

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072120\
 Data File : VL035220.D
 Acq On : 21 Jul 2020 22:59
 Operator : SY/AP
 Sample : L3290-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OUTDOOR-AMBIENTDL

Manual Integrations
 APPROVED

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 7/23/2020 2:59:55 PM

Quant Time: Jul 22 01:52:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1072655	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2562277	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2372860	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1942611	10.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.98	41	10066	0.225	ppbv	93
13) Ethanol	3.58	45	42242	2.963	ppbv	96
15) Acetone	3.83	43	135728	0.935	ppbv	93
19) Isopropyl Alcohol	3.95	45	16150m	0.184	ppbv	
20) Methylene Chloride	4.31	84	43966	0.696	ppbv #	91
26) Hexane	5.67	57	13729m	0.138	ppbv	
53) Toluene	9.82	91	21653	0.111	ppbv	95

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

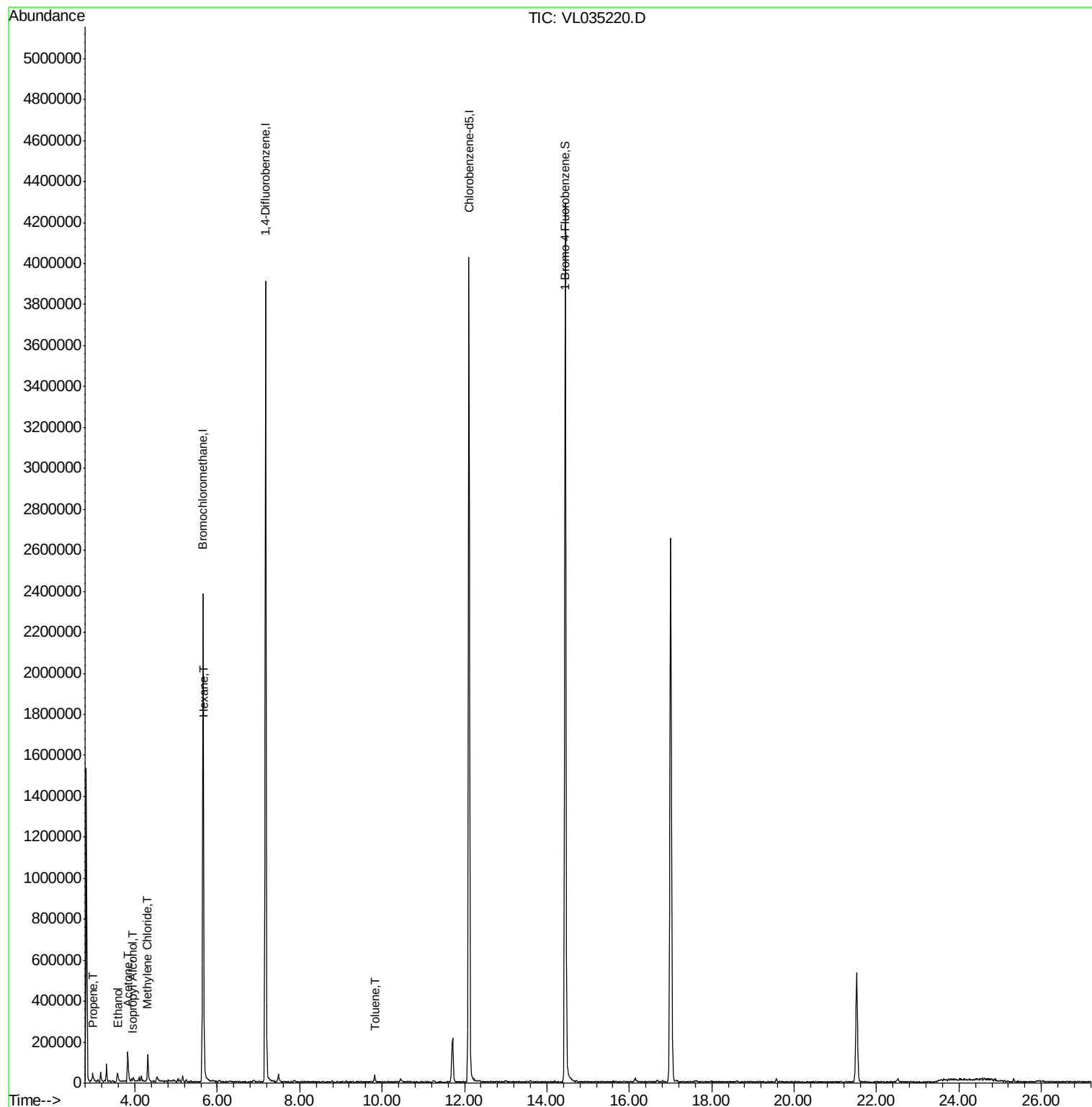
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL072120\
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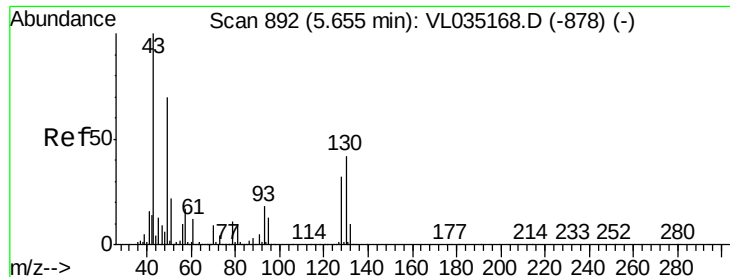
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QLast Update : Wed Jul 08 07:05:23 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.01 min

Lab File: VL035220.D

Acq: 21 Jul 2020 22:59

Instrument :

MSVOA_L

ClientSampleId :

OUTDOOR-AMBIENTDL

Tot Ion: 49 Resp: 1072655

Ion Ratio Lower Upper

49 100

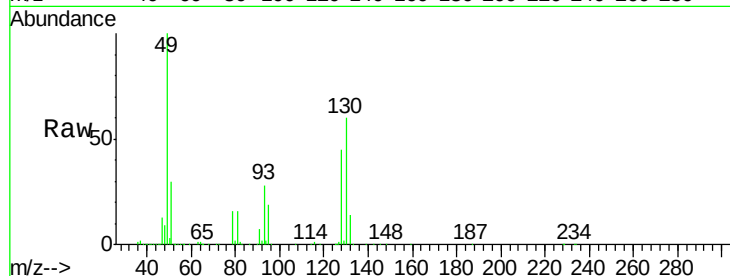
128 48.6 23.8 71.4

130 63.0 29.9 89.8

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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

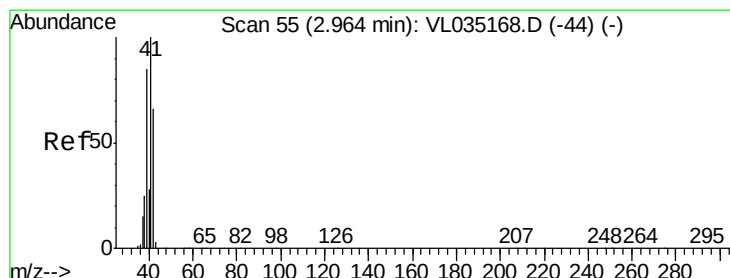
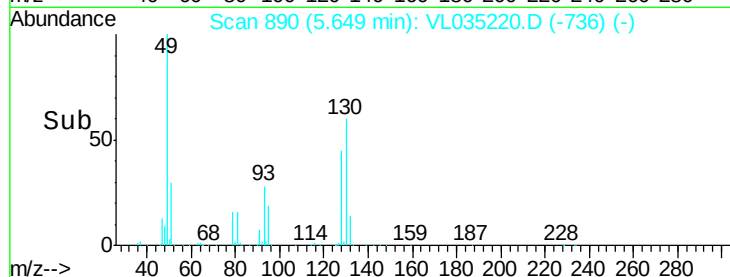
400000

200000

0

5.60 5.65 5.70

Time-->



#9

Propene

Concen: 0.225 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL035220.D

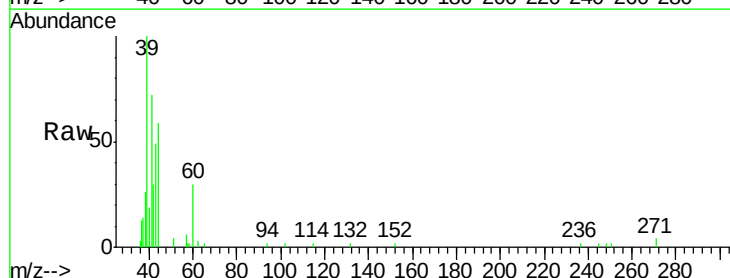
Acq: 21 Jul 2020 22:59

Tgt Ion: 41 Resp: 10066

Ion Ratio Lower Upper

41 100

42 62.3 54.6 81.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

8000

6000

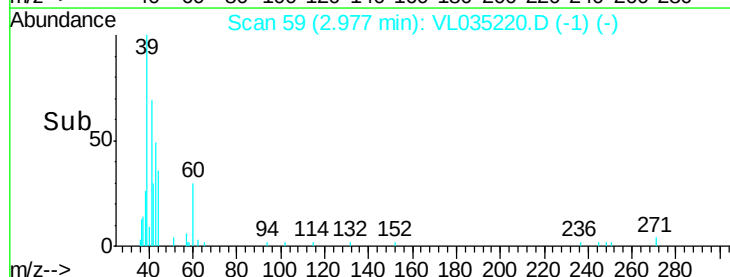
4000

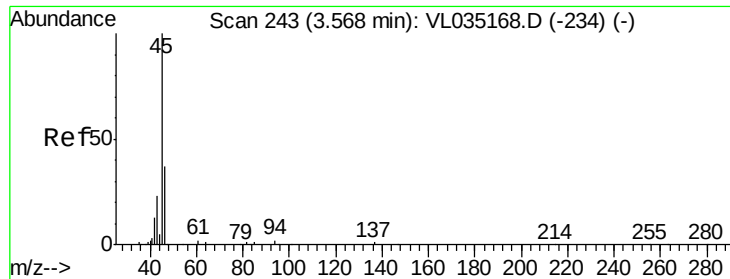
2000

0

2.94 2.96 2.98 3.00

Time-->





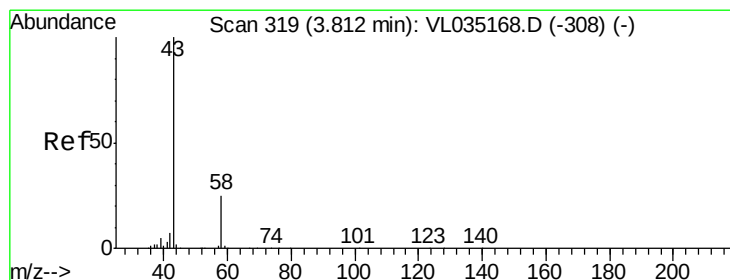
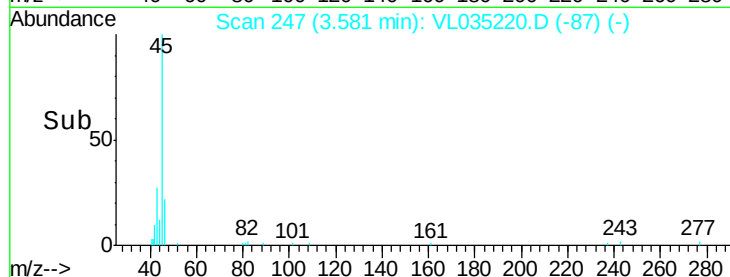
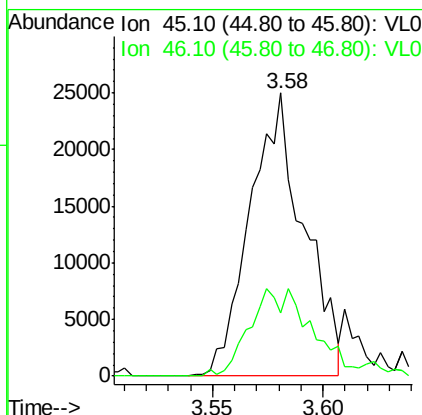
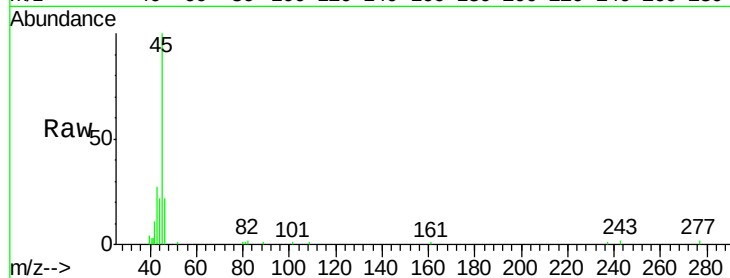
#13
Ethanol
Concen: 2.963 ppbv
RT: 3.58 min Scan# 247
Delta R.T. 0.01 min
Lab File: VL035220.D
Acq: 21 Jul 2020 22:59

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-AMBIENTDL

Tot Ion	45	Resp	42242
Ion Ratio	100	Lower	Upper
45	100		
46	38.3	16.2	65.0

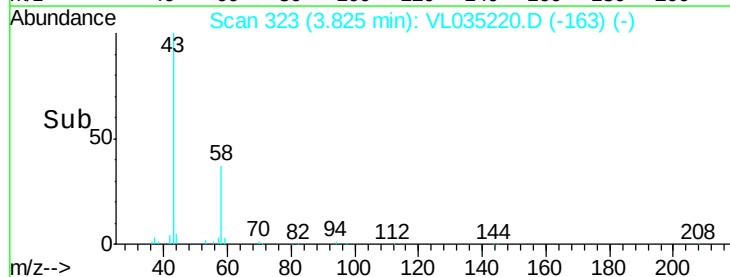
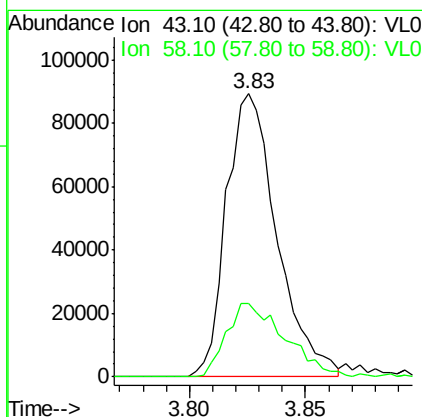
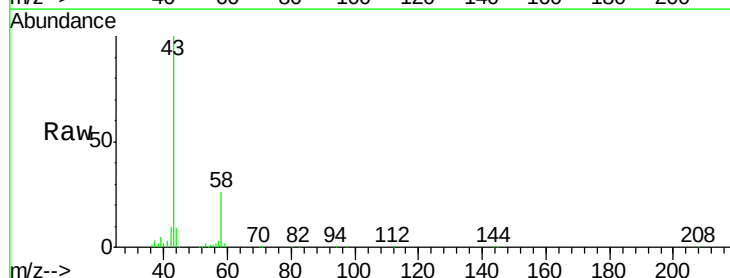
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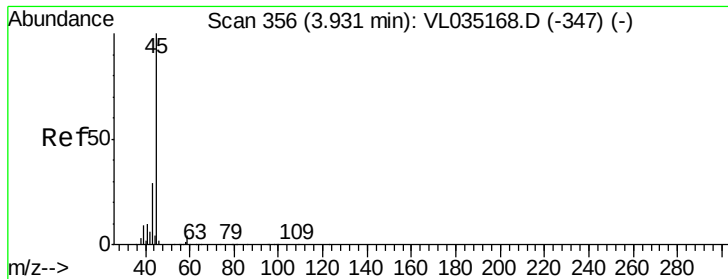
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#15
Acetone
Concen: 0.935 ppbv
RT: 3.83 min Scan# 323
Delta R.T. 0.01 min
Lab File: VL035220.D
Acq: 21 Jul 2020 22:59

Tgt Ion	43	Resp	135728
Ion Ratio	100	Lower	Upper
43	100		
58	30.2	21.3	31.9





#19

Isopropyl Alcohol

Concen: 0.184 ppbv m

RT: 3.95 min Scan# 362

Delta R.T. 0.02 min

Lab File: VL035220.D

Acq: 21 Jul 2020 22:59

Instrument :

MSVOA_L

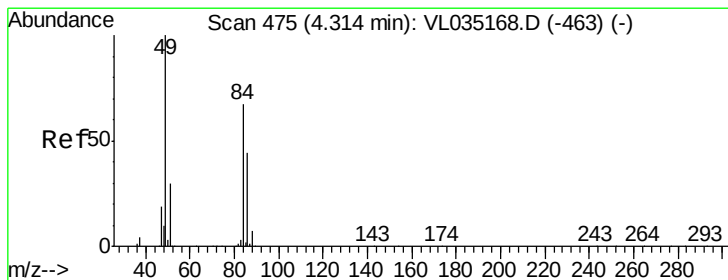
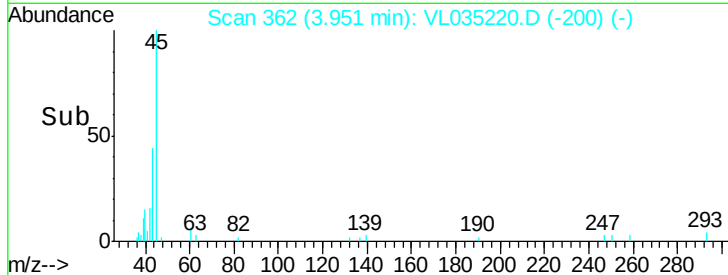
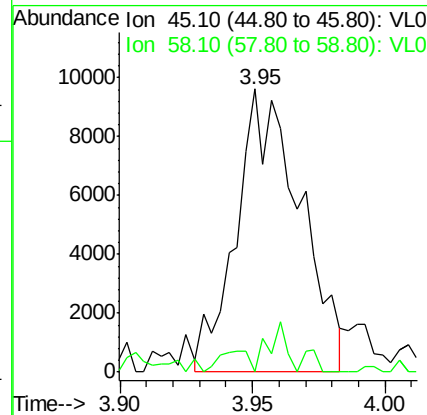
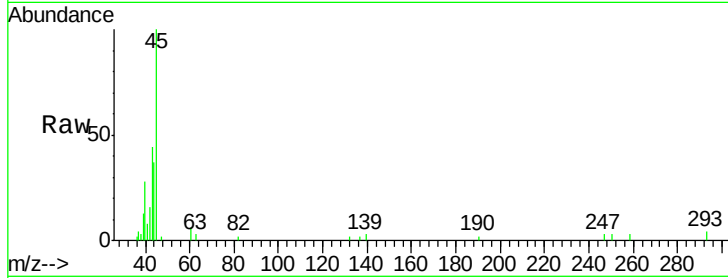
ClientSampleId :

OUTDOOR-AMBIENTDL

Tot Ion	45	Resp	16150
Ion Ratio	Lower	Upper	
45	100		
58	0.0	2.1	3.1#

Manual Integrations
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#20

Methylene Chloride

Concen: 0.696 ppbv

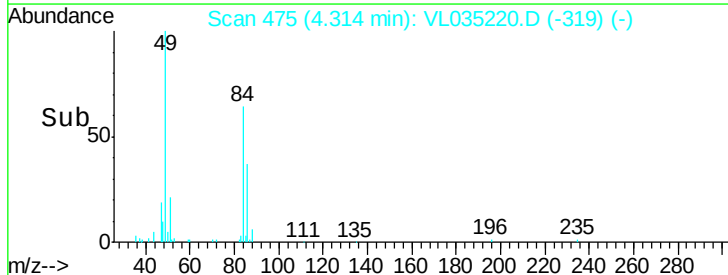
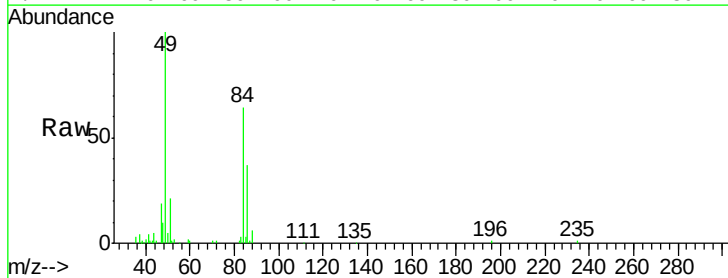
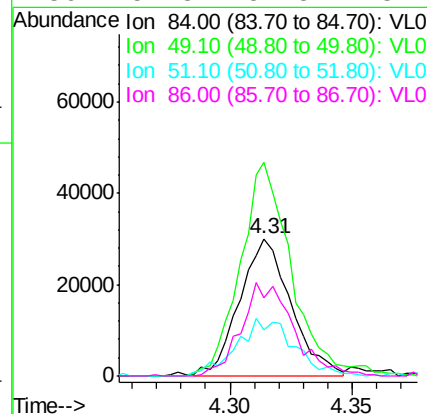
RT: 4.31 min Scan# 475

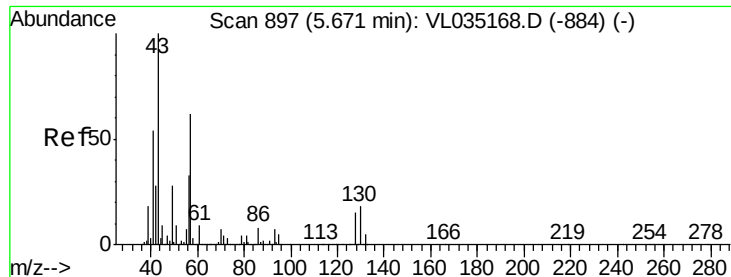
Delta R.T. 0.00 min

Lab File: VL035220.D

Acq: 21 Jul 2020 22:59

Tgt Ion	84	Resp	43966
Ion Ratio	Lower	Upper	
84	100		
49	154.8	119.4	179.0
51	32.1	36.6	55.0#
86	57.3	52.5	78.7





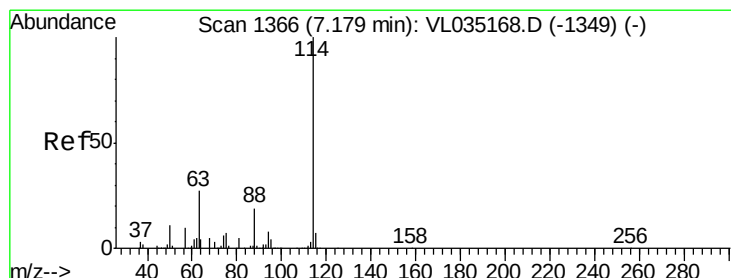
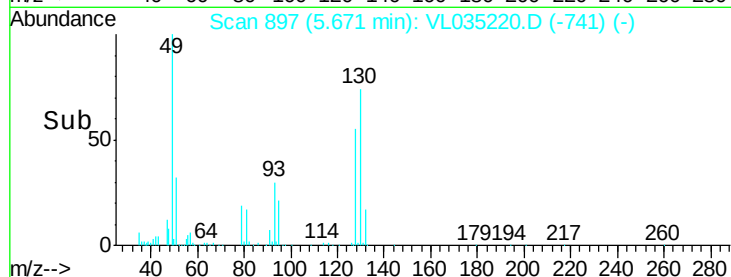
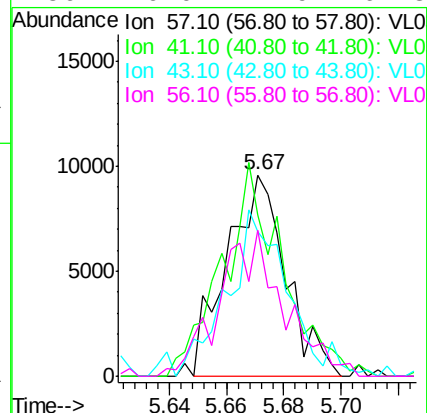
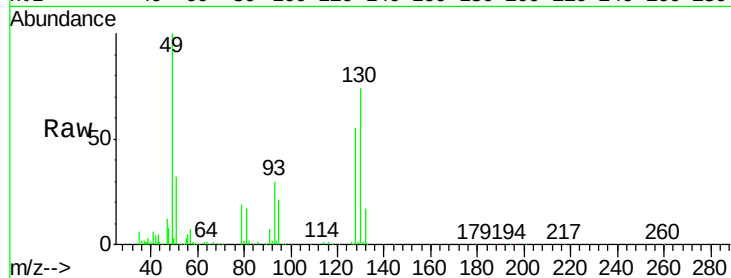
#26
Hexane
Concen: 0.138 ppbv m
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035220.D
Acq: 21 Jul 2020 22:59

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-AMBIENTDL

Tot Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.9	109.3#
43	0.0	179.5	269.3#
56	0.0	42.9	64.3#

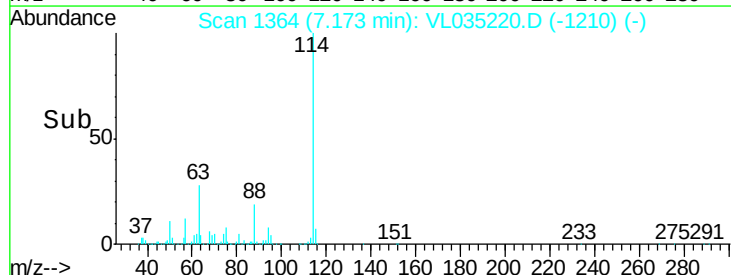
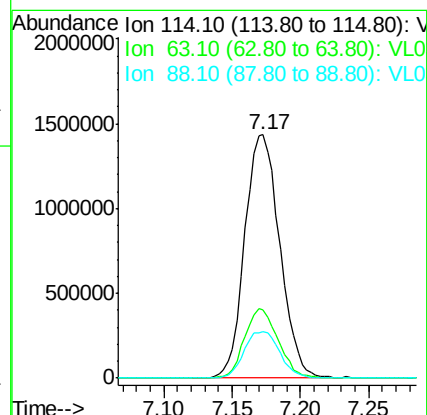
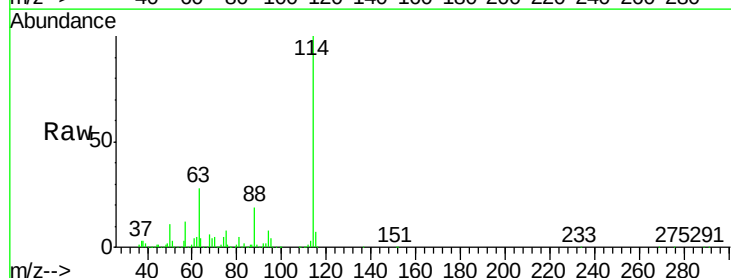
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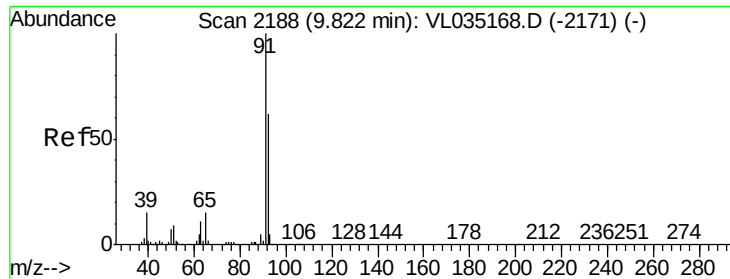
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL035220.D
Acq: 21 Jul 2020 22:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.5	22.0	33.0
88	19.6	15.4	23.0





#53

Toluene

Concen: 0.111 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL035220.D

Acq: 21 Jul 2020 22:59

Instrument :

MSVOA_L

ClientSampleId :

OUTDOOR-AMBIENTDL

Tot Ion: 91 Resp: 21653

Ion Ratio Lower Upper

91 100

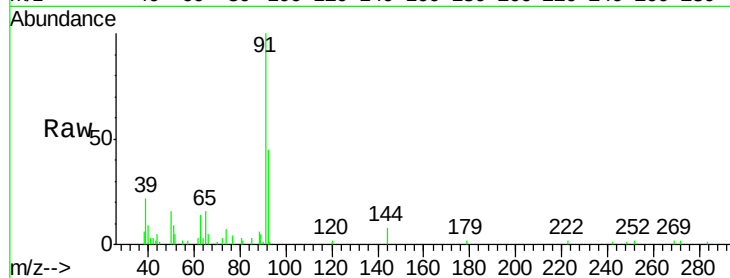
92 56.4 48.4 72.6

Manual Integrations

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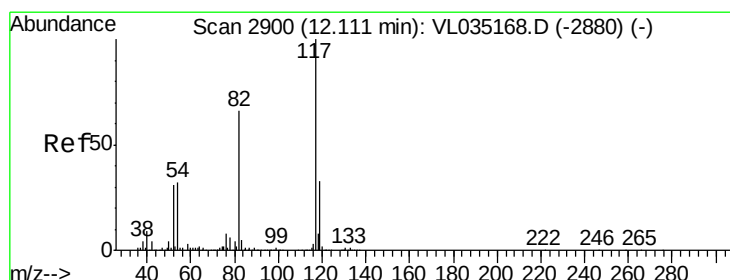
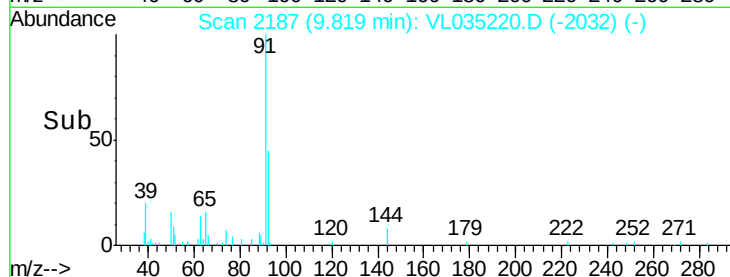
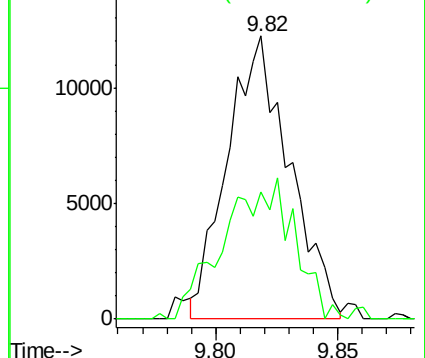
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.01 min

Lab File: VL035220.D

Acq: 21 Jul 2020 22:59

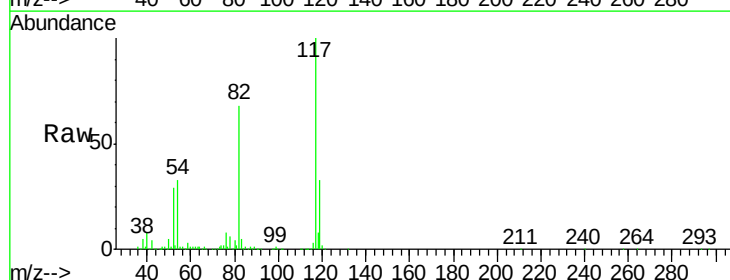
Tgt Ion: 117 Resp: 2372860

Ion Ratio Lower Upper

117 100

82 68.1 52.3 78.5

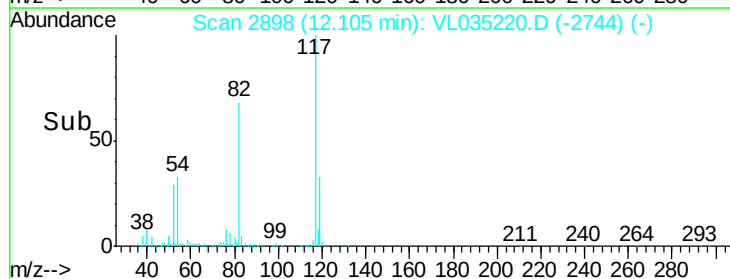
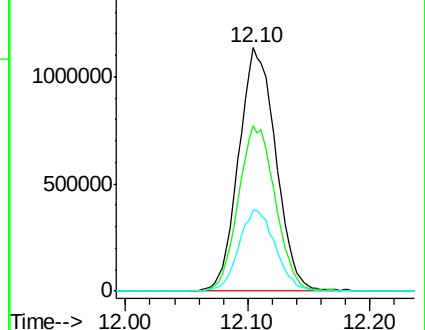
119 33.1 24.9 37.3

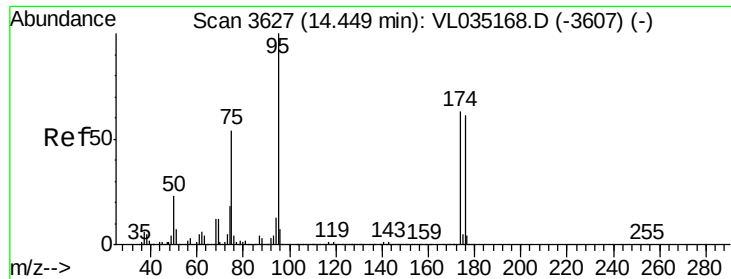


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.078 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.00 min
 Lab File: VL035220.D
 Acq: 21 Jul 2020 22:59

Instrument :
 MSVOA_L
 ClientSampleId :
 OUTDOOR-AMBIENTDL

Tot Ion	Ratio	Lower	Upper
95	100		
174	64.5	52.2	78.2
175	4.7	4.0	6.0

Manual Integrations
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