

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
 Data File : VL036174.D
 Acq On : 16 Dec 2020 19:53
 Operator : SY/AP
 Sample : L5041-01 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MID

Manual Integrations
 APPROVED

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 12/17/2020 3:56:09 PM

Quant Time: Dec 17 06:49:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1464122	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	2817181	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	2591803	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2347057	11.40	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	114.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Chloroethane	3.55	64	9712m	0.312	ppbv	
9) Propene	3.01	41	13792m	0.165	ppbv	
11) Trichlorofluoromethane	3.95	101	21340m	0.106	ppbv	
13) Ethanol	3.60	45	61554m	5.336	ppbv	
15) Acetone	3.85	43	103605	0.589	ppbv #	70
18) 1,1-Dichloroethene	4.28	96	12887m	0.213	ppbv	
19) Isopropyl Alcohol	3.97	45	149614	1.391	ppbv #	100
20) Methylene Chloride	4.33	84	57160	0.793	ppbv	88
24) 1,1-Dichloroethane	5.00	63	104307	0.633	ppbv #	95
26) Hexane	5.67	57	56066	0.354	ppbv #	40

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

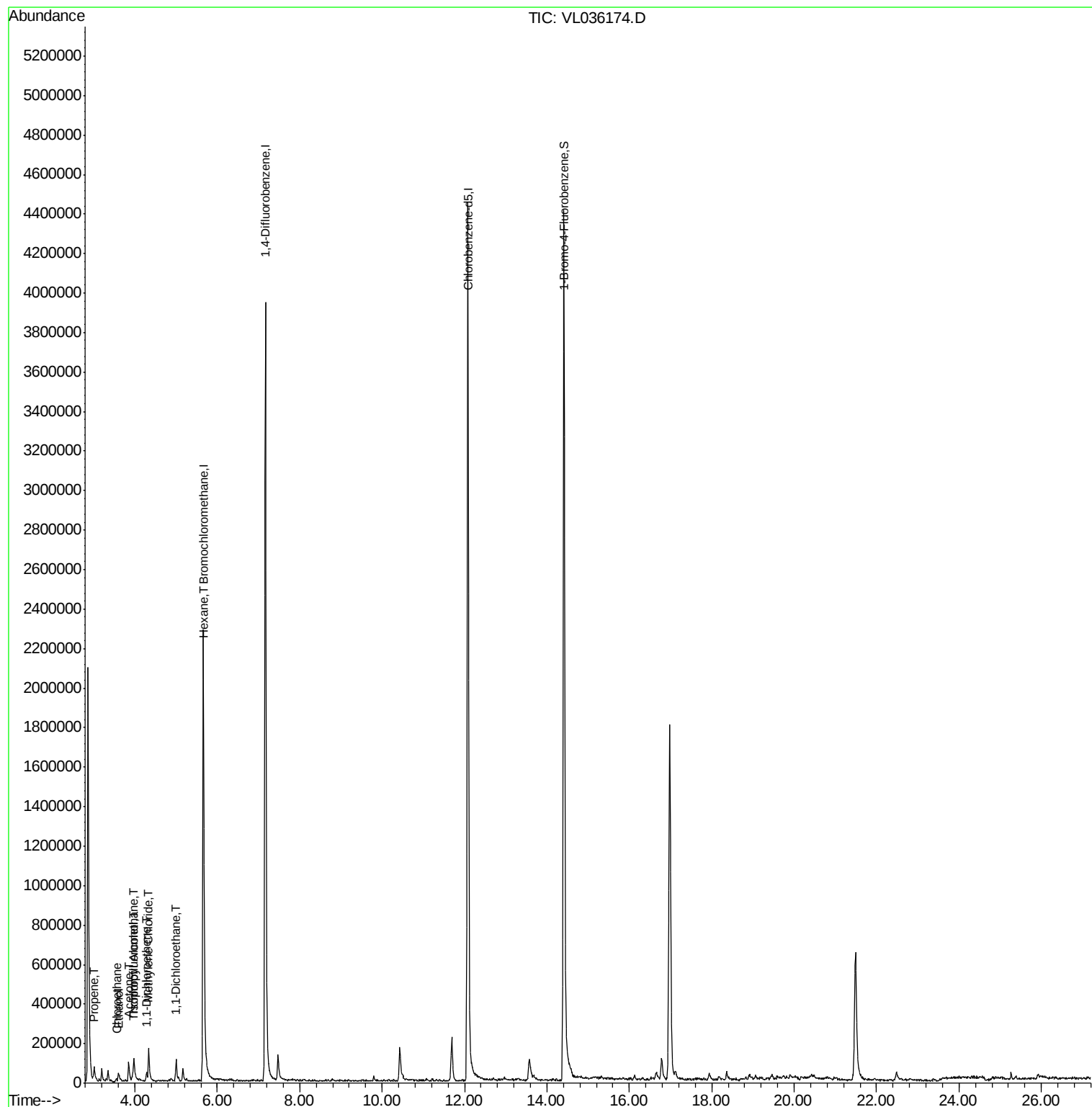
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
Data File : VL036174.D
Acq On : 16 Dec 2020 19:53
Operator : SY/AP
Sample : L5041-01 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

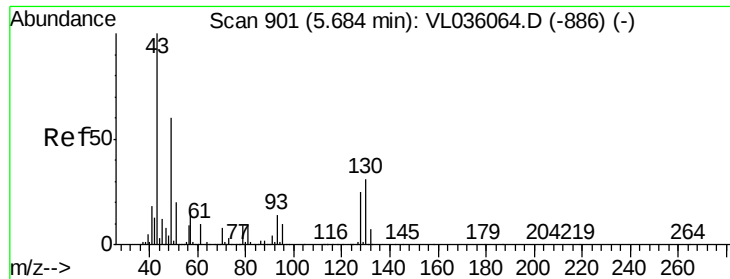
Instrument :
MSVOA_L
ClientSampleId :
MID

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Quant Time: Dec 17 06:49:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

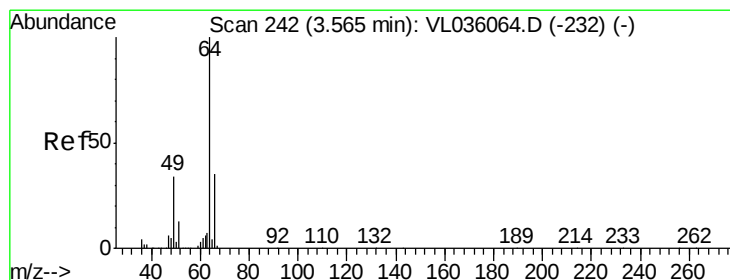
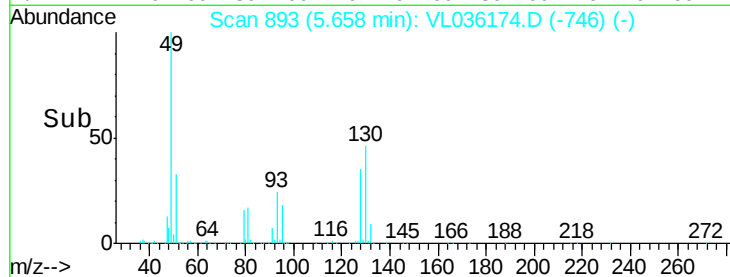
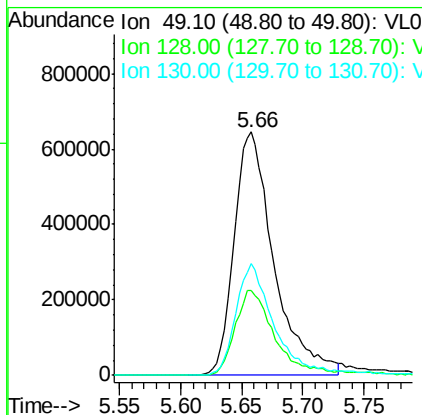
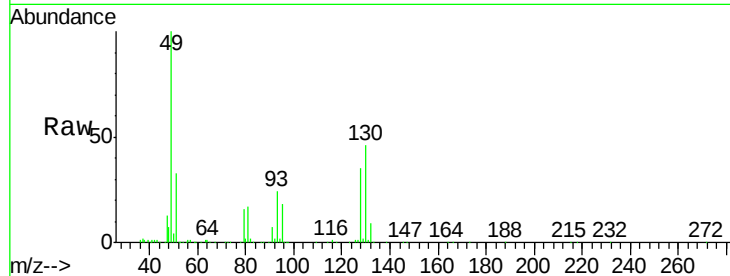
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 893
 Delta R.T. -0.03 min
 Lab File: VL036174.D
 Acq: 16 Dec 2020 19:53

Instrument :
 MSVOA_L
 ClientSampled :
 MID

Tgt Ion: 49 Resp: 1464122
 Ion Ratio Lower Upper
 49 100
 128 35.9 21.1 63.1
 130 45.2 27.1 81.3

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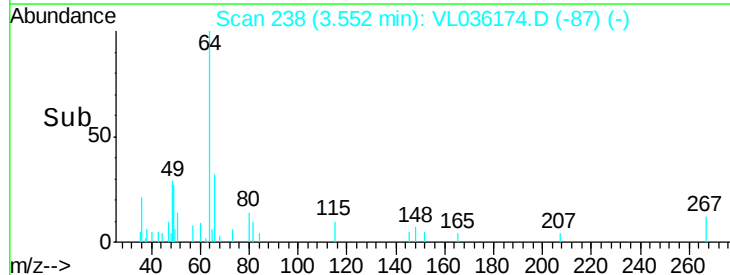
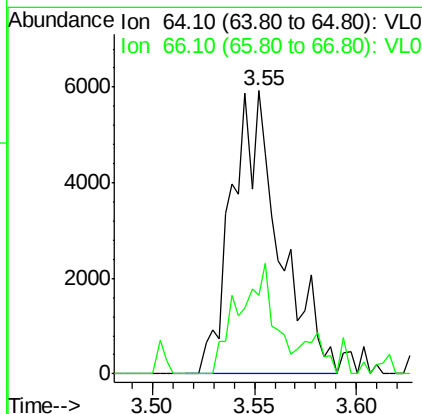
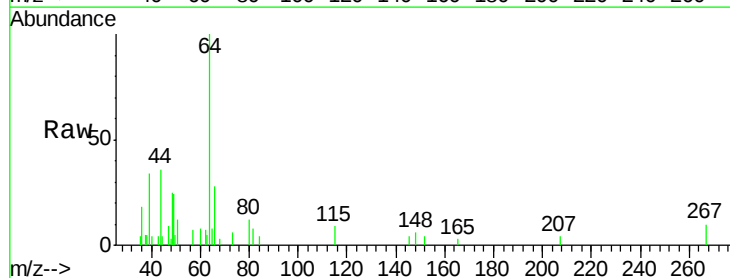
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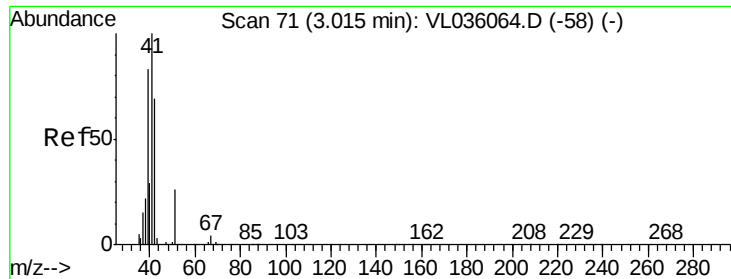


#7

Chloroethane
 Concen: 0.312 ppbv m
 RT: 3.55 min Scan# 238
 Delta R.T. -0.01 min
 Lab File: VL036174.D
 Acq: 16 Dec 2020 19:53

Tgt Ion: 64 Resp: 9712
 Ion Ratio Lower Upper
 64 100
 66 27.9 27.7 41.5





#9

Propene

Concen: 0.165 ppbv m

RT: 3.01 min Scan# 69

Delta R.T. -0.01 min

Lab File: VL036174.D

Acq: 16 Dec 2020 19:53

Instrument :

MSVOA_L

ClientSampleId :

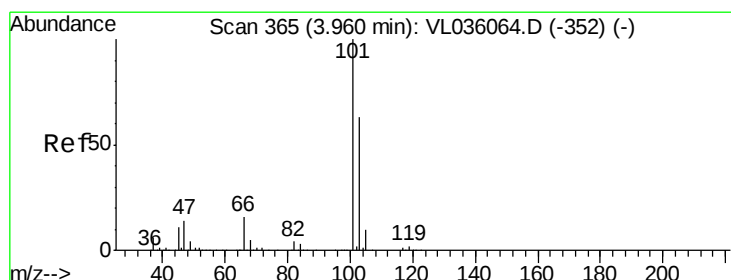
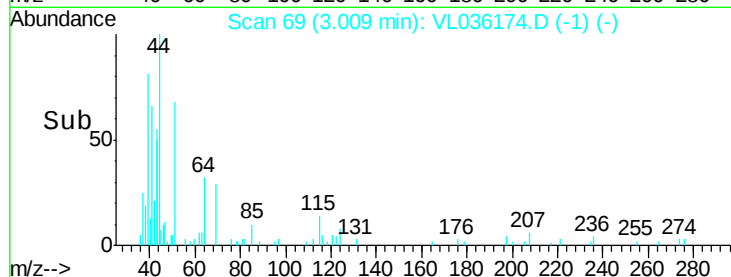
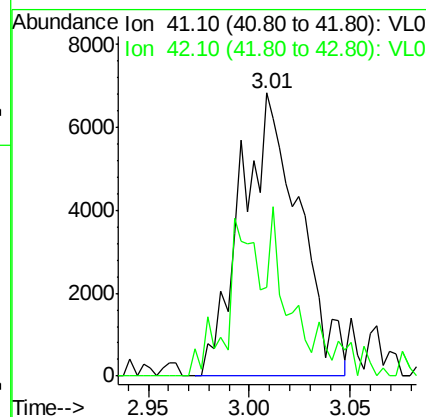
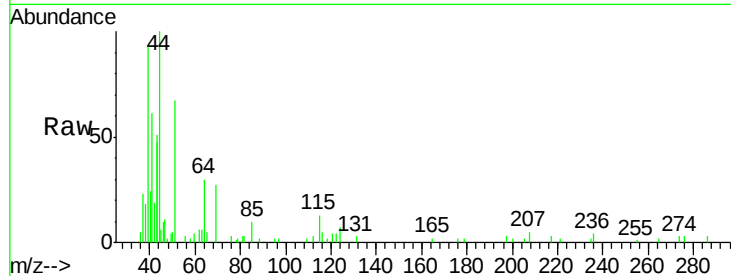
MID

Tgt Ion: 41 Resp: 13792

Ion	Ratio	Lower	Upper
41	100		
42	0.0	57.0	85.6#

Manual Integrations
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#11

Trichlorofluoromethane

Concen: 0.106 ppbv m

RT: 3.95 min Scan# 361

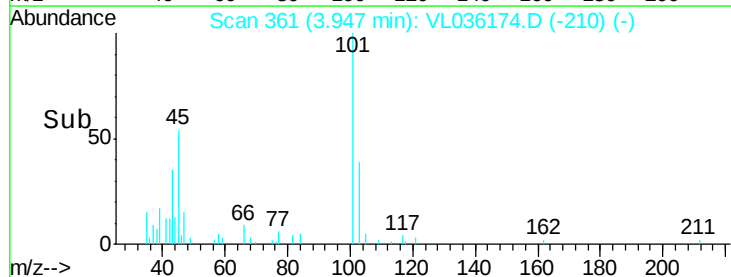
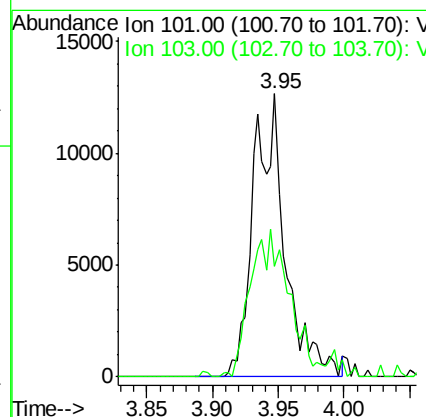
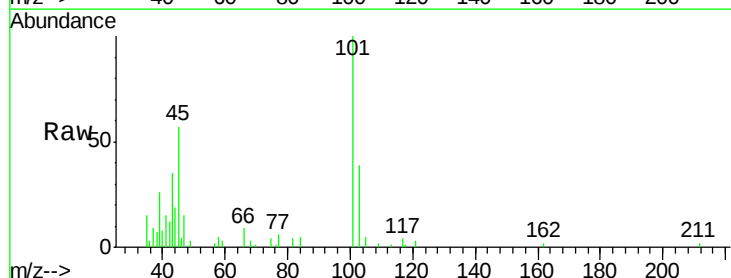
Delta R.T. -0.01 min

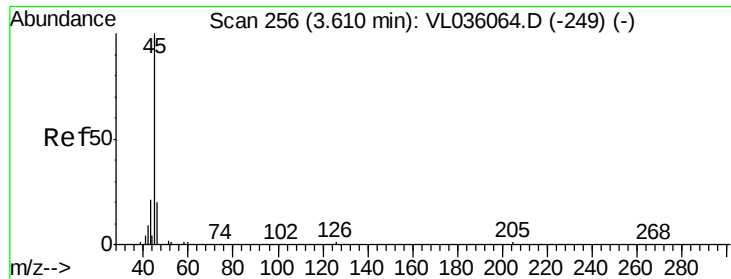
Lab File: VL036174.D

Acq: 16 Dec 2020 19:53

Tgt Ion: 101 Resp: 21340

Ion	Ratio	Lower	Upper
101	100		
103	39.0	50.3	75.5#





#13

Ethanol

Concen: 5.336 ppbv m

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL036174.D

Acq: 16 Dec 2020 19:53

Instrument :

MSVOA_L

ClientSampled :

MID

Tgt Ion: 45 Resp: 61554

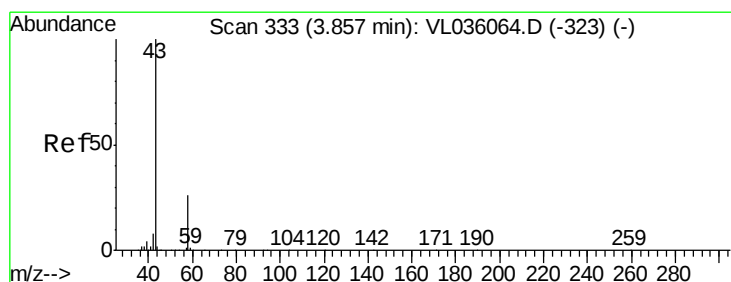
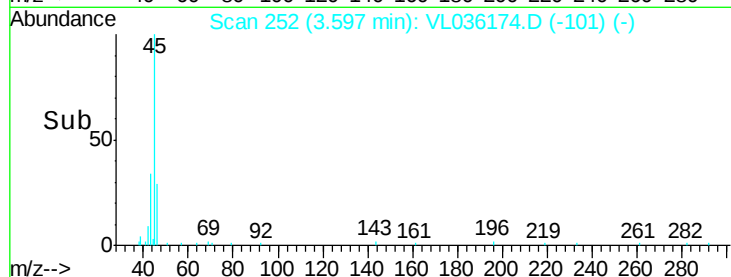
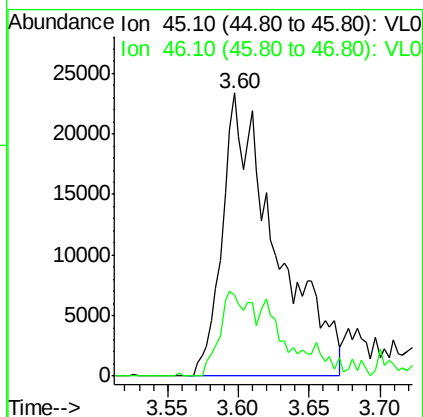
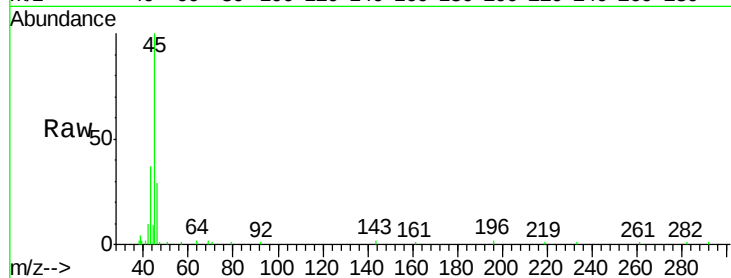
Ion Ratio Lower Upper

45 100

46 34.6 19.0 75.8

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#15

Acetone

Concen: 0.589 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL036174.D

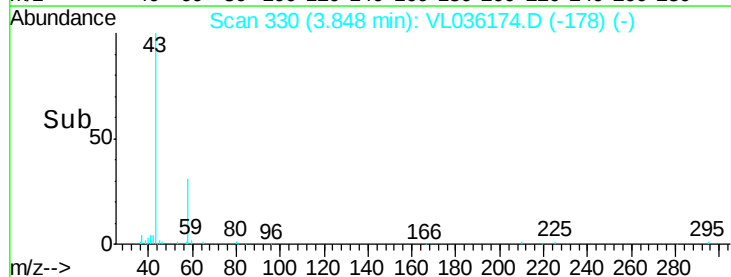
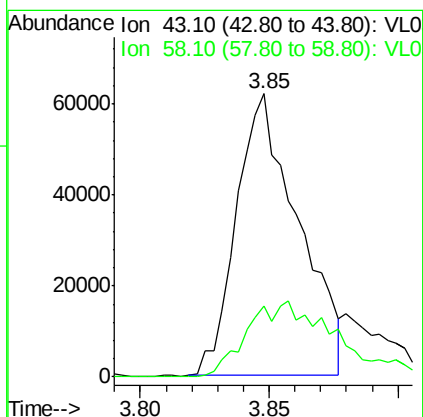
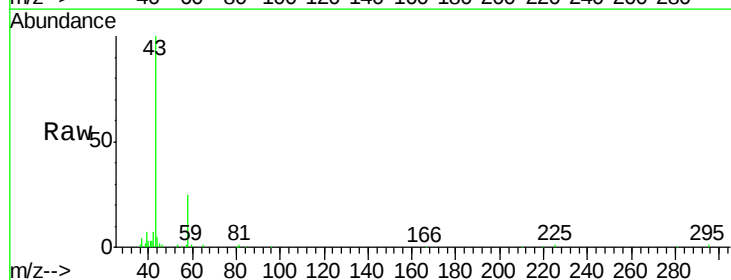
Acq: 16 Dec 2020 19:53

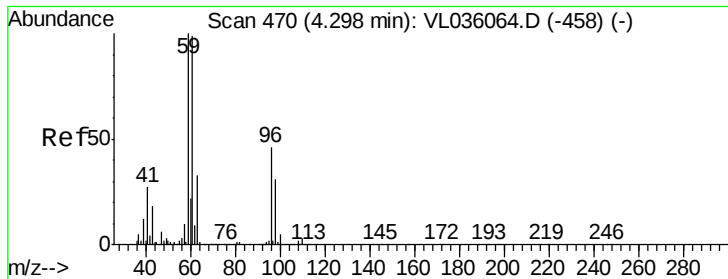
Tgt Ion: 43 Resp: 103605

Ion Ratio Lower Upper

43 100

58 41.6 20.9 31.3#





#18

1,1-Dichloroethene

Concen: 0.213 ppbv m

RT: 4.28 min Scan# 464

Delta R.T. -0.02 min

Lab File: VL036174.D

Acq: 16 Dec 2020 19:53

Instrument :

MSVOA_L

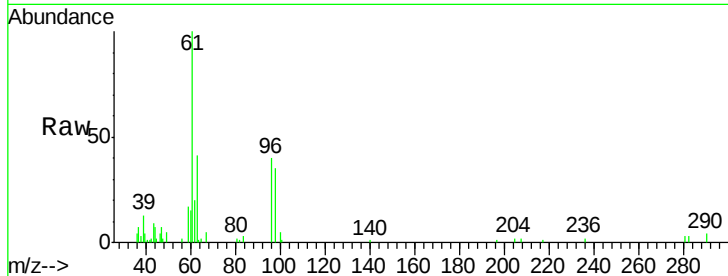
ClientSampled :

MID

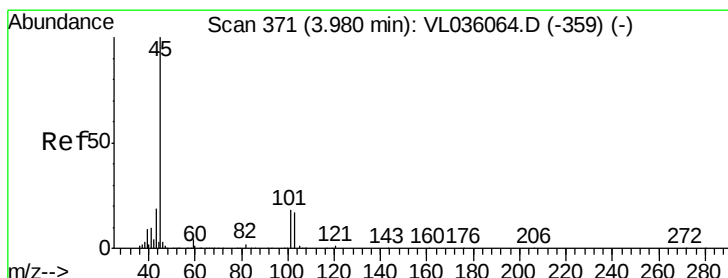
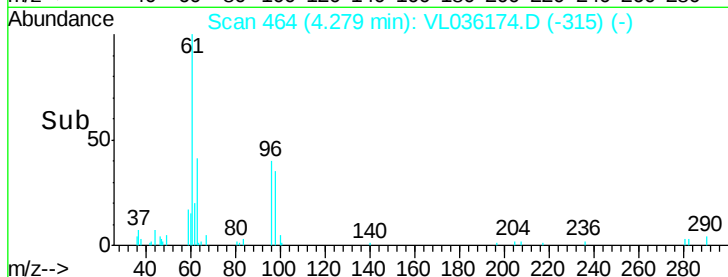
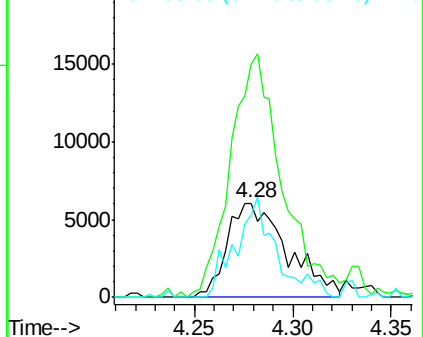
Tgt Ion	Ratio	Lower	Upper
96	100		
61	248.2	171.4	257.2
98	87.7	54.2	81.2#

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Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0



#19

Isopropyl Alcohol

Concen: 1.391 ppbv

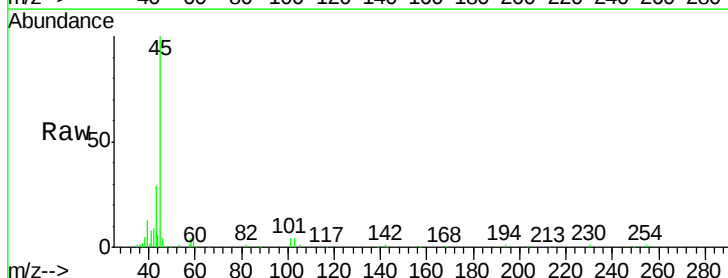
RT: 3.97 min Scan# 368

Delta R.T. -0.01 min

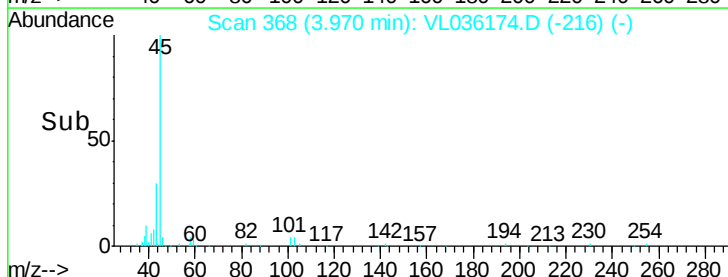
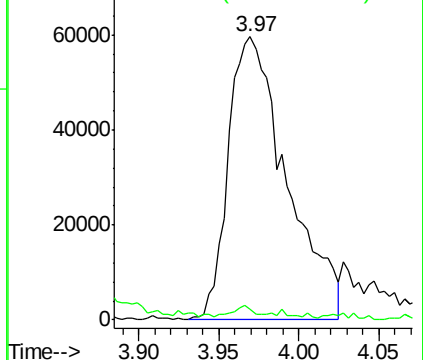
Lab File: VL036174.D

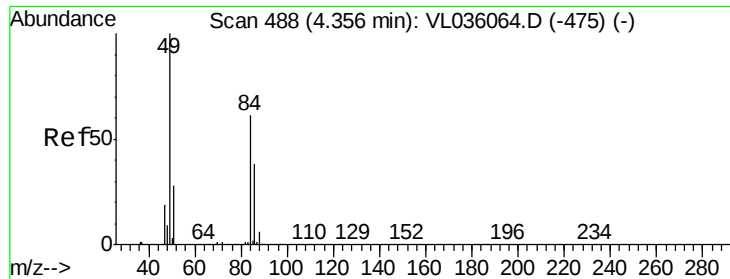
Acq: 16 Dec 2020 19:53

Tgt Ion	Ratio	Lower	Upper
45	100		
58	1.9	0.0	0.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





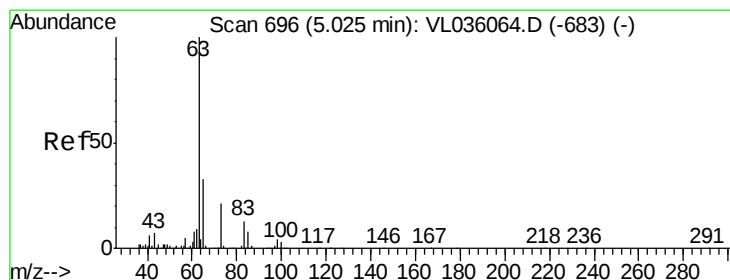
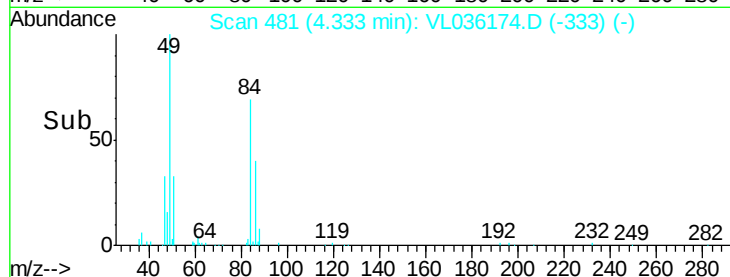
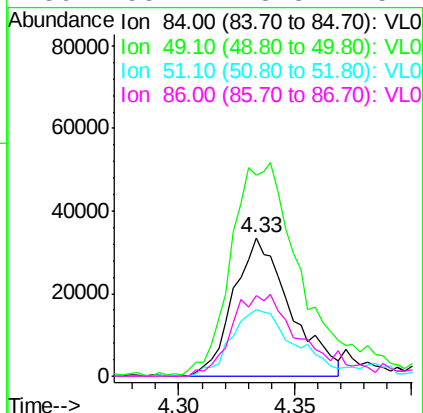
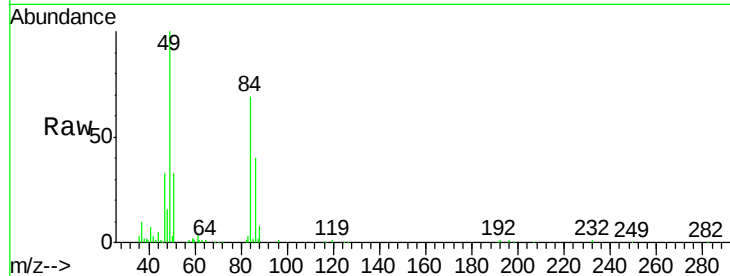
#20
Methylene Chloride
Concen: 0.793 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.02 min
Lab File: VL036174.D
Acq: 16 Dec 2020 19:53

Instrument :
MSVOA_L
ClientSampleId :
MID

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.3	133.0	199.4
51	48.1	38.9	58.3
86	58.1	48.8	73.2

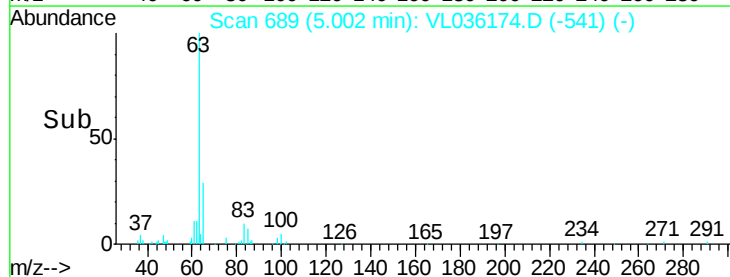
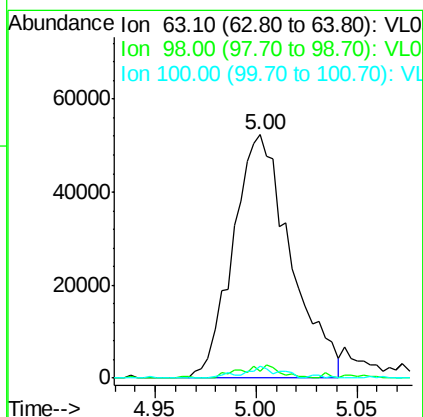
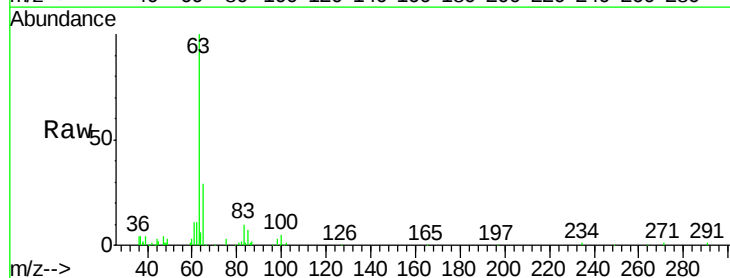
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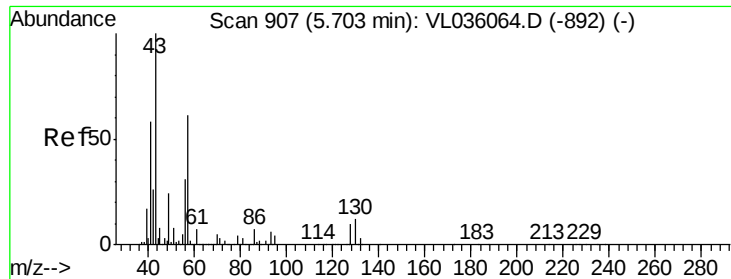
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#24
1,1-Dichloroethane
Concen: 0.633 ppbv
RT: 5.00 min Scan# 689
Delta R.T. -0.02 min
Lab File: VL036174.D
Acq: 16 Dec 2020 19:53

Tgt Ion	Ratio	Lower	Upper
63	100		
98	2.9	2.2	6.6
100	4.9	1.5	4.4#





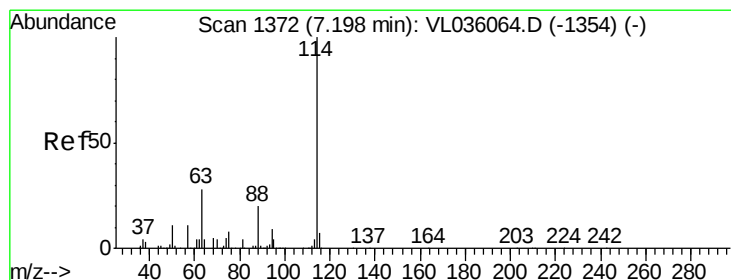
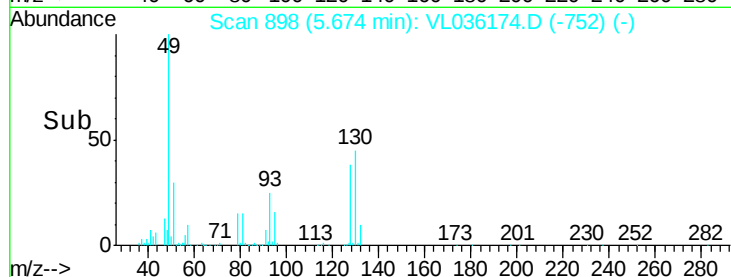
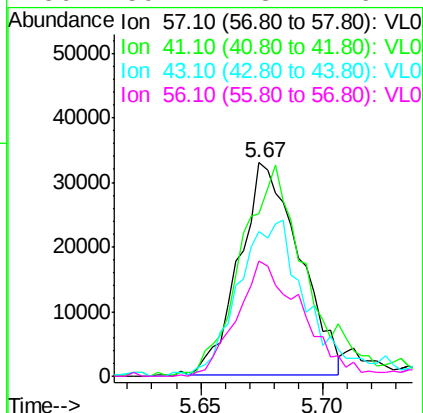
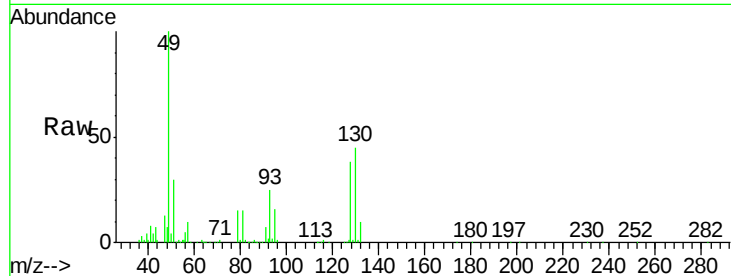
#26
Hexane
Concen: 0.354 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.03 min
Lab File: VL036174.D
Acq: 16 Dec 2020 19:53

Instrument :
MSVOA_L
ClientSampleID :
MID

Tgt Ion	Ratio	Lower	Upper
57	100		
41	116.9	82.9	124.3
43	90.9	199.9	299.9#
56	59.1	43.1	64.7

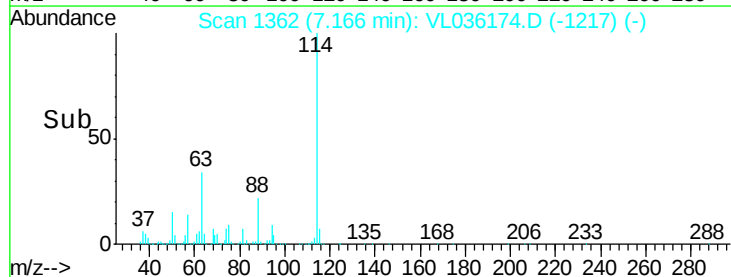
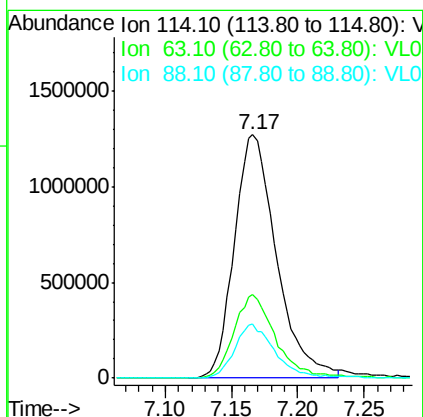
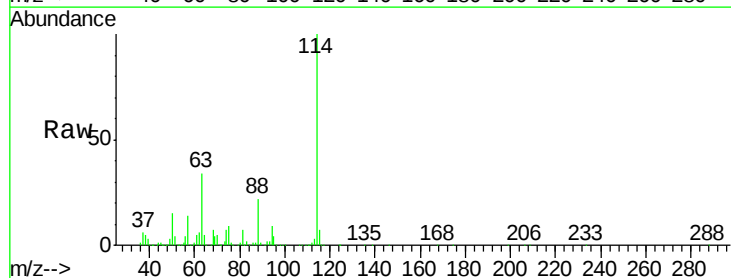
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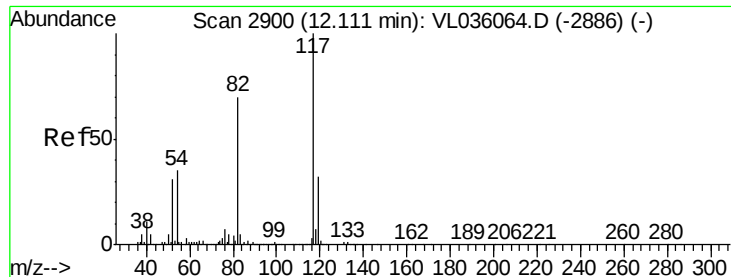
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.03 min
Lab File: VL036174.D
Acq: 16 Dec 2020 19:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	34.4	23.6	35.4
88	21.6	15.8	23.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. -0.03 min

Lab File: VL036174.D

Acq: 16 Dec 2020 19:53

Instrument :

MSVOA_L

ClientSampleId :

MID

Tgt Ion: 117 Resp: 2591803

Ion Ratio Lower Upper

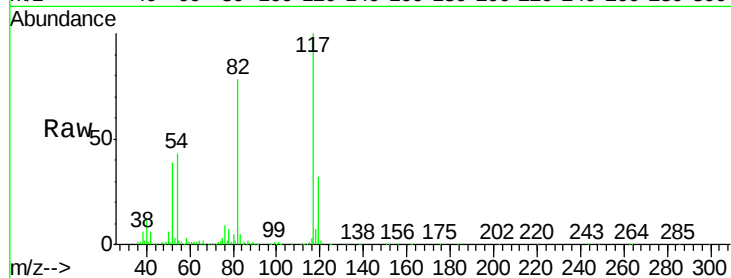
117 100

82 82.2 0.0 0.0#

119 33.7 0.0 0.0#

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

1500000 Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

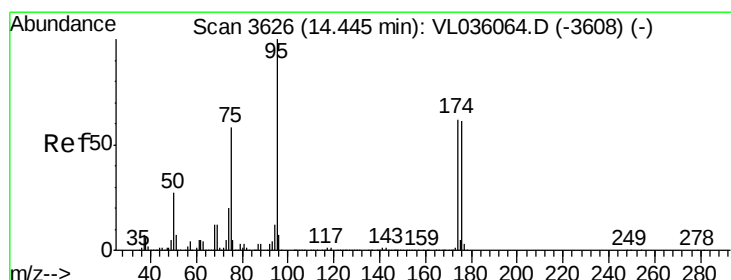
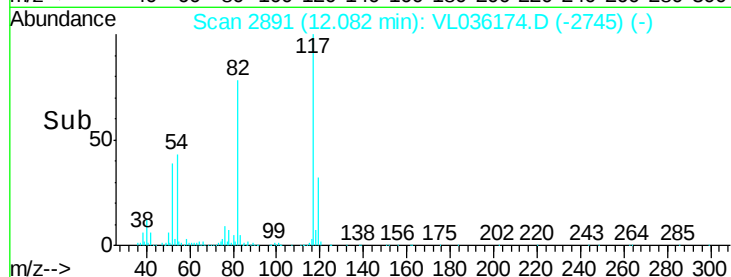
12.08

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 11.405 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.04 min

Lab File: VL036174.D

Acq: 16 Dec 2020 19:53

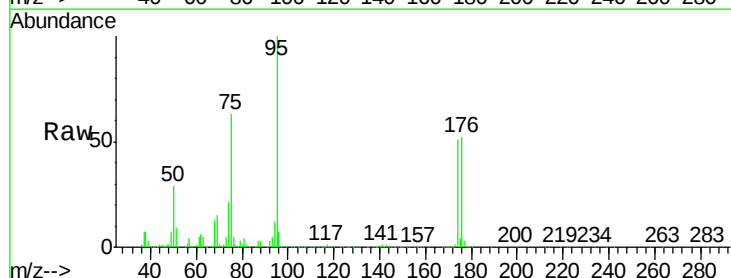
Tgt Ion: 95 Resp: 2347057

Ion Ratio Lower Upper

95 100

174 53.8 50.7 76.1

175 3.7 4.0 6.0#



Abundance Ion 95.10 (94.80 to 95.80): VL0

1200000 Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.41

1000000

800000

600000

400000

200000

0

Time-->

