

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060821\
 Data File : VL037135.D
 Acq On : 8 Jun 2021 16:59
 Operator : SY/AP
 Sample : M2614-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-4CDL

Manual Integrations
 APPROVED

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 6/9/2021 4:23:40 PM

Quant Time: Jun 09 01:56:28 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1330413	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	3893949	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	3492630	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2630241	10.02	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	101893	0.418	ppbv	95
9) Propene	3.01	41	29311m	0.336	ppbv	
13) Ethanol	3.60	45	1679532	144.229	ppbv	97
15) Acetone	3.86	43	230629	1.692	ppbv #	85
19) Isopropyl Alcohol	3.97	45	349288	4.768	ppbv #	38
20) Methylene Chloride	4.35	84	139670m	1.912	ppbv	
25) Ethyl Acetate	5.68	43	227516	0.695	ppbv #	94
34) 2-Butanone	5.25	43	33987m	0.240	ppbv	
36) Benzene	6.88	78	125762	0.375	ppbv	97
53) Toluene	9.79	91	49795m	0.125	ppbv	

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

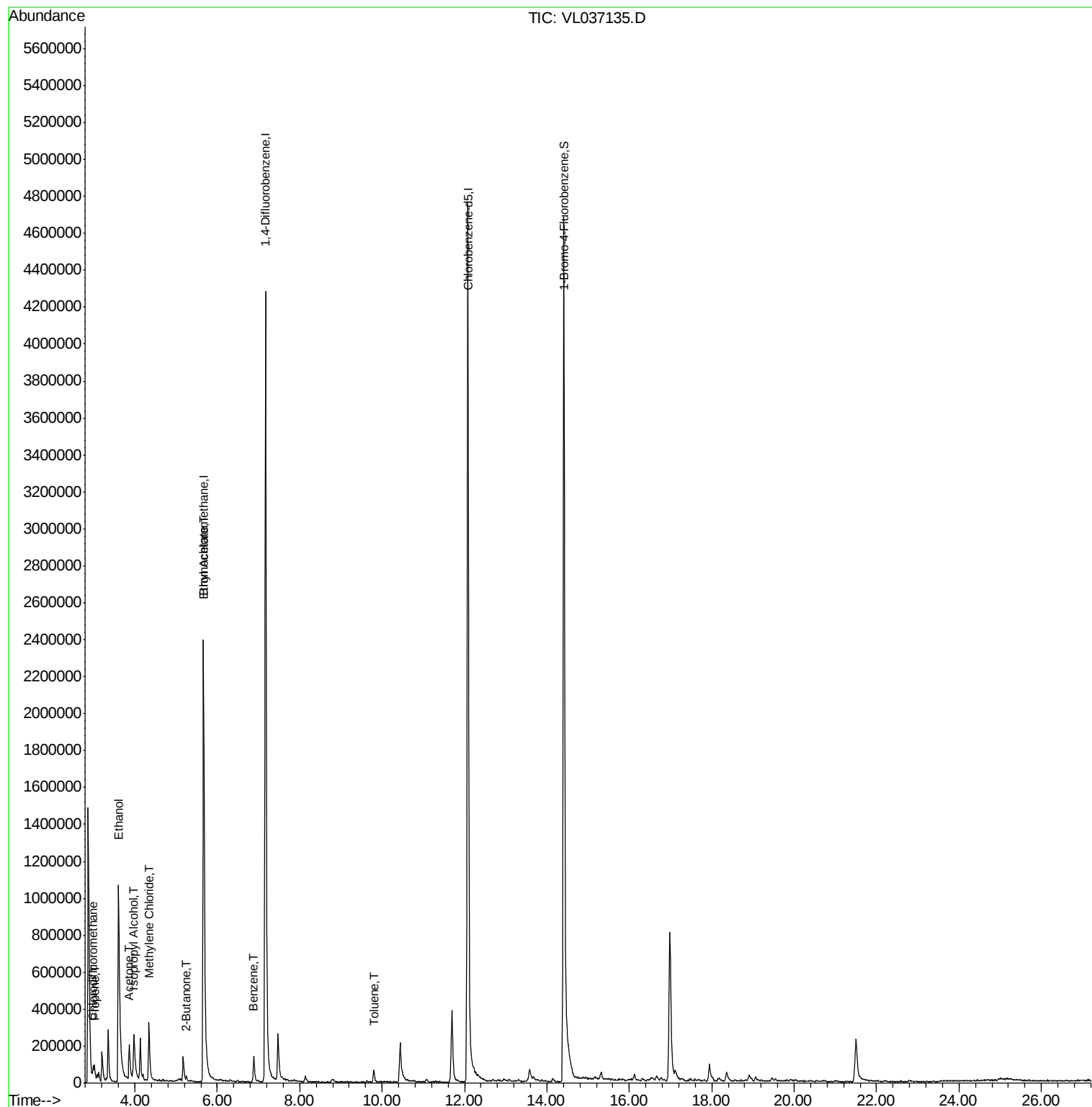
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060821\
Data File : VL037135.D
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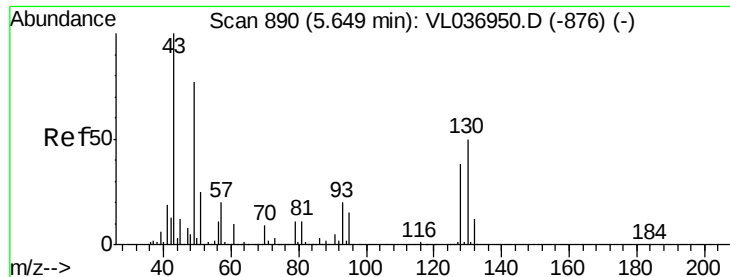
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Jun 09 01:56:28 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.02 min

Lab File: VL037135.D

Acq: 8 Jun 2021 16:59

Instrument :

MSVOA_L

ClientSampleId :

SR-4CDL

Tot Ion: 49 Resp: 1330413

Ion Ratio Lower Upper

49 100

128 56.8 26.9 80.7

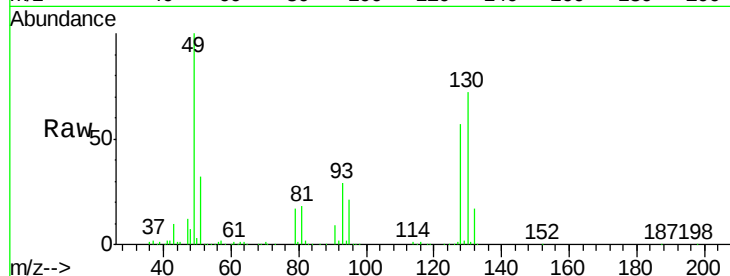
130 72.9 33.8 101.4

Manual Integrations

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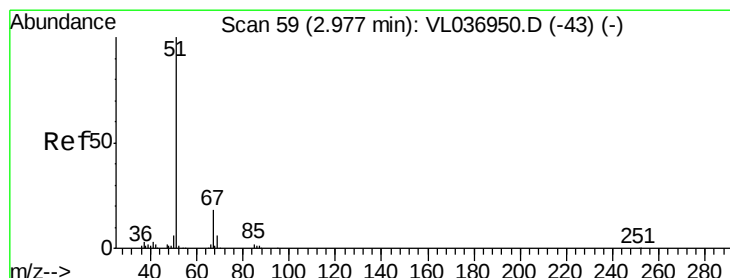
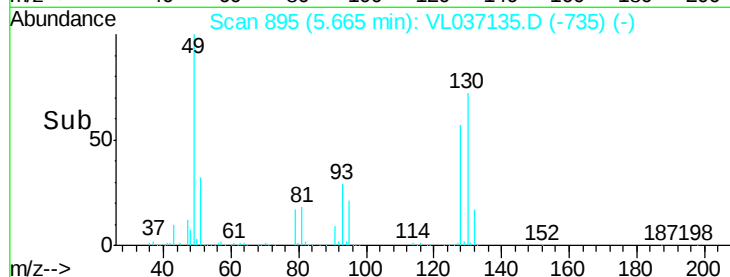
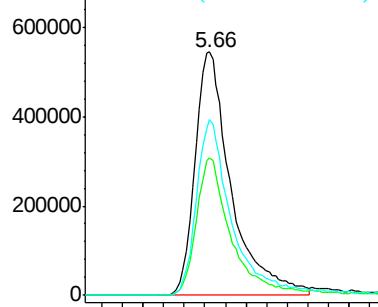
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.418 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.01 min

Lab File: VL037135.D

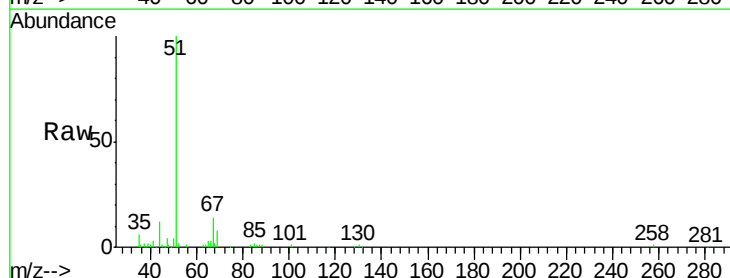
Acq: 8 Jun 2021 16:59

Tgt Ion: 51 Resp: 101893

Ion Ratio Lower Upper

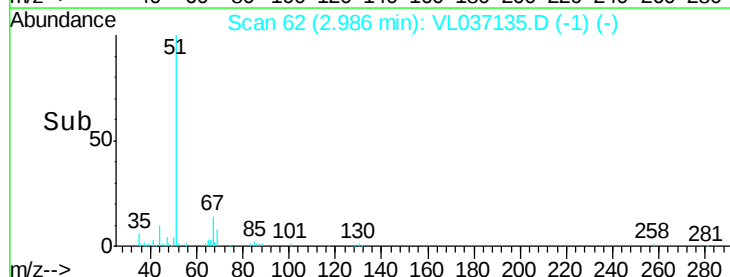
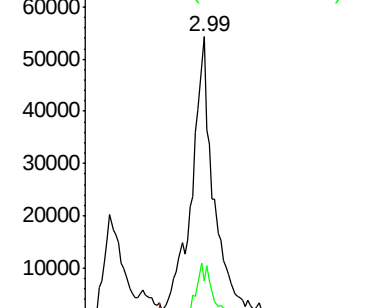
51 100

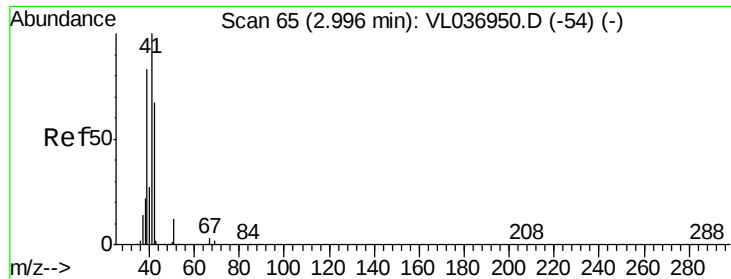
67 16.0 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.336 ppbv m

RT: 3.01 min Scan# 70

Delta R.T. 0.02 min

Lab File: VL037135.D

Acq: 8 Jun 2021 16:59

Instrument :

MSVOA_L

ClientSampleId :

SR-4CDL

Tot Ion: 41 Resp: 29311

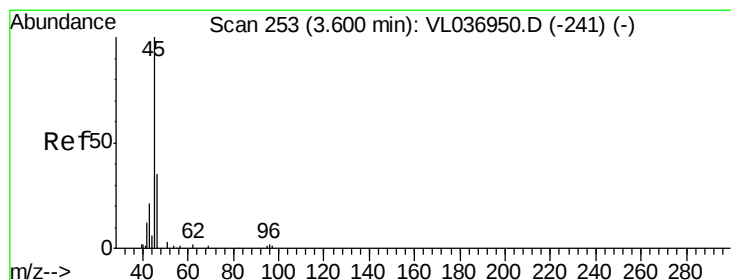
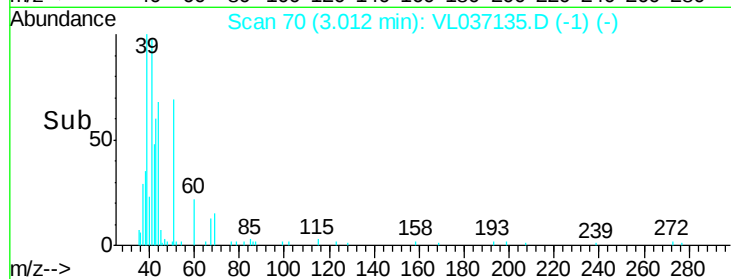
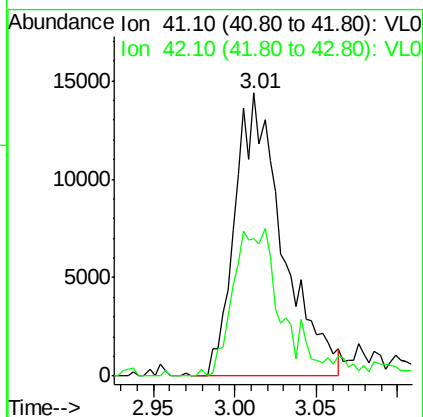
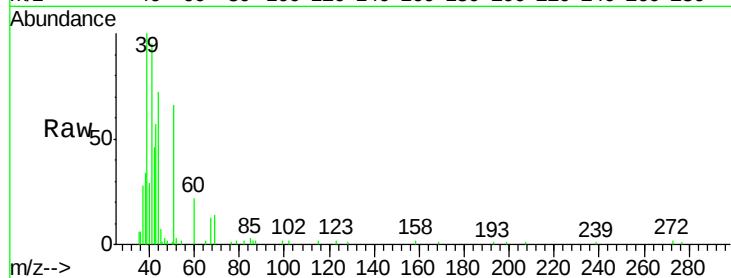
Ion Ratio Lower Upper

41 100

42 7.1 53.9 80.9#

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#13

Ethanol

Concen: 144.229 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.00 min

Lab File: VL037135.D

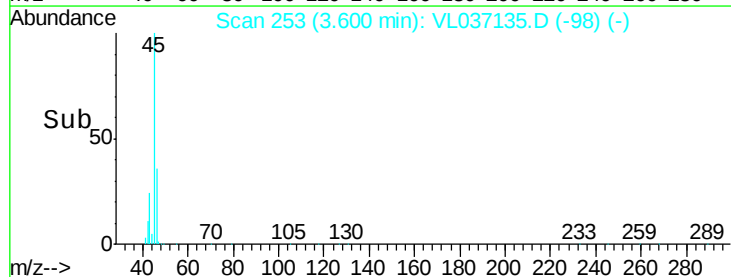
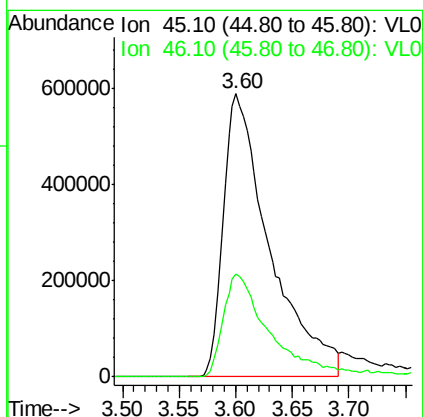
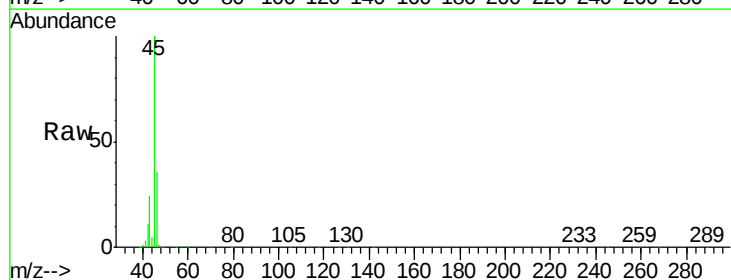
Acq: 8 Jun 2021 16:59

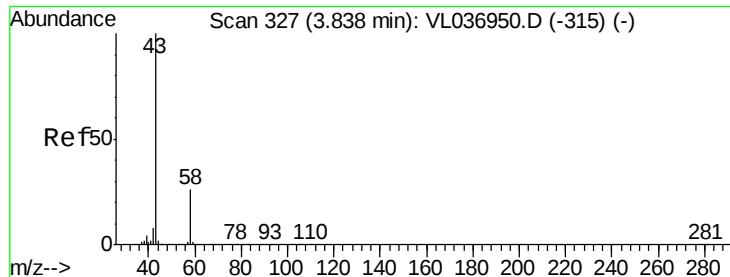
Tgt Ion: 45 Resp: 1679532

Ion Ratio Lower Upper

45 100

46 38.9 16.3 65.3





#15

Acetone

Concen: 1.692 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.02 min

Lab File: VL037135.D

Acq: 8 Jun 2021 16:59

Instrument :

MSVOA_L

ClientSampleId :

SR-4CDL

Tot Ion: 43 Resp: 230629

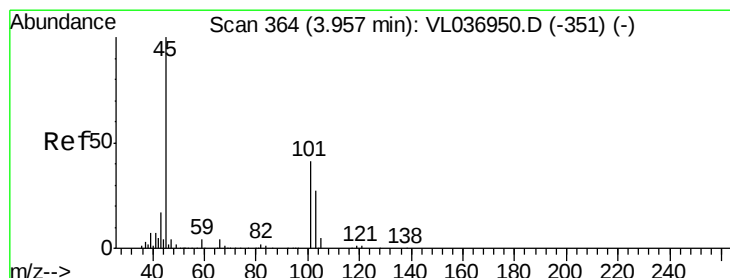
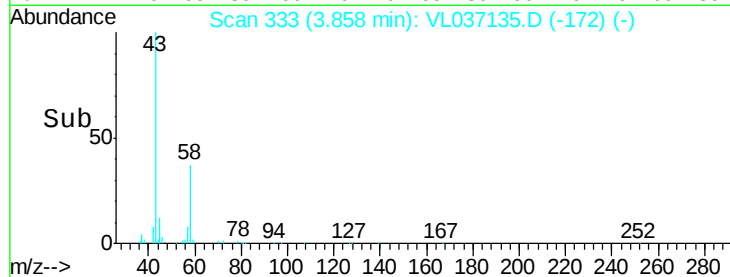
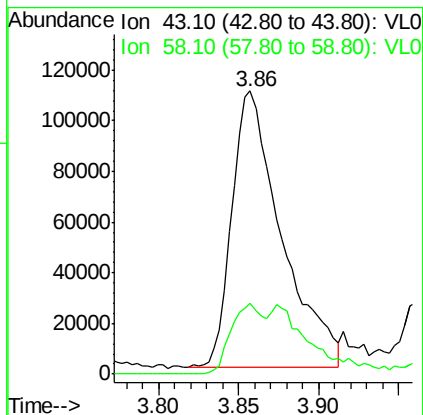
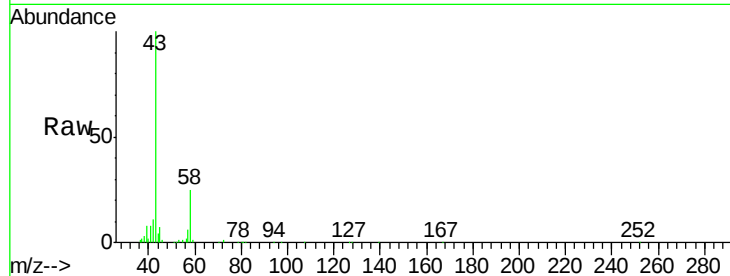
Ion Ratio Lower Upper

43 100

58 38.2 24.0 36.0#

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#19

Isopropyl Alcohol

Concen: 4.768 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.02 min

Lab File: VL037135.D

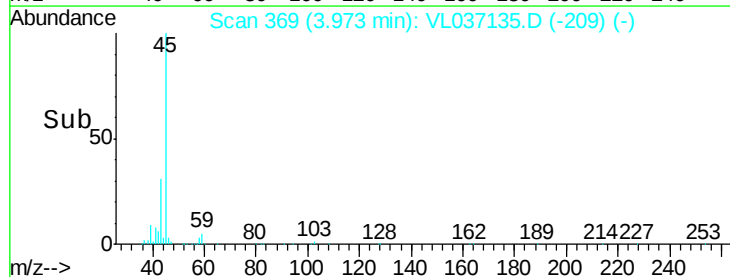
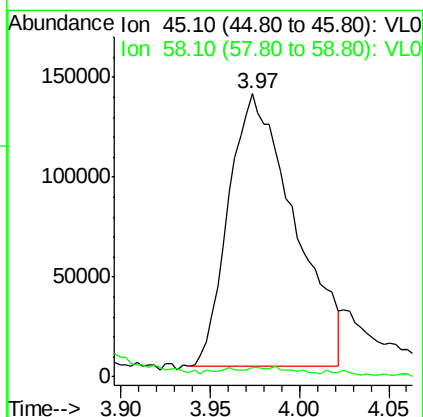
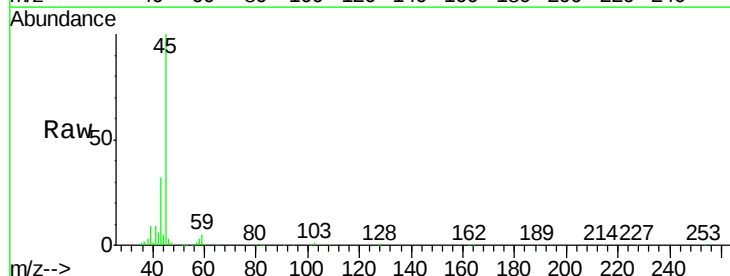
Acq: 8 Jun 2021 16:59

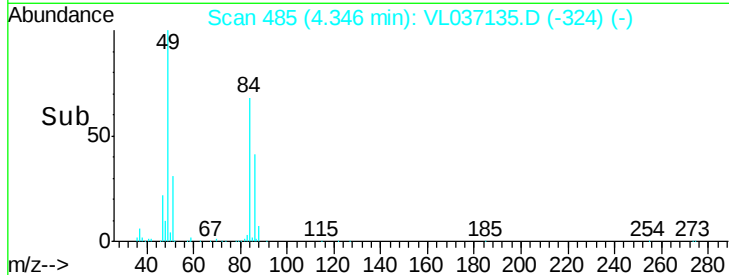
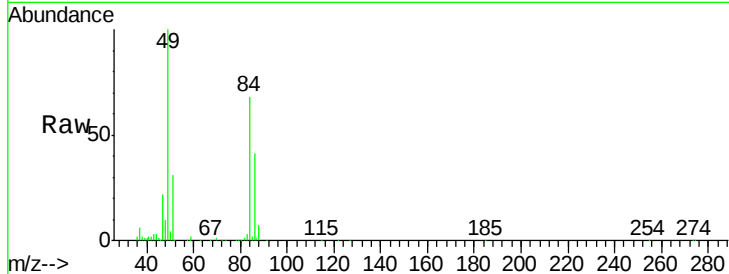
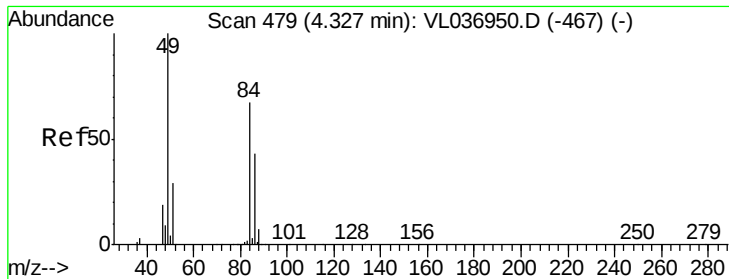
Tgt Ion: 45 Resp: 349288

Ion Ratio Lower Upper

45 100

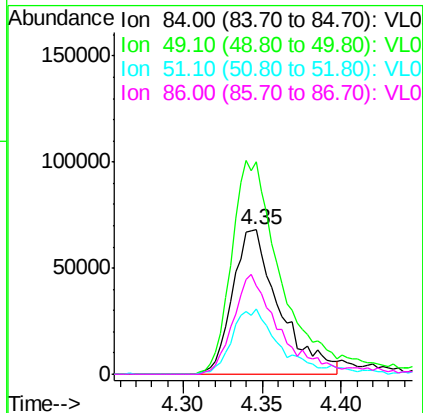
58 5.4 37.2 55.8#





#20
Methylene Chloride
Concen: 1.912 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.02 min
Lab File: VL037135.D
Acq: 8 Jun 2021 16:59

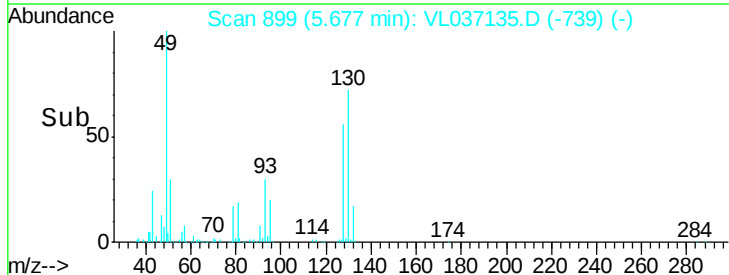
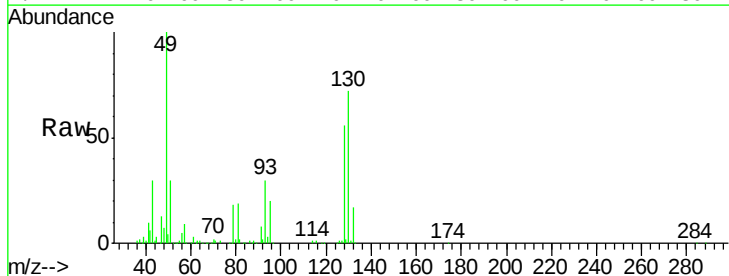
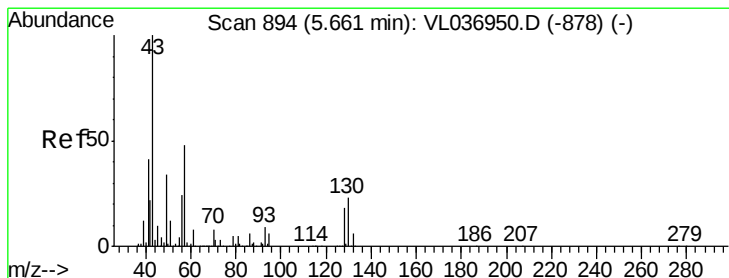
Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	147.0	119.8	179.6	
51	45.3	35.1	52.7	
86	60.8	50.9	76.3	



Instrument :
MSVOA_L
ClientSampleId :
SR-4CDL

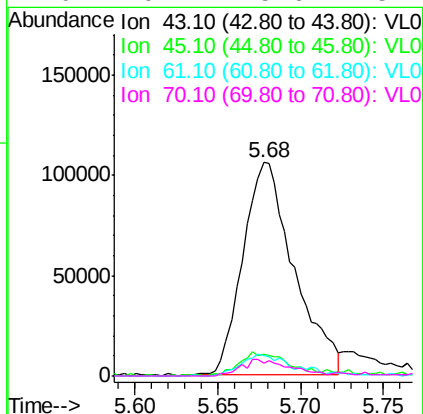
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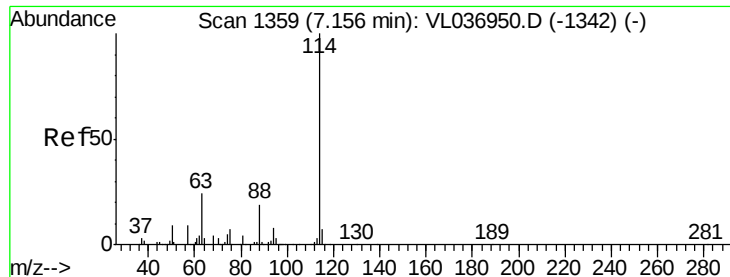
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#25
Ethyl Acetate
Concen: 0.695 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.02 min
Lab File: VL037135.D
Acq: 8 Jun 2021 16:59

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
45	12.5	7.8	11.8#	
61	11.6	7.8	11.8	
70	9.1	5.6	8.4#	





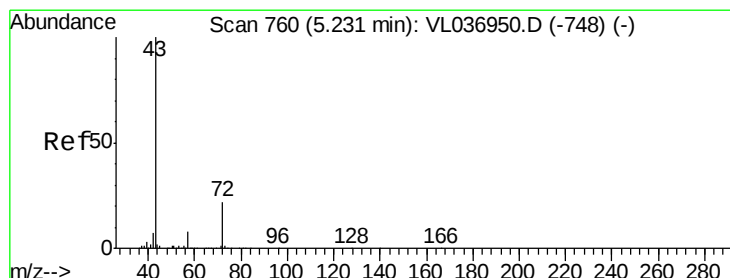
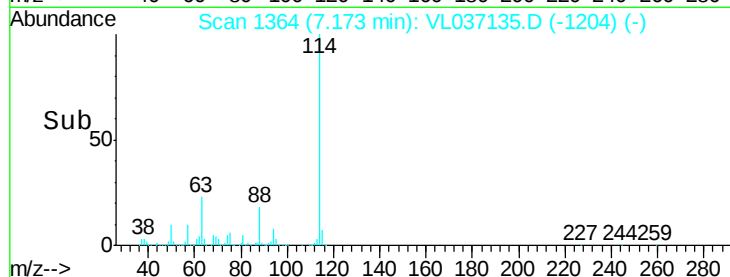
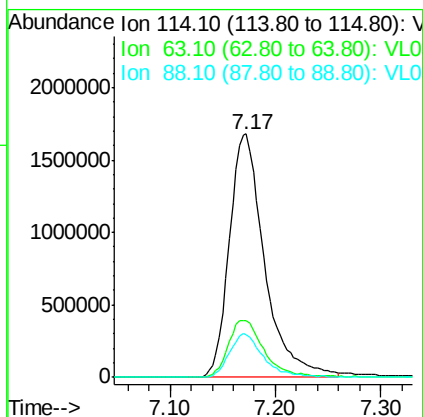
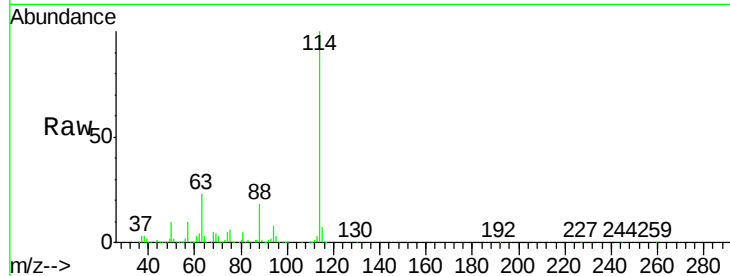
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.02 min
 Lab File: VL037135.D
 Acq: 8 Jun 2021 16:59

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-4CDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.6	29.4
88	17.5	14.6	21.8

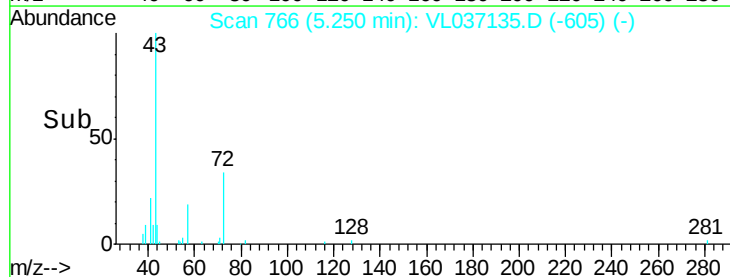
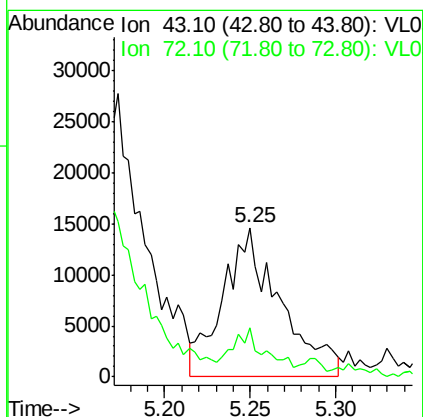
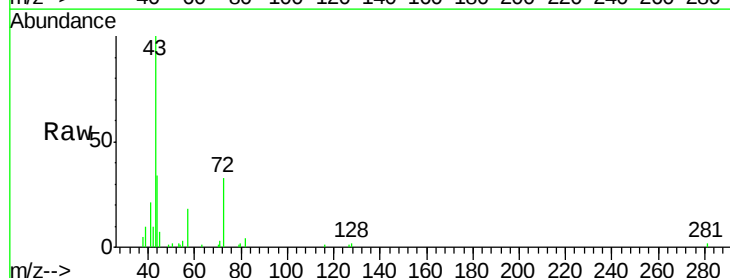
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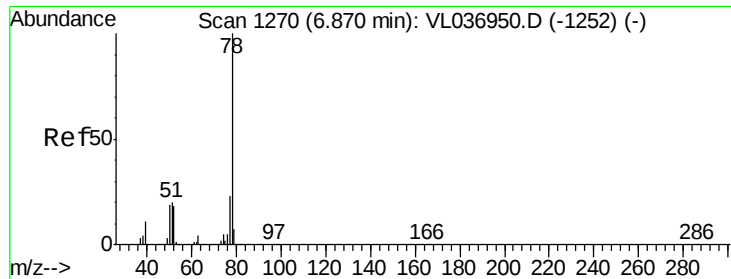
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#34
 2-Butanone
 Concen: 0.240 ppbv m
 RT: 5.25 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VL037135.D
 Acq: 8 Jun 2021 16:59

Tgt Ion	Ratio	Lower	Upper
43	100		
72	30.4	19.0	28.4#





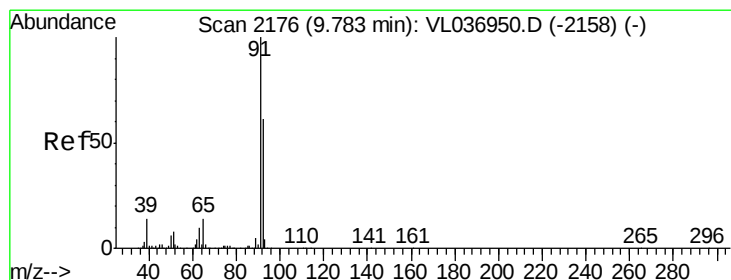
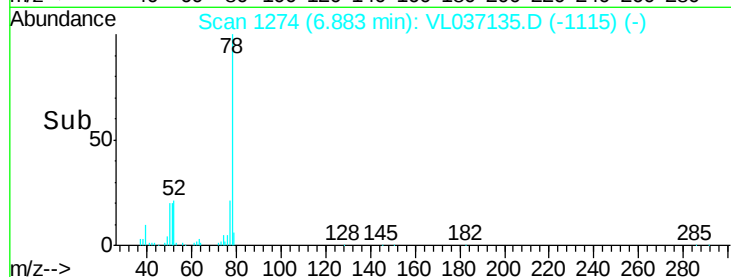
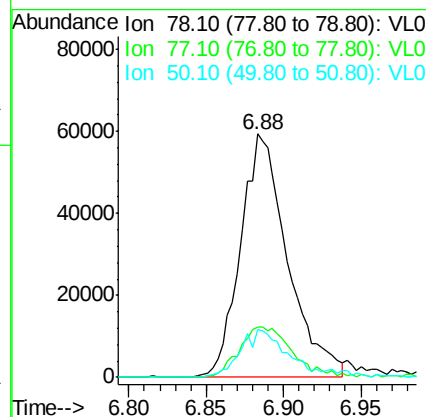
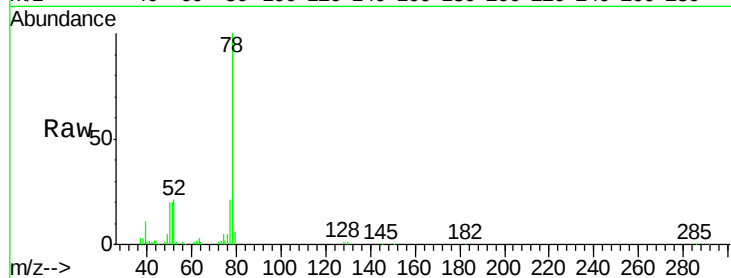
#36
Benzene
Concen: 0.375 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VL037135.D
Acq: 8 Jun 2021 16:59

Instrument :
MSVOA_L
ClientSampleId :
SR-4CDL

Tot Ion:	78	Resp:	125762
Ion Ratio	Lower	Upper	
78	100		
77	20.8	18.6	28.0
50	19.2	15.0	22.4

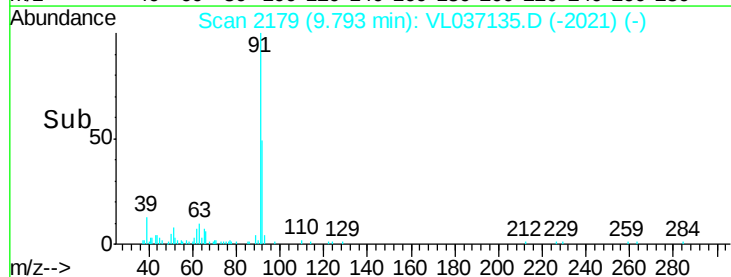
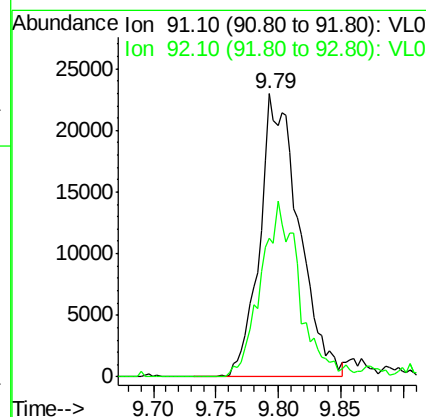
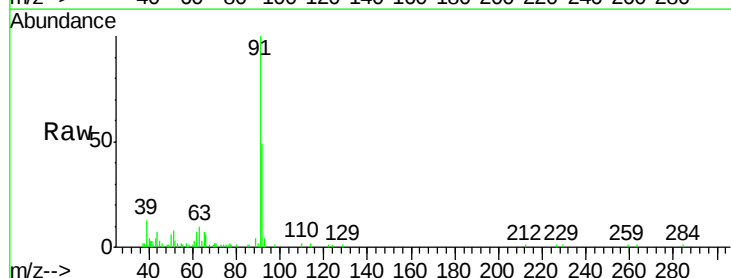
Manual Integrations
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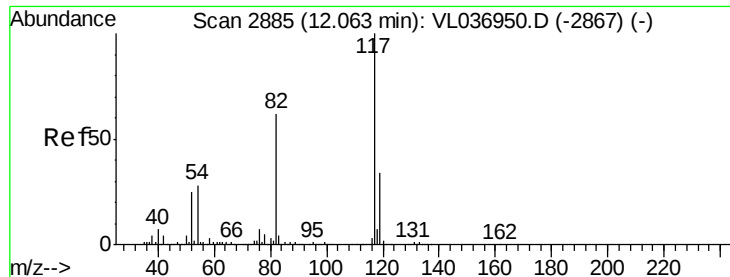
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#53
Toluene
Concen: 0.125 ppbv m
RT: 9.79 min Scan# 2179
Delta R.T. 0.01 min
Lab File: VL037135.D
Acq: 8 Jun 2021 16:59

Tgt Ion:	91	Resp:	49795
Ion Ratio	Lower	Upper	
91	100		
92	64.8	49.5	74.3





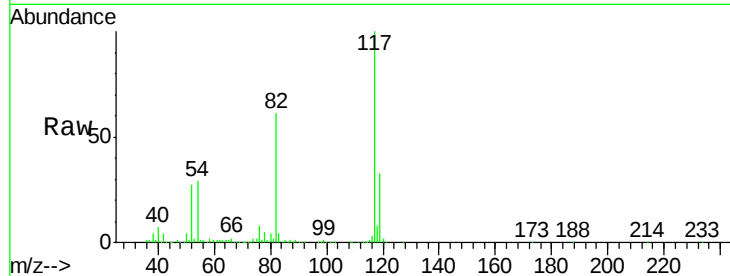
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. 0.02 min
Lab File: VL037135.D
Acq: 8 Jun 2021 16:59

Instrument :
MSVOA_L
ClientSampleId :
SR-4CDL

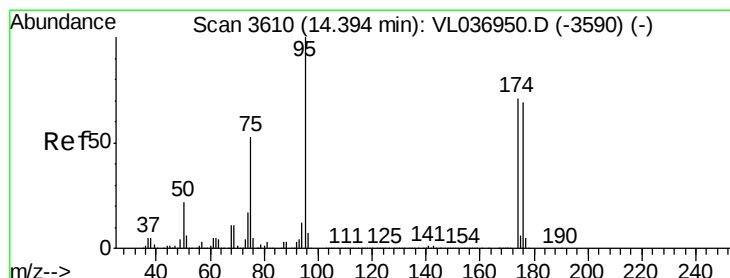
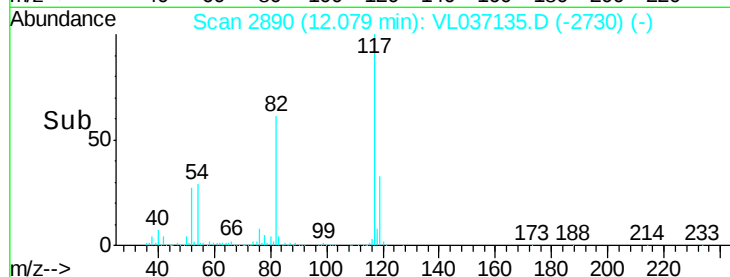
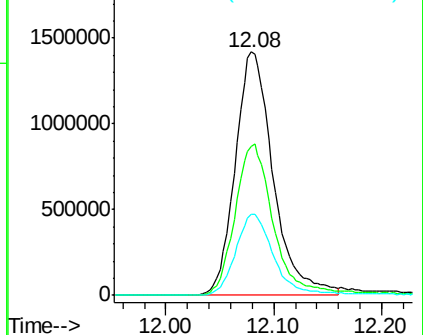
Tot Ion:117 Resp: 3492630
Ion Ratio Lower Upper
117 100
82 63.5 52.6 79.0
119 34.5 46.6 70.0#

Manual Integrations
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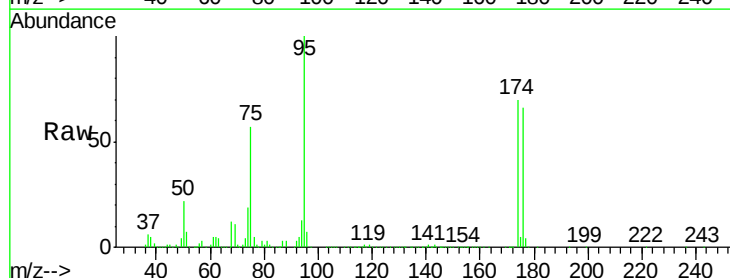


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.025 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. 0.02 min
Lab File: VL037135.D
Acq: 8 Jun 2021 16:59

Tgt Ion: 95 Resp: 2630241
Ion Ratio Lower Upper
95 100
174 73.8 58.4 87.6
175 5.2 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): V
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

