

Data File : VL035733.D
Acq On : 29 Sep 2020 20:47
Operator : SY/AP
Sample : CAN 10280
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CAN 10280

Quant Time: Sep 30 02:42:30 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	1074412	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	3987219	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3939281	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2996440	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

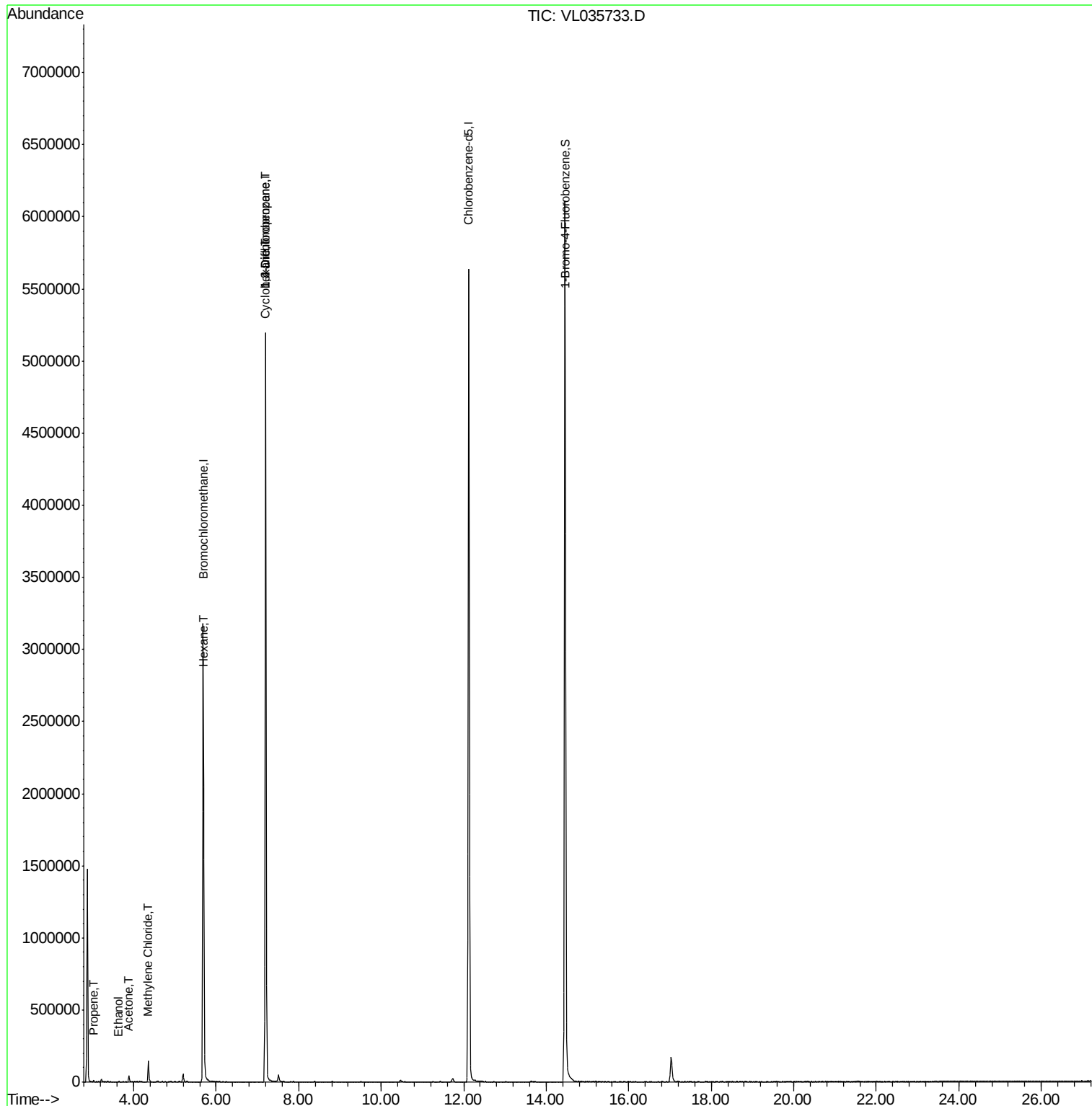
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.03	41	3343	0.080	ppbv	88
13) Ethanol	3.63	45	1496	0.145	ppbv #	60
15) Acetone	3.88	43	29419	0.254	ppbv #	25
20) Methylene Chloride	4.36	84	58990	0.695	ppbv	94
26) Hexane	5.70	57	5302	0.047	ppbv #	1
30) Cyclohexane	7.19	84	7653	0.068	ppbv #	9
39) 1,2-Dichloropropane	7.20	63	788946	8.378	ppbv #	31

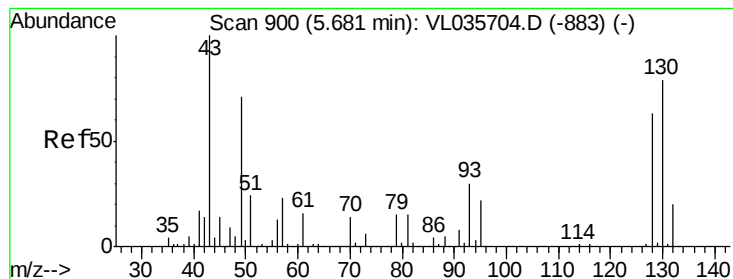
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

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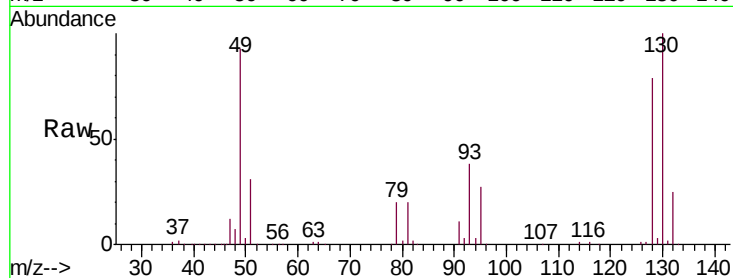
Tgt Ion: 49 Resp: 1074412

Ion Ratio Lower Upper

49 100

128 86.1 43.1 129.4

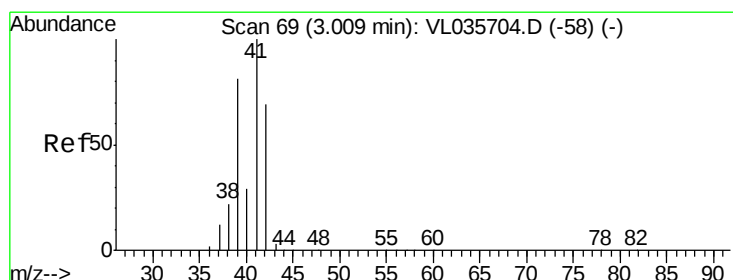
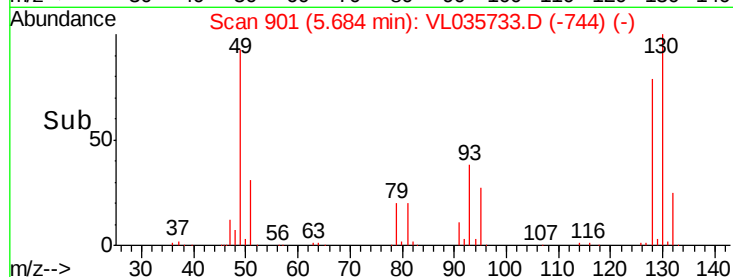
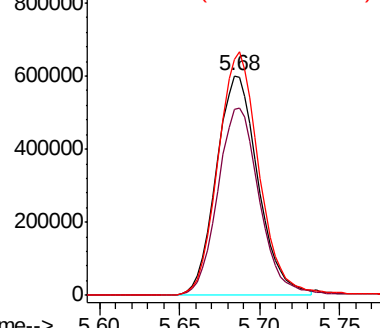
130 110.0 54.9 164.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.080 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.02 min

Lab File: VL035733.D

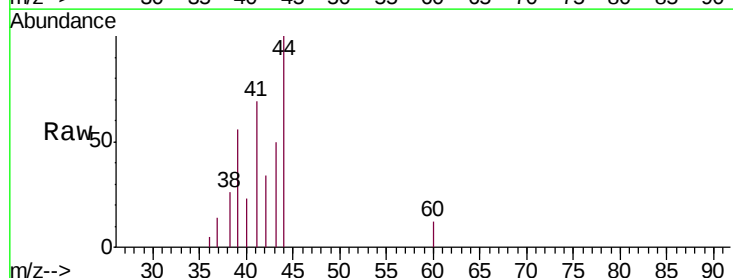
Acq: 29 Sep 2020 20:47

Tgt Ion: 41 Resp: 3343

Ion Ratio Lower Upper

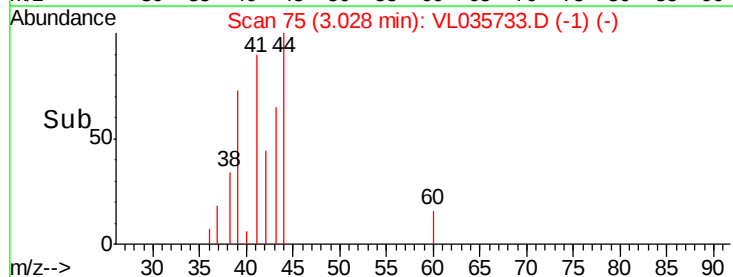
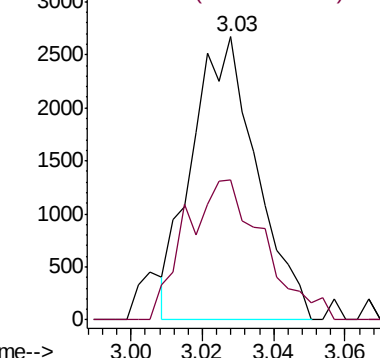
41 100

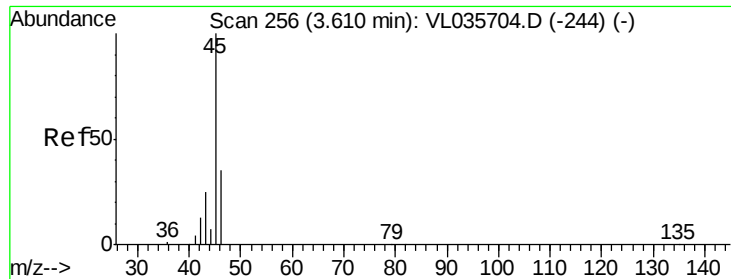
42 60.2 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.145 ppbv

RT: 3.63 min Scan# 262

Delta R.T. 0.02 min

Lab File: VL035733.D

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Instrument :

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ClientSampleId :

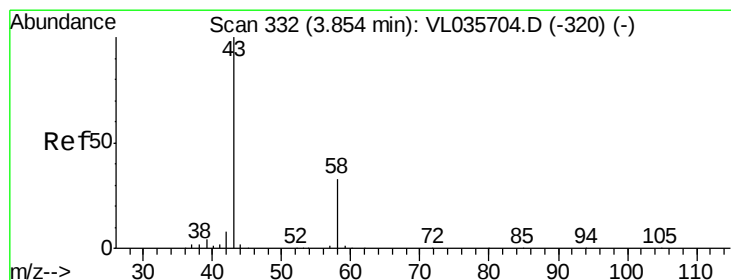
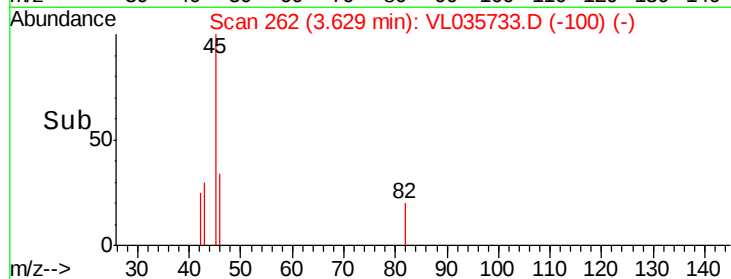
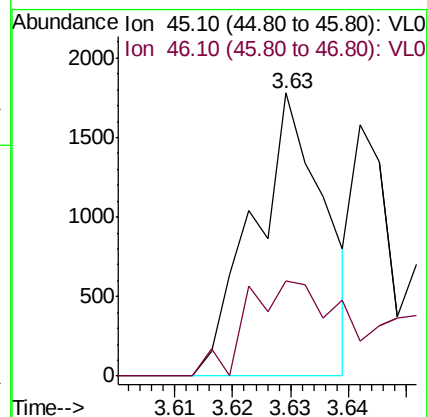
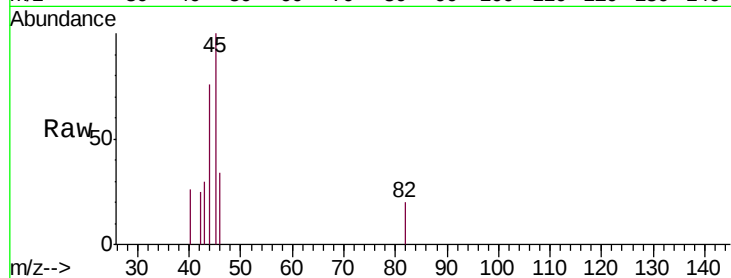
CAN 10280

Tgt Ion: 45 Resp: 1496

Ion Ratio Lower Upper

45 100

46 60.4 14.7 58.7#



#15

Acetone

Concen: 0.254 ppbv

RT: 3.88 min Scan# 341

Delta R.T. 0.03 min

Lab File: VL035733.D

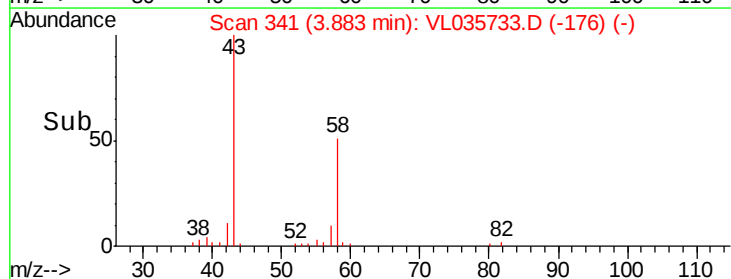
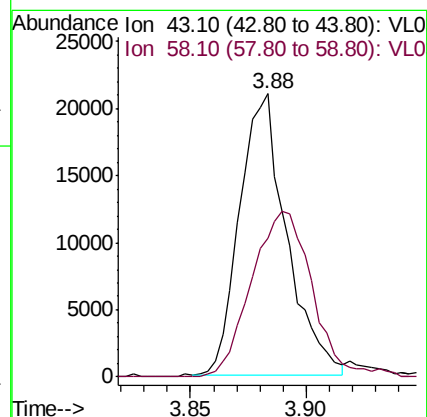
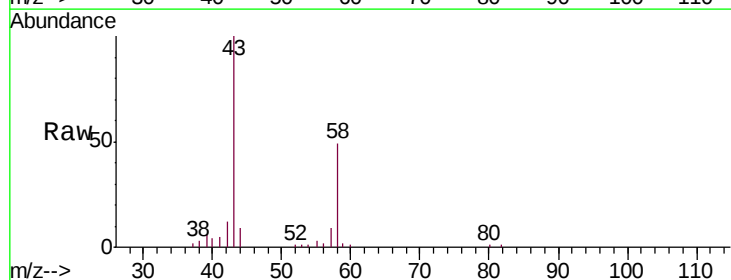
Acq: 29 Sep 2020 20:47

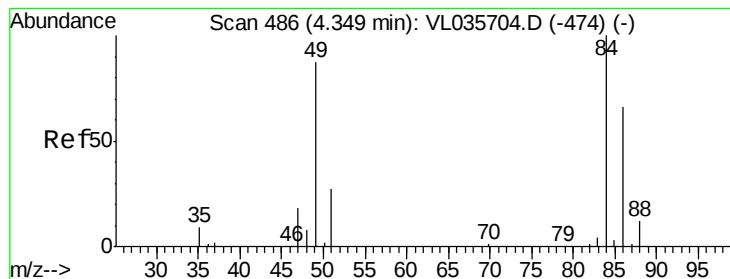
Tgt Ion: 43 Resp: 29419

Ion Ratio Lower Upper

43 100

58 77.1 27.3 40.9#





#20

Methylene Chloride

Concen: 0.695 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.01 min

Lab File: VL035733.D

Acq: 29 Sep 2020 20:47

Instrument :

MSVOA_L

ClientSampleId :

CAN 10280

Tgt Ion: 84 Resp: 58990

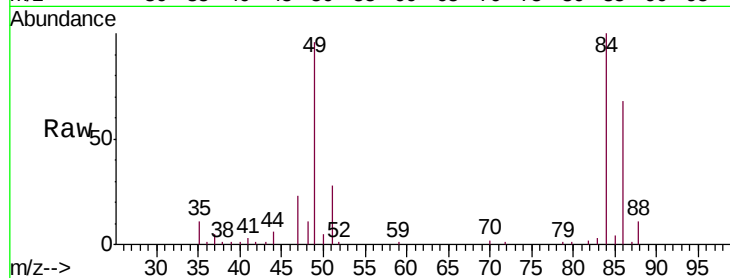
Ion Ratio Lower Upper

84 100

49 96.4 69.8 104.6

51 28.4 21.8 32.8

86 68.0 52.6 78.8

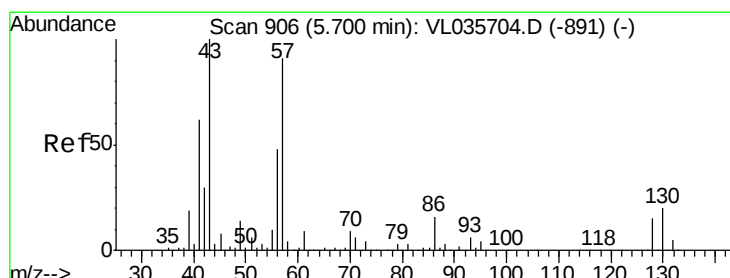
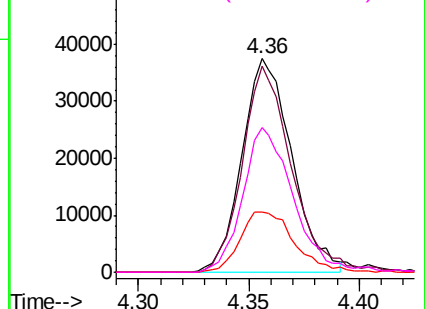
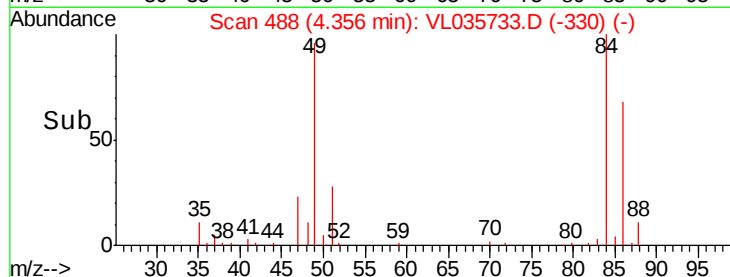


Abundance Ion 84.00 (83.70 to 84.70): VL0

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



#26

Hexane

Concen: 0.047 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.00 min

Lab File: VL035733.D

Acq: 29 Sep 2020 20:47

Tgt Ion: 57 Resp: 5302

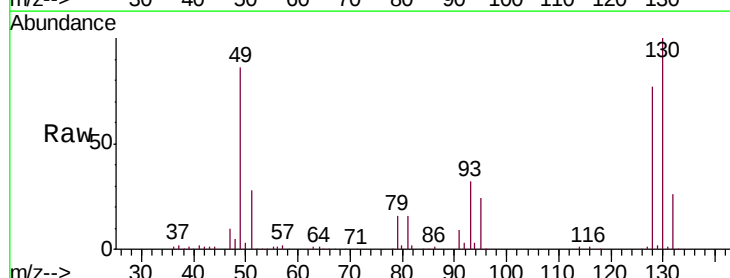
Ion Ratio Lower Upper

57 100

41 0.0 57.9 86.9#

43 0.0 143.8 215.6#

56 0.0 43.0 64.6#

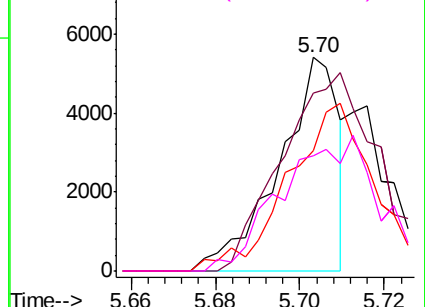
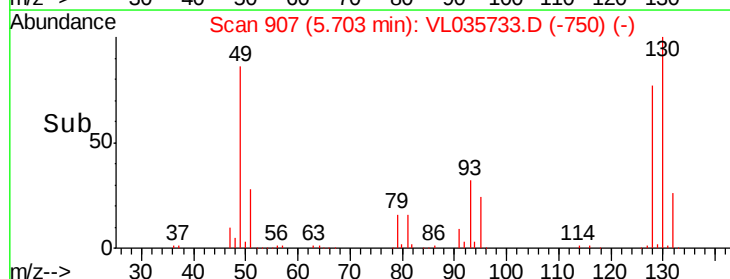


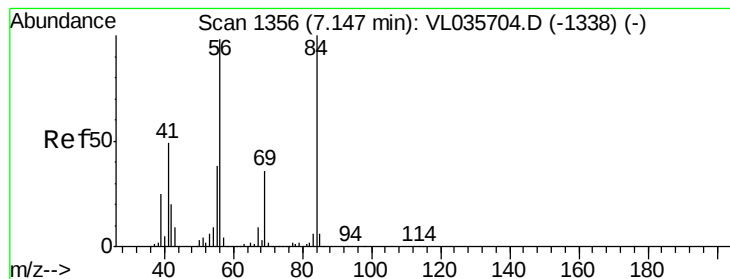
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.068 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.04 min

Lab File: VL035733.D

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CAN 10280

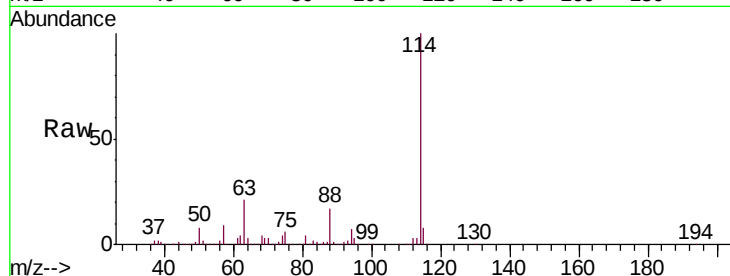
Tgt Ion: 84 Resp: 7653

Ion Ratio Lower Upper

84 100

56 0.0 84.6 127.0#

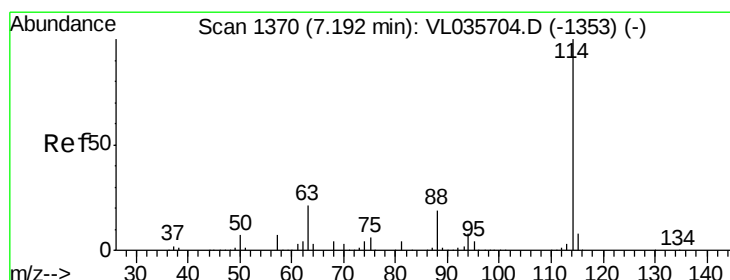
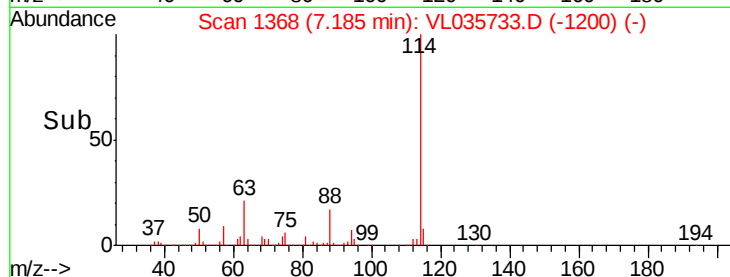
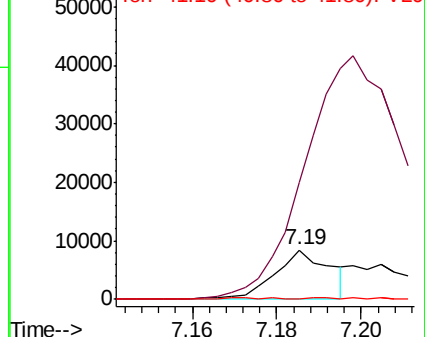
41 4.7 41.1 61.7#



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# 1372

Delta R.T. 0.01 min

Lab File: VL035733.D

Acq: 29 Sep 2020 20:47

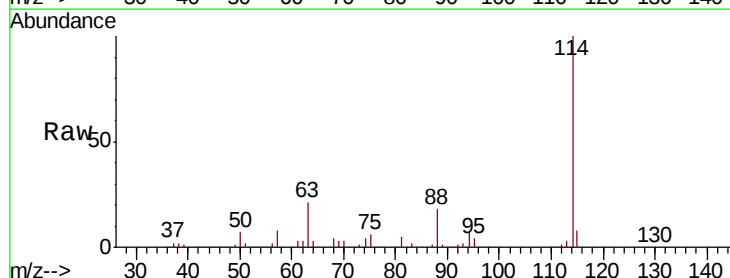
Tgt Ion: 114 Resp: 3987219

Ion Ratio Lower Upper

114 100

63 19.8 16.1 24.1

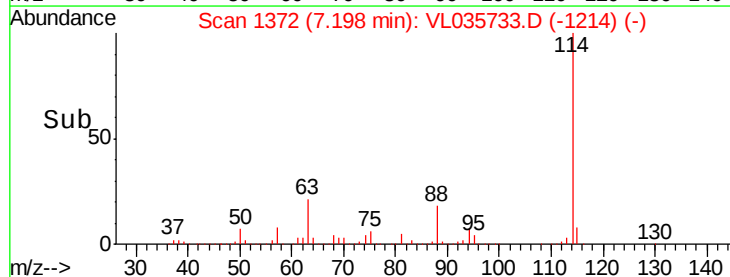
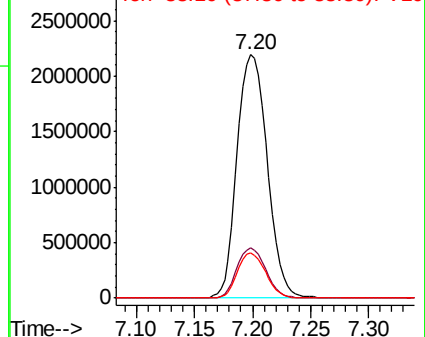
88 17.3 14.1 21.1

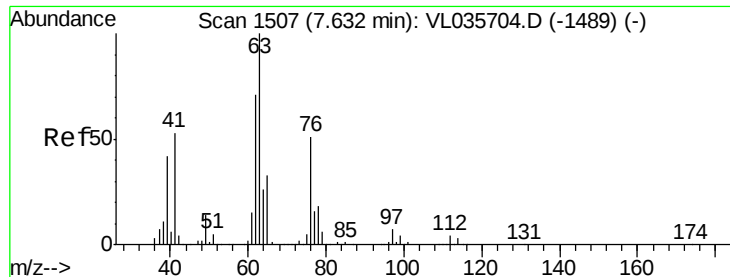


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 8.378 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. -0.43 min

Lab File: VL035733.D

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Instrument :

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ClientSampleId :

CAN 10280

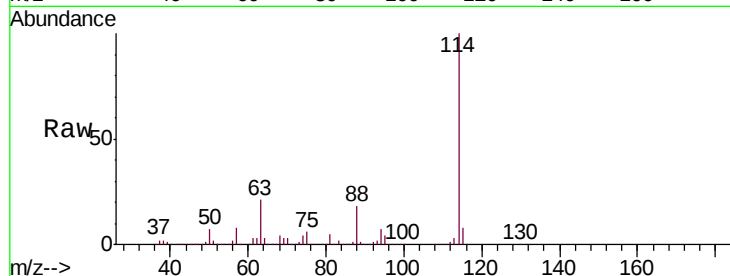
Tgt Ion: 63 Resp: 788946

Ion Ratio Lower Upper

63 100

41 0.0 42.6 63.8#

62 16.6 56.5 84.7#

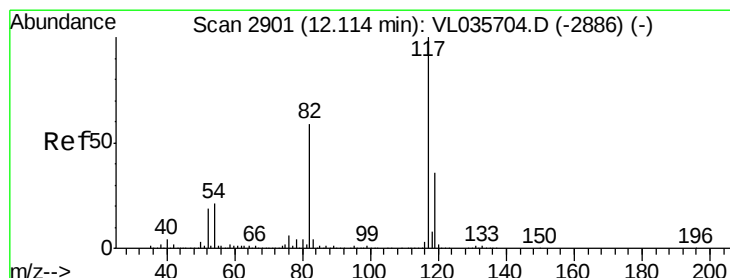
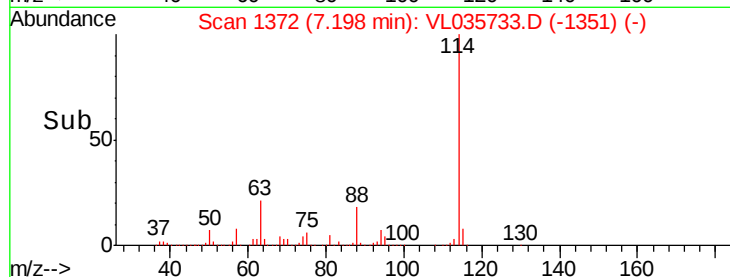
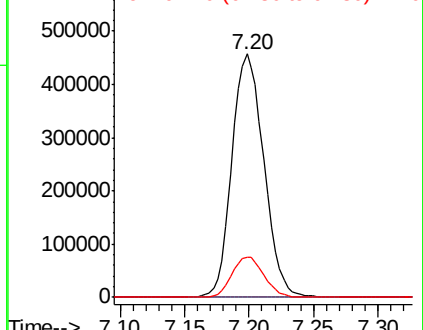


Abundance

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: 12.12 min Scan# 2904

Delta R.T. 0.01 min

Lab File: VL035733.D

Acq: 29 Sep 2020 20:47

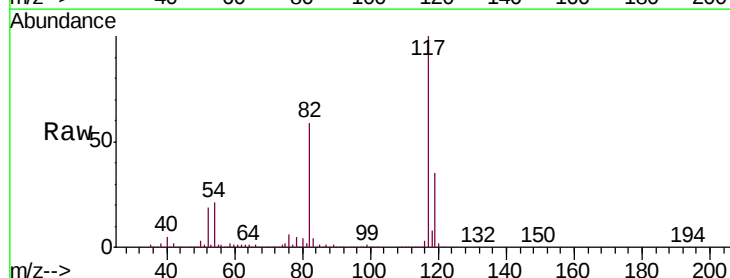
Tgt Ion: 117 Resp: 3939281

Ion Ratio Lower Upper

117 100

82 58.9 46.1 69.1

119 34.4 28.0 42.0

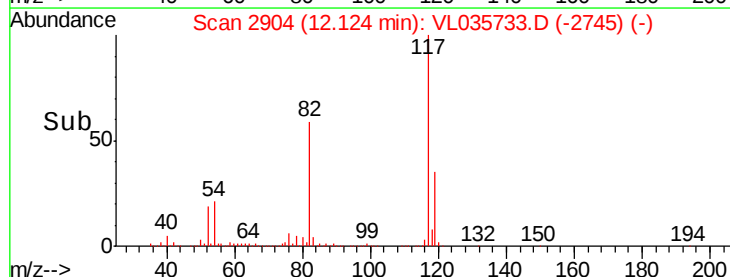
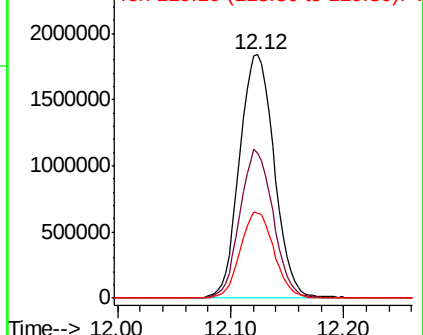


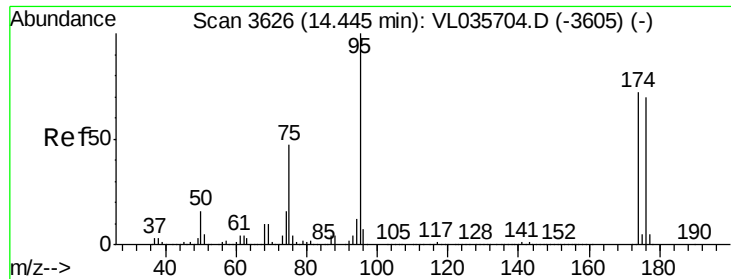
Abundance

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: 10.151 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. 0.01 min
 Lab File: VL035733.D
 Acq: 29 Sep 2020 20:47

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Tgt Ion: 95 Resp: 2996440
 Ion Ratio Lower Upper
 95 100
 174 77.4 59.6 89.4
 175 5.5 4.2 6.4

