

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060821\
 Data File : VL037131.D
 Acq On : 8 Jun 2021 14:19
 Operator : SY/AP
 Sample : M2614-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-1CDL

Manual Integrations
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 6/9/2021 4:23:26 PM

Quant Time: Jun 09 01:43:40 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	5.67	49	1355975	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4087460	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3621744	10.00	ppbv	0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.42	95	2720941	10.00	ppbv	0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	53523	0.215	ppbv #	90
9) Propene	3.02	41	25798m	0.290	ppbv	
13) Ethanol	3.60	45	1426709	120.208	ppbv	94
15) Acetone	3.86	43	219317	1.579	ppbv #	88
19) Isopropyl Alcohol	3.98	45	309993	4.152	ppbv #	35
20) Methylene Chloride	4.34	84	203908	2.739	ppbv	99
26) Hexane	5.68	57	103442	0.607	ppbv #	51
34) 2-Butanone	5.25	43	29182m	0.196	ppbv	
36) Benzene	6.89	78	82039m	0.233	ppbv	
53) Toluene	9.80	91	53904m	0.129	ppbv	

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

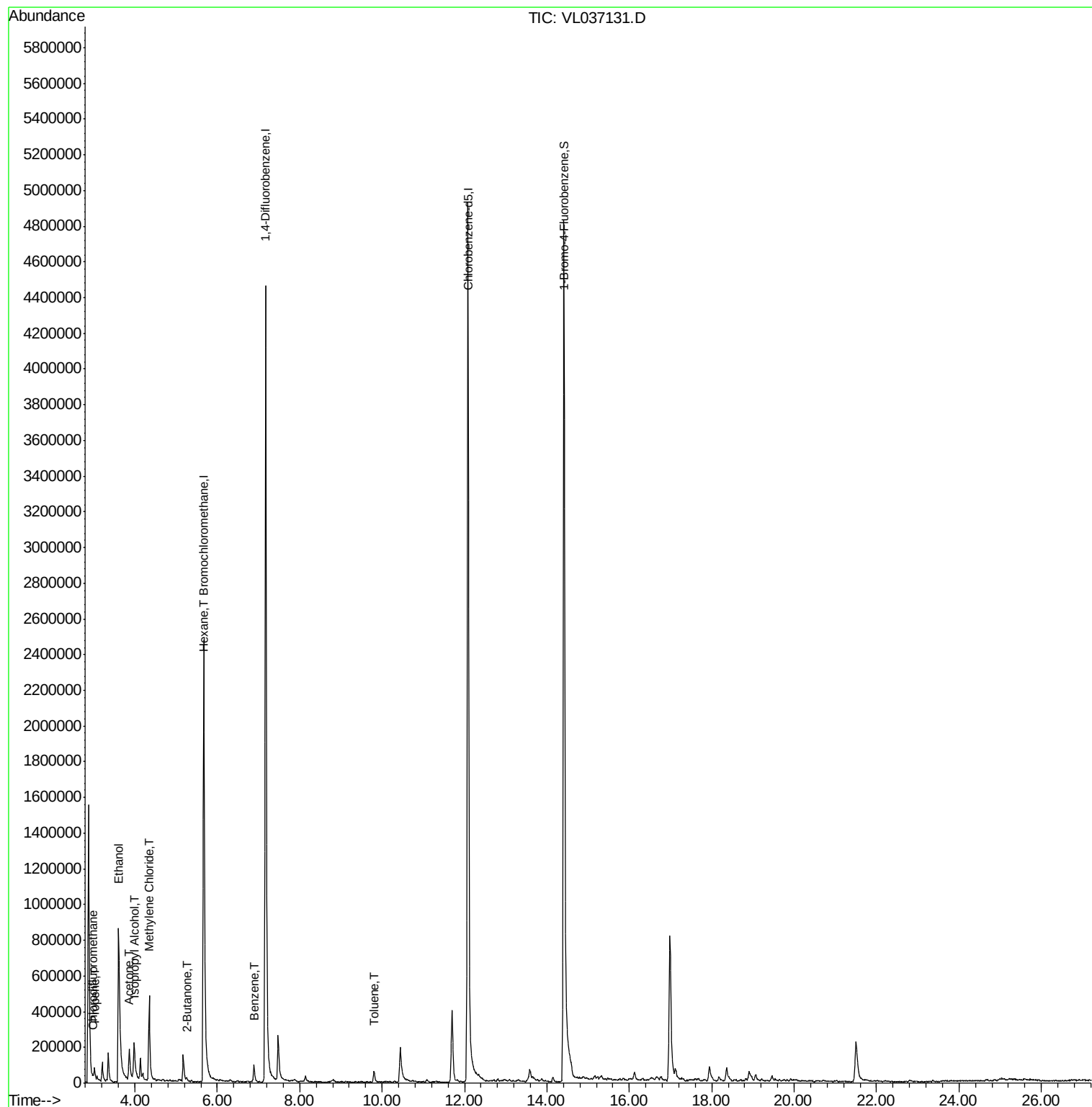
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060821\
Data File : VL037131.D
Acq On : 8 Jun 2021 14:19
Operator : SY/AP
Sample : M2614-01DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

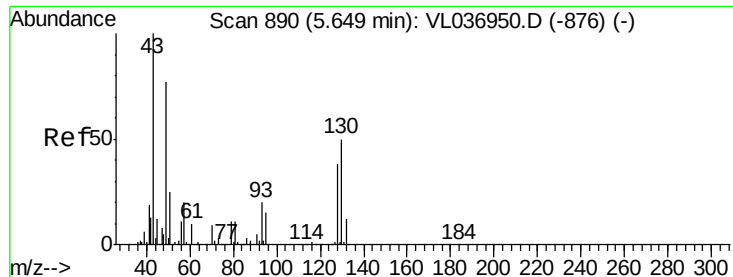
Instrument :
MSVOA_L
ClientSampleId :
SR-1CDL

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Quant Time: Jun 09 01:43:40 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: 5.67 min Scan# 896

Delta R.T. 0.02 min

Lab File: VL037131.D

Acq: 8 Jun 2021 14:19

Instrument :

MSVOA_L

ClientSampleId :

SR-1CDL

Tot Ion: 49 Resp: 1355975

Ion Ratio Lower Upper

49 100

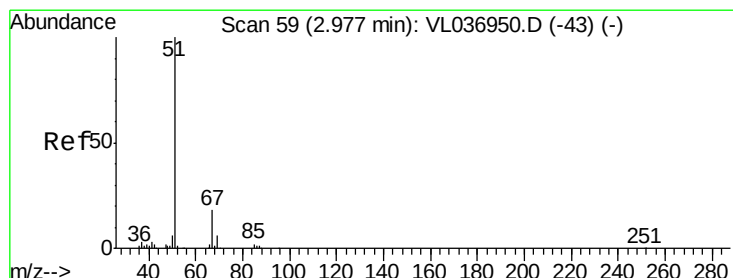
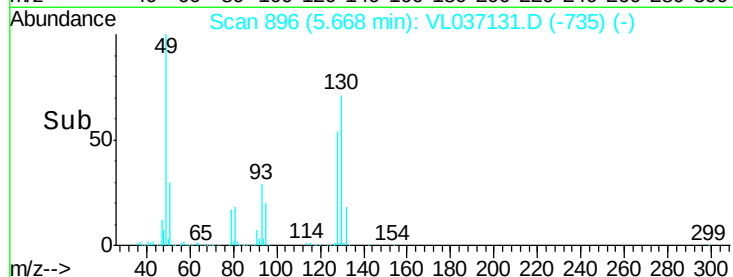
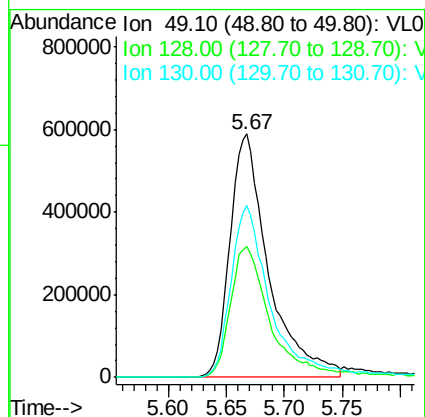
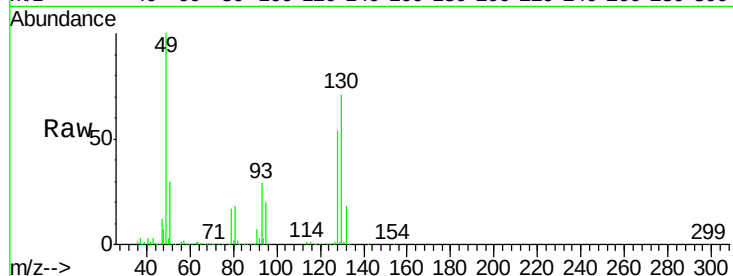
128 57.1 26.9 80.7

130 74.8 33.8 101.4

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#3

Chlorodifluoromethane

Concen: 0.215 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.01 min

Lab File: VL037131.D

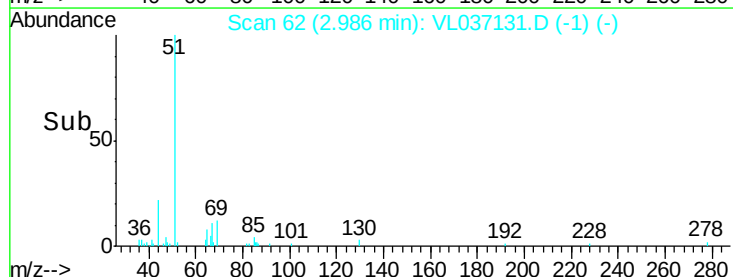
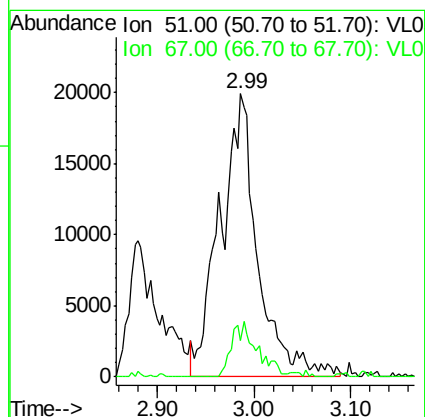
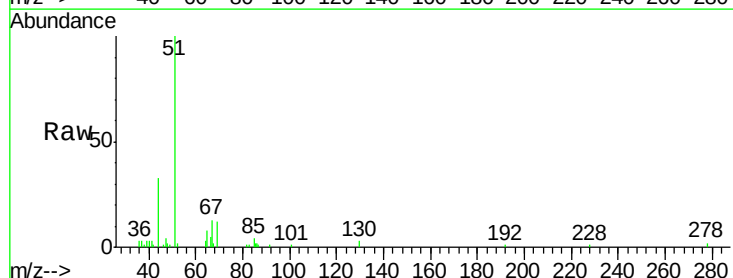
Acq: 8 Jun 2021 14:19

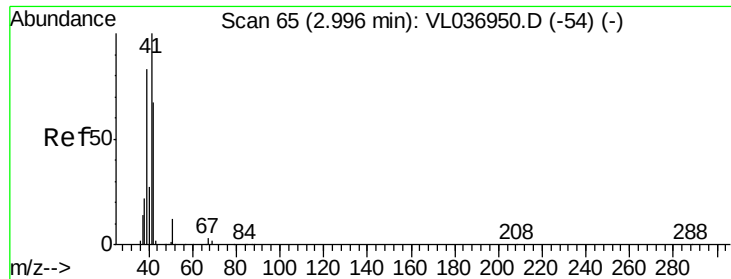
Tgt Ion: 51 Resp: 53523

Ion Ratio Lower Upper

51 100

67 13.9 14.6 21.8#





#9

Propene

Concen: 0.290 ppbv m

RT: 3.02 min Scan# 73

Delta R.T. 0.03 min

Lab File: VL037131.D

Acq: 8 Jun 2021 14:19

Instrument :

MSVOA_L

ClientSampled :

SR-1CDL

Tot Ion: 41 Resp: 25798

Ion Ratio Lower Upper

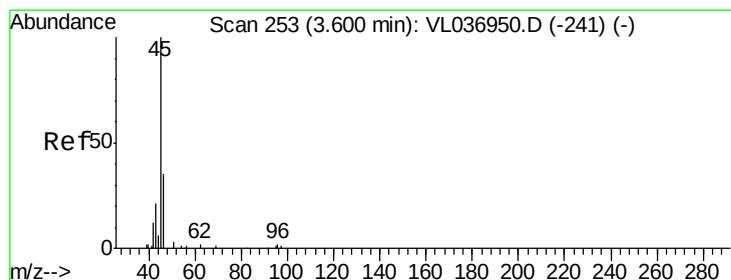
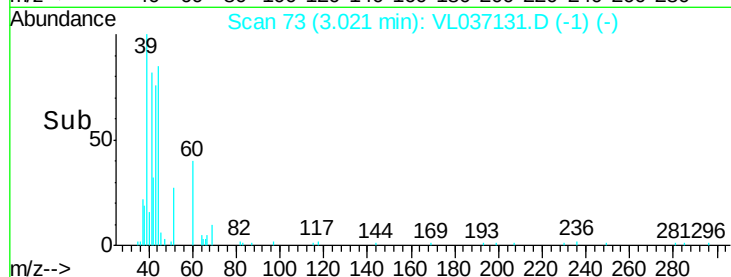
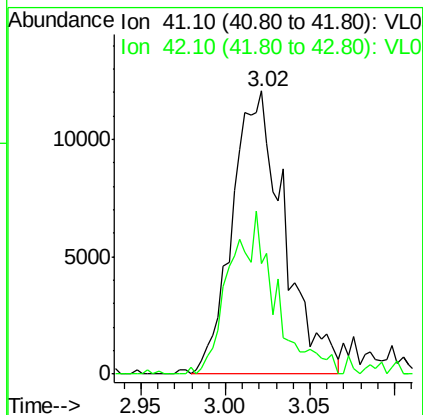
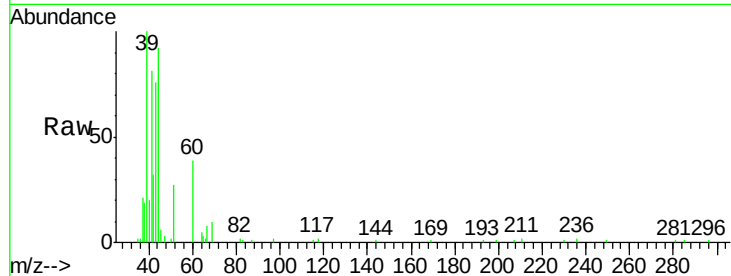
41 100

42 50.9 53.9 80.9#

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#13

Ethanol

Concen: 120.208 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL037131.D

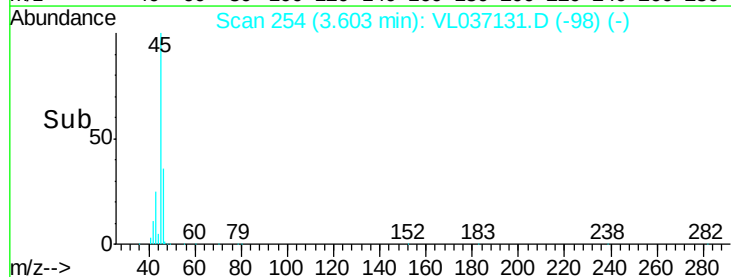
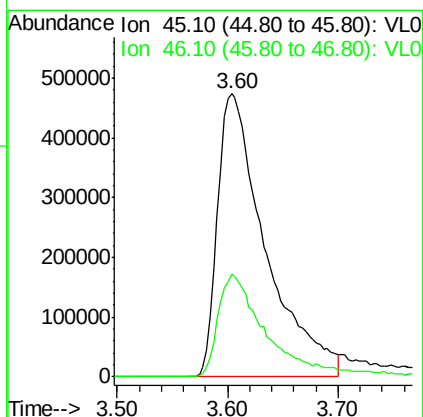
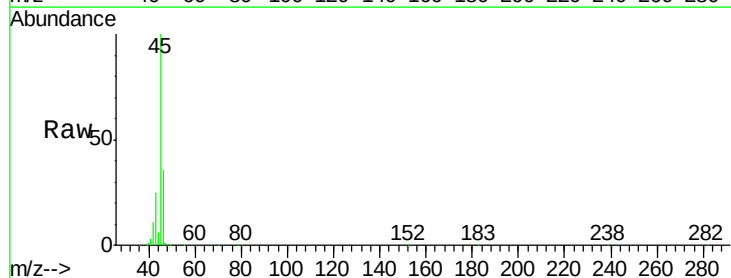
Acq: 8 Jun 2021 14:19

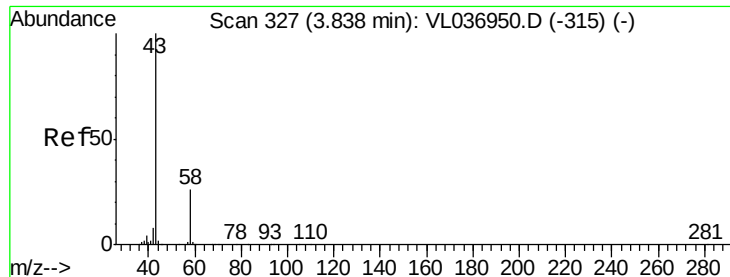
Tgt Ion: 45 Resp: 1426709

Ion Ratio Lower Upper

45 100

46 37.2 16.3 65.3





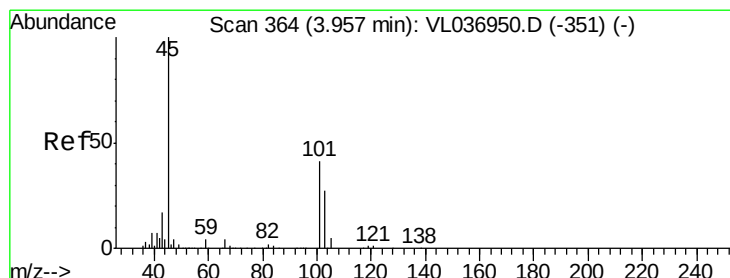
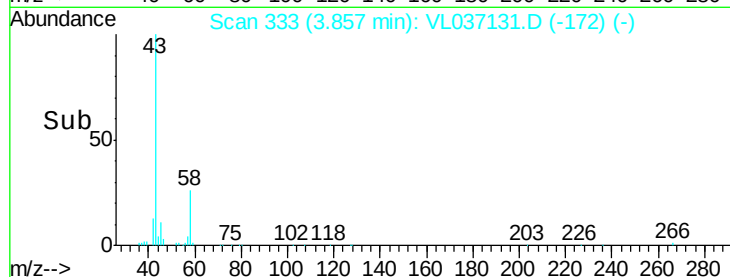
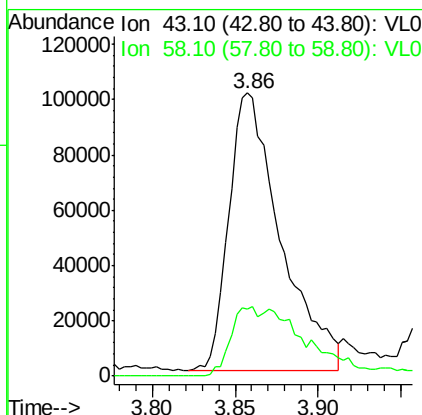
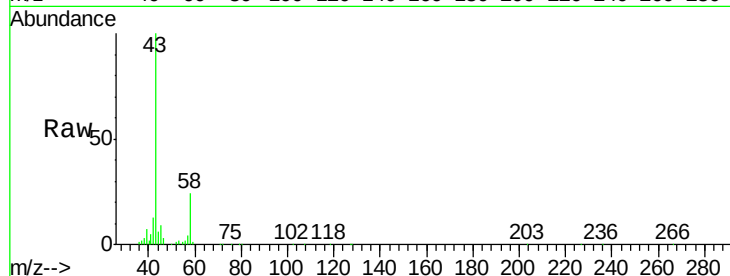
#15
Acetone
Concen: 1.579 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL037131.D
Acq: 8 Jun 2021 14:19

Instrument :
MSVOA_L
ClientSampleId :
SR-1CDL

Tot Ion: 43 Resp: 219317
Ion Ratio Lower Upper
43 100
58 36.5 24.0 36.0#

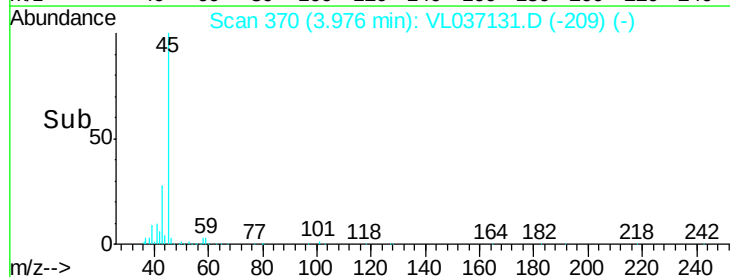
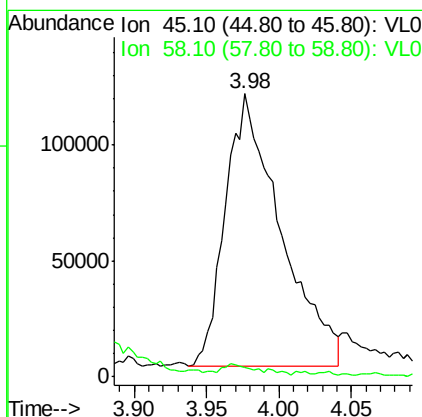
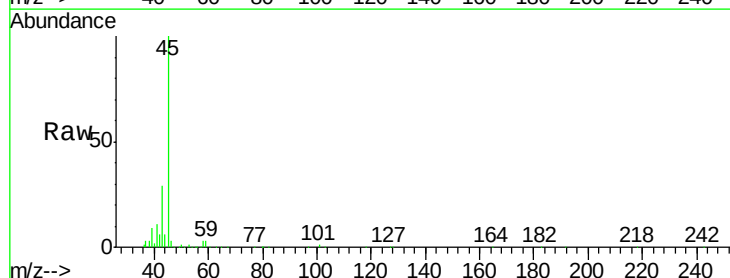
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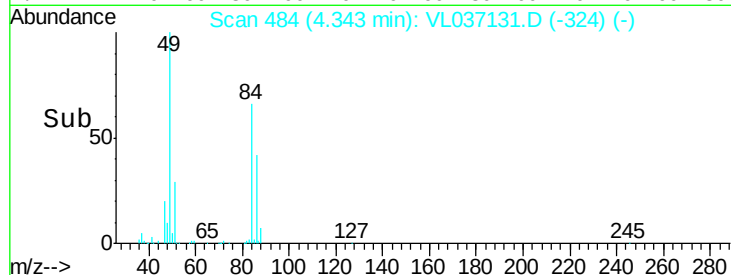
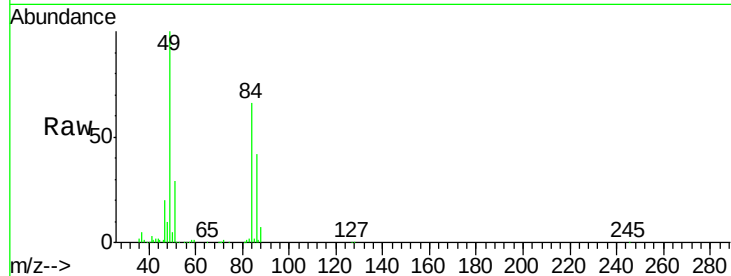
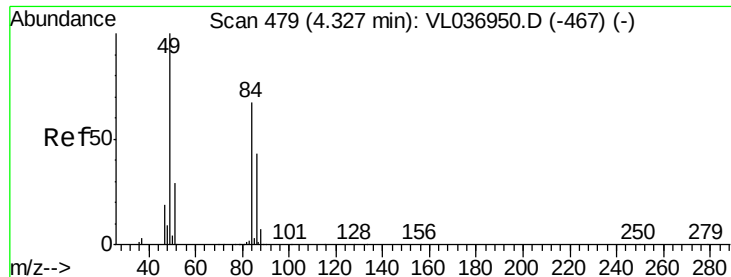
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#19
Isopropyl Alcohol
Concen: 4.152 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.02 min
Lab File: VL037131.D
Acq: 8 Jun 2021 14:19

Tgt Ion: 45 Resp: 309993
Ion Ratio Lower Upper
45 100
58 3.5 37.2 55.8#





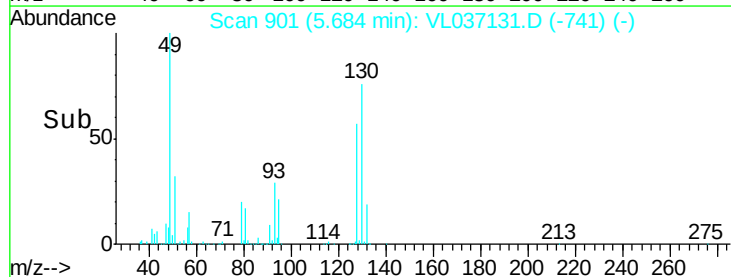
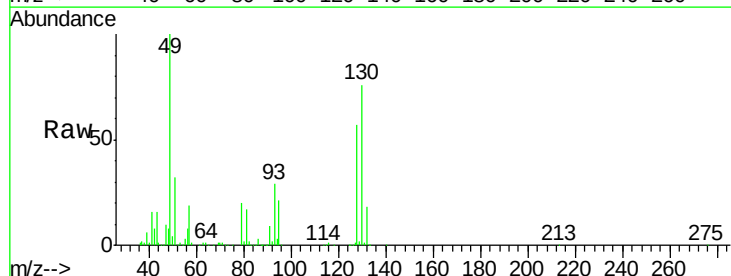
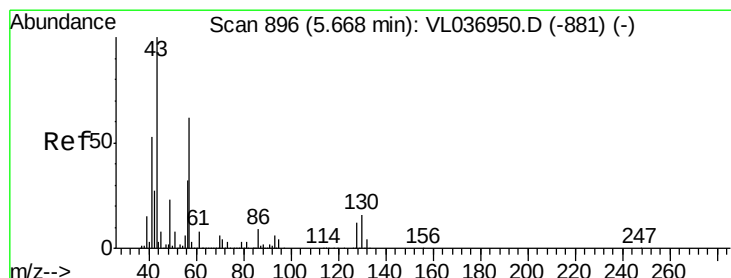
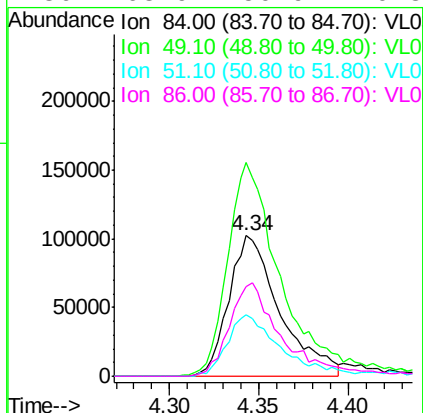
#20
Methylene Chloride
Concen: 2.739 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.02 min
Lab File: VL037131.D
Acq: 8 Jun 2021 14:19

Tot Ion	84	Resp	203908
Ion Ratio	Lower	Upper	
84	100		
49	151.2	119.8	179.6
51	43.3	35.1	52.7
86	63.9	50.9	76.3

Instrument :
MSVOA_L
ClientSampleId :
SR-1CDL

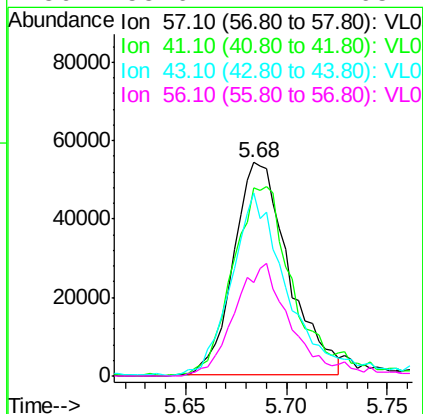
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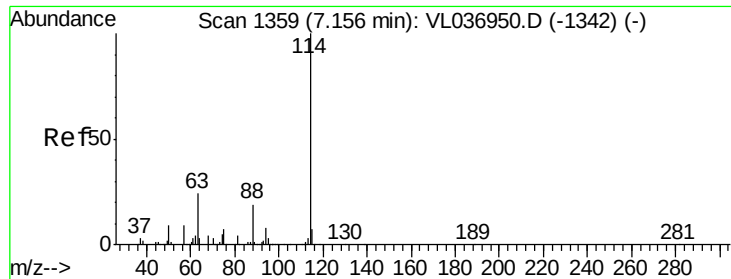
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#26
Hexane
Concen: 0.607 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.02 min
Lab File: VL037131.D
Acq: 8 Jun 2021 14:19

Tgt Ion	57	Resp	103442
Ion Ratio	Lower	Upper	
57	100		
41	104.5	70.5	105.7
43	93.1	165.8	248.8#
56	55.6	42.2	63.4





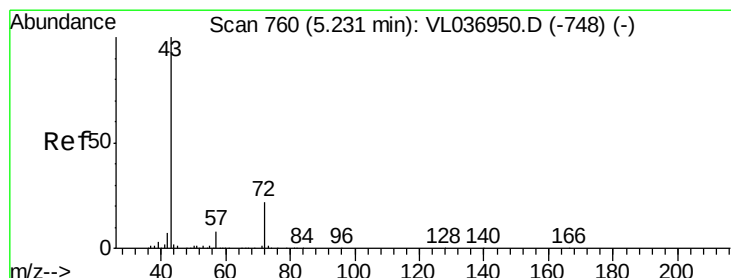
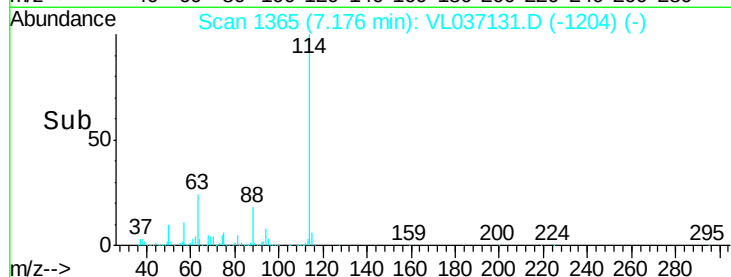
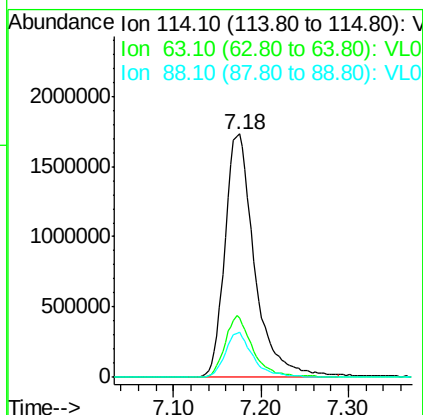
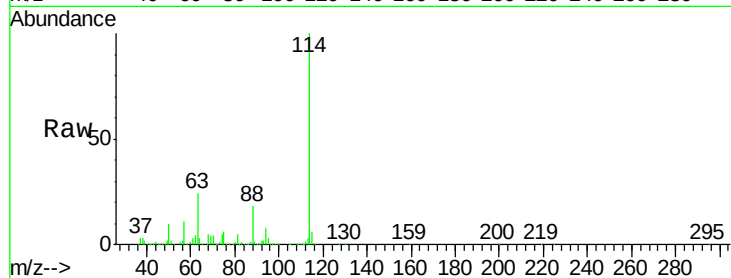
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. 0.02 min
 Lab File: VL037131.D
 Acq: 8 Jun 2021 14:19

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-1CDL

Tot Ion:114 Resp: 4087460
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.6 29.4
 88 17.7 14.6 21.8

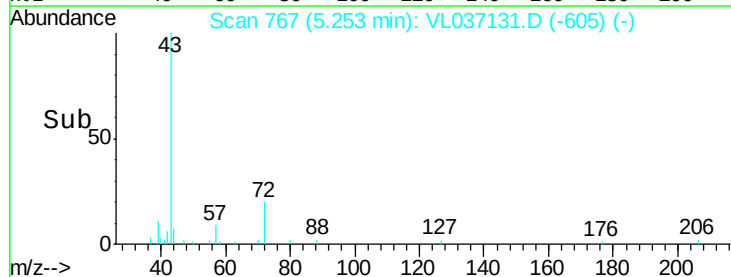
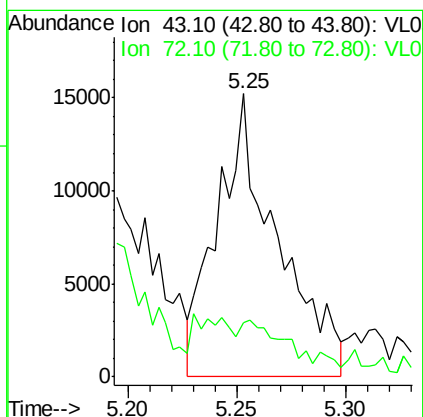
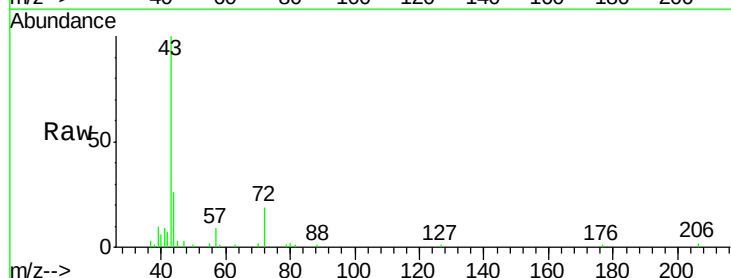
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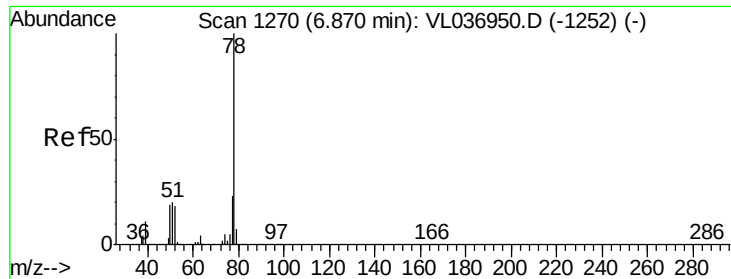
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#34
 2-Butanone
 Concen: 0.196 ppbv m
 RT: 5.25 min Scan# 767
 Delta R.T. 0.02 min
 Lab File: VL037131.D
 Acq: 8 Jun 2021 14:19

Tgt Ion: 43 Resp: 29182
 Ion Ratio Lower Upper
 43 100
 72 31.0 19.0 28.4#





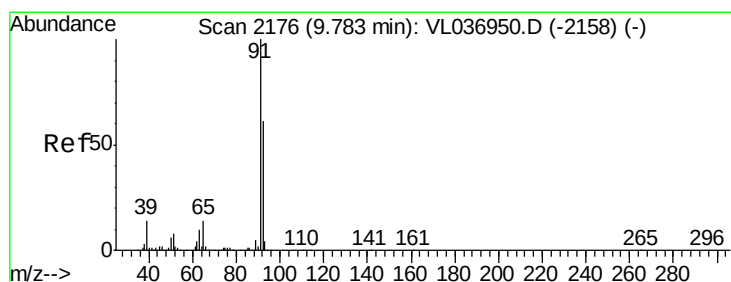
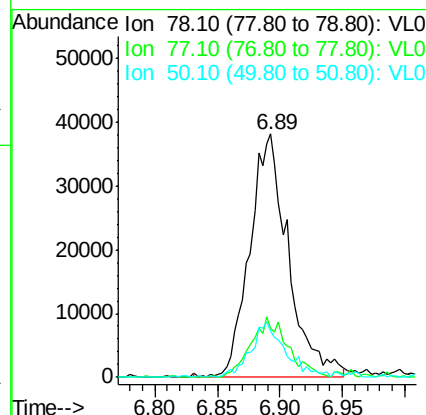
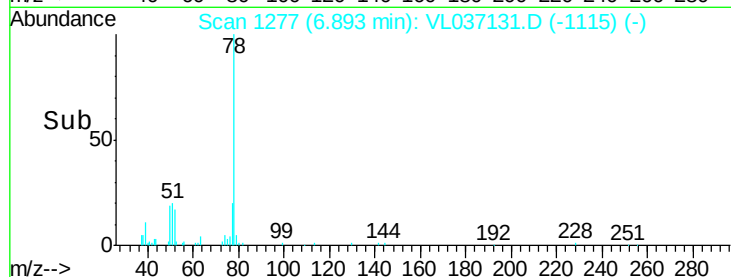
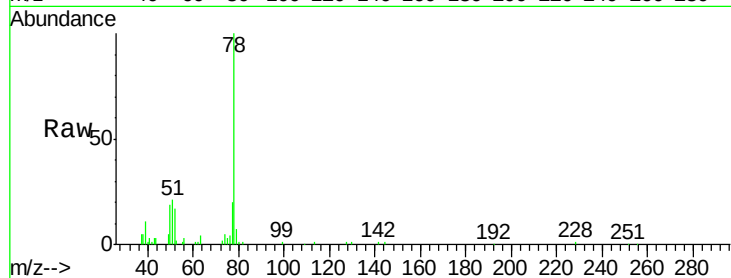
#36
Benzene
Concen: 0.233 ppbv m
RT: 6.89 min Scan# 1277
Delta R.T. 0.02 min
Lab File: VL037131.D
Acq: 8 Jun 2021 14:19

Instrument :
MSVOA_L
ClientSampleId :
SR-1CDL

Tot Ion	Ratio	Lower	Upper
78	100		
77	20.1	18.6	28.0
50	18.9	15.0	22.4

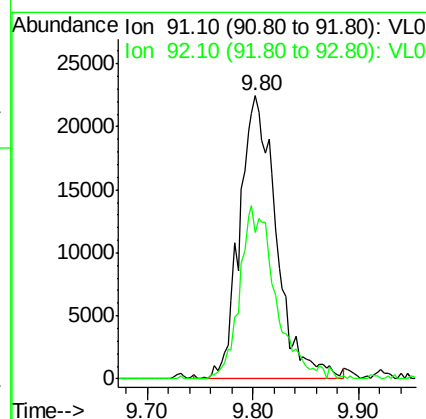
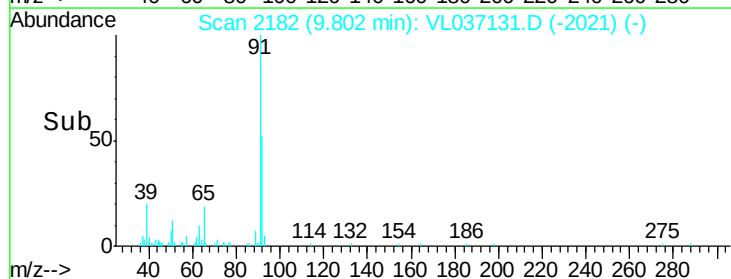
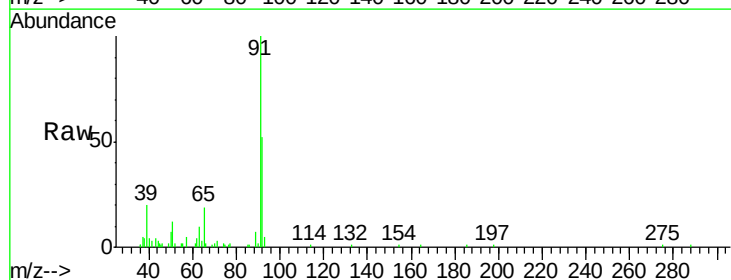
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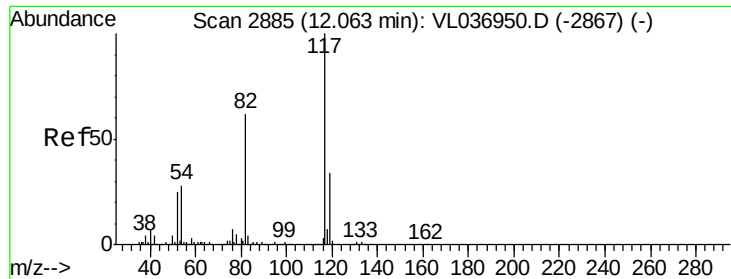
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#53
Toluene
Concen: 0.129 ppbv m
RT: 9.80 min Scan# 2182
Delta R.T. 0.02 min
Lab File: VL037131.D
Acq: 8 Jun 2021 14:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	49.5	74.3#





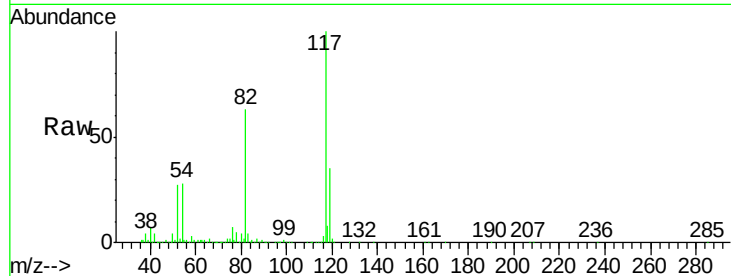
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. 0.02 min
Lab File: VL037131.D
Acq: 8 Jun 2021 14:19

Instrument :
MSVOA_L
ClientSampleId :
SR-1CDL

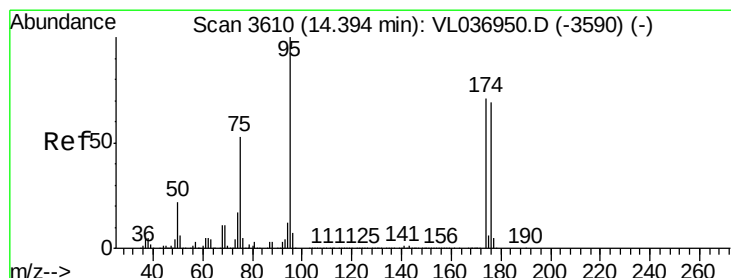
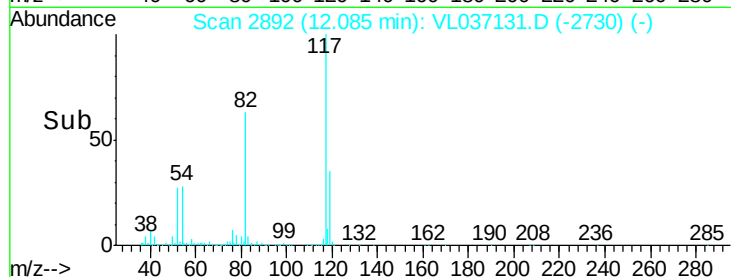
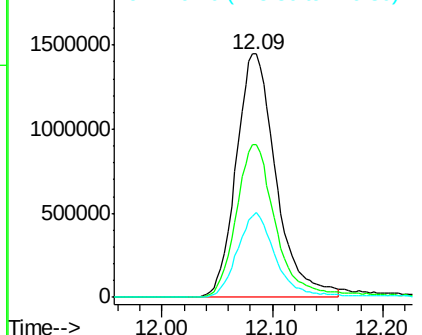
Tot Ion:117 Resp: 3621744
Ion Ratio Lower Upper
117 100
82 63.9 52.6 79.0
119 33.8 46.6 70.0#

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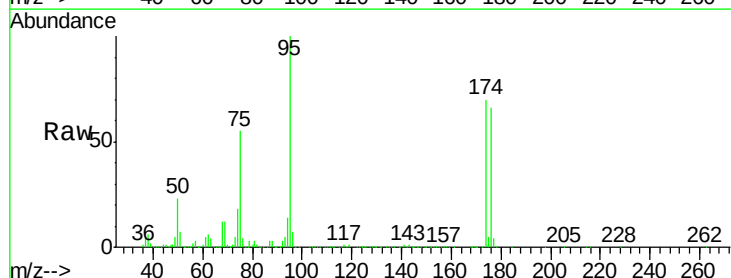


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.001 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. 0.02 min
Lab File: VL037131.D
Acq: 8 Jun 2021 14:19

Tgt Ion: 95 Resp: 2720941
Ion Ratio Lower Upper
95 100
174 74.1 58.4 87.6
175 5.7 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

