

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035438.D
 Acq On : 18 Aug 2020 10:03
 Operator : SY/AP
 Sample : OC081720 CAN 10315
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC081720 CAN 10315

Quant Time: Aug 19 01:24:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1111983	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4980443	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5022475	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3591762	10.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

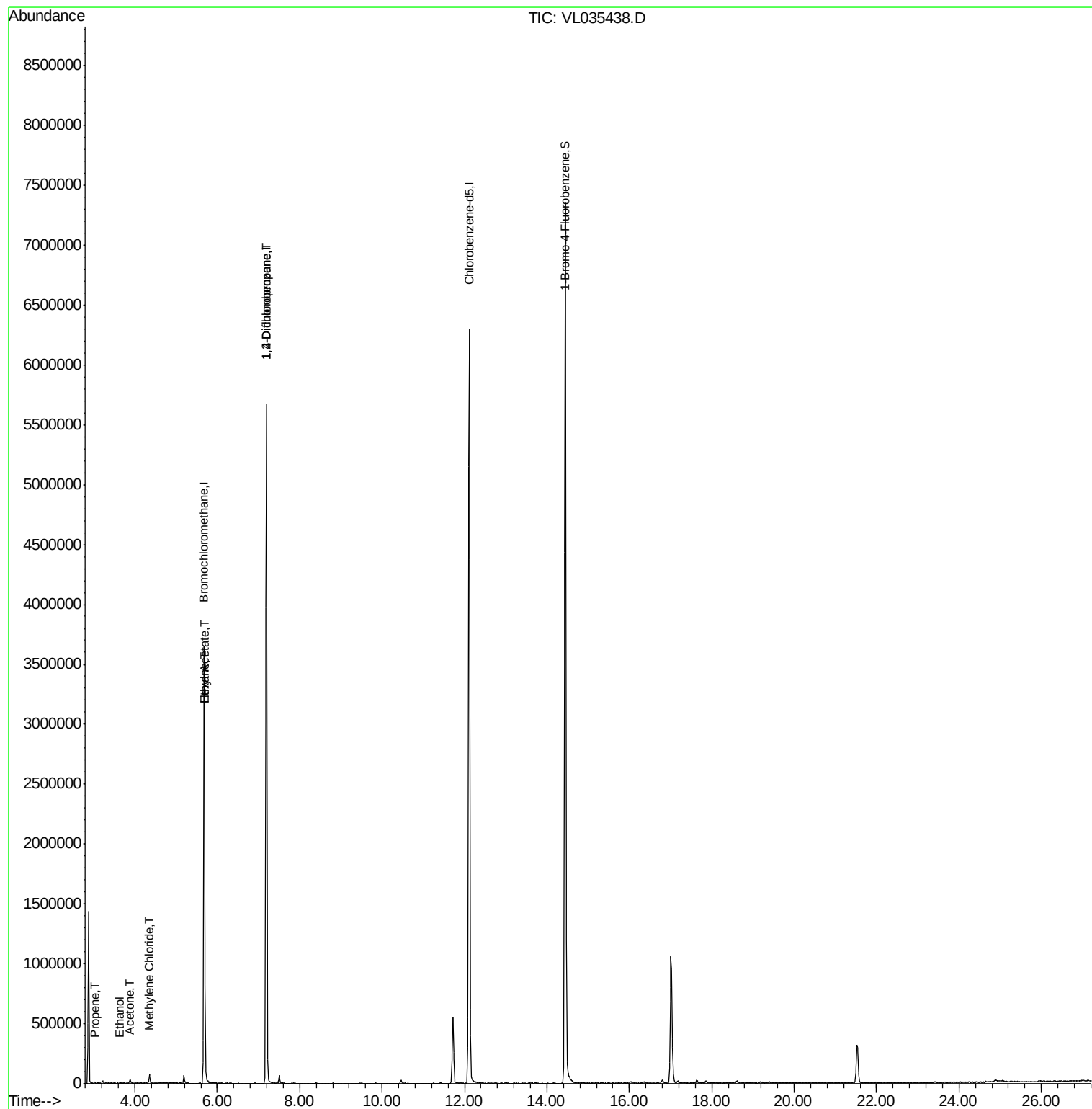
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	3612	0.064	ppbv	89
13) Ethanol	3.63	45	3676	0.179	ppbv #	9
15) Acetone	3.88	43	26351	0.206	ppbv #	1
20) Methylene Chloride	4.35	84	32894	0.319	ppbv #	65
25) Ethyl Acetate	5.70	43	8123	0.033	ppbv #	77
26) Hexane	5.70	57	13577	0.097	ppbv #	34
39) 1,2-Dichloropropane	7.19	63	866827	7.195	ppbv #	23

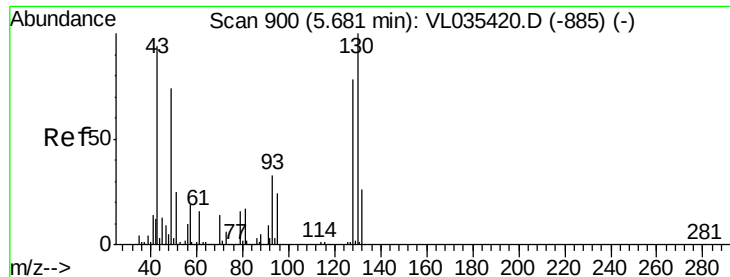
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

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QC081720 CAN 10315

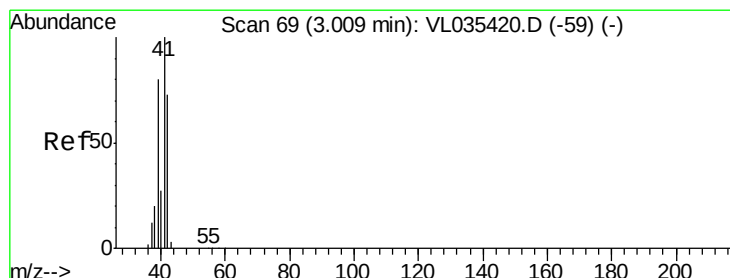
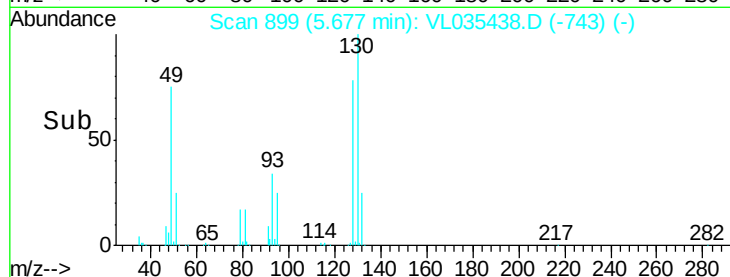
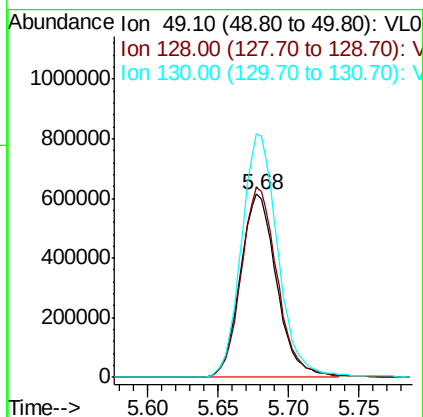
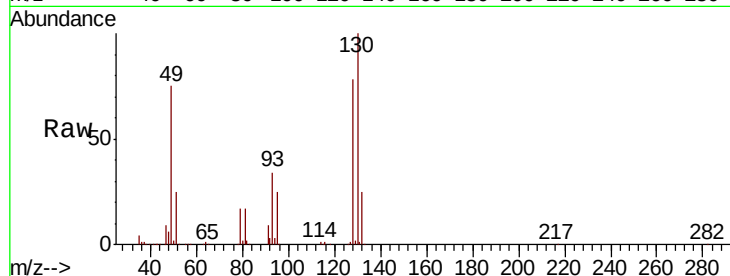
Tot Ion: 49 Resp: 1111983

Ion Ratio Lower Upper

49 100

128 104.0 20.9 62.7#

130 134.0 26.7 80.1#



#9

Propene

Concen: 0.064 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL035438.D

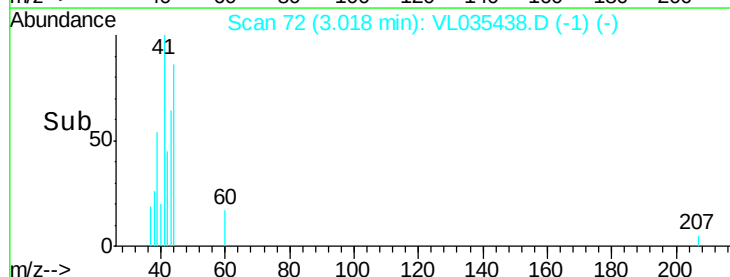
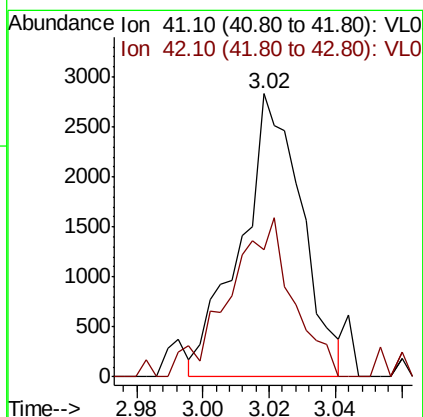
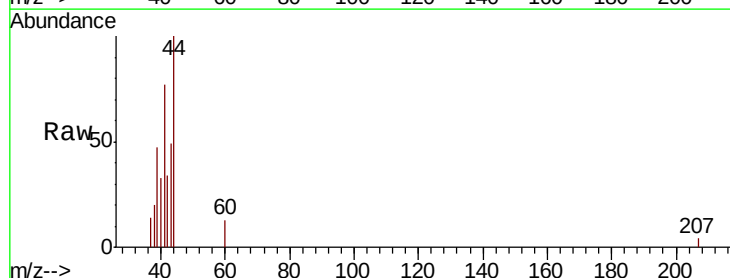
Acq: 18 Aug 2020 10:03

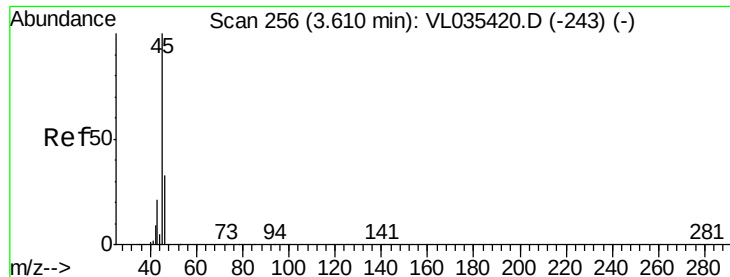
Tgt Ion: 41 Resp: 3612

Ion Ratio Lower Upper

41 100

42 60.0 55.5 83.3





#13

Ethanol

Concen: 0.179 ppbv

RT: 3.63 min Scan# 263

Delta R.T. 0.03 min

Lab File: VL035438.D

Acq: 18 Aug 2020 10:03

Instrument :

MSVOA_L

ClientSampleId :

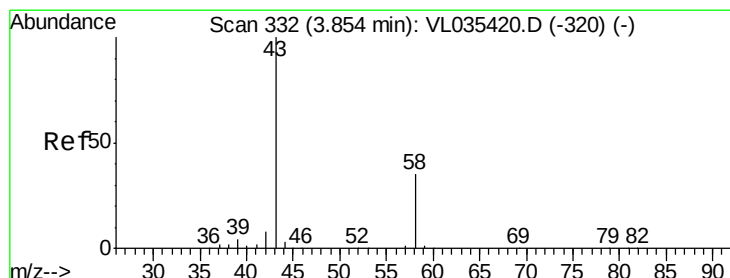
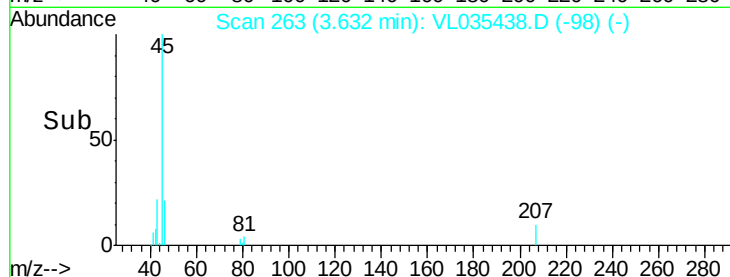
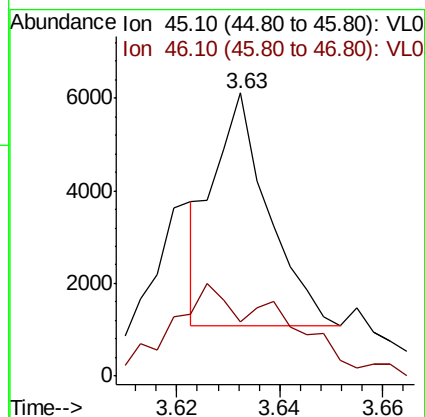
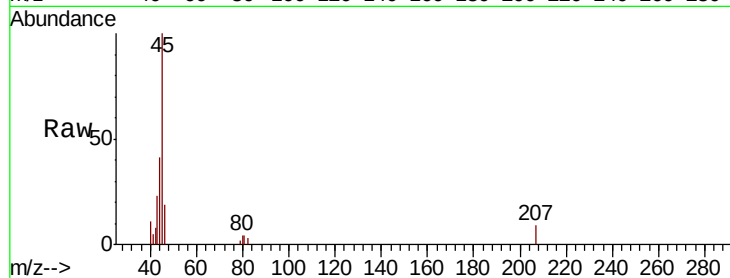
QC081720 CAN 10315

Tot Ion: 45 Resp: 3676

Ion Ratio Lower Upper

45 100

46 88.2 14.2 56.6#



#15

Acetone

Concen: 0.206 ppbv

RT: 3.88 min Scan# 339

Delta R.T. 0.03 min

Lab File: VL035438.D

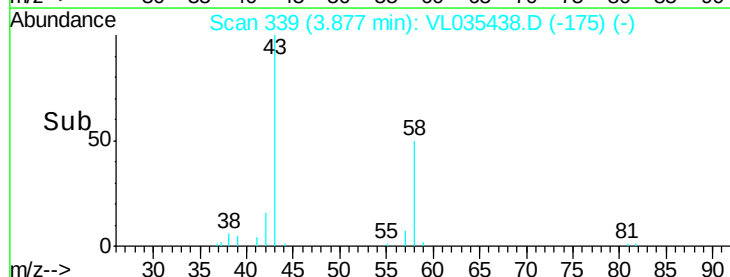
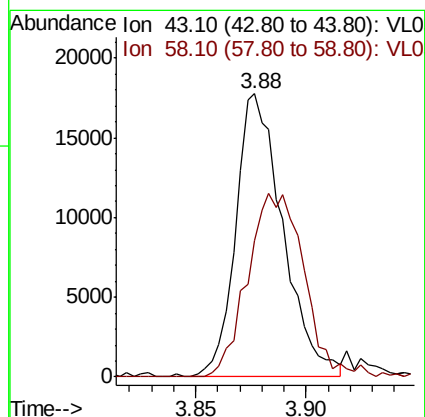
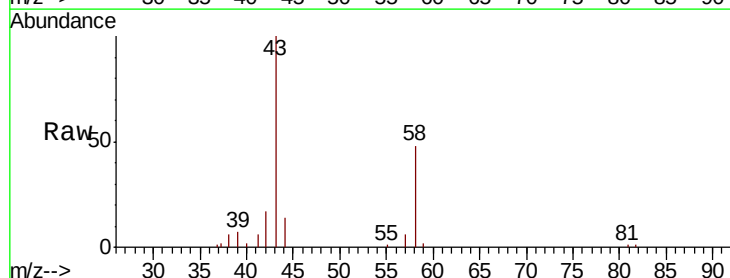
Acq: 18 Aug 2020 10:03

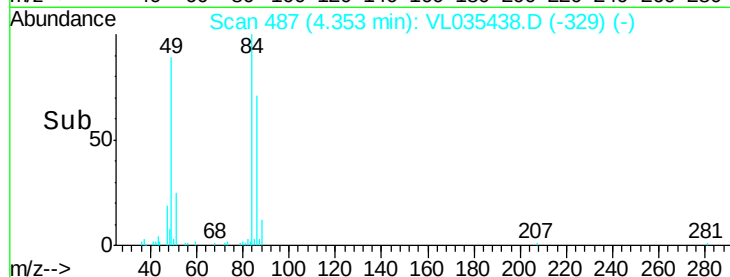
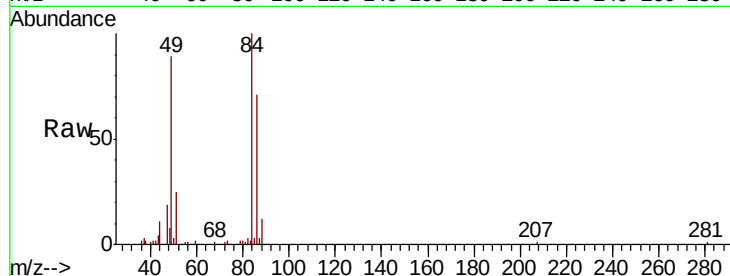
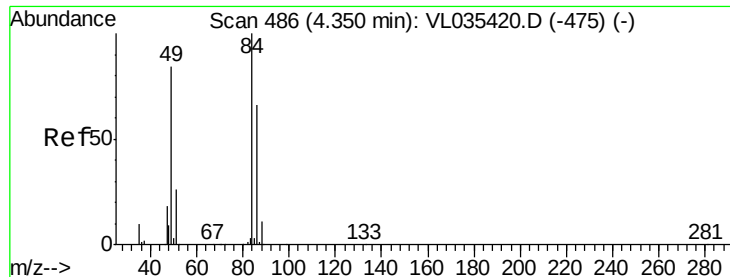
Tgt Ion: 43 Resp: 26351

Ion Ratio Lower Upper

43 100

58 78.8 21.0 31.6#

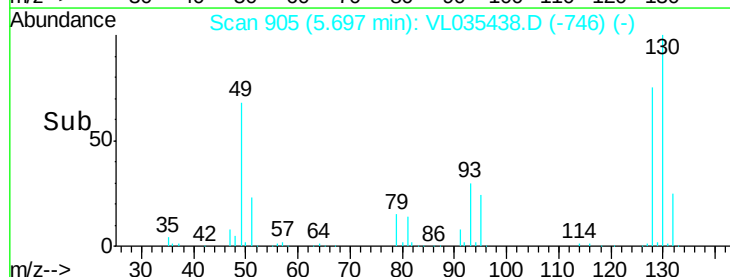
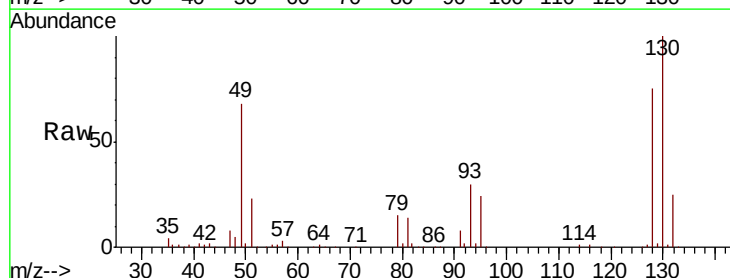
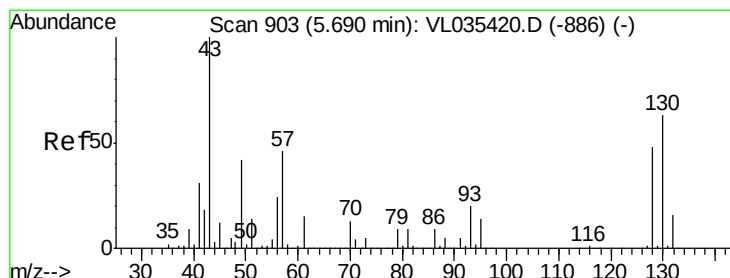
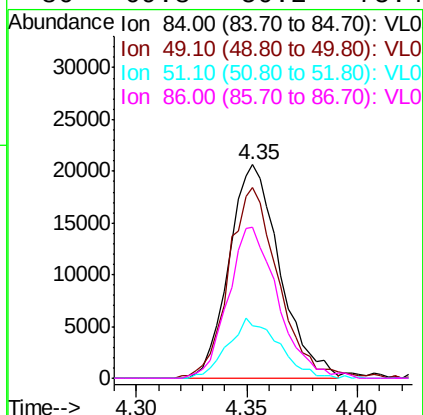




#20
Methylene Chloride
Concen: 0.319 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL035438.D
Acq: 18 Aug 2020 10:03

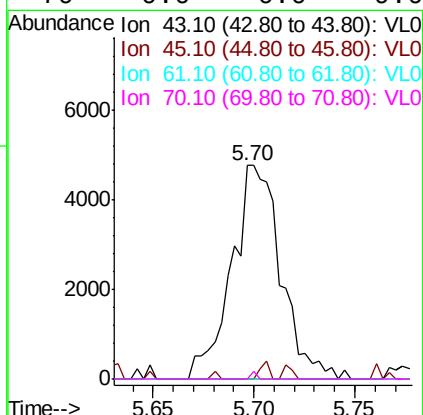
Instrument :
MSVOA_L
ClientSampleId :
QC081720 CAN 10315

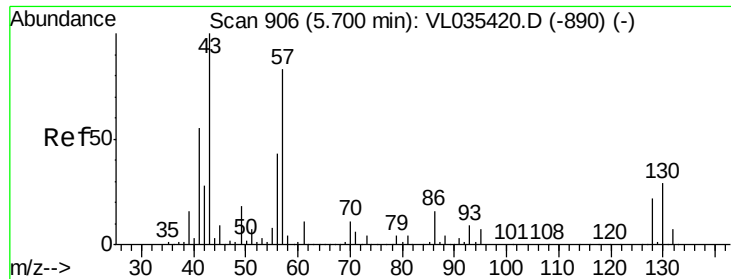
Tot Ion: 84 Resp: 32894
Ion Ratio Lower Upper
84 100
49 87.9 118.6 177.8#
51 24.8 36.4 54.6#
86 69.8 50.2 75.4



#25
Ethyl Acetate
Concen: 0.033 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL035438.D
Acq: 18 Aug 2020 10:03

Tgt Ion: 43 Resp: 8123
Ion Ratio Lower Upper
43 100
45 2.7 8.3 12.5#
61 0.0 7.6 11.4#
70 0.0 6.0 9.0#





#26

Hexane

Concen: 0.097 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.00 min

Lab File: VL035438.D

Acq: 18 Aug 2020 10:03

Instrument :

MSVOA_L

ClientSampleId :

QC081720 CAN 10315

Tot Ion: 57 Resp: 13577

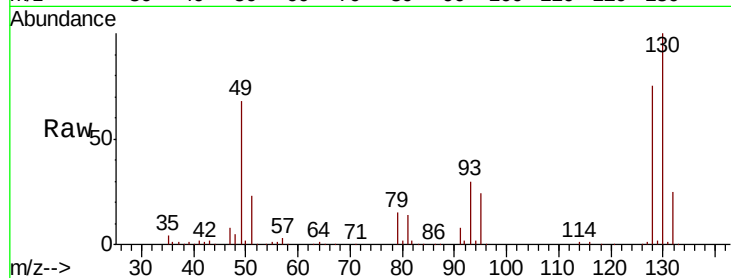
Ion Ratio Lower Upper

57 100

41 77.0 75.5 113.3

43 60.1 181.7 272.5#

56 53.0 42.4 63.6

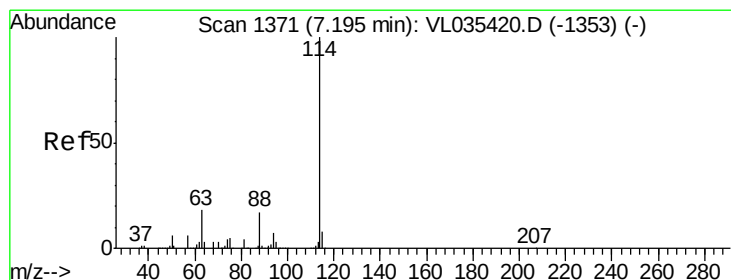
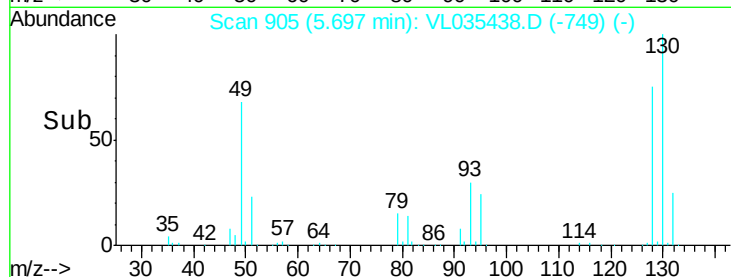
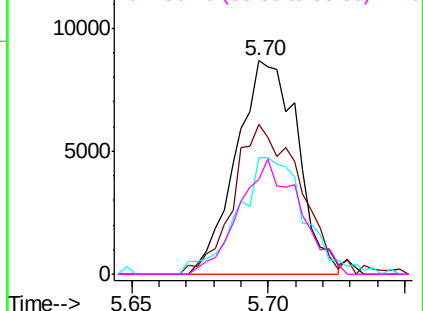


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VL035438.D

Acq: 18 Aug 2020 10:03

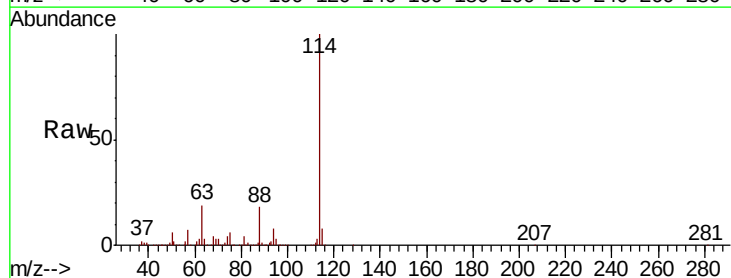
Tgt Ion:114 Resp: 4980443

Ion Ratio Lower Upper

114 100

63 17.5 23.1 34.7#

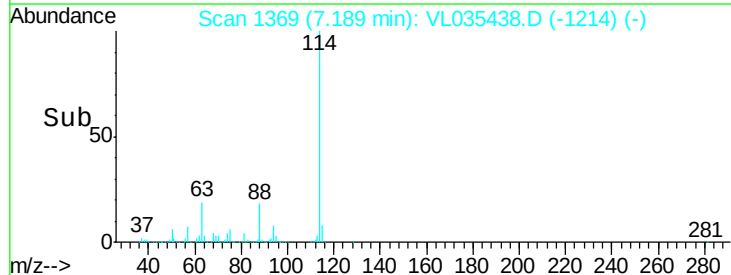
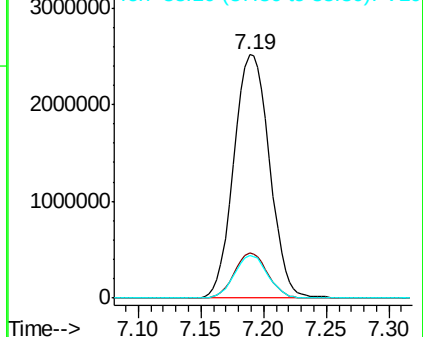
88 16.5 15.9 23.9

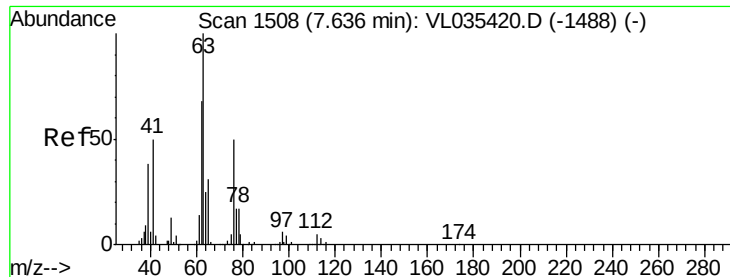


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 7.195 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.44 min

Lab File: VL035438.D

Acq: 18 Aug 2020 10:03

Instrument :

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ClientSampleId :

QC081720 CAN 10315

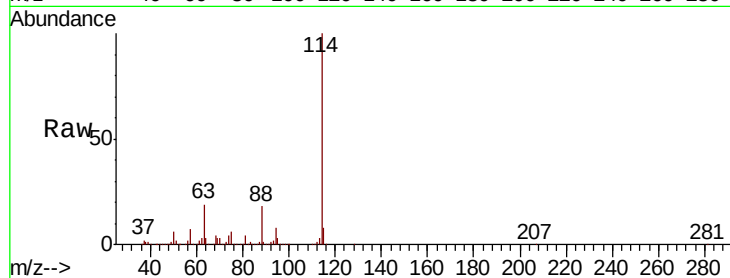
Tot Ion: 63 Resp: 866827

Ion Ratio Lower Upper

63 100

41 0.0 61.1 91.7#

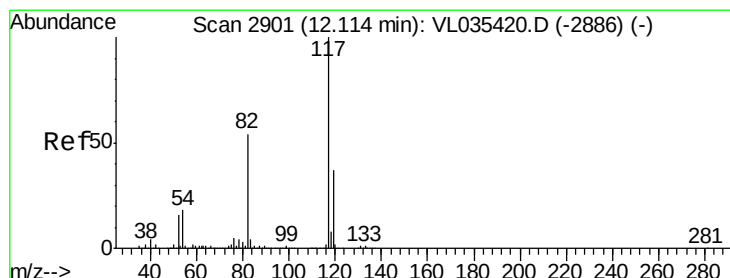
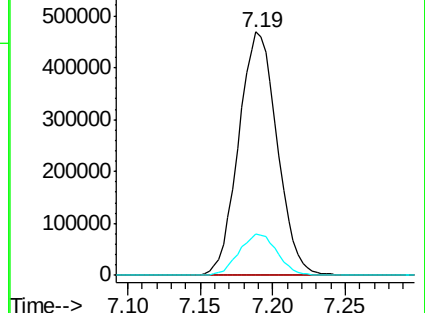
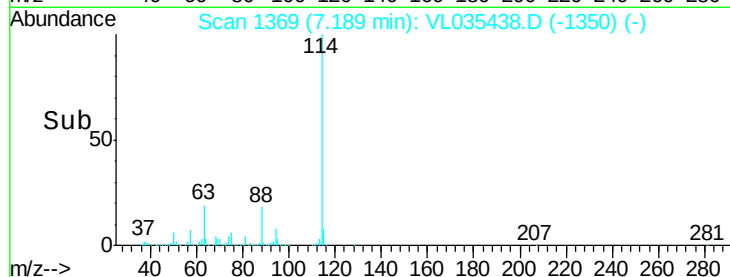
62 16.8 55.3 82.9#



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: 12.11 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VL035438.D

Acq: 18 Aug 2020 10:03

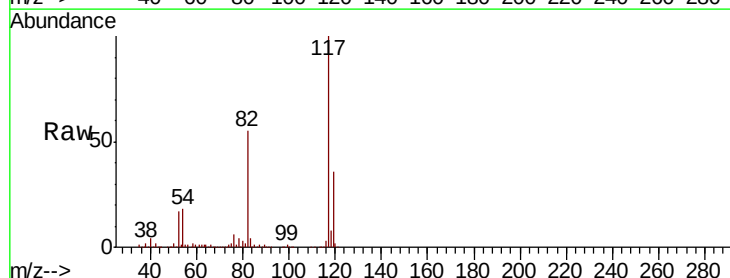
Tgt Ion: 117 Resp: 5022475

Ion Ratio Lower Upper

117 100

82 52.9 57.4 86.0#

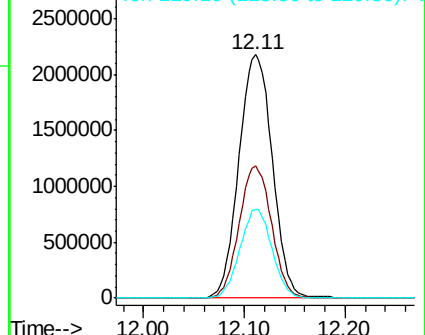
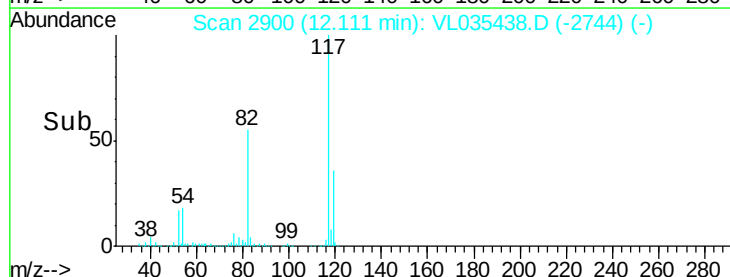
119 35.1 28.4 42.6

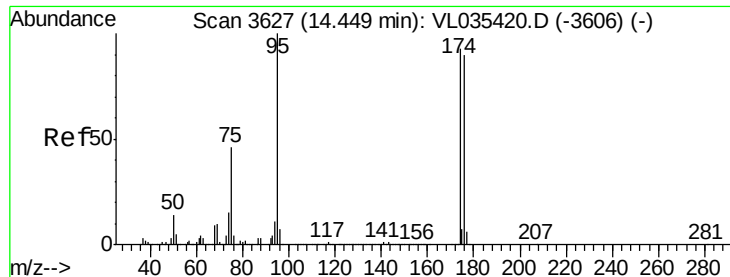


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.215 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. 0.00 min

Lab File: VL035438.D

Acq: 18 Aug 2020 10:03

Instrument :

MSVOA_L

ClientSampleId :

QC081720 CAN 10315

Tot Ion: 95 Resp: 3591762

Ion Ratio Lower Upper

95 100

174 95.7 44.0 66.0#

175 7.0 3.2 4.8#

