

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073020\
 Data File : VL035281.D
 Acq On : 30 Jul 2020 15:58
 Operator : SY/AP
 Sample : OC CAN 10269
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC CAN 10269

Quant Time: Jul 31 05:06:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	1065702	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2631138	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2417819	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1991907	10.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

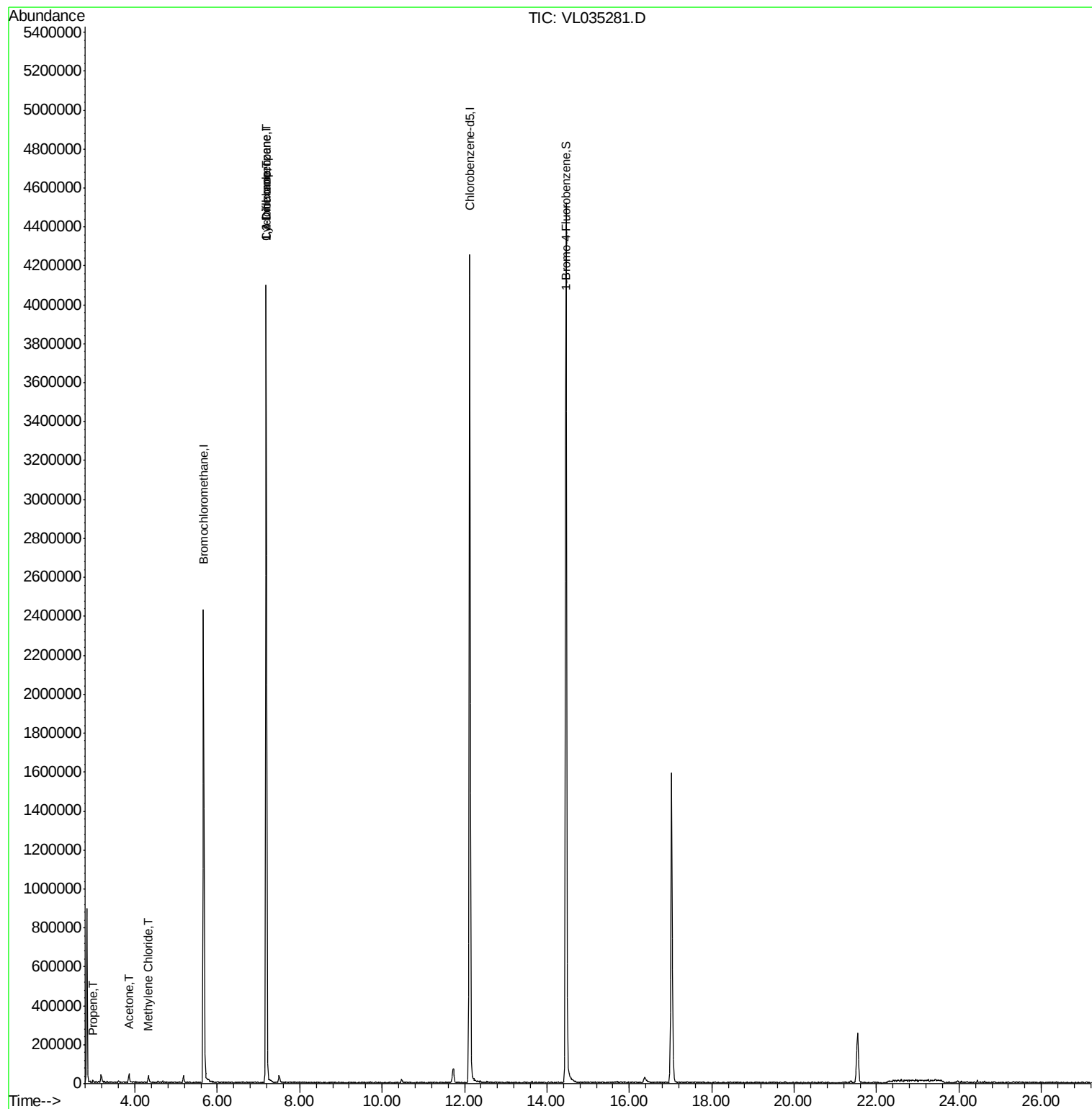
Target Compounds					Ovalue	
9) Propene	2.98	41	1952	0.047	ppbv #	9
15) Acetone	3.85	43	35033	0.246	ppbv #	54
20) Methylene Chloride	4.33	84	6503	0.100	ppbv #	91
30) Cyclohexane	7.19	84	4120	0.058	ppbv #	10
39) 1,2-Dichloropropane	7.19	63	710915	9.744	ppbv #	24

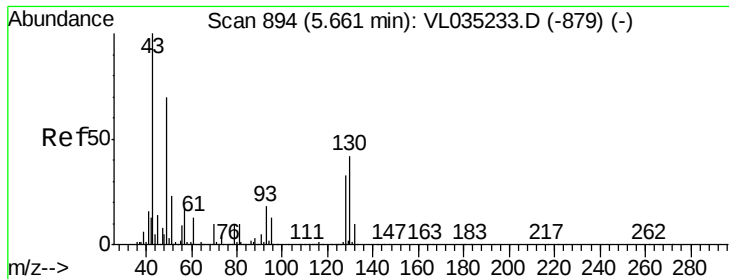
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL035281.D

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Instrument :

MSVOA_L

ClientSampleId :

QC CAN 10269

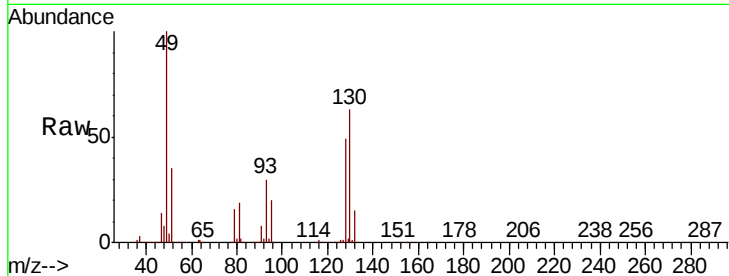
Tot Ion: 49 Resp: 1065702

Ion Ratio Lower Upper

49 100

128 50.8 24.0 72.0

130 64.3 30.7 92.1



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

5.66

600000

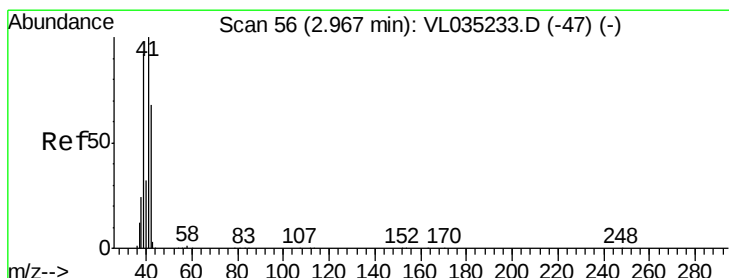
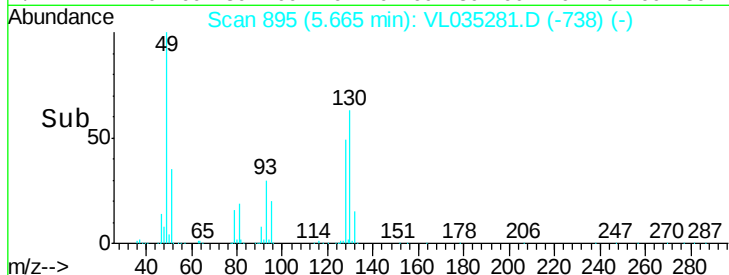
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#9

Propene

Concen: 0.047 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.01 min

Lab File: VL035281.D

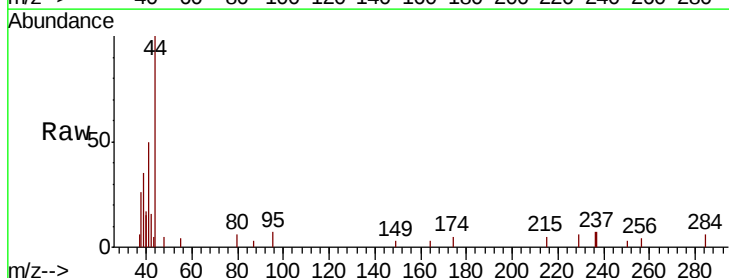
Acq: 30 Jul 2020 15:58

Tgt Ion: 41 Resp: 1952

Ion Ratio Lower Upper

41 100

42 143.1 55.0 82.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3000

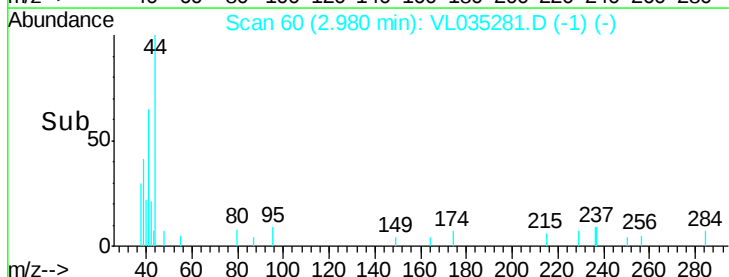
2000

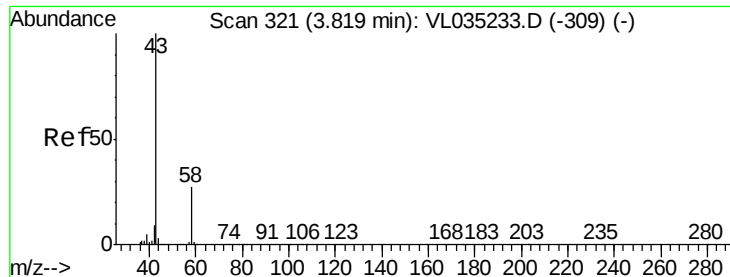
1000

0

2.96 2.97 2.98 2.99

Time-->





#15

Acetone

Concen: 0.246 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.04 min

Lab File: VL035281.D

Acq: 30 Jul 2020 15:58

Instrument :

MSVOA_L

ClientSampleId :

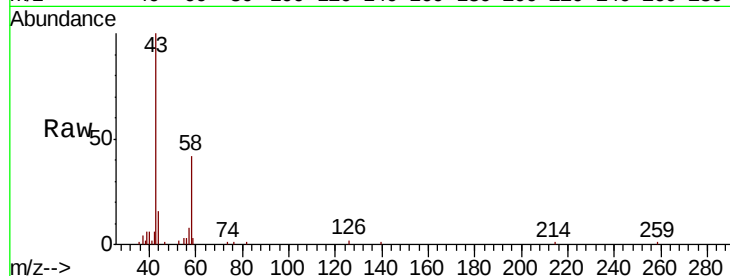
QC CAN 10269

Tot Ion: 43 Resp: 35033

Ion Ratio Lower Upper

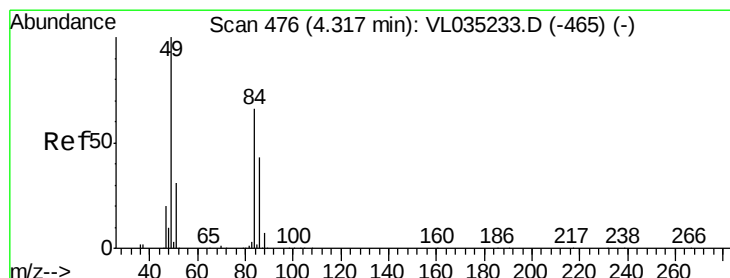
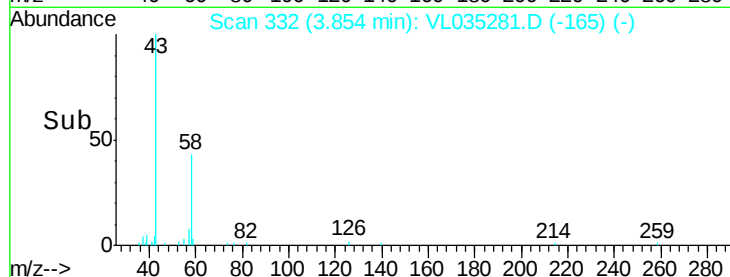
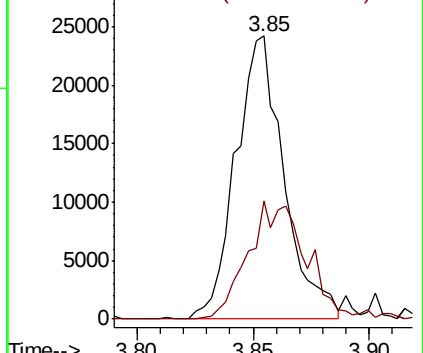
43 100

58 51.3 21.8 32.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.100 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.01 min

Lab File: VL035281.D

Acq: 30 Jul 2020 15:58

Tgt Ion: 84 Resp: 6503

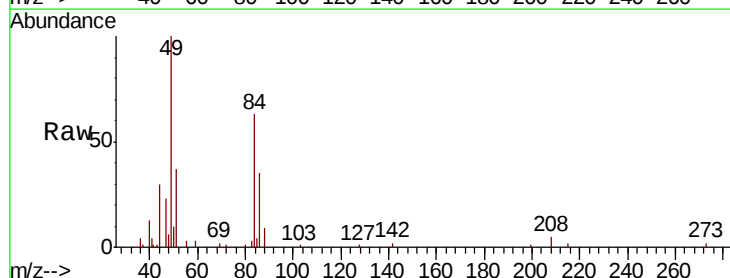
Ion Ratio Lower Upper

84 100

49 153.3 121.0 181.4

51 59.6 37.7 56.5#

86 50.1 52.2 78.4#

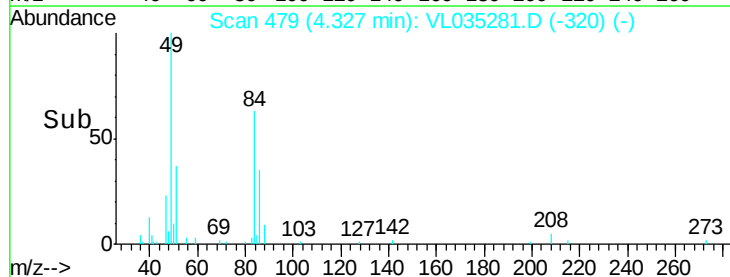
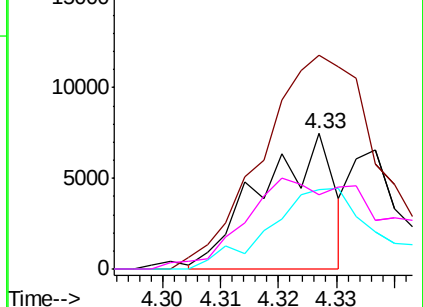


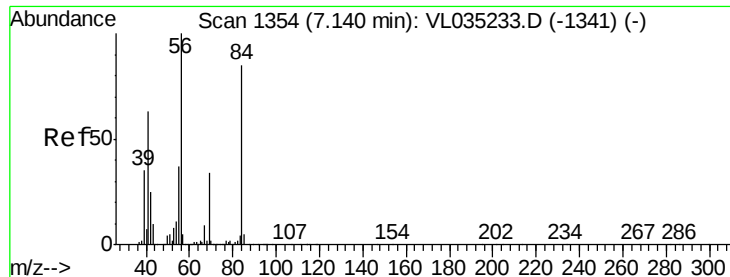
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

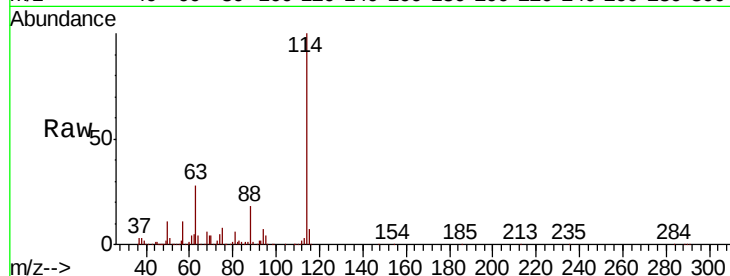




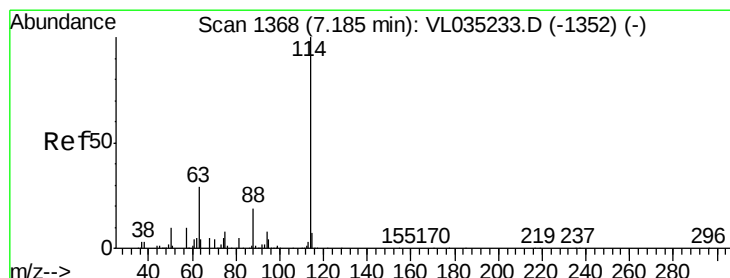
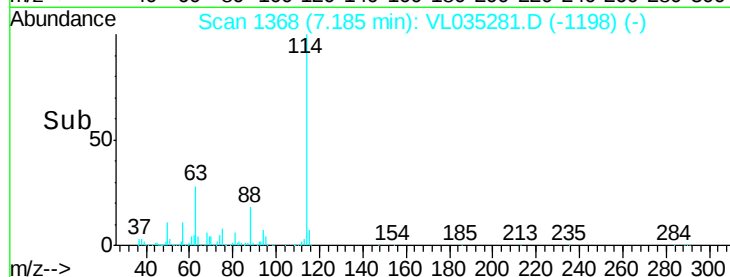
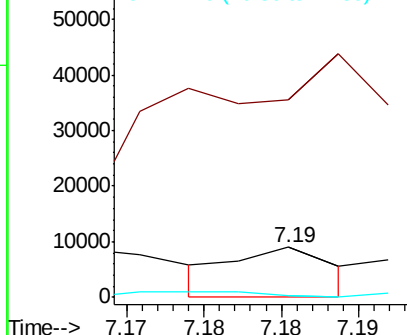
#30
Cvclohexane
Concen: 0.058 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.05 min
Lab File: VL035281.D
Acq: 30 Jul 2020 15:58

Instrument :
MSVOA_L
ClientSampleId :
QC CAN 10269

Tot Ion: 84 Resp: 4120
Ion Ratio Lower Upper
84 100
56 0.0 104.2 156.2#
41 31.3 63.7 95.5#

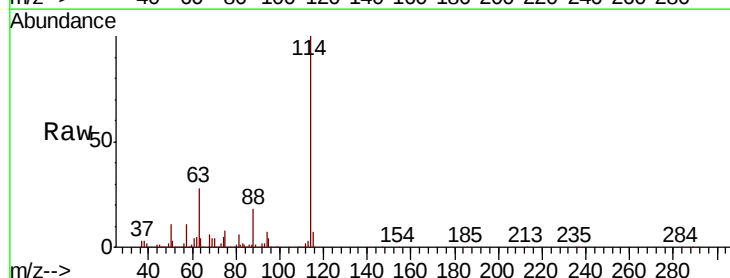


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

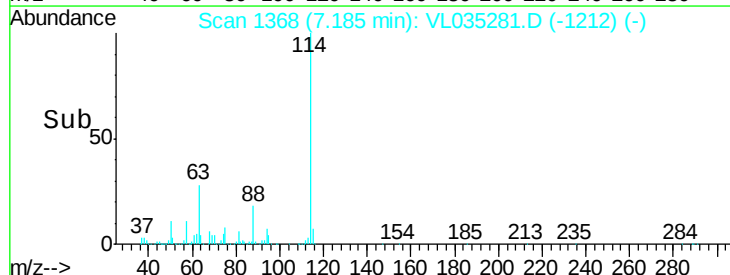
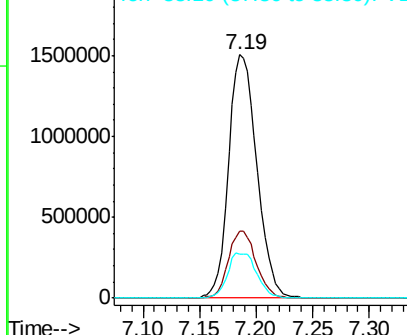


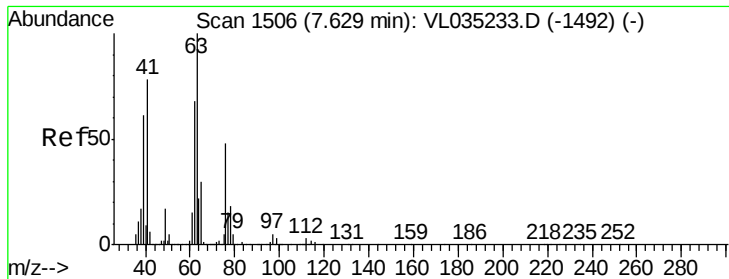
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VL035281.D
Acq: 30 Jul 2020 15:58

Tgt Ion:114 Resp: 2631138
Ion Ratio Lower Upper
114 100
63 27.2 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: 9.744 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. -0.44 min

Lab File: VL035281.D

Acq: 30 Jul 2020 15:58

Instrument :

MSVOA_L

ClientSampleId :

QC CAN 10269

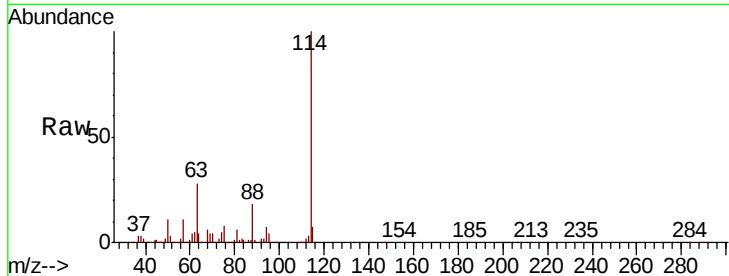
Tot Ion: 63 Resp: 710915

Ion Ratio Lower Upper

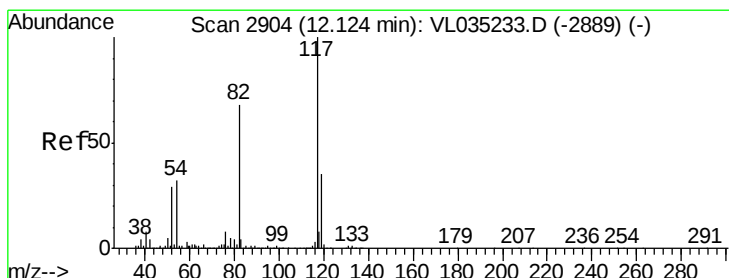
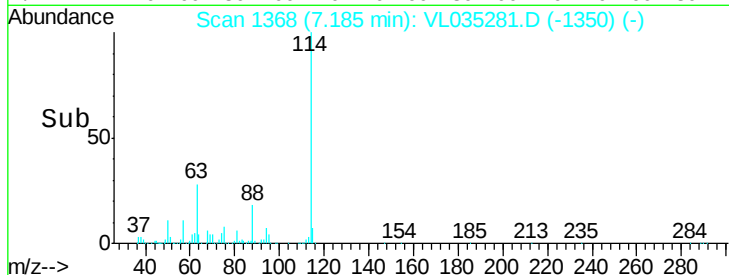
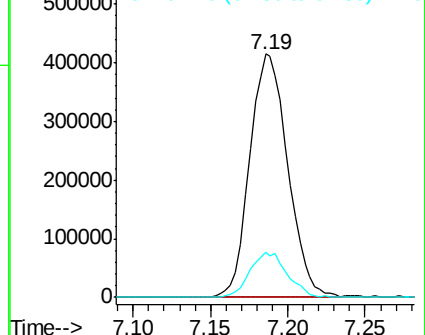
63 100

41 0.1 62.2 93.4#

62 18.8 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: VL035281.D

Acq: 30 Jul 2020 15:58

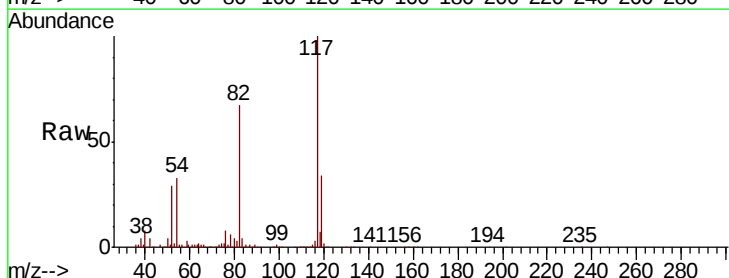
Tgt Ion: 117 Resp: 2417819

Ion Ratio Lower Upper

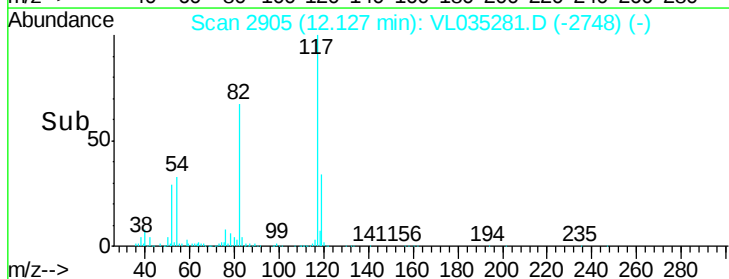
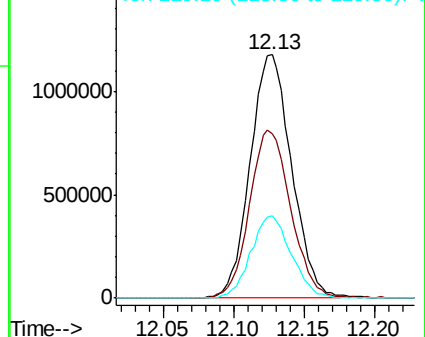
117 100

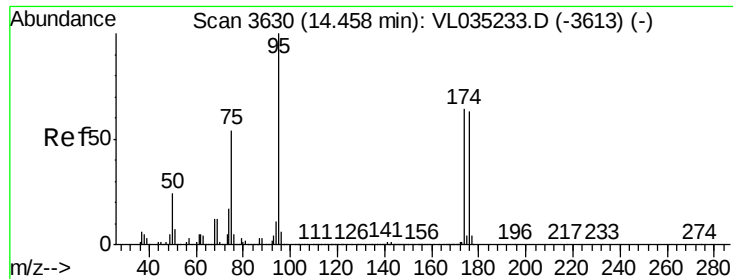
82 69.3 52.4 78.6

119 33.1 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: 10.310 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VL035281.D

Acq: 30 Jul 2020 15:58

Instrument :

MSVOA_L

ClientSampleId :

QC CAN 10269

Tot Ion: 95 Resp: 1991907

Ion Ratio Lower Upper

95 100

174 64.5 52.7 79.1

175 4.6 3.9 5.9

