

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022620\
 Data File : VL034694.D
 Acq On : 26 Feb 2020 19:12
 Operator : SY/AP
 Sample : L1664-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ROOFTOP-BRW

Manual Integrations
 APPROVED

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 2/27/2020 5:20:01 PM

Quant Time: Feb 27 15:49:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 27 2020
 QLast Update : Wed Feb 26 06:58:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	892206	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1802913	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	1795406	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1539910	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	39326	0.279	ppbv #	83
3) Chlorodifluoromethane	2.95	51	32171m	0.334	ppbv	
4) Chloromethane	3.10	50	27535	0.511	ppbv	98
9) Propene	2.98	41	48027m	1.193	ppbv	
11) Trichlorofluoromethane	3.92	101	34005	0.276	ppbv	92
13) Ethanol	3.57	45	216527	17.030	ppbv	98
15) Acetone	3.83	43	650453	6.398	ppbv	98
19) Isopropyl Alcohol	3.96	45	55037m	0.909	ppbv	
20) Methylene Chloride	4.32	84	147337	3.897	ppbv	94
26) Hexane	5.68	57	163881	1.976	ppbv #	42
35) Carbon Tetrachloride	7.02	117	9738m	0.081	ppbv	
36) Benzene	6.90	78	36752	0.236	ppbv #	86
53) Toluene	9.83	91	199323	1.203	ppbv	98

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

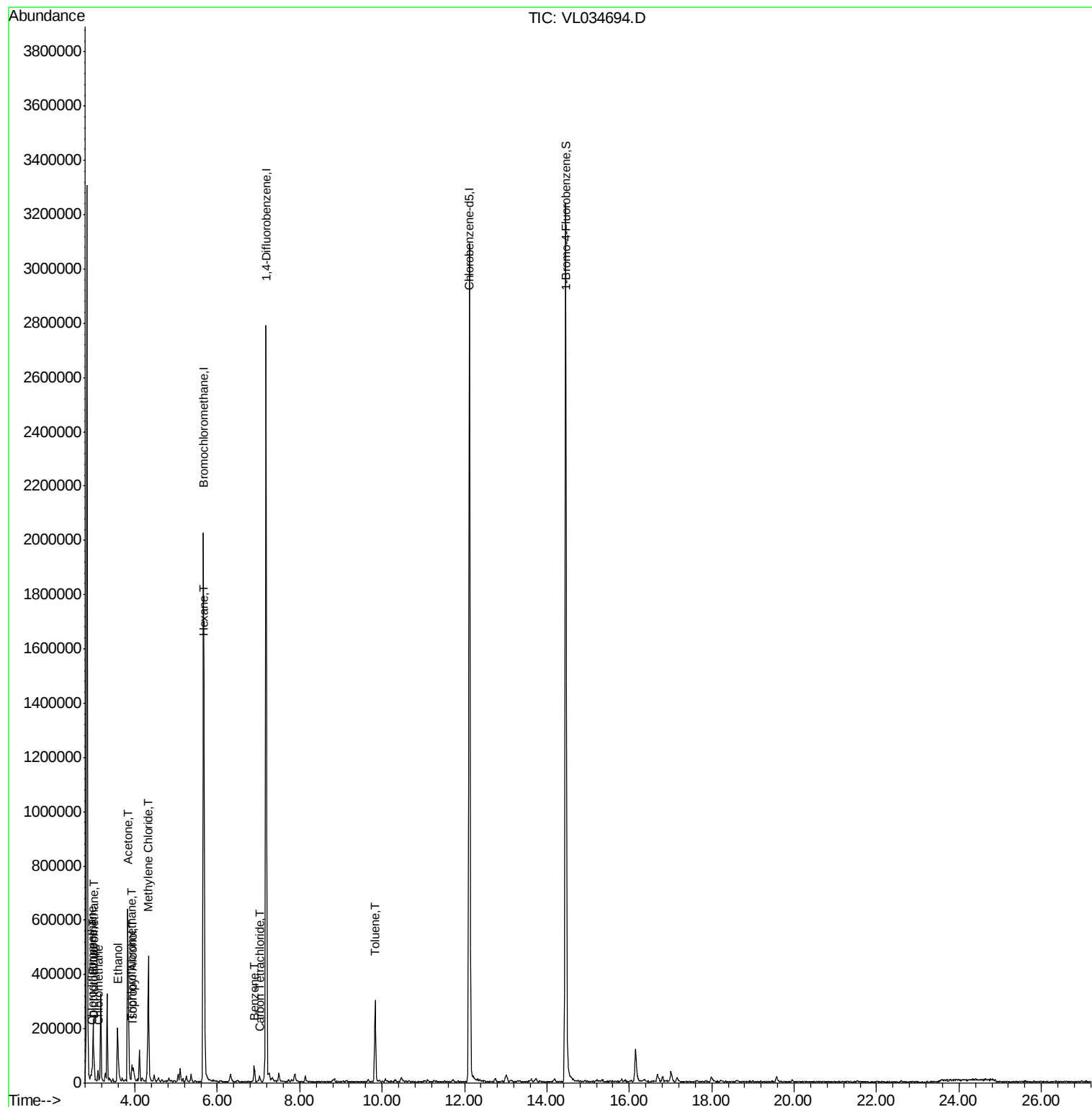
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022620\
Data File : VL034694.D
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Sample : L1664-03
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

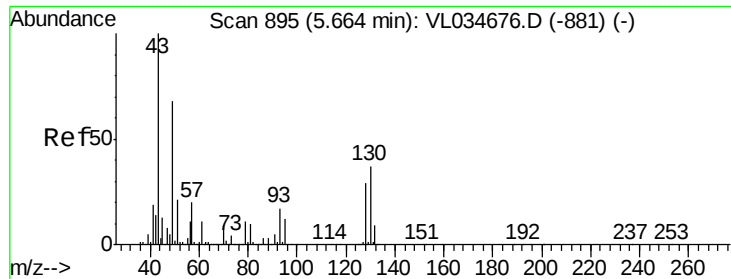
Instrument :
MSVOA_L
ClientSampleId :
ROOFTOP-BRW

Manual Integrations
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Quant Time: Feb 27 15:49:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL034694.D

Acq: 26 Feb 2020 19:12

Instrument :

MSVOA_L

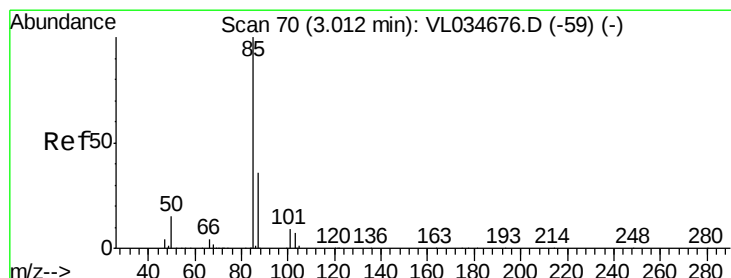
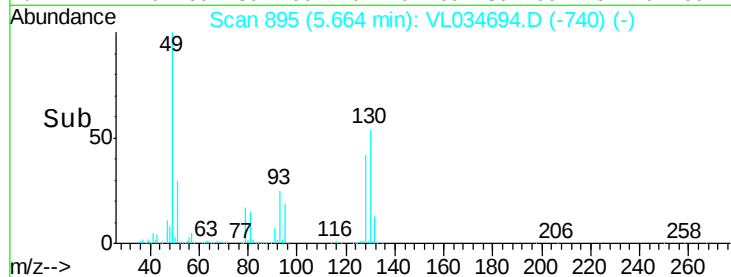
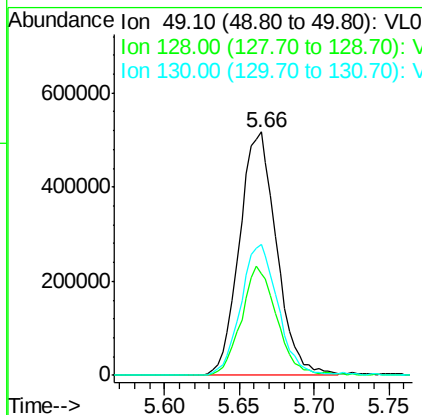
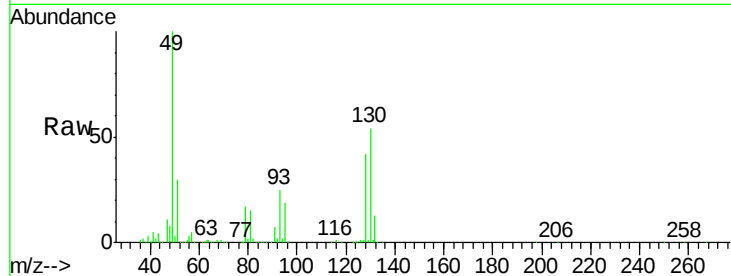
ClientSampleId :

ROOFTOP-BRW

Tot Ion:	49	Resp:	892206
Ion Ratio	Lower	Upper	
49	100		
128	43.2	21.6	65.0
130	54.4	27.7	83.1

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.279 ppbv

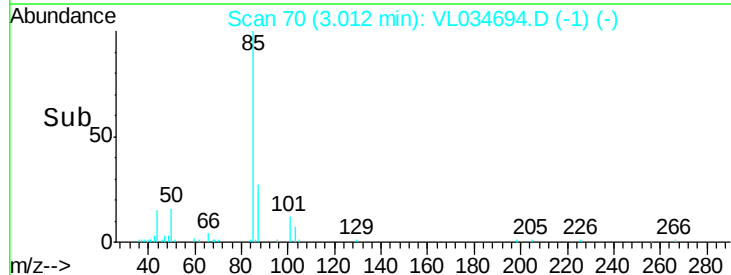
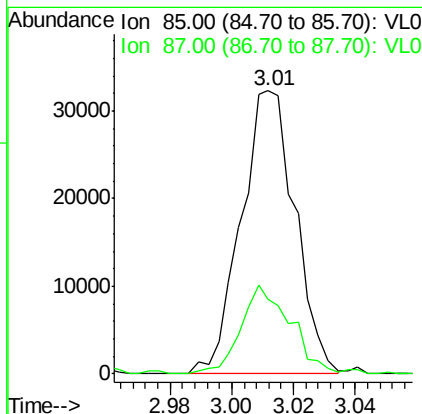
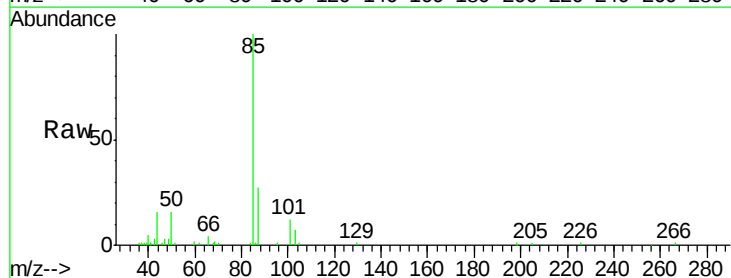
RT: 3.01 min Scan# 70

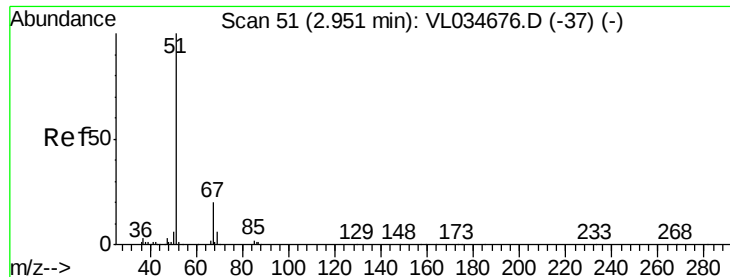
Delta R.T. -0.00 min

Lab File: VL034694.D

Acq: 26 Feb 2020 19:12

Tgt Ion:	85	Resp:	39326
Ion Ratio	Lower	Upper	
85	100		
87	26.6	29.2	43.8#





#3

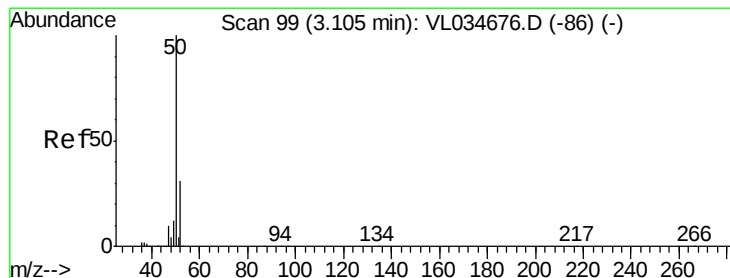
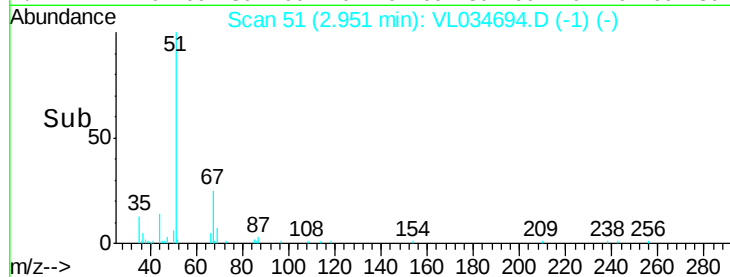
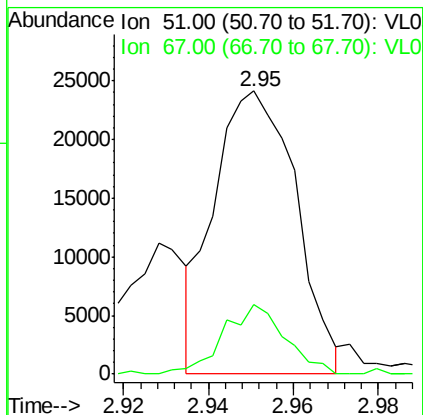
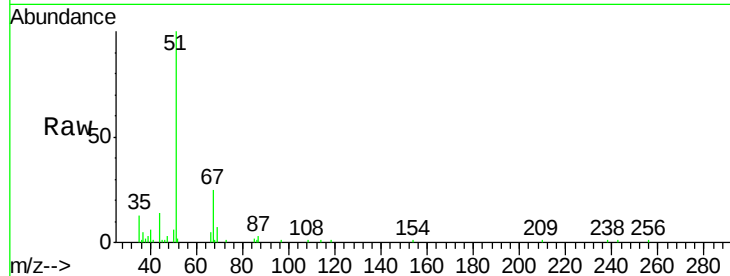
Chlorodifluoromethane
 Concen: 0.334 ppbv
 RT: 2.95 min Scan# 51
 Delta R.T. -0.00 min
 Lab File: VL034694.D
 Acq: 26 Feb 2020 19:12

Instrument :
 MSVOA_L
 ClientSampleId :
 ROOFTOP-BRW

Tot Ion	Ratio	Lower	Upper
51	100		
67	19.0	15.5	23.3

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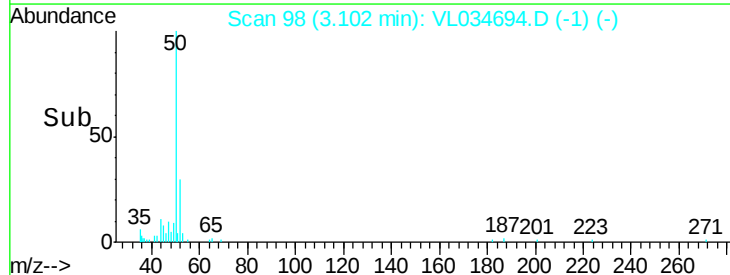
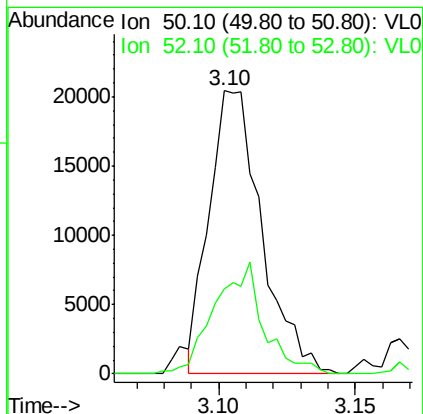
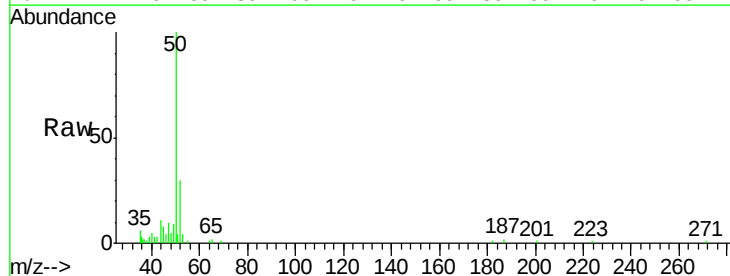
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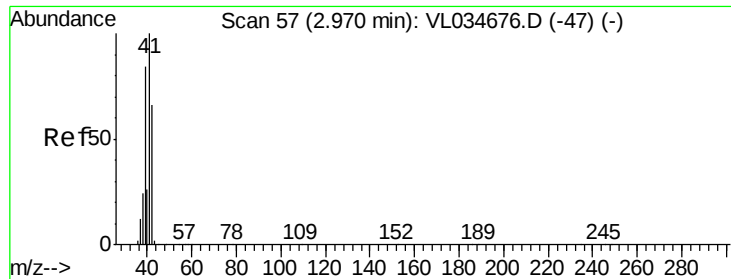


#4

Chloromethane
 Concen: 0.511 ppbv
 RT: 3.10 min Scan# 98
 Delta R.T. -0.00 min
 Lab File: VL034694.D
 Acq: 26 Feb 2020 19:12

Tgt Ion	Ratio	Lower	Upper
50	100		
52	30.0	25.0	37.4





#9

Propene

Concen: 1.193 ppbv m

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

Lab File: VL034694.D

Acq: 26 Feb 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

ROOFTOP-BRW

Tot Ion: 41 Resp: 48027

Ion Ratio Lower Upper

41 100

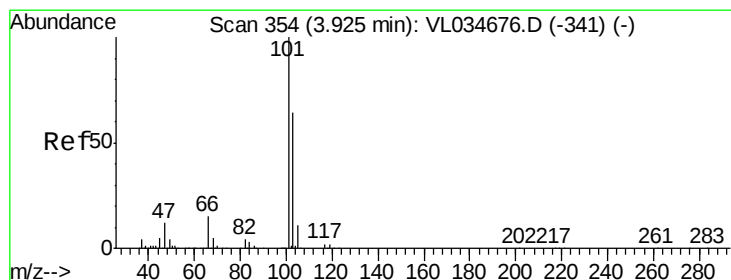
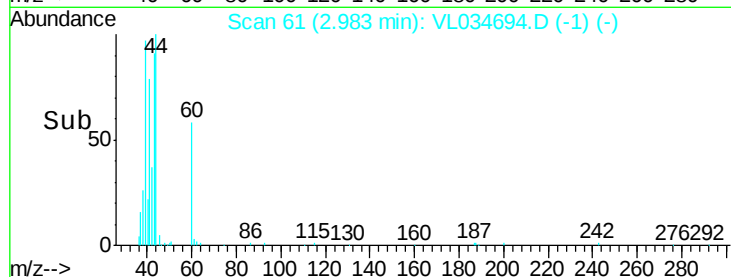
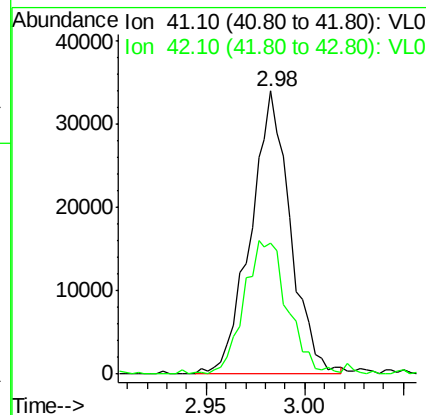
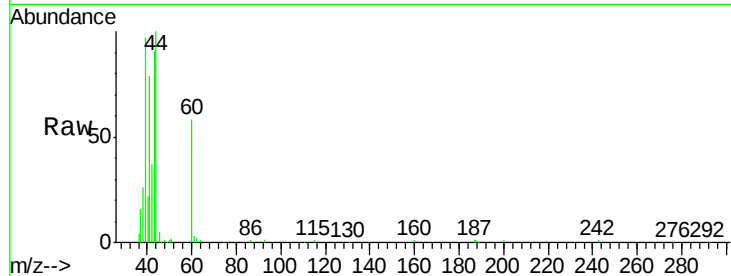
42 110.1 54.9 82.3#

Manual Integrations

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#11

Trichlorofluoromethane

Concen: 0.276 ppbv

RT: 3.92 min Scan# 354

Delta R.T. -0.00 min

Lab File: VL034694.D

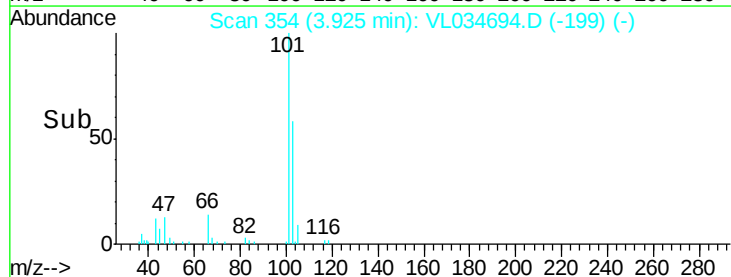
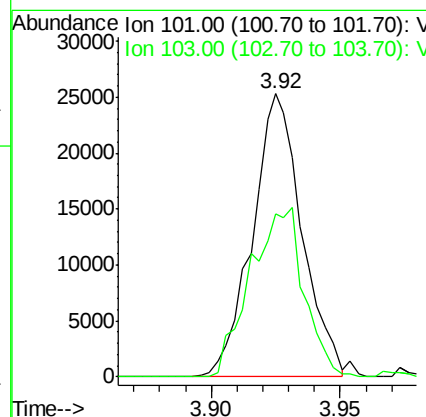
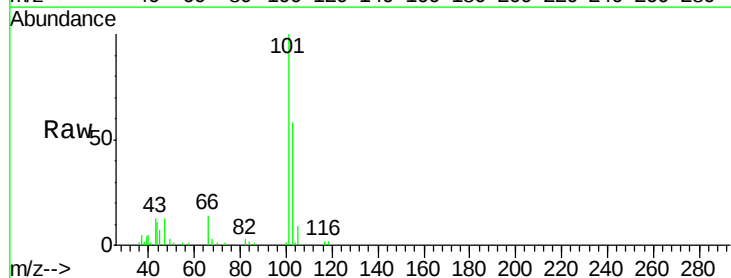
Acq: 26 Feb 2020 19:12

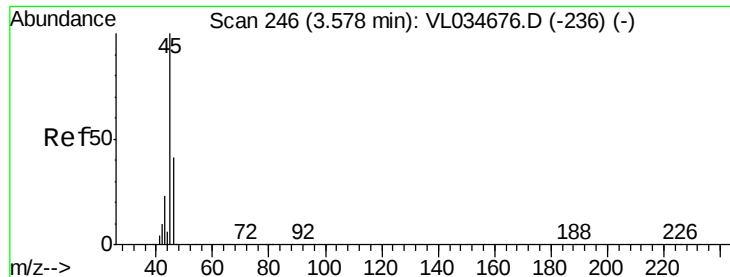
Tgt Ion: 101 Resp: 34005

Ion Ratio Lower Upper

101 100

103 57.6 51.2 76.8





#13

Ethanol

Concen: 17.030 ppbv

RT: 3.57 min Scan# 245

Delta R.T. -0.00 min

Lab File: VL034694.D

Acq: 26 Feb 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

ROOFTOP-BRW

Tot Ion: 45 Resp: 216527

Ion Ratio Lower Upper

45 100

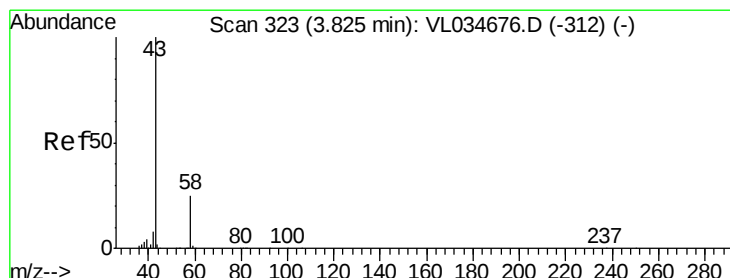
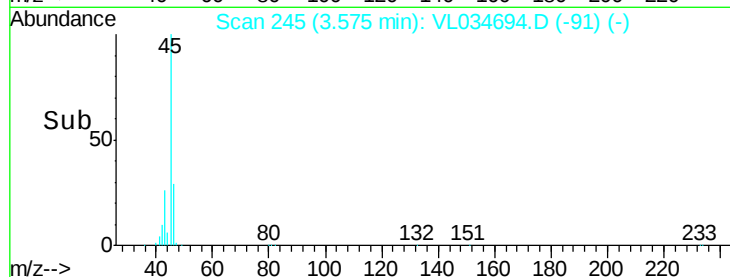
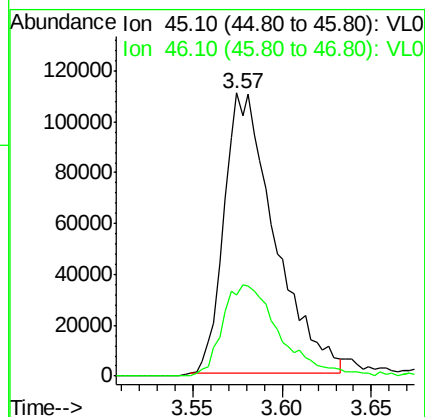
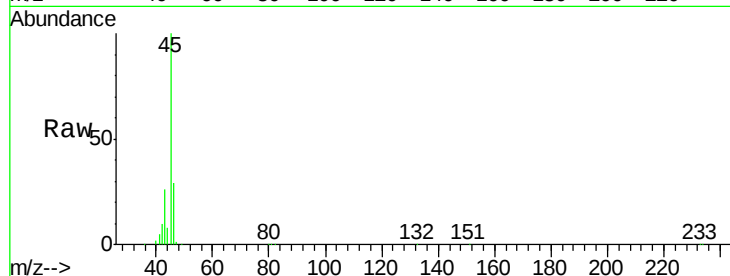
46 37.3 15.4 61.4

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#15

Acetone

Concen: 6.398 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.00 min

Lab File: VL034694.D

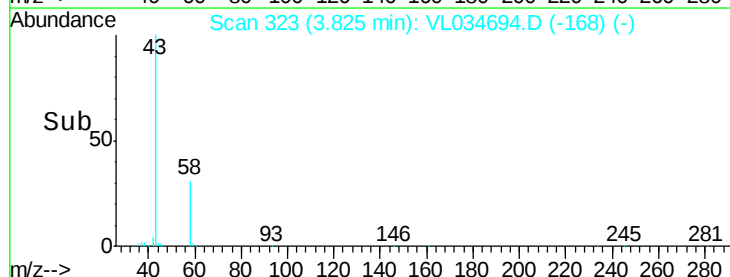
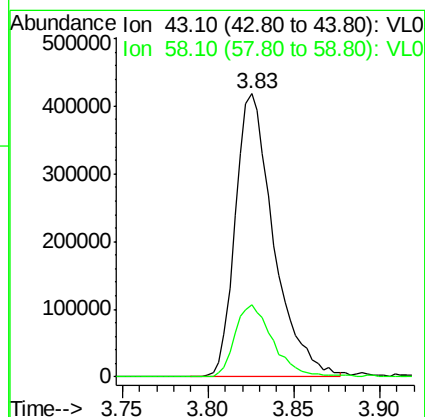
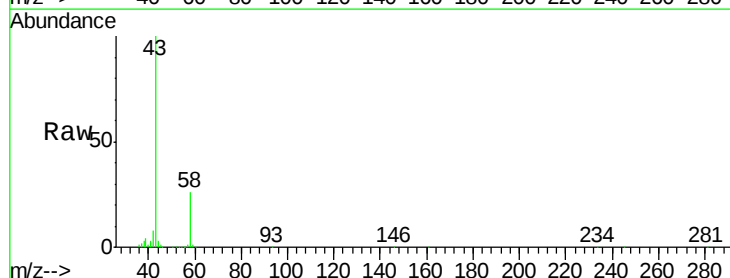
Acq: 26 Feb 2020 19:12

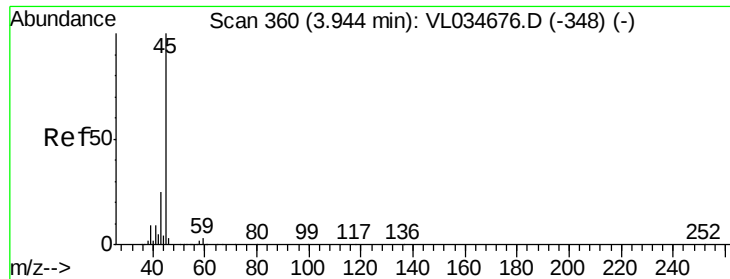
Tgt Ion: 43 Resp: 650453

Ion Ratio Lower Upper

43 100

58 25.8 21.4 32.0





#19

Isopropyl Alcohol

Concen: 0.909 ppbv m

RT: 3.96 min Scan# 365

Delta R.T. 0.02 min

Lab File: VL034694.D

Acq: 26 Feb 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

ROOFTOP-BRW

Tot Ion: 45 Resp: 55037

Ion Ratio Lower Upper

45 100

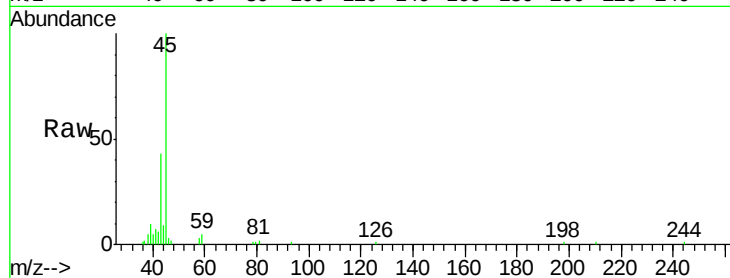
58 0.0 1.8 2.6#

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

30000

25000

20000

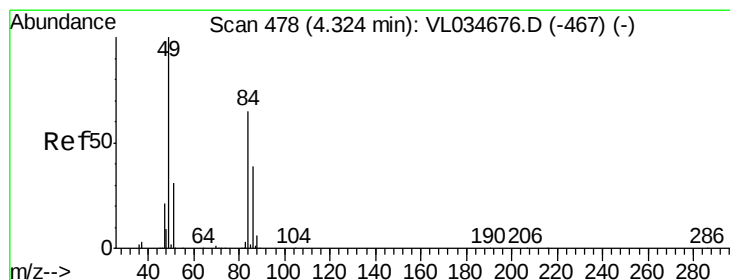
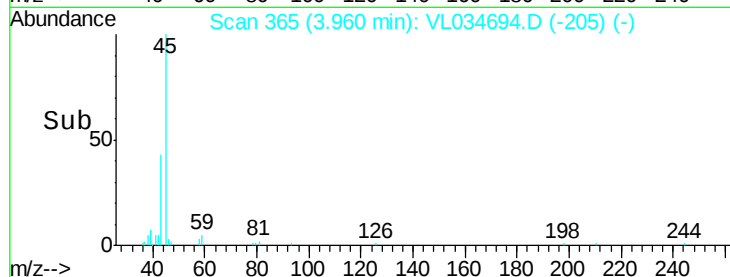
15000

10000

5000

0

Time-->



#20

Methylene Chloride

Concen: 3.897 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL034694.D

Acq: 26 Feb 2020 19:12

Tgt Ion: 84 Resp: 147337

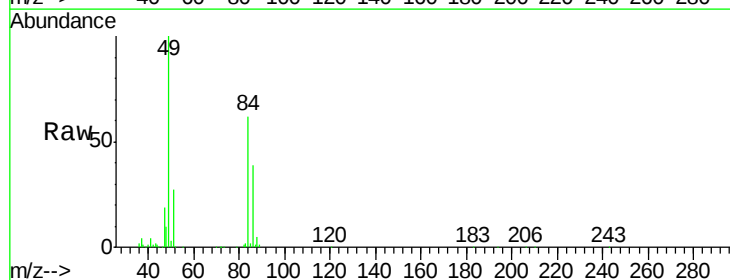
Ion Ratio Lower Upper

84 100

49 161.0 122.8 184.2

51 43.4 38.6 58.0

86 62.5 47.7 71.5



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

250000

200000

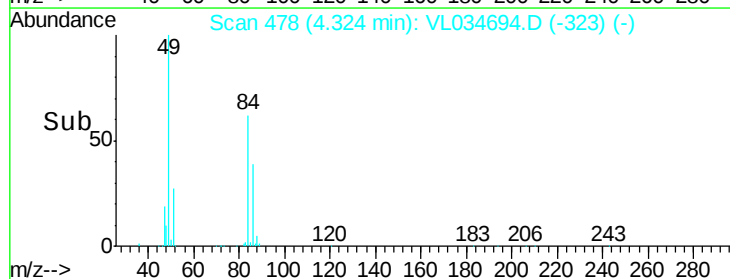
150000

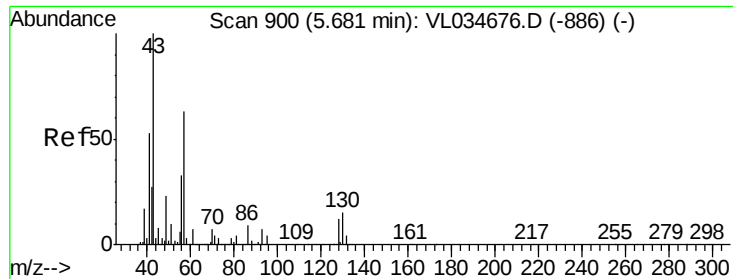
100000

50000

0

Time-->





#26

Hexane

Concen: 1.976 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL034694.D

Acq: 26 Feb 2020 19:12

Instrument :

MSVOA_L

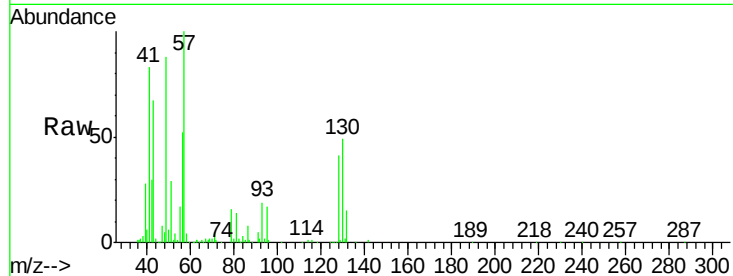
ClientSampleId :

ROOFTOP-BRW

Tot Ion	57	Resp	163881
Ion	Ratio	Lower	Upper
57	100		
41	93.5	70.3	105.5
43	72.5	177.0	265.4#
56	56.3	42.6	64.0

Manual Integrations
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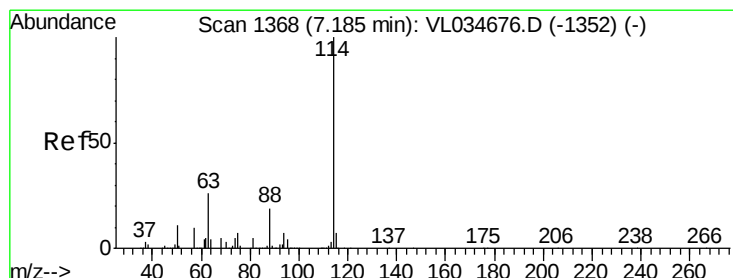
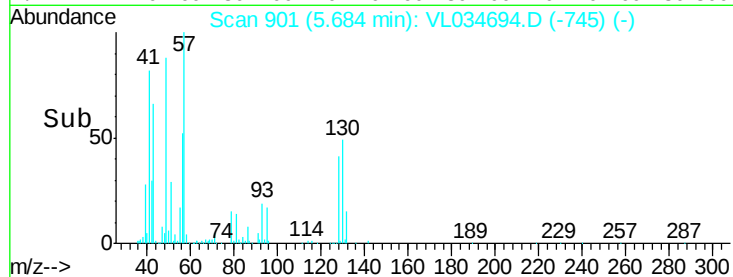
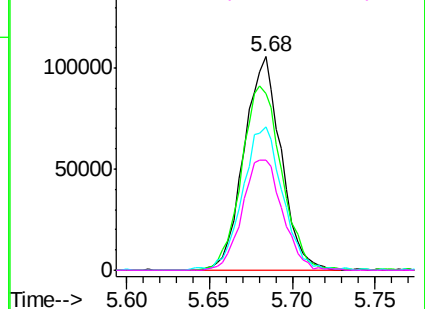


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

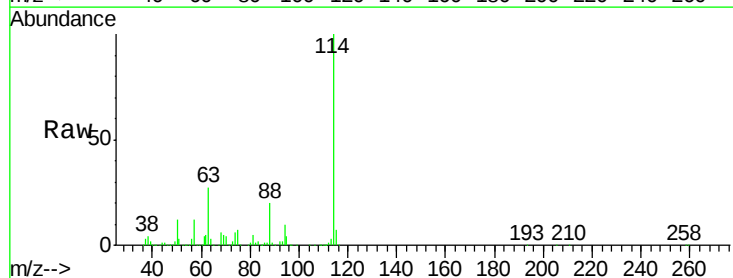
RT: 7.19 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VL034694.D

Acq: 26 Feb 2020 19:12

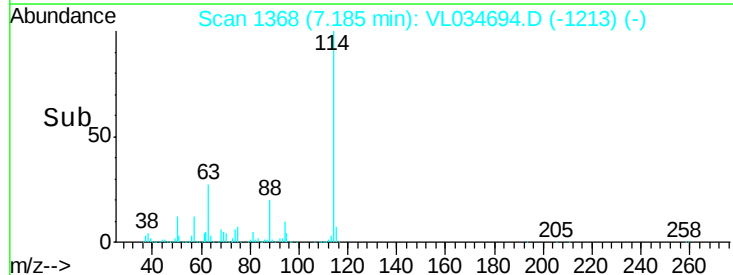
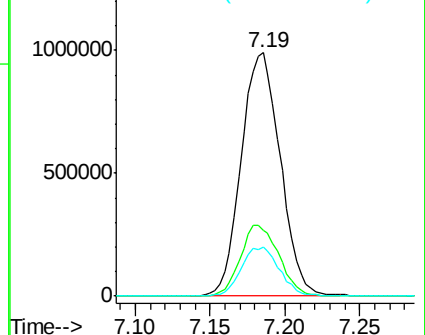
Tgt Ion	114	Resp	1802913
Ion	Ratio	Lower	Upper
114	100		
63	28.9	22.9	34.3
88	19.7	15.8	23.6

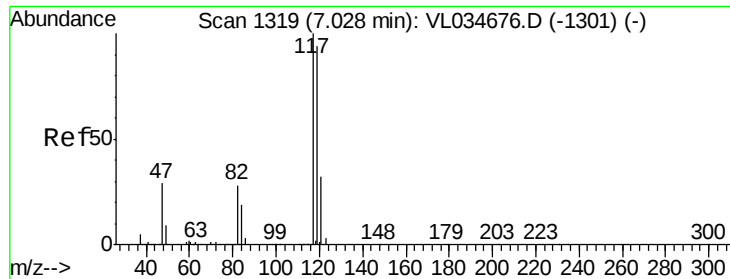


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





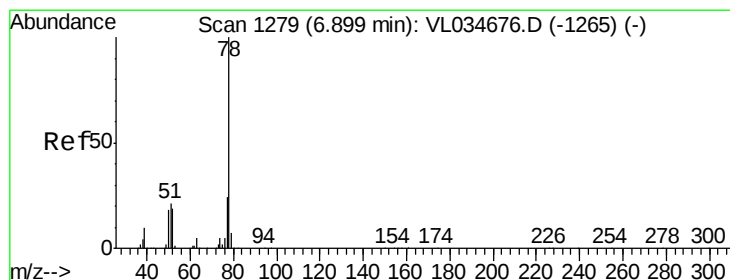
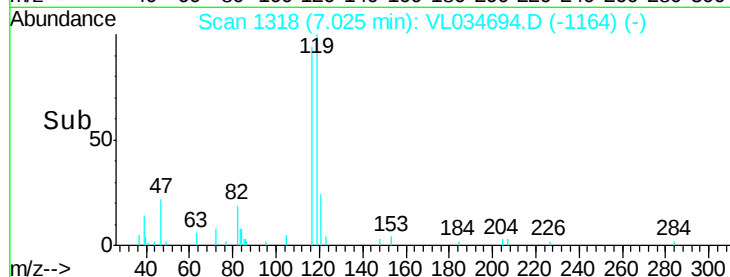
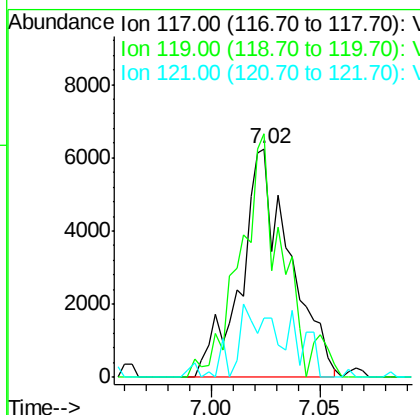
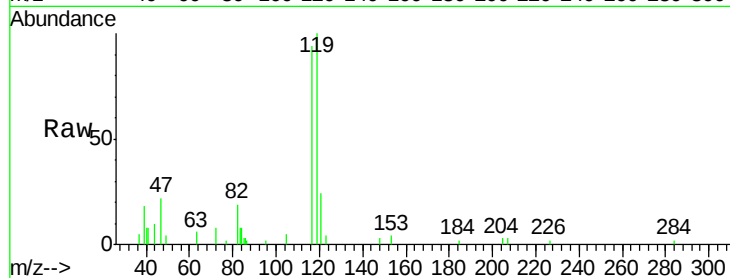
#35
Carbon Tetrachloride
Concen: 0.081 ppbv m
RT: 7.02 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VL034694.D
Acq: 26 Feb 2020 19:12

Instrument :
MSVOA_L
ClientSampleId :
ROOFTOP-BRW

Tot Ion	Ratio	Lower	Upper
117	100		
119	106.6	75.5	113.3
121	26.1	25.4	38.0

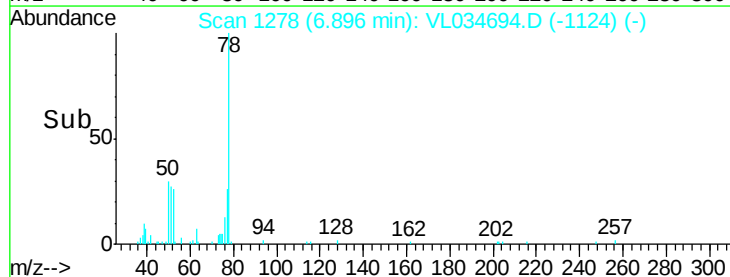
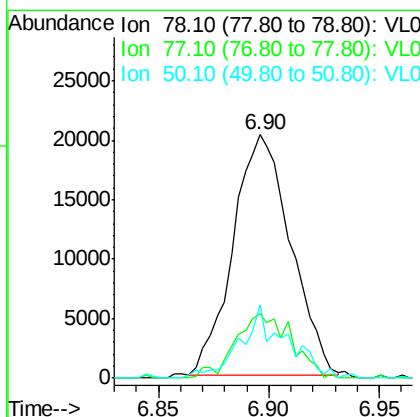
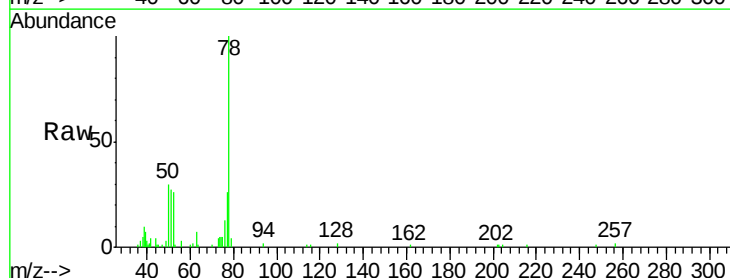
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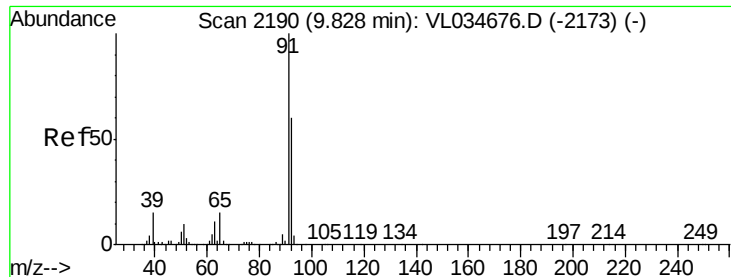
MMDadoda
2/27/2020 5:20:01 PM



#36
Benzene
Concen: 0.236 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.00 min
Lab File: VL034694.D
Acq: 26 Feb 2020 19:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.7	19.5	29.3
50	30.5	14.6	21.8





#53

Toluene

Concen: 1.203 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VL034694.D

Acq: 26 Feb 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

ROOFTOP-BRW

Tot Ion: 91 Resp: 199323

Ion Ratio Lower Upper

91 100

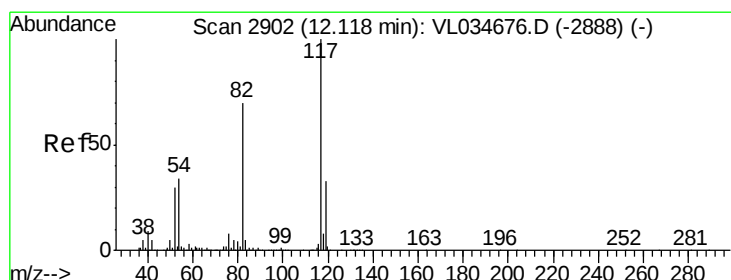
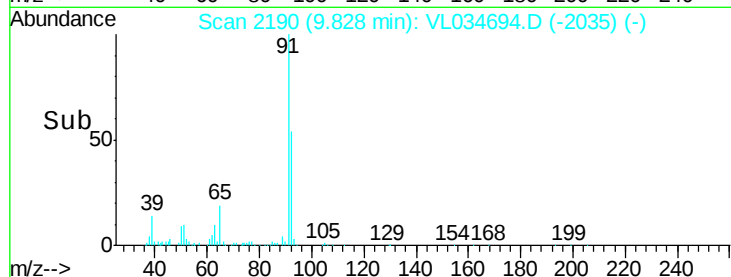
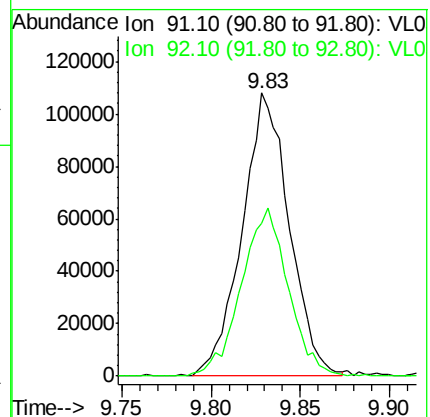
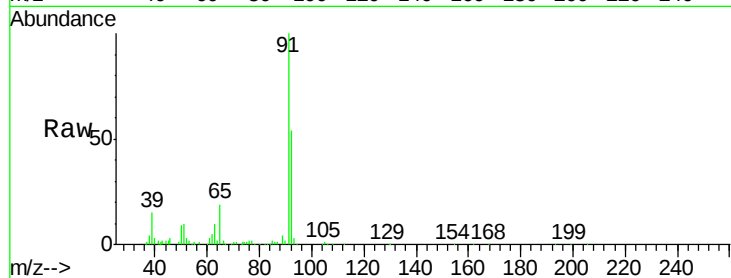
92 58.9 48.5 72.7

Manual Integrations

APPROVED

MMDadoda

2/27/2020 5:20:01 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. -0.00 min

Lab File: VL034694.D

Acq: 26 Feb 2020 19:12

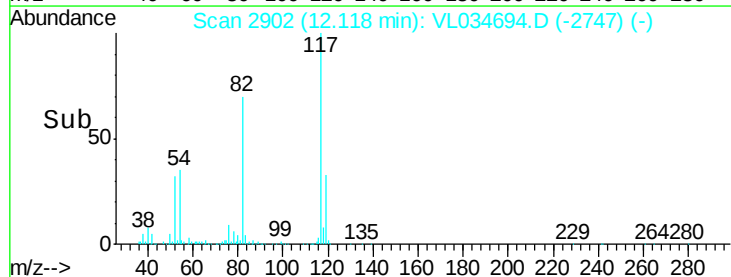
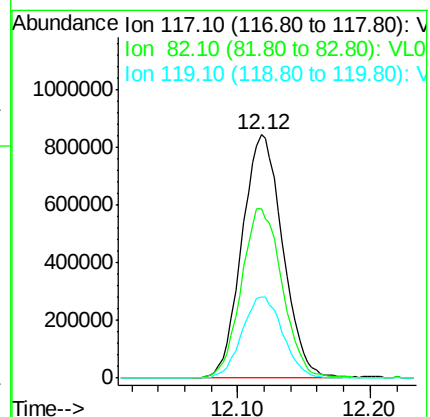
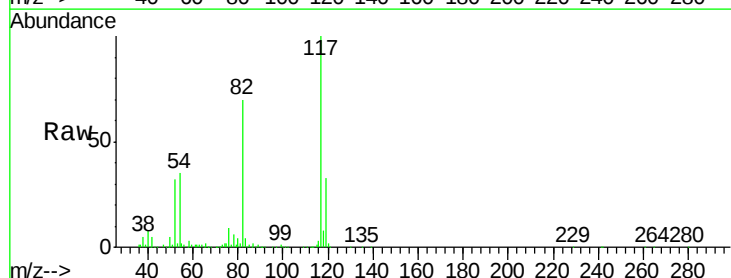
Tgt Ion: 117 Resp: 1795406

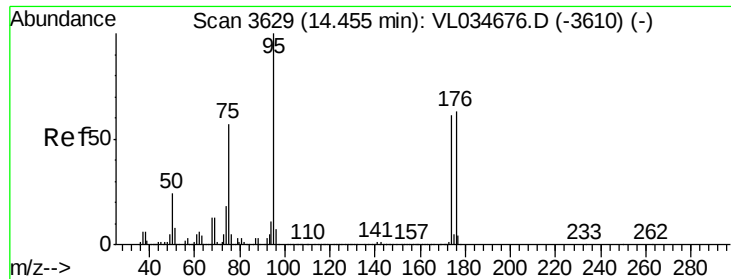
Ion Ratio Lower Upper

117 100

82 70.5 54.1 81.1

119 33.6 27.6 41.4





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.460 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. -0.00 min
 Lab File: VL034694.D
 Acq: 26 Feb 2020 19:12

Instrument :
 MSVOA_L
 ClientSampleId :
 ROOFTOP-BRW

Tot Ion: 95 Resp: 1539910
 Ion Ratio Lower Upper
 95 100
 174 63.8 50.7 76.1
 175 4.5 3.9 5.9

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 5:20:01 PM

