

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073020\
 Data File : VL035282.D
 Acq On : 30 Jul 2020 16:38
 Operator : SY/AP
 Sample : OC CAN 10332
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC CAN 10332

Quant Time: Jul 31 05:06:36 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	1065772	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2620978	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2383521	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1976253	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

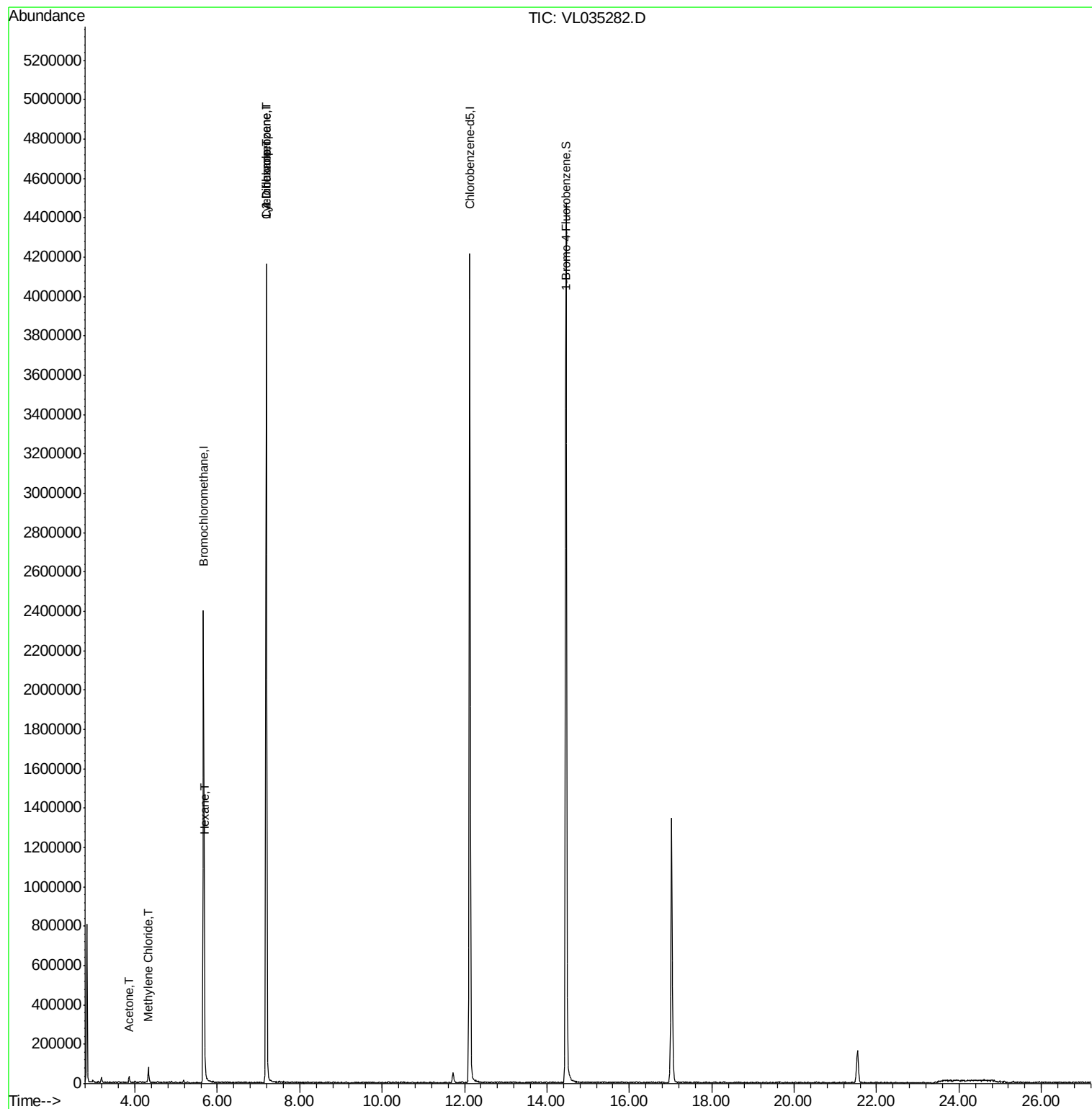
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.85	43	10451	0.074	ppbv #	48
20) Methylene Chloride	4.33	84	18219	0.282	ppbv #	70
26) Hexane	5.69	57	4652	0.046	ppbv #	39
30) Cyclohexane	7.18	84	6594	0.092	ppbv #	1
39) 1,2-Dichloropropane	7.19	63	723567	9.956	ppbv #	24

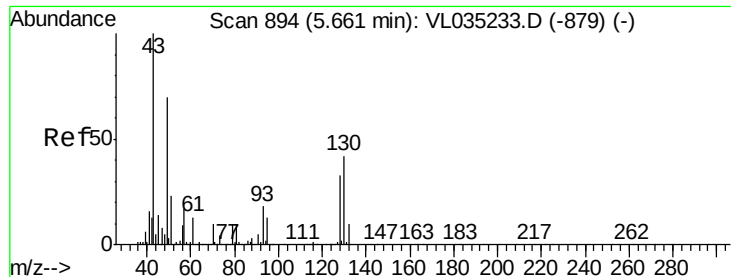
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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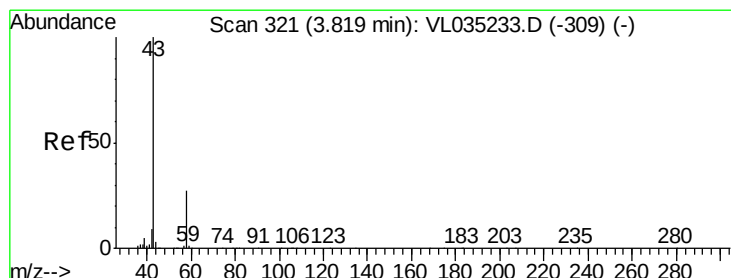
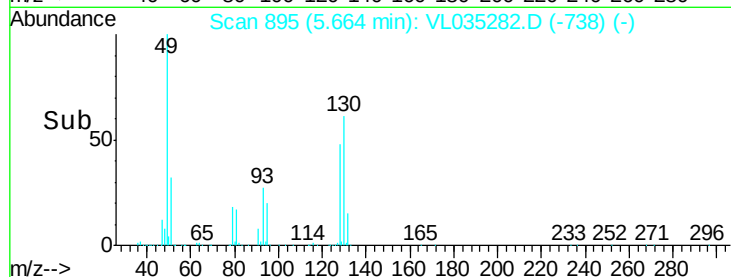
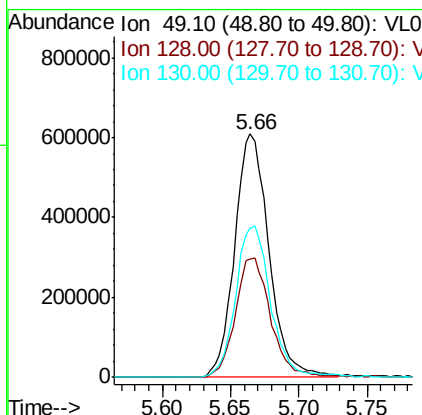
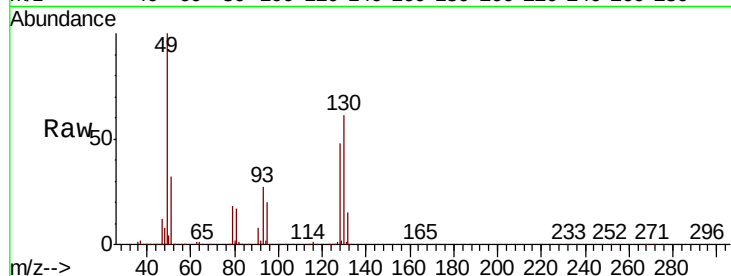




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VL035282.D
 Acq: 30 Jul 2020 16:38

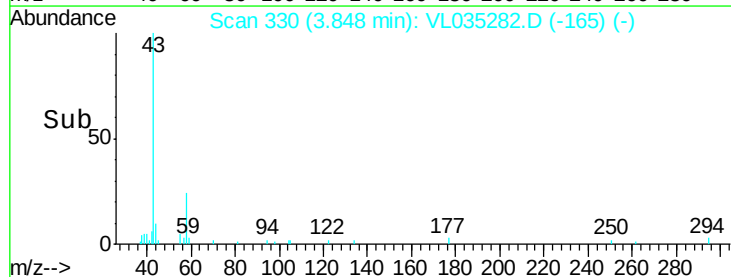
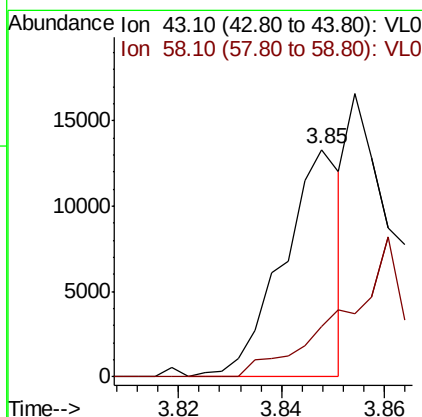
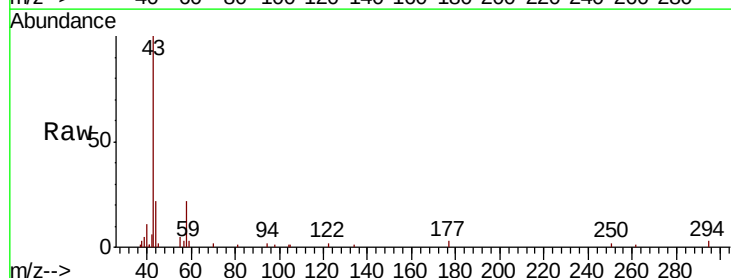
Instrument :
 MSVOA_L
 ClientSampleId :
 QC CAN 10332

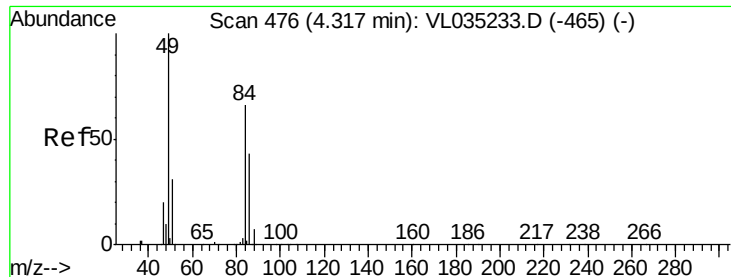
Tot Ion: 49 Resp: 1065772
 Ion Ratio Lower Upper
 49 100
 128 50.8 24.0 72.0
 130 63.6 30.7 92.1



#15
 Acetone
 Concen: 0.074 ppbv
 RT: 3.85 min Scan# 330
 Delta R.T. 0.03 min
 Lab File: VL035282.D
 Acq: 30 Jul 2020 16:38

Tgt Ion: 43 Resp: 10451
 Ion Ratio Lower Upper
 43 100
 58 0.0 21.8 32.6#





#20

Methylene Chloride

Concen: 0.282 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.01 min

Lab File: VL035282.D

Acq: 30 Jul 2020 16:38

Instrument :

MSVOA_L

ClientSampleId :

QC CAN 10332

Tot Ion: 84 Resp: 18219

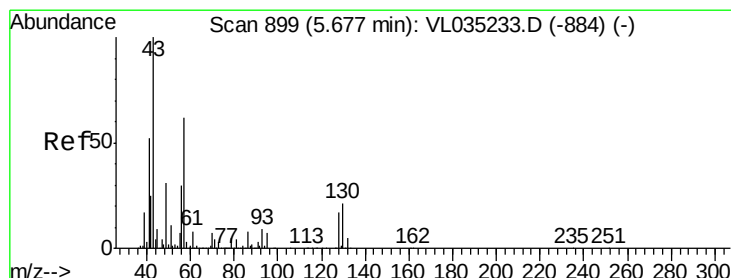
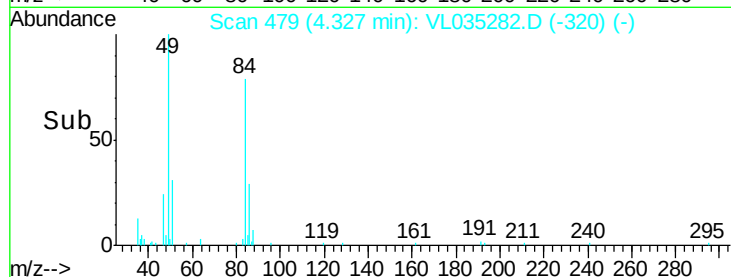
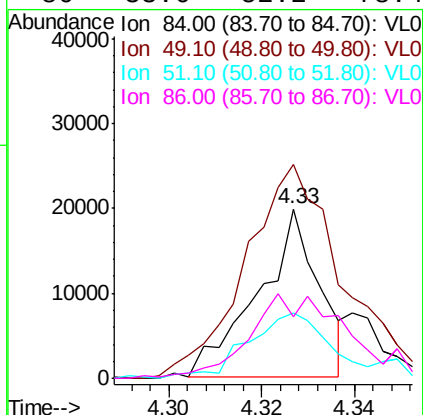
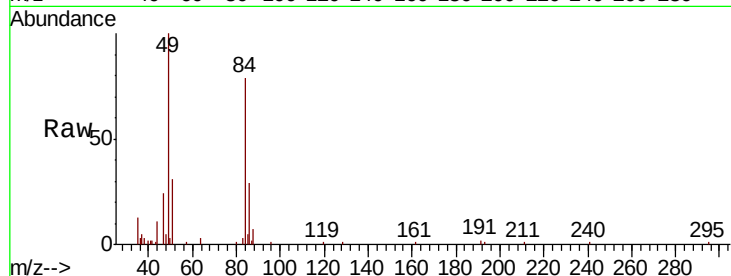
Ion Ratio Lower Upper

84 100

49 113.3 121.0 181.4#

51 35.9 37.7 56.5#

86 33.6 52.2 78.4#



#26

Hexane

Concen: 0.046 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL035282.D

Acq: 30 Jul 2020 16:38

Tgt Ion: 57 Resp: 4652

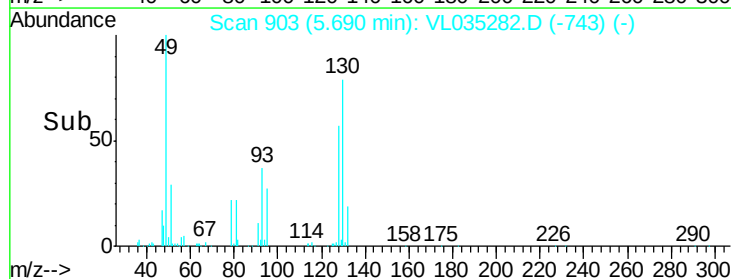
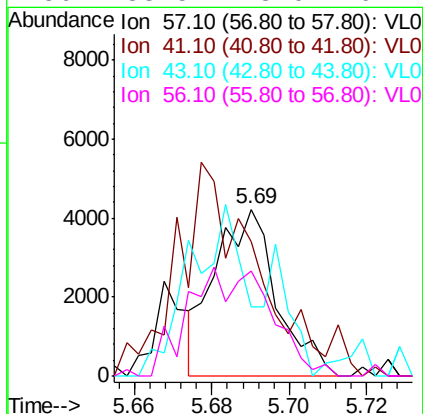
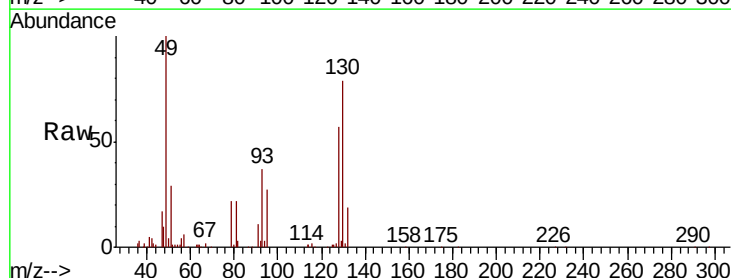
Ion Ratio Lower Upper

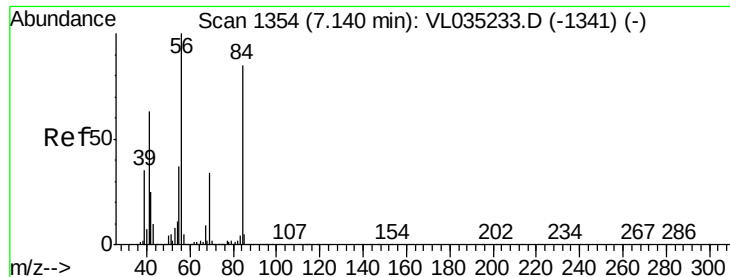
57 100

41 168.7 73.9 110.9#

43 131.9 177.6 266.4#

56 88.5 43.0 64.4#





#30

Cyclohexane

Concen: 0.092 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. 0.04 min

Lab File: VL035282.D

Acq: 30 Jul 2020 16:38

Instrument :

MSVOA_L

ClientSampleId :

QC CAN 10332

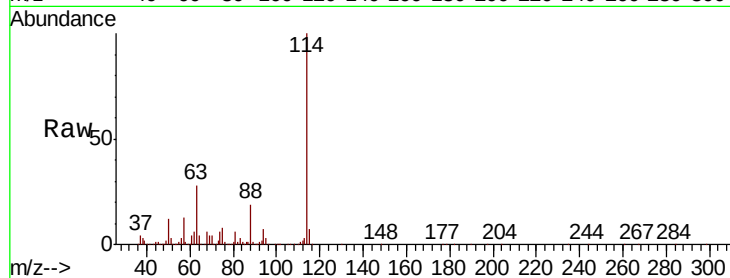
Tot Ion: 84 Resp: 6594

Ion Ratio Lower Upper

84 100

56 0.0 104.2 156.2#

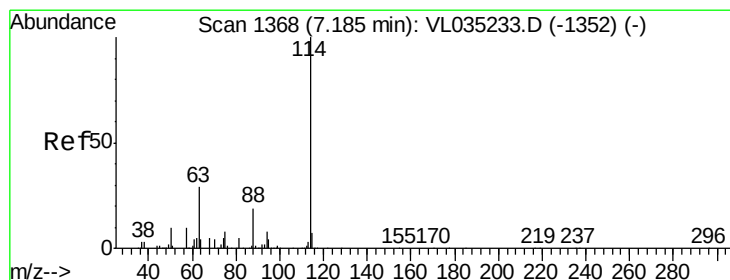
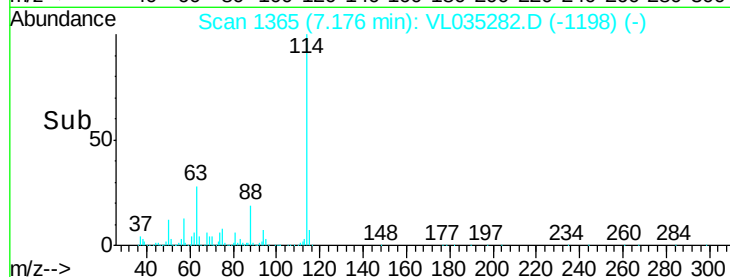
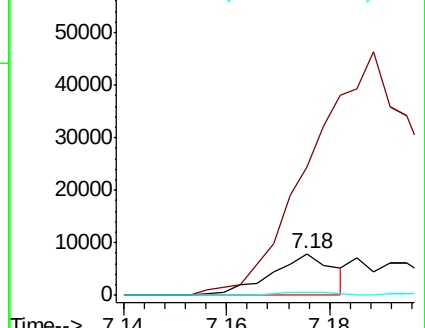
41 0.0 63.7 95.5#



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VL035282.D

Acq: 30 Jul 2020 16:38

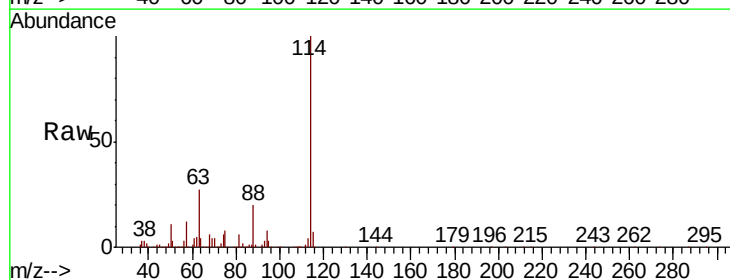
Tgt Ion: 114 Resp: 2620978

Ion Ratio Lower Upper

114 100

63 27.7 22.2 33.2

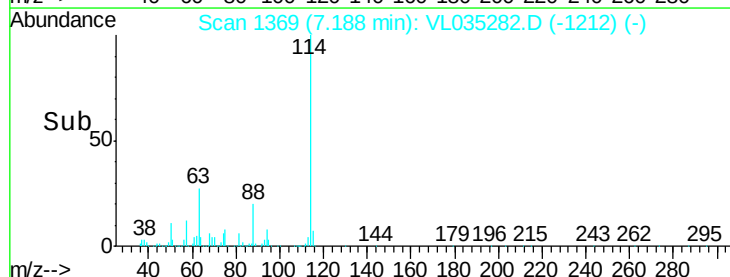
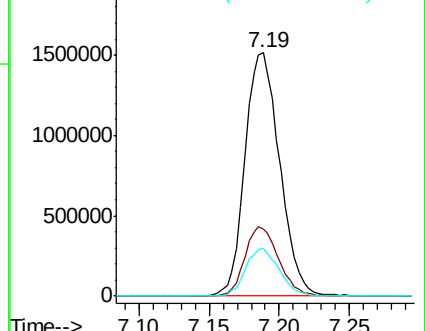
88 19.2 15.4 23.0

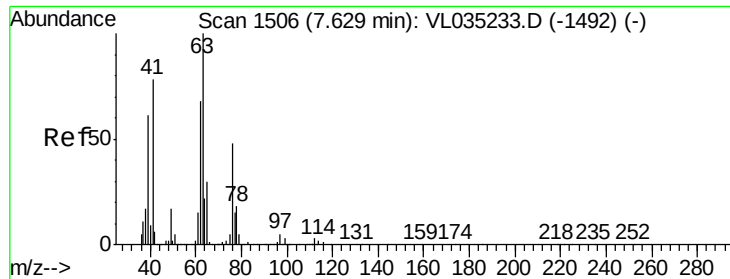


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 9.956 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. -0.44 min

Lab File: VL035282.D

Acq: 30 Jul 2020 16:38

Instrument :

MSVOA_L

ClientSampleId :

QC CAN 10332

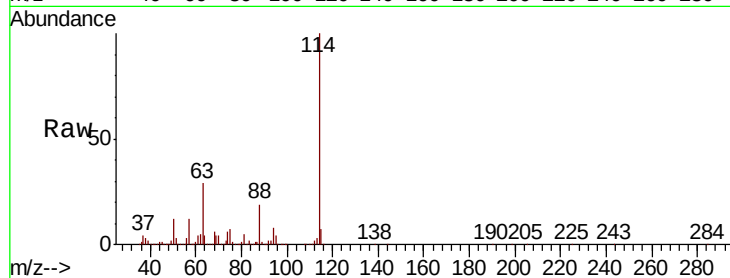
Tot Ion: 63 Resp: 723567

Ion Ratio Lower Upper

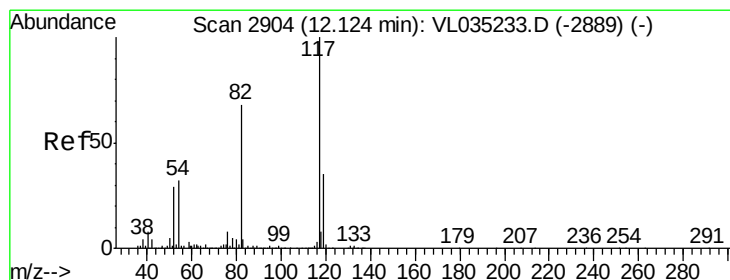
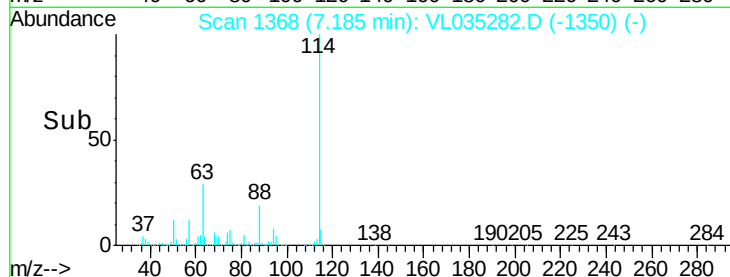
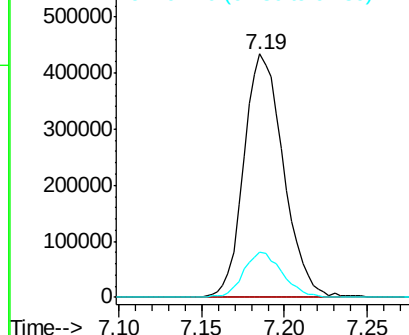
63 100

41 0.0 62.2 93.4#

62 18.7 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: VL035282.D

Acq: 30 Jul 2020 16:38

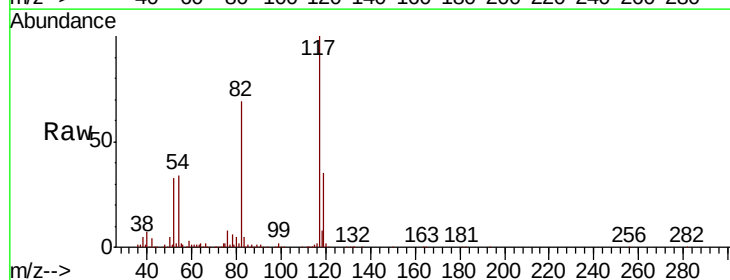
Tgt Ion: 117 Resp: 2383521

Ion Ratio Lower Upper

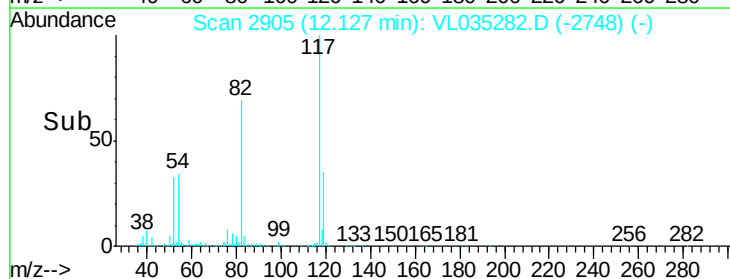
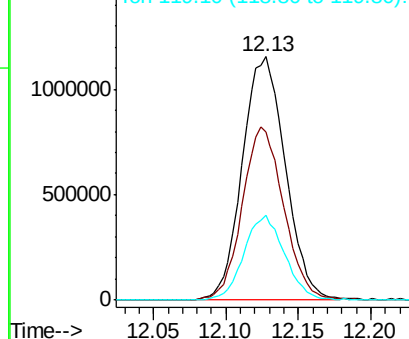
117 100

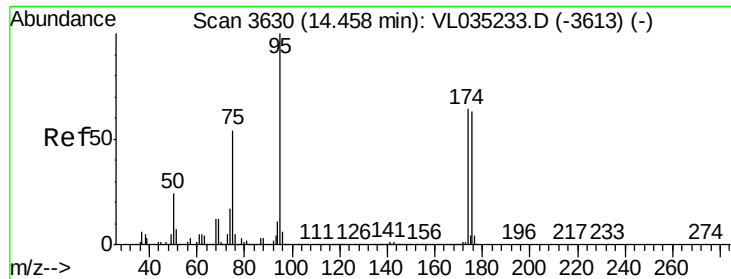
82 69.0 52.4 78.6

119 33.2 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: 10.376 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VL035282.D

Acq: 30 Jul 2020 16:38

Instrument :

MSVOA_L

ClientSampleId :

QC CAN 10332

Tot Ion: 95 Resp: 1976253

Ion Ratio Lower Upper

95 100

174 64.6 52.7 79.1

175 4.7 3.9 5.9

