

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035720.D
 Acq On : 23 Sep 2020 15:46
 Operator : SY/AP
 Sample : OC092220 CAN 10258
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC092220 CAN 10258

Quant Time: Sep 24 08:27:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1223850	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4569929	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4522225	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3358977	9.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

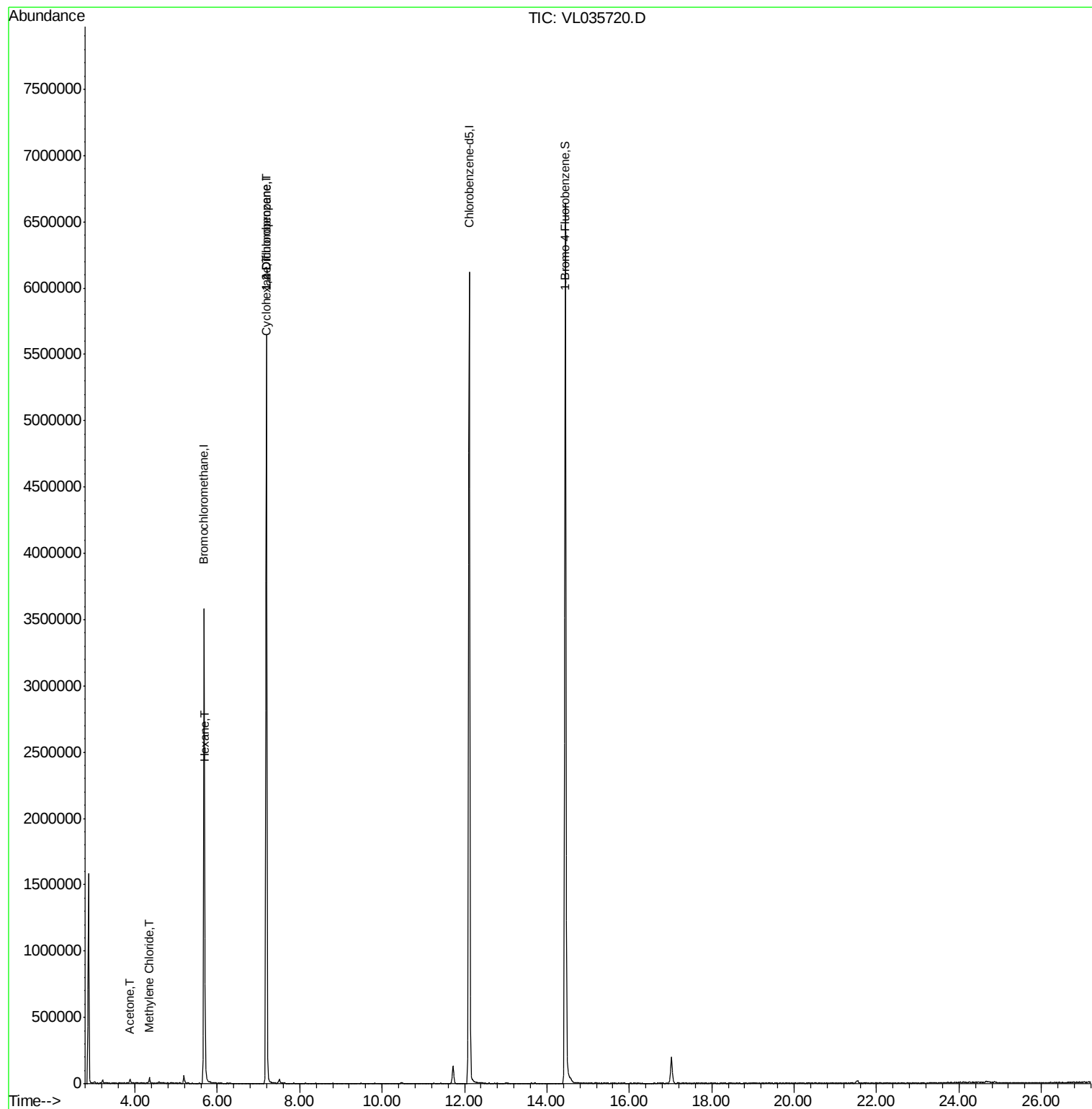
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.87	43	22531	0.171	ppbv #	1
20) Methylene Chloride	4.35	84	16773	0.173	ppbv #	90
26) Hexane	5.70	57	4139	0.032	ppbv #	52
30) Cyclohexane	7.18	84	6879	0.054	ppbv #	7
39) 1,2-Dichloropropane	7.19	63	897691	8.317	ppbv #	30

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

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

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QC092220 CAN 10258

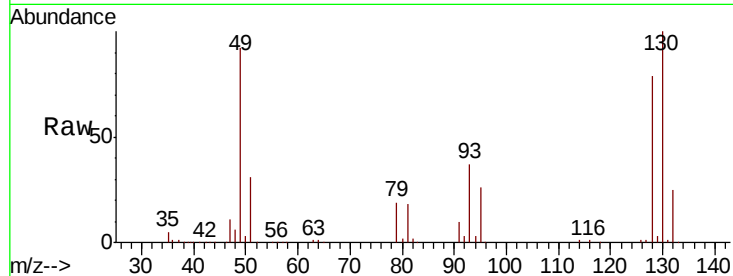
Tot Ion: 49 Resp: 1223850

Ion Ratio Lower Upper

49 100

128 85.7 43.1 129.4

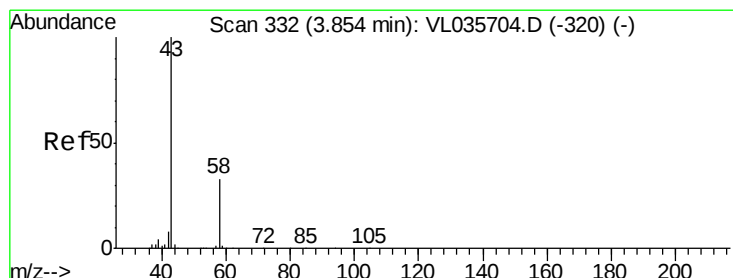
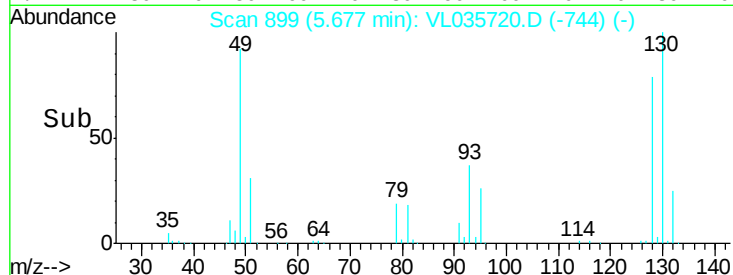
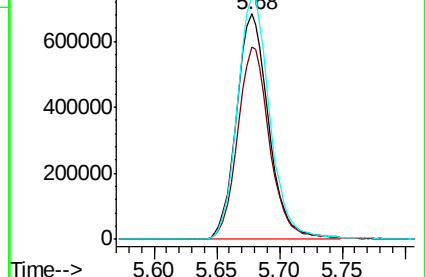
130 109.5 54.9 164.7



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



#15

Acetone

Concen: 0.171 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL035720.D

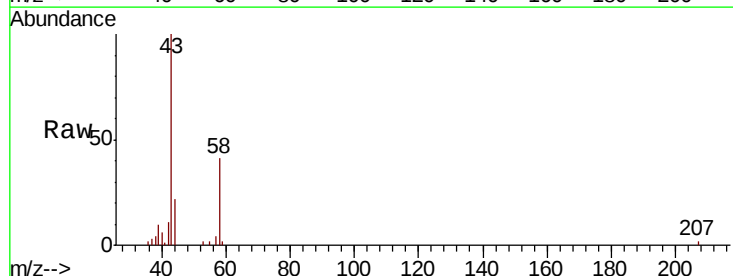
Acq: 23 Sep 2020 15:46

Tgt Ion: 43 Resp: 22531

Ion Ratio Lower Upper

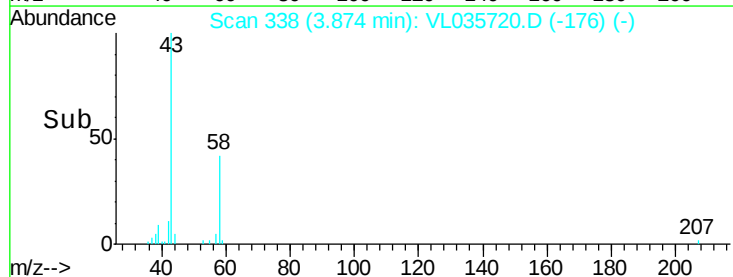
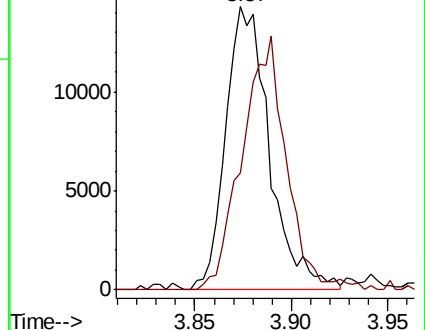
43 100

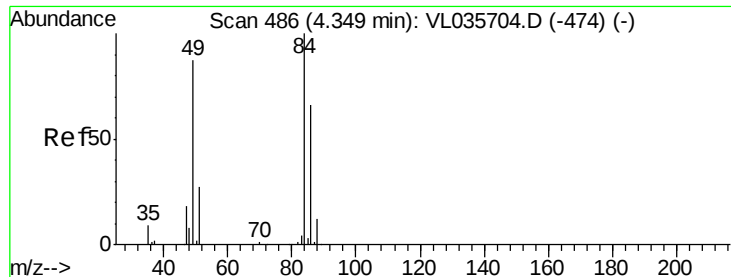
58 90.8 27.3 40.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

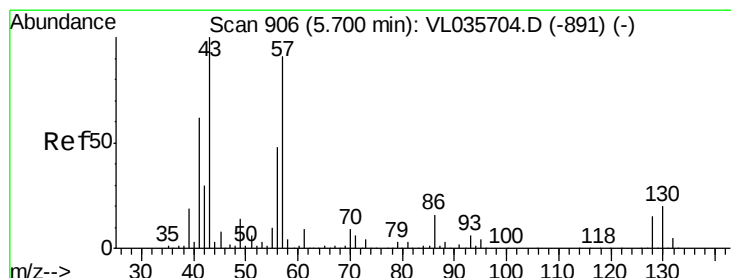
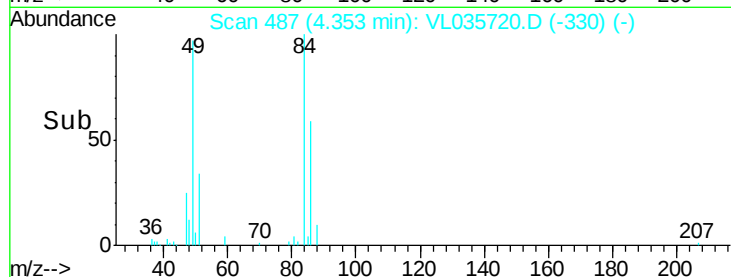
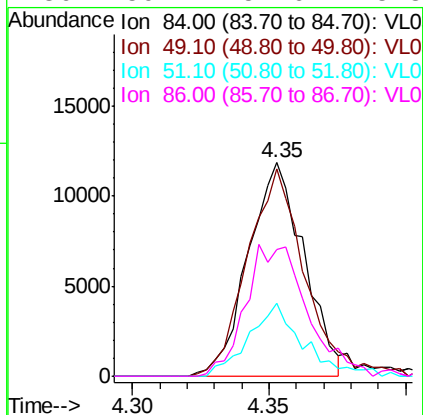
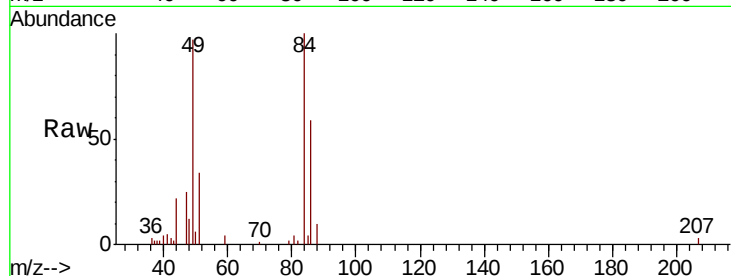




#20
Methvlene Chloride
Concen: 0.173 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.00 min
Lab File: VL035720.D
Acq: 23 Sep 2020 15:46

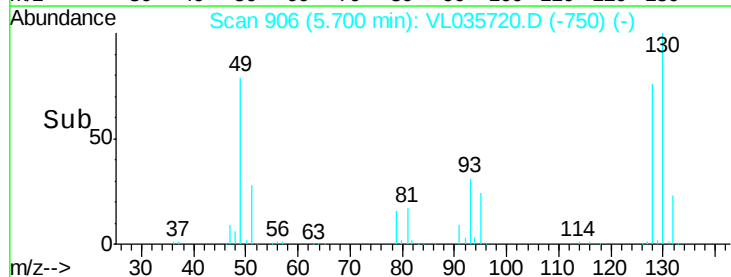
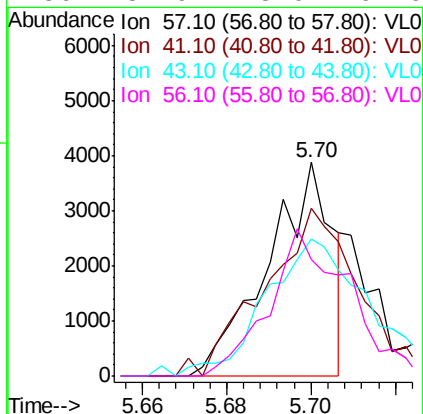
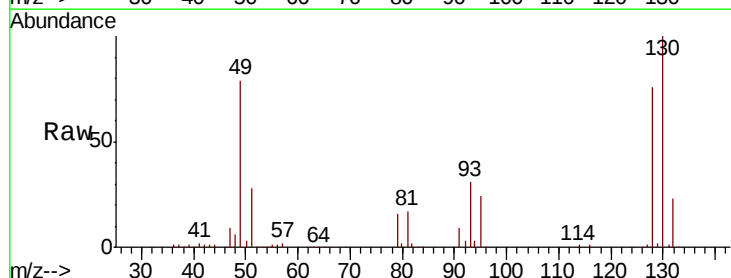
Instrument :
MSVOA_L
ClientSampleId :
QC092220 CAN 10258

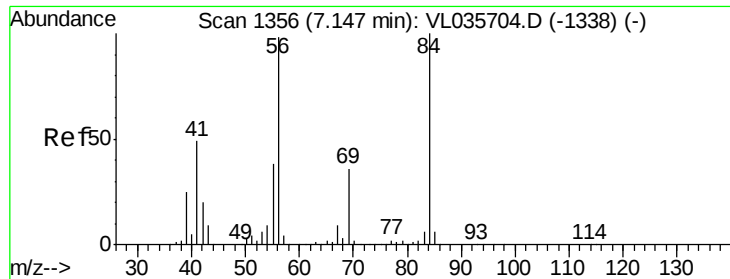
Tot Ion:	84	Resp:	16773
Ion	Ratio	Lower	Upper
84	100		
49	97.2	69.8	104.6
51	34.2	21.8	32.8#
86	59.4	52.6	78.8



#26
Hexane
Concen: 0.032 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL035720.D
Acq: 23 Sep 2020 15:46

Tgt Ion:	57	Resp:	4139
Ion	Ratio	Lower	Upper
57	100		
41	116.3	57.9	86.9#
43	112.1	143.8	215.6#
56	82.9	43.0	64.6#

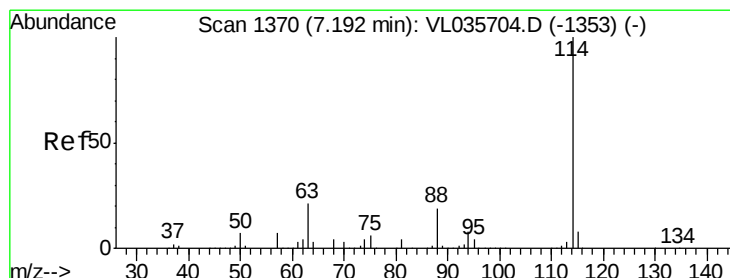
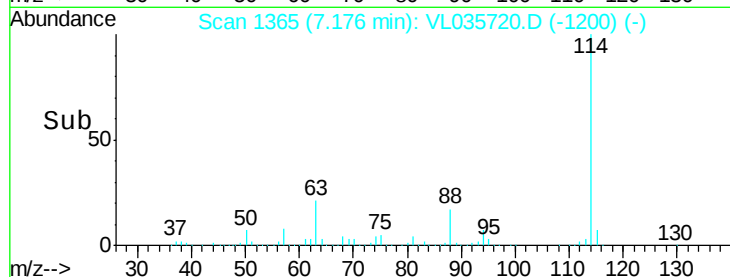
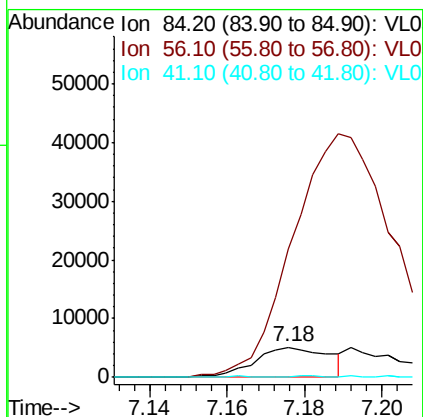
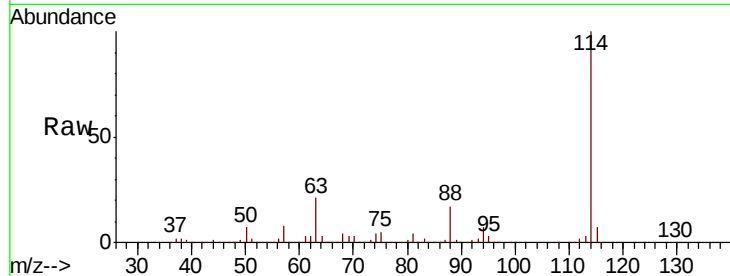




#30
Cvclohexane
Concen: 0.054 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.03 min
Lab File: VL035720.D
Acq: 23 Sep 2020 15:46

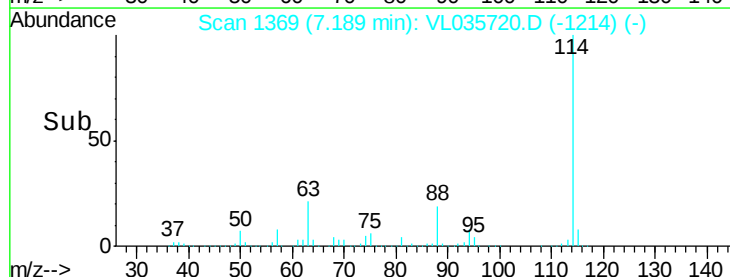
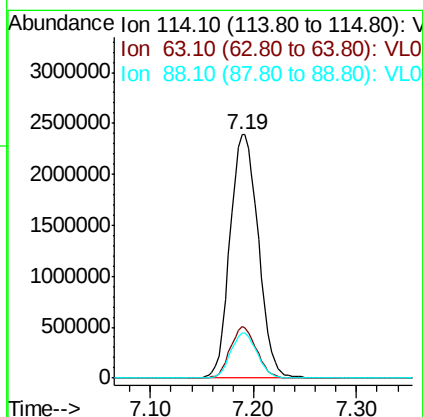
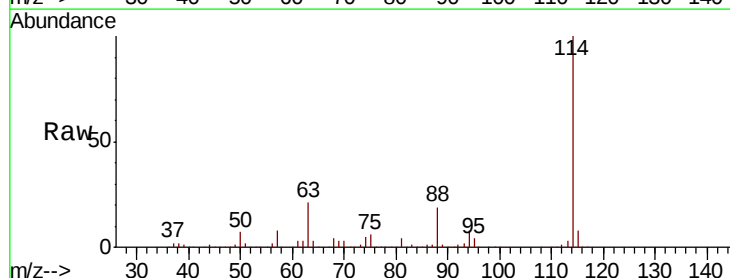
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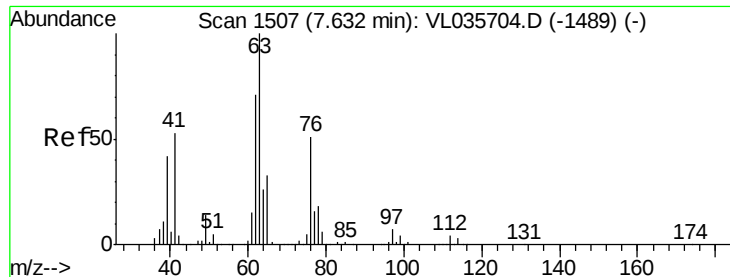
Tot Ion: 84 Resp: 6879
Ion Ratio Lower Upper
84 100
56 0.0 84.6 127.0#
41 0.0 41.1 61.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VL035720.D
Acq: 23 Sep 2020 15:46

Tgt Ion: 114 Resp: 4569929
Ion Ratio Lower Upper
114 100
63 19.8 16.1 24.1
88 17.5 14.1 21.1





#39

1,2-Dichloropropane

Concen: 8.317 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.44 min

Lab File: VL035720.D

Acq: 23 Sep 2020 15:46

Instrument :

MSVOA_L

ClientSampleId :

QC092220 CAN 10258

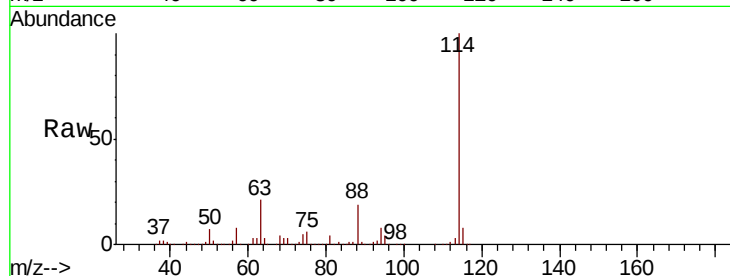
Tot Ion: 63 Resp: 897691

Ion Ratio Lower Upper

63 100

41 0.0 42.6 63.8#

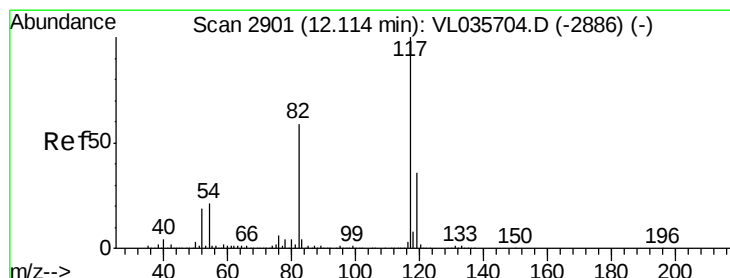
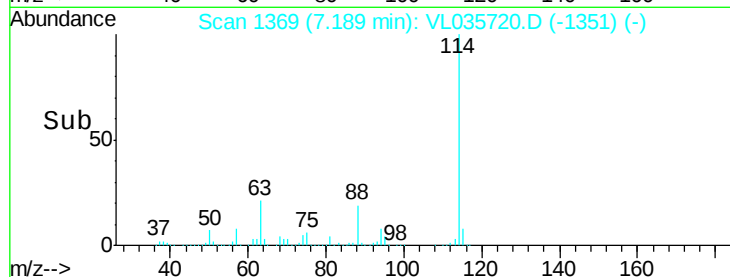
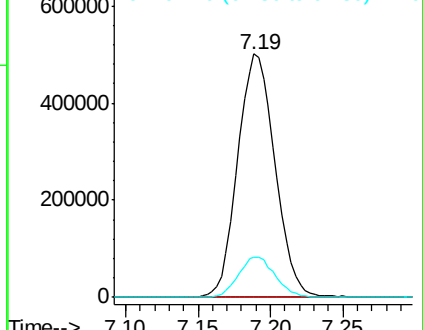
62 16.4 56.5 84.7#



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: VL035720.D

Acq: 23 Sep 2020 15:46

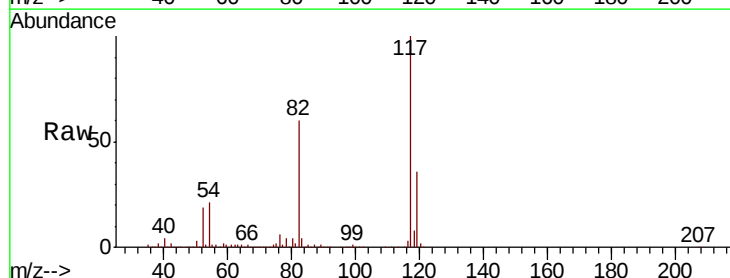
Tgt Ion: 117 Resp: 4522225

Ion Ratio Lower Upper

117 100

82 57.7 46.1 69.1

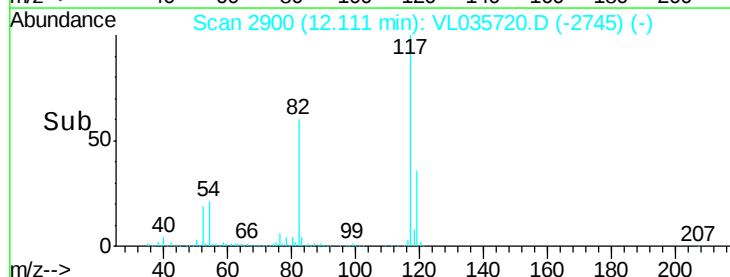
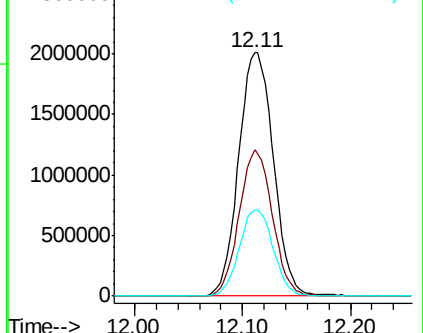
119 34.8 28.0 42.0

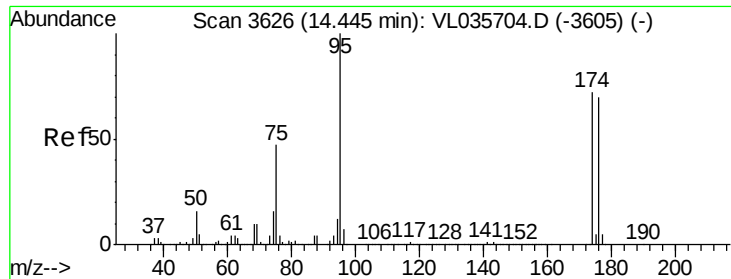


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.912 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. 0.00 min

Lab File: VL035720.D

Acq: 23 Sep 2020 15:46

Instrument :

MSVOA_L

ClientSampleId :

QC092220 CAN 10258

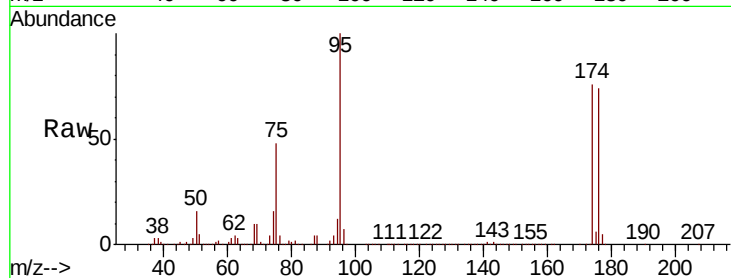
Tot Ion: 95 Resp: 3358977

Ion Ratio Lower Upper

95 100

174 78.2 59.6 89.4

175 5.7 4.2 6.4



Abundance Ion 95.10 (94.80 to 95.80): VL0

2000000 Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

