

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031020\
 Data File : VL034882.D
 Acq On : 11 Mar 2020 8:59
 Operator : SY/AP
 Sample : L1861-01DUPDL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 O-1DLDP

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 9:15:41 AM

Quant Time: Mar 11 14:58:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	864293	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	1974170	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	1944325	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1591933	10.50	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.98	41	1810068m	39.267	ppbv	
10) Heptane	8.13	43	709488	6.254	ppbv	98
13) Ethanol	3.57	45	609773	43.511	ppbv	92
15) Acetone	3.81	43	1932674	17.253	ppbv #	87
17) tert-Butyl alcohol	4.27	59	169002	1.566	ppbv #	72
19) Isopropyl Alcohol	3.94	45	82450	1.166	ppbv #	1
26) Hexane	5.67	57	2712291	31.560	ppbv #	40
44) 2,2,4-Trimethylpentane	7.87	57	55816m	0.188	ppbv	
53) Toluene	9.82	91	141110	0.694	ppbv	95
59) m/p-Xylene	12.98	91	124363m	0.564	ppbv	

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

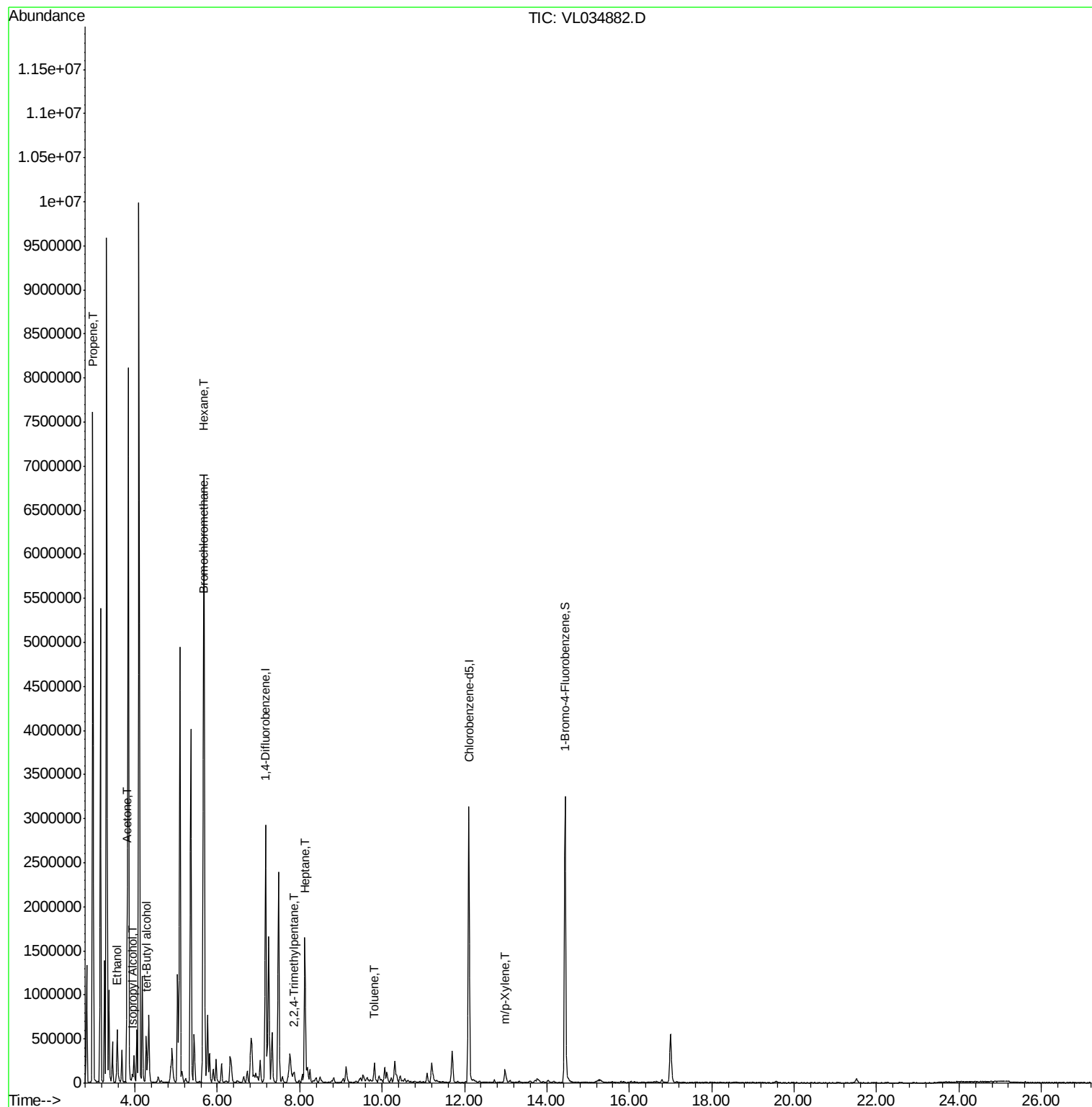
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL031020\
Data File : VL034882.D
Acq On : 11 Mar 2020 8:59
Operator : SY/AP
Sample : L1861-01DUPDL 10X
Misc : 400ml/MSVOA L
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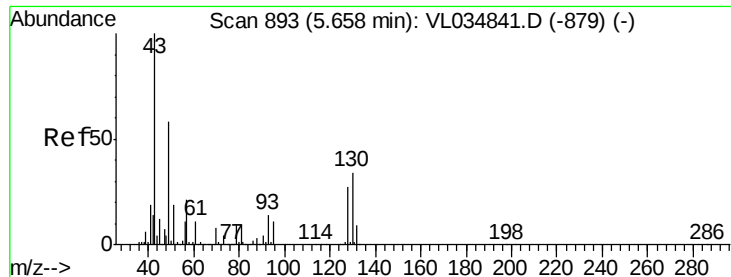
Instrument :
MSVOA_L
ClientSampleId :
O-1DLDP

Manual Integrations
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MMDadoda
3/16/2020 9:15:41 AM

Quant Time: Mar 11 14:58:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL034882.D

Acq: 11 Mar 2020 8:59

Instrument :

MSVOA_L

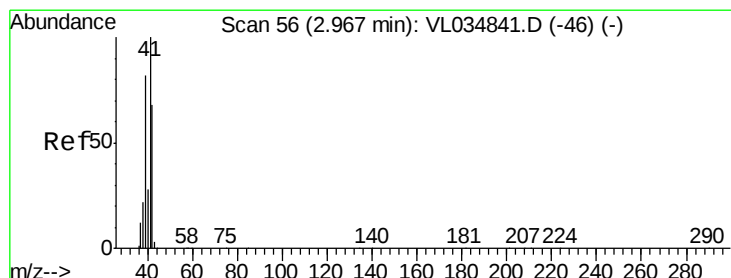
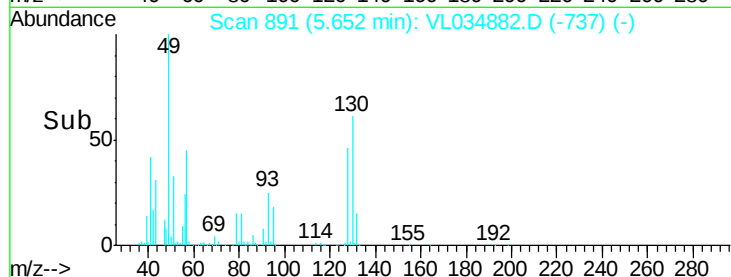
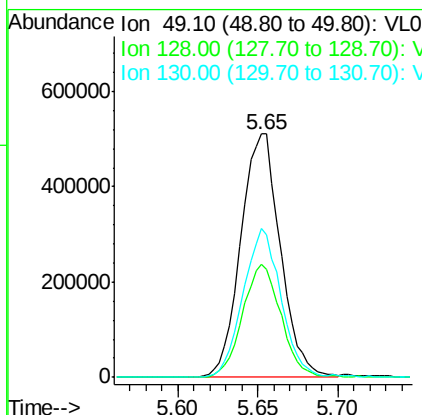
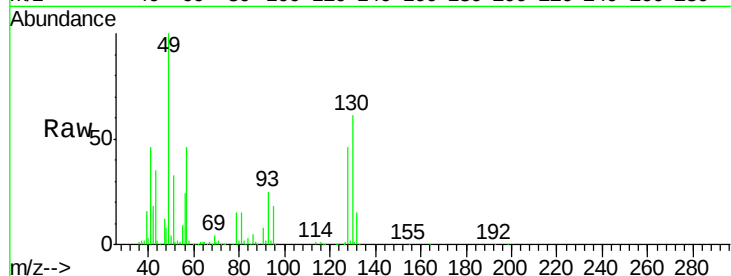
ClientSampleId :

O-1DLDP

Tot Ion:	49	Resp:	864293
Ion Ratio	Lower	Upper	
49	100		
128	45.4	23.4	70.3
130	59.2	30.0	90.0

Manual Integrations
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#9

Propene

Concen: 39.267 ppbv m

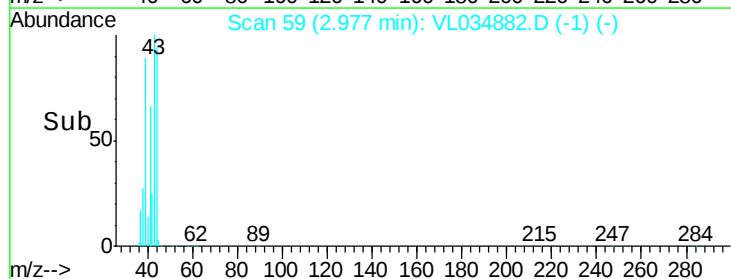
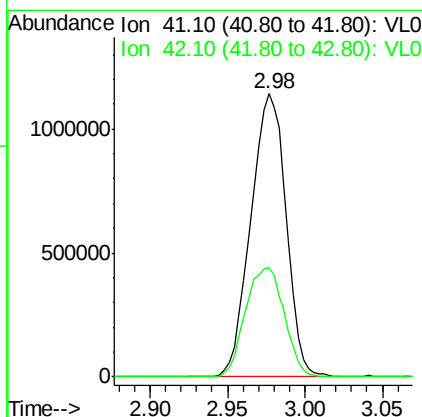
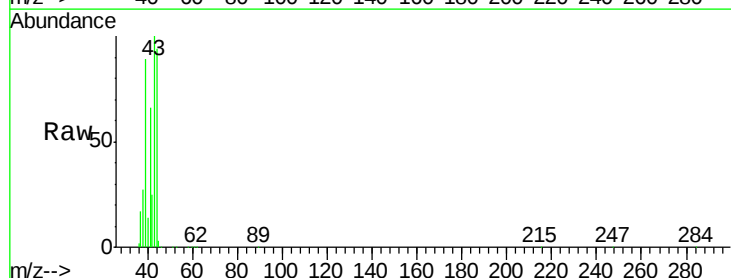
RT: 2.98 min Scan# 59

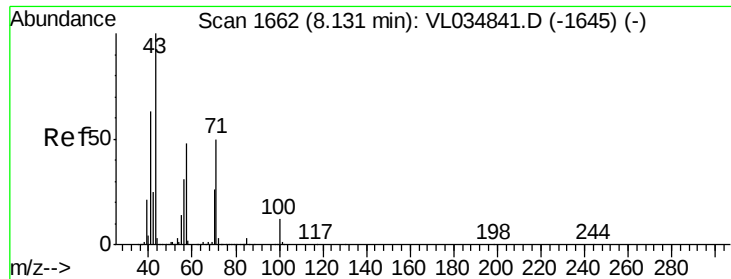
Delta R.T. 0.01 min

Lab File: VL034882.D

Acq: 11 Mar 2020 8:59

Tgt Ion:	41	Resp:	1810068
Ion Ratio	Lower	Upper	
41	100		
42	53.6	55.2	82.8#





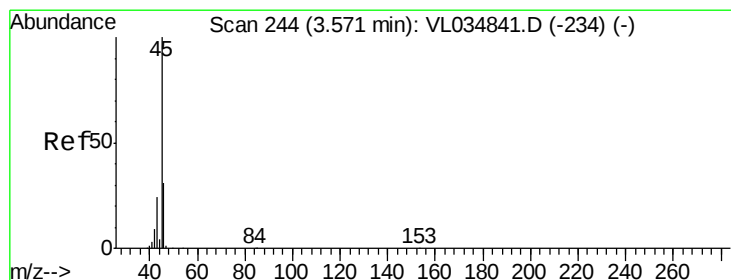
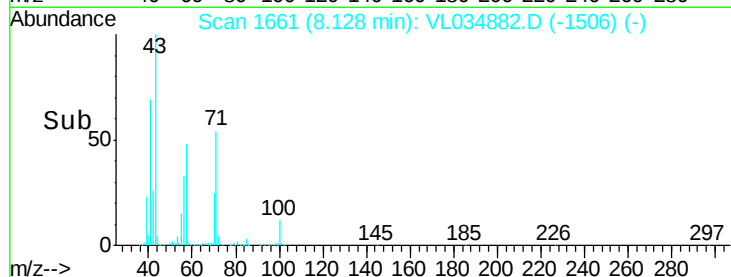
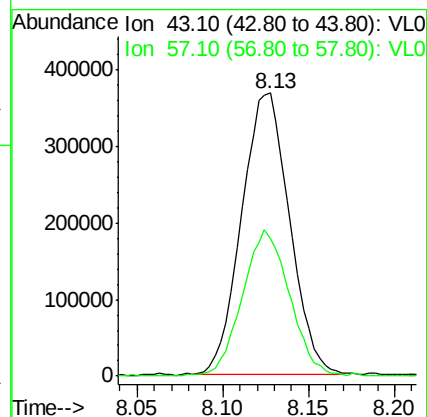
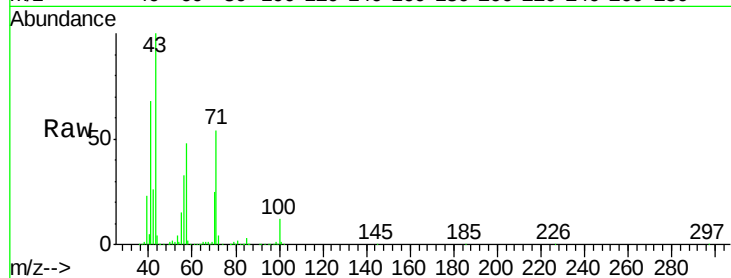
#10
Heptane
Concen: 6.254 ppbv
RT: 8.13 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VL034882.D
Acq: 11 Mar 2020 8:59

Instrument :
MSVOA_L
ClientSampleId :
O-1DLDP

Tot Ion: 43 Resp: 709488
Ion Ratio Lower Upper
43 100
57 50.9 39.7 59.5

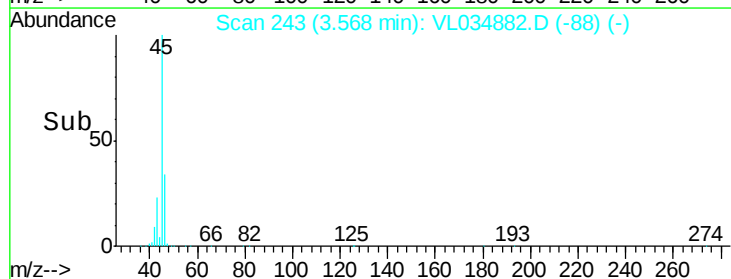
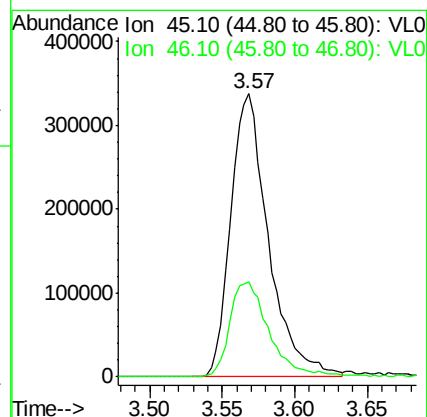
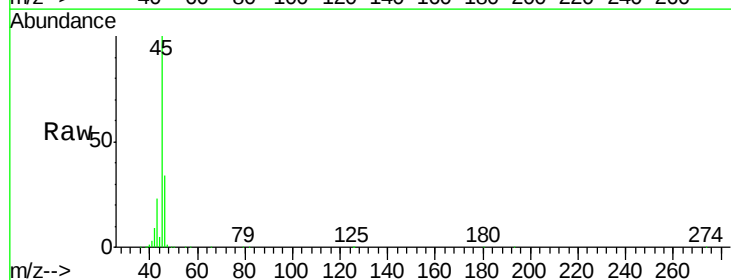
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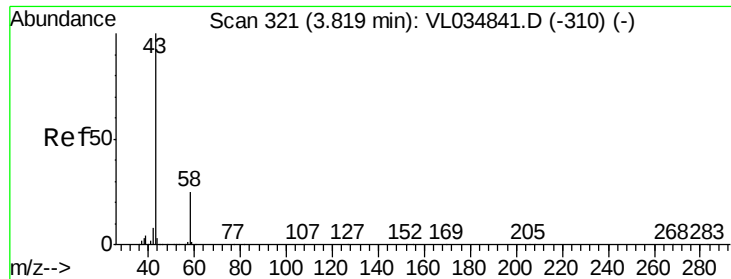
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#13
Ethanol
Concen: 43.511 ppbv
RT: 3.57 min Scan# 243
Delta R.T. -0.00 min
Lab File: VL034882.D
Acq: 11 Mar 2020 8:59

Tgt Ion: 45 Resp: 609773
Ion Ratio Lower Upper
45 100
46 35.2 16.0 64.0





#15

Acetone

Concen: 17.253 ppbv

RT: 3.81 min Scan# 318

Delta R.T. -0.01 min

Lab File: VL034882.D

Acq: 11 Mar 2020 8:59

Instrument :

MSVOA_L

ClientSampleId :

O-1DLDP

Tot Ion: 43 Resp: 1932674

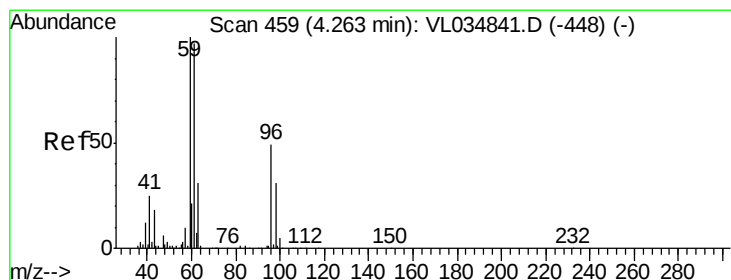
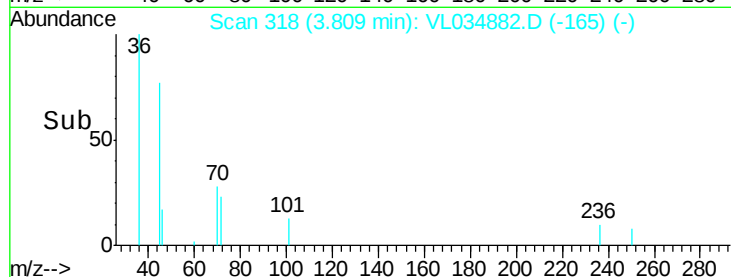
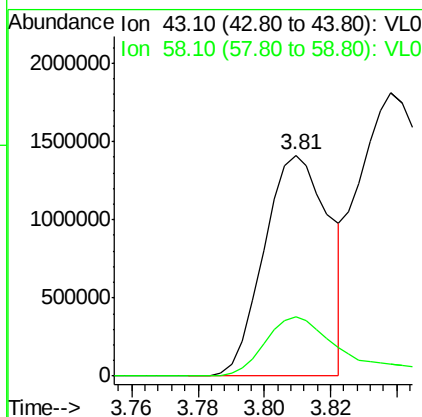
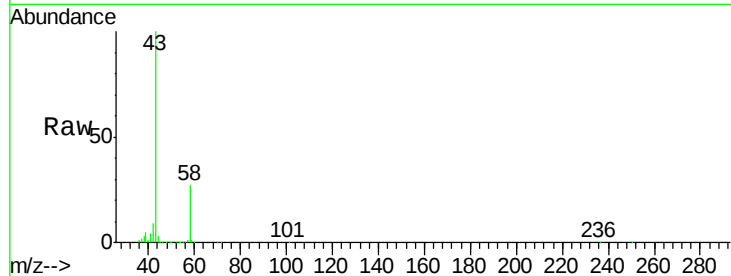
Ion Ratio Lower Upper

43 100

58 32.8 21.0 31.6#

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#17

tert-Butyl alcohol

Concen: 1.566 ppbv

RT: 4.27 min Scan# 462

Delta R.T. 0.01 min

Lab File: VL034882.D

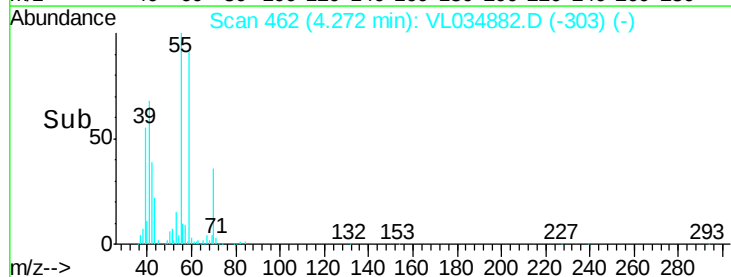
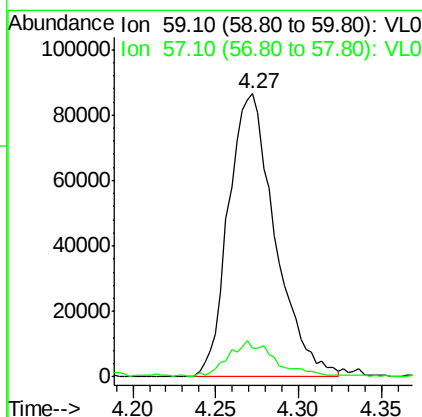
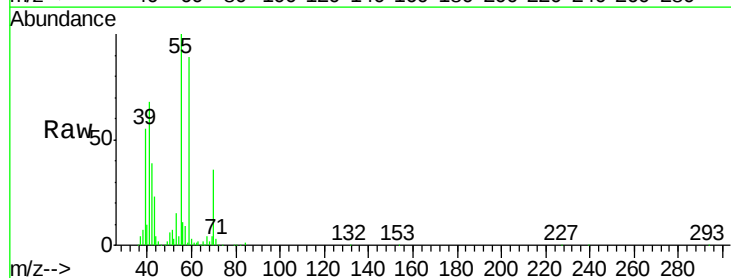
Acq: 11 Mar 2020 8:59

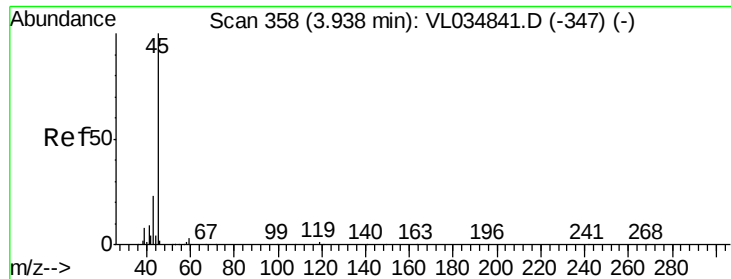
Tgt Ion: 59 Resp: 169002

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





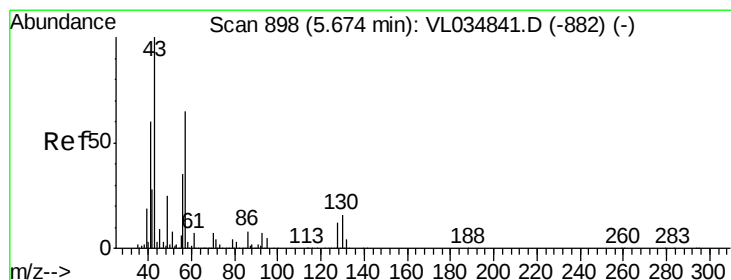
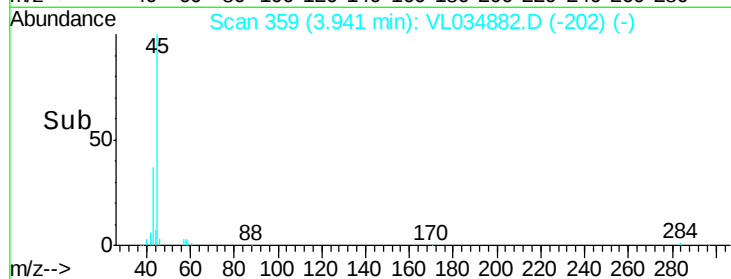
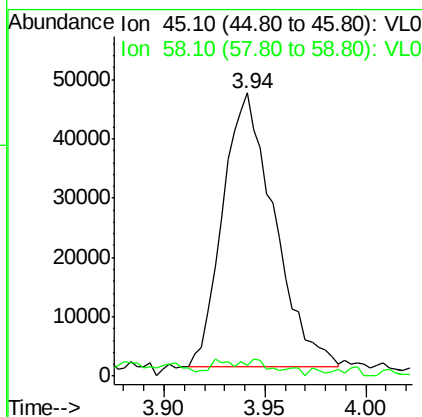
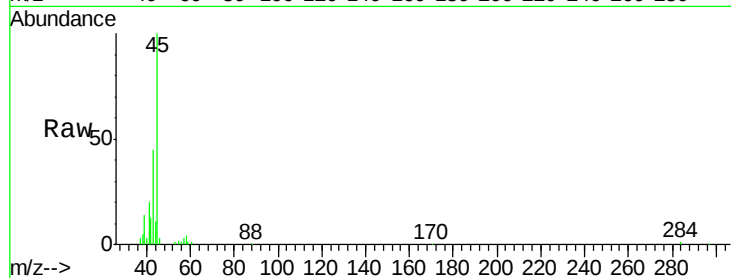
#19
Isopropyl Alcohol
Concen: 1.166 ppbv
RT: 3.94 min Scan# 359
Delta R.T. 0.00 min
Lab File: VL034882.D
Acq: 11 Mar 2020 8:59

Instrument :
MSVOA_L
ClientSampleID :
O-1DLDP

Tot Ion	Ratio	Lower	Upper
45	100		
58	768.4	30.5	45.7#

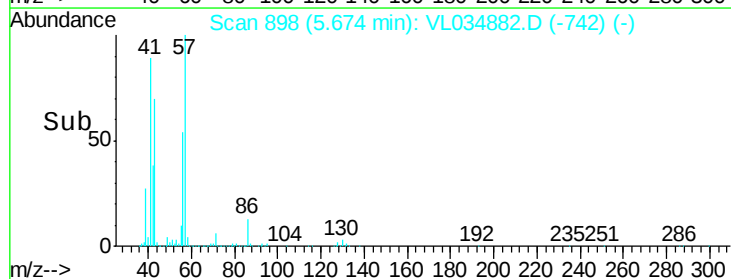
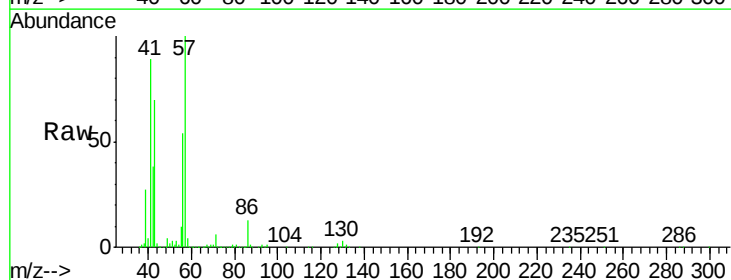
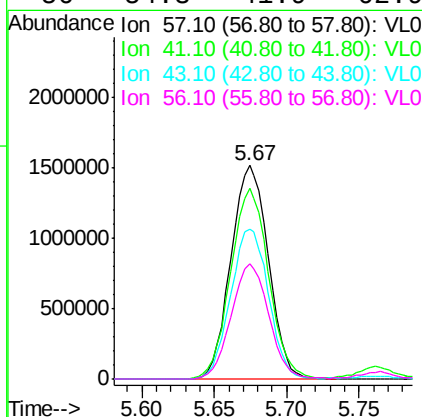
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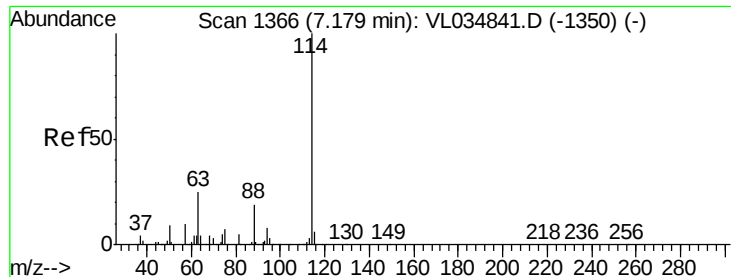
MMDadoda
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#26
Hexane
Concen: 31.560 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034882.D
Acq: 11 Mar 2020 8:59

Tgt Ion	Ratio	Lower	Upper
57	100		
41	91.6	72.6	109.0
43	71.4	183.8	275.6#
56	54.3	41.9	62.9





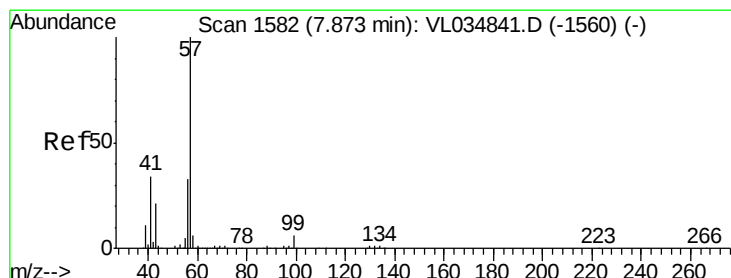
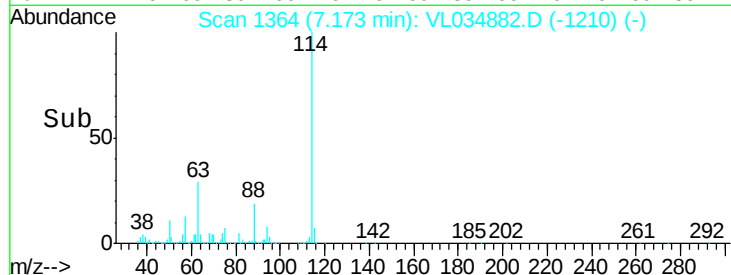
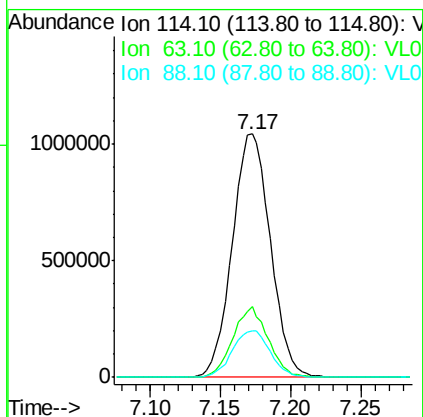
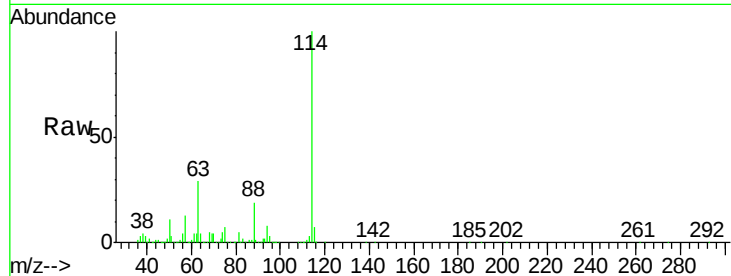
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL034882.D
 Acq: 11 Mar 2020 8:59

Instrument :
 MSVOA_L
 ClientSampleId :
 O-1DLDP

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.9	20.6	31.0
88	19.1	15.0	22.6

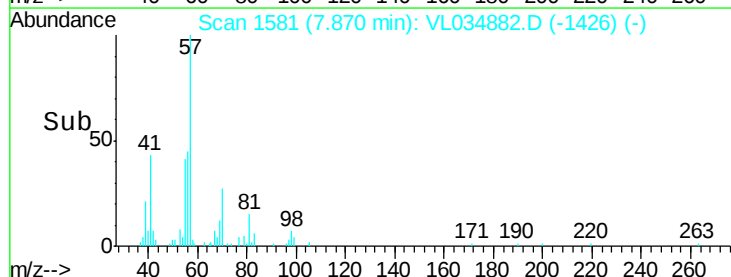
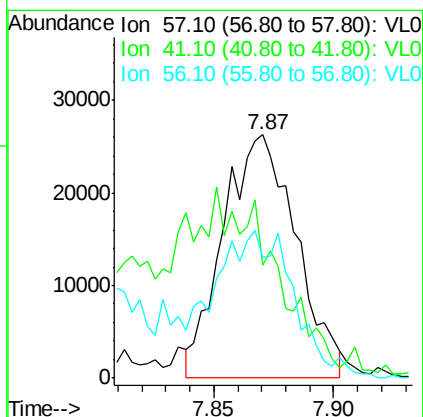
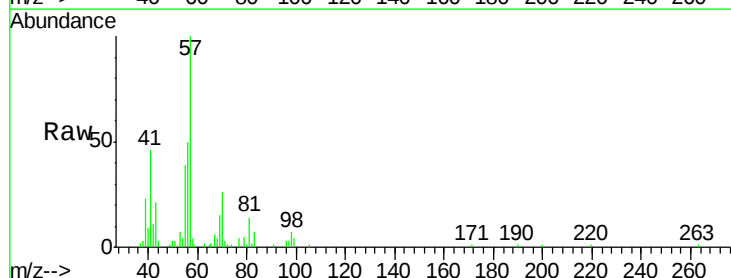
Manual Integrations
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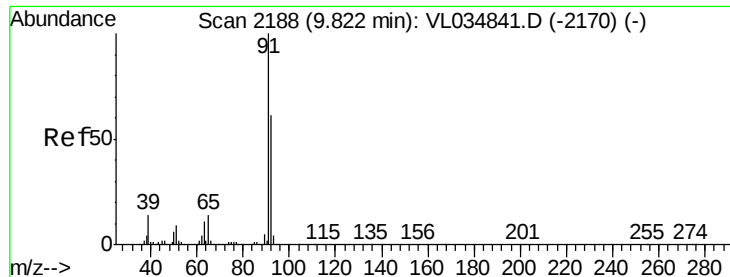
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#44
 2,2,4-Trimethylpentane
 Concen: 0.188 ppbv m
 RT: 7.87 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VL034882.D
 Acq: 11 Mar 2020 8:59

Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.2	39.4#
56	65.8	25.0	37.4#





#53

Toluene

Concen: 0.694 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL034882.D

Acq: 11 Mar 2020 8:59

Instrument :

MSVOA_L

ClientSampleId :

O-1DLDP

Tot Ion: 91 Resp: 141110

Ion Ratio Lower Upper

91 100

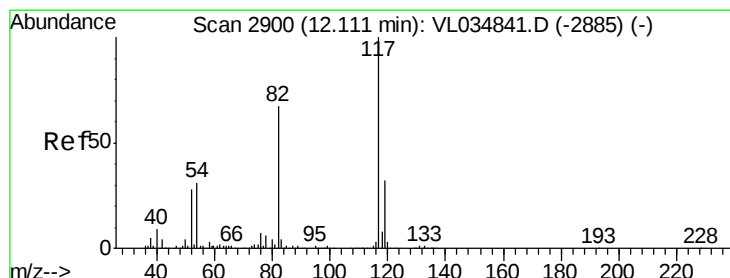
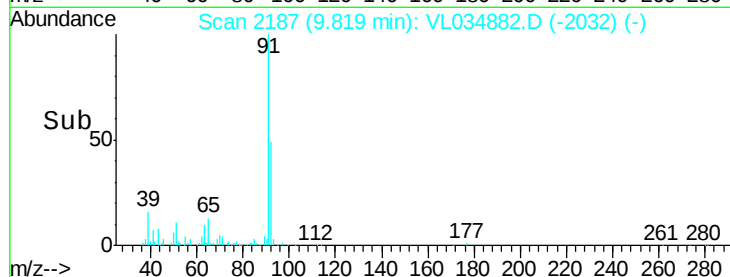
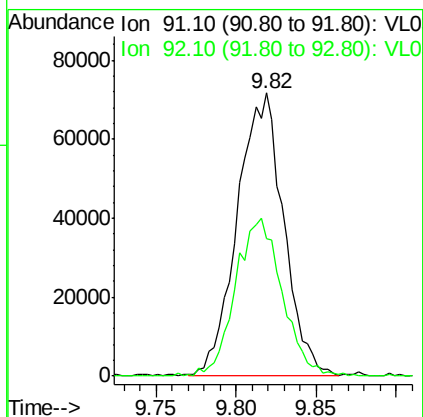
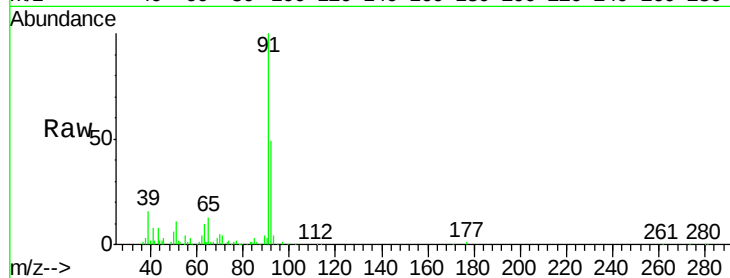
92 56.7 48.6 72.8

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.01 min

Lab File: VL034882.D

Acq: 11 Mar 2020 8:59

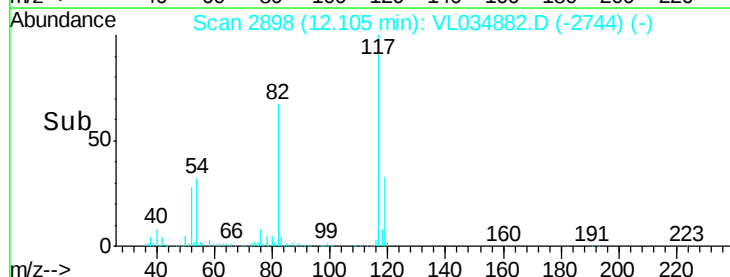
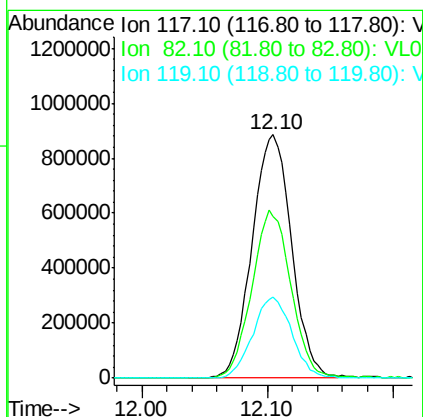
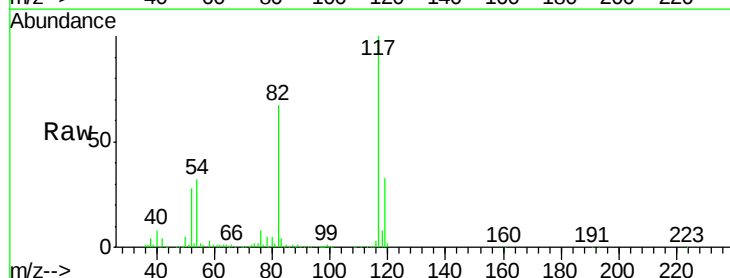
Tgt Ion: 117 Resp: 1944325

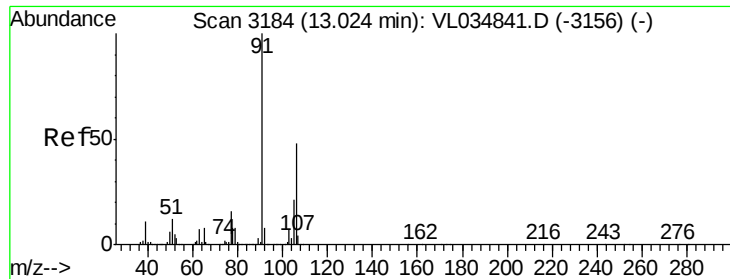
Ion Ratio Lower Upper

117 100

82 68.0 51.1 76.7

119 33.0 27.3 40.9





#59

m/p-Xylene

Concen: 0.564 ppbv m

RT: 12.98 min Scan# 3171

Delta R.T. -0.04 min

Lab File: VL034882.D

Acq: 11 Mar 2020 8:59

Instrument :

MSVOA_L

ClientSampled :

O-1DLDP

Tot Ion: 91 Resp: 124363

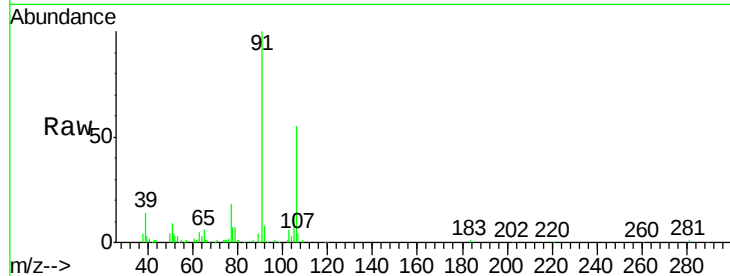
Ion Ratio Lower Upper

91 100

106 43.8 37.1 55.7

Manual Integrations
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.98

60000

50000

40000

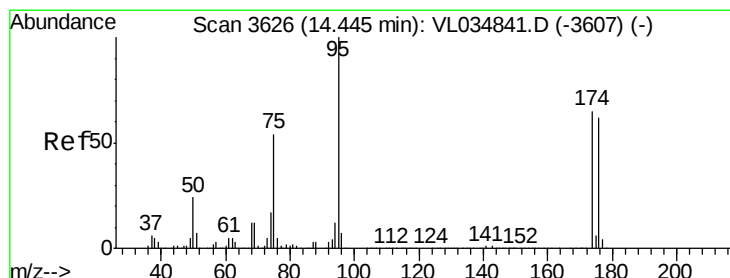
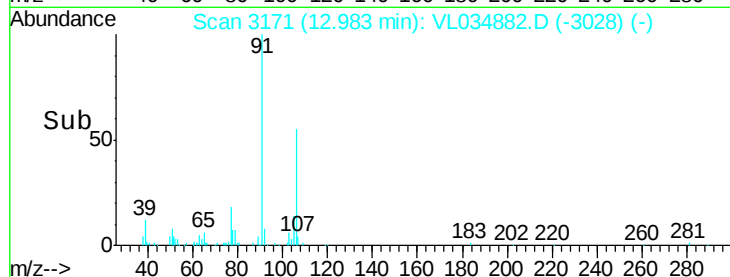
30000

20000

10000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.499 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL034882.D

Acq: 11 Mar 2020 8:59

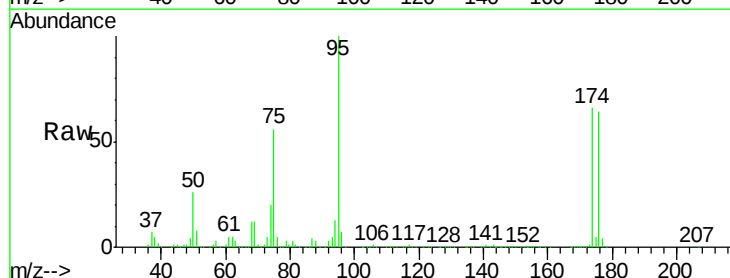
Tgt Ion: 95 Resp: 1591933

Ion Ratio Lower Upper

95 100

174 65.0 55.2 82.8

175 4.8 4.3 6.5



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

800000

600000

400000

200000

0

Time-->

