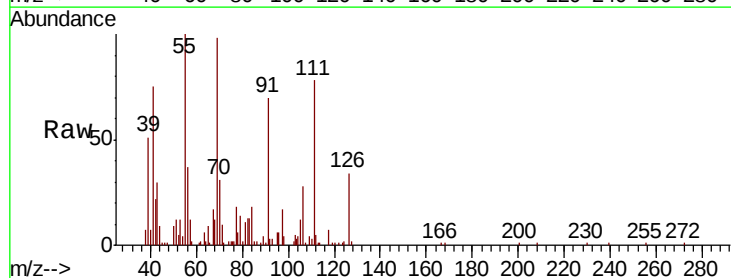
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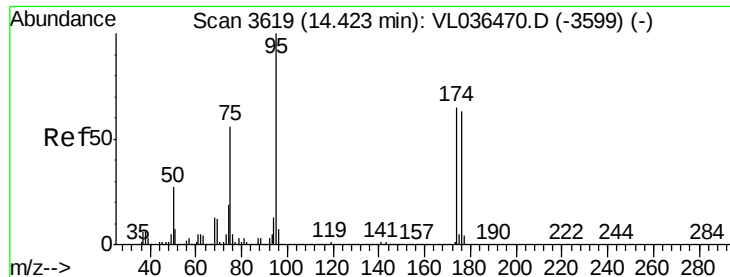
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#60
o-Xylene
Concen: 0.149 ppbv m
RT: 13.70 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL036686.D
Acq: 5 Apr 2021 23:50

Tgt Ion: 91 Resp: 54804
Ion Ratio Lower Upper
91 100
106 1.6 22.3 66.9#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.857 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. -0.00 min
 Lab File: VL036686.D
 Acq: 5 Apr 2021 23:50

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DLDUP

Tot Ion	Ratio	Lower	Upper
95	100		
174	67.8	51.0	76.6
175	5.0	3.9	5.9

Manual Integrations
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