

Data File : VL035730.D
Acq On : 29 Sep 2020 18:45
Operator : SY/AP
Sample : QC092820 CAN 10492
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC092820 CAN 10492

Quant Time: Sep 30 02:41:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	1121775	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4081468	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4093863	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3060211	9.98	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

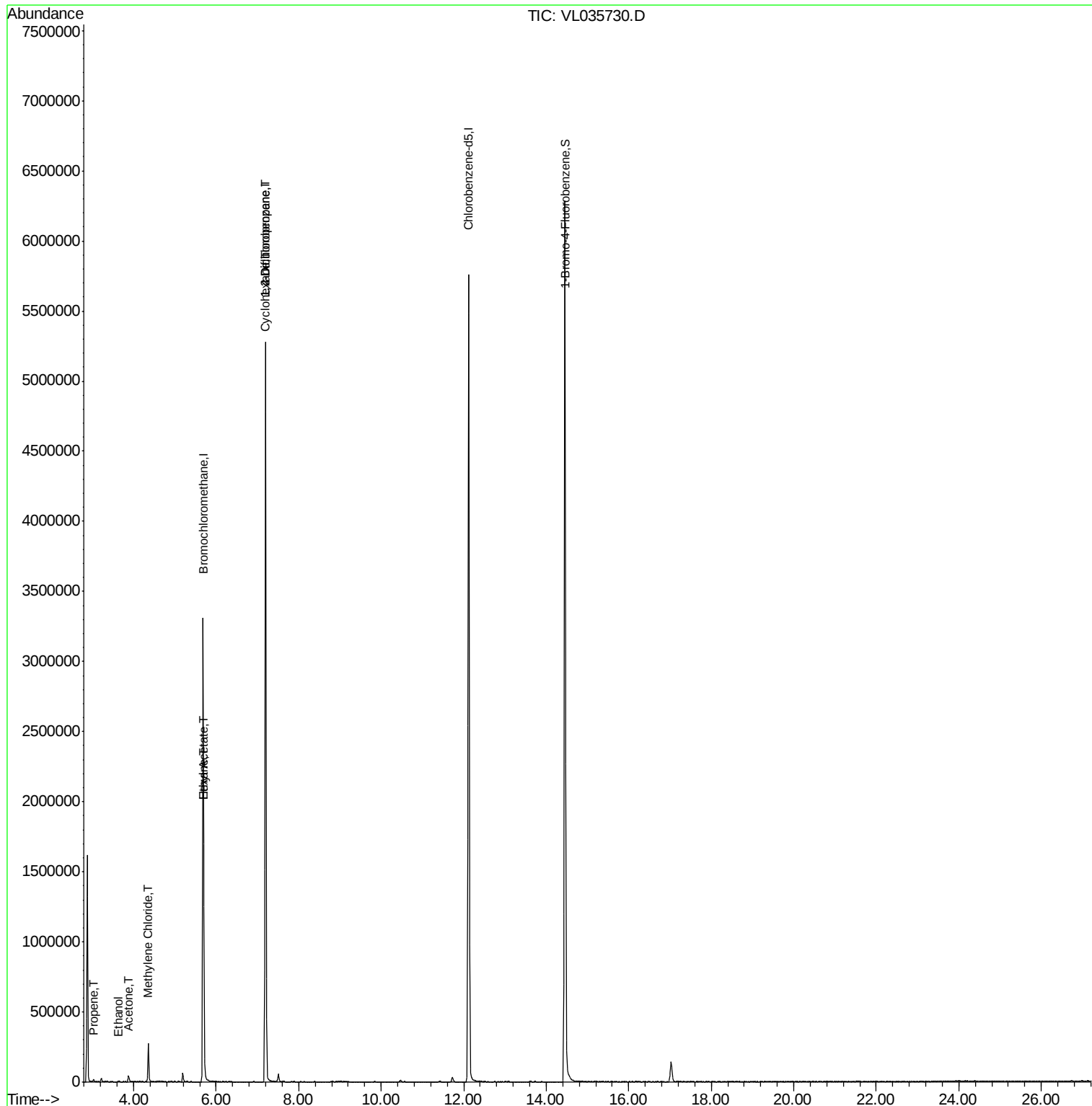
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.02	41	3860	0.088	ppbv	89
13) Ethanol	3.62	45	1246	0.115	ppbv #	38
15) Acetone	3.87	43	34913	0.289	ppbv #	43
20) Methylene Chloride	4.36	84	123347	1.391	ppbv	97
25) Ethyl Acetate	5.71	43	13550	0.062	ppbv #	77
26) Hexane	5.71	57	21447	0.180	ppbv #	44
30) Cyclohexane	7.18	84	10242	0.087	ppbv #	7
39) 1,2-Dichloropropane	7.20	63	808753	8.390	ppbv #	30

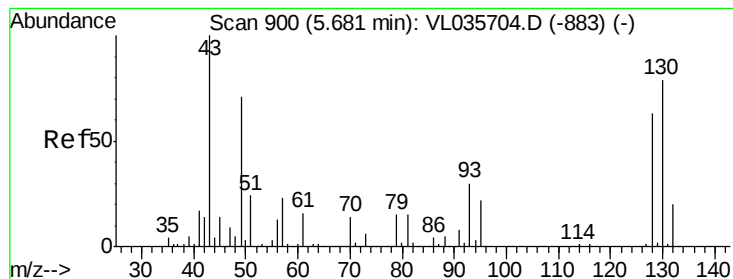
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL035730.D

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Instrument :

MSVOA_L

ClientSampleId :

QC092820 CAN 10492

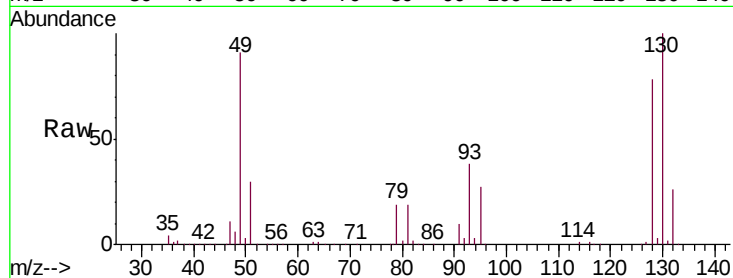
Tgt Ion: 49 Resp: 1121775

Ion Ratio Lower Upper

49 100

128 84.0 43.1 129.4

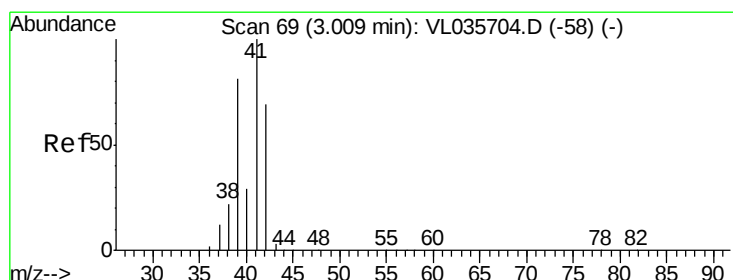
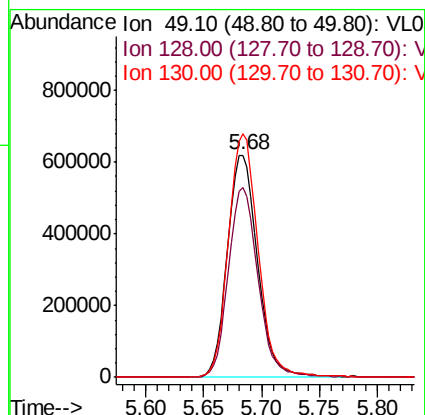
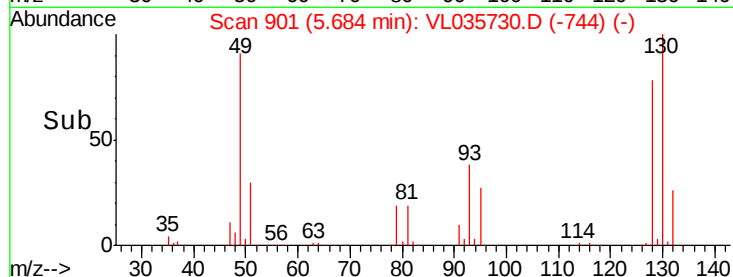
130 107.7 54.9 164.7



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



#9

Propene

Concen: 0.088 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL035730.D

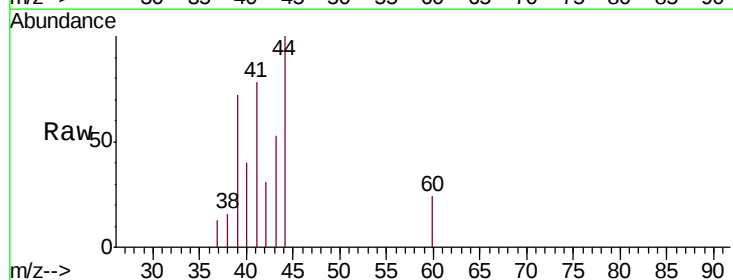
Acq: 29 Sep 2020 18:45

Tgt Ion: 41 Resp: 3860

Ion Ratio Lower Upper

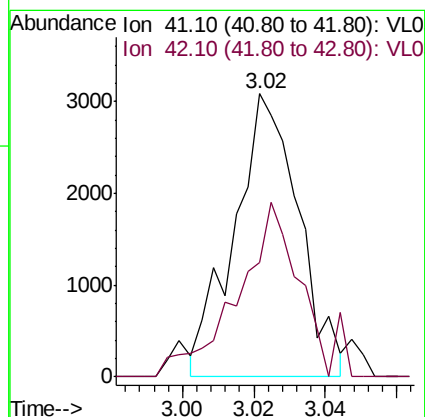
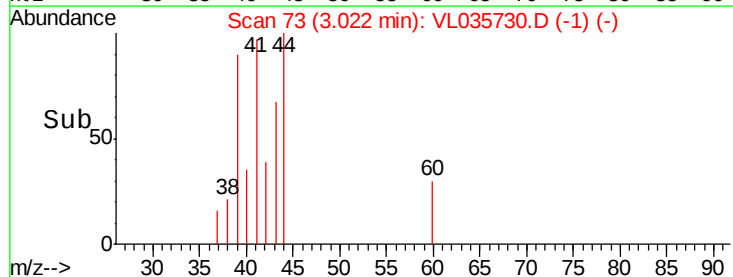
41 100

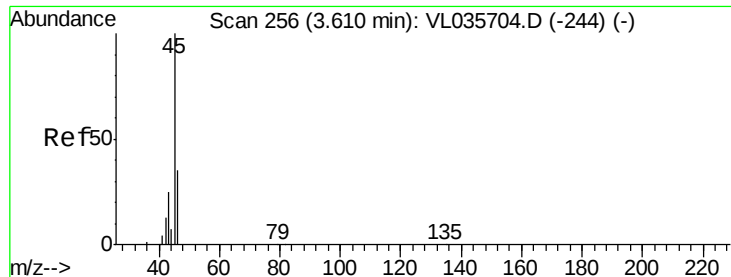
42 61.0 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.115 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL035730.D

Acq: 29 Sep 2020 18:45

Instrument :

MSVOA_L

ClientSampleId :

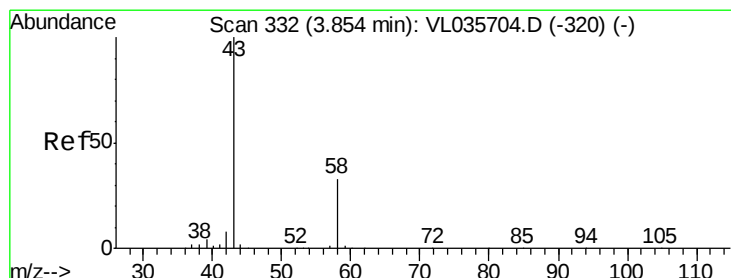
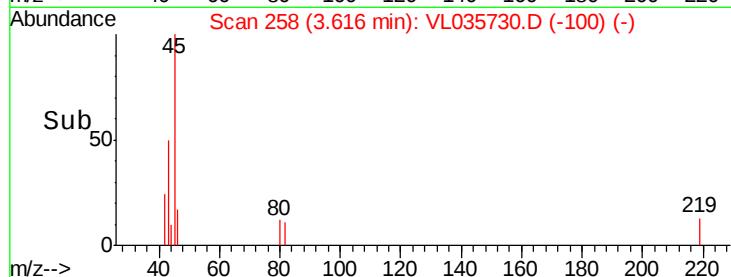
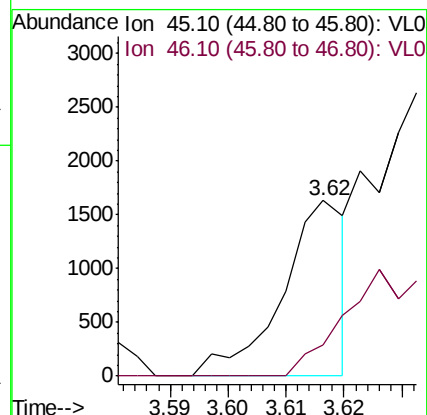
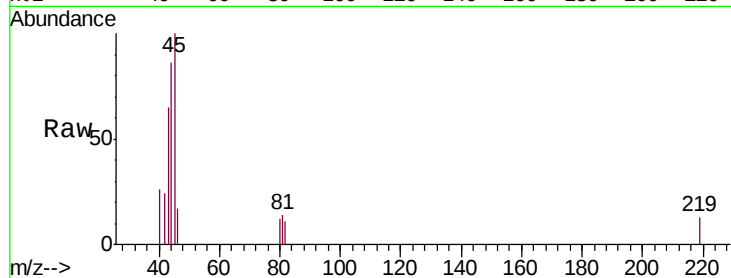
QC092820 CAN 10492

Tgt Ion: 45 Resp: 1246

Ion Ratio Lower Upper

45 100

46 0.0 14.7 58.7#



#15

Acetone

Concen: 0.289 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL035730.D

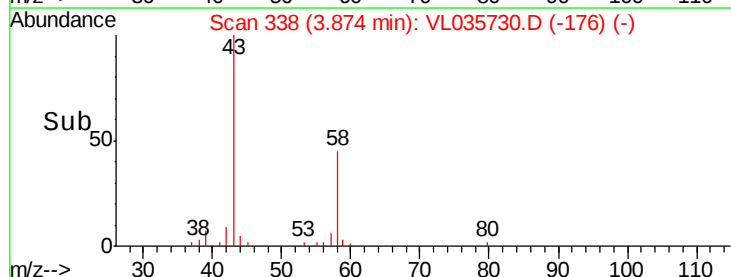
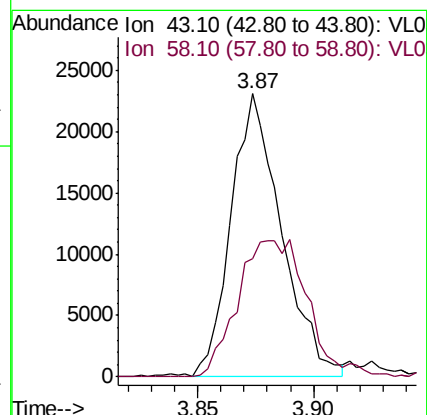
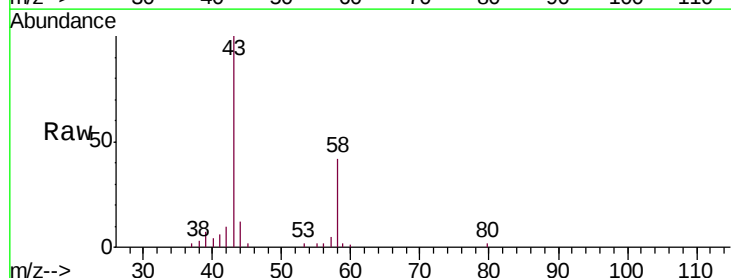
Acq: 29 Sep 2020 18:45

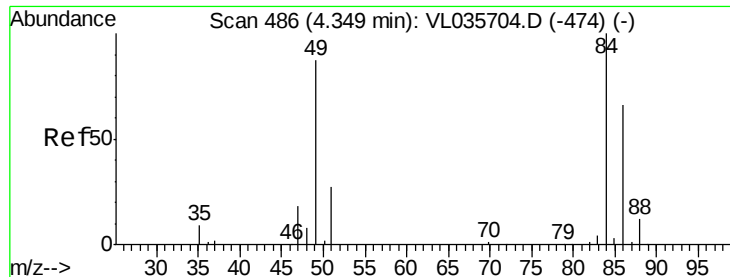
Tgt Ion: 43 Resp: 34913

Ion Ratio Lower Upper

43 100

58 66.7 27.3 40.9#

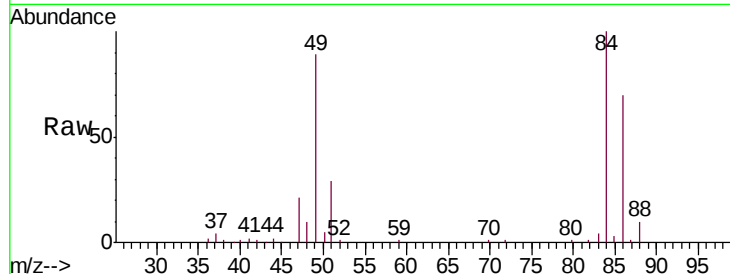




#20
Methylene Chloride
Concen: 1.391 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.01 min
Lab File: VL035730.D
Acq: 29 Sep 2020 18:45

Instrument :
MSVOA_L
ClientSampleId :
QC092820 CAN 10492

Tgt Ion:	84	Resp:	123347
Ion	Ratio	Lower	Upper
84	100		
49	89.4	69.8	104.6
51	28.9	21.8	32.8
86	69.6	52.6	78.8



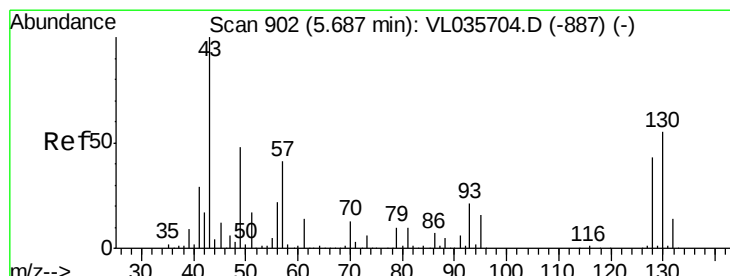
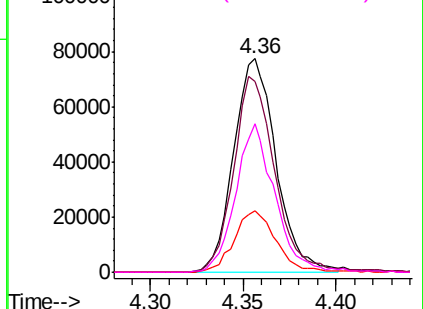
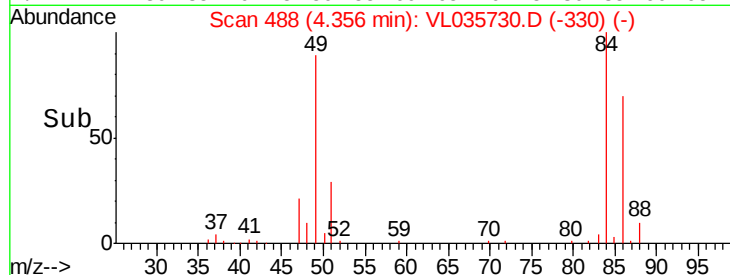
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

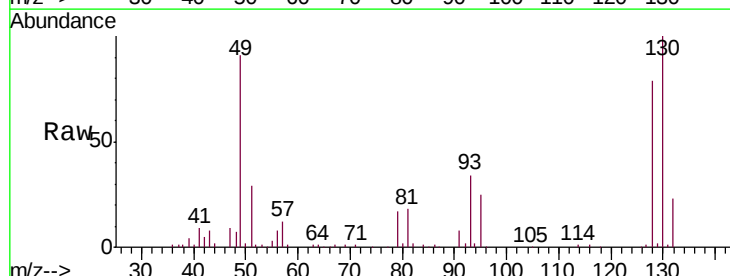
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#25
Ethyl Acetate
Concen: 0.062 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.02 min
Lab File: VL035730.D
Acq: 29 Sep 2020 18:45

Tgt Ion:	43	Resp:	13550
Ion	Ratio	Lower	Upper
43	100		
45	2.4	8.6	12.8#
61	3.1	10.4	15.6#
70	2.3	8.9	13.3#



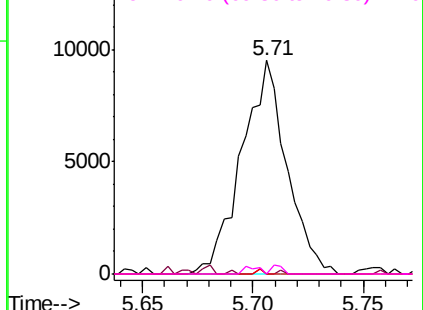
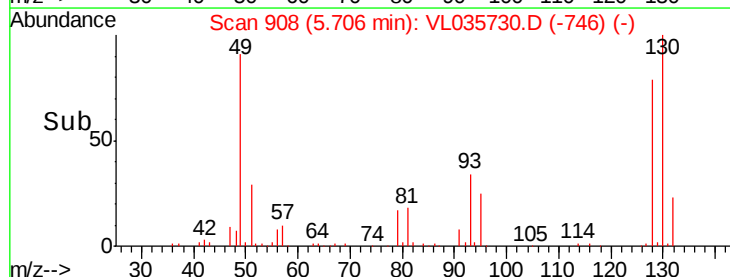
Abundance

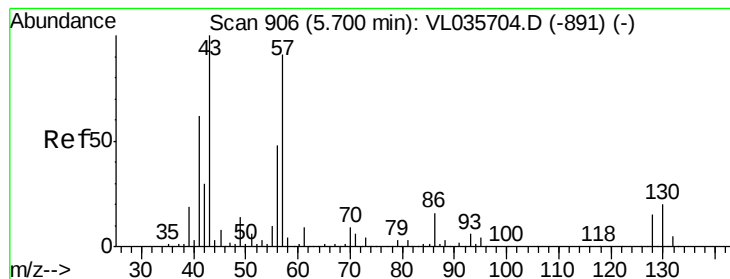
Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 0.180 ppbv

RT: 5.71 min Scan# 908

Delta R.T. 0.01 min

Lab File: VL035730.D

Acq: 29 Sep 2020 18:45

Instrument :

MSVOA_L

ClientSampleId :

QC092820 CAN 10492

Tgt Ion: 57 Resp: 21447

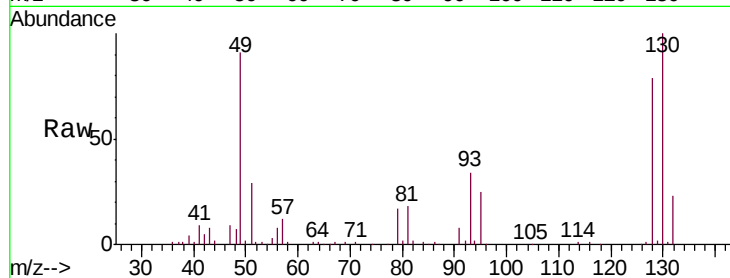
Ion Ratio Lower Upper

57 100

41 91.0 57.9 86.9#

43 64.3 143.8 215.6#

56 66.7 43.0 64.6#

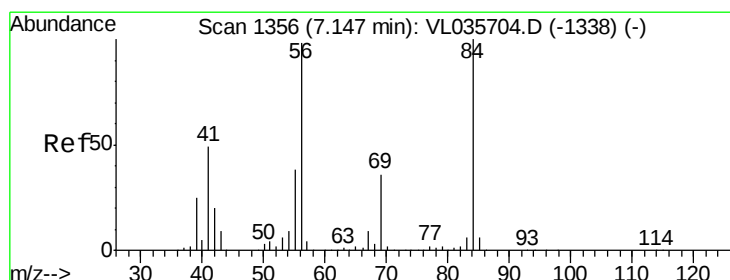
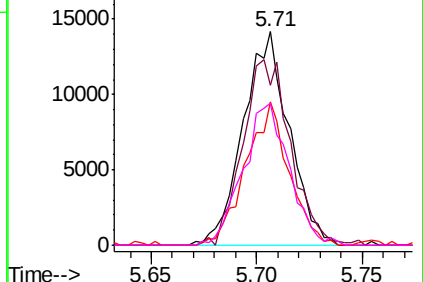
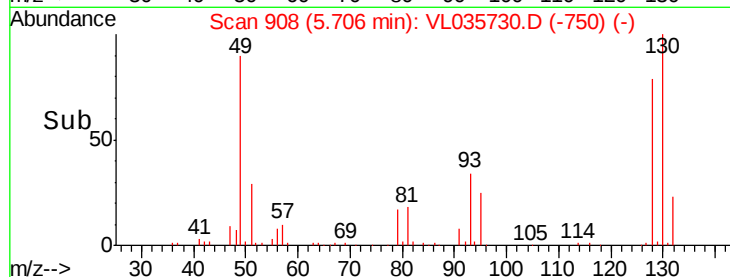


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#30

Cyclohexane

Concen: 0.087 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.04 min

Lab File: VL035730.D

Acq: 29 Sep 2020 18:45

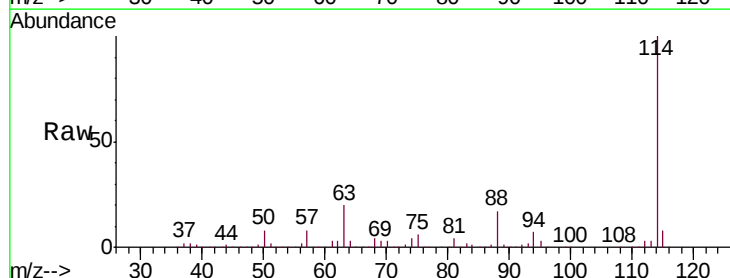
Tgt Ion: 84 Resp: 10242

Ion Ratio Lower Upper

84 100

56 0.0 84.6 127.0#

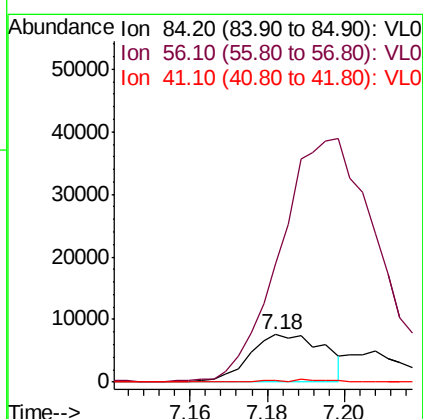
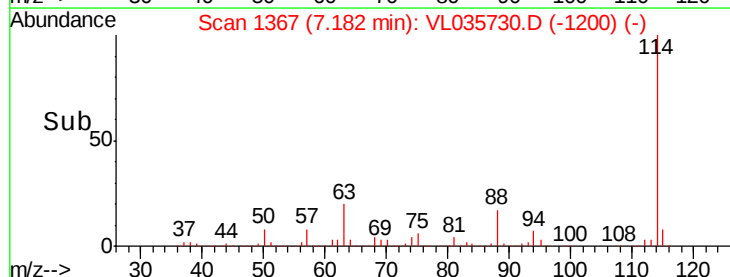
41 0.0 41.1 61.7#

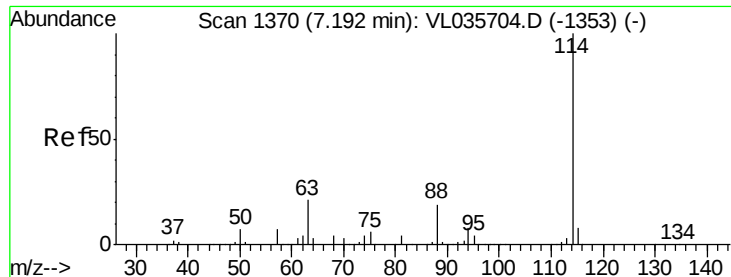


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

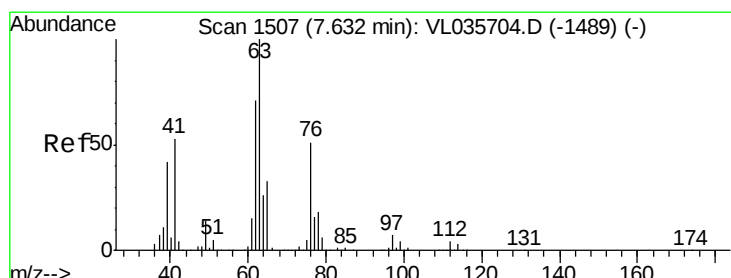
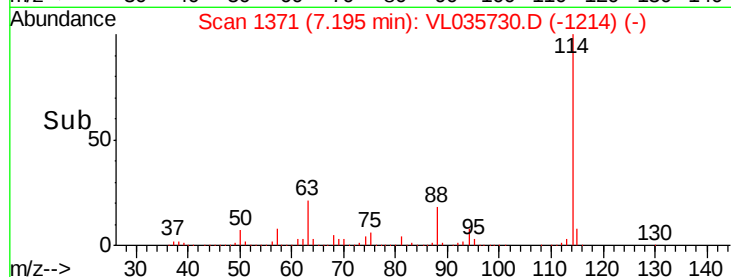
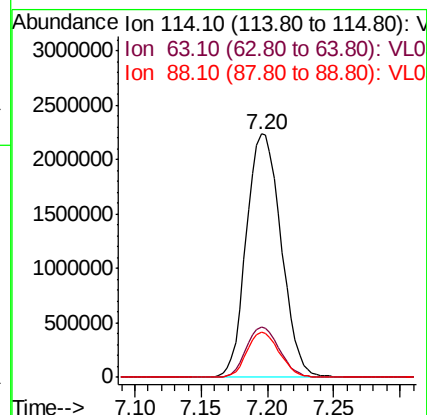
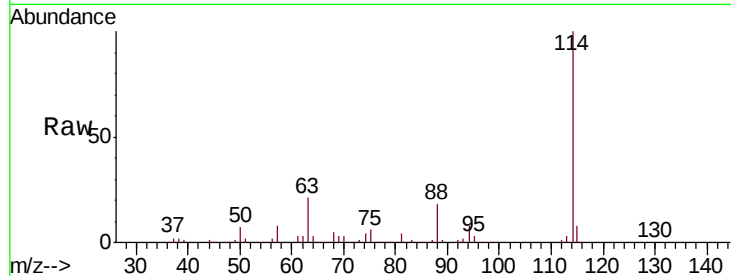




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.00 min
 Lab File: VL035730.D
 Acq: 29 Sep 2020 18:45

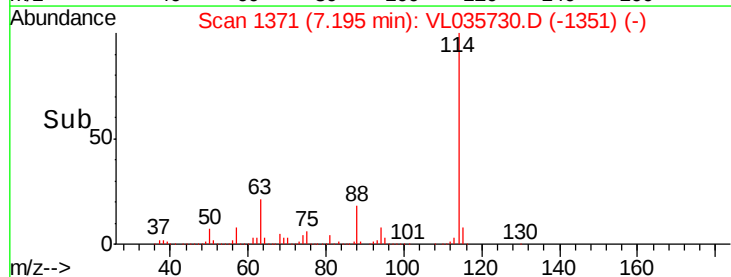
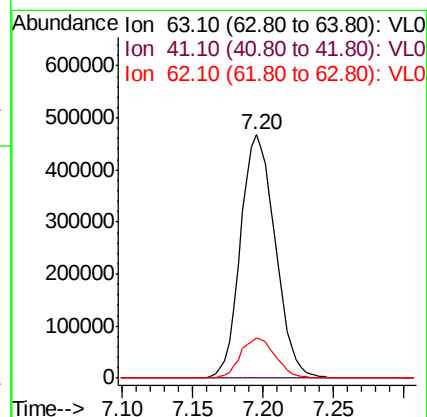
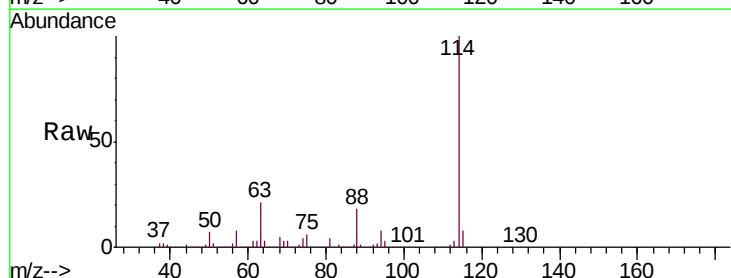
Instrument :
 MSVOA_L
 ClientSampleId :
 QC092820 CAN 10492

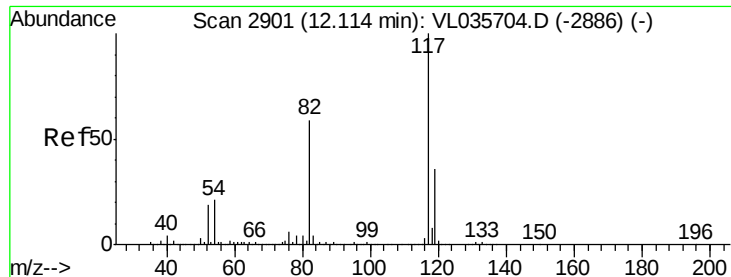
Tgt Ion:114 Resp: 4081468
 Ion Ratio Lower Upper
 114 100
 63 19.9 16.1 24.1
 88 17.5 14.1 21.1



#39
 1,2-Dichloropropane
 Concen: 8.390 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. -0.44 min
 Lab File: VL035730.D
 Acq: 29 Sep 2020 18:45

Tgt Ion: 63 Resp: 808753
 Ion Ratio Lower Upper
 63 100
 41 0.1 42.6 63.8#
 62 16.4 56.5 84.7#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. 0.00 min

Lab File: VL035730.D

Acq: 29 Sep 2020 18:45

Instrument :

MSVOA_L

ClientSampleId :

QC092820 CAN 10492

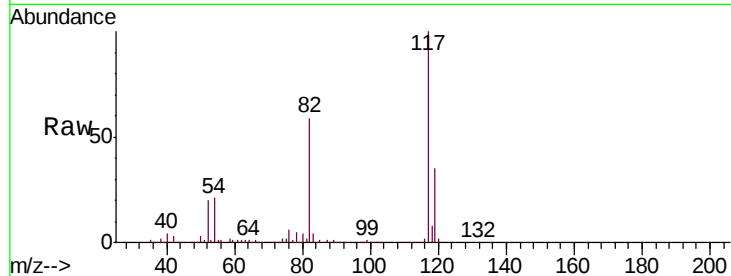
Tgt Ion:117 Resp: 4093863

Ion Ratio Lower Upper

117 100

82 58.1 46.1 69.1

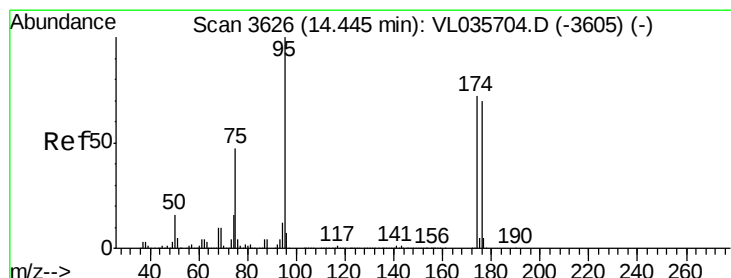
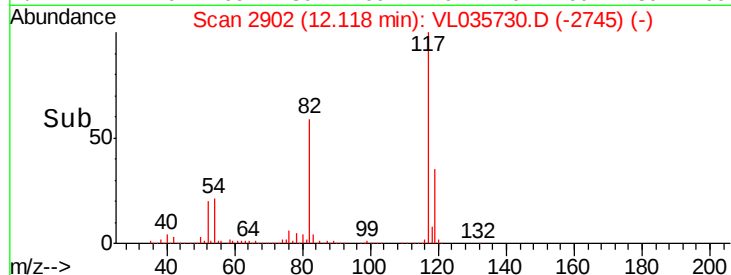
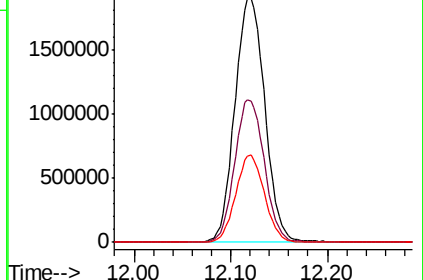
119 34.3 28.0 42.0



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: 9.976 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. 0.01 min

Lab File: VL035730.D

Acq: 29 Sep 2020 18:45

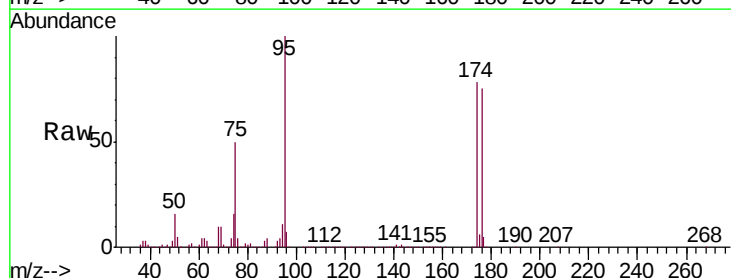
Tgt Ion: 95 Resp: 3060211

Ion Ratio Lower Upper

95 100

174 78.3 59.6 89.4

175 5.6 4.2 6.4



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

