

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062220\
 Data File : VL035117.D
 Acq On : 22 Jun 2020 19:16
 Operator : SY/AP
 Sample : QC061720 CAN 10295
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC061720 CAN 10295

Quant Time: Jun 23 01:27:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1155088	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2735219	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2525755	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2207035	10.52	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.20%

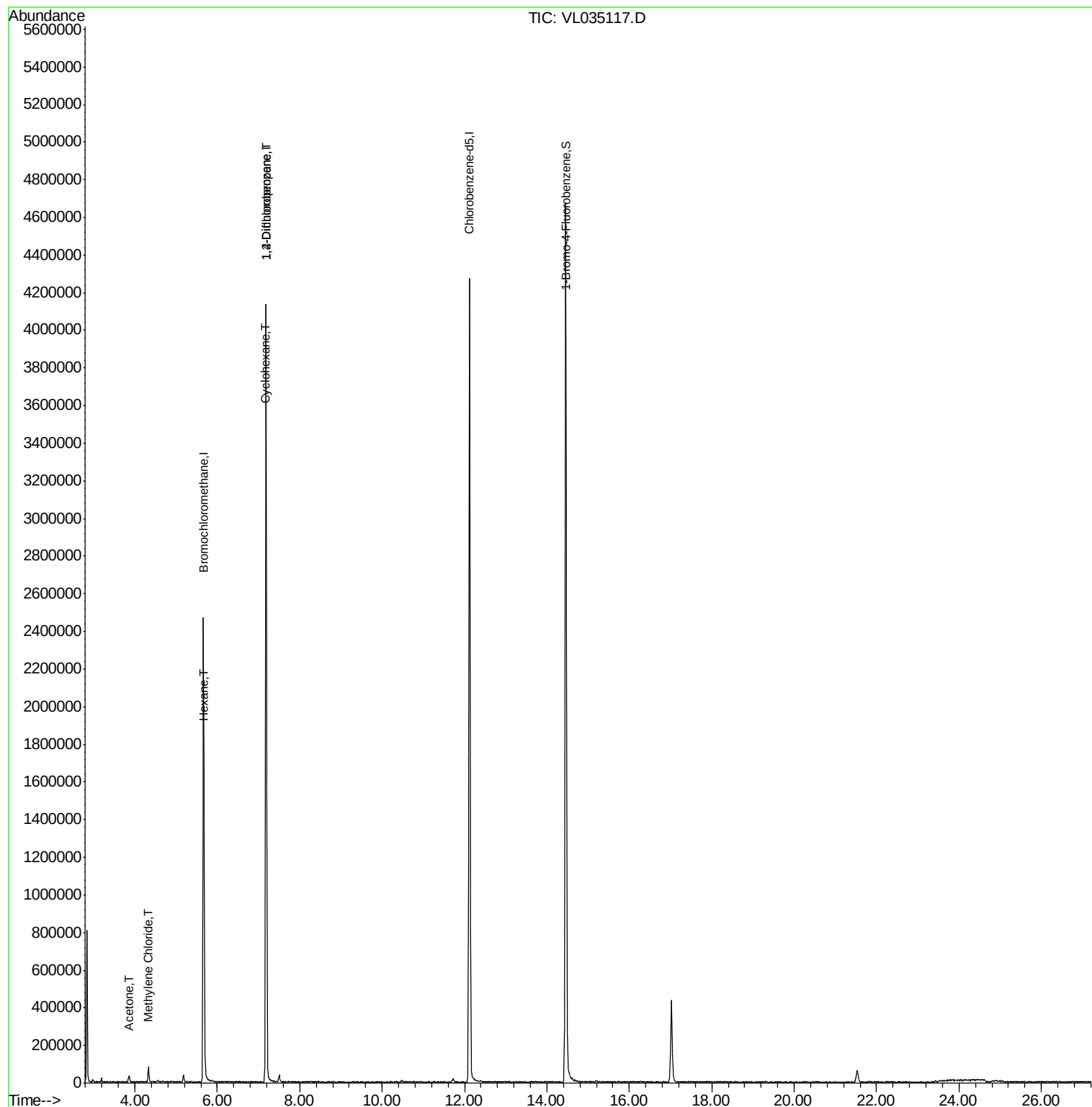
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.84	43	11565	0.083	ppbv #	48
20) Methylene Chloride	4.33	84	28234	0.500	ppbv	90
26) Hexane	5.68	57	23214	0.204	ppbv #	40
30) Cyclohexane	7.17	84	3940	0.048	ppbv #	1
39) 1,2-Dichloropropane	7.19	63	757849	9.149	ppbv #	25

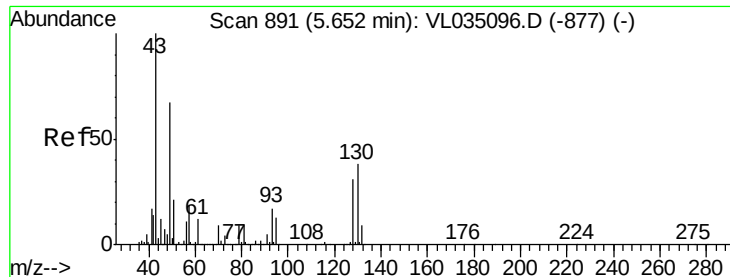
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
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QLast Update : Sat Jun 20 02:10:36 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

Lab File: VL035117.D

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Instrument :

MSVOA_L

ClientSampleId :

QC061720 CAN 10295

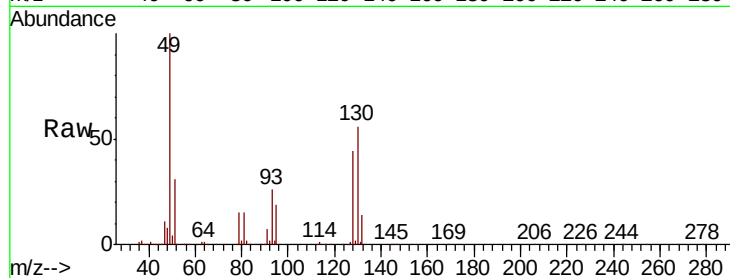
Tot Ion: 49 Resp: 1155088

Ion Ratio Lower Upper

49 100

128 48.2 22.9 68.5

130 61.3 29.0 87.0



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

800000

600000

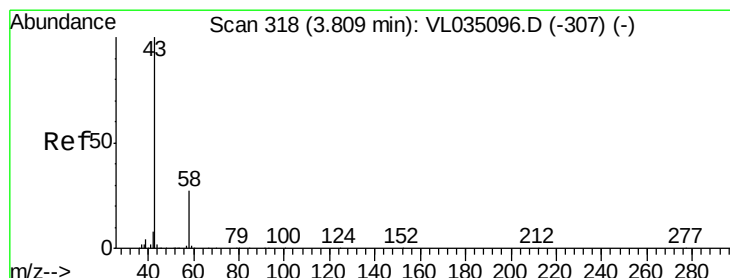
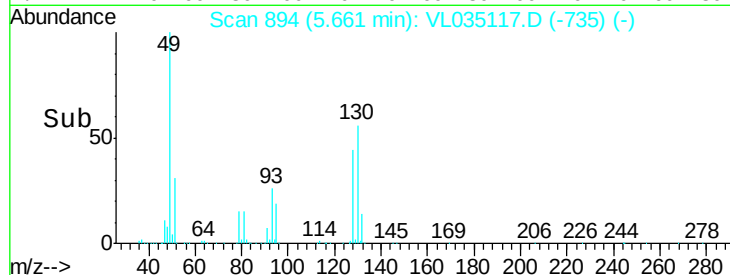
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#15

Acetone

Concen: 0.083 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.04 min

Lab File: VL035117.D

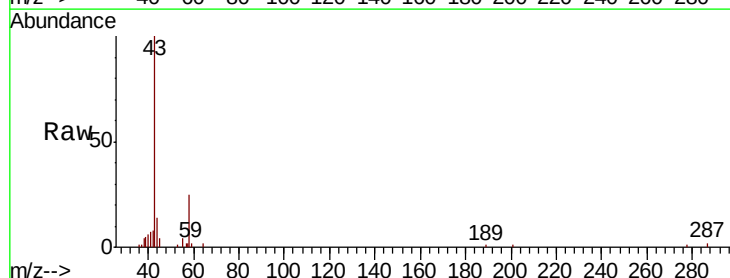
Acq: 22 Jun 2020 19:16

Tgt Ion: 43 Resp: 11565

Ion Ratio Lower Upper

43 100

58 0.0 21.8 32.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

20000

15000

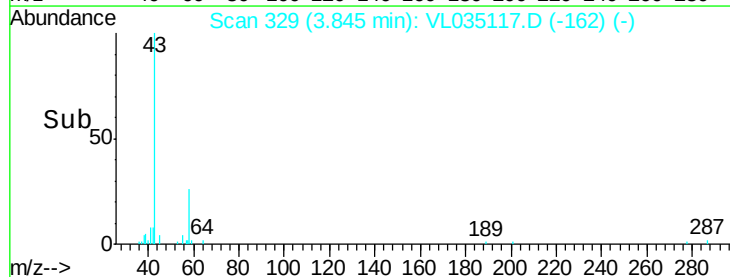
10000

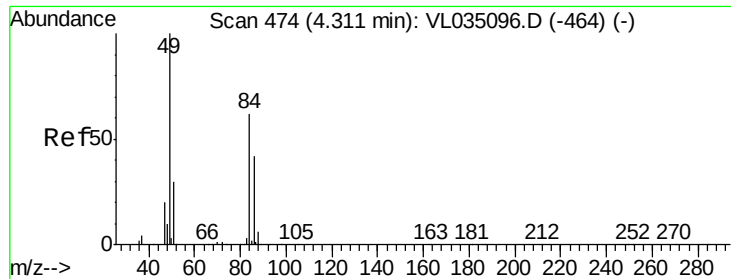
5000

0

3.82 3.83 3.84 3.85

Time-->

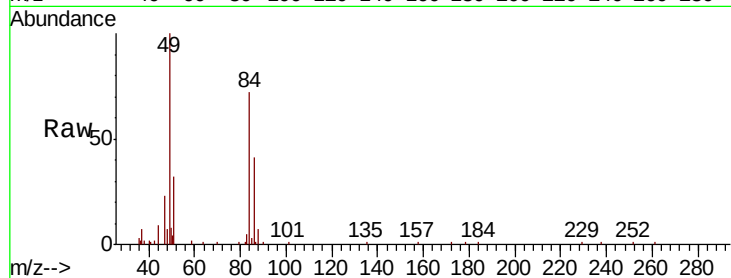




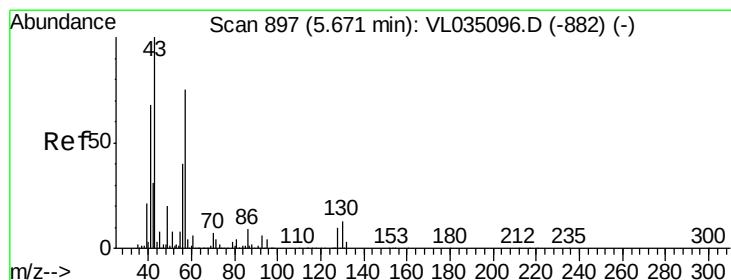
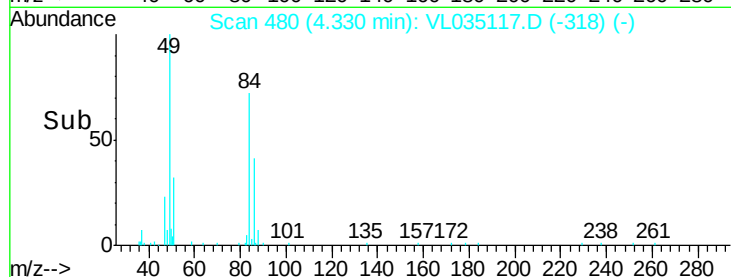
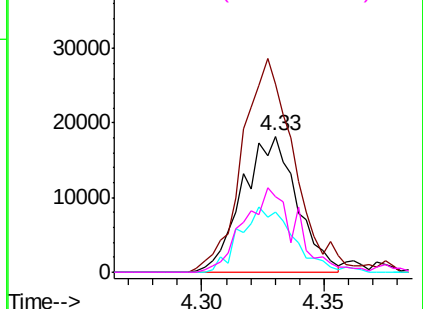
#20
Methylene Chloride
Concen: 0.500 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.02 min
Lab File: VL035117.D
Acq: 22 Jun 2020 19:16

Instrument :
MSVOA_L
ClientSampleId :
QC061720 CAN 10295

Tot Ion: 84 Resp: 28234
Ion Ratio Lower Upper
84 100
49 149.1 128.8 193.2
51 44.4 38.7 58.1
86 56.0 54.1 81.1

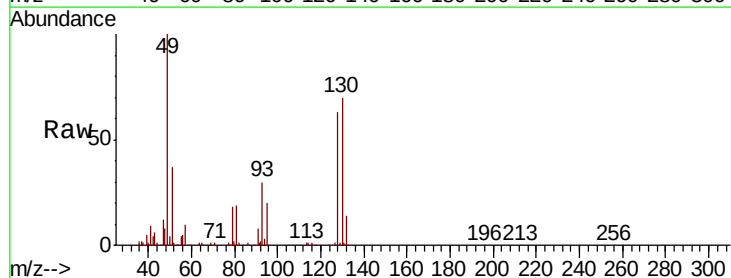


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

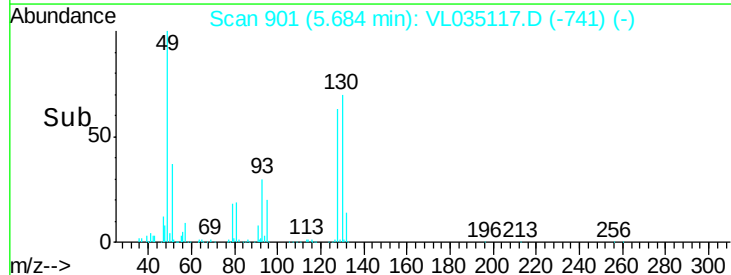
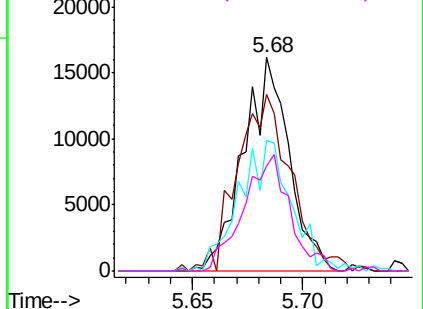


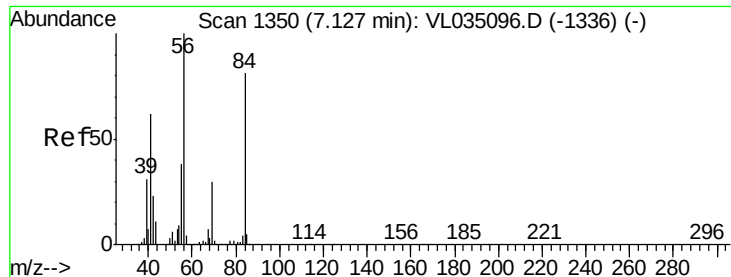
#26
Hexane
Concen: 0.204 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL035117.D
Acq: 22 Jun 2020 19:16

Tgt Ion: 57 Resp: 23214
Ion Ratio Lower Upper
57 100
41 97.6 72.9 109.3
43 71.3 181.3 271.9#
56 56.1 43.1 64.7



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

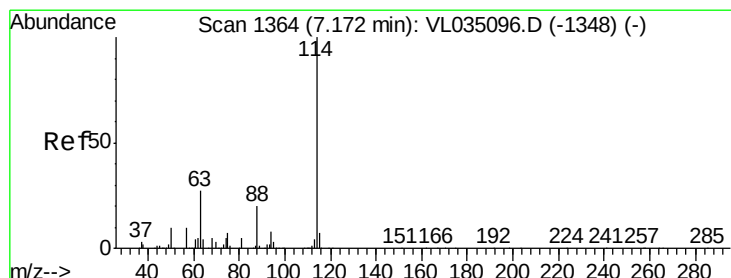
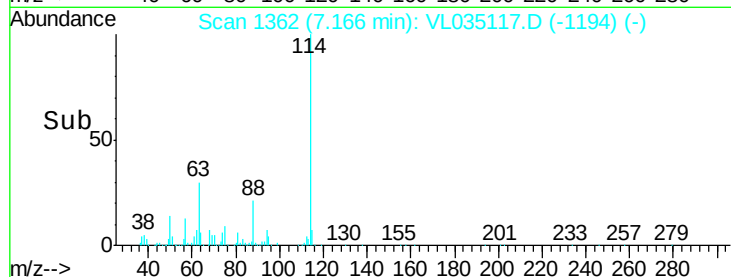
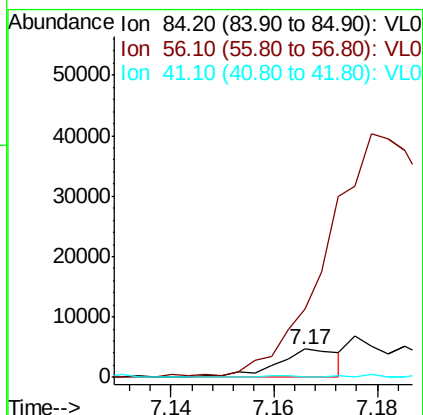
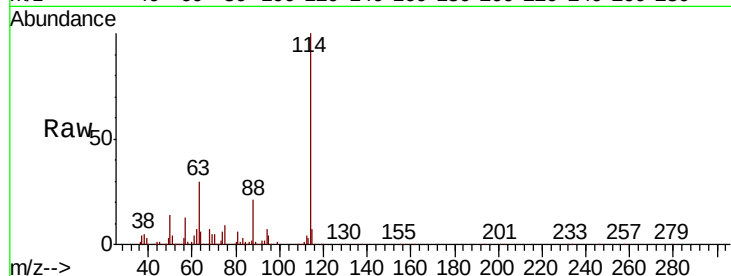




#30
Cyclohexane
Concen: 0.048 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.04 min
Lab File: VL035117.D
Acq: 22 Jun 2020 19:16

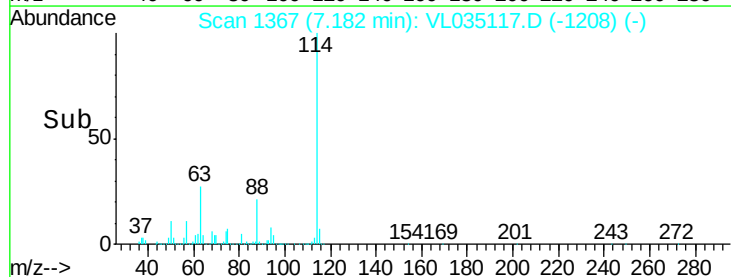
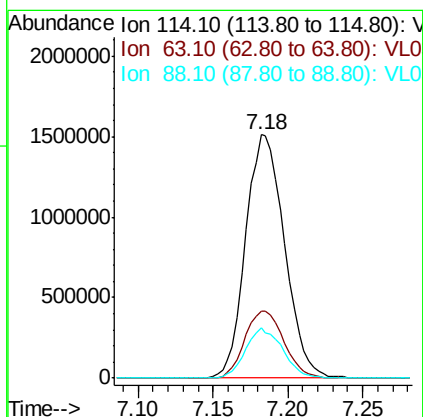
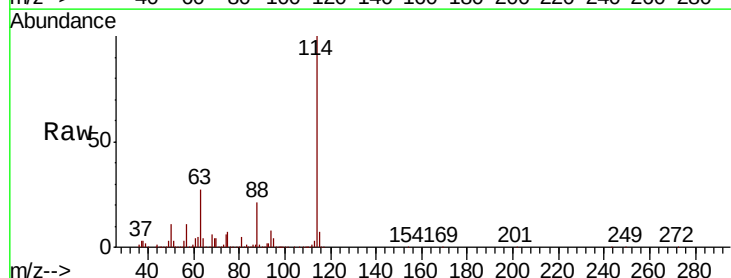
Instrument :
MSVOA_L
ClientSampleId :
QC061720 CAN 10295

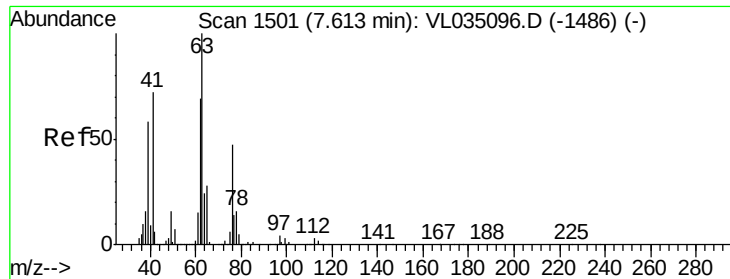
Tot Ion: 84 Resp: 3940
Ion Ratio Lower Upper
84 100
56 0.0 108.0 162.0#
41 0.0 65.6 98.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.01 min
Lab File: VL035117.D
Acq: 22 Jun 2020 19:16

Tgt Ion: 114 Resp: 2735219
Ion Ratio Lower Upper
114 100
63 27.9 21.9 32.9
88 19.6 15.6 23.4





#39

1,2-Dichloropropane

Concen: 9.149 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. -0.43 min

Lab File: VL035117.D

Acq: 22 Jun 2020 19:16

Instrument :

MSVOA_L

ClientSampleId :

QC061720 CAN 10295

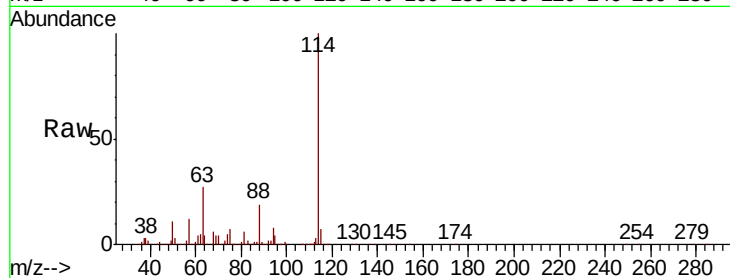
Tot Ion: 63 Resp: 757849

Ion Ratio Lower Upper

63 100

41 0.0 58.0 87.0#

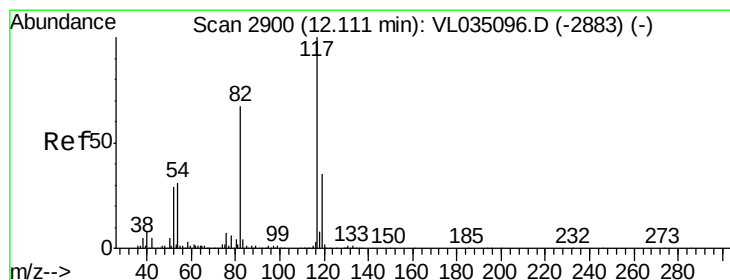
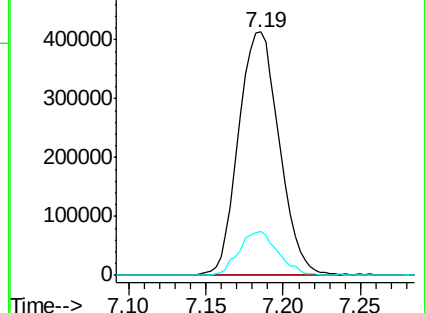
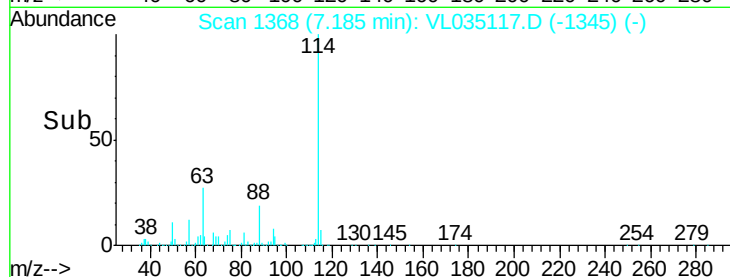
62 18.0 55.4 83.0#



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: 12.12 min Scan# 2903

Delta R.T. 0.01 min

Lab File: VL035117.D

Acq: 22 Jun 2020 19:16

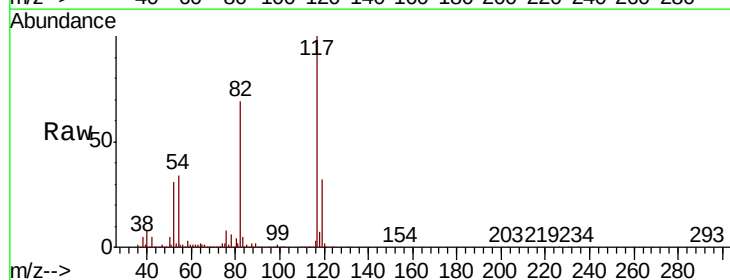
Tgt Ion: 117 Resp: 2525755

Ion Ratio Lower Upper

117 100

82 70.4 50.4 75.6

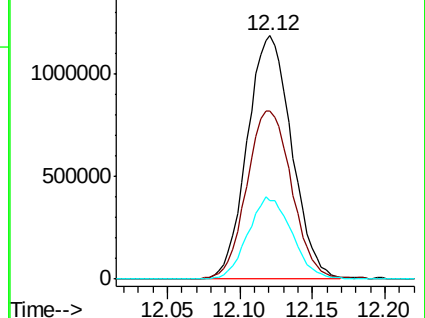
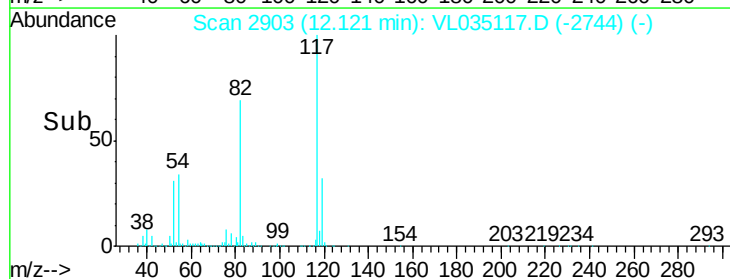
119 33.3 25.4 38.0

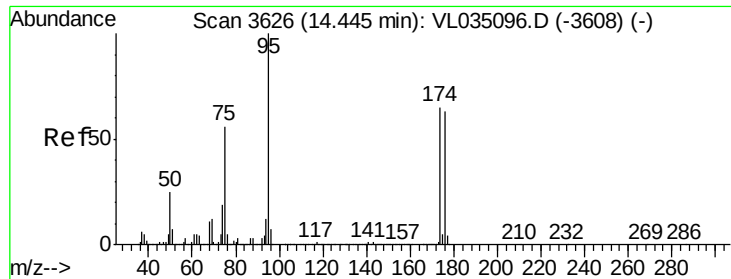


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.519 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. 0.01 min

Lab File: VL035117.D

Acq: 22 Jun 2020 19:16

Instrument :

MSVOA_L

ClientSampleId :

QC061720 CAN 10295

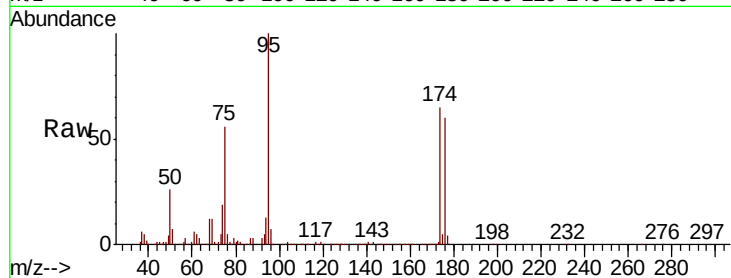
Tot Ion: 95 Resp: 2207035

Ion Ratio Lower Upper

95 100

174 64.9 52.2 78.2

175 4.7 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

