

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073020\
 Data File : VL035286.D
 Acq On : 30 Jul 2020 19:21
 Operator : SY/AP
 Sample : OC CAN 10303
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC CAN 10303

Quant Time: Jul 31 05:07:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1072111	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2631741	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2405021	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1998098	10.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

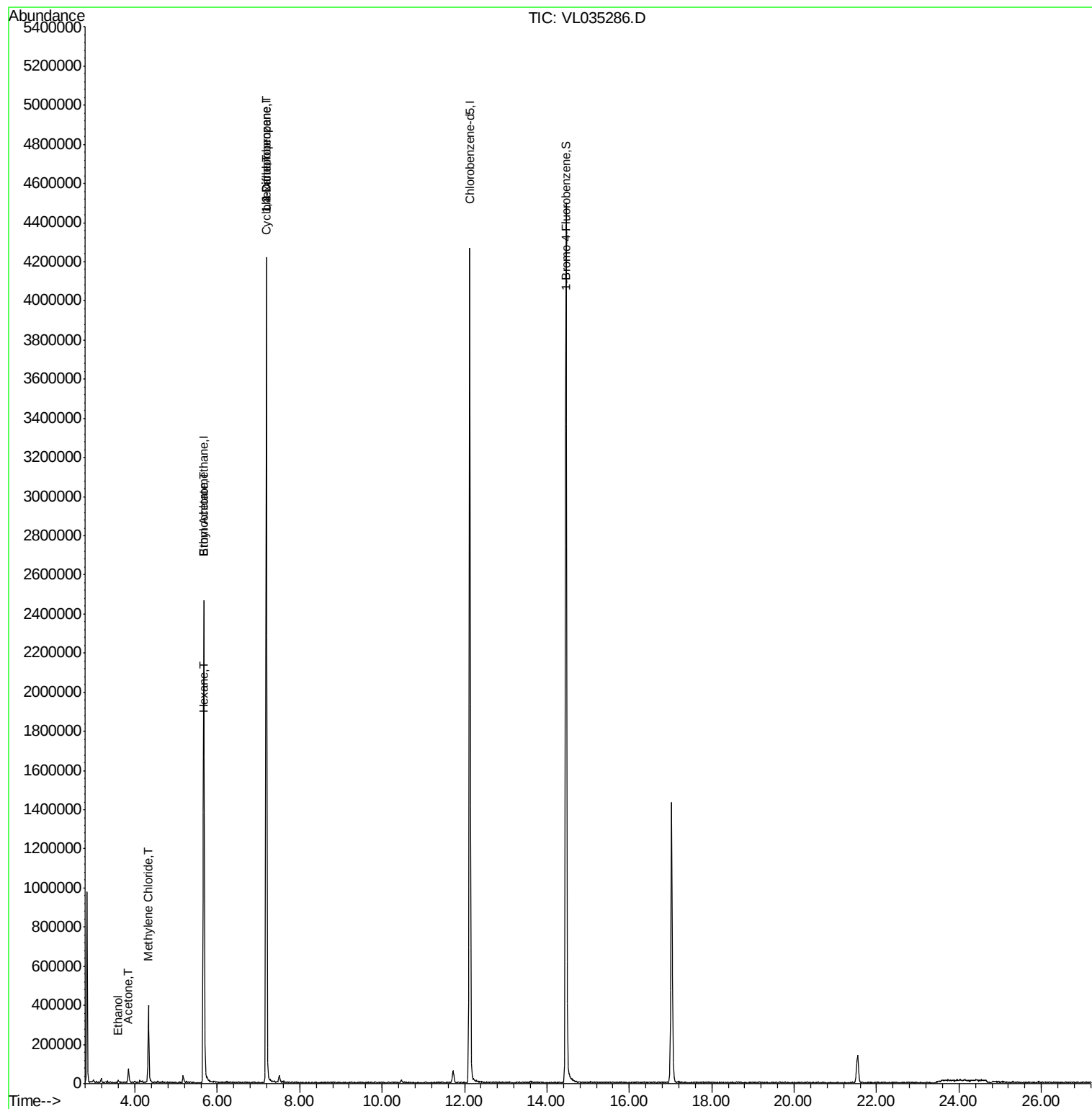
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.58	45	865	0.051	ppbv #	36
15) Acetone	3.84	43	62869	0.440	ppbv #	72
20) Methylene Chloride	4.33	84	133614	2.053	ppbv	94
25) Ethyl Acetate	5.68	43	10008	0.045	ppbv #	84
26) Hexane	5.69	57	18440	0.183	ppbv #	1
30) Cyclohexane	7.18	84	8212	0.114	ppbv #	5
39) 1,2-Dichloropropane	7.19	63	712507	9.764	ppbv #	24

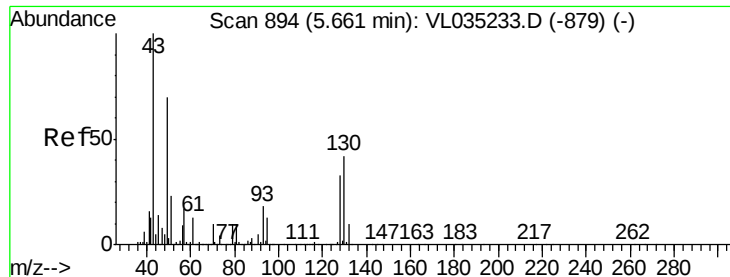
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

Lab File: VL035286.D

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Instrument :

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QC CAN 10303

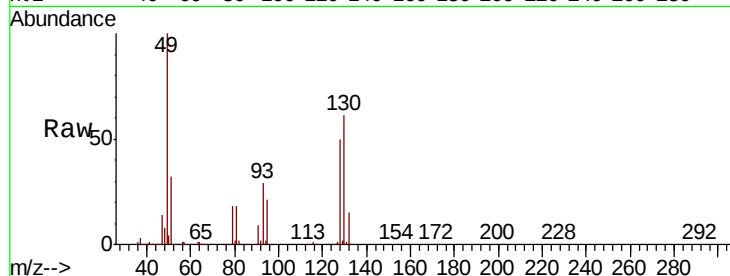
Tot Ion: 49 Resp: 1072111

Ion Ratio Lower Upper

49 100

128 49.9 24.0 72.0

130 63.3 30.7 92.1



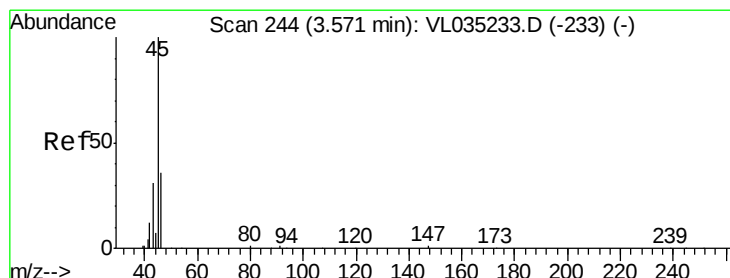
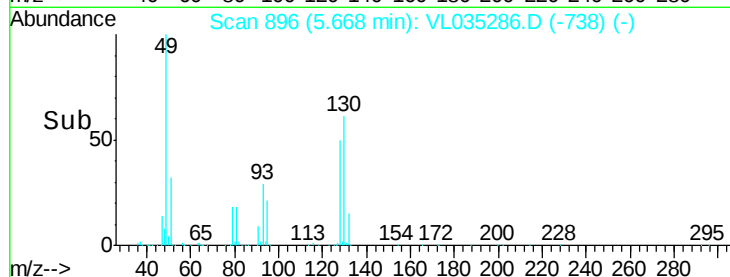
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.67

Time-->



#13

Ethanol

Concen: 0.051 ppbv

RT: 3.58 min Scan# 247

Delta R.T. 0.01 min

Lab File: VL035286.D

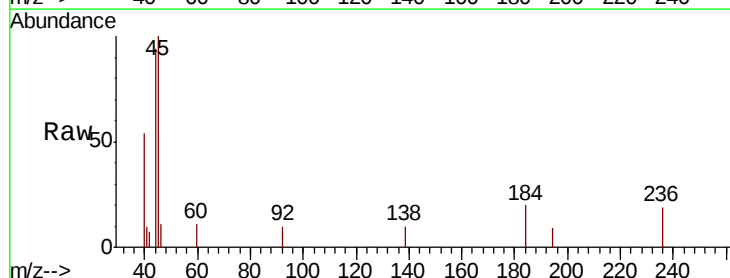
Acq: 30 Jul 2020 19:21

Tgt Ion: 45 Resp: 865

Ion Ratio Lower Upper

45 100

46 0.0 15.8 63.4#

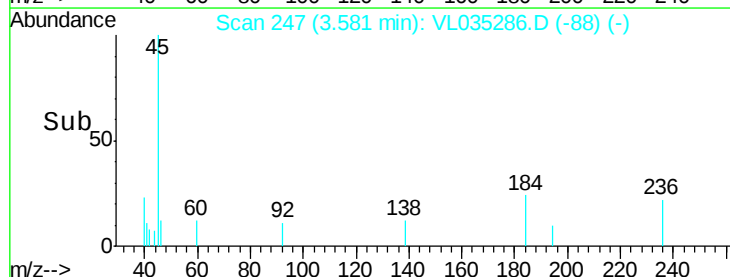


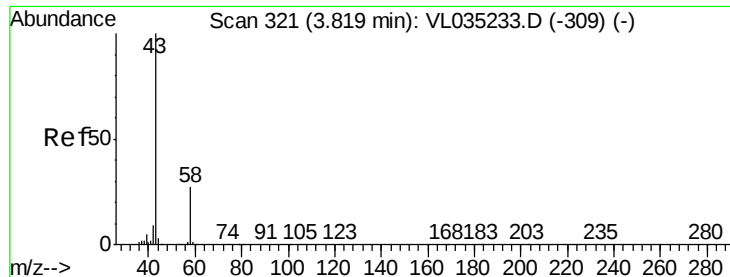
Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.58

Time-->





#15

Acetone

Concen: 0.440 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.03 min

Lab File: VL035286.D

Acq: 30 Jul 2020 19:21

Instrument :

MSVOA_L

ClientSampleId :

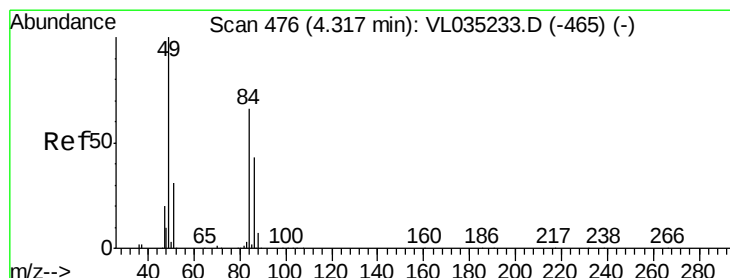
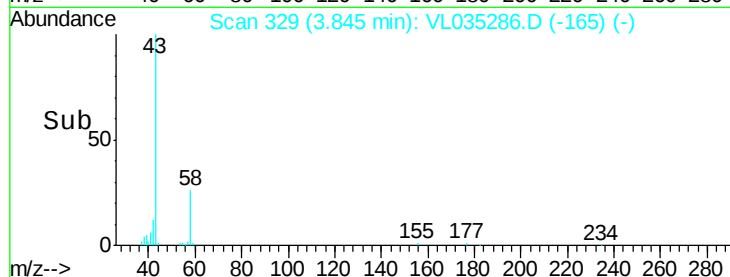
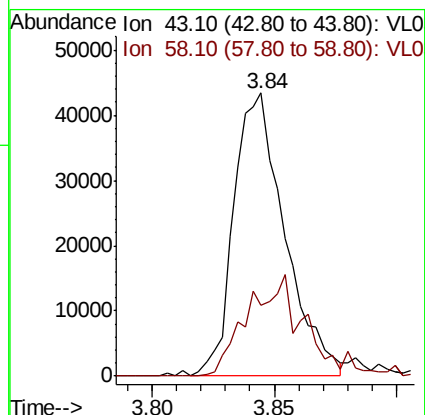
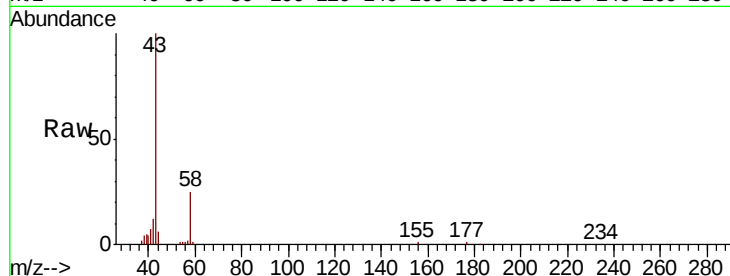
QC CAN 10303

Tot Ion: 43 Resp: 62869

Ion Ratio Lower Upper

43 100

58 41.7 21.8 32.6#



#20

Methylene Chloride

Concen: 2.053 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.01 min

Lab File: VL035286.D

Acq: 30 Jul 2020 19:21

Tgt Ion: 84 Resp: 133614

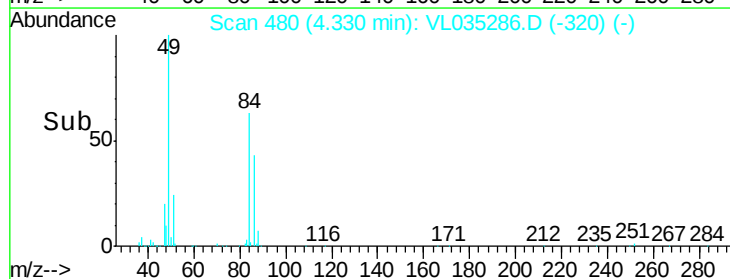
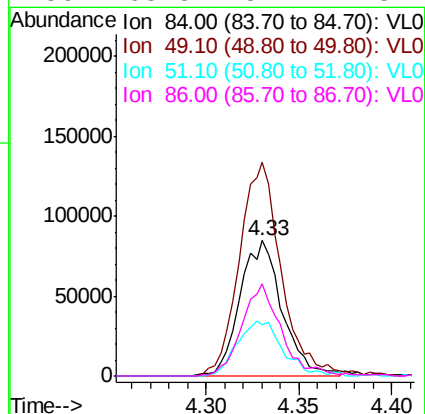
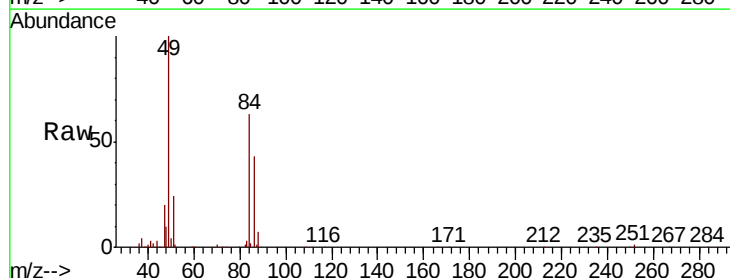
Ion Ratio Lower Upper

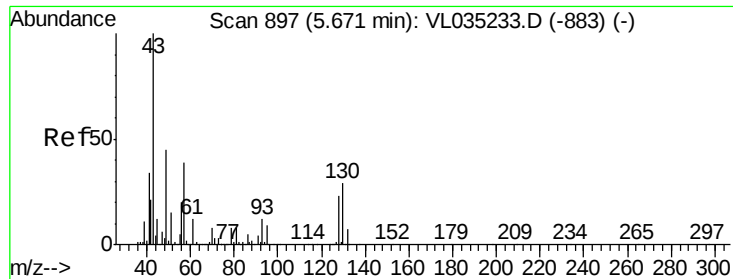
84 100

49 157.6 121.0 181.4

51 37.9 37.7 56.5

86 68.3 52.2 78.4

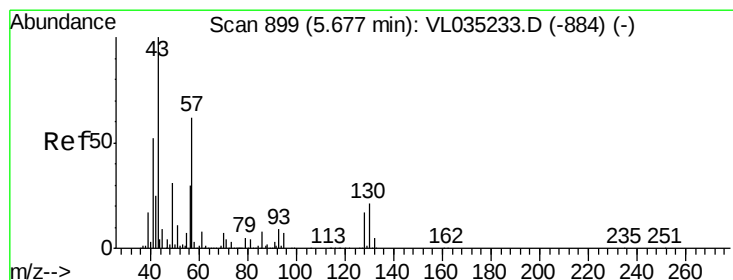
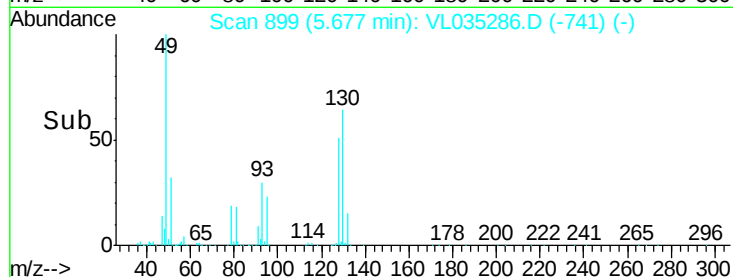
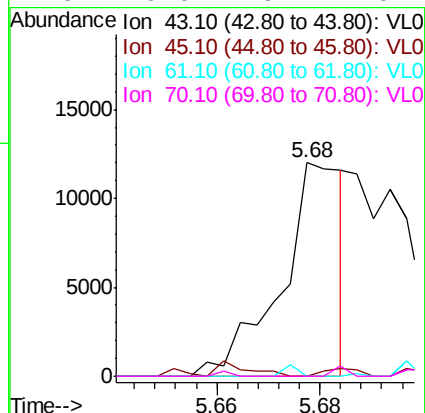
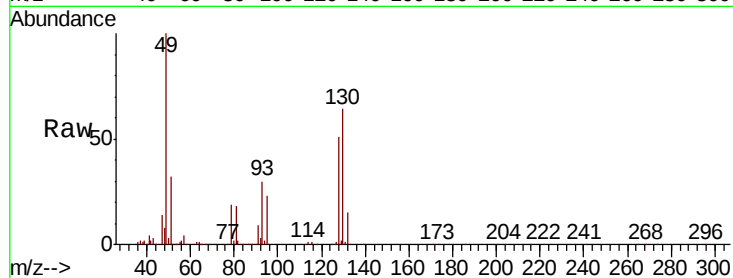




#25
Ethyl Acetate
Concen: 0.045 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL035286.D
Acq: 30 Jul 2020 19:21

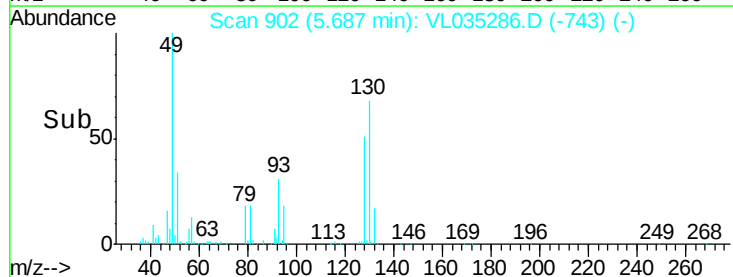
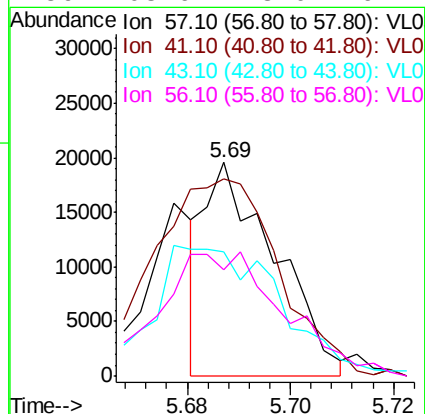
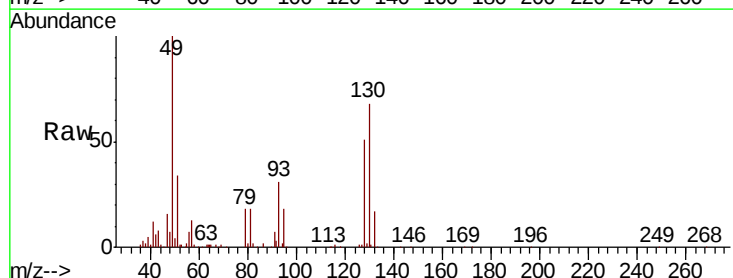
Instrument :
MSVOA_L
ClientSampleId :
QC CAN 10303

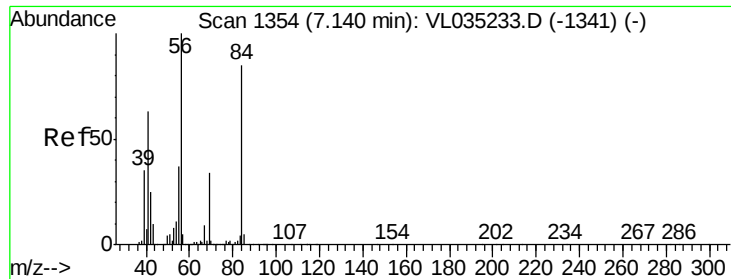
Tot Ion:	43	Resp:	10008
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.5	12.7
61	0.0	8.1	12.1#
70	0.0	6.2	9.4#



#26
Hexane
Concen: 0.183 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL035286.D
Acq: 30 Jul 2020 19:21

Tgt Ion:	57	Resp:	18440
Ion	Ratio	Lower	Upper
57	100		
41	168.7	73.9	110.9#
43	0.0	177.6	266.4#
56	103.6	43.0	64.4#

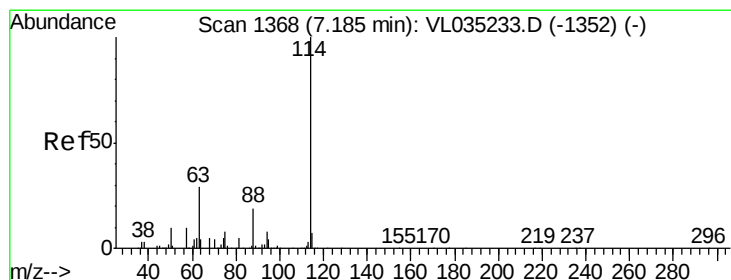
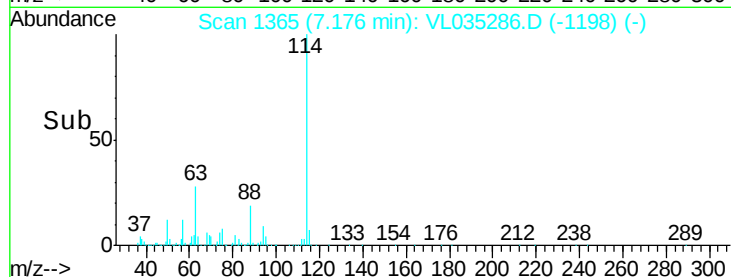
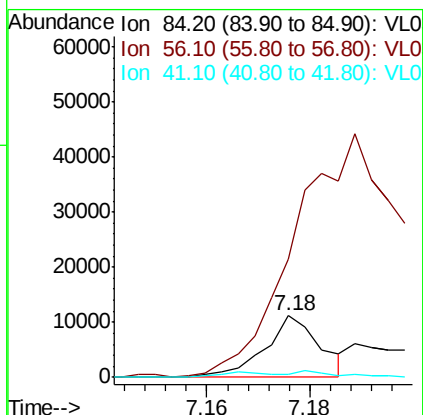
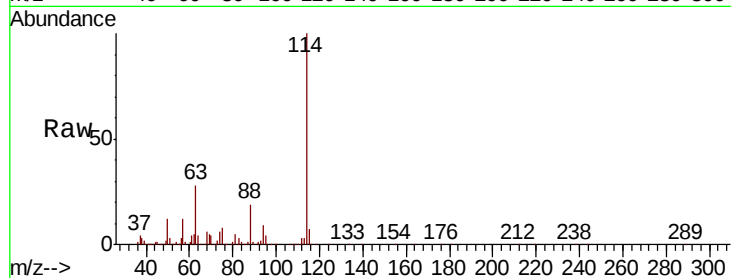




#30
Cvclohexane
Concen: 0.114 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.04 min
Lab File: VL035286.D
Acq: 30 Jul 2020 19:21

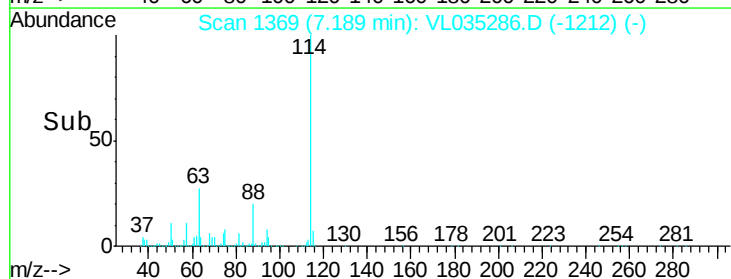
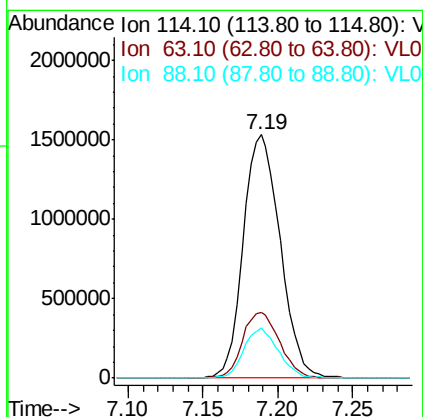
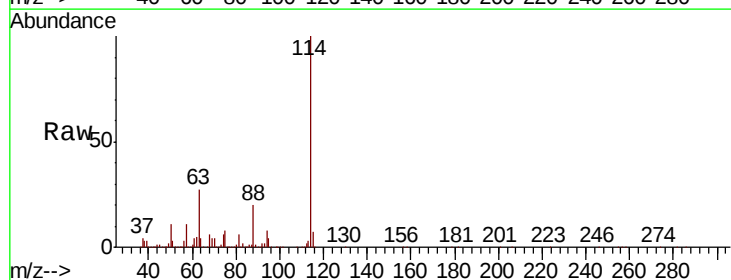
Instrument :
MSVOA_L
ClientSampleId :
QC CAN 10303

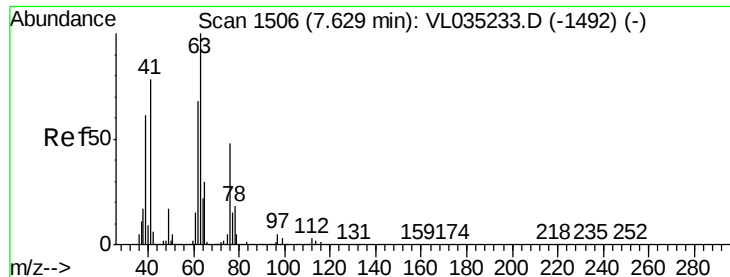
Tot Ion: 84 Resp: 8212
Ion Ratio Lower Upper
84 100
56 0.0 104.2 156.2#
41 19.4 63.7 95.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VL035286.D
Acq: 30 Jul 2020 19:21

Tgt Ion: 114 Resp: 2631741
Ion Ratio Lower Upper
114 100
63 27.4 22.2 33.2
88 19.4 15.4 23.0





#39

1,2-Dichloropropane

Concen: 9.764 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.44 min

Lab File: VL035286.D

Acq: 30 Jul 2020 19:21

Instrument :

MSVOA_L

ClientSampleId :

QC CAN 10303

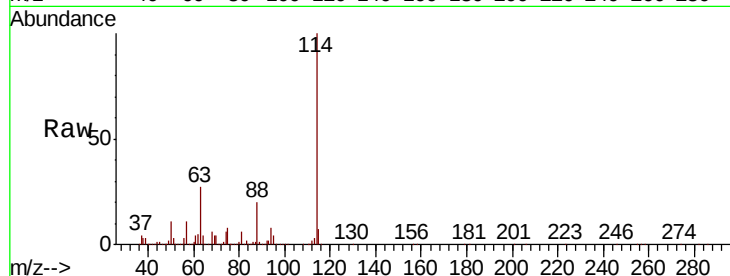
Tot Ion: 63 Resp: 712507

Ion Ratio Lower Upper

63 100

41 0.1 62.2 93.4#

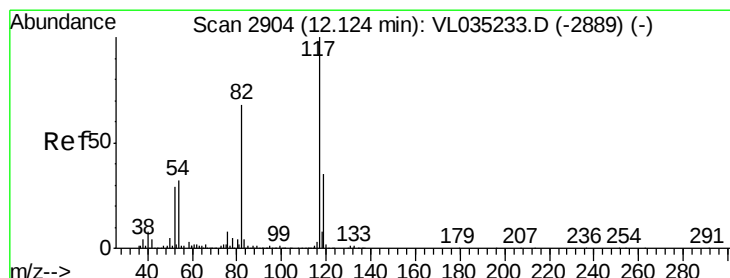
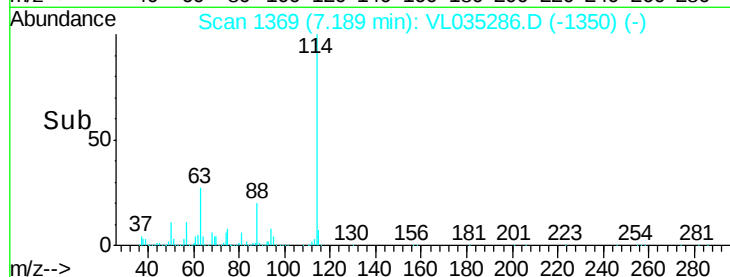
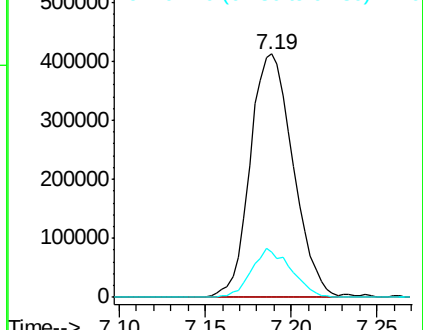
62 18.5 54.2 81.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VL035286.D

Acq: 30 Jul 2020 19:21

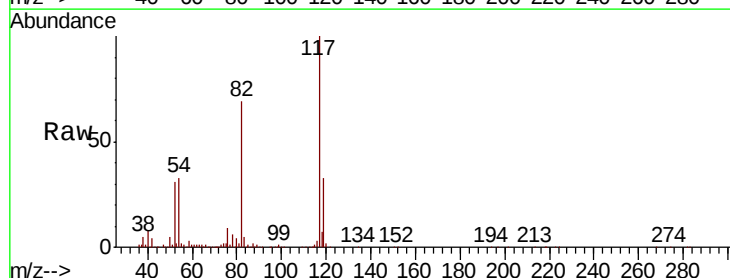
Tgt Ion: 117 Resp: 2405021

Ion Ratio Lower Upper

117 100

82 69.0 52.4 78.6

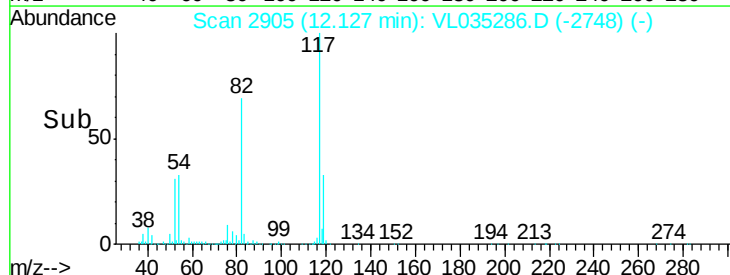
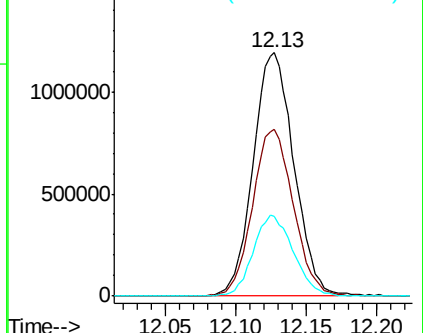
119 32.9 24.6 36.8

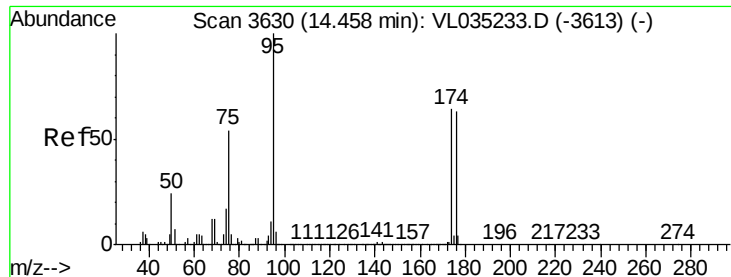


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.397 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VL035286.D

Acq: 30 Jul 2020 19:21

Instrument :

MSVOA_L

ClientSampleId :

QC CAN 10303

Tot Ion: 95 Resp: 1998098

Ion Ratio Lower Upper

95 100

174 64.7 52.7 79.1

175 4.6 3.9 5.9

