

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032921\
 Data File : VL036556.D
 Acq On : 30 Mar 2021 2:23
 Operator : SY/AP
 Sample : M1759-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ROOFTOP-AMB

Manual Integrations
 APPROVED

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 3/30/2021 7:44:32 PM

Quant Time: Mar 30 12:08:53 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1459682	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3208527	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2751118	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2216631	10.11	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	58406	0.245	ppbv	98
3) Chlorodifluoromethane	2.97	51	91522	0.336	ppbv #	90
4) Chloromethane	3.13	50	121449	1.261	ppbv	89
9) Propene	3.01	41	74330	0.855	ppbv	85
11) Trichlorofluoromethane	3.93	101	38466	0.159	ppbv	84
13) Ethanol	3.60	45	166527m	16.084	ppbv	
15) Acetone	3.83	43	991225	6.899	ppbv	99
19) Isopropyl Alcohol	3.98	45	31951m	0.404	ppbv	
20) Methylene Chloride	4.33	84	259352	3.856	ppbv	97

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

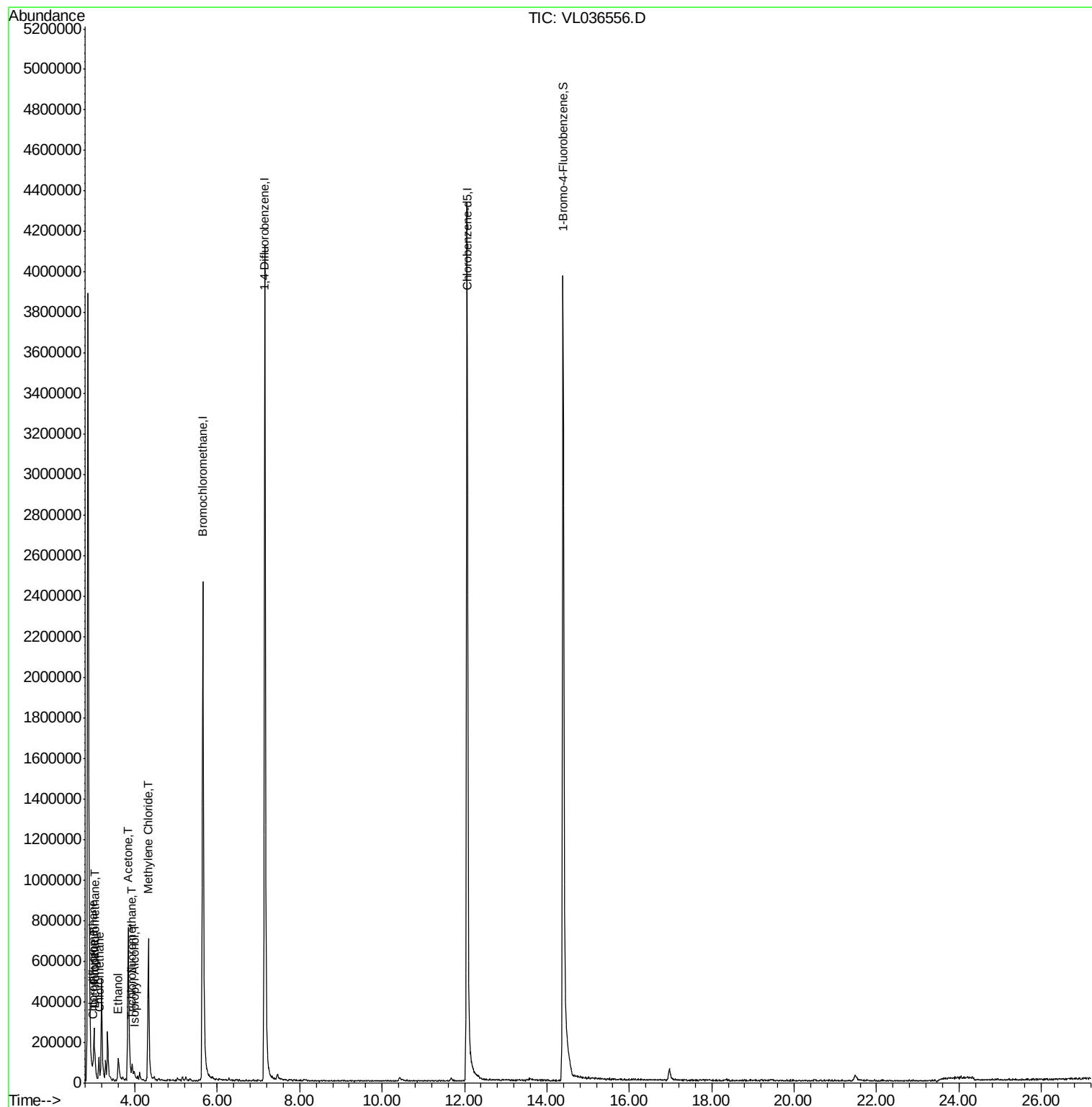
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032921\
Data File : VL036556.D
Acq On : 30 Mar 2021 2:23
Operator : SY/AP
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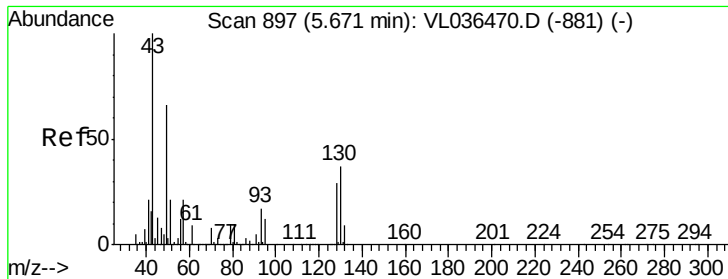
Instrument :
MSVOA_L
ClientSampleId :
ROOFTOP-AMB

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Quant Time: Mar 30 12:08:53 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.03 min

Lab File: VL036556.D

Acq: 30 Mar 2021 2:23

Instrument :

MSVOA_L

ClientSampleId :

ROOFTOP-AMB

Tot Ion: 49 Resp: 1459682

Ion Ratio Lower Upper

49 100

128 42.8 23.5 70.6

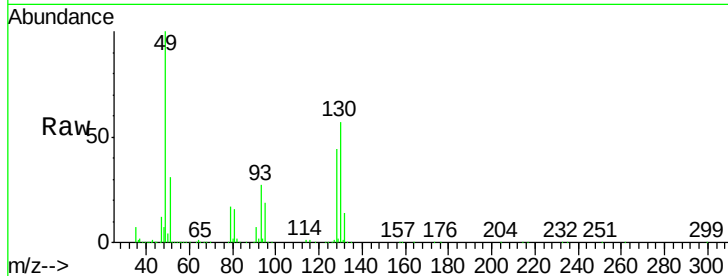
130 55.5 29.1 87.4

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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

800000

600000

400000

200000

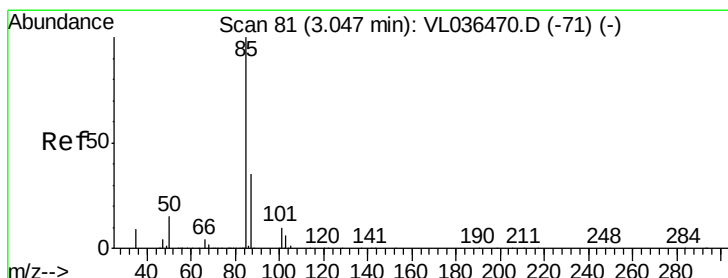
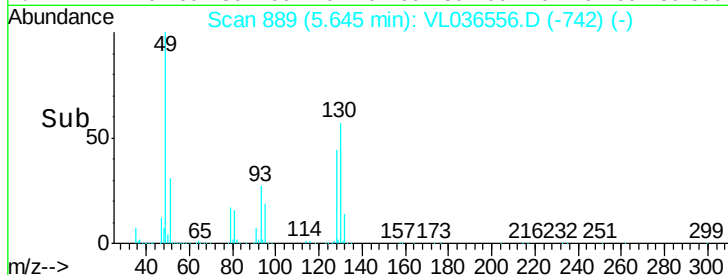
0

5.65

5.60

5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.245 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.01 min

Lab File: VL036556.D

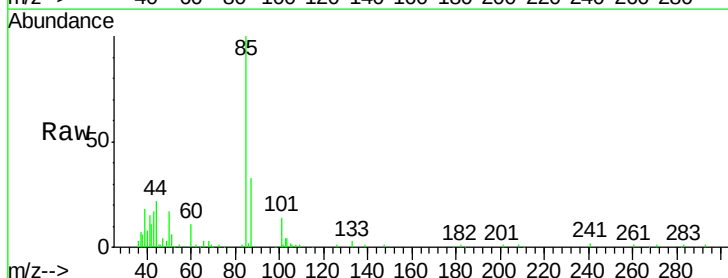
Acq: 30 Mar 2021 2:23

Tgt Ion: 85 Resp: 58406

Ion Ratio Lower Upper

85 100

87 33.8 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

40000

30000

20000

10000

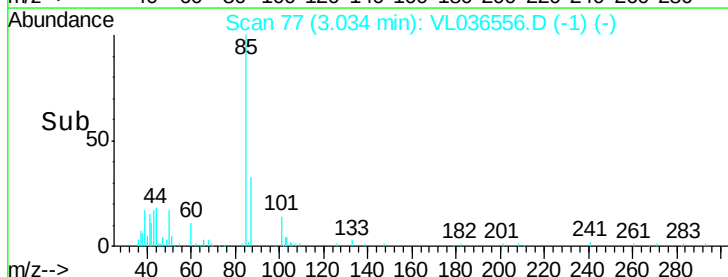
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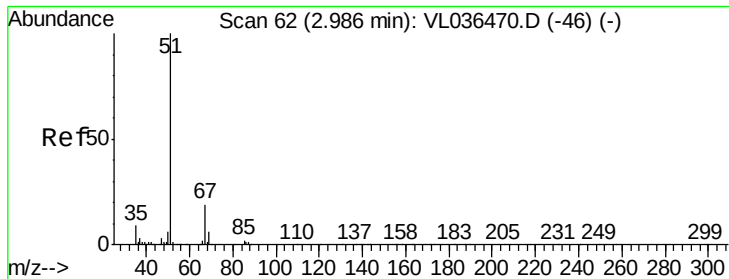
3.03

3.00

3.05

Time-->





#3

Chlorodifluoromethane

Concen: 0.336 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL036556.D

Acq: 30 Mar 2021 2:23

Instrument :

MSVOA_L

ClientSampleId :

ROOFTOP-AMB

Tot Ion: 51 Resp: 91522

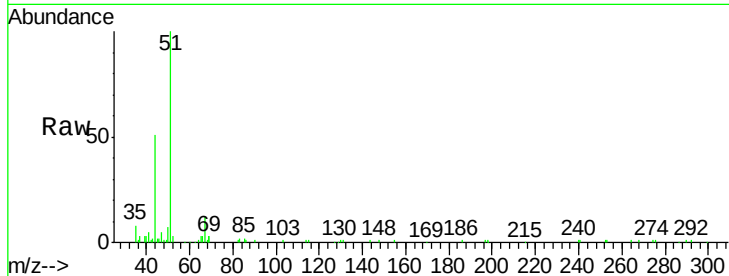
Ion Ratio Lower Upper

51 100

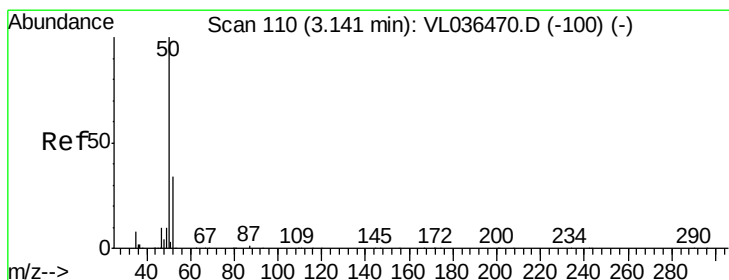
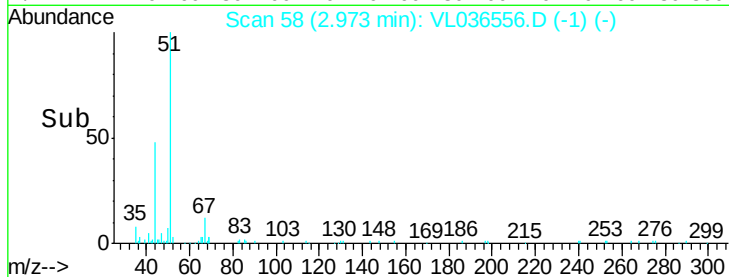
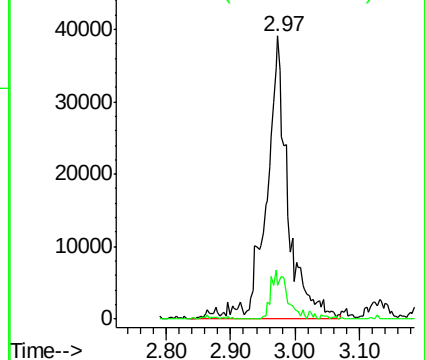
67 13.8 14.7 22.1#

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Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.261 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL036556.D

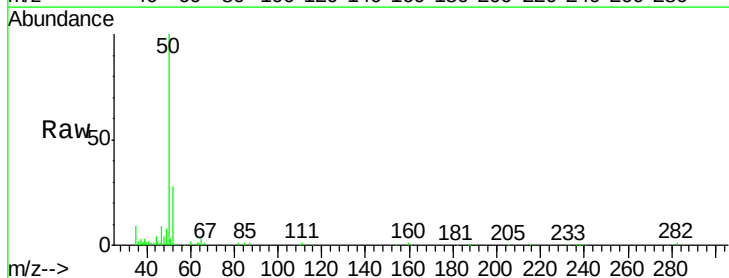
Acq: 30 Mar 2021 2:23

Tgt Ion: 50 Resp: 121449

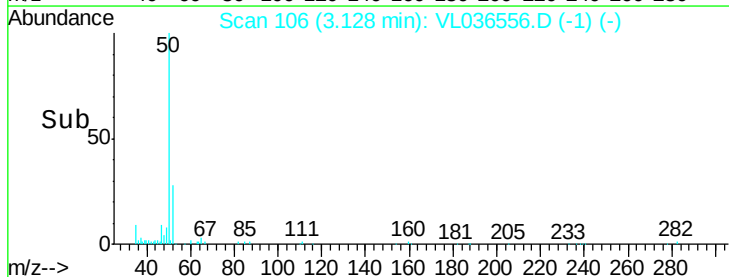
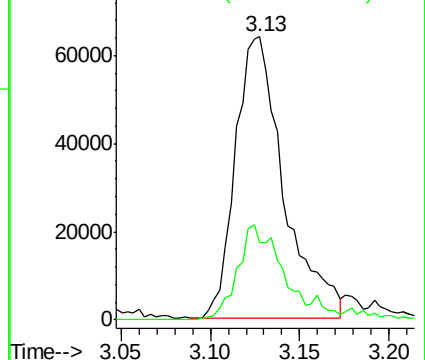
Ion Ratio Lower Upper

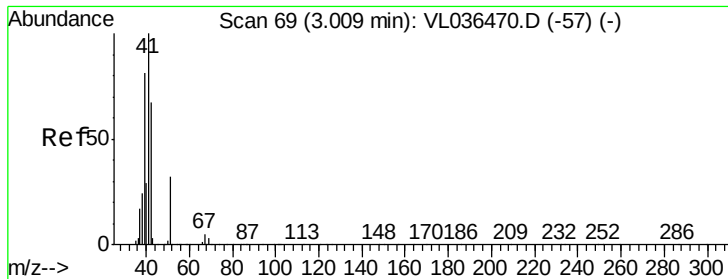
50 100

52 27.6 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.855 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL036556.D

Acq: 30 Mar 2021 2:23

Instrument :

MSVOA_L

ClientSampleId :

ROOFTOP-AMB

Tot Ion: 41 Resp: 74330

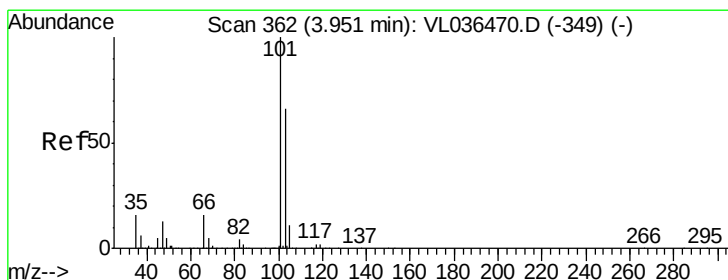
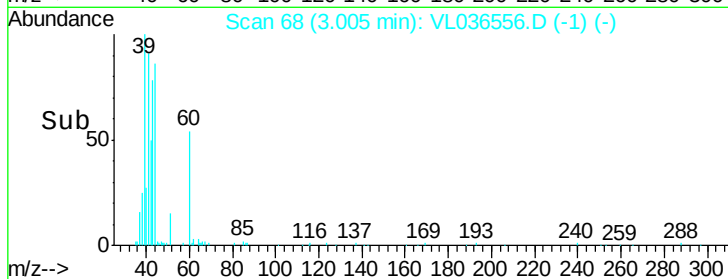
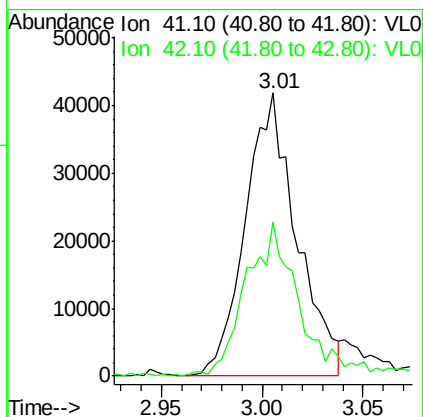
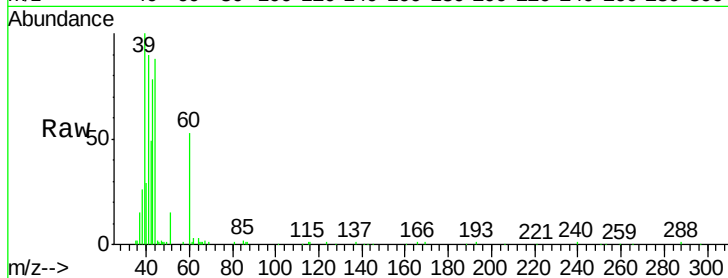
Ion Ratio Lower Upper

41 100

42 58.6 57.0 85.4

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#11

Trichlorofluoromethane

Concen: 0.159 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.02 min

Lab File: VL036556.D

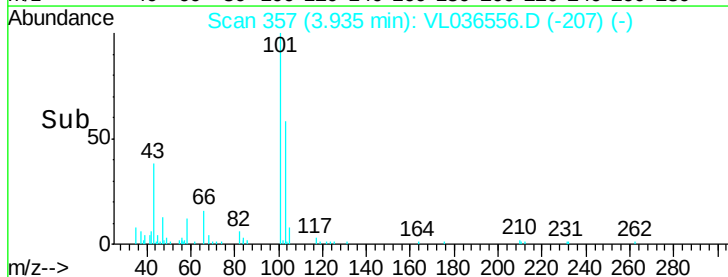
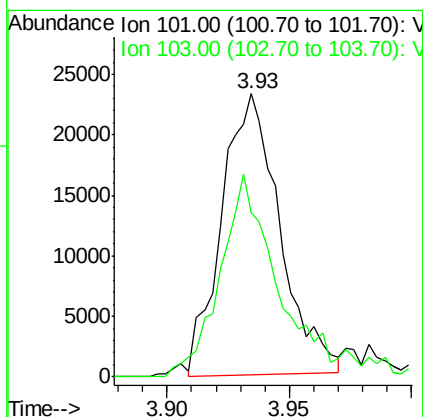
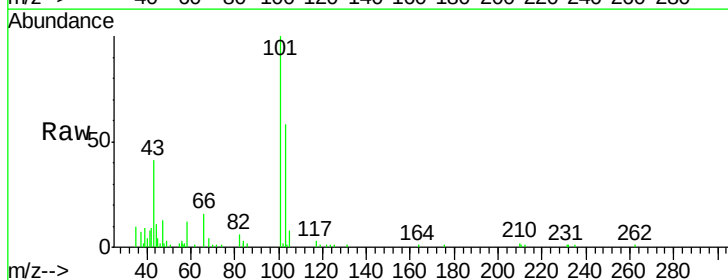
Acq: 30 Mar 2021 2:23

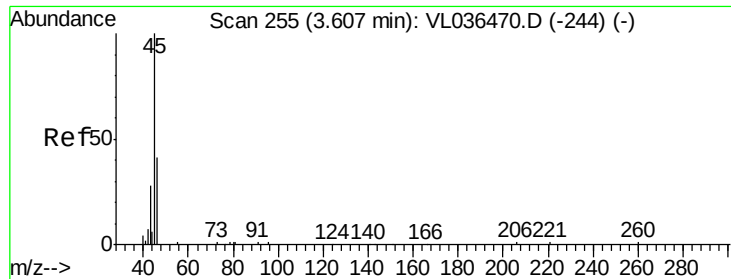
Tgt Ion: 101 Resp: 38466

Ion Ratio Lower Upper

101 100

103 52.6 52.5 78.7





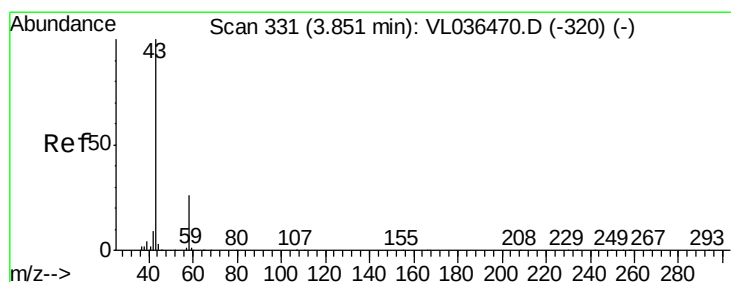
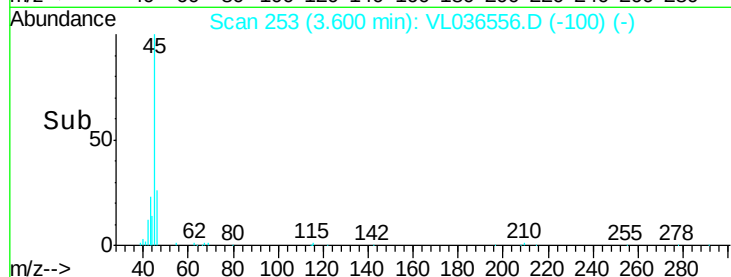
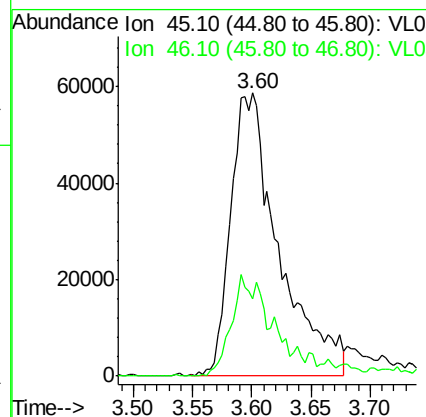
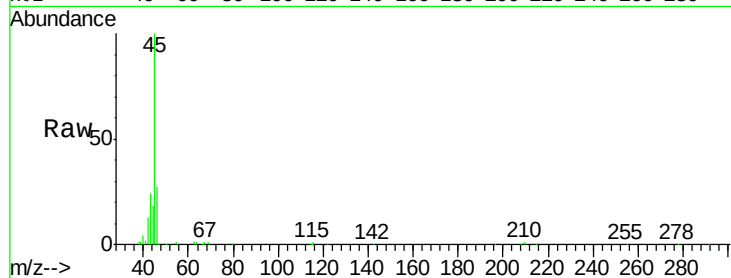
#13
Ethanol
Concen: 16.084 ppbv m
RT: 3.60 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL036556.D
Acq: 30 Mar 2021 2:23

Instrument :
MSVOA_L
ClientSampleId :
ROOFTOP-AMB

Tot Ion	45	46	Ratio	100	35.4	Resp	166527	Lower	16.6	Upper	66.2
Ion	45	46	Ratio	100	35.4	Resp	166527	Lower	16.6	Upper	66.2

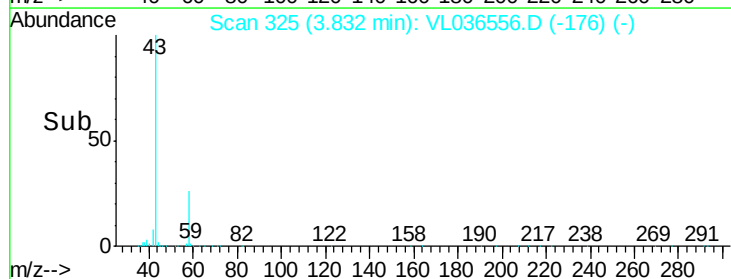
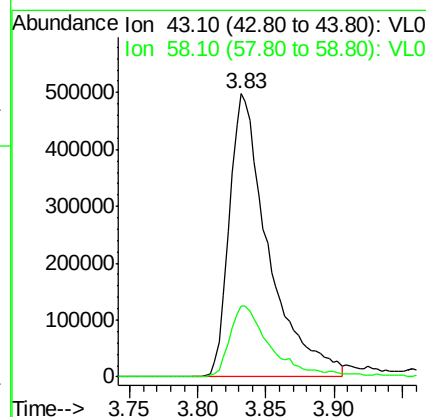
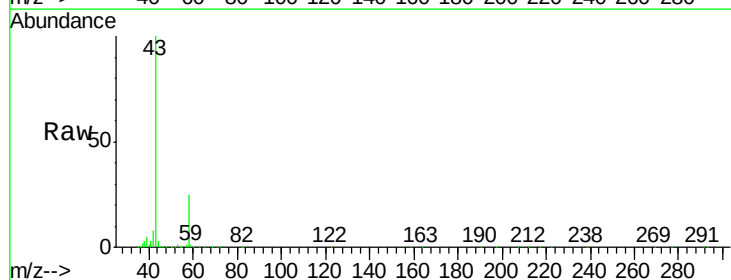
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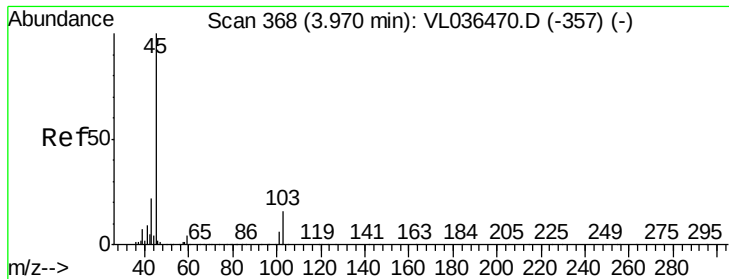
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#15
Acetone
Concen: 6.899 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.02 min
Lab File: VL036556.D
Acq: 30 Mar 2021 2:23

Tgt Ion	43	58	Ratio	100	26.9	Resp	991225	Lower	21.2	Upper	31.8
Ion	43	58	Ratio	100	26.9	Resp	991225	Lower	21.2	Upper	31.8





#19

Isopropyl Alcohol

Concen: 0.404 ppbv m

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL036556.D

Acq: 30 Mar 2021 2:23

Instrument :

MSVOA_L

ClientSampleId :

ROOFTOP-AMB

Tot Ion: 45 Resp: 31951

Ion Ratio Lower Upper

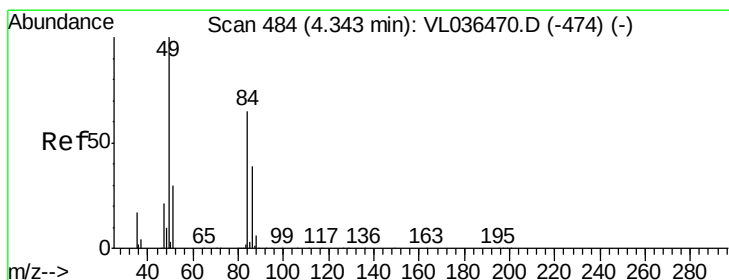
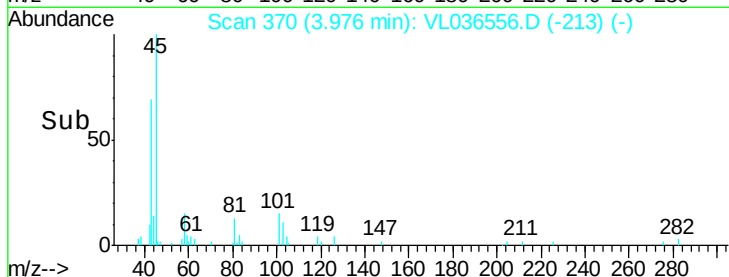
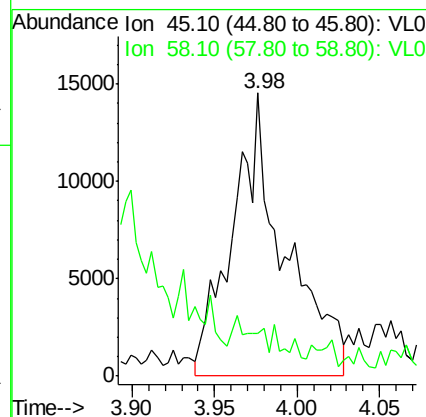
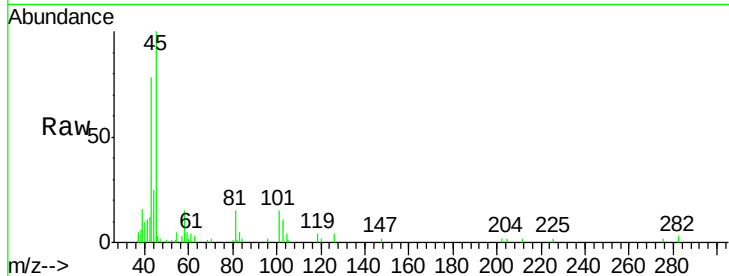
45 100

58 0.0 2.9 4.3#

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3/30/2021 7:44:32 PM



#20

Methylene Chloride

Concen: 3.856 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.02 min

Lab File: VL036556.D

Acq: 30 Mar 2021 2:23

Tgt Ion: 84 Resp: 259352

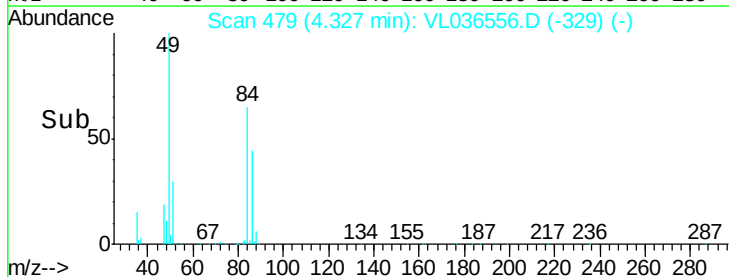
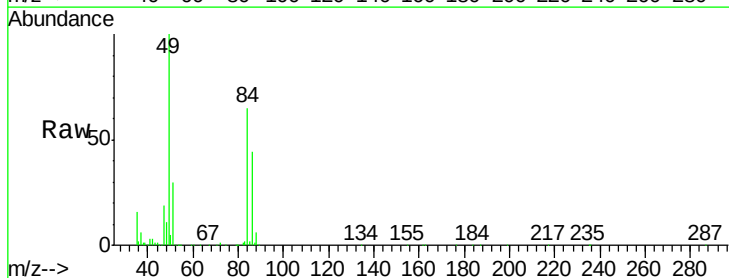
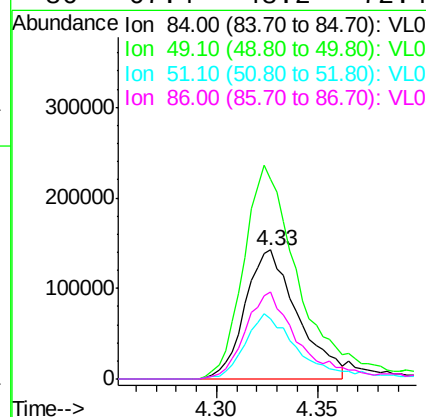
Ion Ratio Lower Upper

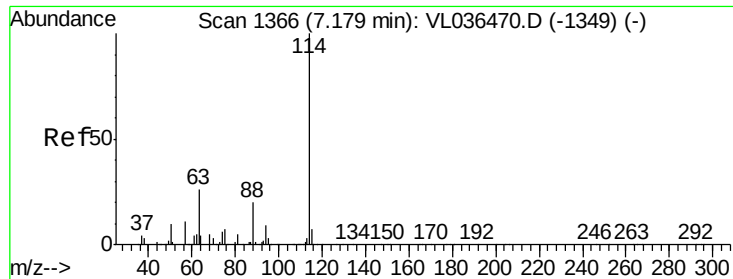
84 100

49 154.5 122.9 184.3

51 46.9 36.9 55.3

86 67.4 48.2 72.4





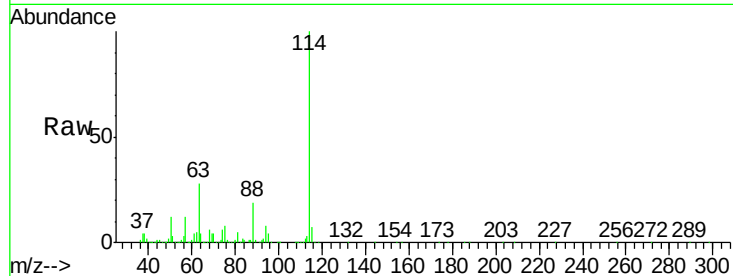
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.03 min
 Lab File: VL036556.D
 Acq: 30 Mar 2021 2:23

Instrument :
 MSVOA_L
 ClientSampleId :
 ROOFTOP-AMB

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.4	33.6
88	19.2	15.4	23.0

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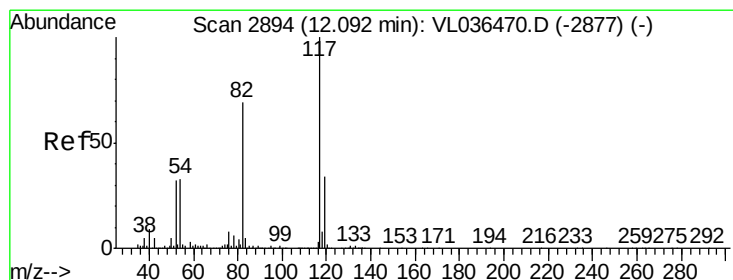
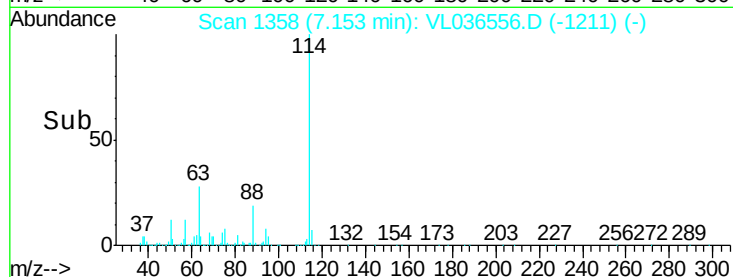
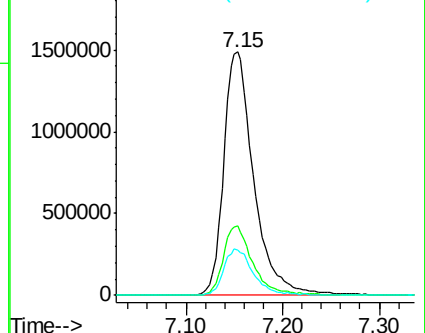
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Abundance Ion 114.10 (113.80 to 114.80): V

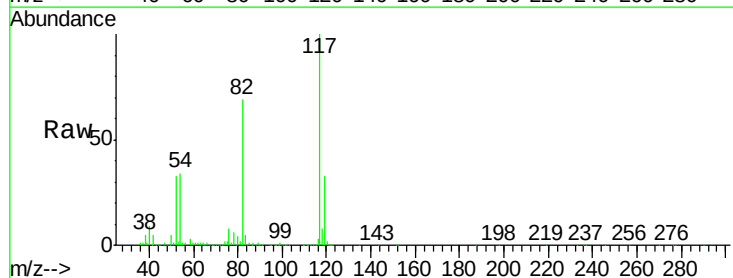
Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min Scan# 2884
 Delta R.T. -0.03 min
 Lab File: VL036556.D
 Acq: 30 Mar 2021 2:23

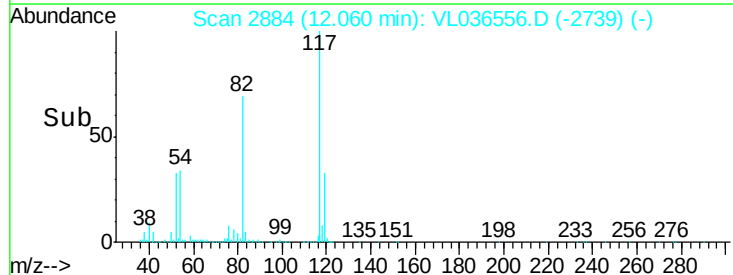
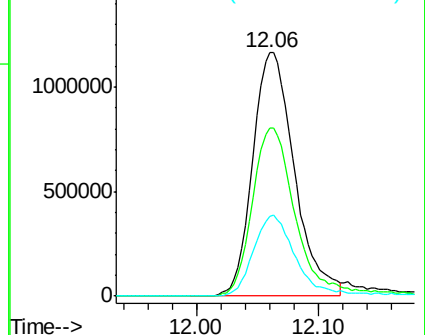
Tgt Ion	Ratio	Lower	Upper
117	100		
82	73.0	57.4	86.0
119	34.5	47.4	71.0#

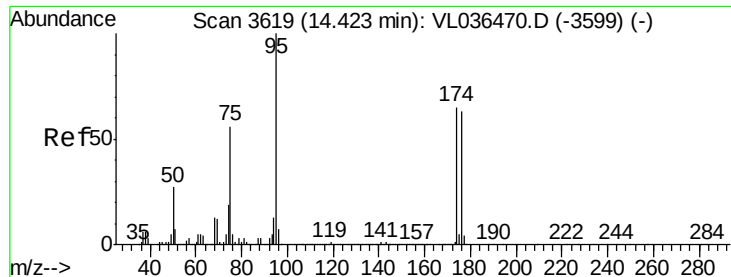


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.109 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.03 min
 Lab File: VL036556.D
 Acq: 30 Mar 2021 2:23

Instrument :
 MSVOA_L
 ClientSampleId :
 ROOFTOP-AMB

Tot Ion: 95 Resp: 2216631
 Ion Ratio Lower Upper
 95 100
 174 65.2 51.0 76.6
 175 4.9 3.9 5.9

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