

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060821\
 Data File : VL037133.D
 Acq On : 8 Jun 2021 15:39
 Operator : SY/AP
 Sample : M2614-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-3CDL

Manual Integrations
 APPROVED

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 6/9/2021 4:23:33 PM

Quant Time: Jun 09 01:50:12 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	1345569	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	3900979	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.08	117	3563214	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2663068	9.95	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	80528	0.327	ppbv	94
9) Propene	3.01	41	28867m	0.327	ppbv	
13) Ethanol	3.60	45	1542151	130.940	ppbv	94
15) Acetone	3.86	43	220726	1.602	ppbv #	86
19) Isopropyl Alcohol	3.98	45	316903m	4.277	ppbv	
20) Methylene Chloride	4.34	84	76385	1.034	ppbv	96
26) Hexane	5.69	57	56056m	0.331	ppbv	
34) 2-Butanone	5.25	43	31666m	0.223	ppbv	
36) Benzene	6.89	78	120312	0.358	ppbv	99
53) Toluene	9.80	91	58509m	0.146	ppbv	

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

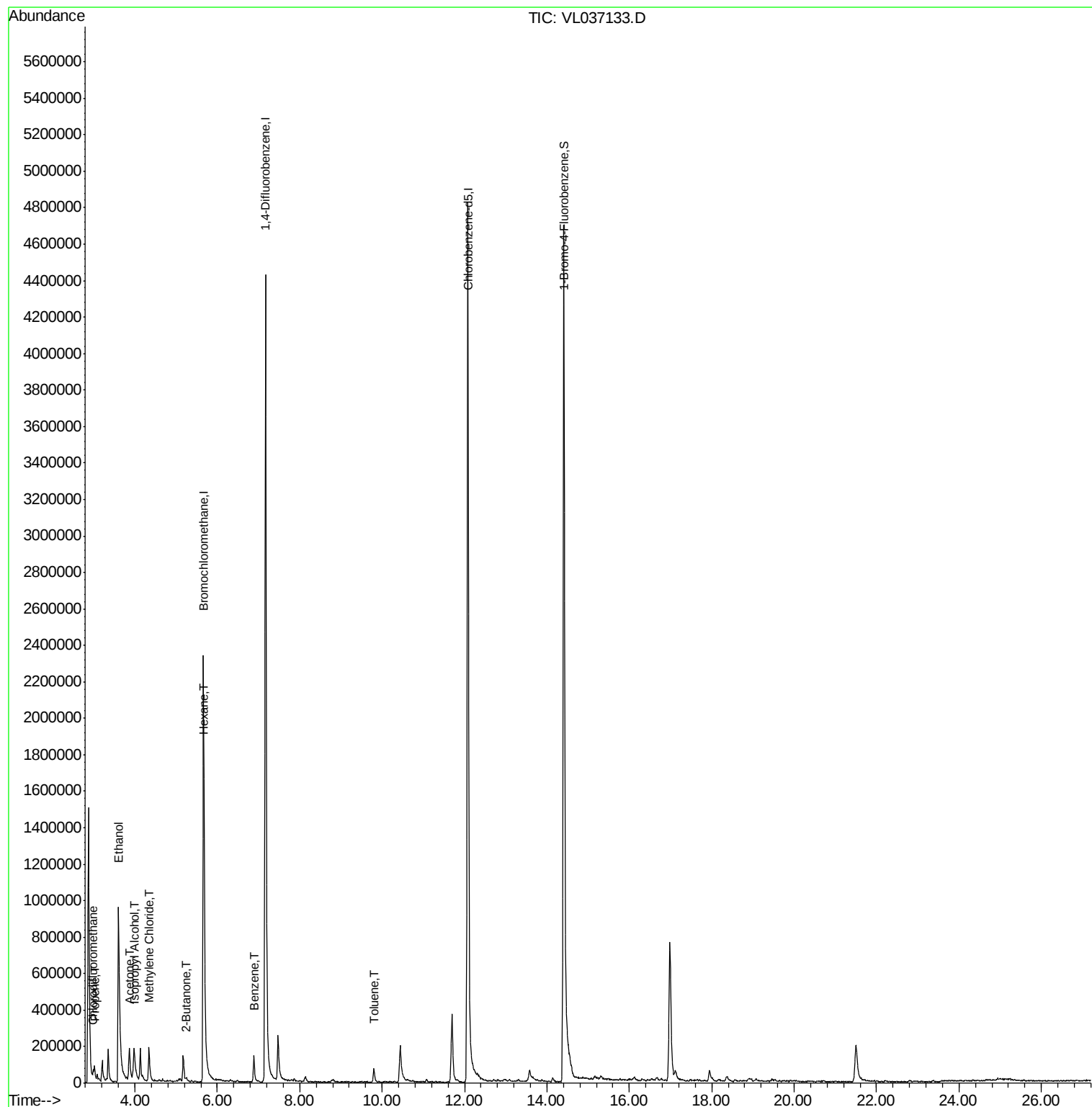
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060821\
Data File : VL037133.D
Acq On : 8 Jun 2021 15:39
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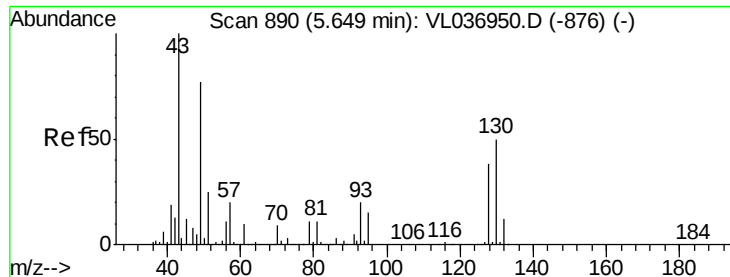
Instrument :
MSVOA_L
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Manual Integrations
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Quant Time: Jun 09 01:50:12 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L 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: VL037133.D

Acq: 8 Jun 2021 15:39

Instrument :

MSVOA_L

ClientSampleId :

SR-3CDL

Tot Ion: 49 Resp: 1345569

Ion Ratio Lower Upper

49 100

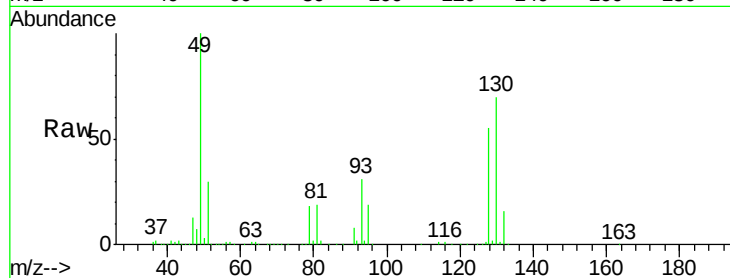
128 56.6 26.9 80.7

130 73.6 33.8 101.4

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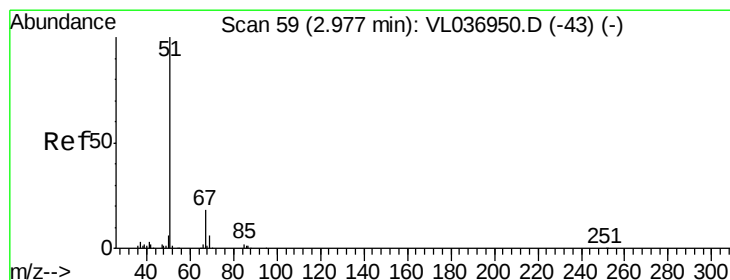
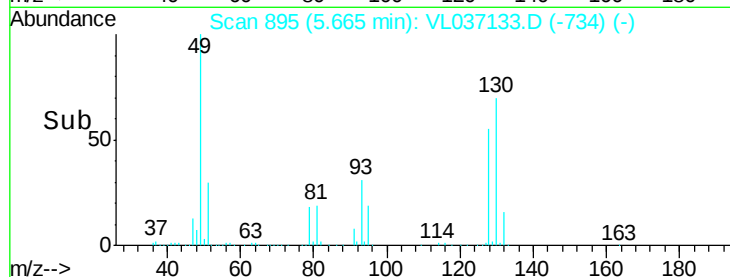
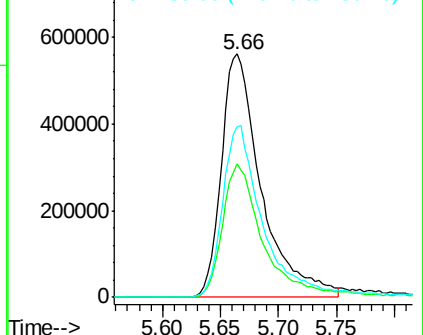
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.327 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

Lab File: VL037133.D

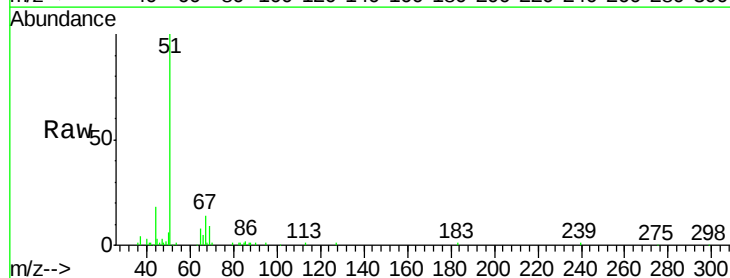
Acq: 8 Jun 2021 15:39

Tgt Ion: 51 Resp: 80528

Ion Ratio Lower Upper

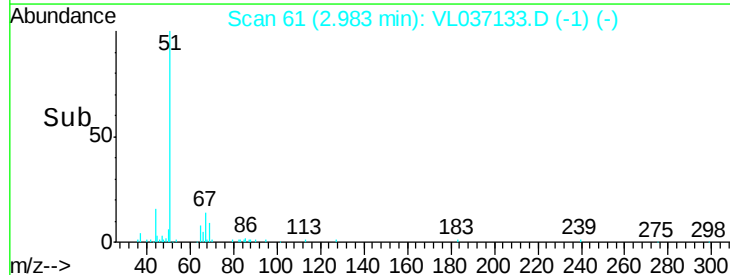
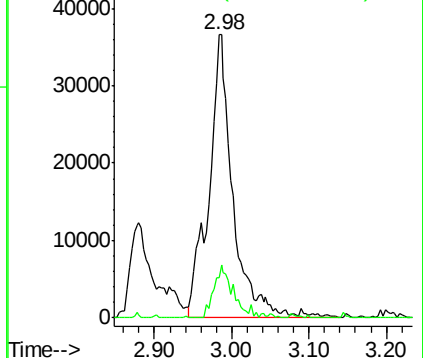
51 100

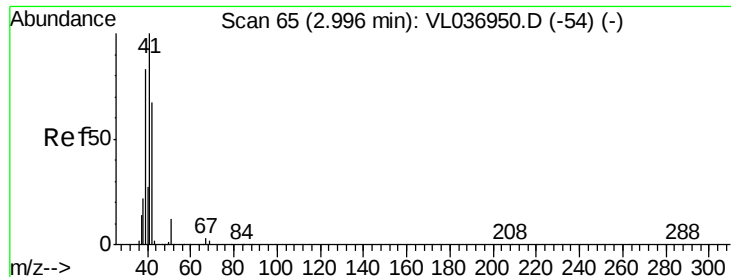
67 15.5 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.327 ppbv m

RT: 3.01 min Scan# 70

Delta R.T. 0.02 min

Lab File: VL037133.D

Acq: 8 Jun 2021 15:39

Instrument :

MSVOA_L

ClientSampleId :

SR-3CDL

Tot Ion: 41 Resp: 28867

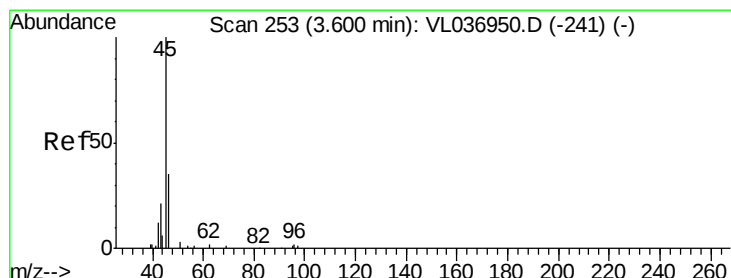
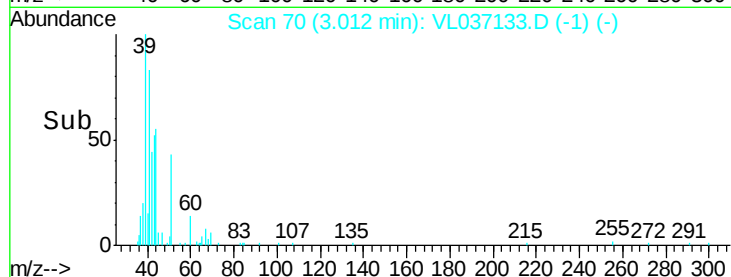
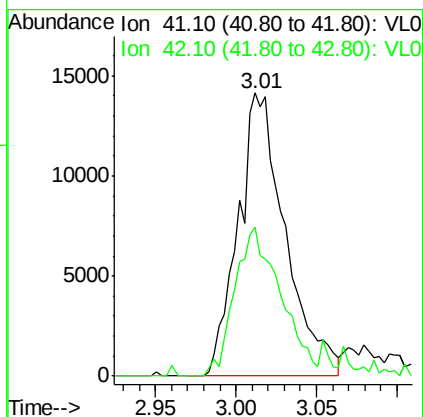
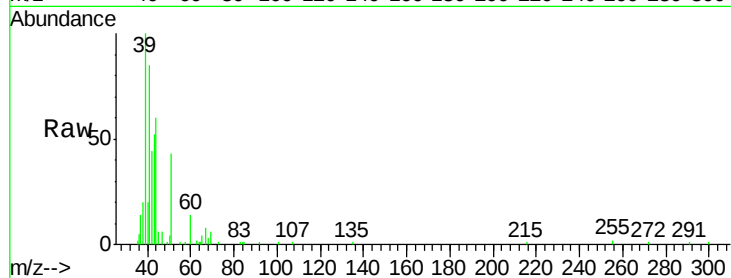
Ion Ratio Lower Upper

41 100

42 58.0 53.9 80.9

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#13

Ethanol

Concen: 130.940 ppbv

RT: 3.60 min Scan# 253

Delta R.T. 0.00 min

Lab File: VL037133.D

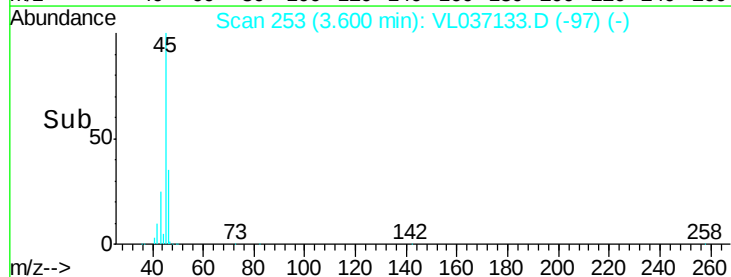
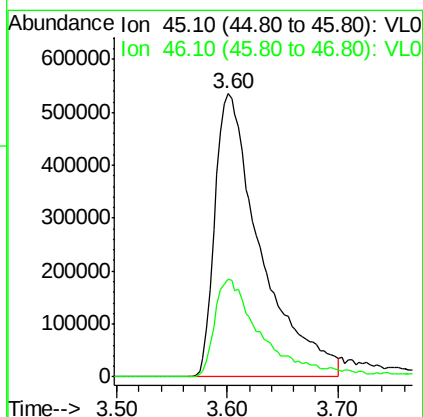
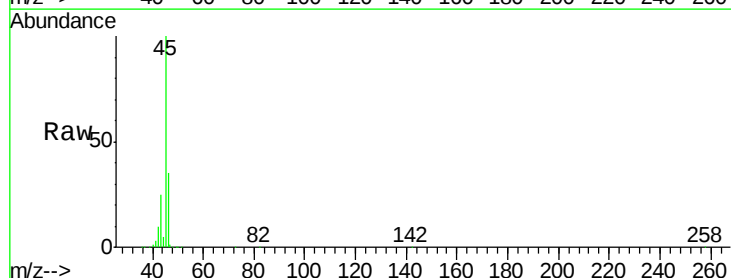
Acq: 8 Jun 2021 15:39

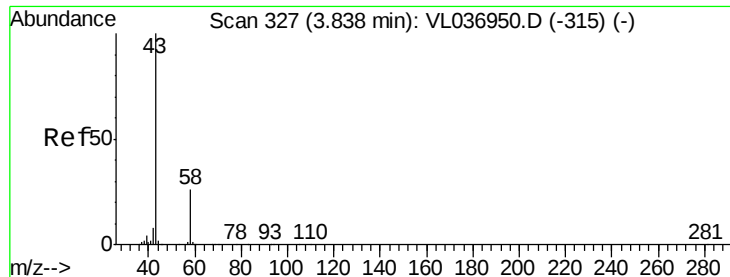
Tgt Ion: 45 Resp: 1542151

Ion Ratio Lower Upper

45 100

46 37.1 16.3 65.3





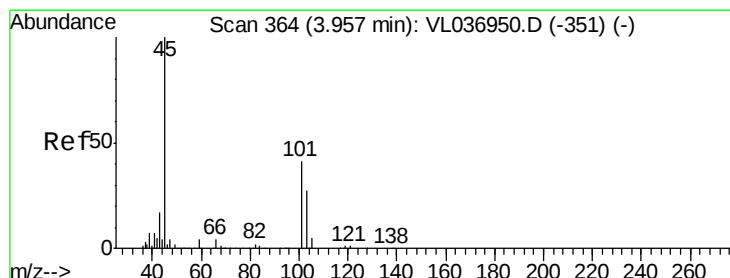
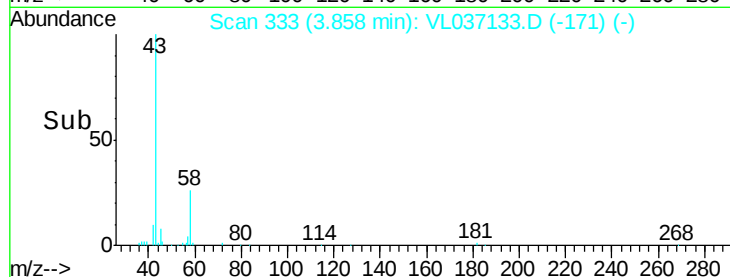
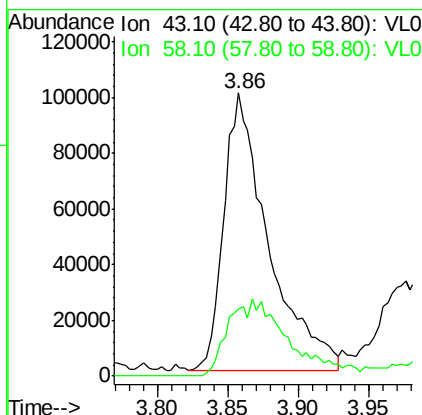
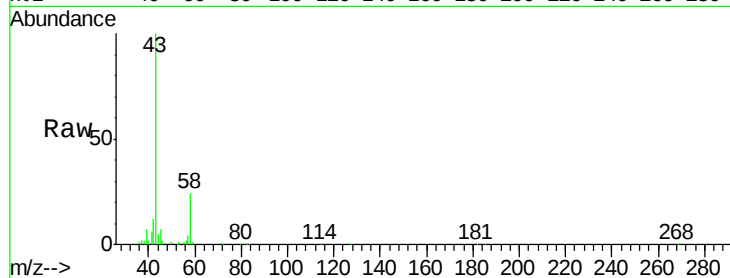
#15
Acetone
Concen: 1.602 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL037133.D
Acq: 8 Jun 2021 15:39

Instrument :
MSVOA_L
ClientSampleId :
SR-3CDL

Tot Ion: 43 Resp: 220726
Ion Ratio Lower Upper
43 100
58 37.4 24.0 36.0#

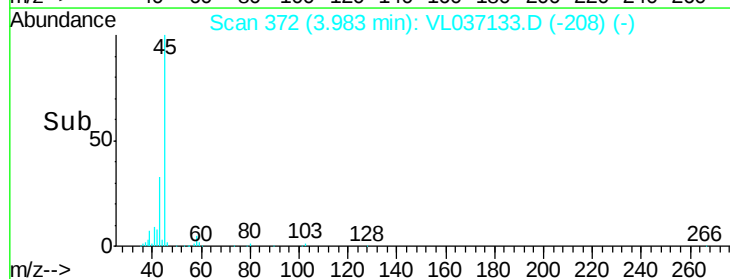
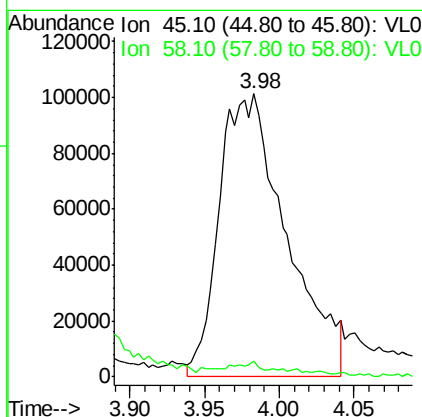
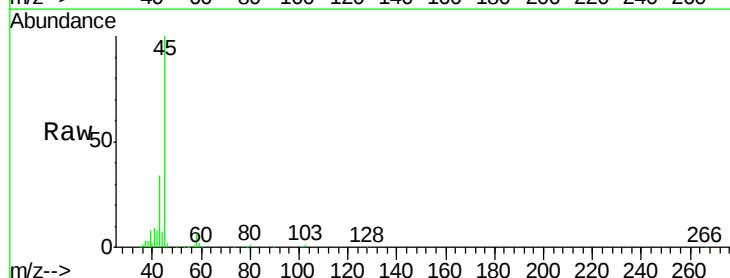
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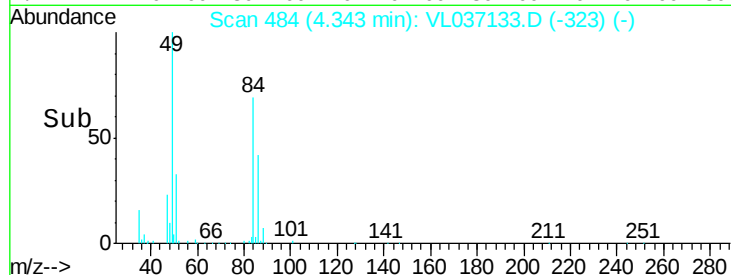
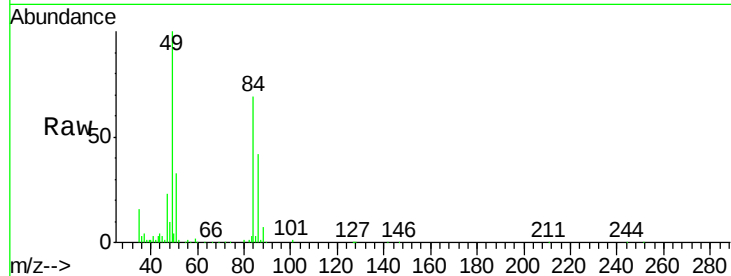
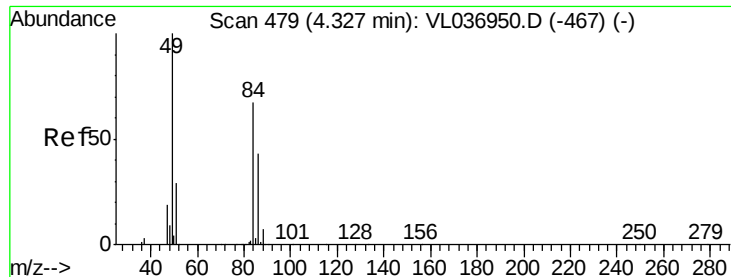
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#19
Isopropyl Alcohol
Concen: 4.277 ppbv m
RT: 3.98 min Scan# 372
Delta R.T. 0.03 min
Lab File: VL037133.D
Acq: 8 Jun 2021 15:39

Tgt Ion: 45 Resp: 316903
Ion Ratio Lower Upper
45 100
58 4.7 37.2 55.8#





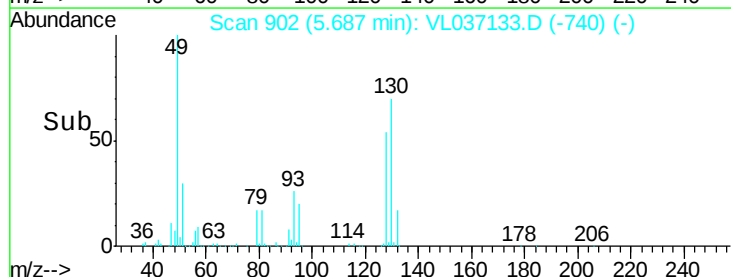
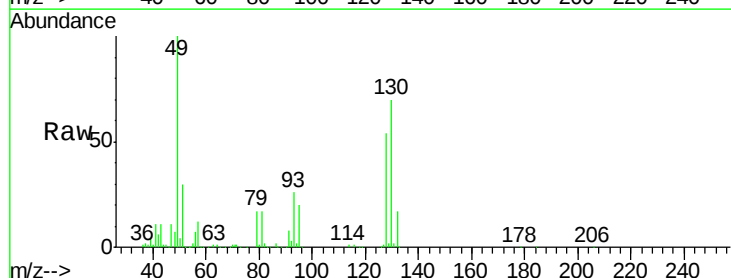
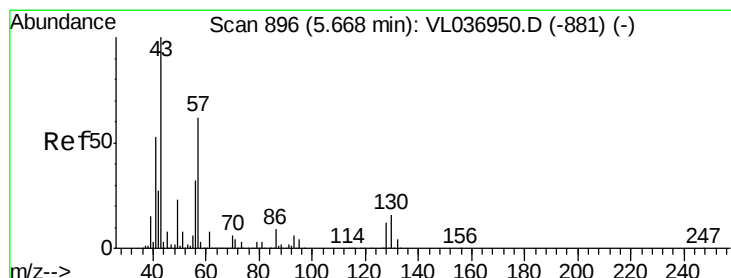
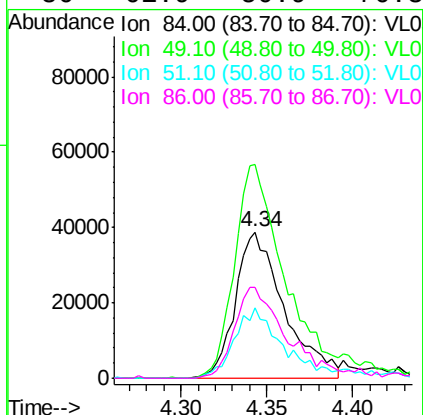
#20
Methvlene Chloride
Concen: 1.034 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.02 min
Lab File: VL037133.D
Acq: 8 Jun 2021 15:39

Tot Ion	84	Resp	76385
Ion Ratio	Lower	Upper	
84	100		
49	145.9	119.8	179.6
51	49.4	35.1	52.7
86	61.9	50.9	76.3

Instrument :
MSVOA_L
ClientSampleId :
SR-3CDL

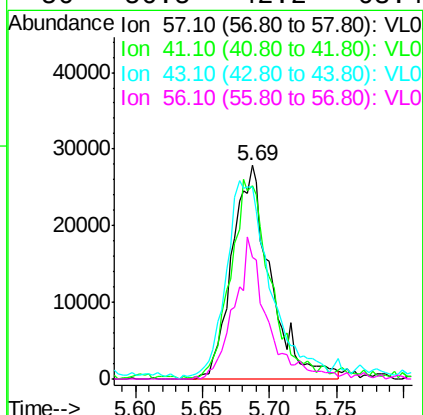
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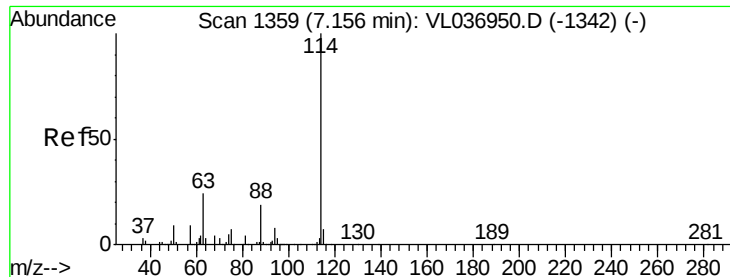
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#26
Hexane
Concen: 0.331 ppbv m
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL037133.D
Acq: 8 Jun 2021 15:39

Tgt Ion	57	Resp	56056
Ion Ratio	Lower	Upper	
57	100		
41	0.0	70.5	105.7#
43	0.0	165.8	248.8#
56	56.5	42.2	63.4





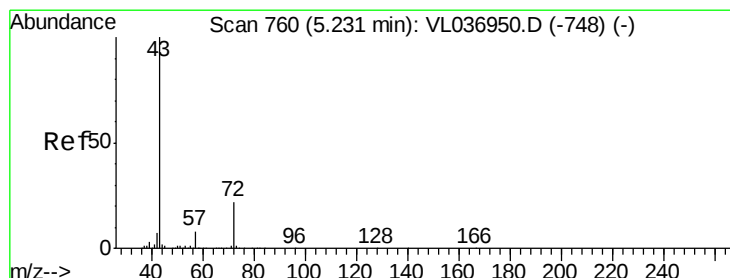
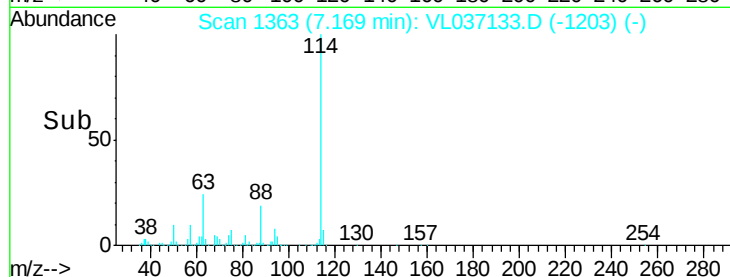
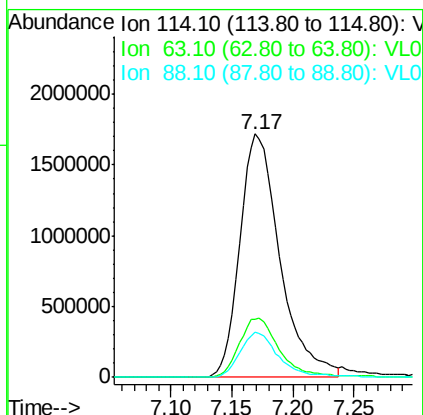
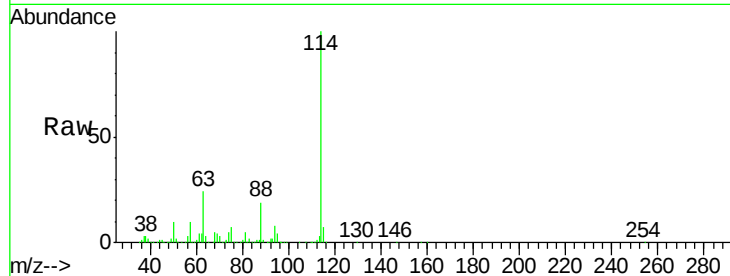
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VL037133.D
 Acq: 8 Jun 2021 15:39

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-3CDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.0	19.6	29.4
88	18.4	14.6	21.8

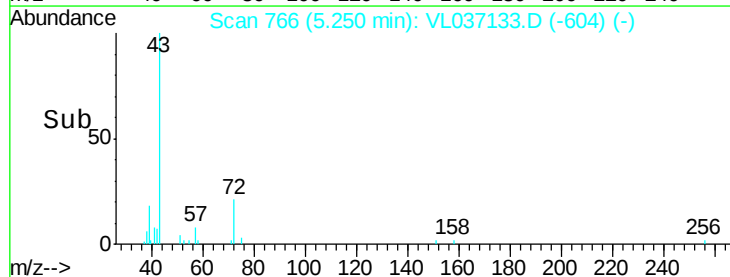
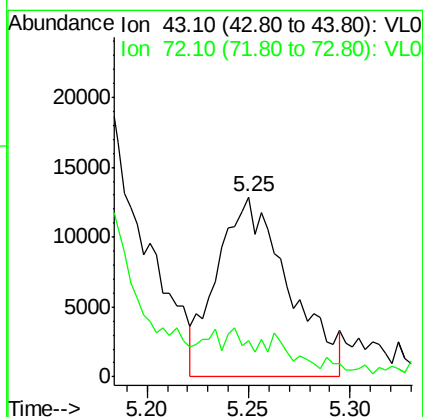
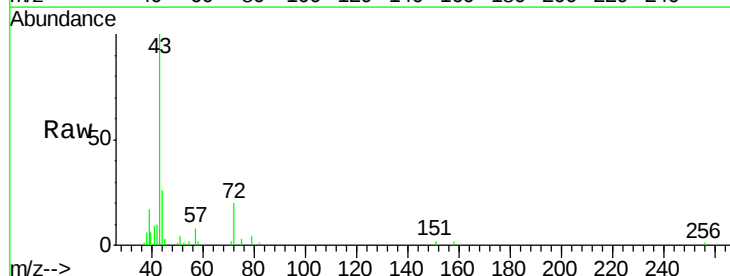
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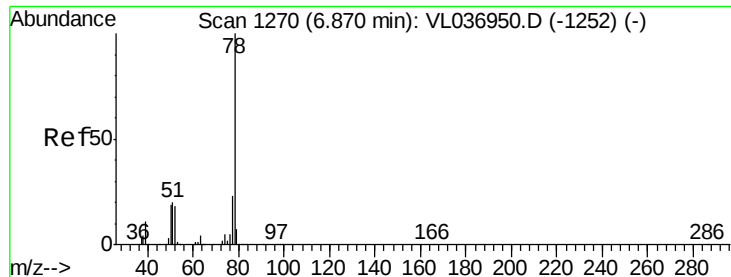
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#34
 2-Butanone
 Concen: 0.223 ppbv m
 RT: 5.25 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VL037133.D
 Acq: 8 Jun 2021 15:39

Tgt Ion	Ratio	Lower	Upper
43	100		
72	31.9	19.0	28.4#





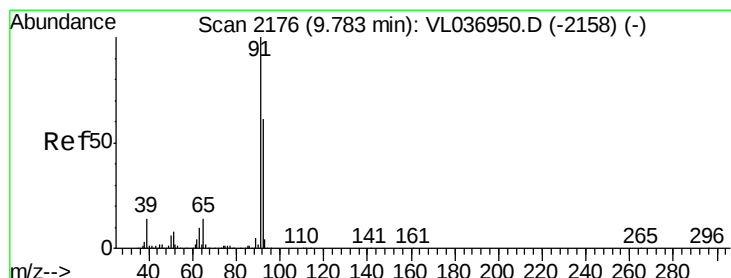
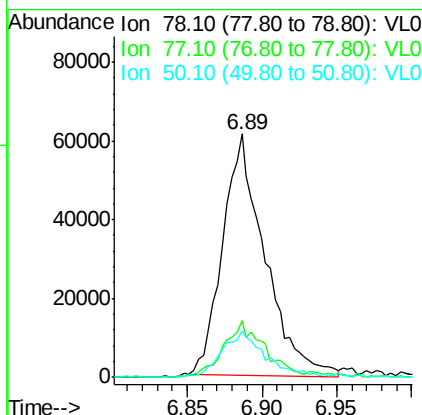
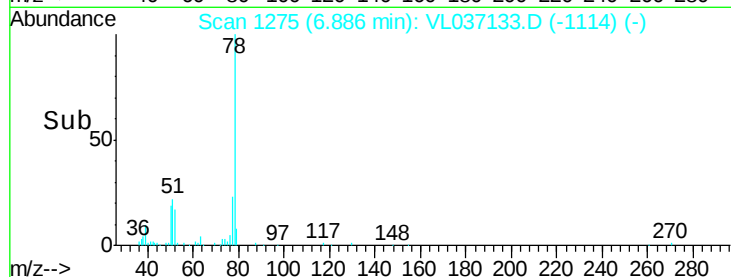
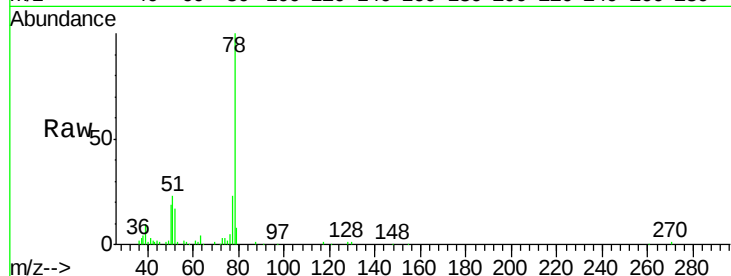
#36
Benzene
Concen: 0.358 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. 0.02 min
Lab File: VL037133.D
Acq: 8 Jun 2021 15:39

Instrument :
MSVOA_L
ClientSampleId :
SR-3CDL

Tot Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.6	28.0
50	18.0	15.0	22.4

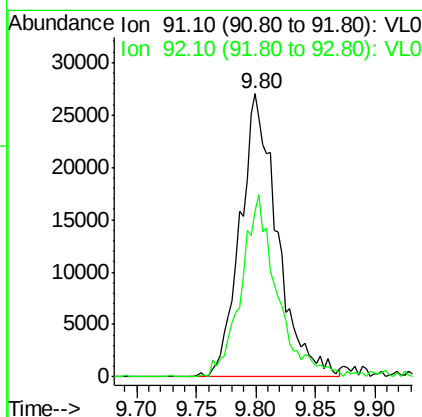
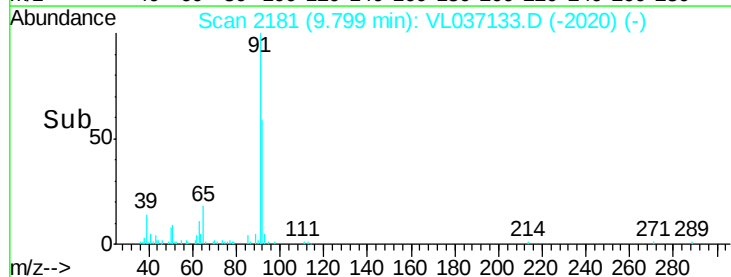
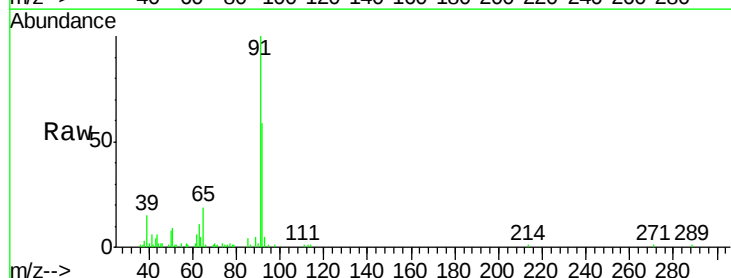
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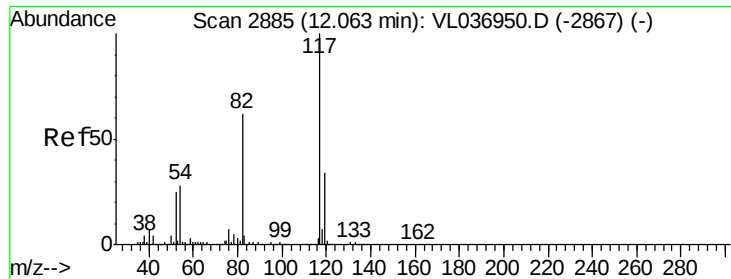
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#53
Toluene
Concen: 0.146 ppbv m
RT: 9.80 min Scan# 2181
Delta R.T. 0.02 min
Lab File: VL037133.D
Acq: 8 Jun 2021 15:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.9	49.5	74.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. 0.02 min

Lab File: VL037133.D

Acq: 8 Jun 2021 15:39

Instrument :

MSVOA_L

ClientSampleId :

SR-3CDL

Tot Ion:117 Resp: 3563214

Ion Ratio Lower Upper

117 100

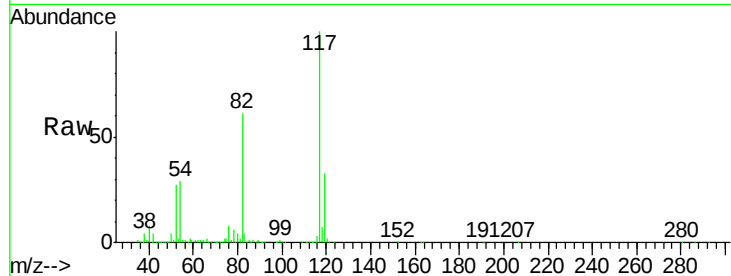
82 64.2 52.6 79.0

119 34.4 46.6 70.0#

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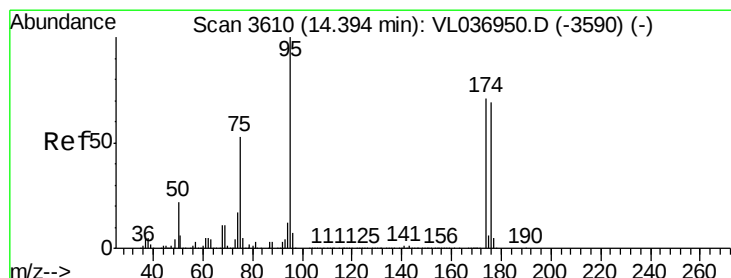
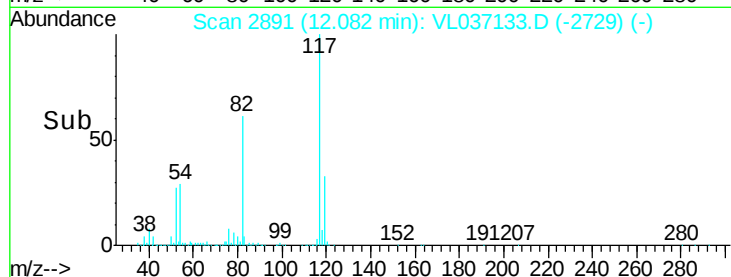
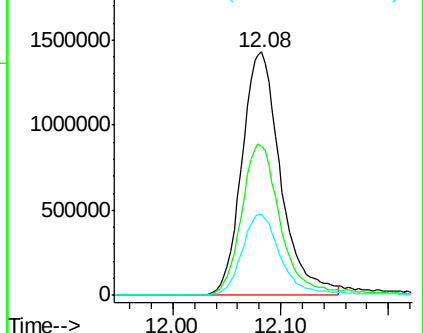
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.949 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.02 min

Lab File: VL037133.D

Acq: 8 Jun 2021 15:39

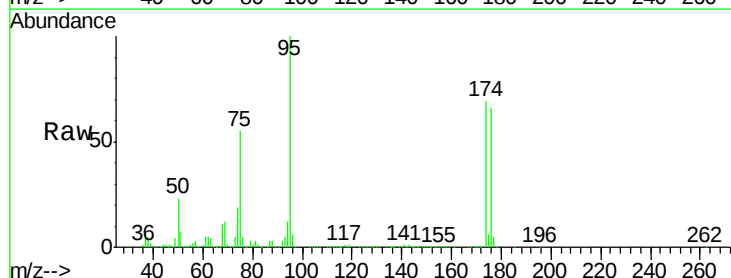
Tgt Ion: 95 Resp: 2663068

Ion Ratio Lower Upper

95 100

174 74.1 58.4 87.6

175 5.4 4.4 6.6



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

