

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073020\
 Data File : VL035284.D
 Acq On : 30 Jul 2020 18:00
 Operator : SY/AP
 Sample : OC CAN 10448
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC CAN 10448

Quant Time: Jul 31 05:06:57 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	5.66	49	1064691	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2602876	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2433940	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1939767	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

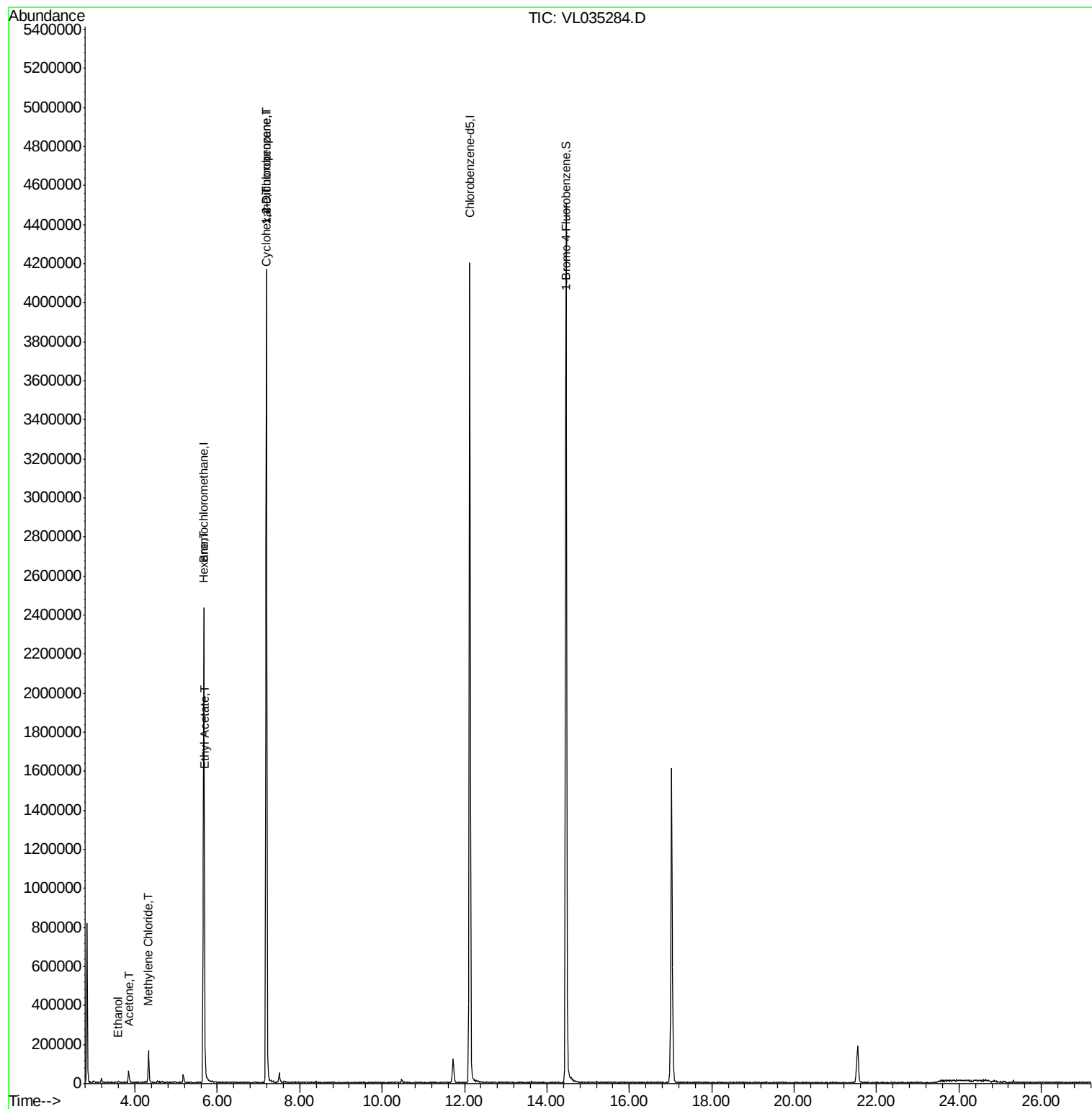
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.58	45	529	0.032	ppbv #	36
15) Acetone	3.85	43	48554	0.342	ppbv #	64
20) Methylene Chloride	4.33	84	52548	0.813	ppbv	92
25) Ethyl Acetate	5.69	43	10456	0.047	ppbv #	88
26) Hexane	5.68	57	6833	0.068	ppbv #	1
30) Cyclohexane	7.18	84	5052	0.071	ppbv #	7
39) 1,2-Dichloropropane	7.19	63	711877	9.863	ppbv #	24

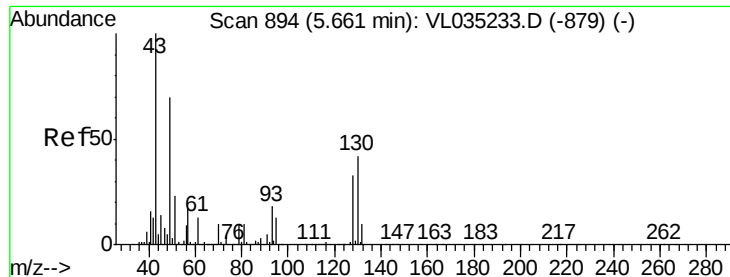
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 29 07:14:29 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: VL035284.D

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Instrument :

MSVOA_L

ClientSampleId :

QC CAN 10448

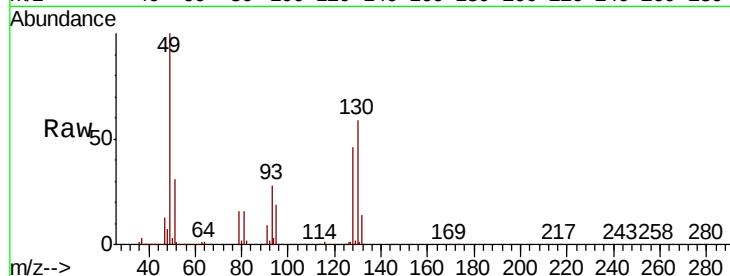
Tot Ion: 49 Resp: 1064691

Ion Ratio Lower Upper

49 100

128 50.0 24.0 72.0

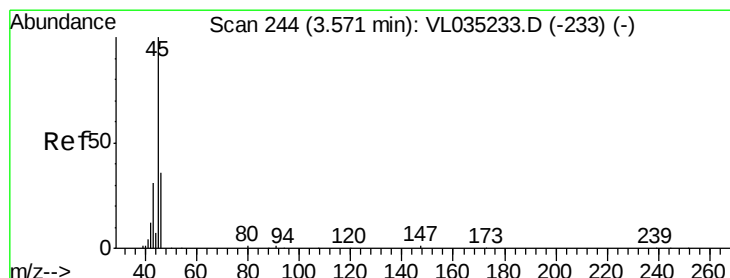
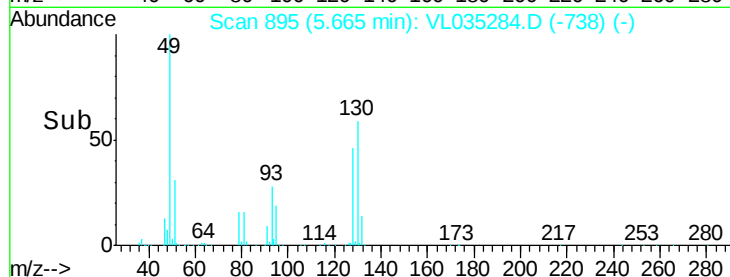
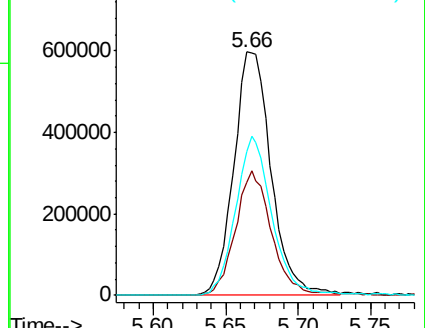
130 63.7 30.7 92.1



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



#13

Ethanol

Concen: 0.032 ppbv

RT: 3.58 min Scan# 248

Delta R.T. 0.01 min

Lab File: VL035284.D

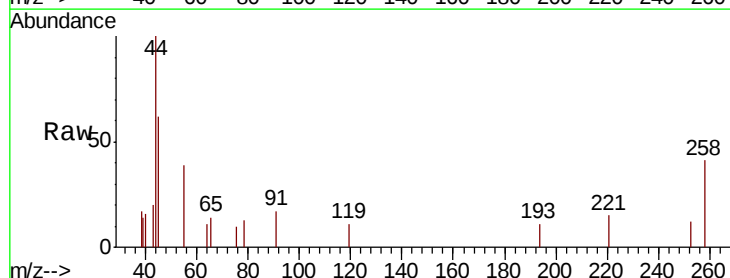
Acq: 30 Jul 2020 18:00

Tgt Ion: 45 Resp: 529

Ion Ratio Lower Upper

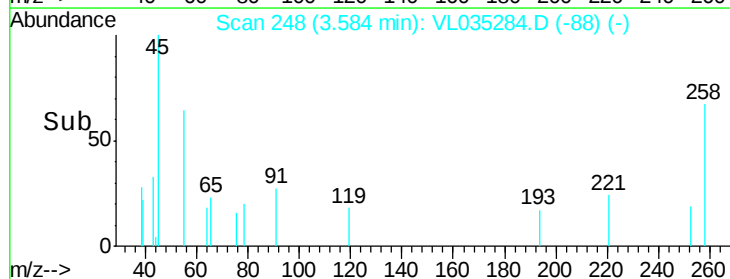
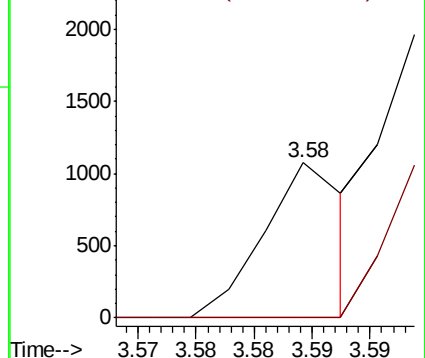
45 100

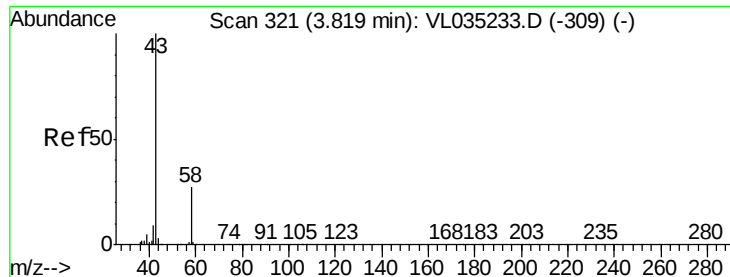
46 0.0 15.8 63.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.342 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.03 min

Lab File: VL035284.D

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Instrument :

MSVOA_L

ClientSampleId :

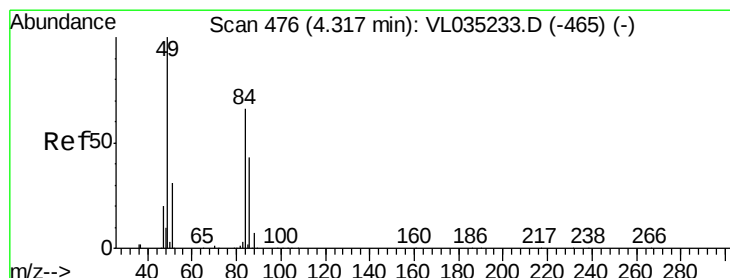
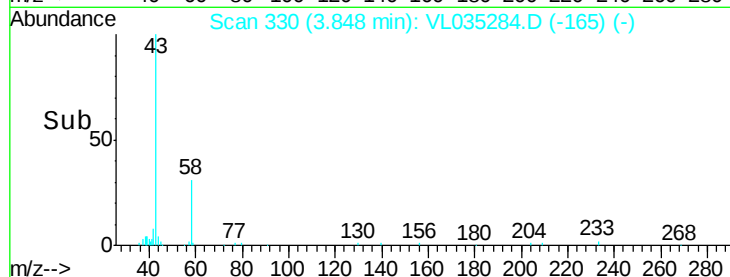
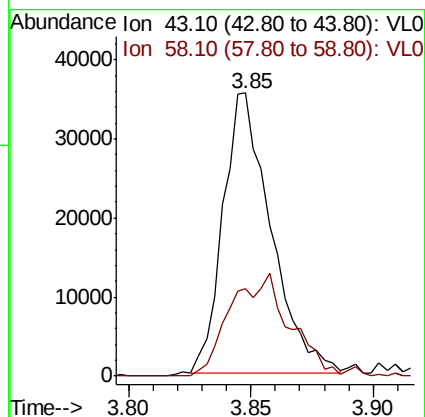
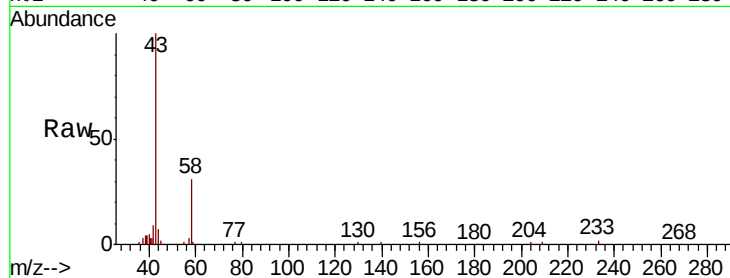
QC CAN 10448

Tot Ion: 43 Resp: 48554

Ion Ratio Lower Upper

43 100

58 45.9 21.8 32.6#



#20

Methylene Chloride

Concen: 0.813 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.01 min

Lab File: VL035284.D

Acq: 30 Jul 2020 18:00

Tgt Ion: 84 Resp: 52548

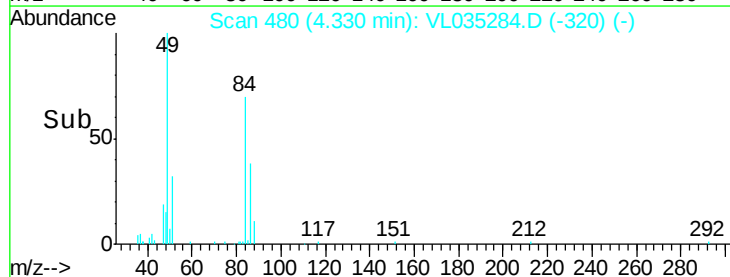
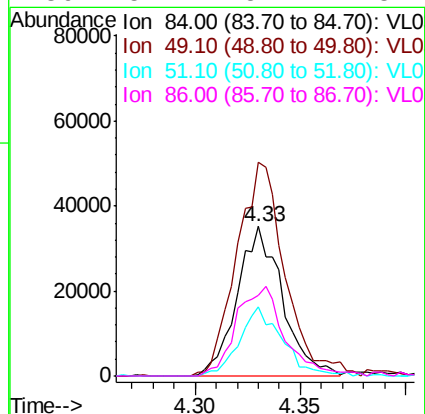
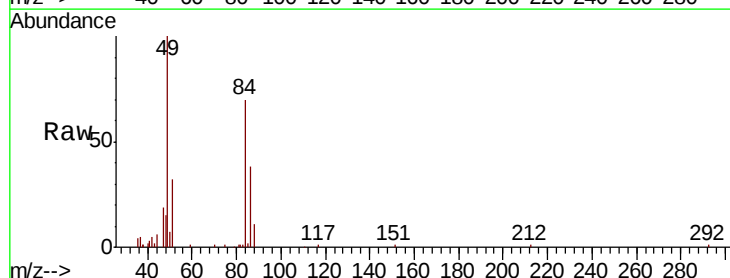
Ion Ratio Lower Upper

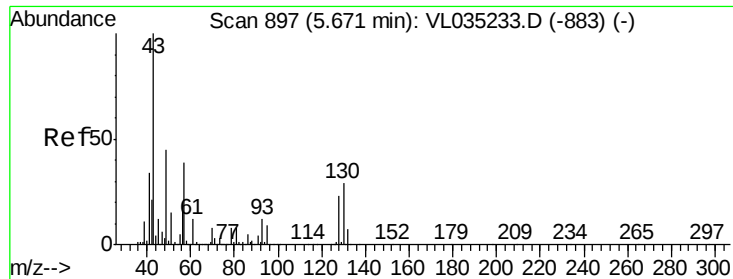
84 100

49 142.9 121.0 181.4

51 45.9 37.7 56.5

86 54.1 52.2 78.4

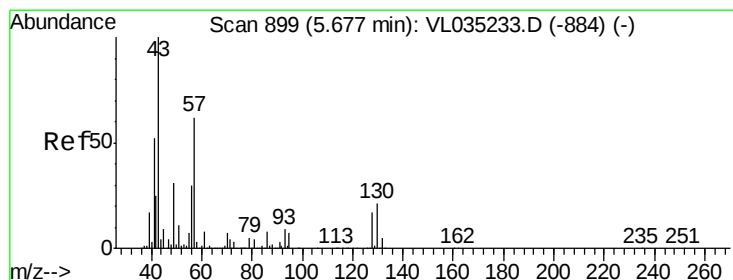
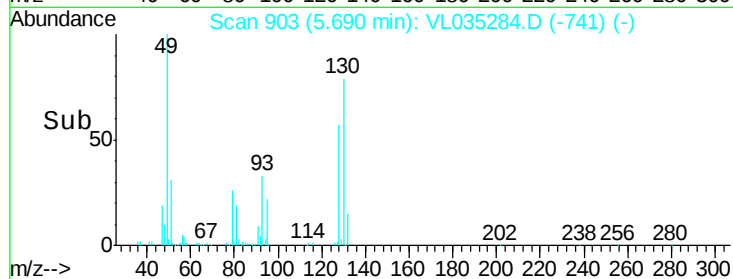
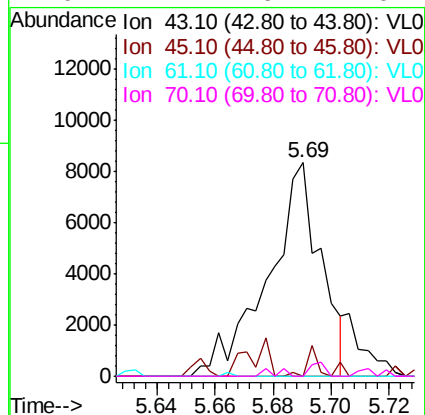
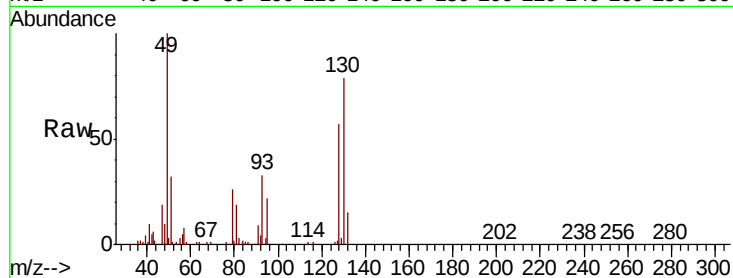




#25
Ethyl Acetate
Concen: 0.047 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL035284.D
Acq: 30 Jul 2020 18:00

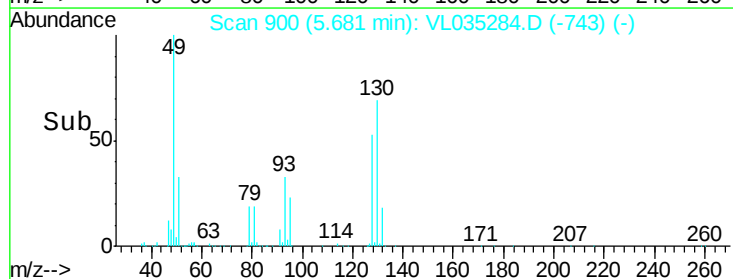
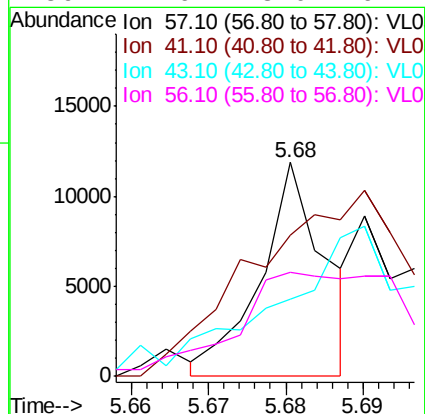
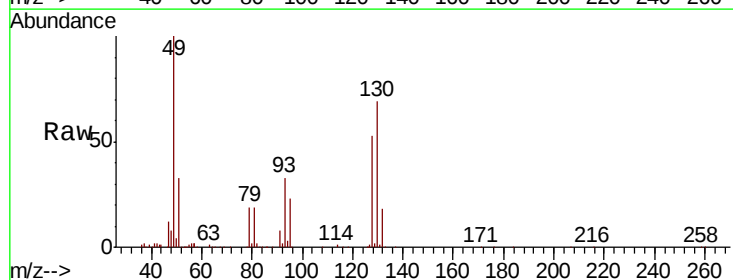
Instrument :
MSVOA_L
ClientSampleId :
QC CAN 10448

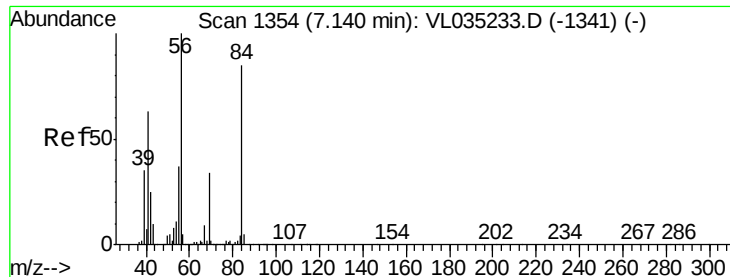
Tot Ion:	43	Resp:	10456
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.5	12.7
61	0.0	8.1	12.1#
70	4.2	6.2	9.4#



#26
Hexane
Concen: 0.068 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL035284.D
Acq: 30 Jul 2020 18:00

Tgt Ion:	57	Resp:	6833
Ion	Ratio	Lower	Upper
57	100		
41	0.0	73.9	110.9#
43	0.0	177.6	266.4#
56	147.6	43.0	64.4#

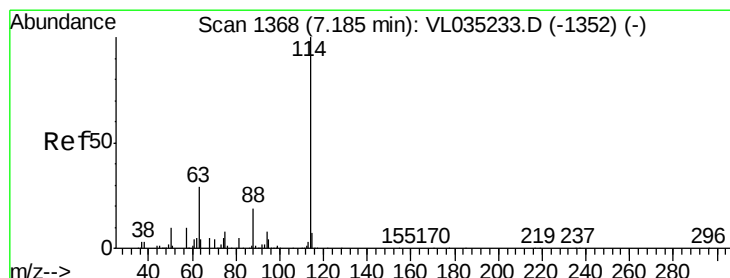
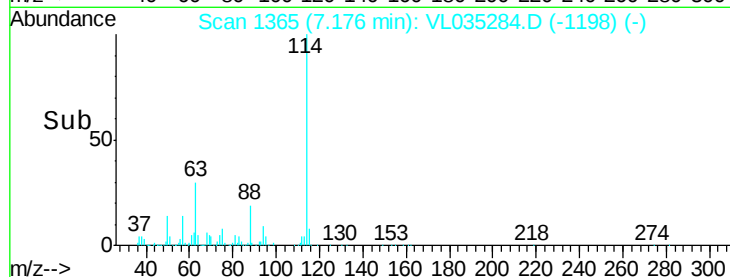
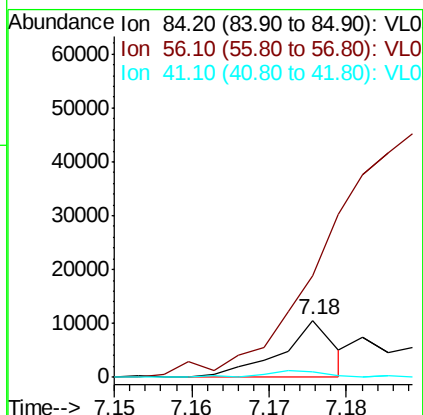
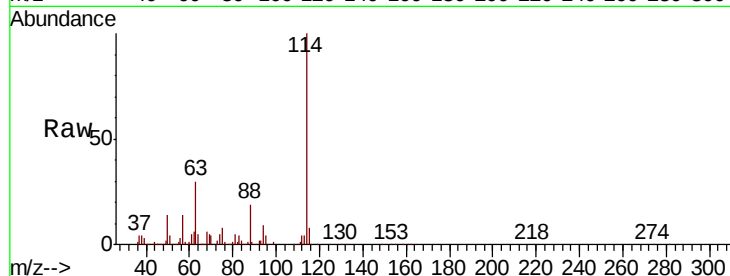




#30
Cvclohexane
Concen: 0.071 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.04 min
Lab File: VL035284.D
Acq: 30 Jul 2020 18:00

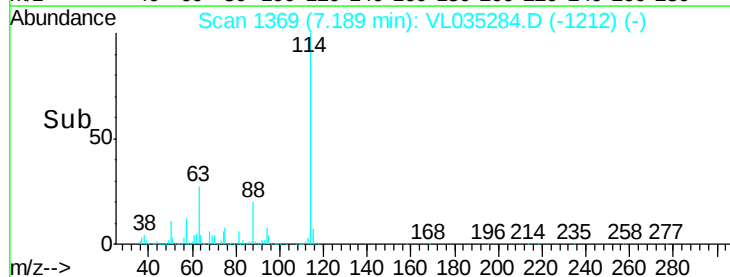
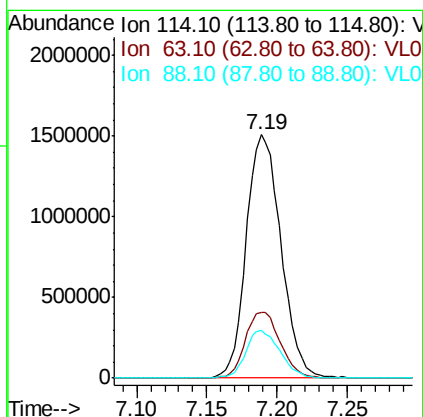
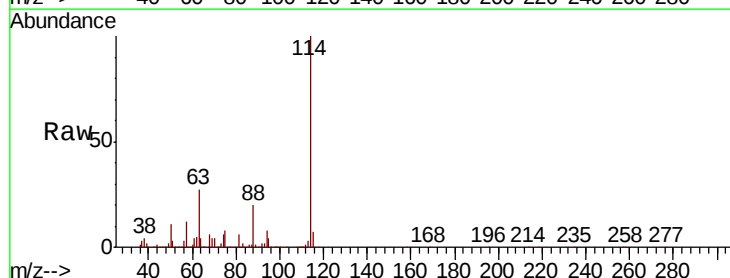
Instrument :
MSVOA_L
ClientSampleId :
QC CAN 10448

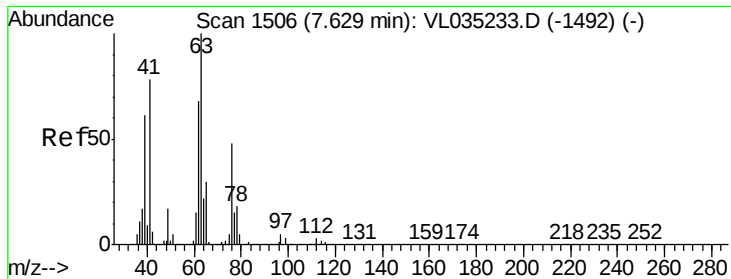
Tot Ion: 84 Resp: 5052
Ion Ratio Lower Upper
84 100
56 0.0 104.2 156.2#
41 23.7 63.7 95.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VL035284.D
Acq: 30 Jul 2020 18:00

Tgt Ion: 114 Resp: 2602876
Ion Ratio Lower Upper
114 100
63 27.5 22.2 33.2
88 19.4 15.4 23.0





#39

1,2-Dichloropropane

Concen: 9.863 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.44 min

Lab File: VL035284.D

Acq: 30 Jul 2020 18:00

Instrument :

MSVOA_L

ClientSampleId :

QC CAN 10448

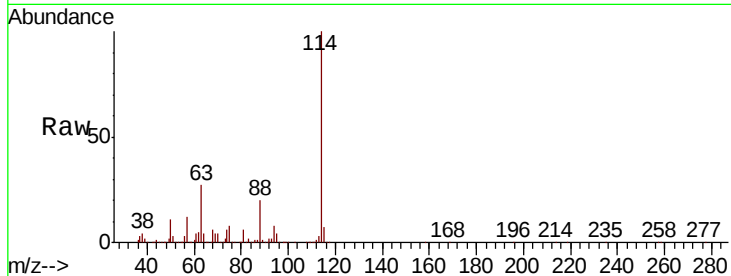
Tot Ion: 63 Resp: 711877

Ion Ratio Lower Upper

63 100

41 0.0 62.2 93.4#

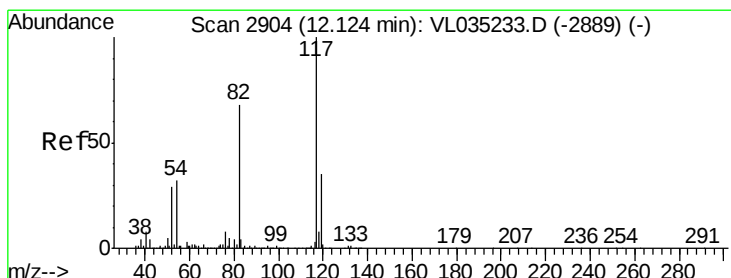
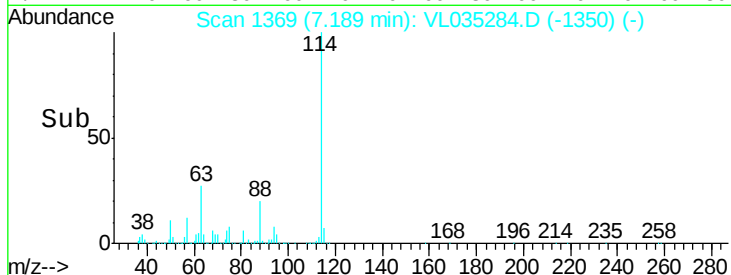
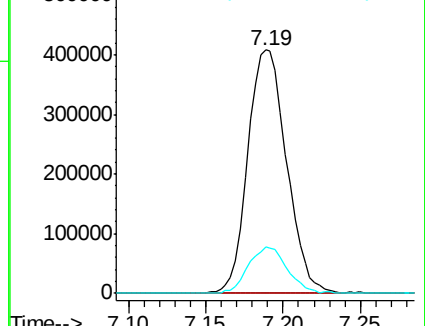
62 19.1 54.2 81.2#



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: VL035284.D

Acq: 30 Jul 2020 18:00

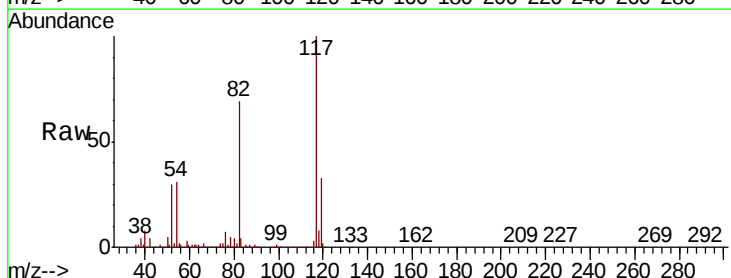
Tgt Ion: 117 Resp: 2433940

Ion Ratio Lower Upper

117 100

82 68.8 52.4 78.6

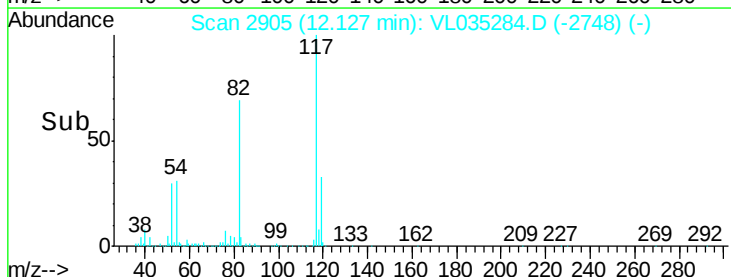
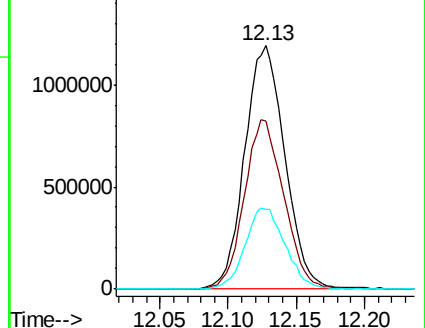
119 33.3 24.6 36.8

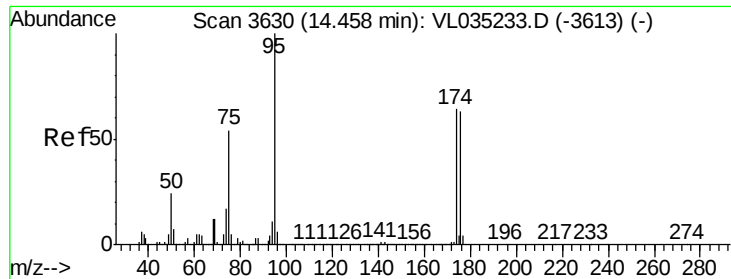


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.974 ppbv
 RT: 14.46 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VL035284.D
 Acq: 30 Jul 2020 18:00

Instrument :
 MSVOA_L
 ClientSampleId :
 QC CAN 10448

Tot Ion: 95 Resp: 1939767
 Ion Ratio Lower Upper
 95 100
 174 66.4 52.7 79.1
 175 4.6 3.9 5.9

